

IN THIS ISSUE:
ANNUAL INDEX TO NUMBERED SERIALS

Monthly Index *of* Russian Accessions



Volume 16, No. 1

April 1963

THE LIBRARY OF CONGRESS
WASHINGTON : 1963

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1945 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1947. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Electric action of the brain in glaucoma. L.S.Levina, G.M.Neishtadt. Vestnik, 30 no.5: 8-12 S-O '51.

Explanation: An article with title given above in English translation, written by L. S. Levina and G. M. Neishtadt, will be found in the September-October 1951 issue of *Vestnik oftalmologii*, vol. 30, no. 5, pages 8-12.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves () around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington 25, D. C.

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

Price of single copies varies; subscription price, \$12.00 a year domestic, \$16.00 a year foreign. Price of Cumulative Index to Volumes 1-3, \$1.50; to Volume 4, \$0.60.

L. C. card, 48-46562

*Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.	CaSSU	University of Saskatchewan, Saskatoon, Canada
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.	CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
AU	University of Alabama, University	CoD	Denver Public Library
AzU	University of Arizona, Tucson	CoDM	Medical Society of the City and County of Denver
C	California State Library, Sacramento	CoFS	Colorado State University, Fort Collins
CCC	Honnold Library, Claremont, Calif.	CoU	University of Colorado, Boulder
CFS	Fresno State College, Fresno, Calif.	CiHT	Trinity College, Hartford, Conn.
CL	Los Angeles Public Library	CiU	University of Connecticut, Storrs
CLCM	Los Angeles County Museum Library, Los Angeles	CiW	Wesleyan University, Middletown, Conn.
CLL	Los Angeles County Law Library, Los Angeles	CtY	Yale University, New Haven
CLM	Los Angeles County Medical Association, Los Angeles	CtY-L	— Law Library
CLSU	University of Southern California, Los Angeles	CtY-M	— Medical School Library
CLU	University of California at Los Angeles	DAIA	American Institute of Architects Library, Washington, D. C.
CMthL	University of California, Lick Observatory, Mount Hamilton	DAL	U. S. Army Library, Pentagon Building
CPT	California Institute of Technology, Pasadena	DBC	U. S. Bureau of the Census Library
CSF	San Francisco Public Library	DBS	U. S. National Bureau of Standards Library
CSFA	California Academy of Sciences, San Francisco	DC	U. S. Department of Commerce Library
CSFU	University of San Francisco, San Francisco	DCU	Catholic University of America Library, Washington, D. C.
CSmH	Henry E. Huntington Library, San Marino, Calif.	DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
CSt	Stanford College Libraries, Stanford, Calif.	DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
CSt-H	— The Hoover Institution on War, Revolution, and Peace	DFR	Board of Governors of the Federal Reserve System
CSt-L	— Lane Medical Library	DI	U. S. Department of the Interior Library
CSbs	University of California, Santa Barbara Library, Goleta	DI-GS	— Geological Survey Library
CStmoR	Rand Corporation, Santa Monica, Calif.	DM	U. S. Bureau of Mines Library. (Library integrated with DI)
CU	University of California, Berkeley	DN	U. S. Department of the Navy Library
CU-A	— University of California, Davis	DN-HO	— Naval Oceanographic Office Library
CU-B	— Bancroft Library, Berkeley	DN-Ob	— Naval Observatory Library
CU-E	— East Asiatic Library, Berkeley	DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
CU-M	— Medical Center, San Francisco	DNAL	National Agricultural Library
CU-Riv	— College of Arts, Letters and Science, Riverside	DNH	National Institutes of Health Library, Bethesda, Md.
CU-S	— Scripps Institution of Oceanography, La Jolla	DNLM	U. S. National Library of Medicine
CaAEU	University of Alberta, Edmonton, Canada	DNW	U. S. National War College Library, Fort McNair
CaBva	Vancouver Public Library, Vancouver, Canada	DP	U. S. Patent Office Library
CaBVaU	University of British Columbia, Vancouver, Canada	DS	U. S. Department of State Library
CaBViPA	Provincial Archives, Victoria, Canada	DSC	Scottish Rite Supreme Council Library
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada	DSI	Smithsonian Institution Library, Washington, D. C.
CaOKQ	Queen's University, Kingston, Canada	DSI-AO	— Astrophysical Laboratory Library
CaOL	London Public Library, London, Canada	DSI-E	— Bureau of American Ethnology Library
CaOOA	Public Archives Library, Ottawa, Canada	DSI-M	— National Museum Library
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada	DWB	U. S. Weather Bureau Library
CaOLU	University of Western Ontario, London, Canada	DeU	University of Delaware, Newark
CaOOF	Department of Finance Library, Ottawa	FMU	University of Miami, Coral Gables, Fla.
CaOOG	Geological Survey of Canada, Ottawa, Canada	FTaSU	Florida State University, Tallahassee
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada	FU	University of Florida, Gainesville
CaOOH	Laboratory of Hygiene, Ottawa, Canada	GAT	Georgia Institute of Technology, Atlanta
CaOOM	Bureau of Mines Library, Ottawa	GEU	Emory University, Atlanta
CaOON	National Research Council, Ottawa, Canada	GU	University of Georgia, Athens
CaOONM	National Museum, Ottawa, Canada	I	Illinois State Library, Springfield
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada	IArg	Argonne National Laboratory, Argonne, Ill.
CaOOU	University of Ottawa, Ottawa, Canada	IC	Chicago Public Library
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada	ICA	Art Institute of Chicago, Chicago
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)	ICAC	American College of Surgeons Library, Chicago
CaOTU	University of Toronto, Toronto, Canada	ICF	Chicago Natural History Museum, Chicago
CaQMAI	Arctic Institute of North America, Montreal, Canada	ICJ	John Crerar Library, Chicago
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal	ICMILC	Midwest Inter-Library Center, Chicago
CaQMM	McGill University, Montreal, Canada	ICN	Newberry Library, Chicago
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal	ICU	University of Chicago, Chicago
		ICU-Y	Yerkes Observatory, Williams Bay, Wis.
		ICarBS	Southern Illinois University, Carbondale
		IEN	Northwestern University, Evanston, Ill.
		IEN-M	— Medical School Library, Chicago
		IHI	Illinois State Historical Library, Springfield
		IU	University of Illinois, Urbana

IaAS	Iowa State University of Science and Technology, Ames	MiU-L	— Law Library
IaU	State University of Iowa, Iowa City	MnSJ	James Jerome Hill Reference Library, St. Paul
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho	MnU	University of Minnesota, Minneapolis
IdU	University of Idaho, Moscow	MnU-B	— Bio-Medical Library
Iu	Indiana State Library, Indianapolis	MnU-L	— Law Library
InIA	Indiana Academy of Science Library, Indianapolis	MoFC	Central College, Fayette, Mo.
InLP	Purdue University, Lafayette, Ind.	MoKL	Linda Hall Library, Kansas City
InNd	University of Notre Dame, Notre Dame, Ind.	MoRM	University of Missouri School of Mines and Metallurgy, Rolla
InU	Indiana University, Bloomington	MoS	St. Louis Public Library
KAS	St. Benedict's College, Atchison, Kan.	MoSB	Missouri Botanical Garden, St. Louis
KMK	Kansas State University, Manhattan	MoSU	St. Louis University, St. Louis
KU	University of Kansas, Lawrence	MoSW	Washington University, St. Louis
KU-L	— School of Law Library	MoU	University of Missouri, Columbia
KU-M	— Medical Center Library, Kansas City	MsSM	Mississippi State University, State College
KyU	University of Kentucky, Lexington	MsU	University of Mississippi, Oxford
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.	MtBC	Montana State College, Bozeman
LU	Louisiana State University, Baton Rouge	MtU	Montana State University, Missoula
MA	Amherst College, Amherst, Mass.	N	New York State Library, Albany
MB	Boston Public Library	NB	Brooklyn Public Library
MBA	American Academy of the Arts and Sciences, Boston	NBB	Brooklyn Museum Libraries, Brooklyn
MBAt	Boston Athenaeum, Boston	NBC	Brooklyn College, Brooklyn
MBM	Boston Medical Library, Boston	NBG	Brooklyn Botanic Garden, Brooklyn
MBN	Boston Society of Natural History, Boston	NBM	Academy of Medicine of Brooklyn Library, Brooklyn
MBU	Boston University	NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.	NBuB	Buffalo Society of Natural Sciences, Buffalo
MCM	Massachusetts Institute of Technology, Cambridge, Mass.	NCH	Hamilton College, Clinton, N. Y.
MH	Harvard University, Cambridge, Mass.	NCornC	Corning Glass Works Library, Corning, N. Y.
MH-A	— Arnold Arboretum, Jamaica Plain	NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
MH-AH	— Andover-Harvard Theological Seminary Library	NIC	Cornell University, Ithaca, N. Y.
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.	NIC-A	— State Colleges of Agriculture and Home Economics
MH-BL	— Biological Laboratories Library	NN	New York Public Library
MH-C	— Chemistry Library	NNA	American Geographical Society, New York
MH-F	— Farlow Reference Library	NNBG	New York Botanical Garden, Bronx Park, New York
MH-FA	— Fogg Art Museum Library	NNC	Columbia University, New York
MH-G	— Gary Herbarium Library	NNC-L	— Law Library
MH-GM	— Gordon McKay Library	NNC-M	— Medical Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)	NNC-T	— Teachers College Library
MH-L	— Law School Library	NNCC	Chemists' Club, New York
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston	NNCoCi	College of the City of New York, New York
MH-Mi	— Mineralogical Library	NNCorM	Cornell University Medical College Library, New York
MH-O	— Astronomical Observatory, the Phillips Library	NNE	Engineering Societies Library, New York
MH-P	— Peabody Museum Library	NNF	Fordham University, New York
MH-PR	— Physics Research Library	NNIS	Library for Intercultural Studies, New York
MH-SD	— Graduate School of Design Library	NNJ	Jewish Theological Seminary of America, New York
MH-Z	— Museum of Comparative Zoology Library	NNM	American Museum of Natural History, New York
MMcT	Tufts University, Medford, Mass.	NNMM	Metropolitan Museum of Art Library, New York
MNS	Smith College, Northampton, Mass.	NNNAM	New York Academy of Medicine, New York
MWelC	Wellesley College, Wellesley, Mass.	NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
MWbB	Marine Biological Laboratory, Woods Hole, Mass.	NNR	Russell Sage Foundation, College of the City of New York
MdAN	U. S. Naval Academy, Annapolis	NNRI	Rockefeller Institute for Medical Research, New York
MdBJ	Johns Hopkins University, Baltimore	NNU	New York University Libraries, New York
MdBWA	Walters Art Gallery, Baltimore	NNU-H	— University Heights Library
MdU	University of Maryland, College Park	NNU-W	— Washington Square Library
MeB	Bowdoin College, Brunswick, Maine	NNUN	United Nations Library, New York
MeWC	Colby College, Waterville, Maine	NPV	Vassar College, Poughkeepsie, N. Y.
MID	Detroit Public Library	NRE	Eastman Kodak Company, Rochester, N. Y.
MIDA	Detroit Institute of Arts	NRU	University of Rochester, Rochester, N. Y.
MIDW	Wayne State University, Detroit	NSyU	Syracuse University, Syracuse, N. Y.
MIEM	Michigan State University, East Lansing	NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
MiMidD	Dow Chemical Company, Midland, Mich.	NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
MiU	University of Michigan, Ann Arbor	NbU	University of Nebraska, Lincoln
MiU-C	— William L. Clements Library		

NcD	Duke University, Durham, N. C.	PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
NcGW	Woman's College of the University of North Carolina, Greensboro	PPF	Franklin Institute, Philadelphia
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh	PPPM	Philadelphia Museum of Art
NcU	University of North Carolina, Chapel Hill	PPT	Temple University, Philadelphia
NdU	University of North Dakota, Grand Forks	PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
Nh	New Hampshire State Library, Concord	PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
NhD	Dartmouth College, Hanover, N. H.	PPICI	Carnegie Institute of Technology, Pittsburgh
NJI	Irvington Free Public Library, Irvington, N. J.	PPIU	University of Pittsburgh, Pittsburgh
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill	PRosC	Rosemont College, Rosemont, Pa.
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.	PSC	Swarthmore College, Swarthmore, Pa.
NjN	Newark Public Library, Newark, N. J.	PSt	Pennsylvania State University, University Park
NjP	Princeton University, Princeton, N. J.	PU	University of Pennsylvania, Philadelphia
NjR	Rutgers University, New Brunswick, N. J.	PU-BZ	— Botany-Zoology Library
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park	PU-El	— Moore School of Electrical Engineering Library
NvU	University of Nevada, Reno	PU-FA	— School of Fine Arts Library
O	Ohio State Library, Columbus	PU-Math	— Mathematics-Physics Library
OCH	Hebrew Union College, Cincinnati	PU-Mu	— University Museum Library
OCLloyd	Lloyd Library and Museum, Cincinnati	PU-Penn	— Penniman Library of Education
OCU	University of Cincinnati, Cincinnati	PU-Sc	— Towne Scientific School Library
OCI	Cleveland Public Library	RPB	Brown University, Providence, R. I.
OCIBHS	Benedictine High School, Cleveland	RU	University of Rhode Island, Kingston
OCICS	Case Institute of Technology, Cleveland	TCU	University of Chattanooga, Chattanooga, Tenn.
OCJJC	John Carroll University, Cleveland	TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
OCIM	Cleveland Medical Library	TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
OCIMA	Cleveland Museum of Art	TU	University of Tennessee, Knoxville
OCIW	Western Reserve University, Cleveland	TxCM	Agricultural and Mechanical College of Texas, College Station
OCob	Battelle Memorial Institute, Columbus	TxDaM	Southern Methodist University, Dallas
ODW	Ohio Wesleyan University, Delaware, Ohio	TxHR	Rice Institute, Houston
OHi	Ohio State Historical Society, Columbus	TxLT	Texas Technological College, Lubbock
OO	Oberlin College, Oberlin, Ohio	TxU	University of Texas, Austin
OOxM	Miami University, Oxford, Ohio	ULA	Utah State University of Agriculture and Applied Science, Logan
OSte	Carnegie Library, Steubenville, Ohio	ViBibV	Virginia Polytechnic Institute, Blacksburg
OU	Ohio State University, Columbus	VIU	University of Virginia, Charlottesville
OUCA	Chemical Abstracts, Ohio State University, Columbus	VIU-L	— Law Library
OkS	Oklahoma State University, Stillwater	VIW	College of William and Mary, Williamsburg
OkU	University of Oklahoma, Norman	ViMiM	Middlebury College, Middlebury, Vt.
OrCS	Oregon State University, Corvallis	VtU	University of Vermont and State Agricultural College, Burlington
OrPR	Reed College, Portland, Ore.	WAP	Institute of Paper Chemistry, Appleton
OrU	University of Oregon, Eugene	WHI	State Historical Society of Wisconsin, Madison
P	Pennsylvania State Library, Harrisburg	WU	University of Wisconsin, Madison
PBL	Lehigh University, Bethlehem, Pa.	WaU	University of Washington, Seattle
PBm	Bryn Mawr College, Bryn Mawr, Pa.	WvU	West Virginia University, Morgantown
PHC	Haverford College, Haverford, Pa.		
PLF	Franklin and Marshall College, Lancaster, Pa.		
PP	Free Library of Philadelphia		
PPAN	Academy of Natural Sciences, Philadelphia		
PPAmP	American Philosophical Society, Philadelphia		
PPC	College of Physicians of Philadelphia		

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 16, NO. 1

APRIL 1963

TABLE OF CONTENTS

Part A—Monographic Works

	Page
1. General.....	1
2. Bibliography.....	1
3. Philosophy & Religion.....	1
4. History.....	2
5. Social Sciences.....	4
6. Political Science.....	7
7. Law.....	8
8. Education.....	9
9. Music, Theater & Motion Pictures.....	10
10. Fine Arts.....	11
11. Language, Literature & Folklore.....	11
12. Geography & Geology.....	21
13. Science.....	22
14. Medicine.....	24
15. Agriculture.....	25
16. Technology.....	27
17. Military & Naval Sciences.....	32

Part B—Periodicals

1. General	
<i>a.</i> Scholarly journals.....	34
<i>b.</i> Popular magazines.....	34
2. Bibliography	
<i>a.</i> Bibliography.....	35
<i>b.</i> Libraries & library science.....	35
<i>c.</i> Printing & the book trade.....	35
3. Philosophy & Religion	
<i>a.</i> Philosophy.....	35
<i>b.</i> Religion.....	35
4. History	
<i>a.</i> General.....	35
<i>b.</i> Archaeology & antiquities.....	36
5. Social Sciences	
<i>a.</i> Commerce.....	36
<i>b.</i> Economics.....	36
<i>c.</i> Finance.....	36
<i>d.</i> Labor.....	36
<i>e.</i> Sociology.....	36
6. Political Science.....	36
7. Law.....	37
8. Education	
<i>a.</i> General.....	37
<i>b.</i> Physical education & games.....	38

9. Music, Theater & Motion Pictures	Page
a. Motion pictures.....	38
b. Music.....	38
c. Theater.....	38
10. Fine Arts	
a. General.....	38
b. Architecture.....	38
11. Language, Literature & Folklore	
a. Language.....	38
b. Literature & folklore.....	38
12. Geography & Geology	
a. Ethnology.....	39
b. Geography.....	39
c. Geology & paleontology.....	39
13. Science	
a. General.....	39
b. Astronomy.....	39
c. Biology.....	39
d. Chemistry.....	40
e. Mathematics.....	40
f. Physics.....	40
14. Medicine	
a. General.....	40
b. Gynecology, obstetrics & pediatrics.....	41
c. Neurology & psychiatry.....	.....
d. Ophthalmology & otorhinolaryngology.....	.....
e. Pathology & therapeutics.....	.....
f. Pharmacy & materia medica.....	41
g. Public health & nursing.....	.....
h. Surgery & dentistry.....	41
i. Venereology & dermatology.....	.....
15. Agriculture	
a. General.....	41
b. Animal industry.....	41
c. Forestry.....	42
d. Plant culture.....	42
16. Technology	
a. General.....	42
b. Aeronautics.....	42
c. Chemical technology.....	42
d. Civil & construction engineering.....	42
e. Electrical engineering.....	43
f. Industries & trades.....	43
g. Mechanical engineering.....	44
h. Mining & metallurgy.....	45
17. Military & Naval Sciences	
a. Military science.....	45
b. Naval science.....	45
Part C—List of Periodicals Indexed and Abbreviations Used.....	46
Subject Index to Monographs and Periodicals.....	53
Guide to Serials Listed in the <i>Monthly Index of Russian Accessions, Volume 15, April</i> 1962–March 1963.....	I–XLV

Periodicals Available in English Translation Cover-to-Cover.

PART A—MONOGRAPHIC WORKS

1. GENERAL

AKADEMIJA NAUK SSSR. Obshchee sobranie. [The building of communism and the social sciences] Stroitel'stvo kommunizma i obshchestvennye nauki; materialy sessii Obshchego sobranija Akademii nauk SSSR, 19-20 oktiabria 1962 g. Moskva, Izd-vo Akad. nauk SSSR, 1962. 307 p.

CHERNOVTSY. KRAVEDCHESKII MUZEI. [A brief guidebook to the State Museum of Local History and Natural Resources in Chernovtsy] Chernivets'kij derzhavnyi kraevedchij muzej; korotkij dovidnyk. Chernivets', Obl. vyd-vo, 1958. 10 p.

KIEV. DERZHAVNYI MUZEI T. H. SHEVCHENKA. [The T. H. Shevchenko Museum in Kiev; a guidebook] Kyiv'skij derzhavnyi muzej T. H. Shevchenka; putivnyk. Kyiv, Akad. nauk URSS, 1961. 140 p. (MI)

MOSCOW. TSENTRAL'NYI MUZEI V. I. LENINA. Kievskij filial. [V. I. Lenin Museum, Kiev Branch] Muzej V. I. Lenina, Kyiv'skij filial. Kyiv, Derzh. vyd-vo daruzovorechogo myslitelstva i muzychnoi lit-ry URSS, 1961. 1 v. (chiefly illus.)

[ONE YEAR OF OUR LIFE] God nashoi zhizni [1961; sbornik. Moskva] Izd-vo "Sovetskaja Rossiia," 1962. 358 p.

2. BIBLIOGRAPHY

AKADEMIJA NAUK SSSR. Biblioteka. [Library of the Academy of Sciences of the U.S.S.R., during 1961] Biblioteka Akademii nauk SSSR v 1961 godu. Sost. G. I. Smolin. Pod red. M. S. Filippova. Leningrad, 1962. 166 p.

ELIZARENKOVA, T. P. [English-Russian bookman's glossary] Anglo-russkii slovar' knigovodcheskikh terminov. Moskva, Sovetskaja Rossiia, 1962. 510 p. (MICROFILM)

GAZETY I ZHURNALY SSSR NA 1962 GOD. Newspapers and magazines of the USSR for 1962. Moscow, Mezhdunarodnaya Kniga [n. d.] 270 p.

KAGRAMANOV, A. G. [Principles of general bibliography. Osnovy obshchego bibliografii. Baku, Gos. knizhnaia palata] 1958. 250 p. [In Azerbaijani] (NCC)

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Fundamentāla biblioteka. [Fundamental Library of the Latvian Academy of Sciences; a guidebook] Fundamentālā bibliotēka Akademii nauk Latvijas SSR; spravoclniks. Riga, Izd-vo Akad. nauk Latvijas SSR, 1960. 64 p. (NCC)

LIETUVOS TSR KNYGU RUMAL. [Books of the Lithuanian S.S.R.; comprehensive national bibliography, 1940-1955] Lietuvos TSR spauda; valstybine suvestine bibliografija, 1940-1955. Vilnius, Valstybine politines ir mokslines literaturos leidykla [In Lithuanian and Russian] Vol. 1. Book 1. 1962. 816 p.

MOSCOW. GOSUDARSTVENNAIA PUBLICHNAIA ISTORICHESKAI BIBLIOTEKA. [Reader's guide] Pamiatka chitatelju. Moskva, 1962. 32 p.

NURKAS, M. M. [Technology of typographical printing] Tekhnologija tipografeskogo pechatanija. Izd. 2., dop. i perer. Moskva, Iskusstvo, 1962. 391 p.

OREL. OBLASTNAIA BIBLIOTEKA. [The Orel region in the works of its native writers; a bibliography] Orl'ovskij kraj v tvorcestve pisatelei-zemlakov; bibliograficheskij ukazatel' literatury. [Orel] Orl'ovskoe knizhnoe izd-vo, 1961. 81 p. (MI)

PETROKAS, L. V., and P. I. A. ROZENFELD. [Equipment for the manufacture of printing plates] Oborudovanie dlia izgotovlenija pechatnykh form. Pod red. L. K. Dolozerskogo. Moskva, Izd-vo "Iskusstvo," 1962. 563 p. (Konstruktsii i raschet poligraficheskikh mashin)

[SOCIALIST L'VOV PROVINCE IN 1957; a bibliographical index (no. 6)] Sotsialistychna L'vivshchyna 1957 r.; bibliografichnyi pokazhchik (vypusk 6). L'viv, L'vivska biblioteka Akad. nauk URSS, 1960. 330 p.

3. PHILOSOPHY & RELIGION

AIHUND-ZADE, FETH ALL. [Selected philosophical works] Izbrannye filosofskie proizvedeniia. Moskva, Sotskizgiz, 1962. 380 p.

AKADEMIJA KHUDOZHESTV SSSR. Institut teorii i istorii izobrazitel'nykh iskusstv. [History of aesthetics; literary monuments of world aesthetic thought in five volumes] Istoriia estetik; pamiatniki mirovoi estetikicheskoi mysli v piati tomakh. Red. kollegiia: M. F. Ovsiannikov i dr. [Moskva] Izd-vo Akad. khudozh. SSR, Vol. 1. [Classical period, Middle Ages, Renaissance. Translated from the Ancient Greek and other languages] Antichnost'. Srednie veka. Vozrozhdenie. [Red. sost. 1 toma V. P. Shchastkov]. 1962. 681 p.

AKADEMIJA NAUK SSSR. Muzej istorii religii i ateizma. [The religion of China; a guidebook] Religiiia Kitaiia; spravoclnik-putevoditel'. Leningrad, Izd-vo Akad. nauk SSR, 1960. 62 p. (NCC)

AKADEMIJA NAUK SSSR. Muzej istorii religii i ateizma. [The religion of China; a guidebook] Religiiia Kitaiia; spravoclnik-putevoditel'. Leningrad, Izd-vo Akad. nauk SSR, 1960. 62 p. (NCC)

BASILIAN, Canada. [Commemorative volume of the Basilian Fathers in Canada; fifty years in the service of God and the people] Propam'iatna knyha OO. Vasylian u Kanadi. 50 lit na sluzhbi Bohovi i narodovi, 1902-1952. Toronto, Vyd-vo oo. Vasylian, 1953. 432 p. illus. (CNY)

BELAVENTSEVA, G. N. [Is there a God? Est' li Bog? Izd. 2., dop. i perer. Moskva, Gos. biblioteka SSSR im V. I. Lenina, 1962. 12 p. (Besedy o nauchno-popul'narnykh knigakh)

BOCHORIASHVILI, A. T. [Problem of the unconscious in psychology] Problema bessoznatel'nogo v psikhologii. Tbilisi, Akad. nauk Gruzinskoi SSR, 1961. 68 p. (MI)

DONTSOV, DMYTRO. [Cardinal Mercier, servant of God and of the people] Kardynal Merslie, sluzha Bohu i natsii. [Vyd. 2.] Toronto, Vyd-vo Meta, 1956. 80 p. (InU)

[FIRST IN SHACKLES: White Book on the persecution of religion in the Ukraine. Translated from the Italian] Pershi zakovani; Bila Knyha pro perosliduvannia vry v Ukraini. Buenos Aires, 1956. 70 p. (CNY)

GALOYAN, M. S. [The materialism of Ludwig Feuerbach. Materializm Ludviga Feurbakha. Erevan, Arman'skoe gos. izd-vo] 1962. 174 p. [In Armenian]

GRIGOR'IAN, B. T. [Neo-Kantianism; a critical study] Neokantianstvo; kriticheskii ocherk. Moskva, Vysshaya shkola, 1962. 88 p. (Materialy k lekttsiam po filosofii)

GULIAEV, N. A. [V. G. Belinskii and foreign aesthetics in his time] V. G. Belinskii i zarubezhnaia estetika ego vremeni. [Kazan'] Izd-vo Kazanskogo univ., 1961. 366 p. (InU)

KARASENKO, D. B. [N. G. Chernyshevskii's criticism of the Catholic and the Orthodox churches] Krytyka M. H. Chernysheva kym katolytysizmu i pravoslav'iu. Kyiv, Akad. nauk URSS, 1959. 50 p. (MI)

KARBOVSKAIA, V. A. [This we cannot accept] Net, mirit'sia ne budem! Moskva, Gospolitizdat, 1962. 54 p.

KAZAKOV, A. P. [Historical materialism] Istoriicheskii materializm; uchebno-metodicheskoe posobie dlia studentov znachnykh otdelov vuzov. [Leningrad] Izd-vo Leningr. univ., 1962. 92 p.

KHIDASHELI, SH. V. [Basic ideological trends in feudal Georgia, from the 4th to the 13th century] Osnovnye mirovozzracheniia napravleniia v feodal'noi Gruzii, IV-XIII vv. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 418 p.

KOLOGRIWOF, IWAN von. [Outline history of Russian sanctity] Ocherki po istorii russkoi sviatosti. Izbrannye, Zhizn' a Bogom, 1961. 415 p. (MI) (CNY)

KONFERENTSIJA PO PROBLEMAM SPOSOBNOSTEI, Leningrad, 1960. [Aptitude problems] Problemy sposobnostei. Otv. red. V. N. Miasishchev. Moskva, Akad. pedagog. nauk RSFSR, 1962. 307 p. (MI)

LEONOV, O. D. [Karl Marx's path to a scientific view of religion] Put' Karla Marksa k nauchnomu vzgliadu na religiu. Moskva, Vysshaya shkola, 1961. 91 p. (CST-II)

LIASHEVSKII, STEFAN. [Holy Father Herman of Alaska] Propodobnyi starets German Alaskinskii. New York, 1953. 57 p. (MI)

MANSUROV, N. S. [A critical study of present-day bourgeois psychology] Sovremennaya burzhuanznaia psikhologija; kriticheskii ocherk. Moskva, Sotsek-giz, 1962. 284 p.

MICHAEL, Abp. of Toronto and Eastern Canada. [The spiritual world, the human soul, and parapsychology] Dukhovnyi svet, dusha liudyny i parapsikhologija. Vyd. 1. Toronto, 1961. 163 p.

MIKHALENKO, IU. P. [Philosophy of David Hume is the theoretical foundation of 20th century English positivism] Filosofija D. Iuma - teoreticheskaja osnova angliiskogo pozitivizma XX veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 149 p.

MINASIAN, A. M. [The categories of content and form] Kategorii soderzhanija i formy. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1962. 311 p.

NARSKII, I. S., and L. N. SUVOROV. [Positivism and the mechanistic revision of Marxism] Pozitivizm i mekhanisticheskaja revizija marksizma. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 82 p. (Materialy k lekttsiam po filosofii)

- NATADZE, R. G.** [Short course in psychology, Kratkii kurs psikhologii. Tbilisi, Izd-vo Tbilisskogo univ., 1962. 349 p. [In Georgian]
- PANTEKHAVA, I. D., ed.** [History and theory of atheism] Istoriia i teoriia ateizma. Moskva, Gos. Izd-vo "Vysshaya shkola," 1962. 485 p.
- PAVLOV, V. T.** [Relations between concepts] Otnosheniia mezhdia poniatiiami. [Kiev] Izd-vo Kievskogo univ., 1961. 174 p. (MH)
- PAXSON, RUTH.** [Rivers of living water, how obtained, how maintained; studies setting forth the believer's possessions in Christ. Translated from the English] Reki vody zhivoi, kak ily obresti - kak sokhranit'; nasledovaniia slova Bozhiia po voprosu o bogatstve slavy nasledia, vo Khriste Iisuse dlia verushchego. 3. Izd., porocem. i dop. [Paris, Russkoe evangel'skoe dvizhenie, 1949]. 132 p. (NNC)
- PIATIGORSKII, A. M.** [Materials on the history of Hindu philosophy; the materialism of Lokayata, the Hindu system of Shaiva Bhakti, and other philosophical and religious systems in medieval Tamil sources] Materialy po istorii indiskoi filosofii; materializm lokayaty, induistika sistema shiva-bhakti i drugie filiosofskie i religioznye sistemy v srednevekovykh tamil'skikh istochnikakh. Moskva, Izd-vo vostochnoi lit-ry, 1962. 249 p.
- RODZIANKO, M.** [The truth about the Russian Orthodox Church outside Russia according to documents and private reminiscences] Pravda o Zarubezhnoi Tserkvi po dokumentam i lichnym vospominaniiam. [n.p.] 1954. 40 p. (ICU)
- SHISHKIN, I. B.** [In search of the Biblical Hell] V poiskakh bibliskogo ada. Moskva, Gospolitizdat, 1962. 61 p. (Besedy s verushchimi)
- SIDOROV, D. I.** [Christianity and ethics] Khristianstvo i nrayvennost'. [Moskva] Mosk. rabochii, 1962. 102 p.
- SKATERSHCHIKOV, V. K.** [Your aesthetic taste] Tvoi esteticheskii vkus. Moskva, Izd-vo "Znanie," 1963. 48 p. (Narodnyi universitet kul'tury: Fakul'tet literatury i iskusstva, no. 1)
- SVIDERSKII, V. I.** [Dialectic of elements and structure in the objective world and in perception] O dialektike elementov i struktury v ob'ektivnom mire i v poznanii. Moskva, Sotsekgiz, 1962. 273 p.
- VALENTINOV, A. A.** [Religion and the Church in the U.S.S.R.; a lecture read at the republic-wide seminar of atheist lecturers in Leningrad] Religii i tserkov' v SSSR; stenogramma lektsii, prochitannoi na respublikanskom seminaro lektorov-ateistov v g. Leningrade. Moskva, Ob-vo po rasprostraneniia polit. i nauchn. znani SSSR, 1960. 62 p. (MH)
- VISLOBOKOV, A. D.** [Marxist dialectics and present-day mechanistic philosophy] Marksistskaya dialektika i sovremennyi mekhanizm. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 239 p.
- YANAGIDA, KENJUJO.** [Ten years on the road of materialism. Continuation of the book "The evolution of my philosophy." 10 let po puti materializma. Prodolzhenie knigi "Evoliutsiia moego mirovopozreniia." Moskva, Izd-vo Sotsial'no-ekon. lit-ry, 1961. 180 p. (NNC)
- #### 4. HISTORY
- ABRAMOV, V. L.** [On the roads of war] Na ratnykh dorogakh. Moskva, Voenizdat, 1962. 238 p. (Voennye memuary)
- AKADEMIA NAUK SSSR.** [World history in ten volumes] Vsemirnaya istoriia v desiaty tomakh. Glav. red. E. M. Zhukov i dr. Moskva, Izd-vo sotsial'no-ekon. lit-ry. Vol. 9. [1924-1939] Pod red. L. I. Zuboka (otv. red.), A. M. Dubinskogo, G. N. Savost'ianova. 1962. 748 p.
- AKADEMIA NAUK SSSR. Iakutskii filial, Yakutsk. Institut iazyka, literatury i istorii.** [Struggle for the establishment and consolidation of the Soviet regime in Yakutia; documents and source materials] Bor'ba za ustanovlenie i uprochenie Sovetskoi vlasti v Iakutskii; sbornik dokumentov i materialov. Iakutsk, Iakutskoe knizhnoe izd-vo. Pt. 2, book 1. 1961. 405 p.
- AKADEMIA NAUK SSSR. Institut istorii.** [Complete collection of Russian chronicles] Polnoe sobranie russkikh letopisei. [Vospriizvedenie teksta izdaniia 1926-1928 godov.] Moskva, Izd-vo vostochnoi lit-ry. Vol. 1. [The Laurentian and Suzdal chronicles according to the Academy copies] Lavrent'evskaya letopis' i Suzdal'skaya letopis' po Akademicheskemu spisku. 1962. 577 p.
- AKADEMIA NAUK SSSR. Institut istorii.** [Revolutionary situation in Russia in 1855-1861] Revoliutsionnaya situatsiia v Rossii v 1855-1861 gg. Moskva, Izd-vo Akad. nauk SSSR, 1962. 595 p.
- AKADEMIA NAUK SSSR. Institut istorii. Leningradskoe otdelenie.** [Documentary materials on French foreign policy, 1547-1548] Dokumenty po istorii vneshnei politiki Frantsii, 1547-1548 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 394 p.
- AKADEMIA NAUK SSSR. Institut narodov Azii.** [Against the distortion of the history of colonialism] Protiv fal'sifikatsii istorii kolonializma. Moskva, Izd-vo vostochnoi lit-ry, 1962. 227 p.
- AKADEMIA NAUK SSSR. Institut narodov Azii.** [Forty years of Afghan studies by Soviet scholars] Sovetskoe aiganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Afghan] (MDW)
- AKADEMIA NAUK TURKMENSKOI SSR. Ashkhabad. Institut istorii, arkhologii i etnografii.** [Annexation of Turkmenia to Russia; archival documents] Prisoedinenie Turkmenii k Rossii; sbornik arkhivnykh dokumentov. Pod red. A. H'insova. Ashkhabad, Akad. nauk Turkmeniskoi SSR, 1960. 821 p. (MH)
- ALEXANDROVA, VERA, pseud.** [This I remember; 1917-1921] Porezhito, 1917-1921 gg. [n.p.] 1962. 63 p. (Interuniversity Project on the History of the Menshevik Movement. Paper no. 12) (MH)
- [AMERICAN IMPERIALISM IS THE WORST ENEMY OF THE KOREAN PEOPLE]** Amerikanskii imperikalizm - zloishlii vrug koreiskogo naroda. [Pyongyang, Izd-vo lit-ry na inostr. iazykakh, 1959. 44 p. (Sbornik materialov o Koree, no. 5)]
- ANDRONOV, S. A.** [The party in the struggle to consolidate and develop a socialist society, 1937- June 1941] Partia v bor'be za uprochenie i razvitie sotsialisticheskogo obshchestva, 1937 god - iun' 1941 goda. Moskva, Gospolitizdat, 1961. 105 p. (V poiskakh izuchaiushchiiu istoriiu KPSS) (MH) (NNC)
- [ARCHAEOLOGY OF THE U.S.S.R.; collection of archaeological sources] Arkheologiya SSSR; svod arkheologicheskikh istochnikov.** Pod obshch. red. B. A. Rybakova. Moskva, Izd-vo Akad. nauk SSSR. No. B3-8. **Mason, V. M.** [Aeneolithic of the southern regions of Central Asia] Enolit lizhnykh oblastei Srednei Azii [Monuments of the developed Aeneolithic of Southwestern Turkmenistan] Pamiatniki razvitoego enolitika Iugo-Zapadnoi Turkmenii. 1962. 27 p.
- No. D3-8. **Rudenko, S. I.** [The Siberian collection of Peter I.] Sibirskaya kolleksiia Petra I. 1962. 51 p. plates.
- No. D1-12. [Antiquities of the Iron Age in the interfluvium of the Derna and Dnieper Rivers; 1. Archaeological map; 2. Funeral rites] Drevnosti Zheleznoogo veka v mezhdurech'e Desny i Dnepra; 1. Arkheologicheskaya karta; 2. Pogrebal'nye obrady. 1962. 72 p. map. tables.
- ARZUMANIAN, M. V.** [Arsen Amirian. Erevan, Armianskoe gos. izd-vo] 1961. 113 p. [In Armenian]
- BEHMA, VASYL', and LUKA KUZIA.** [Roads of the unconquered] Shlakhy nesokorennykh. [Kyiv, Radians'kii pys'mennyk, 1962] 500 p. (MH) (NNC)
- BRINSKII, A. P.** [On the other side of the front; recollections of a guerilla-fighter] Po tu storonu fronta; vospominaniia partizana. Literaturniia zapiski B. Brinskii. Moskva, Voen. izd-vo, 1961. 2 v. (CST-H)
- CHERNIKOV, I. F.** [Soviet-Turkish relations from 1923 to 1935] Radians'ko-turets'ki vidnosny v 1923-1935 rr. Kyiv, Akad. nauk Ukr. RSR. 1962. 134 p. (CST-H)
- CONDURACHI, EM.** [Istria] Istria. Bucharest, Izd-vo "Meridiany," [n.d.] 31 p. illus. (Pamiatniki Rumynii)
- DMITREVSKII, N. A.** [Defenders of the sky over the capital] Zashchitniki neba stolitsy. Moskva, Voenizdat, 1962. 93 p. (Gerolicheskoe proshloe nashel rodiny)
- DVINOV, B. L.** [First World War and the Russian Social Democratic Party] Pervaya Mirovaya volna i rossiiskaya sotsial-demokratia. New York, 1962. 239 p. (Interuniversity Project on the History of the Menshevik Movement. Paper, no. 10) (MH)
- EICHMANN, ADOLF.** [Six million accuse; speech of the Israeli Attorney General at the Eichmann trial] 6,000,000 obviniaiat; rech' izra'il'skogo general'ogo prokurora na protsesse Eikhmana. Jerusalem, Izd. informatsionnogo otdela M-va inostr. del, 1961. 170 p. (MH)
- FEDOROV, A. F.** [Underground Province Committee in action] Podpol'nyi obkom delstvuet; literaturniia zapiski Evg. Bosnitskogo. Moskva, Sovetskii pisatel', 1962. 733 p.
- FESSENKO, TATIANA.** [The tale of the ragged years] Povest' krivyykh let. New York, Izd. "Novogo Russkogo Slova," 1963. 220 p.
- FOMIN, A. M.** [Mikhail Amvrosievich Fomin; a historical sketch] Mikhail Amvrosievich Fomin; istoricheskii ocherk. Barnaul, Altaiskoe knizhnoe izd-vo, 1961. 93 p. (MH) (CST-H)
- FOMIN, F. T.** [Reminiscences of a former chekist] Zapiski starogo chekista. Moskva, Gospolitizdat, 1962. 203 p.
- [FOR THE SAKE OF YOUR LIFE]** Radi tvoei zhizni. [Leningrad] Lentizdat, 1962. 132 p. illus. (CST-H)
- GERASIMENKO, I. P.** [Partisan spark; reminiscences of a participant] Partyzanskaya iskra; spohody uchastnyka. Kyiv, Molod', 1961. 140 p. (CST-H)
- GERMAN, M. IU., B. P. SELETSKII, and IU. P. SUZDAL'SKII.** [On seven hills; sketches of the culture of ancient Rome] Na semi kholmakh; ocherki kul'tury drevnego Rima; posobie dlia uchitelia istorii. Leningrad, Gos. uchelno-pedagog. izd-vo, 1960. 213 p. (NNC)
- GLUKHIOV, A. M.** [British imperialism in Eastern Africa, 1945-1960; British colonial policy] Britanskii imperikalizm v Vostochnoi Afrike, 1945-1960 gg.; angliiskaya kolonial'naya politika. Moskva, Izd-vo IMO, 1962. 253 p.
- GORBUNOV, T. S., [V. I. Lenin as the creator of the White Russian Soviet socialist state] V. I. Lenin - sozdatel' Belorusskogo Sovetskogo sotsialisticheskogo gosudarstva.** Minsk, 1962. 31 p. (Obshchestvo po rasprostraneniia politicheskikh i nauchnykh znani Belorusskoi SSR, no. 23)
- GRUNT, A. IA.** [The plot of the doomed; the defeat of Kornilov's forces] Zagovor obrochennykh; razgrom kornilovshchiny. Moskva, Gospolitizdat, 1962. 70 p. (Stranitsy istorii sovetskoi rodiny) (CST-H)
- GUBAREVA, V. M.** [How the revolutionary masses of the Petrograd Government struggled for the victory of the socialist revolution] Bor'ba revoliutsionnykh mass Petrogradskoi gubernii za pobedu sotsialisticheskoi revoliutsii. [Leningrad] Izd-vo Leningr. univ., 1962. 162 p.
- [A HEROIC CITY ON THE VOLGA; guide to the historical places of Volgograd] Gorod-geroi na Volge; putevoditel' po istoricheskim mestam Volgograda.** Moskva, Voenizdat, 1962. 142 p.
- [HOW UL'YANOVSK PROVINCE SERVICEMEN FOUGHT FOR OUR COUNTRY] Ul'yanovtsy v boiakh za Rodinu.** [Ul'yanovsk] Ul'ianovskoe knizhnoe izdatel'stvo, 1962. 235 p.
- KAISENOV, KASYM.** [From the jaws of death. Translated from the Kazakh] Iz kogdei smerti. Moskva, Voenizdat, 1962. 159 p.
- KALININ, M. I.** [M. I. Kalinin in Uzbekistan; a collection of documents] M. I. Kalinin v Uzbekistane; sbornik dokumentov. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1961. 174 p. (CST-H)

- KAPLANAS, O. [The Ninth Fort accuses. Translated from the Lithuanian] Deviatyi fort obviniaet. Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1962. 57 p.
- KARDASH, G. I. [In those days; front-line notebook] V te dni; frontovye zapiski. [Khar'kov] Khar'kovskoe izd-vo, 1962. 149 p. (MH)
- KARMEN, R. L. [In countries of three continents] Po stranam trekh kontinentov. [Moskva] Molodai gvardiia, 1962. 142 p.
- KARPOV, M. O. [Through tempest and storm] Kriz' buri i shtormy. Kyiv, Molod', 1961. 208 p. (MH)
- KAUFMAN, A. S., and A. F. MALOV. [New history of an old country] Novaya istoriia drevnei strany. Moskva, Gospolitizdat, 1962. 109 p.
- KAZAKOV, V. I. [At the turning point] Na perelome. Moskva, Voenizdat, 1962. 189 p. (Voennye memuary)
- KHAZANOV, A. M. [Struggle for liberation of the peoples of East Africa after the Second World War; popular essays] Osoboditel'naya bor'ba narodov Vostochnoi Afriki posle Vtoroi mirovoi volny; nauchno-populjarnye ocherki. Moskva, Sotsekgiz, 1962. 326 p.
- KHORUZHAIA, V. Z. [Letters from prison] Pis'ma na voliu. [Moskva] Izd-vo "Molodai gvardiia," 1962. 346 p.
- KHYZHNIK, P. K. [Special Communist unit] Osoblyvyi komunistychnyi. Kyiv, Molod', 1960. 234 p. (NCC)
- KOLOV, I. A. [War along the raft in Polesye] Rei'sovain volna v Polen'e. Moskva, Voenizdat, 1962. 82 p. (Gerolicheskoe proshloe nashoi Rodiny)
- KOMAROVA, K. V., and I. A. V. PANTELEEV. [Famous commander of the Chapaev Division] Slavnii nachdiv Chapaevskoi. [Moskva, Gospolitizdat, 1962]. 70 p. (Gerol i podvig) (CS-I)
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Orenburgskii oblastnoi komitet. Partinnyi arkhiv. [Called by the revolution; stories of Orenburg Bolsheviks and their struggle for the victory of the proletarian revolution and the Soviet regime] Revoliutsii prizvanie; rasskazy ob orenburgskikh bol'shevikakh, ikh bor'be za pobedu proletarskoi revoliutsii, za vlast' Sovetov. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1961. 166 p. (CS-II) (CU)
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Saratovskii oblastnoi komitet. Partinnyi arkhiv. [The Saratov party organization during the years of the socialist industrialization of the country and the preparation for the complete collectivization of agriculture; documents and materials, 1926-1929] Saratovskaiia partinnaia organizatsiia v gody sotsialisticheskoi industrializatsii strany i podgotovki sploshnoi kollektivizatsii sel'skogo khoziaistva; dokumenty i materialy, 1926-1929 gg. [Saratov] Saratovskoe knizhnoe izd-vo, 1960. 361 p. (MH)
- KORNEV, A. S. [They came from civil life] U nikh byli mirnye professii. Moskva, Voenizdat, 1962. 181 p. (Voennye memuary)
- KOSARENKO-KOSAREVYICH, VASYL'. [Moscow sphinx; myth and power in the life of eastern Europe] Moskva'skii sfinks; mit i sila v obraze skhodu Evropy. Povno vyd. New York, 1957. 486 p. (OKU)
- KOTLIARSKII, M. IA. [The winged ones] Okrylennyye. Moskva, Sovetskaiia Rossiia, 1962. 197 p.
- KUDERIKOVA, MARIE. [Fragments from life; letters from prison. Translated from the Czech] Otryvki iz zhizni; pis'ma iz zakliucheniia. [Moskva] Molodai gvardiia, 1962. 142 p.
- LENIN, V. I. [Complete works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Gospolitizdat. Vol. 30. [March-July, 1918] Mart - Iul' 1918. 1962. 741 p.
- LIUBIMOV, V. N. [Outline history of Chuvashia] [Ocherki po istorii Chuvashskoi ASSR. Chelovekary, Chuvashgosizdat]. 1961. 149 p. [In Chuvash]
- LUKIN, A. A. [Reconnaissance scouts] Razvedchiki. Moskva, Znaniie, 1962. 127 p. (CS-II)
- LUPALO, I. G. [Heroic deeds of General Karbyshev] Podvig generala Karbysheva. Moskva, Gospolitizdat, 1962. 62 p. (Gerol i podvig)
- MAGOMEDOV, R. M. [History of Dagestan; from the ancient period to the early 18th century] Istoriia Dagestana; s drevneishikh vremen do nachala XIX veka. Makhachkala, Dagestanskoe uchebno-pedagog. izd-vo, 1961. 291 p.
- MARX, KARL, and FRIEDRICH ENGELS. [Collected works] Sochineniia. Izd. 2. Moskva, Gospolitizdat. Vol. 28. 1962. xxx, 787 p.
- MINEEV, P. D., and V. A. TOKAREV. [Yugoslavia] Iugoslaviia. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriia: Mezhdunarodniia, no. 2)
- MOHAMMAD REZA SHAH, Shah of Iran, 1919- [The Great Reza Shah] Velikii Reza Shakh. [n.p. n.d.] 24 p.
- MOREKHINA, G. G. [Contribution of the working class to the front; the deeds of the laboring class of the U. S. S. R. during the years of the Great Patriotic War, 1941-1945] Rabochii klass - front; podvig rabochego klassa SSSR v gody Velikoi Otechestvennoi volny, 1941-1945. Moskva, Sotsekgiz, 1962. 470 p. (CS-II) (MI)
- MOSCOW. GOSUDARSTVENNAIA PUBLICHNAIA ISTORIICHESKAIA BIBLIOTEKA. [Annotated bibliography of ancient and medieval history] Istoriia drevnego mira. Istoriia srednikh vekov; annotirovannyi ukazatel' literatury dlia uchitelei vo smilnetel shkoly. Moskva, Izd-vo Vses. knizhnoi palaty, 1962. 135 p.
- NELIDOV, A. A. [History of the governmental agencies of the U. S. S. R., 1917-1936] Istoriia gosudarstvennykh uchrezhdenii SSSR, 1917-1936 gg.; uchebnoe posobie. Red. A. V. Chernov. Moskva, Mosk. gos. istoriko-arkhiv. in-t, 1962. 746 p.
- NERSESIAN, A. N. [Economic and political situation of the western Armenians and their orientation toward Russia in the first half of the 19th century. Ekonomicheskoe i politicheskoe polozhenie zapadnykh armen i ikh russkaia orientatsiia v pervoi polovine XIX veka. Erevan, Izd-vo Armianskogo gos. univ.] 1962. 211 p. [In Armenian]
- NEVIAROVSKAIA, E. V. [The Bolshevik party during the years of reaction, 1907-1910] Partia bol'shevikov v gody reaktsii, 1907-1910 gg.; lektzii, prochtannyye v Vyssheii partinnoi shkole pri TsK KPSS. Moskva, Vysshiaia partinnaia shkola pri TsK KPSS, 1957. 68 p. (TsHR)
- PILUSHIN, I. I. [At the walls of Leningrad; a soldier's notebook] U sten Leningrada; zapiski soldata. [Leningrad] Lenizdat, 1962. 295 p. (MI)
- [POLITICAL SITUATION IN SOUTH KOREA] Politicheskoe polozhenie v Iuznoi Koree. Pyonyang, Izd-vo lit-ry na inostr.azykakh, 1959. 40 p. (Sbornik materialov o Koree, no. 6)
- POLTAVA. DERZHAVNYI ARKHIV. [Guidebook to the State Archives of Poltava Province] Putivnyk. [Khar'kov] Khar'kovska knizhkovoe vyd-vo, 1959. 243 p. (MI)
- [READINGS ON THE HISTORY OF THE CPSU; in three volumes] Khrestomatiiia po istorii KPSS; v trekh tomakh. [Sost.: Gaidukh, B. V., Temirbaev, K. M., Iudachov, S. A.] Moskva, Gospolitizdat. Vol. 2. [March 1917 to 1945] Mart 1917 g.-1945 g. 1962. 622 p.
- REMEZOVSKYI, I. D. [Life of the Ul'ianov family in Kiev] Pro perebuvannia slm'i Ul'ianovykh u Kyievi. [Kyiv] Kyiv'skii derzh. univ., 1957. 62 p. (NCC)
- RUSKII OBSHCHE-VOINSKII SOIUZ. N'iu-Iorskoe otdeleniie. [Day of Russian Sorrow; in memory of the martyred Emperor Nikolai Aleksandrovich, his most august family, and faithful servants] Den' russkoi skorbi; pamiati Tsaria-muchenika Gosudaria Imperatora Nikolai Aleksandrovicha, Ego Avgustelshei sem'i i vernykh slug... New York, 1956. 13 p.
- SABADYREV, I. L. [The Bolshevik press on revolutionary events in Moldavia from 1901 to 1917] Bol'shevistskaia pechat' o revoliutsionnykh sobytiiakh v Moldavii, 1901-1917 gody; k 50-letiu "Pravdy." Kishinev, Kartia moldoveniaska, 1962. 48 p.
- SAFONOV, V. V., comp. [We saw Lenin; reminiscences by old Bolsheviks] My videli Lenina; vospominaniia starykh bol'shevikov. Stalino, Knizhnoe izd-vo, 1961. 91 p. (MH)
- SEMANOV, S. N. [A. M. Gorchakov, a Russian diplomat of the 19th century] A. M. Gorchakov - russkii diplomat XIX v. Moskva, Sotsekgiz, 1962. 113 p. (Vydalushchionia diplomaty)
- SEMIRIAGA, M. I. [The Second World War and proletarian internationalism] Vtoraiia mirovaia volna i proletarskii internatsionalizm. Moskva, Voenizdat, 1962. 214 p.
- [SEPTEMBER 1939. Translated from the German] Sentabr' 1939. Moskva, Izd-vo Sotsial'no-ekon. lit-ry, 1961. 175 p. (NCC)
- SGIBNEV, A. A. [Following in the footsteps of heroes] Po sledam heroev. Moskva, Gospolitizdat, 1962. 77 p. (Gerol i podvig)
- SHABUNIA, K. I. [The agrarian problem and peasant movement in White Russia during the Revolution of 1905-1907] Agrarnyi vopros i krest'ianskoe dvizhenie v Belorussii v revoliutsii 1905-1907 gg. Minsk, Izd-vo M-va vysshago, srednego spetsial'nogo i profes-sional'nogo obrazovaniia BSSR, 1962. 434 p.
- SHAKHOVSKOI, I. F. [The Bolshevik Party during the first Russian revolution, 1905-1907] Partia bol'shevikov v period pervoi russkoi revoliutsii, 1905-1907 gg.; lektzii, prochtannyye v Vyssheii partinnoi shkole pri TsK KPSS. Moskva, Vysshiaia partinnaia shkola pri TsK KPSS, 1957. 158 p. (TsHR)
- SHAKHOVSKOI, I. F. [The Bolshevik Party in the Revolution of 1905-1907] Partia bol'shevikov v Revoliutsii 1905-1907 gg.; toma 3. Izd. 2. Moskva, Izd-vo VPSH, 1960. 138 p. (Istoriia KPSS; kurs lektzii) (CU)
- SHAPA, L. A. [Far Eastern Perekop] Dal'nevostochnyi Perekop. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 103 p. (MI)
- SHEIDMAN, I., IA. MUZYKANTIK, and IA. PAKALINS. [Daugavpils in the past and at present] Daugavpils v proshlom i nastoiashchem. Riga, Latvinskoe gos. izd-vo, 1959. 117 p.
- SHUPIK, E. G. ["Ostarbeiter." Ostarbay. Simferopol', Krymizdat, 1961. 211 p. (MI)
- SIMONIAN, M. N. [A life devoted to the revolution] Zhizn' dlia revoliutsii. Moskva, Gospolitizdat, 1962. 78 p. (Gerol i podvig)
- SMIRNOV, N. K. [Sailors protect the country] Matrosy zashchishchaliu rodinu. Moskva, Gospolitizdat, 1962. 262 p.
- SMIRNOV, S. S. [Stories about unknown heroes] Rasskazy o neizvestnykh geroinakh. Moskva, Izd-vo "Pravda," 1963. 47 p. (Biblioteka "Ogonek," no. 2)
- SPASOVSKII, M. M. [Conciliar monarchy] Sobornaiia monarkhiia. Buenos Aires, [Nasha strana] 1963. 46 p. (IAU)
- STARKOV, M. I. [Peasants of the Amur Valley on the eve of the October Revolution] Amurskoe krest'iansvo nakunne oktiabria. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1962. 87 p. [MICROFILM]
- UBANOV, DZHURA. [Newspapers and periodicals of the Tajik S.S.R. during the Great Patriotic War] Pechat' Tadjikskoi SSR v period Velikoi Otechestvennoi volny. Dushanbe, Tadjikskii Gos. univ., im. V. I. Lenina, 1962. 105 p.
- UTEVSKII, B. S. [Crimes of the Hitlerites against the civilian population] Prestupleniia ghitlerovtsev protiv mirnogo naseleniia. Pod red. N. M. Rychkova. Moskva, 1946. 40 p. (NIC)
- [THEY DEFENDED TULA; reminiscences and sketches] Oni zashchishchali Tulu; vospominaniia i ocherki. [Tula] Tul'skoe knizhnoe izd-vo, 1961. 174 p. (CS-II)

TOWN AND COUNTRY IN THE BYZANTINE EMPIRE FROM THE 4th TO THE 12th CENTURY; a collective report by the delegation of Soviet scholars. Gorod i derevnia v Vizantii v IV - XII vv.; kollektivnyi doklad delegatsii sovetskikh uchennykh. Belgrade, 1961. 44 p. (12e Congrès International des Études byzantines, Rapports, no. 1) (DDO)

TRUKHANOVSKI, V. G. [English foreign policy in the early phase of the general crisis of capitalism, 1918-1939] Vneshnaya politika Anglii na pervom etape obshchego krizisa kapitalizma, 1918-1939 gg. Moskva, Izd-vo DMO, 1962. 410 p.

TSUBINASHVILI, NIKO. Uplis Tskhe. Tbilisi, Gos. izd-vo "Sakhoti Sakartvelo", 1961. 18p. illus.

[TUAPSE; popular historical sketch] Tuapse; populyarnyi istoricheski ocherk; [Krasnodar] Krasnodarskoe knizhnoe izd-vo, [1958] 101 p.

[THE 20th ANNIVERSARY OF THE ESTONIAN S. S. R.] Eesti NSV 20. aastapäev; materjale Eesti NSV 20. aastapäevate puhendatud pidustuste kohta. Tallinn, Eesti Riiklik Kirjastus, 1960. 104 p. [In Estonian]

VALIEV, VAKHID. [The people's voice; pages from the life and work of Ildash Akhumbatov. Translated from the Uzbek] Narodnyi aksakal; stranitsy zhizni i dela Ildasha Akhumbatova. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 102 p. (MH)

VANIN, RU. V. [Feudal Korea in the 13th and 14th centuries] Feodal'naya Koreia v XIII - XIV vekakh. Moskva, Izd-vo vostochnoi lit-ry, 1962. 186 p.

VIAZ'MITINA, M. I. [Zolotaya Balka, a settlement of the Sarmatian period in the Lower Dnieper Valley] Zolota Balka, poseleniye sarmats'koho chasu na ryzh'nomu Dnipro. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 237 p.

VOL'F, A. I. [In a foreign land; a documentary tale] V chuzhoi strane; dokumental'naya povest'. [Moskva] Molodaya gvardiya, 1962. 526 p.

ZAV'YALOV, A. S., and T. E. KALIADIN. [Collapse of operation "Edelweiss." Proval operatsii "Edeľveis." Moskva, Voenizdat, 1962. 146 p. (Gerolicheskoe proshloe nashoi Rodiny)

5. SOCIAL SCIENCES

ACHARKAN, V. A., and B. V. LEITMAN. [Special benefits for some categories of pensioners and the increased rates of their pensions] Pensii na l'gotnykh usloviyakh i v l'gotnykh razmerakh. Moskva, Gosizdat, 1962. 68 p. (Iuridicheskie konsultatsii dlia naseleniya v voprosakh i otvetakh)

ADAMOV, A. G. [Answering for all] Za vse v otvet. Moskva, Gospolitizdat, 1961. 30 p. (Kommunizm i chelovek) (CLU)

AKADEMIA NAUK SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Economic cooperation of the Soviet Union with economically underdeveloped countries] Ekonomicheskie sotrudnichestvo Sovetskogo Soyuza s ekonomicheski slaborazvityimi stranami. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 181 p.

AKADEMIA NAUK SSSR. Institut nauchnoi informatsii. [Economic administrative regions of the U. S. S. R.; catalog of new literature on nature, resources and the economy] Ekonomicheskie administrativnye raiony SSSR; ukazatel' novoi literatury po prirode, resursam i khoziaistvu. Moskva, No. 2. [Regions of the central R. S. F. S. R.] Raiony tsentra RSFSR. Pod red. V. V. Pokhishchevskogo. 1958. 87 p.

AKADEMIA NAUK UZBEKSKOI SSR. Tashkent, Institut ekonomiki. [History of the national economy of Uzbekistan] Istoriia narodnogo khoziaistva Uzbekistana. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, Vol. I, 1962. 389 p.

AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR. Moscow, Institut defektologii. [Mental development of deaf children and those with normal hearing; comparative analysis] O psikhicheskoi razviti glukhikh i normal'no slysashchikh detei; sravnitel'nyi analiz. Pod red. I. M. Solov'eva. Moskva, Izd-vo APN RSFSR, 1962. 370 p.

AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR. Moscow, Institut obshchego i politicheskogo obrazovaniia. [Teaching economic geography in secondary schools] O prepodavanii ekonomicheskoi geografii v srednei shkole. Pod red. I. I. Samoilova. Moskva, Izd-vo APN RSFSR, 1962. 86 p.

AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut ekonomiki stroitel'stva. [Instructions for analyzing the economic effectiveness of introducing mechanization and automation in construction] Ukazaniia po raschetam ekonomicheskoi effektivnosti vnedreniia mekhanizatsii i avtomatizatsii v stroitel'stve. Moskva, Gosstroizdat, 1962. 133 p.

ALLAKHVERDIAN, D. A., and others. [Finances of the U. S. S. R.] Finansy SSSR. Moskva, Gosfinizdat, 1962. 412 p.

ANDRIANOVA, Z. A. [Intelligentsia in the works of D. N. Mamin-Sibirsk of the years 1880 to 1890] Intelligentsiia v tvorchestve D. N. Mamina-Sibirskai 80-90-kh godov. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 74 p.

ARCHVADZE, SH. R., ed. [Materials on the economics and organization of agriculture near Tiflis. Materials po ekonomike i organizatsii sel'skogo khoziaistva Tbilisskoi prigorodnoi zony. Tbilisi] 1959. 342 p. [In Georgian]

ASHIN, G. K., and M. KH. IGITKHANIAN. [Ideas and life] Idei i zhizn'. [Moskva] Mosk. rabochi, 1962. 76 p. (Obshchestvennaya biblioteka po filosofii)

BAKUMENKO, P. I. [The Ukraine during the reconstruction of the national economy, 1921-1925] Ukrain'ska RSR v period vzbudovy narodnoho hospodarstva, 1921-1925 rr. [Kyiv] Vyd-vo Kyivs'koho univ., 1960. 105 p. (MH)

BALEVICHUS, ZIGMAS. [Workers in bourgeois Lithuania] Darbininku padetis burzuazineje Lietuvoje. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1960. 222 p. [In Lithuanian]

BEDANOVA, L. A. [Collectivization of agriculture in Archangel Province, 1927-1932] Kollektivizatsiia sel'skogo khoziaistva v Arkhangel'skoi oblasti, 1927-1932 gg. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1961. 56 p. (CST-H)

BEKKER, A. A., and G. M. AZARIN. [Work organization in a mixed brigade] Organizatsiia raboty kompleksnoi brigady. Moskva, Proftekhizdat, 1962. 56 p.

BELEVTSYEV, T. N. [Profitable mine work] Rentabel'naya rabota shakht. Moskva, Gosgortekhnizdat, 1962. 76 p. (Konkretnaya ekonomika dlia gornikov)

BILUKHIA, M. T. [Accounting in automotive transportation units] Obitk v aviotransportnykh hospodarstvakh. Kyiv, Derzhlekhvydav URSS, 1961. 239 p.

BLUMIN, I. G. [Criticism of bourgeois economics] Kritika burzhuaznoi politicheskoi ekonomii. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Criticism of modern British and American economics] Kritika sovremennoi angliiskoi i amerikanskoi politicheskoi ekonomii. 1962. 517 p.

BORISOV, G. B., and S. VASIL'EV. [Sverdlov Machine-Tool Plant; an outline history of the Sverdlov Machine-Tool Plant in Leningrad, 1867-1961] Stankostroitel'nyi Imeni Sverdlova; ocherk istorii Leningradskogo stankostroitel'nogo zavoda Imeni Sverdlova, 1867-1961 gg. [Leningrad] Lenizdat, 1962. 350 p. (Istoriia fabrik i zavodov Leningrada) (MH)

BREGEL', E. I. A. [Trade capital and trade profit. Loan capital and credit, and money circulation under capitalism] Torgovyi kapital i torgovaya pribyl'. Soudnyi kapital i kredit. Denezhnoe obrashchenie pri kapitalizme. Moskva, Izd-vo DMO, 1962. 141 p. (Lektsii po politicheskoi ekonomii, no. 8)

BUTORIN, I. M. [Statistics of the mechanization and electrification of agriculture] Statistika mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Moskva, Gosstatizdat, 1962. 120 p. (MH)

CHEPINOVA, V. P. [Accounting techniques and calculating machines] Tekhnika obchyslen' i lichyl'ni mashyny. Kyiv, Derzhavne vyd-vo sil's'kohospodars'koi lit-ry, 1961. 297 p. (Pidruchnyky ta uchbovi posibnyky dlia serednikh sil's'kohospodars'kykh uchbovykh zakladiv)

CHEREMUSHKIN, S. D., A. P. KLOPOTOVSKII, and M. V. MARKOVA. [Basic principles of the economic valuation of land] Osnovnye printsipy ekonomicheskoi otsenki zemli; materialy nauchno-issledovatel'skikh rabot. Moskva, Vses. nauchno-issl. in-t ekon. sel'. khoz., 1962. 79 p.

CHIDUROVA, A. S. [Theory and practice of propaganda] Teoriia i praktika razryvny. [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 30 p. (Biblioteka propagandista)

CHILIKIN, V. K. [The Altai Territory in the fifth five-year plan] Altaiskii krai v piatoi piatiletko. Barnaul, Altaiskoe knizhnoe izd-vo, 1954. 87 p.

[CONSUMERS' COOPERATIVES IN THE U. S. S. R.] Potrebitel'skii kooperatsiia SSSR. Moskva, Izd-vo Tsentrsofusa, 1962. 154 p. (chiefly illus.) [Parallel texts in Russian, English, French, and Spanish]

DAVIDOVICH, V. E. [Society and the individual] Obshchestvo i lichnost'. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 50 p. (Materialy k lekttsiiam po filosofii)

[A DAY IN THE CHUKCHI NATIONAL AREA] Den' Chukotki. [Magadan] Magadanskoe knizhnoe izd-vo, 1962. 126 p.

DINAMO, Moscow. [History of the Dynamo Plant] Istoriia zavoda Dinamo. [Moskva] Profizdat. Vol. 1. [The Dynamo Plant on the way to the October Revolution; a history of the plant] Dinamo na putiakh k oktiabriu; istoriia zavoda. 1961. 177 p.

(MH)

DMITRENKO, V. P., and others. [The flower and pride of the working class; the structure of the collectives of communist labor] Tsvet i gordost' rabochego klasa; o sostave kollektivov kommunisticheskogo truda. [Moskva] Mosk. rabochi, 1962. 85 p.

[THE ECONOMY OF SOCIALIST COUNTRIES IN FIGURES FOR 1961; concise statistics] Ekonomika stran sotsialisticheskogo lagoria v tsifrakh, 1961 god; kratkii statisticheskii sbornik. Moskva, Sotsotgiz, 1962. 236 p.

[ECONOMY OF SOCIALIST INDUSTRIAL ENTERPRISES; textbook] Sotsialisticheskie toostustvoetvotse ekonomika; opik. Tallinn, 1961. 435 p. [In Estonian]

EESTIMAA KOMMUNISTLIK PARTEI. Keskkomitee. Propaganda- ja Agitatsioonikond. [Fulfillment of the seven-year plan ahead of time. Translated from the Estonian] Semiletku dosrochno. Tallinn, Estonskoe gos. izd-vo, 1961. 260 p.

FARADZHEV, F. [Labor productivity in the agricultural machinery industry of the U. S. S. R.] Proizvoditel'nost' truda v sel'skokhoziaistvennom mashinostroenii SSSR. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1966. 202 p. (DNAL)

FIRSOV, A. A. [The Guinea Republic; its economy and foreign trade] Gvineiskaya Respublika; ekonomika i vneshnaya torgovlia. Moskva, Vneshtorgizdat, 1962. 58 p.

[FORTY YEARS OF AZERBAIJANI INDUSTRY; 1920-1960] Promyshlennost' Azerbaidzhana za 40 let; 1920-1960 gg. Baku, Azerbaidzhanskoe gos. izd-vo nefteoi i nauchno-tekhn. lit-ry, 1960. 133 p. plates, tables. (NNO)

[FORTY YEARS OF THE YAKUT A. S. S. R.] 40 let Iakutskoi ASSR. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 189 p. (MICROFILM)

[FROM ONE CONGRESS TO THE OTHER; a talk with B. T. Stantsov, agitator of the Riazan plant "Toplopribor."] Ot s'ezda k s'ezdu; beseda agitatora riazanskogo zavoda "Toplopribor" B. T. Stantsova. [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 16 p.

GALAN, IAROSLAV. [With a cross or with a dagger; political sketches] S krestom ili s nozhom; pamflety. Moskva, Goslitizdat, 1962. 117 p.

GAMARRA, PIERRE. [The hopes and torments of Spain. Translated from the French] Nadezhdy i muki Ispanii. Moskva, Izd-vo "Pravda," 1962. 65 p. (Biblioteka "Ogonek," no. 52)

[THE GEORGIAN S. S. R. Gruzinskaya SSR. Erevan, Armianskoe gos. izd-vo] 1961. 154 p. [In Armenian]

GERMAN, K. K. [Contribution of the labor class of White Russia to the collective farm village, 1953-1962] Rabochii klass BSSR - kollektivnoi derevne, 1953-1962 gg. Minsk, 1962. 32 p. (Obshchestvo po rasprostraneniui politicheskikh i nauchnykh znanii Belorusskoi SSR, no. 27)

- GILBERT, MILTON, and KRAVIS, IRVING. [An international comparison of national products price levels. Translated from the English] *Mezhdunarodnoe sravnenie natsional'nogo produkta i urovnia tsen.* Moskva, Gosstatizdat, 1962. 337 p.
- GOLOVIN, I. M. [The Soviet Union and Afghanistan; economic cooperation in practice] *Sovetskii Soiz i Afganistan; opyt ekonomicheskogo sotrudnichestva.* Moskva, Izd-vo vostochnoi lit-ry, 1962. 102 p.
- GOLOVIZNIN, V. A., and P. M. STYTS'KO. [Labor input and cost of concrete work in hydraulic engineering construction] *Trudomkost' i sebestoimost' betonnykh rabot v gidrotekhnicheskoi stroitel'stve.* Moskva, Gosenergoizdat, 1962. 160 p.
- GRINIUK, V. D. [Rely race of communism; notes on the first team of communist labor] *Estafeta kommunizma; zametki o pervykh kollektivnykh kommunisticeskogo truda.* [Moskva] Molodaa gvardia, 1960. 48 p.
- [HANDBOOK FOR THE LOGGING ENTERPRISE ECONOMIST] *Spravochnik ekonomista lespromkhozha.* Moskva, Gostekhnicheskii izdat, 1962. 201 p.
- HOMZYIN, DORYS. [Bolshevism, a specifically Russian phenomenon; from the diary of a man who lived among people who do not understand it, who don't want to, and who can't] *Bol'shevizm - orhanchno moskovskoe iavyshe; zi shchodennykh liudy, slcho li otchen-ja ne rozumilo, ne kioche, abo i ne mozho rozumity.* Hannover, ["Ukraina i svit"] 1967. 61 p. (BU)
- IGUMNOVA, Z. P. [The party in the struggle for the reconstruction of the national economy] *Partiya v bor'be za vosstanovlenie narodnogo khozlstva; lektsia.* [Moskva] Izd-vo Mosk. univ., 1962. 56 p.
- IKONNIKOV, V. V. [Monetary circulation and credit in the U. S. S. R.; Donozhnoe obrashchenie i kredit SSSR. Kollektiv avtorov pod rukovodstvom V. Ikonnikova. Moskva, Gosfinizdat, 1962. 470 p.
- [INDUSTRY OF THE AZERBAIJAN S. S. R.] *Azerbaidzhan SSR-in sanalal. Baky, Azerbaidzhan davlat nashritlaty, 1961. 103 p. [In Azerbaijani]*
- IUDANOV, I. I. [The struggle for markets in Western Europe] *Bor'ba za rynki v Zapadnoi Evrope.* Moskva, Sotsekgiz, 1962. 80 p.
- IUDENICH, N. V. [Introduce business accounting in construction brigades] *Stroitel'nyye brigady - na khozraschet.* Moskva, Gosstatizdat, 1962. 16 p. (V pomoshch' ekonomicheskoiu obrazovaniiu rabochikh, brigadirov i masterov-stroitel'ov)
- IVANOV, I. D., and I. A. SERGEEV. [Patents and licenses in the international capitalist trade] *Patenty i litsenzii v mezhdunarodnoi kapitalisticheskoi torgovle.* Moskva, Vneshnorgizdat, 1962. 90 p.
- IVANOV, V. P., and S. A. MORUCHIKOV. [Through the work of millions] *Trudom millionov.* Moskva, Izd-vo "Znanie," 1962. 30 p. (Novoe v zhizni, nauka, tekhnika. I Seriya; Istoriia, no. 1)
- KALININ, P. E. [Economics and production organization in heat-treatment workshops] *Ekonomika i organizatsiia proizvodstva v tormicheskikh tsakhakh.* Moskva, Mashgiz, 1962. 111 p.
- KALININ, PEDAGOGICHESKII INSTITUT. *Estestvenno-geograficheskii fakul'tet. [Nature and the economy of Kalinin Province] Priroda i khozlstvo Kalininskoi oblasti.* Kalinin, 1960. 663 p. (Ilg; Uchenye zapiski) (MI)
- KARAYAEV, A. P. [Spain; economy and foreign trade] *Ispania; ekonomika i vneshniala torgovlia.* Moskva, Vneshnorgizdat, 1962. 154 p.
- KARZEN, G. A. [Good fortune] *Shasti'e.* [Arkhangel'sk] Arkhangel'skoe knzhnoe izd-vo, 1962. 22 p. (Goroi nashikh dni)
- KASHIN, V. N. [Science and long-range planning] *Nauka i perspektivnoe planirovanie.* Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauka, tekhnika. III Seriya; Ekonomika, no. 1)
- KERTMAN, L. E. [Conflicting trends in the English labor and socialist movement in the late 18th and the early 20th century] *Bor'ba techenii v angliiskom rabochem i sotsialisticheskoi dvizhenii v kontse XIX - nachale XX vv.* Moskva, Vysshala shkola, 1962. 111 p. (V pomoshch' studentu-istoriku)
- KHOVANOV, N. P. [Comprehensive plan for improving work conditions] *Kompleksnyi plan uluchsheniia uslovii truda.* [Moskva] Profizdat, 1962. 62 p.
- KIRUSHCHEV, N. S. [The building of communism in the U. S. S. R. and the development of agriculture] *Stroitel'stvo kommunizma v SSSR i razvitie sel'skogo khozlstva.* Moskva, Gospolitizdat, Vol. 4. [May, 1959-February, 1961] Mai 1959 goda-fevral' 1961 goda. 1963. 478 p.
- KNYSH, IRENA. [Torch in the darkness; Natalia Kobryn'ska and the Ukrainian women's movement] *Smolaskyp u temravi; Natalia Kobryn'ska i ukrains'kyl zhinochyl rukki.* Z peredmovoiu Oleny Kysilev'skoi. Winnipeg, Nakladom avtorok, 1957. 302 p. [With summary in English] (CIY)
- KON'KOV, V. L., and L. V. LIUTIKOV. [How to organize work of the trade-union committee on a state farm] *Kak organizovat' rabotu profsloznogo komiteta v sovkhوزه.* [Moskva] Profizdat, 1962. 63 p. (Biblioteka sel'skogo profsloznogo aktivista, no. 6)
- KORNILOV, D. M., comp. [The economics and planning of Soviet cooperative trade] *Ekonomika i planirovanie sovetiskoi kooperativnoi torgovli; al'bom nagladnykh posobi.* Moskva, Izd-vo TSentrsozusa, 1961. [1] p. 82 L
- KOVALEV, G. N., and G. F. SHCHEBUNIAEV. [Wages in the building materials industry] *Oplata truda v promyshlennosti stroitel'nykh materialov.* [Moskva] Profizdat, 1962. 158 p.
- KOVALEVA, L. E. [Fathers and children] *Ottsy i deti.* Moskva, Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni, nauka, tekhnika. XI Seriya; Pedagogika, no. 1)
- KOVIKIN, N. M., and K. G. KUZAKOV. [Soviet Evenki National Area; a sketch of its economic geography] *Sovetskaiia Evonkia; ekonomiko-geograficheskii ocherk.* Pod obsheoi red. V. N. Uvchana. Moskva, Izd-vo Akad. nauk SSSR, 1963. 187 p.
- KOZKO, F. I., and I. M. PRIKLIIN. [The economics, organization and planning of production in coal mines] *Ekonomika, organizatsiia i planirovanie proizvodstva na ugo'nykh shakhtakh.* Moskva, Gosgortekhnizdat, 1962. 397 p.
- KRASAVIN, S. A., and I. A. ERMOLINSKII. [Analysis of the administrative operations of a logging enterprise] *Analiz khozlstvennoi deiatel'nosti lespromkhozha.* Moskva, Gosstatizdat, 1962. 146 p.
- KRASNIKOV, M. P., and S. H. TREHUDA. [Kharkov Province; a geographical sketch] *Kharkivs'ka oblast'; geografichnyi narys.* Kyiv, Radians'ka shkola, 1962. 101 p. (Oblasti Ukrainy'koi RSR)
- KUTTA, FRANTISEK. [Hidden potentialities for increasing labor productivity. Translated from the Czech] *Rezervy rosta proizvoditel'nosti truda.* S predisl. K. I. Kilmenko. Moskva, Izd-vo inostr. lit-ry, 1962. 249 p.
- KUZNETSOV, L. M. [Flags of peace over Finland] *Flagi mira nad stranou Suomi.* Moskva, Izd-vo "Znanie," 1962. 28 p. (Novoe v zhizni, nauka, tekhnika. X Seriya; Molodezhnina, no. 24)
- LAPIN, M. N. [V. I. Lenin on the material and moral incentives of labor] *V. I. Lenin o material'nykh i moral'nykh stimulakh k trudu.* Moskva, Ekonomizdat, 1962. 203 p.
- LIAPIN, A. P. [Communal labor and communism] *Obshchestvennyi trud i kommunizmi.* Moskva, Ekonomizdat, 1962. 157 p.
- LIEUVOS TER MASINU IR PRIETAISU GAMYDOS PRAMONES DARBUOTOJU EKONOMINE KONFERENCIJA, Vilnius, 1962. [Means of production in the machine and machine-tool industry of the Lithuanian S. S. R.] *Gamybos rezervai Lieuvos TER masinu ir prietaisu pramonėje.* Vilnius, 1962. 135 p. [In Lithuanian]
- LIUTIKOV, V. P. [Organizing the work of trade-union committees in factories] *Organizatsiia raboty komiteta profsloza na predpriatii.* [Moskva] Profizdat, 1961. 61 p. (Biblioteka profsloznogo aktivista, 20) (MI)
- MAGERRAMOV, D. A., and R. B. KAZYMOV. [We shall transform collective farms into high-commodity output profitable enterprises] *Kolkhoziary tuksek onteolik moshul veren rentabelii muessieloro chovimeli.* Baky, Azerneshr, 1962. 57 p. [In Azerbaijani]
- MAKAROV, V. V. [Nigeria; a sketch of the economy] *Nigeria; ekonomicheskii ocherk.* Moskva, Sotsekgiz, 1962. 142 p.
- MARTYNOV, N. S. [Rural soviets of Siberia in the struggle to achieve collectivization, 1933-1937] *Sel'skie Sovety Sibiri v bor'be za zavershenie kolektivizatsii, 1933-1937 gg.* Pod red. D. I. Nagruzova. Abakan, Khakasskoe knzhnoe izd-vo, 1961. 40 p. (MI)
- MARX, KARL, and FRIEDRICH ENGELS. [Collected works] *Sochinenia.* Izd. 2. Moskva, Gospolitizdat, Vol. 25. Pt. 2. [K. Marx, Capital, v. 3, book 3, pt. 2.]
- MAVRODI, V. I. [Communists of the Donets Basin in the struggle for the reconstruction of heavy industry during the Great Patriotic War, 1943-1945] *Kommunisty Donbassa v bor'be za vosstanovlenie tiazhelei promyshlennosti v gody Velikoi Otechestvennoi voyny, 1943-1945 gg.* [Moskva] Mosk. univ., 1962. 62 p. (CS-H)
- MESKAVSKAS, KAZIMERAS. [Industrialization of Soviet Lithuania] *Tarybu Lietuvos industrializavimas.* Vilnius, Valstybine politines ir mokslines literaturos loidykla, 1960. 261 p. [In Lithuanian]
- MIKHAILOV, A. T. [Proportion in production and how to achieve it under socialism and communism] *Proportional'nost' proizvodstva i sposobi ee dostizheniia pri sotsializme i kommunizme.* Leningrad, Ob-vo po rasprostraneniui polit. i nauchn. znaniu RSFSR, 1962. 58 p.
- MINIEV, V. A. [Economic bases of farming near cities] *Ekonomicheskie osnovy prigorodnogo sel'skogo khozlstva.* Moskva, Ekonomizdat, 1962. 333 p.
- MOSCOW. AKADEMIIA OBSSHCHESTVENNYKH NAUK. [Independent work program for students of one-year correspondence courses for rural propagandists; a guide for leaders of groups and seminars studying Marxist-Leninist philosophy] *Kond toligatelylnyrynnyi birnik glib i kursa dialekticheskoi mustegli ish programy; marksizm-leninizm filosofesini otrenon dernektorin ve seminarlaryn rehberleri uchun.* Baky, Azerbaidzhan KP MK-nyn Birleshmish nashritlaty, 1962. 20 p. [In Azerbaijani]
- MOSCOW. VYSSHAIA ZAOCNAIA SHKOLA PROFVIZHENIIA. *Kafedra profsloznogo dvizheniia. [Trade-union work with the masses] Organizatsiionno-massovaii rabota professional'nykh slozov.* Pod obsheoi red. P. S. Petrova. [Moskva] Profizdat, 1961. 214 p. (CU)
- MOSCOW. VYSTAVKA DOSTIZHENII NARODNOGO KHOZLSTVA SSSR. [The Exhibition of the Achievements of the National Economy of the U. S. S. R.] *Vystavka dostizhenii narodnogo khozlstva SSSR.* Moskva, Izd-vo "Iskusstvo," 1962. 1 v. (chiefly illus.) [Parallel texts in five languages]
- NAKHIMOV, I. I., and M. F. ZINGER. [Pioneer organization of Astrakhan Province] *Astrakhanskaiia pionerlia; stranitsy letopisi.* Astrakhan', Izd-vo "Volga," 1962. 102 p.
- [THE NATIONAL ECONOMY OF THE R. S. F. S. R. in 1961; statistical yearbook] *Narodnoe khozlstvo RSFSR v 1961; statisticheskii ozhegodnik.* Moskva, Gosstatizdat, 1962. 623 p.
- [NATIONAL ECONOMY OF THE SOCIALIST COUNTRIES IN 1961; reports of the Central Statistical Administration] *Narodnoe khozlstvo sotsialisticheskikh stran v 1961 godu; soobshcheniia TsSU.* Moskva, Ekonomizdat, 1962. 176 p.
- [MICROFILM]
- NAUCHNAIA SESSIA POSVYASHCHENNAIA NOVYM OBSSHCHESTVENNYM IAVLENIAM I PROTSESAM NA SOVREMENNOM ETAPF KOMMUNISTICHESKOGO STROITEL'STVA V SSSR. *Kharkov, 1960. [Now social phenomena and processes at the present stage of communist construction in the U. S. S. R.] O novykh obshchestvennykh iavleniakh i protsessakh na sovremennom etape kommunisticeskogo stroitel'stva v SSSR; doklady i vystupleniia.* Khark'ov, Izd-vo Khark'ovskoi gosstatizdaty, 1960. 100 p.

- NOVOSELOV, P. I. [Issuing credit to commercial organizations] Kreditovanie torgovykh organizatsii. Moskva, Gosfinizdat, 1962. 93 p. (V pomoshch' bankovskomu rabotniku) (MH)
- OBLASTNOI SEMINAR PROPAGANDISTSKIKH RABOTNIKOV NA TEMU "IDEOLOGICHESKAYA RABOTA I UTVERZHDENIE PEREDOVOGO OPYTA V SEL'SKOM KHOZIAISTVE," 1962. [Experience educates and leads forward] Opyt vospityvaet, opyt vedet vpered; materialy. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 223 p.
- OBSHCHESTVO PO RASPROSTRANENIU POLITICHESKIKH I NAUCHNYKH ZNANIY RSFSR. Leningradskoe otdelenie. [For communist labor] Za kommunisticheskiy trud. Leningrad, 1962. 371 p.
- OVSYANNIKOV, M. G. [The organizing power of technological progress] Organizatsionnaya sila tekhnicheskogo progressa. Moskva, Mashgiz, 1961. 109 p. (Biblioteka mashinostroyeniya. Seriya: Peredovaya tekhnika, osnova kommunisticheskogo truda, no. 1)
- PANOVA, E. A. [The rights of workers' committees on state farms] Prava rabochikh komitetov sovkhovov. [Moskva] Profizdat, 1962. 53 p. (Biblioteka sel'skogo proizvodnogo aktivista, no. 9)
- PARFANOVYCH, SOFIA. [Man and woman; sexual life and venereal diseases] Chelovik i zhinka; pro statevo zhytiya i statevi khvoroby. 3. vyprav. i dop. vyd. z malenkiymi. Augsburg, Naki. Pylpa Volchuka, 1946. 31 p. (IU)
- PARKHOMENKO, V. G. [Introduction to manufactured goods] Vvedenie v tovarovedeniye promyshlennyykh tovarov. Izd. 2., dop. i perer. Moskva, Gosstroiizdat, 1962. 142 p.
- PAROMOV, M. IA. [Methodology for conducting lessons in economics study groups and seminars] Metodika provedeniya zaniatiy v ekonomicheskikh kruzhkakh i seminarakh. [Moskva] Mosk. rabochii, 1962. 102 p.
- PAROMOV, M. IA. [Planning costs of construction and assembly work] Planirovaniye sebestoimosti stroitel'no-montaznykh rabot. Moskva, Ekonomizdat, 1962. 103 p. (V pomoshch' ekonomistu i planoviku)
- PASHAEV, N. A. [Scientific and cultural contacts of Transcaucasian republics] Zagafaziya respublikal'nykh elmi ve medeni elageleri. Baki, Azerbeshir, 1962. 86 p. [In Azerbaijani]
- PASHECHKINA, Z. M. [Problem of the employment of women in the U.S.S.R.] Problema zhenskogo truda v SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1961. 100 p. (NN)
- PAVLOV, I. V. [Development of democracy on collective farms during the period of the large-scale building of communism] Razvitiye kolkhoznol demokratiy v period razvernutoy stroitel'stva kommunizma. Moskva, Gosizdat, 1962. 203 p.
- PAVLOV, V. I. [Imperialism and the economic independence of India] Imperializm i ekonomicheskaya samostoiatel'nost' Indii. Moskva, Izd-vo vostochnol lit-ry, 1962. 229 p.
- PERESLEGIN, V. I. [Regime of economy in the industry of the U.S.S.R.] Rezhim ekonomii v promyshlennosti SSSR. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 474 p.
- PROKHOROV, V. I. [Trade unions and the creative initiative of the masses] Profsoyuzy i tvorcheskaya initsiativa mass. [Moskva] Profizdat, 1961. 61 p. (Biblioteka profsoyuznogo aktivista, no. 16) (CLU)
- PROTSAL, F. I. [Economics and production organization in underground hydraulic coal mining] Ekonomika i organizatsiya proizvodstva pri podzemnoi gidrodobychu uгля. Moskva, Gosgortekhzdat, 1962. 226 p.
- PULATOV, KH. P. [Long range for the development of collective-farm property] Kolkhoz mulkni rivozhlan-tirish perspektivalari. Toshkent, "Kizil Uzbekiston," "Pravda Vostoka" va "Uzbekiston Surkhi" birlashgan nashriyati, 1961. 30 p. [In Uzbek] (DNAL)
- RADUSHIKEVICH, D. E. [Trade-union work on state farms] Profsoyuznaya rabota v otdelenii sovkhova. [Moskva] Profizdat, 1961. 44 p. (CLU)
- RAMAZANOV, F. F. [Inculcating the principles of scientific communism in young people] Kechkerin elmi duniaqorushunni formalashmasi. Baki, Ushagkench-neshir, 1962. 39 p. [In Azerbaijani]
- [REFERENCE BOOK ON THE ADMINISTRATIVE AND TERRITORIAL DIVISIONS OF L'VOV PROVINCE AS OF SEPTEMBER 1, 1960] Dovidnyk administrativno-terytorial'nogo podilu L'viva 'koloblasti' na 1 veresnia 1960 r. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1960. 131 p.
- RODONAIA, N. S. [Tulisi industry during the second half of the 19th century; the post-reform period. Promyshlennost' G. Tbilisi vo vtoroi polovine XIX veka; poreformennyy period. Tbilisi, Izd-vo AN Gruzinskoi SSR, 1961. 151 p. [In Georgian]
- ROZALIEV, IU. N. [Characteristics of the development of capitalism in Turkey, 1923-1960] Osobennosti razvitiya kapitalizma v Turtsii, 1923-1960 gg. Moskva, Izd-vo vostochnol lit-ry, 1962. 354 p.
- RUSSIA (1923- U.S.S.R.) Tsentral'noe statisticheskoe upravleniye. [Accounting on collective farms changed over to monetary wages without computing workdays or to guaranteed wages based on workdays] Bukhgalterskiy uchët v kolkhozakh, pereshedshikh na denozhnyuyu oplatu truda bez nachisleniya trudodnei ili na garantirovannuyu oplatu trudodnei. Moskva, Gosstatizdat, Pis. 1-2, 1962.
- SHAKHNAZAROV, G. KIL, and others. [Social science] Obshchestvovedeniye; uchebnyk dlia vyysshnogo klassa srednei shkoly i srednikh spetsial'nykh uchelnykh zavedeni. Moskva, Gospolitizdat, 1963. 382 p.
- SHAKIRZADE, A. S. [Work before and today] Emek kechmishdo va indi. Baki, Azorbalcham Ushag ve Kechker Edoblitaty Neshritaty, 1962. 61 p. [In Azerbaijani]
- SHEVIAKOV, F. N. [Ideologists of West-German imperialism; neoliberalism and its reactionary essence] Ideologi zapadnogermanskogo imperializma; neoliberalizm i ego reaktionnaya sushchnost'. Moskva, Sotsekgiz, 1962. 173 p.
- SHINDEL, B. M. [The Soviet trade of Tajikistan in the seven-year plan, 1959-1965] Sovetskaya trgovlya Tadzhikistana v semiotke, 1959-1965. Stalinabad, Tadzhgosizdat, 1960. 15 p.
- SHISTER, E. L. [Intra-plant cost accounting and savings from volunteer labor] Vnutrizavodskoi khozraschet i ekonomiya obshchestvennogo truda. Moskva, Ekonomizdat, 1962. 129 p.
- SHUL'MAN, N. K. [The Zoya River and its future] Reka Zeya i ee budushches. [Blagoveshchensk-na-Amure] Ob-vo po raspr. polit. i nauchn. znani RSFSR. Amurskoe obl. otd-nto. [1962] 30 p. (MICROFILM)
- SHURTAKOV, S. I. [France at close range] Frantsiya vblizi. [Moskva] Izd-vo "Molodaya gvardiya," 1962. 100 p.
- "SOIUZMASHUCHET," Moscow. [Articles on the mechanized processing of statistical data at machine-accounting centers] Sbornik statel o mekhanizirovanoi razrabotke statisticheskikh dannykh na mashinoshetnykh stantsiyakh. Moskva, Gos. stat. izd-vo, 1960. 201 p. (NNC)
- SOKOLOV, I. A. [Without manual labor] Bez ruchnogo truda. Moskva, Izd-vo "Znanie," 1963. 48 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no. 2)
- [SOVIET UKRAINE; figures and diagrams] Radians'ka Ukraina; tsyfy i diagramy. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 125 p.
- [STATISTICAL STUDY OF LABOR PRODUCTIVITY AND THE UNCOVERING OF ITS POTENTIALS IN AGRICULTURE] Nekotorye voprosy statisticheskogo izucheniya i vylavleniya rezervov proizvoditel'nosti truda v sel'skom khoziaistve. [By] F. G. Dolgushevskii i dr. Moskva, Gosstatizdat, 1962. 189 p.
- STEPYNIN, V. A. [Colonization of the Yenisey Government in the period of capitalism] Kolonizatsiya Eniseiskoi gubernii v epokhu kapitalizma. Krasnolarsk, Krasnolarskii gos. pedagog. in-t, 1962. 561 p.
- STOLPOVSKII, B. G. [The German Democratic Republic is building socialism] GDR stroit sotsializm. Moskva, Gospolitizdat, 1962. 93 p.
- STRUK, D. S., ed. [Original] Oryginal. Boston, Mass. Ukrainian-Speaking Club, 1962. 1 v. (MH)
- SURGAPOV, A. K. [Toward a decisive goal] Na reshalushchem rubezhe. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1961. 120 p. (MH)
- SVETLOV, V. S. [Technical progress and working personnel in construction] Tekhnicheskii progress i rabochie kadry v stroitel'stve. Moskva, Gosstroiizdat, 1962. 107 p.
- [THE UKRAINIAN S.S.R. IN FIGURES; a brief statistical reference book] Ukraina SSSR v tsyfrakh; korotkiy statystichnyi dovidnyk. Kyiv, Derzh. stat. vyd-vo, 1962. 269 p.
- [THE ULAN-UDE GLASS FACTORY IS 25 YEARS OLD; a historical and economic account] 25 let Ulan-Udenskoi stekol'noy zavodu; istoriko-ekonomicheskii ocherk. [By] Tamara Ivanovna Gorbatenko, i dr. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1961. 176 p. (MH)
- UMANSKII, L. M. [Ways to reduce costs in the petroleum-producing industry] Puti snizheniya sebestoimosti v nefteobrabatovushchei promyshlennosti. Moskva, Gosstektizdat, 1962. 157 p.
- TALLINN. EESTI MAAVILJELUSE JA MAAPARAN-DUSE TEADUSLIKU UURIMISE INSTITUUT. [Preparation of technical information cards on collective and state farms of the Estonian S.S.R.; methodological instructions and examples of cards] Tehnologiliste kaartide koostamine Eesti NSV kolhoosides ja sovhoosides; metodoloogiline juhend ja naidiskandid. Tallinn, Eesti Riiklik Kirjastus, 1962. 73 p. [In Estonian]
- TAVROV, IA. M. [Time for work and time for leisure] Vremia rabochey i vremia svobodnoy. Moskva, Gospolitizdat, 1961. 29 p. (Kommunizm i chelovek) (CSI-H) (MH)
- TESLENKO, IU. G. [Two state farms and two results] Dva sovkhova - dva rezul'tata. [Moskva] Mosk. rabochii, 1962. 60 p.
- TODORSKII, A. I., and IU. A. ARBATOV. [The great in the small] Bol'shoe v malom. Moskva, Gospolitizdat, 1961. 113 p. (Stranitsy nashel zhizni)
- TROSHEV, N. I. [Development and distribution of productive forces of the RSFSR from 1959 to 1965] Razvitiye i razmeshcheniye proizvoditel'nykh sil RSFSR v 1959-1965 godakh. Moskva, Ob-vo po rasprostraneniyu polit. i nauchn. znani RSFSR, 1959. 38 p. (NNC)
- TURCHANINOV, D. I. [The All-African Federation of Trade Unions] Vseafrikanская federatsiya profsoyuzov. [Moskva] Profizdat, 1962. 69 p.
- URLANIS, B. TS. [General theory of statistics] Obshchaya teoriya statistiki; kurs lektsii. Moskva, Gosstatizdat, 1962. 495 p.
- VASIL'EV, V. G. [Incentive awards for conscientious work] Pooshcheniye za dobrosovestnyi trud. [Moskva] Mosk. rabochii, 1962. 57 p. (Osnovy ekonomicheskikh znani - kazhdomu rabochemu)

- VELICHAI, P. L. [The party conference at Prague] Praz'ska partinina konferentsiia. Kyiv, Derzh. vyd-vo polit. lit-ry, 1962. 65 p. (CST-H)
- VETLANIN, V. A. [France and West Germany in the "Common Market."] Frantsiia i Zapadnaia Germaniia v "obshchem rynke." Moskva, Izd-vo IMO, 1962. 208 p.
- VINOGRADOV, A. N. [Cost planning in construction; based on practice in housing construction] Planirovaniye sebstoimosti v stroitel'stve; na opyte zhilishch-nogo stroitel'stva. Moskva, Gosfinizdat, 1962. 168 p.
- VINOKUR, S. I., A. MOGILEVICH, and A. SHAKHMAGON. [Control of trade unions over the application of the law abolishing taxes on wages] Kontrol' profsoyuzov za vypolneniem zakona ob otmene nalogov n zarabotnoi plati. Moskva, Profizdat, 1961. 66 p. (Bibliotekha profsoyuznogo aktivista, no. 12) (CLU)
- VISHNIAKOV, A. S. [Marxist-Leninist theory of classes and the class struggle] Marksistsko-leninskoe ucheniye o klassakh i klassovoi bor'be. Moskva, Vysshaya shkola, 1962. 71 p.
- VITASHEVSKAYA, M. N. [The old Russian postal service] Starinaya russkaya pochta. [Moskva] Svyaz'izdat, 1962. 78 p.
- VSESOIUZNOE SOVESHCANIE PEREDOVYKH SOREVOVANIYA BRIGAD I UDARNIKOV KOMMUNISTICHESKOGO TRUDA, Moscow, 1960. [Toward the victory of communist labor] K pobede kommunisticheskogo truda. Moskva, Tek VIKSM-VTSBP, 1960. 317 p. (NNC)
- [WE ARE BUILDING COMMUNISM] My stroim kommunizm [Red. kol.: K. N. Gullacov i dr. Volodga] Volgodskoe knizhnoe izd-vo, 1962. 348 p. (MI)
- ZAKHVALAEV, P. V. [Balance of the incomes and expenditures of construction organizations; calculation methods and preparation procedures] Balans dokhodov i raschodov stroitel'nykh organizatsii; metody raschetov i podgotovki sostavleniya. Moskva, Gosfinizdat, 1962. 167 p.
- ZDOROVETS, GALINA, comp. [She who rules the Mountain Land; materials of the 8th Congress of Women of Dagestan, sketches of delegates to the Congress, articles on problems of the women's movement, statistical data on participation of women of the Soviet Union and of Dagestan in cultural and economic construction] Khozhatka strany gor; materialy raboty 8-go s'ezda zhenahchin Dagestana, ocherki, zarisovki o delegatkh s'ezda, stat'i po voprosam zhenskogo dyzheniya, statisticheskie dannye ob uchastii zhenshchin Sovetskogo Soyuza i Dagestanskoi ASSR v kul'turnom i khozhaistvennom stroitel'stve. [Makhachkala, Dagestanskoe knizhnoe izd-vo, 1961] 326 p. (MI)
- ZHAMIN, V. A., and others. [The economy of foreign countries; the capitalistic system of the world economy after the Second World War] Ekonomika zarubezhnykh stran; kapitalisticheskaya sistema mirovogo khozhaistva posle Vtoroi Mirovoi voyny. Pod red. V. A. Zhamina. Moskva, Vysshaya shkola, 1962. 632 p.
- ZHURAVLEV, V. V. [Social and individual consciousness] Oshcheshchestvennoe i individual'noe soznaniye. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. II Seriya: Filosofiya, no. 1)
- ZLOBINA, V. M. [How the Communist Party managed industrial enterprises and their party organizations in the early years of the New Economic Policy] Rukovodstvo Kommunisticheskoi partii promyshlennymi predpriyatiyami i proizvodstvennymi uchastkami v pervye gody NEPa. [Moskva] Izd-vo Mosk. univ., 1962. 69 p.
- ## 6. POLITICAL SCIENCE
- [ADMINISTRATIVE AND TERRITORIAL DIVISIONS OF THE AZERBAIJAN S.S.R. AS OF JANUARY 1, 1961] Azerbaidzhan'skaya SSR; administrativno-territoriin'noe deleniye na 1 yanvaria 1961 goda. Baku, Azerbaidzhan'skoe gos. izd-vo, 1961. 279 p.
- AGAIEV, A. G. [As one family] V edinoi sem'ye. Moskva, Gospolitizdat, 1962. 68 p. (Moral'nyy kodeks stroitel'sta kommunizma)
- ARKAD'EV, N. N. [General disarmament, the way to enduring peace] Vseobshcheye razoruzenie, put' k prochnomu miru. Moskva, Gospolitizdat, 1962. 62 p. (Bibliotekha vneshnei politiki SSSR) (MI)
- AVDEEV, I. I., and V. N. STRUNNIKOV. [The bourgeois state during the 1918-1930 period] Burzhuaznoe gosudarstvo v period 1918-1930 gg. Moskva, Izd-vo In-ta mezhduarodnykh otnoshenii, 1962. 433 p.
- BAGIROV, N., and others. [The 22d Congress of the CPSU is a congress of the builders of communism. Sov. IKP XXII guruhaty kommunizm guruchlary gurultadyr. Baky, Azerbaidzhan SSR silasi vo elmi bilikler talan chemillet] 1962. 102 p. [In Azerbaidzhan] (MI)
- BOGDANOV, P. E. [Party work is a creative activity] Partinaya rabota - delo tvorcheskoe. Moskva, Sovetskaya Rossiya, 1962. 106 p. (Resheniya XXII s'ezda KPSS - v zhizni)
- [BORN OF LIFE: a yearbook of the Communist Youth League] Narodzheniye zhizni; Kommunisticheskii shkol'nik. Kyiv, Vyd-vo "Molod," 1962. 330 p.
- CHADOV, B. S. [From border to border; work practices of the Grozny District party organization] Ot rubezha k rubezhu; iz opyta raboty Groznenskoi rayonnoi partinnoi organizatsii. [Groznyi] Checheno-ingushskoe knizhnoe izd-vo, 1961. 40 p. (Bibliotekha partinogo rabotnika) (MI)
- CHEKALIN, M. V. [Communism and the nation] Kommunizm i natsiya. Leningrad, Ob-vo po rasprostraneniyu polit. i nauchn. znaniy RSFSR, 1962. 62 p.
- CHEVDAR, ERAST. [Freedom is dearer than life; sketches on present-day subjects] Svoboda dorozhe zhizni; ocherki na sovremennye temy. Brooklyn, 1962. 135 p.
- COX, IDRIS. [Empire today. Translated from the English] Imperiya segodnya. [Pod red. I. A. Arkad'skogo]. Moskva, Izd-vo vostochnoi lit-ry, 1962. 80 p. (CU)
- [DEPUTIES OF THE SIXTH SUPREME SOVIET OF THE U.S.S.R.] Deputaty Verkhovnogo Soveta SSSR; shestoi sozyv. Moskva, Izd-vo "Izvestiya Sovetov deputatov trudiashechikh SSSR," 1962. 627 p.
- EVDOKIMOV, V. I. [Political education is the decisive factor in propaganda work] Politicheskoe prosveshcheniye-reshalushcheye zveno propagandistskoi raboty; lektsii, pochitaniye v Vysshei partinnoi shkole pri TsK KPSS. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 37 p. (Partinnoe stroitel'stvo; Kurs lektsii)
- FEDOROV, V. F. [On the road to independence; some problems concerning the development of the countries of Southeastern Asia] Dorogol nezavisimosti; o nekotorykh problemakh razvitiya stran Iugo-Vostochnoi Azii. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Mezhduarodnaya, no. 1)
- [FOREIGN POLICY OF THE SOVIET UNION AND INTERNATIONAL RELATIONS, 1961; a collection of documents] Vneshniaya politika Sovetskogo Soyuza i mezhduarodnye otnosheniya, 1961 god; sbornik dokumentov. Moskva, Izd-vo In-ta mezhduarodnykh otnoshenii, 1962. 537 p.
- GASIEV, VIKTOR. [First generation; from the history of the Communist youth organization Spartak in South Ossetia, 1919-1921] Pervoe pokoleniye. [Iz istorii kommunisticheskoi organizatsii Spartak v Iuzhnoi Osetii, 1919-1921 g.] Stalin, Gosizdat Iugo-Osetii, 1960. 163 p. [In Osetia] (MI)
- GOLOVKO, A. A. [Permanent committees of a rural soviet in action; from the practice of the permanent committees of the Shchemyslitsy rural soviet in the Minsk District of the Minsk Province] Postolnnyye komissii sel'skogo Soveta v deystvii; iz opyta raboty postolnnykh komissii Shchemyslitskogo sel'skogo Soveta Minskogo rayona Minskoi oblasti. Moskva, Gosizdat, 46 p.
- [HANDBOOK FOR LOCAL SOVIET PERSONNEL] Spravochnik sovetskogo rabotnika. Pod obshchey red. S. M. Kumanbaeva. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 638 p.
- [HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION] a visual aid in four volumes [Istoriya Kommunisticheskoi partii Sovetskogo Soyuza; nagladnoye posobie v chetyrekh vypuskakh. Moskva, Gospolitizdat. No. 1. [1983-February 1917] 1883 g.-fevral' 1917 g. 1962. 188 p. (chiefly illus.)
- ILNYTZKYI, ROMAN. [The Organization of Ukrainian Nationalists in the Ukraine. The Organization of Ukrainian Nationalists abroad and the Foreign Bureau of the Organization of Ukrainian Nationalists; a history of the organization of the Ukrainian nationalist movement] Organizatsiia ukrains'kikh natsionalistiv v Ukraini. Organizatsiia ukrains'kykh natsionalistiv zakordonom i ZChOUN; prychnyok do istorii ukrains'koho natsionalisticheskoho rukhu. New York [Vyd. Politychnoi rady odnochumtisy OUN v SShA] 1962. 116 p. (InU)
- IVANOV, V. A. [How our people govern their state] Kak nash narod upravlyaet svoim gosudarstvom. Leningrad, Ob-vo po rasprostraneniyu polit. i nauchn. znaniy RSFSR, 1962. 68 p.
- KACHARAVA, V. IA. [Work with the intelligentsia is a permanent task of the party organizations. Rabota s intelligentsiei - postoiannaya zadacha partinykh organizatsii. Tbilisi, Gos. izd-vo "Sabchola Sakartvelo"] 1962. 86 p. [In Georgian]
- KALITS, JOHANNES. [Socialist patriotism and internationalism] Sotsialisticheskiy patriotizm i internatsionalizm. Tallinn, Eesti Riiklik Kirjastus, 1962. 50 p. (Eesti NSV Poliitiliste ja Teaduslaste Teadmiste Levitamise Uhing, no. 300) [In Estonian]
- KAMENSKAYA, N. V., and M. E. SHKLIAR. [The Communist Party of White Russia on the glorious path of struggle and victories] Slavnyi put' bor'by i pobed Kompartii Belorussii; k 60-letiyu KPSS. Minsk, 1962. 39 p. (Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy Belorusskoi SSR, no. 22)
- KASYMOV, S. M. [Urban soviets of workers' deputies in Tajikistan at present] Gorodskie Sovety deputatov trudiashechikh Tadzhikistana na sovremennom etape. Pod obshchey red. Radzhabova, S. A. Stalinabad, 1961. 202 p. (CST-II)
- KENKYUSHA KONDANKAL. [The new Japanese-American "security treaty." Abridged translation from the Japanese] Novyi iapon-amerikanskii "dogovor bezopasnosti." Red. N. F. Papisov. Moskva, Izd-vo Inostr. lit-ry, 1962. 101 p.
- KHACHATUROV, KAREN. [Uruguay today] Urugvaj segodnya. Moskva, Izd-vo In-ta mezhduarodnykh otnoshenii, 1962. 174 p.
- KOMMUNISTICHESKAYA PARTIYA GRUZII [Tsentral'nyi komitet]. [Report of the Central Committee of the Communist Party of Georgia to the 20th Congress of the Communist Party of Georgia, delivered by V. P. Mzhavanadze, January 25, 1960. Resolution of the 20th Congress of the Communist Party of Georgia] Otchetnyi doklad Tsentral'nogo komiteta KP Gruzii XX s'ezdu Kompartii Gruzii; doklad V. P. Mzhavanadze, 25 yanvaria 1960 goda. Resolutsiya XX s'ezda Kompartii Gruzii. Tbilisi, Izd-vo TsK KP Gruzii, 1960. 96 p. (NNC)
- KOMMUNISTICHESKAYA PARTIYA SOVETSKOGO SOYUZA. Rostovskii oblastnoi komitet. Otdel propagandy i agitatsii. [Calling to new achievements] Vpered zhovushchaya; v pomoshch' partinym organizatsiyam. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 92 p.
- KONDRATEV, V. V. [Greece] Gretsiya. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Mezhduarodnaya, no. 3)
- KRAVTSYEV, I. E. [Development of nationality relationships in the U.S.S.R.] Razvitiye natsional'nykh otnoshenii v SSSR. Kiev, Izd-vo Akad. nauk USSR, 1962. 116 p. (Problemy kommunisticheskogo stroitel'stva v svete reshenii XXII s'ezda KPSS) (CST-II)
- KUDYKIN, V. P. [A propagandist is also an organizer and educator] Propagandist-organizator i vospitatel'. [Moskva] Mosk. rabochii, 1962. 57 p.
- KUL'KOV, I. I. [Bankruptcy of the economic plans of the "cold war." Bankrotstvo ekonomicheskikh planov "kholodnoi voyny." Moskva, Ekonomizdat, 1962. 177 p.
- KURBATOVA, G. I. [V. I. Lenin's book "The state and the revolution." O knige V. I. Lenina "Gosudarstvo i revoliutsiya." Moskva, Gospolitizdat, 1962. 70 p. (Konsul'tatsii po istorii KPSS)
- KUZNETSOV, B. P. [Faithful defenders of the interests of peasant masses] Vornye zashchitniki interesov krest'ianskikh mass. Moskva, Gospolitizdat, 1962. 76 p.

- LARIN, V. [American monopolies in Africa] *Amerikan-skie monopolii v Afrika*. Moskva, Izd-vo In-ta mezhduarodnykh otnoshenii, 1962. 80 p.
- LENINGRAD, INSTITUT ISTORI PARTII. [Essays on the history of the Leningrad Organization of the CPSU] *Ocherki istorii Leningradskoi organizatsii KPSS*. [Leningrad] Lenizdat, Pt. I. [1883 to October 1917] 1883-oktiabr' 1917 g.g. 1962. 807 p.
- MAGYAR SZOCIALISTA MUNKASPART. *Kozponthi Bizot-sag*. [Report of the Central Committee of the Hunga-rian Socialist Workers' Party to the Eighth Congress of the party] *Otchetnyi doklad Tsentral'nogo Komiteta Vengerskoi sotsialisticheskoi rabochei partii VIII s'ezdu partii* [By: Janos Kadar]. Moskva, Gos-politizdat, 1963. 78 p.
- [METHODS FOR TEACHING THE HISTORY OF THE CPSU IN CORRESPONDENCE INSTITUTES] *Metodika prepodavaniia istorii KPSS v zaochnykh vuzakh*. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 230 p.
- [MOBILIZING ALL FORCES FOR THE FULFILLMENT OF THE RESOLUTIONS OF THE MARCH PLENUM OF THE CENTRAL COMMITTEE OF THE CPSU. Vse sily na vypolnenie reshenii Martovskogo plenuma TSK KPSS; sbornik statei. Tbilisi, Izd. Ob-va po rasprostraneniui polit. i nauchn. znanii Gruzinskoi SSR.] 1962. 114 p. [In Georgian]
- MOLDAVIAN S.S.R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Moldavian S.S.R., fifth session, March 23-24, 1961; verbatim report. *Shedintsele Sovietului Suprem al RSS Moldovenești de lezislatura a cincea (sesia a cincea) 23-24 martie 1961; dare de știri stenografice*. Kishineu, Editura de stat "Kartia moldovenească," 1961. 151, 140 p. [Parallel texts in Moldavian and Russian]
- MOROZOV, M.A. [Organization of mass political education among workers] *Organizatsiia massovo-politicheskoj raboty sredi trudiaschichkhia; lektsiia, prochi-taniia v Vysshei partinnoi shkole pri TsK KPSS*. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 29 p. [Partinnoe stroitel'stvo: Kurs lektsii]
- MOSHCHEVITIN, A.D. [Selection and training of leaders] *Podbor i vospitanie rukovodiaschikh kadrov*. [Moskva] Mosk. rabochii, 1962. 42 p.
- MOSKOVSKII, V.P. [The party of all the nation; talks about the CPSU] *Partiia vsego naroda; besedy o KPSS*. Moskva, Gospolitizdat, 1962. 47 p.
- NADTOCHEEV, D.I. [Road to the future] *Put' v griadushchee*. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. I Seria: Istoriia, no. 2)
- NASTROV, V.G., and G.I. SHIRALIEV. [The 20th century is the age of victorious communism] *XX ear komunizma tentenest esiridir*. Baky, Azerneshr, 1961. 101 p. [In Azerbaijani]
- NILOV, A.V. [The communal communist self-govern-ment] *K obshchestvennomu kommunisticheskomu samoupravleniiu; v pomoshch' izuchaiushchim Pro-grammu KPSS*. [Kalinigrad] Kalinigradskoe knizh-noe izd-vo, 1962. 35 p. (Kommunizm - delo nashikh ruk)
- OFITSEROVA, O.D. [We shall live under communism] *Nam pri komunizme zhit'*. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 30 p.
- OIZERMAN, T.I. [Anticommunism is a manifestation of the crisis in bourgeois ideology] *Antikommunizm - vyrazhenie krizisa burzhuaznoi ideologii*. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. II Seria: Filosofii, no. 2)
- PARRAGI, GYÖRGY. [Fascism in evening dress and in military uniform. Translated from the Hungarian] *Fashizm vo frake i mundire*. Predisl. N. Pollanova. Moskva, Voenizdat, 1962. 170 p.
- ROZIN, L.M., and F.S. RAZARENOV. [Administrative commissions attached to the executive committees of the district and city soviets of workers' deputies] *Administrativnye komissii pri ispolkomakh raionnykh i gorodskikh Sovetov deputatov trudiaschichkhia*. Moskva, Gosurizdat, 1962. 55 p.
- RZAEV, D.S. [Voluntary participation in party work; from the experience of the party organization of the Okt'yabr'skiy District of Baku city] *Ishetizn i chitimat esashlar uzre korulmet; Baky sheheri Oktiabr rayon partiia teshkilatynyn ish tochrubestinden*. Baky, Azor-nashr, 1962. 38 p. [In Azerbaijani]
- SAUSHKIN, N.M. [Personality cult and authority] *O kul'te lichnosti i avtoritete*. Moskva, Gospolitizdat, 1962. 47 p. (Konsul'tatsii po istorii KPSS)
- SHCHEDROV, I.M. [South Vietnam today; Ngo Dinh Diem's regime and the national liberation movement, 1954-1962] *Iuzhnyi V'etnam segodnia; rezhim Ngo-Din'-Z'ema i natsional'no-osvoboditel'nos dvizhenie, 1954-1962*. Moskva, Izd-vo vostochnoi lit-ry, 1962. 253 p.
- SIDEL'NIKOV, S.M. [Establishment and work of the First Duma] *Obrazovanie i delatelnost' Pervoi Gosu-darstvennoi Dumy*. [Moskva] Izd-vo Mosk. univ., 1962. 380 p.
- [SOVIET MAN IS AN INTERNATIONALIST] *Sovetskii chelovek - internationalist*. Moskva, Gospolitizdat, 1962. 77 p. (Moral'nyi kodeks stroitel'stva kommunizma)
- STAROVOTOV, N.G. [How to organize and conduct elec-tions to the supreme soviets of the Union and Autono-mous Republics and the local soviets of workers' depu-ties] *Porядok organizatsii i provedeniia vyborov v Verkhovnye Sovety soizuznykh i avtonomnykh respublik i mestnye Sovety deputatov trudiaschichkhia*. Moskva, Gosurizdat, 1963. 70 p.
- TIURIN, D.I. [Membership in the CPSU] *Chlenstvo v KPSS; lektsii, prochi-taniia v Vysshei partinnoi shkole pri TsK KPSS*. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 78 p. [Partinnoe stroitel'stvo: Kurs lektsii]
- UKRAINE. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Ukrainian S.S.R., fourth ses-sion, December 27-28, 1960; verbatim report] *Zasi-dannia Verkhovnoi Rady Ukrainy'koi SSR, platioho sklykannia; chetverta sesia (27-28 hrudnia 1960 roku). Stenografichnyi zvit*. Kyiv, Derzhpolitytvyd, URSR, 1961. 208 p.
- VOICHKOV, A.I. [The committee has been elected... and what next? Komitet izbran... a dal'she?] [Moskva] Izd-vo "Molodnia gvardiia," 1962. 61 p. (VLKSM-komsomol'skoiu aktivistui)
- [VOLUNTARY PARTICIPATION IN PARTY WORK; from the practice of Ukrainian party organizations] *Ob-shchestvennoe nachala v partinnoi rabote; iz opyta raboty partinykh organizatsii Ukrainy*. Kiev, Gos-politizdat USSR, 1962. 280 p. (Iz opyta raboty part-organizatsii Ukrainy)
- VOSKRESENSKII, I.V. [How the Communist Party de-feated the Menshevik-Trotskyite "New Opposition," 1925-1926] *Razgrom Kommunisticheskoi partii tro-tskistsko-men'shevistskoi "novoi oppositsii"*. 1925-26 gg.; lektsiia dlia studentov-zaochnikov gosu-darstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962. 34 p.
- VOSTRIKOV, I.U.A., and N.I. FEDULOV. [Member of a party committee] *Chlen partinnoi komiteta*. Moskva, Izd-vo "Sovetskaiia Rossiia," 1961. 31 p.

7. LAW

- AKADEMIIA NAUK SSSR. Institut gosudarstva i prava. [Legal forms of international cooperation among socialist countries] *Mezhduarodnopravovye formy sotrudnichestva sotsialisticheskikh gosudarstv*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 466 p.
- ALEKSANDROV, N.G., and A.G. PERVUSHIN, eds. [Basic principles of Soviet law] *Osnovy sovetskogo prava*. Moskva, Gosurizdat, 1962. 435 p.
- ANDREEV, M., and D. ANGELOV. [History of the Bulgarian state and law. Translated from the Bul-garian] *Istoriia Bolgarskogo gosudarstva i prava*. Pod red. i s predisl. S.F. Kachek'iann i G.G. Litay-rina. Moskva, Izd-vo inostr. lit-ry, 1962. 456 p.
- ARMENIAN S.S.R. Laws, statutes, etc. [Chronological collection of laws of the Armenian S.S.R., decrees of the Presidium of its Supreme Soviet, and decisions of the government of the Armenian S.S.R., 1953-1958. *Khronologicheskoe sobranie zakonov Armianskoi SSR, ukazov Prezidiuma Verkhovnogo Soveta i postanovle-nii pravitel'stva Armianskoi SSR, 1953-1958 gg.* Ere-van, Gos. izd-vo Armianskoi SSR] 1962. 703 p. [In Armenian]
- AZERBAIJAN. Laws, statutes, etc. [Regulations on fellow workers' courts. Adopted by decree of the Presidium of the Supreme Soviet of the Azerbaijan S.S.R., October 7, 1961] *Polozheniia o tovarishche-skikh sudakh*. Utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Azerbaidzhanskoi SSR ot 7 oktia-bria 1961 g. Baku, Izd. Verkhovnogo Soveta Azer-baidzhanskoi SSR, 1962. 9 p.
- BASIN, I.U.G. [Legal problems concerning the planning of new building projects] *Pravovye voprosy proektiro-vaniia v stroitel'stvo*. Moskva, Gosurizdat, 1962. 160 p.
- BLISHCHENKO, I.P., and V.N. DURDENEVSKII. [Diplomatic and consular law] *Diplomaticheskoe i konsul'skoe pravo*. Moskva, Izd-vo IMO, 1962. 479 p.
- CHUVASH A.S.S.R. Laws, statutes, etc. [Statute on elections to district, city, village, and settlement soviets of workers' deputies of the Chuvash A.S.S.R.] *Chuvash ASSR essynni deputachesen raion, khula, ial lata poselok soveshesene suilamalli polozheni. Shupashkar*. Chuvash ASSR gos. izdatel'stvi, 1961. 29 p. [In Chuvash]
- DMITRIEV, V.A. [Guarding revolutionary legality] *Na strazhe revoliutsionnoi zakonnosti*. Moskva, Gosurizdat, 1962. 50 p. (CSi-II)
- GOLOVANOVA, E.A. [Examination of labor disputes] *Rassmotrenie trudovykh sporov*. Perm', Permskoe knizhnoe izd-vo, 1958. 54 p. (Populiarnaiia iuridiche-skaia biblioteka)
- GONCHAROV, G.I. [Before the court of their friends; from the practice of a fellow workers' court] *Perod sudom tovarishchei; iz opyta raboty tovarishcheskogo suda*. Moskva, Gosurizdat, 1962. 44 p.
- GRIBANOV, V.P. [Liability of sellers and purchasers under delivery of goods contracts] *Otvetsivennost' storon po dogovoru postavki*. Moskva, Gosurizdat, 1962. 114 p. (Biblioteka khoziaistvennika)
- KAREV, D.S., ed. [Legal manual for the deputies of local soviets] *Iuridicheskii spravochnik deputatov mestnogo soveta*. Izd. 2. [Moskva] Izd-vo Mosk. univ., 1962. 511 p.
- KOLGANOV, M.V. [Property; precapitalist forms] *Sobstvennost'; dokapitalisticheskie formatsii*. Moskva, Sotselgiz, 1962. 495 p.
- LENINGRAD, UNIVERSITET. Kafedra ugovolnogo prava. [Soviet criminal law; special part] *Sovetskoe ugovol-noe pravo; chast' osobennaiia*. Pod red. M.D. Shargo-rodekogo, N.A. Belava. Moskva, Gosurizdat, 1962. 477 p.
- MASEVICH, M.G. [The rights and obligations of parents and children] *Prava i obiazannosti roditel' i detei*. Moskva, Gosurizdat, 1962. 58 p.
- [MIDDLEVAL LAW. Srednevekovoe pravo. Tbilisi. In Georgian] Vol. 2. *Dojdzde, I.B., comp.* [The age of fully developed feudalism, from the 11th to the 14th century. Epokha razvitiia feodalizma, XI-XIV vv.] 1962. 644 p.
- MINASIAN, N.M. [The essence of present-day inter-national law] *Sushchnost' sovremennogo mezhduarod-nogo prava*. Rostov-na-Donu, Rostovskii gos. univ., 1962. 353 p.
- MOSCOW. VSESOIUZNYI INSTITUT IURIDICHESKIKH NAUK. [Theoretical comments on judicial practice in civil and criminal cases] *Nauchnyi kommentarii sudeb-noi praktiki po grazhdanskim i ugovolnym delam*. Otv. red. A.A. Rusko. Moskva, Gosurizdat, 1962. 189 p.
- [PAMPHLET SERIES IN CRIMINAL PROCEDURE FOR PEOPLE'S ASSESSORS] *Biblioteka narodnogo zasedatelia po ugovolnomu protsessu*. Moskva, Gosurizdat, 1962. 9 nos. in 1 v.
- Karev, D.S. [Pretrial investigation] *Predvari-tel'noe rassledovanie*. Savgirova, N.M. [Indictment] *Predanie suda*. Kurinov, B.A., and N.F. Kuznetsova. [The concept of crime] *Poniatie prestupleniia*. Kriger, G.A. [Punishment and the imposition of penalty] *Nakazanie i ego primenenie*. Kutsova, E.F. [Sentence] *Prigovor*. Kalashnikova, N.I.A. [The trial of criminal cases] *Sudebnoe razbitatel'stvo po ugovolnomu delu*. Tkachevskii, I.U.M. [Criminal responsibility for the theft of government and public property] *Ugolovnaia otvetivennost' za khishchenie gosudarstvennogo i obshchestvennogo imu-shchestva*. Durmanov, N.D. [Responsibility for the criminal violation of public safety and order and the impairment of public health] *Ugolovnaia otvetivennost' za prestupleniia protiv obshche-stvennoi bezopasnosti, obshchestvennogo poriadka i zdorov'ia naseleniia*. Mendel'son, G.A. [Criminal responsibility for manslaughter and assault and battery] *Ugolovnaia otvetivennost' za ubistvo i telesnye povrezhdeniia*.

- PETROV, A. P. [Awarding bonuses for creating and introducing new technological methods; legal problems] Premirovanie za sozdanie i vnedrenie novoi tekhniki; pravovye voprosy. Moskva, Gosizdat, 1962. 67 p.
- RUSSIA (1917- R. S. F. S. R.) Constitution. [Constitution (fundamental law) of the Russian Soviet Federated Socialist Republic; with amendments adopted at the seventh session of the Fifth Supreme Soviet of the R. S. F. S. R.] Konstitutsia (osnovnoi zakon) Rossiiskoi Federativnoi Sotsialisticheskoi Respubliki. S izmeneniami i dopolneniami, priinyatymi na sed'moi sessii Vserossiiskogo Soveta RSFSR platogo sozyva. Moskva, Gosizdat, 1962. 31 p.
- RUSSIA (1917- R. S. F. S. R.) Laws, statutes, etc. [The criminal procedure code of the R. S. F. S. R.; official text with amendments as of January 1, 1962 and supplementary materials to the articles of the Code] Ugolovno-protsessual'nyi kodeks RSFSR; ofitsial'nyi tekst s izmeneniami na 1 ianvaria 1962 g. i s prilozheniami postateino-sistematizirovannykh materialov. Moskva, Gosizdat, 1962. 334 p.
- RUSSIA (1917- R. S. F. S. R.) Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the R. S. F. S. R. Adopted by decree of the Presidium of the Supreme Soviet of the R. S. F. S. R., December 11, 1950. With amendments introduced by decrees of the Presidium of the Supreme Soviet of the R. S. F. S. R., December 20, 1958, March 28, 1961, and January 9, 1963] Polozhenie o vyborakh v Verkhovnyi Sovet RSFSR. Utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta RSFSR ot 11 dekabria 1950 g., s izmeneniami i dopolneniami, vnesennymi Ukazami Prezidiuma Verkhovnogo Soveta RSFSR ot 20 dekabria 1958 g., ot 28 marta 1961 g. i ot 9 ianvaria 1963 g. Moskva, Gosizdat, 1963. 28 p.
- RUSSIA (1917- R. S. F. S. R.) Laws, statutes, etc. [Statute on elections to the territory, province, area, district, city, village and settlement Soviets of workers deputies in the R. S. F. S. R. Adopted by decree of the Presidium of the Supreme Soviet of the R. S. F. S. R. on October 2, 1950. With amendments and supplements introduced by decrees of the Presidium of the Supreme Soviet of the R. S. F. S. R. on December 1, 1954, December 29, 1958, March 28, 1961 and January 9, 1963] Polozhenie o vyborakh v kraevye, oblastnye, okrugnye, rayonnye, gorodskie, sel'skie i poselkovye sovery deputatov trudnashchikh RSFSR. Utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta RSFSR ot 2 oktiabria 1950 g., s izmeneniami i dopolneniami, vnesennymi Ukazami Prezidiuma Verkhovnogo Soveta RSFSR ot 1 dekabria 1954 g., ot 29 dekabria 1958 g., ot 28 marta 1961 g. i ot 9 ianvaria 1963 g. Moskva, Gos., izd-vo iurid. lit-ry, 1963. 30 p.
- RUSSIA (1923- U. S. S. R.) Constitution. [Constitution (fundamental law) of the Union of Soviet Socialist Republics; with amendments and supplements adopted at the second session of the Sixth Supreme Soviet of the U. S. S. R.] Konstitutsia (osnovnoi zakon) Soiuza Sovetskikh Sotsialisticheskikh Respublik. S izmeneniami i dopolneniami, priinyatymi na vtoroi sessii Verkhovnogo Soveta SSSR shiestogo sozyva. Moskva, Gosizdat, 1963. 31 p.
- RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Collected laws on economic contracts] Khoziashtvennye dogovory; sbornik normativnykh aktov. Moskva, Gosizdat, 1962. 601 p.
- RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Collected legislative enactments on land] Sbornik zakonodatel'nykh aktov o zemle. Izd. 2., dop. Moskva, Gosizdat, 1962. 288 p.
- RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the U. S. S. R. Adopted by decree of the Presidium of the Supreme Soviet of the U. S. S. R., January 9, 1950. With amendments introduced by decree of the Presidium of the Supreme Soviet of the U. S. S. R., December 27, 1961] Polozhenie pro vybory do Verkhovnoi Rady SSSR. Zatverzhdeno Ukazom Prezidiuma Verkhovnoi Rady SSSR vid 9 sikhnia 1950 roku. Iz zminamy i dopolneniamy, vnesennymi Ukazom Prezidiuma Verkhovnoi Rady SSSR vid 27 hrudnia 1961 roku. Kyiv, Derzhpolitytdav URSS, 1962. 20 p.
- RUSSKO-AMERIKANSKII SOIUZ ZASHCHITY I POMOSHCHI RUSSKIM VNE SSSR. [A memorandum on basic problems concerning the present-day legal status of Russian political refugees] Memorandum; osnovnye voprosy pravovogo ustroia russkoi emigratsii v nastoiashchee vremia. New York, Izd. Iuridicheskoi Komissii Soluzn, 1949. 7 p.
- SHARMAZANASHVILI, G. V. [International law] Pravo mira. Tbilisi, Zaria Vostoka, 1961. 146 p. (MIU)
- SULCS, VALTERS. [Legal status of interfarm organizations in the Latvian S. S. R.] Starpkotchozu organizacija tiesiskais stavoklis Latvijas PSR. Riga, Latvijas PSR Zinatnu akad. izdevnieciba, 1961. 122 p. [In Latvian]
- ## 8. EDUCATION
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Basic trends of work training in secondary schools] Osnovnye napravleniia proizvodstvennogo obucheniia v srednei shkole. Pod red. K. A. Ivanovicha, D. A. Epahtina. Moskva, 1962. 86 p.
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Bibliography of the publications of the Academy of Pedagogical Sciences of the R. S. F. S. R. for 1961] Bibliografiia izdaniia Akademii pedagogicheskikh nauk RSFSR na 1961 god. Moskva, 1962. 83 p.
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Training of the teachers of general technical and industrial subjects for secondary general schools] O podgotovke uchitelei obshchetechnicheskikh i proizvodstvennykh disiplin dlia srednei obshchegoobrazovatel'noi shkoly. Pod red. K. A. Ivanovicha. Moskva, 1962. 146 p.
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Institute of deaf-blind children] [School for children with grave speech defects; methods for special instruction] Shkola dlia detei s tiazhelymi naru-sheniami rechi; puti spetsial'nogo obucheniia. Pod red. R. E. Levinoi. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961. 263 p. (CU)
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Institute of deaf-blind children] [Aesthetic training in a kindergarten] Esteticheskoe vospitanie v detskom sadu. Pod red. N. A. Veltugoloi. Moskva, Izd-vo pedagog. nauk RSFSR, 1962. 60 p. (Pedagogicheskoe chteniia)
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Institute of deaf-blind children] [Child training in kindergarten] Vospitanie rebenka v detskom sadu; iz opyta raboty. Pod red. T. A. Markovoi. Moskva, Izd-vo APN RSFSR, 1962. 111 p. (Pedagogicheskoe chteniia)
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Institute of psychology] [Methods to improve the quality of the assimilation of knowledge in primary grades] Puti povysheniia kachestva usvoeniia znaniy v nachal'nykh klassakh. Pod red. D. N. Bogomolenskogo i N. A. Menchinskoi. Moskva, Izd-vo APN RSFSR, 1962. 276 p.
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Institute of psychology] [Improving the vocational qualifications of students of evening (staggered) schools] Povsheniie professional'noi kvalifikatsii uchashchikhsia vechernikh (smennykh) shkol. Pod red. O. F. Fedorovoi. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 134 p. (Pedagogicheskoe chteniia)
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. [Institute of psychology] [Methods for increasing the efficiency of educational work in the evening (staggered) schools] Puti povysheniia effektivnosti uchebnoi raboty v vechernoi (smennoi) shkole. Pod red. G. D. Kirillovoi i I. I. Finkel'shtaina. Moskva, Izd-vo APN RSFSR, 1962. 62 p. (Pedagogicheskoe chteniia)
- ANSPAKS, J., and P. ZEILE. [Students learn to work by working] Studenti darba un darbam. Riga, Latvijas Valsts izdevnieciba, 1962. 89 p. [In Latvian]
- ARAMIAN, S. N. [Socially useful work of a boarding school in Stepanakert] Stepanakert sheherindeki internat mektebde shakirdlerin ictimai-faidaliy emenli. Baki, Azertedrisneshr, 1962. 62 p. [In Azerbaijani]
- ARMENIAN S. S. R. Ministerstvo prosvoshcheniia. [Programs of eight-year schools; history of the Armenian people for the eighth grade] Programmy vos'miletnei shkoly; istoriia armianskogo naroda dlia VIII klassa. Erevan, Armuchpedgiz, 1962. 24 p.
- ASLEZOV, S. A., G. V. ZALUTSKII, and M. A. MASHINSKII. [On the open water] Na vodnykh prostorakh. Moskva, Izd-vo DOSAAF, 1962. 63 p.
- AZERBAIJAN. Ministerstvo prosvoshcheniia. [Programs for secondary schools with vocational training; electrician and repairman] Istohsalat te'limi veren orta mekteb programlary; te'mirchi elektrik montioru peshesi. Baki, Azertedrisneshr, 1962. 33 p. [In Azerbaijani]
- AZERBAIJAN. Ministerstvo prosvoshcheniia. [Programs for secondary schools with vocational training; gaw welder] Istohsalat te'limi veren orta mekteb programlary; gaz gainagchysy peshesi. Baki, Azertedrisneshr, 1962. 25 p. [In Azerbaijani]
- AZERBAIJAN. Ministerstvo prosvoshcheniia. [Programs for secondary schools with vocational training; librarian of a public library] Istohsalat te'limi veren orta mekteb programlary; kutlovi kitabkhanada kitabkhanachy peshesi. Baki, Azertedrisneshr, 1962. 71 p. [In Azerbaijani]
- AZERBAIJAN. Ministerstvo prosvoshcheniia. [Programs for secondary schools with vocational training; plasterer] Istohsalat te'limi veren orta mekteb programlary; suvagchy peshesi. Baki, Azertedrisneshr, 1962. 26 p. [In Azerbaijani]
- BADMATSYRENOV, S. S., and A. A. KONSTANTINOV. [Problems in the development of schools in Soviet Buryat-Mongolia] Voprosy razvitiia shkoly Sovetskoi Buriatii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1961. 164 p. (MI)
- BUROV, V. A. [8,000 contests, 80,000,000 spectators] 8,000 sorovnovaniy, 80,000,000 zritelei. [Moskva] Mosk. rabochii, 1960. 86 p.
- BYCHKOVA, R. A. [From darkness to light; from the history of cultural development in the Taymyr National Area] Ot t'my k svetlu; iz istorii kul'turnogo stroitel'stva v Taymyrskom natsional'nom okruge. [Krasnoyarsk] Krasnoyarskoe knizhnoe izd-vo, 1962. 76 p.
- CHERNOV, K. L. [Training young skiers; a manual for teachers of physical education and trainers of skiing] Podgotovka lunnykh lyzhnikov; posobie dlia prepodavatelei fizicheskogo vospitaniia i trenerov po lyzhnomu sportu. Moskva, Fizkul'tura i sport, 1962. 63 p.
- DEMIDOV, N. N. [Reorganization of public education in a district; work practices of the Novosibirsk District, Stalingrad Province] Perestroika narodnogo obrazovaniia v raione; iz opyta raboty Novosibirskogo raiona, Stalingradskoi oblasti. Moskva, Uchpedgiz, 1961. 63 p. (MI)
- DEREYTSOV, I. A. [Pedagogical ideas of A. N. Radishchev] Pedagogicheskie idei A. N. Radishcheva. Moskva, Uchpedgiz, 1962. 80 p.
- FINKEL'SHTEIN, I. I. [Independent work of students in accelerated study classes] Samostoiatel'naya rabota uchashchikhsia klassov uskorennoogo obucheniia. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 39 p. (Pedagogicheskaya biblioteka uchitelii)
- GORBONOSOV, N. I. [Notes of the young head of the teaching department] Zapiski molodogo zavucha. Moskva, Uchpedgiz, 1962. 93 p.
- GRINYAL'D-ZEMSKOVA, A. M. [Parents and the teacher] Roditeli i uchitel'. Moskva, Uchpedgiz, 1962. 64 p. (Roditeli i uchitelii)
- IVANOV, K. N. [Acrobatics; a manual for teachers] Akrobatika; posobie dlia uchitelei. Leningrad, Uchpedgiz, 1962. 80 p.
- KASHE, G. A. [Forming the pronunciation of children with generally underdeveloped speech] Formirovaniie proiznosheniia u detei s obshchim nedorazvitiem rechi. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 105 p. (Pedagogicheskaya biblioteka uchitelii)
- KAZAKHETSAN, A. M. [Public education in Soviet Armenia] Narodnoe obrazovanie v Sovetskoi Armenii. Erevan, Armuchpedgiz, [1961] 117 p. illus. [Parallel texts in Armenian and Russian]
- KIEV. UNIVERSYTET. [Kiev University; a guidebook] Kyivs'kyi ordena Lenina derzhavnyi universytet im. T. H. Shevchenka; dovidnyk. Za red. V. V. TSVIOTKOVA. [Kyiv] Vyd-vo Kyivs'koho univ., 1961. 130 p. (CSI-II)
- KOROBOK, A. V., ed. [The school for track athletics; training in track and field techniques] Shkola legkoi atletiki; obuchenie tekhnike vidov legkoi atletiki. Moskva, Izd-vo "Fizkul'tura i sport," 1962. 346 p.
- KOVALENKO, B. I., and N. B. KOVALENKO. [Typhlopedagogy] Tiflopedagogika. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, No. 1. [Fundamentals of typhlopedagogy and typhlodidactics] Osnovy tiflopedagogiki i tiflodidaktiki. 1962. 414 p.

- KULINKOVICH, K. A.** [Gold medals won by White Russian sportsmen] Zoloty medali belorusskikh sportmenov. Minsk, 1962. 41 p. (Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy Belorusskoi SSR, no. 21)
- LESHCHINSKII, D. S.** [Organization of lessons and discipline] Organizatsiya ureka i disziplina. Minsk, Gos. uchebno-pedagog. izd-vo, 1960. 70 p. (NNC)
- MAIZELIS, I. L.** [Chess; fundamentals of the theory] Shakhmaty; osnovy teorii. Izd. 2., perer., i dop. Moskva, Gos. izd-vo det. lit-ry, 1960. 391 p. (Shkol'naya biblioteka) (NN) (OC1)
- MEDVEDEV, R. A.** [Vocational education of students in industrial enterprises; some conclusions drawn from the work practices of experimental schools in the R. S. F. S. R.] Professional'noe obucheniye shkol'nikov na promyshlennom predpriyatii; nekotoryye vyvody iz opyta raboty eksperimental'nykh shkol v RSFSR. Moskva, Gos. uchebno-pedagog. izd-vo, 1960. 117 p. (NNC)
- MIKHAILOV, V. V.** [Sports and respiration] Sport i dykhanie. Moskva, Izd-vo "Fizkul'tura i sport," 1961. 47 p. (Biblioteka sportmenov)
- MOSCOW. VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR.** Pavil'on "Obrazovanie v SSSR" [Guidebook to the "Education in the U. S. S. R." Pavilion] Putevoditel' po pavil'onu. Moskva, 1962. 42 p.
- NABATNIKOVA, M. A., ed.** [Swimming; a textbook for coaches] Plavanie; uchebnik dlia trenerov. Moskva, Fizkul'tura i sport, 1962. 309 p.
- OBSHCHESTVO PO RASPROSTRANENIU POLITICHESKIKH I NAUCHNYKH ZNANII AZERBAIDZHANSKOI SSR.** [Sample curricula and subject outline for the natural science faculties of the universities of culture] Khazh medentiet universitetlerin tebli-elmi fakultetleri uchun tekhniki tedris tematik plan. Baki, 1962. 8 p. [In Azerbaijani]
- OBSHCHESTVO PO RASPROSTRANENIU POLITICHESKIKH I NAUCHNYKH ZNANII AZERBAIDZHANSKOI SSR.** [Sample subject outline and curriculum on music] Musiqila dair tekhniki tedris tematik plany ve programy. Baki, 1962. 30 p. [In Azerbaijani]
- PESTALOZZI, J. H.** [Selected pedagogical works] Izbrannye pedagogicheskie proizvedeniya. Pod red. M. F. Shabuevoi. Moskva, Izd-vo Akad. pedagog. nauk RSFSR. Vol. 1. [1774-1790. Selections from early works. Pedagogical experiences in Neuhoof. Articles and letters, 1780-1790. Translated from the German] 1774-1790. Iz rannikh rabot. Pedagogicheskiy opyt v Neigofe. Stat'i i pis'ma, 1780-1790. Leningrad i Gerturda. 1961. (CLU)
- [PROGRAM ON TRADE ECONOMICS]** Ticharet igisadiliatyna dair program. Baki, Azerneshr, 1962. 25 p. [In Azerbaijani]
- RUSSIA (1917- R. S. F. S. R.).** Glavnoye upravleniye shkol. Otdel obucheniya v zroslykh. [Secondary school programs for the grades 8-10] Sbornik programov srednei shkol'y dlia VIII-X klassov. Moskva, Uchpedgiz, 1960. 169 p.
- RUSSIA (1923- U. S. S. R.).** Upravleniye prepodavaniya obshchestvennykh nauk. [Program of the course on "Fundamentals of Marxist-Leninist aesthetics" for institutions of higher education] Programma kursa "Osnovy marksistsko-leninskoi estotiki" dlia vysshikh uchebnykh zavedenii (72 chasa). Moskva, Gospolitizdat, 1962. 31 p.
- RUSSIA (1923- U. S. S. R.).** Upravleniye prepodavaniya obshchestvennykh nauk. [Program of the course "Fundamentals of the Marxist-Leninist aesthetics" for institutions of higher learning] Programma kursa "Osnovy marksistsko-leninskoi estotiki" dlia vysshikh uchebnykh zavedenii (32 chasa). Moskva, Gospolitizdat, 1962. 15 p.
- SALAMOVA, D. D., and SH. M. DZHAFAROVA.** [Work training in a kindergarten] Ushag baghasynda emok terbiyesi. Pedagogik olimor namizedi N. Kazymovun redaktorigu ila. Baki, Azertodrisneshr, 1962. 51 p. [In Azerbaijani]
- [SAMPLE SUBJECT CURRICULA AND PROGRAM ON THE FUNDAMENTALS OF SCIENTIFIC ATHEISM]** Elmi ateizm esaslarina dair tekhniki tematik tedris plany ve programy. Baki, Azerbaidzhan SSR silasi ve elmi biliklari talan chemiliet. 1962. 34 p. [In Azerbaijani]
- SAVYNETS, V. K.** [Ivan Franko and the pedagogical ideas of his contemporaries in Galicia] Ivan Franko i suchasna lomu pedagogichna dumka v Halychyni. [Iv'iv] Vyd-vo L'viv's'koho univ., 1961. 97 p. (MH)
- SOIUZ SPORTIVNYKH OBSHCHESTV I ORGANIZATSIH RSFSR.** [Figure skating; visual aid] Figurnoe katanie na kon'kakh; nagladnoe uchebnoe posobie. Moskva, Izd-vo Sovetskaya Rossiya, 1962. 141 p.
- [TECHNIQUES OF SPORTS MOUNTAINEERING]** Tekhnika sportivnykh gorovoskhozhenii. [By] B. Garf i dr. Moskva, Fizkul'tura i sport, 1962. 167 p.
- TRUTNEVA, M. P.** [Organization and methods of operation in schools for working youth] Organizatsiya i metody raboty v shkolakh rabochei molodozhi. Izd. 2., ispr. i dop. Moskva, Gos. uchebno-pedagog. izd-vo, 1958. 148 p. (IU)
- TUTUNDZHIAN, O. M.** [Basic psychological characteristics of primary school students] Osnovnye psikhologicheskie osobennosti mladshago shkol'nika. Erevan, Armuchpedgiz, 1962. 216 p. [In Armenian]
- UPRUS, HELMI.** [Main building of Tartu State University] Tartu Riikliku Ulikhooli peahoone. Tallin, Eesti Riiklik Kirjastus, 1959. 70 p. illus. [Parallel texts in Estonian, Russian and English]
- [VOCATIONAL AND TECHNICAL EDUCATION IN THE GEORGIAN S. S. R.]** Professional'no-tekhnicheskoe obrazovanie v Gruzinskoi SSR. [n.p.] Proftekhizdat, 1961. 1 v. (chiefly illus.) [Parallel texts in Georgian and Russian]
- VOEIKOVA, I. S.** [Staging a children's carnival; decorations and costumes] Dekoratsii dlia karnavala. Moskva, Sovetskaya Rossiya, 1959. 36 p. (Biblioteka sel'skogo klubnogo rabotnika)
- VYSOTINA, L. A.** [Training evening (staggered) school students in a conscientious attitude toward study] Vospitanie soznatel'nogo otnosheniya k ucheniu u uchashchikhsia vechernei (smernoi) shkol'y. Moskva, Izd-vo APN RSFSR, 1962. 49 p.
- ZEILGER-RUBINShteIN, E. I.** [A. I. Hertz's views on education] Pedagogicheskie vzglyady A. I. Gertsmana. Izd. 2., dop. i perer. Moskva, Gos. Uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1962. 101 p. (CIY)

9. MUSIC, THEATER & MOTION PICTURES

AKADEMIA NAUK SSSR. Institut istorii iskusstv. [Theater and music; documents and materials] Teatr i muzyka; dokumenty i materialy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 192 p.

[AMID BOOKS ON MUSIC] Sredi knig o muzyke. Leningrad, Muzgiz. (Biblioteka muzykal'nogo samobrazovaniya)

No. 2. **Trainin, V. Ia.** [What to read on German and Austrian composers] Chto chitat' o kompozitorakh Germanii i Avstrii. 1962. 70 p.

BARAKHAJEV, O. I. [The documentary and popular-science film] Dokumental'nyi i nauchno-populiarnyi fil'm. 2. dop. vyd. Kiev, Derzh. vyd-vo obrazovtvochoho myslitelstva i muzychnoi lit-ry URSR, 1962. 46 p. (Biblioteka z pytan' myslitelstva: kino)

BONCH-OSMOLOVSKAYA, E. K. [V. Shobalina's opera "Taming of the shrew"; an analysis] Opera V. Shobalina "Ukrosheniye stroptivoi"; polasneniye. Moskva, Sovetskii kompozitor, 1962. 111 p.

CHAIKOVSKII, P. I. [Complete collected works; literary works and notes] Polnoe sobranie sochinenii; literaturnye proizvedeniya i perepiska. Moskva, Gos. muzykal'noe izd-vo, 1961- (MH)

[CONCERT AT THE CLUB; a repertory collection] Kontsert v klube; repertuarnyi sbornik. Moskva, Sovetskaya Rossiya, 1959. 156 p. (Biblioteka khudozhestvennaya samodeiatel'nost', no. 28)

DAVYDOV, V. N. [Story on the past] Rasskaz o proshlom. Leningrad, Izd-vo "Iskusstvo," 1962. 259 p. (Teatral'nye memuary)

DMITRIEV, Iu. A. [Art of Soviet vaudeville] Iskusstvo sovetskoi estrady. [Moskva] Molodaya gvardiya, 1962. 126 p.

DMITRIEV, L. B. [Voice culture of singers; materials from X-ray studies] Golosobrazovanie u pevtsov; materialy rentgenologicheskikh issledovaniy. Moskva, Muzgiz, 1962. 64 p.

DRONOV, V. P., comp. [Collection of songs for grades 5 and 6. Singing without accompaniment] Sbornik pesen dlia V-VI klassov; penie bez soprovozhdeniya. Moskva, Gos. uchebno-pedagog. izd-vo, 1956. 182 p. (NcD)

EGADZE, OTAR. [Georgian ballet; choreographic sketches] Gruzinskii balet; khoreograficheskie ocherki. [Tbilisi] Khelobnoba, 1961. 231 p. [In Georgian]

GIPPUS, E. V. ["The boundless expanse of the sea;" history of a song] "Raskinulos" more shiroko; istoriya pesni. Moskva, Sovetskii kompozitor, 1962. 36 p. (V pomoshch' slushateliya narodnykh universitetov kul'tury. Besedy o muzyke)

GRUKUROVA, L. N. [Osetic dances] Osetinskie tanty. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1961. 212 p. illus., music. (MI)

IARUSTOVSKII, B. M. [Chalkovskii's symphonies] Simfonii Chalkovskogo. 2. izd. Moskva, Gos. muzykal'noe izd-vo, 1961. 44 p. (Biblioteka slushatelia kontsertov) (MIU)

KOSMATOV, L. V. [Technique of the cameraman] Operatorskoe masterstvo. Moskva, Iskusstvo, 1962. 164 p. (Biblioteka kinokhudozhnikov)

LAKERBAI, M. A. [Outline history of the Abkhazian theater] Ocherki iz istorii Abkhazskogo teatral'nogo iskusstva. Sukhumi, 1962. 195 p.

LEBEDEVA, N., comp. [Songbook] Pesennik. Moskva, Muzgiz. No. 11. 1962. 94 p.

MACHAVARIANI, SHALVA. [Development of the Soviet Georgian dramatic theater, 1921-1926. Puti razvitiya Gruzinskogo Sovetskogo dramaticheskogo teatra, 1921-1926. Tbilisi, Izd-vo "Khelobnoba" 1962. 240 p. [In Georgian]

MAIKOV, V. M., comp. [Songs] Pesni. [Vologda] Vologodskoe knizhnoe izd-vo, 1961. 254 p. (MI)

MAZEL', I. A. [D. D. Shostakovich's symphonies; a guide] Simfonii D. D. Shostakovicha; putevoditel'. Moskva, Sovetskii kompozitor, 1960. 149 p. (MIU)

NIENEVICH, S. G. [White Russian folk songs in the musical dramaturgy of national operas and ballets] Belorusskaya narodnaya pesnia u muzychnoi dramaturgii natsional'nykh oper i baletov. Minsk, Dziarzh. vyd-va BSSR, 1962. 60 p.

[PEOPLE'S THEATERS] Narodnye teatry. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 124 p. (Biblioteka "Khudozhestvennaya samodeiatel'nost'," no. 32)

POPOVA, T. V. [Russian folk song] Russkaya narodnaya pesnia. Moskva, Sovetskii kompozitor, 1962. 73 p. (Massovaya fol'klornaya biblioteka lubitel' muzyki, no. 1)

PROKOT'EV, V. N. [In debates on Stanislavskii] V sporakh o Stanislavskom. Pod red. G. Kristi. Moskva, Iskusstvo, 1962. 271 p.

ROSTOV'TSEV, I. G. ["Battleship Potemkin."] Bronenosets Potemkin. Moskva, Izd-vo "Iskusstvo," 1962. 210 p.

RUBINShteIN, Iu., comp. [Books on motion pictures, 1917-1960; an annotated bibliography] Knigi o kino, 1917-1960; annotirovannaya bibliografiya. Moskva, Izd-vo vostochnoi lit-ry, 1962. 180 p.

SINEERSON, G. M. [Ernst Busch] Ernst Busch. Moskva, Sovetskii kompozitor, 1962. 82 p.

SINIAVER, L. S. [Life of Beethoven] Zhizn' Betkhovena. Moskva, Gos. muzykal'noe izd-vo, 1961. 212 p. illus. (MIU)

SMIRNOV-SMELOV, S. V. [Greetings to you, blue sea] Zdravstvui, more goluboe! [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 94 p.

SOLNTSEVA, A. P. [The Czechoslovak theater today] Chokhoslovatskii teatr segodnia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 158 p.

[SONGBOOK: Russian folk songs with accordion accompaniment] Pesennik; russkie narodnye pesni dlia golosa v soprovozhdenii balana. Moskva, Muzgiz, 1962. 511 p.

STREL'NIKOV, B. N. Georg Ois. Moskva, Iskustvo, 1962. 110 p. illus.

[THE TARTU STUDENT'S CHOIR, 1912-1957] Tartu Üliõpilasmuusikoor, 1912-1957. Tartu, 1958. 62 p. [In Estonian]

VUL'F, P. L. [In the old and new theater; reminiscences] V starom i novom teatre; vospominaniia. Moskva, Vserossiiskoe teatr. ob-vo, 1962. 268 p.

VYZGO, T. S. [S. Iudakov's comic opera "Malsara's escapades"; an analysis] Komicheskaya opera S. Iudakova "Prodelki Malsary"; poisseniie. Moskva, Sovetskii kompozitor, 1962. 63 p.

ZAGORODNI, G. N. Pavel Shidlovskii. Moskva, Sovetskii kompozitor, 1962. 25 p. (Narodnye peysy i muzykanty) (MH)

10. FINE ARTS

AKADEMIA BUDIVNYTSTVA I ARHITEKTURY URSR. Institut teorii ta istorii arhitektury i budivnoi tekhniki. [Outline history of architecture and building in the Ukraine] Pytannia istorii arhitektury ta budivnoi tekhniki Ukrainy. Kyiv, Derzhbudvydav URSR, 1960. 301 p. illus. (MH)

AKADEMIA STROITELSTVA I ARHITEKTURY SSSR. Institut gradostroitelstva i raionnoi planirovki. [City and regional planning] Gradostroitel'stvo i raionnaya planirovka; sostoianie i perspektivy razvitiia. Pod red. V. A. Shkvarikova. Moskva, Gosstroizdat, 1962. 142 p.

BENEDICT, MARIA. [Stefan Luchian] Shtefan Luk'ian. Bucharest, Izd-vo "Meridiany," [1962] 6 p. illus. (Rumynskie khudozhniki)

BOGDAN, RADU. [Ion Andreescu] Ion Andreescu. Bucharest, Izd-vo "Meridiany," [1962] 9 p. illus. (Rumynskie khudozhniki)

CHEKALOV, A. K. [Basic concepts of decorative and applied art] Osnovy ponimaniia dekorativno-prikladnogo iskusstva. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 64 p.

DAYDOVA, A. S. [The Zaporozhians; the painting by I. E. Repin] Zaporozhtsy; kartina I. E. Repina. Moskva, Iskustvo, 1962. 63 p. illus., plates (part, col. and mount.) (Sokrovischcha mirovogo iskusstva) (MH)

DELACROIX, EUGENE. [Journals. Translated from the French] Dnevnik. Red. i predisl. M. V. Alpatova. Moskva, Akad. khudozh. SSSR, 1961. 2 v. (IEN)

DRAK, A. Aleksandr Veniaminovich Khvostenko-Khvoslov. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 45 p. illus. (MH)

[FOR THE YOUNG ARTIST: reading material on the history of art] Iunomu khudozhniku; kniga dlia chitaniia po istorii iskusstva. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 682 p.

GABITOVA, M. [Works by Kazakh artists] Proizvodstva khudozhnikov Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo 1961. 1 v. (chiefly illus., part col.) (CLU)

GEGELLO, A. L. [From creative experience; the origin and development of an architectural conception] Iz tvorcheskogo opyta; vozniknoveniie i razvitiie arkhitekturnogo zamysla. Leningrad Gos. izd-vo lit-ry po stroit., arkhitekt., i stroit. materialam, 1962. 375 p.

GORINA, T. N. [Russian art of the second half of the 19th century] Russkoe iskusstvo vtoroi poloviny XIX veka. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 72 p. illus.

GRIGOROVICH, N. E., and A. B. STERLIGOV. [Art of Africa] Iskustvo Afriki. Moskva, Izd-vo "Znanie," 1962. 47 p. (Novoe v zhizni, nauka, tekhnika. VI Seria: Literatura i iskusstvo, no. 2)

HORDYNS'KYI, SVIATOSLAV, ed. [Serhii Lytvynenko, the sculptor] Serhii Lytvynenko, skulptor. New York, Knyhospilka, 1956. 36 p. plates (NNC)

IL'ICHEV, L. F. [Art belongs to the people] Iskustvo prinadlezhit narodu. Moskva, Gospolitizdat, 1963. 61 p.

IVANOV, A. A. Aleksandr Andreovich Ivanov. Moskva, Gos. izd-vo izobraz. iskus., 1962. [12] p. illus. (Masters russkogo iskusstva)

JURGINS, J. [Short history of Lithuanian art] Lietuvos meno istorijos bruozai. Vilnius, Valstybine grozines literaturos leidykla, 1960. 492 p. [In Lithuanian]

KAMENSKII, A. A. Konenkov. Moskva, Sovetskii khudozhnik, 1962. 370 p.

KATSMAN, E. A. [Artists notebook] Zapiski khudozhnika. Moskva, Akad. khudozh. SSSR, 1962. 122 p. illus. (MH)

KERIMOV, LIATIF. [Azerbaijani rug] Azerbaidzhanskii kover. Baku, Akad. nauk Azerbaidzhanskoi SSR. [Parallel texts in Azerbaijani and Russian] Vol. 1. 1961. 1 v. illus.

KOSTOCHKIN, V. V. [Russian defensive architecture from the end of the 13th to the beginning of the 16th century] Russkoe oboronnnoe zodchestvo kontsa XIII-nachala XVI vekov. Moskva, Izd-vo Akad. nauk SSSR, 1962. 288 p.

KOZYREVA, V. A. Zinaida Dmitrievna Koshkarova. Moskva, Gosnestpromizdat, 1960. 29 p. (Mastersa khudozhestvennykh promyslov) (MH)

KRUCHECHNIKOV, N. V. [The composition of a film] Kompozitsiia fil'ma. Moskva, Gos. izd-vo "Iskusstvo," 1960. 203 p. (Biblioteka mladogo kinematografista) (CISU)

LACE, RASMA. [Russian art; a brief historical outline] Krievu maksla; ies vistorisksie pargakata. Riga Latvijas Valsts izdevnieciba, 1962. 108 p. illus. [In Latvian]

LENNINGRAD, ERMITAZH. [Paintings] Zhivopis'. [Izd. 2.] Moskva, Gos. izd-vo izobraz. iskus., 1962. [6] p. 50 plates. [Parallel texts in Russian, English, French, and German]

LIASKOVSKAIA, O. A. Il'ia Efimovich Repin. Moskva, Iskustvo, 1962. 382 p. illus. (Zhivopis', skulptura, grafika; monografiia)

MARTKIAN, EGISHE. [Ahtemik Urartu. Erevan, Armanianskoe gos. izd-vo] 1962. 36 p. illus. [In Armenian]

MOCHALOV, L. V. Vasilii Vasil'evich Sokolov. Leningrad, Khudozh. RSFSR, 1962. 37 p. illus. (MH)

MOSCOW, ARKHITEKTURNYI INSTITUT. Kafedra "Osnovy arkhitekturnogo proektirovaniia." [Introduction to architectural design] Vvedenie v arkhitekturnoe proektirovanie. Moskva, Gosstroizdat, 1962. 176 p.

MOSCOW, GOSUDARSTVENNYI MUZEI IZOBRAZITEL'NYKH ISKUSTV. [Catalog of an exhibition of French art of the second half of the 19th century, from the collections of Soviet art museums] Katalog vystavki frantsuzskogo iskusstva vtoroi poloviny XIX veka, iz fondov khudozhestvennykh muzeov SSSR. [Moskva, 1960] 36 p. (ICA)

MOSESCU-MACRUKA, D. [Theodor Aman] Teodor Aman. Bucharest, Izd-vo "Meridiany," [1962] 7 p. illus. (Rumynskie khudozhniki)

OSIPOV, D. M. [Independent study of the principles of the fine arts] Samostoiatel'noe obuchenie osnovam izobrazitel'nogo iskusstva. Moskva, Sovetskii khudozhnik, 1962. 62 p. illus. (V pomoshch' nachinaiushchim khudozhnikam)

[PAINTING IN THE MONGOLIAN PEOPLE'S REPUBLIC] Zhivopis' Mongol'skoi Narodnoi Respubliki. [Moskva] Izgit [1960] 10 plates.

PARAMONOV, A. V. S. V. Kol'tsov, 1892-1961. Moskva, Sovetskii khudozhnik, 1962. 92 p. (MH)

PAZHITNOV, L. N. [Art and the man of the future] Iskustvo i chelovek budushchego. Moskva, Vserossiiskoe teatr. ob-vo, 1962. 67 p.

PEL'KINA, L. O., and V. P. PAVLOV. [Fine arts] Obrazotvorche mystetstvo. 2, dop. vyd. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, URSR, 1962. 39 p. (Biblioteka z pytan' mystetstva)

POPESCU, MIRCEA. [Nicolae Grigorescu] Nikolae Grigorescu. Bucharest, Izd-vo "Meridiany," [1962] 9 p. illus. (Rumynskie khudozhniki)

RIGA, LATVIJAS VALSTS LATVIESU UN KRIEVU MAKSLAS MUZEJS. [Catalog of the Department of Latvian Art; painting, sculpture, graphic and applied art] Katalog Otdela latyshskogo iskusstva; zhivopis', skulptura, grafika, prikladnoe iskusstvo. Riga, Izd. Gos. muzeia latyshskogo i russkogo iskusstva, 1961. 162 p. (MH)

RODINSKAIA, F. S. Lukian Vasil'ovich Popov, 1873-1914. Leningrad, Khudozhnik RSFSR, 1961. 108 p. illus. (MH)

SEROV, V. A. [Paintings] Kartiny. [Avtor teksta I. A. Brodskii] Leningrad, Khudozhnik RSFSR, 1960. 1 v. [unpaged, chiefly illus.] (Velikii Oktjabr' v proizvedeniiakh sovetskikh khudozhnikov) (WU)

SOIUZ KHUDOZHNIKOV RSFSR. 1. s"ezd, Moscow, 1960. [First Constituent Congress of Artists of the R. S. F. S. R., June 21-24, 1960; an abridged stenographic report] Pervyi uchreditel'nyi s"ezd khudozhnikov RSFSR 21-24 iunlia 1960 goda; sokraschennaya stenogramma. Leningrad, Khudozhnik RSFSR, 1961. 233 p. (MH) (CSt-H)

SOKOLOV, V. N. [Figure sculpture] Lepta figury. Moskva, Izd-vo Akad. khudozh. SSSR, 1962, 138 p. illus.

SOKOLOVA, N. I. Valentin Aleksandrovich Serov. Moskva, Akad. khudozh. SSSR, 1961. 76 p. illus. (MH)

TOMSKII, N. V. [The beautiful and the people] Prekrasnoe i narod; sbornik statoi. Moskva, Akad. khudozh. SSSR, 1961. 174 p. plates (MH)

VALERIUS, S. S., comp. [The Soviet Russia Exhibition; a collection of articles] Vystavka Sovetskaya Rossiia; sbornik statoi. Leningrad, Khudozhnik RSFSR, 1961. 178 p. illus. (MH)

ZINGER, E. A. [Socialist internationalism and the problem of national form in contemporary art] Sotsialisticheski internatsionalizm i problema natsional'noi formy v sovremenom iskusstvo. Moskva, Iskustvo, 1962. 116 p.

11. LANGUAGE, LITERATURE & FOLKLORE

ABASHIDZE, GRIGOL. [The swarm of midges and the oak; two poems. Translated from the Georgian] Moshkara i dub; dve poem. Moskva, Sovetskii pisatel', 1962. 134 p. (MH)

ABDULLAEV, ZAPIR. [Inflection in the Dargwa language] Kategorii padozha v darghskom iazyko. Makhachkala, 1961. 200 p. (MH)

ABDUSAMATOV, KHAFFIZ. [Monograph on A. Kakhkhara. Monografiia ob A. Kakhkhare. Tashkent, Goslitizdat UzSSR] 1960. 207 p. [In Uzbek] (MH)

ABULADZE, MIRIAN. [The poetry of Titsian Tabidze. Poezia Titsiana Tabidze. Tbilisi, Akad. nauk Gruzinokol SSR, 1961. 98 p. [In Georgian]. (MH)

ADAMOV, E. A. [The mastery of a propagandist's speech] O masterstve rechi propagandista. [Moskva] Mosk. rabochii, 1962. 68 p.

ADEK. [Works in five volumes] Tashkent, Gos. izd-vo khudozh. lit-ry UzSSR. Vol. 1. [Sacred blood; a novel. Translated from the Uzbek] Sviashchennaiia krov'; roman. 1962. 343 p.

AKADEMIA KHUDOZHESTV SSSR. Nauchno-issledovatel'skii muzei. [Catalog of an anniversary exhibition of the works of Andreian Dmitrievich Zakharov, 1811] Katalog iubil'noi vystavki proizvedenii Andreiana Dmitrievicha Zakharova, 1811-1881. Moskva, Akad. khudozhestv SSSR, 1961. 31 p.

- AKADEMIYA NAUK GRUNZINSKOI SSR, Tiflis.** Institut vostokovedeniia. [Specimens of Persian folklore] Obrazitsy persidskogo fol'klor. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. [In Georgian]
Vol. 1. Predislavie, perevod i primechaniia N. G. Bekauri i Dzh. Sh. Giumashvili. 1962. 90 p.
- AKADEMIYA NAUK SSSR.** Iakutskii filial, Yakutsk. Institut iazyka, literatury i istorii. [Materials on the dialects of the Yakut language] Sbornik dialektologicheskikh materialov iakutskogo iazyka. Iakutsk, Iakutskoe knizhnoe izd-vo, 1961. 130 p. (MH)
- AKADEMIYA NAUK SSSR.** Institut iazykoznaniiia. [Studies on the comparative grammar of the Turkic languages] Issledovaniia po sravnitel'noi grammatike turkikh iazykov. Pod obshch. red. N. K. Dmitrieva i N. A. Bashkova. Moskva, Izd-vo Akad. nauk SSSR.
Pt. 4. [Vocabulary] Leksika. 1962. 127 p.
- AKADEMIYA NAUK SSSR.** Institut istorii iussus'ty. [Contemporary foreign drama] Sovremennaya zarubezhnaya drama. Moskva, Izd-vo Akad. nauk SSSR, 1962. 391 p.
- AKADEMIYA NAUK SSSR.** Institut mirovoi literatury. [A. M. Gor'ki in portraits, illustrations, documents, 1868-1936] A. M. Gor'ki v portretakh, illyustratsiyakh, dokumentakh, 1868-1936; posobie dlia uchitel'ov srednei shkoly. Moskva, Uchpedgiz, 1962. 518 p.
- AKADEMIYA NAUK SSSR.** Institut mirovoi literatury. [Realism and its relation to other creative methods] Realizm i ego svyaz s drugimi tvorcheskimi metodami. Moskva, Izd-vo Akad. nauk SSSR, 1962. 364 p.
- AKADEMIYA NAUK SSSR.** Institut narodov Azii. [Story about Llongo Fumo; tales of African peoples. Translated from the Swahili and other languages] Skazanie o Llongo Fumo; skazki narodov Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1962. 394 p.
- AKADEMIYA NAUK SSSR.** Institut russkogo iazyka. [Problems in the theory of linguistic geography] Voprosy teorii lingvisticheskoi geografii. Pod red. R. I. Avanesova. Moskva, Izd-vo Akad. nauk SSSR, 1962. 253 p.
- AKADEMIYA NAUK SSSR.** Institut russkoi literatury. [Pushkin; studies and materials] Pushkin; issledovaniia i materialy. Moskva, Izd-vo Akad. nauk SSSR, Vol. 4. 1962. 443 p.
- AKADEMIYA NAUK TURKMENSKOI SSR, Ashkhabad.** Institut literatury. [Makhtum-Kuli; jubilee volume dedicated to the 225th anniversary of the birth of the great Turkmen poet] Makhtumkuli; iubil'einyi sbornik, posvyashchennyi 225-letiiu so dnia rozhdeniia velikogo turkmenskogo poeta. Glav. red. Sh. B. Datyrov. Ashkhabad, Izd-vo Akad. nauk Turkmeniskoi SSR, 1961. 351 p. [In Russian and Turkmen]
- AKADEMIYA NAUK URSSR, Kiev.** Biblioteka. [Taras Hryhorovych Shevchenko; a bibliography of bibliographies, 1840-1960] Taras Hryhorovych Shevchenko; bibliografiia, bibliografiia, 1840-1960. Kyiv, Vyd-vo Akad. nauk URSSR, 1961. 73 p.
- AKADEMIYA NAUK URSSR, Kiev.** Institut movoznavstva. [Aleksandr Afanas'evich Potebnia; a volume commemorating the 125th anniversary of his birth] Oleksandr Opanasovych Potebnia; iubil'einyi zbirnyk do 125-rihch'ia z dnia narodzhennia. Kyiv, Akad. nauk URSSR, 1962. 110 p. (MH) (NNC)
- AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent.** Institut iazyka i literatury. [Basic rules of Uzbek orthography] Osnovnye pravila uzbekskoi orfografi. Tashkent, 1956. 20 p. [In Uzbek] (MH)
- AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent.** Karakalpakskii filial, Institut istorii, iazyka i literatury. [Kara-Kalpak folk legends and anecdotes] Karakalpakskie narodnye legendy i anekdoty. Nukus, Karakalpakskoe gos. izd-vo, 1962. 155 p. [In Kara-Kalpak]
- AKHVELEDIANI.** [The Old Persian "mašiya-" and the Georgian "masx-"] Drevnepersidskoe mašiya- i gruzinskoe masx-. Moskva, Izd-vo vostochnoi lit-ry, 1960. 3 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)
- AKOP'IAN, O. S.** [Short-hand textbook; general and advanced] Uchebnik stenografii; massovoe i professional'noe pis'mo. Izd. 2. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1962. 160 p.
- ALEKSANDROV, A. M.** [Exercises in syntax and punctuation; a manual for teachers] Uprazhneniia po sintaksisu i punktuatsii; posobie dlia uchitel'ov. Moskva, Gos. uchebno-pedagog. izd-vo, 1960. 105 p. (MIDW)
- ALEKSEEV, SERGEI.** [Life and death of Grishaika Sokolov] Zhizn' i smert' Grishaiki Sokolova. Moskva, Detgiz, 1962. 94 p.
- ALESHIN, S. I.** [Plays] P'esy. Moskva, Sovetskii pisatel', 1962. 208 p. (MH)
- ALIEV, U. B.** [The Karachay language; grammar and orthography. Karachayevskii iazyk; grammatika i pravopisanie. Izd. 2. Uchebnik dlia 3 klassa nachal'noi shkoly. Cherkassk. Karachayev-Cherkasskoe knizhnoe izd-vo, 1961. 55 p. [In Karachay] (MH)
- ALTSCHULLER, GREGORY.** [The case of Tveritinov] Delo Tveritinova. Washington, Victor Kamkin, Inc. Pt. 1. 1963. 319 p.
- ALVER, BETTI.** [The cracked mirror; six poems] Morane peegol; kuus poemi. Tallinn, Ajalehtedajakirjade kirjastus, 1962. 53 p. [In Estonian] ("Loomingu" raamatukogu, no. 47(263))
- ANASTAS'EV, A. N.** [Vsevolod Vishnevskii; an account of his works] Vsevolod Vishnevskii; ocherk tvorchestva. Moskva, Sovetskii pisatel', 1962. 156 p. (CU) (MH)
- ANDRIEYEVICH, M. A.** [Lesia; a dramatic tale] Lesia; dramatychna povist'. Kyiv, Derzhilivdyav, 1962. 110 p. [Biblioteka samodiat'noho teatru] (MH)
- ANNENKOV, IU. L.** [Minors' senator; a novel] Shakh'terskii senator; roman. Moskva, Detgiz, 1962. 238 p.
- [ANTHOLOGY OF LITERATURE FOR THE 8TH GRADE IN SECONDARY SCHOOLS. Khrestomatia po literature dlia IX klassa srednei shkoly. 4. izd.]** Ashgabat [Turkmenuchpedgiz] 1956. 161 p. [In Turkmen] (InU)
- APPARAO, GURAZADA.** [Selected works. Translated from the Telugu] Izbrannye proizvedeniia. Moskva, Izd-vo vostochnoi lit-ry, 1962. 220 p.
- APRESIAN, V. Z.** [Time does not wait; a novel] Vremia ne zhdet; roman. 2. dop. izd. Moskva, Proftekhizdat, 1961. 358 p. (NNC)
- ARCHANGEL, OBLASTNAIA BIBLIOTEKA.** [Writers and poets of Archangel Province; a bibliographic reference] Placatki i poety Arkhangel'skoi oblasti; bibliograficheskie spravocniki. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 58 p. [MICROFILM]
- ARISTOPHANES.** [Comedies. Translated from the ancient Greek] Komedi. Moskva, Gos. izd-vo khudozh. lit-ry, 1954. 2 v. (CaOTU)
- ARKHIPOV, T. A.** [Rivers of Ludzinka; a novel. Translated from the Udmurt] Reki Ludzinki; roman. Moskva, Sovetskaya Rossiia, 1960. 502 p. (NNC)
- ANDREEV, A. D.** [Judge us, people; a novel] Rassudite nas, ljudi; roman. Moskva, Gostizdat, 1962. 97 p. (Roman-gazeta, no. 24(270))
- ANDREEV, A. D.** [The will to live is great; a tale. Books came flying; a novel. Judge us, people; a novel] Ochen' khotetsia zhit'; povest'. Grachi prileteli; roman. Rassudite nas, ljudi; roman. [Moskva] Molodaiia gvardiia, 1962. 651 p.
- ARYA-SURA.** [Garland of birth stories or legends on the deeds of Bodhisattva. Translated from the Sanskrit] Girlanda dzhatka ili skazaniia o podvigakh Bodhisattav. Predisl. i prim. O. F. Volkova. Moskva, Izd-vo vostochnoi lit-ry, 1962. 347 p. (Pamiatniki literatury narodov Vostoka: Perevody, no. 7)
- ATAEVA, KIL. A.** [The development of the vocabulary of the Turkmen language by its internal resources; the period after the Great October Socialist Revolution; Razvitiia leksiki turkmenskogo iazyka za sohet vnutrennikh resursov; period posle Velikoi Oktiaбрь'skoi Sotsialisticheskoi revoliutsii. Chardzhou, 1961. 124 p. [In Turkmen] (MH)
- AUERBAKH, E. B.** [My stories] Moi rasskazy. Moskva, Sovetskii pisatel', 1962. 214 p. (MH)
- AUEZOV, M. O.** [Gray fierce one. Translated from the Kazakh] Seryi Liutyl. Moskva, Gostizdat, 1961. 37 p. (Rasskazy sovetskikh pisatelei) (MH)
- AUEZOV, M. O.** [Thoughts of various years (along literary paths)] Mysl' raznykh let (Po literaturnym tropam) [Sbornik 1. posmertnoe izd. Soat. I. T. Diushenbaev] Alma-Ata, Kazgostizdat, 1961. 640 p. (MH)
- AVYZIUS, J.** [A man remains a man] Zmogus lieka zmogum. Vilnius, Valstybine grozines literaturos leidykla, 1960. 364 p. [In Lithuanian]
- AZIM-ZADE, USIF.** [Second life; a tale. Translated from the Azerbaijani] Vtoraiia zhizn'; povest. Moskva, Sovetskii pisatel', 1962. 242 p. (MH)
- BABADZHIAN, RAMZ, comp.** [In the wide open spaces of Uzbekistan. Translated from the Uzbek] Na prostorakh Uzbekistana; sbornik. Moskva, Sovetskii pisatel', 1961. 193 p. (MH)
- BADAGIN, K. S.** [Route to Spitsbergen. Foreign sails; tales] Put' na Grumant. Chuzie parusa; povesti. [Moskva] Molodaiia gvardiia, 1960. 463 p. (KU)
- BAHMUT, I. A.** [Happy day for Krinichnyi, a student of the Suvorov School. The masters of Okhotsky Mountains; tales] Shaslyryi den' suvorovtsia Krinichnogo. Hoopodari Okhots'kiykh hir; povesti. Kyiv, Derzh. vyd-vo dytialnoi lit-ry, URSSR, 1959. 253 p. illus. (NNC)
- BAHMUT, I. A.** [Soldier's notebook; a tale] Zapysky soldata; povist. Kyiv, Radians'kyl' p's'mennyk, 1961. 124 p. (MH)
- BALAKSHIN, P. P.** [A tale of San Francisco and other stories] Povest' o San Fransisko i drugie rasskazy. San Francisco, Sirius [1951] 240 p. (OCI)
- BALDAEV, S. P.** [Buryat folk songs; pre-revolutionary songs] Buriatskie narodnye pesni; dorevoliutsionnye. Ulan-Ude, Buriatskii kompleksnyi nauchno-issl. in-t, [In Buryat and Russian] Vol. 1. 1961. (MH)
- BANYKIN, V. I.** [Lesha's love; a tale] Lesikina liubov'; povest'. Moskva, Izd-vo "Sovetskaya Rossiia," 1962. 230 p.
- BARABASH, IURII.** [Winged realism; literary notes] Krylatyi realizm; literaturno-krytychni notatki. [Kharkiv] Kharkivs'ke knyzhkovoe vyd-vo, 1961. 238 p. (NNC)
- BARUZDIN, S. A.** [Speak, O man; verses gay and serious for children and their parents] Skazhi, chelovek; stikhi veselye i ser'eznye dlia detoi i ikh roditel'ov. Moskva, Sovetskii pisatel', 1962. 54 p. (MH)
- BATROV, A. M.** [Silver olive; stories] Serebriannaiia oliva; rasskazy. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 189 p. (Shkol'naiia biblioteka) (MIDW)
- BAZARBAEV, MUSLEM.** [Living traditions] Zhivye traditsii. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1962. 120 p.
- BAZHAN, M. P.** [Italian meetings; verse] Italiiskii zustrichi; poezi. Kyiv, Derzhilivdyav, 1961. 62 p. (MH)
- BEDAREV, O. K.** [Vitka and I; a tale] My s Vit'koi; povest'. [Moskva, Gos. izd-vo detskoi lit-ry, 1960]. 142 p. (Shkol'naiia biblioteka) (MIDW)
- BEDZYK, D. I.** [Farmers; a novel] Khtiboroby; roman. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1961. 271 p. (CaOTU)
- BEDZYK, D. I.** [My friend's heart; a novel] Serlase moho druha; roman. Kyiv, Molod', 1961. 272 p. (MH)

- BEK, A. A. [Volokolamsk Highway] Volokolamskoe shosse. Moskva, Voenizdat, 1962. 573 p. (Sovetskii voennyi roman)
- BEKETOV, V. P. [One more day. Private residence; tales] Eshe odn den'. Osobniak; povesti. Kyiv, Derzhlitvydav, 1962. 237 p. (MH)
- BEKH-AZIN, M. [Patterns on silk. Translated from the Persian] Uzory na sheiku. Moskva, Izd-vo inostr. lit-ry, 1961. 326 p. (CLU)
- BEL'CHIKOV, I. A. [V. G. Belinskii's vocabulary of sociopolitical terms] Obshchestvenno-politicheskaia leksika V. G. Belinskogo. [Moskva] Izd-vo Mosk. univ., 1962. 131 p.
- DELOGLAZOVA, R. V. [Branch of the March tea; stories] Velka bagul'nika; rasskazy. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1960. 106 p. (CLU)
- BERDNYK, O. P. [Heart of the universe; a fantastic tale] Serdtse Vsesveta; fantasticheski povesti. Kyiv, Radians'kyi pys'mennyk, 1962. 261 p. (MH)
- BEREZOV, R. M. [Job] Iov. [San Francisco, 1961] 189 p.
- BEREZOVSKII, F. A. [Lenin on the platform. Portrait. Mother] Lenin na tribune. Portret. Mat'. [Omsk] Omskoe knizhnoe izd-vo, 1962. 137 p. (MH)
- BERTAGAEV, T. A. [Studies in the vocabulary of the Mongolian languages; a comparative and statistical study of the vocabulary of the Buryat dialects] K issledovaniiu leksiki mongol'skikhazykov. Opyt sravnitel'no-statisticheskogo issledovaniia leksiki buriatskikh govorov. Ulan-Ude, Buriatskii kompleksnyi nauchno-lit. in-t, 1961. 168 p. (MH) (NP)
- BERTEL'S, E. E. [Selected works; Nizami and Fuzuli] Izbrannye trudy; Nizami i Fuzuli. Moskva, Izd-vo vostochnoi lit-ry, 1962. 553 p.
- BEYLE, M. H. [Charterhouse of Parma; a novel. Translated from the French] Parmaskaia obitel'; roman. Moskva, Pravda, 1956. 533 p. [Publ. under his pseud.: Stendal'] (C)
- BEZYMENSKII, A. I. [Hammer and sword; verse] Molot i mech; stikhi. Moskva, Sovetskaiia Rossiia, 1962. 222 p. (MH)
- BIALEVICH, A. P. [Rainbow over the field; poems] Viaselka nad polem. Minsk, Dziazh. vyd-va, BSSR, 1961. 138 p. (MH)
- BLANKI, V. V. [Ant and grasshopper; why ants do not act alone] Murovoi i strekoza; pochemu murav'i v odinochku ne khodiat. Leningrad, Gos. izd-vo detskoi lit-ry, 1961. 15 p. (MIDW)
- BIRNITSOVA, OI'GA. [Ears of grain; poems] Kolos'ia. Paris [Impr. Boresnink, 1962?] 47 p. (MH)
- BOGDANOV, N. A. [Grammatical analysis in Russian language lessons for grades 5-8 of the Azerbaijani school] Grammaticheskii razbor na urokakh russkogo iazyka v 5-8 klassakh Azerbaidzhanskoi shkoly. Baku, Azerbaidzhanskii, 1961. 58 p.
- BOGOLIUBOV, M. N. [Sogdian documents from Mug Mountains] language information] Sogdskoe dokumenty s gory Mug; iazykovye dannye. Moskva, Izd-vo vostochnoi lit-ry, 1960. 7 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)
- BOHUT'SKYI, M. K., comp. [About Mykhailo Stoliak; literary criticism] Pro Mykhaila Stoliaka; literaturno-krytychni statii. Kyiv, Radians'kyi pys'mennyk, 1962. 267 p. (MH)
- BOICHENKO, OLEKSANDR. [Youth; a tale] Molodist'; povist'. Kyiv, Molod', 1946. 424 p. (IU)
- BOIKOV, V. F. [Wind in the palms of the hands; a new book of verse] Veter v ladonakh; novai kniga stikhov. Moskva, Sovetskii pisatel', 1962. 287 p. (MH)
- BOLDYREV, A. N. ["Divan" by Darvish Dikhaki; according to the manuscript in the collections of the M. E. Saltykov-Shchedrin State Public Library in Leningrad] "Divan" Darvisha Dikhaki; po rukopisi Gosudarstvennoi publichnoi biblioteki im. M. E. Saltykova-Shchedrina v Leningrade. Moskva, Izd-vo vostochnoi lit-ry, 1960. 8 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)
- BOLDYREV, S. N. [The flame of snow; a novel] Plamia snegov; roman. [Moskva] Molodai gvardia, 1962. 318 p. (MH)
- BONDARENKO, V. S. [Prepositions in present-day Russian] Predlogi v sovremennom russkom iazyke. Moskva, Uchpedgiz, 1961. 74 p. (MH)
- BONDAREV, I. V. [Quietude; a novel] Tishina; roman. Moskva, Goslitizdat, 1963. 110 p. (Roman-gazeta, no. 2(278))
- BORANENKOV, N. E. [Birds on the wing to Siberia; a novel] Ptitsy letiat v Sibir'; roman. Moskva, Sovetskii pisatel', 1962. 310 p.
- BORISOV, N. V. [The spider, the ant, and the pine seed; stories] Pro pauka, murav'ia i sosnovoe semechko; rasskazy. [Kulbyshev] Kulbyshevskoe knizhnoe izd-vo, 1960. 24 p. illus. (MIDW)
- BOROVNIKOV, M. A. [Song of bread from the virgin land; a poem] Pesn' o tselinnom khlebe; poema. Moskva, Sovetskii pisatel', 1961. 62 p. (MH)
- BORUTA, KAZYS. [Baltaragis' mill, or What happened in the Paudruve land at that time] Baltaragio malunas arba kas dėjosi anuo metu Paudruvos krašte. Vilnius, Valstybine grozines literaturos leidykla, 1962. 288 p. [In Lithuanian]
- BORZENKO, S. O. [Blood on the sand] Krov' na peske. Moskva, Sovetskaiia Rossiia, 1961. 110 p. (Korotkie povesti i rasskazy) (MH)
- BRAGINSKII, I. S. [Periodization of the history of Persian and Tajik literature] O probleme periodizatsii istorii persidskoi i tadzhikskoi literatur. Moskva, Izd-vo vostochnoi lit-ry, 1960. 11 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)
- BRAUN, N. L. [Verse] Stikhotvoreniia. Moskva, Goslitizdat, 1962. 420 p. (MH)
- BRIANTSEV, GEORGI. [The end of a hornet's nest] Konets osinogo gnezda. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 323 p. (Biblioteka priklucheni i nauchnoi fantastiki) (MIDW)
- BRINSKII, A. P. [Partisan courier] Partizanskii kur'er. [Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1961]. 149 p. (MH)
- BUACHIDZE, BENTIO. [Articles of literary criticism] [Sbornik kriticheskikh statei. Tbilisi, Sabchota Sakartvelo] 1960. 244 p. [In Georgian] (MH)
- BUBENOV, M. S. [The Eagle Steppes; a novel] Orlnaia step'; roman. [Moskva] Molodai gvardia, 1962. 468 p. (IU)
- BUDAEV, AZRET. [Verse and poems. Translations] Stikhi i poemny. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 93 p. (MH)
- BULDEVICH, ALEKSANDR. [My joy. Saint Serafim Sarovskii; a poem] Radost' moia, Prepodobnyi Serafim Sarovskii; poema. [Jordanville, N. Y., Holy Trinity Monastery] 1948. 40 p. (MH)
- BURIKIV'SKYI, I. O. [Life is worthwhile; stories] Na svete stoit zhit'; rasskazy. Kyiv, Derzhlitvydav, 1962. 158 p. (MH)
- BURTAN, D. I. [First snow; a tale] Pervyi sneg; povest'. Minsk, Gos. izd-vo BSSR, 1962. 300 p. (MH)
- BURSOV, B. I. [M. Gor'kii's novel, "Mother." Roman M. Gor'kogo "Mat'." Moskva, Goslitizdat, 1962. 116 p. (Massovaia istoriko-literaturnaia biblioteka)
- BYKOV, V. U. [The cry of cranes; a tale and stories] Zhuravlinyi krik; povest' i rasskazy. Moskva, Sovetskii pisatel', 1961. 228 p. (MH)
- BYSYKALO, S. K. [Maksim Ryl's'kyi; a literary portrait] Maksym Ryl's'kyi; literaturnyi portret. Kyiv, Derzhlitvydav, 1962. 116 p. (MH)
- CHABANYV'SKYI, MYKHAILO. [Along the road of a great destiny; travel notes] Shliakhamy velykoi doli; dorozhni natatky. Kyiv, Molod', 1961. 137 p. (MIU)
- CHABANYV'SKYI, MYKHAILO. [The sycamore leans over the water; a tale] Stoit iavor nad vodoiu; povest'. Moskva, Sovetskii pisatel', 1962. 180 p. (MH)
- CHAPLENKO, VASYL'. [Bolshevik language policy] Bil'shovyt'ska movna polityka. Na prykladi Ukrainy. Munich, In-t dia Vyvchennia SSSR, 1956. 74 p. (IU)
- CHAPLENKO, VASYL'. [Squandered human talent; Ukrainian literature under the Soviets, 1920-1933] Propashchi syly; ukrains'ke pys'menstvo pid komunistychnym rezhymom, 1920-1933. Winnipeg, 1960. 141 p. (Ukrains'ka vilt'na akademiia nauk. Seriia: Literatura, no. 6) (MH)
- CHARUSHIN, E. I. [Stories] Rasskazy. Moskva, Gos. izd-vo detskoi lit-ry, 1947. 77 p. (MIDW)
- CHASOVNIKOV, A. M. [I sing of the Volga and of Russia; poems] Ptiu o Volge, o Rossii. [Kostroma] Kostromskoe knizhnoe izd-vo, 1960. 110 p. (MH)
- CHAUISOV, N. K. [Siberians; a novel] Sibir'iaki; roman. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 425 p. (MH)
- CHEPUROV, A. N. [Wind from the Neva; verse] Veter s Nevy; stikhi. [Leningrad] Lenizdat, 1961. 110 p. (KU)
- CHERNIAV'SKYI, M. A. [On the Luga; lyrics, a poem] Na tykhi Luhani; lirika, poema. Kyiv, Radians'kyi pys'mennyk, 1962. 114 p. (MH)
- CHERNYKH, P. IA. [Historical grammar of the Russian language] Istoricheskaiia grammatika russkogo iazyka; knizhka dlia pedagogicheskikh institutov. Izd. 3. Moskva, Uchpedgiz, 1962. 374 p.
- CHEVONISHCHENKO, I. H. [I see with my heart; verse] Sertsom dyvlusia; virshi. [Kharkiv] Kharkiv'ske knyzhkovoe vyd-vo, 1961. 53 p. (MH)
- CHIKOVANI, GRIGOL. [Under the linden tree; selections. Pod lipoi; izbrannoe. Tbilisi, Sabchota Sakartvelo, 1962]. 497 p. [In Georgian] (MH)
- CHUKOVSKII, K. I. [Moldodry. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 22 p. (MIDW)]
- CHUKOVSKII, K. I. [Silver coat of arms; a tale] Srebrniiu gorb; povest'. [Moskva, Gos. izd-vo detskoi lit-ry, 1961]. 164 p. (MIU)
- CICERO, MARCUS TULLIUS. [Orations. Translated from the Latin] Rechi. Izd. podgotovili V. O. Gorenshtein i M. E. Grabar'-Passok. Moskva, Akad. nauk, 1962. (Akademiia nauk SSSR. Literaturnye pamiatniki. Vol. 1. [81-83 B. C.] Gody 81-83 do n. e. Vol. 2. [82-83 B. C.] Gody 82-83 do n. e. (MH)
- [COLLECTION OF VERSE] Poeticheski sbornik. [Red. A. I. Alekseev. Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1962] 94 p. (MH)
- [THE COMMUNITY; a poet's first book of poems] Obshchestvo; pervai kniga poeta. [By] O. Dmitriev i dr. [Moskva] Molodai gvardia, 1961. 263 p. (MH)

- [CONCISE AZERBAIJANI-ENGLISH, ENGLISH-AZERBAIJANI DICTIONARY OF PHRASES] Azerbaichançha-inkilâsçha inkilâsçha-azerbaichançha mukhreser frazeolozihi luget. Terlib edenler: Kh. Echemedova, I. Rehimov. Baki Azerbaichan devlet tedris-pedagozi edebiyatı neshriyatı, 1962. 133 p.
- DALEKII, N. A. [Sergei Rubtsov's practice. Fallen angel tales] Praktika Sergeia Rubtsova. Padshih angel'i; [povesti]. Kiev, Molod', 1962. 382 p. (MH)
- DAUTARTAS, VLADAS. [The colors of the sea] Juros spalvos. Vilnius, Valstybine grozines literaturos leidykla, 1960. 164 p. [In Lithuanian]
- DAVYDOV, IU. V. [Go full sail; a tale] Idi polnym vstrom; povest'. [Moskva] "Moloda gvardia," 1961. 206 p. (KU)
- [DECIDE FOR YOURSELF; satire and humor] Rassudite sami; satira i humor [Sbornik, Red, M. L. Srubshchik, Chelabinsk] Chelabinskoe knizhnoe izd-vo, 1961, illus. 100 p. (MH)
- DEMCHENKO, N. [Flower, little flower] Kvity-kvityon'ky. [Kyiv] Dytvydav, 1950. 13 p. col. illus. (MDW)
- DERZHAYIN, K. N. [Khristo Botev. Moskva, Izd-vo Akad. nauk SSSR, 1962. 362 p.
- DEVITT, V. V. [Image of the twenty-six Baku commissars in Soviet Azerbaijani poetry] Azerbaitchan sovet poeziyasinda ilirmi alti Baki komissary obrazy. Baki, 1962. 33 p. [In Azerbaijani]
- DINABURSKII, V. D. [The meeting; verse] Svidanie; stikhi. [Briansk] Brianskiy rabochiy, 1962. 48 p. (MH)
- DINERE, CECILIA. [My river, my dear river; a tale. Translated from the Latvian] Rechka mana, rechen'ka; povest'. Riga, Latvinskoe gos. izd-vo, 1962. 104 p. (MH)
- DMITRIEV, N. K. [Structure of the Turkic languages] Stroi turakikh yazykov. Moskva, Izd-vo vostochnoi lit-ry, 1962. 609 p.
- DMYTENKO, LIUBOMYR. [Scorched by thunder; a novel] Obpaleni hromany; roman. Kyiv, Derzhlitvydav, 1962. 238 p. (MH)
- DNIPROPETROVSKA OBLASNA KHUZOZHNA VYSTAVKA, PRYSVIACHENA 100-RICHCHIU Z DNIA SMERTI T. H. SHEVCHENKA, Dnipropetrovs'ka, 1961. [Commemoration of T. H. Shevchenko by artists of Dnipropetrovsk Province on the centenary of his death: A catalog] Shchuvannya pam'iaty T. H. Shevchenka khudozhykamy Dnipropetrovshchyny; do 100-richchia z dnia smerti T. H. Shevchenka. Katalog. Dnipropetrovs'ka, 1961. 93 p. (MH)
- DOBROLIUBOV, N. A. [Collected works in nine volumes] Sobranie sochinenii v devyati tomakh. Moskva, Goslitizdat. Vol. 2-4. 1962.
- DUBROVIN, B. S. [End of silence; a tale] Konets bezmolviu; povest'. [Moskva] Izd-vo "Molodaya gvardia," 1962. 173 p.
- m? Pochemu v Kara-
s," 1963. 47 p.
"dezh-
- DZHAVAKHISHVILI, MIKHAIL. [Tales and stories. Translated from the Georgian] Povesti i rasskazy. Moskva, Goslitizdat, 1962. 317 p.
- DZHAMANJAZOV, R. N. [Brief bibliography of the literature on linguistics. Kratkiy bibliograficheskiy ukazatel' literatury po iazykoznaniiu. Tashkent, Izd-vo Akad. nauk UzSSR, 1950. 143 p. (MH)
- ELISTA. KALMYTSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT IAZYKA, LITERATURY I ISTORII. [Kalmyck belles lettres are flourishing; materials of a conference devoted to Kalmyck literature and folklore] Kalmytskaya khudozhestvennaya literatura na pod'eme; materialy nauchnoi konferentsii, posviashchennoi kalmytskoi khudozhestvennoi literature i fol'kloru. Elista, 1962. 133 p. [In Russian or Kalmyck] (MH)
- EREMIN, A. A. [Unfinished song] Nedopetaya pesnia. [Gorkii, Gorkovskoe knizhnoe izd-vo, 1962]. 234 p. (MH)
- EREVANLY, A. IU. [M. A. Sabir and the Armenian people] M. E. Sabir ve ermeni khalgy. Yerevan, Ermenistan SSR slasi ve elni biliklari litan chemlet, 1962. 43 p. [In Azerbaijani]
- ERIKHEV, A. F. [Verse. Translated from the Tatar] Stikhotvoreniia. Moskva, Goslitizdat, 1962. 270 p. (Biblioteka sovetskoi poezii) (MH)
- EROSHIN, I. E. [Songs of the Altai; a book of verse] Pesni Altai; kniga stikhov. [Barnaul] Altayskoe knizhnoe izd-vo [1961]. 150 p. (MH)
- EURIPIDES. [Plays; translated from the ancient Greek] P'osy. Moskva, Iskustvo, 1960. 509 p. (Biblioteka dramaturga) (EN)
- EVNINA, E. M. [The modern French novel, 1940-1960] Sovremenniy frantsuzskii roman, 1940-1960. Moskva, Izd-vo Akad. nauk SSSR, 1962. 518 p.
- EVSEEV, NIKOLAI. [Wild fidd; verse] Dikoe pole; stikhi. Paris, Rodimiy kraj, 1963. 267 p.
- EVTUSHENKO, E. A. [After Stalin] Posle Stalina. Vvedenie A. M. Gurvicha. Chicago, Russian Language Specialties, 1962. 84 p. (LaU)
- FAIZI, AKHMED. [For you, my friends; verse and poems. Translated from the Tatar] Vam, druz'ia; stikhi i poemy. Moskva, Sovetskii pisatel', 1961. 163 p. (MH)
- FAT'IANOV, A. I. [Verse and songs] Stikhi i pesni. Moskva, Sovetskii pisatel', 1962. 261 p.
- FEDOROV, I. N. [Spring in Nezhdanova; poems] Vozna v Nezhdanovo. Moskva, Sovetskii pisatel', 1962. 82 p. (MH)
- FEDOROV, I. V. [Step by step] Shag za shagom. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1963. 366 p. [Author's pseud., I. V. Orulevskii] (OU)
- FEDOROV, V. D. [Seventh heaven; verse] Sed'moe nebo; stikhi i poemy. Moskva, Sovetskii pisatel', 1962. 280 p.
- FETISOV, M. I. [Problems in the study of creative interrelationships in the multinational Soviet literature] Problemy izucheniia tvorcheskikh vzaimosvyazei sovetskoi mnogonatsional'noi literatury. Erevan, Izd-vo AN Armianskoi SSR, 1959. 163 p. [In Armenian] (CAOTU)
- FEUCHTWANGER, LION. [Plays; translated from the German] P'osy. [Leningrad] Iskustvo, [1960] 670 p. (Biblioteka dramaturga) (NCC)
- FIKSI, S. A., comp. [Fairy tale became reality. To Yuri Gagarin, the first cosmonaut; verse] Skazka stala byl'iu. Yuriiu Gagarinu, pervomu kosmonaytu; stikhi. Frunze, Kirgizskoe gos. izd-vo, 1961. 21 p. (MH)
- FILIPPOV, B. A. [Frontiers; verse 1942-1962] Rubezhi; stikhi 1942-1962. Washington, Published by the author, 1962. 23 p.
- FIRSOV, G. P. [Importance of work on intonation in studying syntax and punctuation] Znachenie raboty nad intonatsiei dlia usvoeniia sintaksa i punktatsii v shkole. Pod red. V. V. Vinogradova. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 445 p.
- [FIRST ACQUAINTANCE; a collection of stories] Pervoe znkomstvo; sbornik rasskazov. Moskva, Voenizdat, 1962. 393 p.
- FOMENKO, V. D. [Memory of the land; a novel] Pamtai' zemli; roman. Moskva, Sovetskii pisatel', 1962. 360 p.
- [FOREIGN LITERATURE, 1961] Zarubezhnaya literatura, 1961. [By] A. M. Gorbunov, M. I. Davydova, Z. P. Shalshova. Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1962. 168 p. (Noviki khudozhestvennoi literatury)
- FREIMAN, A. A. [Some characteristics of the phonetics and orthography of the Khorezmi language] O nekotorykh osobennostyakh fonetiki i orfografii khorezmiskogo yazyka. Moskva, Izd-vo vostochnoi lit-ry, 1960. 8 p. (XXV Mezhdunarodnyi kongress vostoovedov; doklady delegatsii SSSR)
- FROLOV, V. V. [My heart is with you; verse] Serdtsem s toboi; stikhi. [Arkhangelsk] Arkhangel'skoe knizhnoe izd-vo, 1962. 50 p. (MH)
- GALANOV, B. E. [S. I. Marshak; a sketch of his life and works] S. I. Marshak; ocherk zhizni i tvorchestva. Moskva, Detgiz, 1962. 276 p.
- GALIEV, SHAUKAT. [In the light of lightning; verse. Translated from the Tatar] V svete molni; stikhi. Moskva, Sovetskii pisatel', 1962. 82 p. (MH)
- GEINTSELMAN, ANATOLII. [My book; selected verse] Moia kniga; izbrannye stikhi. Rome, Tip. Chanipi, 1961. 173 p. (MH)
- GERBSTMAN, A. O. [Chessmen made of birch bark; stories about Lenin] Shakhmaty iz berezovoi kory; rasskazy o Lenine. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1960. 109 p. (CU)
- GEVELING, A. F. [Thirst; verse and a poem] Zhazhda; stikhi i poema. Kalinin, Kalinskoe knizhnoe izd-vo, 1962. 93 p. (MH)
- GIBRAN, KAHILIL. [Broken wings; selected works. Translated from the Arabic] Slomannye kryl'ia; izbrannye proizvedeniia. Moskva, Goslitizdat, 1962. 285 p. (MH)
- [GIPSY LAND, THOU NEVER WERT! GIPSY TALES. Translated from the Hungarian] Nikogda ne bylo tebia, Tsyganiia!; sbornik tsyganiskikh skazok, zaplannyykh i literaturno obrabotannykh Tiborom Bartoschem. Moskva, Izd-vo inostr. lit-ry, 1961. 110 p. col. plates. (NCC)
- GLADILIN, A. T. [Eternal mission; a tale] Vechnaya komandirovka; povest'. Moskva, Sovetskii pisatel', 1962. 145 p. (MH)
- GLADKOV, F. V. [Tale of childhood] Povest' o detstve. [Penza] Penzenskoe knizhnoe izd-vo, 1961. 427 p. (MH) (NCC)
- GLUSHKO, M. V. [Because I love; a novel] Potomu chto lublu; roman. Kyiv, Derzhlitvydav, 1962. 316 p. (MH)
- GOGOL', N. V. [Works] Sochineniia. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 2 v. (IU) (LaU)
- [GOLDEN COCKEREL. Russian tales told by L. N. Tolstoi and others] Petushok-zolotoi grebeshok. Moskva, Gos. izd-vo Detekoi lit-ry, 1960. 76 p. illus. (Shkol'naya biblioteka) (MDW)
- GOLIKOV, A. P. [School; a tale] Shkola; povest' Moskva, Gos. izd-vo detekoi lit-ry, 1957. 246 p. (Zolotaya biblioteka Detgiz. Izbrannye proizvedeniia dlia detoi i iunoshstva) (NCC)

- GORBUNOV, A. M., and M. I. DAVYDOVA. [Classics of foreign literature; a bibliography of recommended works] Klassiki zarubezhnoi literatury; rekomendatsionyi ukazatel'. Moskva, Iskusstvo, 1961. 04 p. (V pomoshch' slushateliam universitetov kul'tury. Rekomendatsionyi ukazatel', no. 5) (CLU)
- GORDIENKO, I. P. [By the ocean; verse] Vblizi okeana; stikhi. Moskva, Sovetskii pisatel', 1962. 77 p. (MH)
- GORKII, MAKSIM. [Plays] P'esy. [Leningrad] Leningr. gazeto-zhurnal'noe i knizhnoe izd-vo, 1953. 637 p. (Shkol'naya biblioteka) (OU)
- GORKII, MAKSIM. [Tales of Italy] Skazki ob Itali. Moskva, Gos. izd-vo detetskoi lit-ry, 1961. 160 p. (IU)
- GRANIN, DANIL. [I'm going out into the storm; a novel] Idu na grozu; roman. Moskva, Goslitizdat, 1962. 131 p. (Roman-gazeta, no. 23(276)) (MH)
- GREBNEV, N. I. [Songs of bygone days; lyrics of the peoples of Central Asia] Pesni bylykh vremen; lirika narodov Srednei Azii. Tashkent, Goslitizdat UzSSR, 1961. 421 p. (MH)
- GRIGOR'YEV, N. A. [Songs in the sun; verse] Pesni pod solntsem; stikhi. [Kursk] Kurskoe knizhnoe izd-vo, 1961. 97 p. (MH)
- GRIGOROVICH, D. V. [Gutta-percha boy] Guttaperchevyi mal'chik. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 46 p. (IU)
- GROSSMAN, M. S. [Live as one in love] Zhivi vlyublen. [Chelabinsk] Chelabinskoe knizhnoe izd-vo, 1962. 174 p. (MH)
- GROSSMAN, V. S. [Old teacher; tales and stories] Staryi uchitel'; povesti i rasskazy. Moskva, Sovetskii pisatel', 1962. 523 p. (MH)
- GROZNYI, CHECHENO-INGUSHSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT IAZYKA I ISTORII. [Outline history of Soviet Ingush literature] Ocherki istorii (sovetskoi) ingushskoi literatury. Sost.: Mal'sagov, D. D., Mal'sagov, O. A., Ziazikov, B. K. Pod obshch. red. V. B. Korzun. Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1961. 186 p. [In Chechen] (MH)
- GRUDEV, I. T. [Florists; lyrical miniatures] Sotsvetie; liricheskie miniatyury. [Moskva] Molodnia gvardiia, 1961. 119 p. (MH)
- GUDAITIS-GUZEVICIUS, A. [Blacksmith Ignatas's truth. Translated from the Lithuanian] Pravyda knuzetisa Ignatasa; roman. Moskva, Sovetskii pisatel', 1960. 688 p. illus. (IU)
- GUREVICH, G. I., and P. OFFMAN. [Cupola in Kolno] Kupol na Kol'no. [Moskva, Gos. izd-vo detetskoi lit-ry, 1959] 206 p. (Biblioteka priklucheni i nauchnoi fantastiki) (IU)
- GUR'IAN, O. M. [The first road; stories and tales] Pervaya doroga; rasskazy, skazki i povesti. Moskva, Gos. izd-vo detetskoi lit-ry, 1960. 126 p. illus. (MIDW)
- GURUGLI, Gurugli; dostoni bakhoduronl Chambull maston. Dushanbe, Nashrioti davlati Tochikiston, 1962. 461 p. [In Tajik] (IU)
- GUSEINOV, IBRAGIM. [Song of light; verse. Translated from the Lezghian] Pesnia o svete; stikhi. Moskva, Sovetskii pisatel', 1962. 70 p. (MH)
- [HALFWAY TO THE MOON; selected short stories. Translated from the Russian] Pootel toel knule; valik naukogudo novelle. Tallin, Ajalohtede-Ajakirjado Kirjastus, 1962. 60 p. ("Loomingu" Raamatukogu, no. 52)286] [In Estonian] (NNC)
- HARASEVYCH, ANDRII. [To the summit; collected verse] Do vershyn; zibrani poezii. New York, Plastove vyd-vo "Molodee Zhyttia," 1959. 122 p. (IU)
- HAUPTMANN, GERHART. [Plays; translated from the German] Moskva, Iskusstvo, 1950. 2 v. (Biblioteka dramaturga) (NNC)
- HAURYLAU, LEANID. [Fidelity; verse] Vernaste'; vershyn. Minsk, Dziazh. vyd-va BSSR, 1961. 102 p. (MH)
- HERASYMENKO, I. H. [Breath of the storm] Podykh buri. Kyiv, Derzhlitvydav, 1961. 167 p. (MH)
- [HEROIC BYLINES] Gerolicheskie byliny. Moskva, Detgiz, 1962. 165 p.
- HERTZEN, A. I. [Tales and stories] Povesti i rasskazy. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 520 p. (IU)
- HORNBY, ALBERT SYDNEY. [Constructions and phrases in modern English] Konstruktsii i oboroty sovremen-nogo angliiskogo iazyka. Izd. 2. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1960. 228 p. [Publ. in English as: A guide to patterns and usage in English] (OU)
- HURYVCH, F. KH., and V. S. SAVENKO, comps. [Ukrainian children's literature; a chrestomathy of critical materials] Ukrains'ka dytlacha literatura; khrestomatia krylychnykh materialiv. Posibnyk dlia pedagogichnykh instytutiv. Kyiv, Radians'ka shkola, 1962. 311 p.
- IAKONOVSKII, EVGENII. [Water lilies; a novel] Vodianyie lilii; roman. Paris, Novala literatura, 1962. 133 p.
- IAKOVLEV, I. IA. [Horseman galloping over the city; stories] Vсадnik, skachushchii nad gorodom; rasskazy. Moskva, Pravda, 1962. 47 p. (Biblioteka "Ogonek", no. 39) (MH)
- IARMAGAEV, EMEL'IAN. [Our coming of age; a tale] Vremia nashoi zrelosti; povest'. [Leningrad] Lenizdat, 1962. 272 p. (Biblioteka sovremennoi prozy) (MH)
- [IBERO-CAUCASIAN LINGUISTICS (Ibero-Caucasica)] Ibero-kavkazskoe iazykoznanie (Ibero-Caucasica). Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. [Parallel texts in Georgian and Russian] Vol. 13. 1962. 378 p.
- IGN, I. I., and M. A. SVETLOV. [Museum of friends; caricatures, epigrams] Muzei druzel; sharzh; epigrammy. Moskva, Sovetskii pisatel', 1962. 82 p. illus. (MH)
- INATENKO, HANNA. [Poetry of Arkadz' Kullashou] Poezii Arkadii Kulashova. Kyiv, Radians'kyi pys'mennyk, 1962. 164 p. (MH) (IU)
- IL'CHENKO, O. IE. [St. Petersburg autumn; a tale] Peterburgskaia osen'; povest'. Leningrad, Gos. izd-vo khudozh. lit-ry, 1961. 320 p. (CU) (NNC)
- INTERNATIONAL CONGRESS OF SLAVISTS. 4th. Moscow, 1958. [Discussions at the Fourth International Congress of Slavists] Materialy diskussii. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Problems of Slavic linguistics] Problemy slavianskogo iazykoznanii. 1962. (DDO)
- ITIN, V. A. [Selected works] Kaa birsk' Novosibirskoe knizhnoe (MH)
- IUKHYMOVYCH, VASYL'. [From years; a selection of verse] Z k Kyiv, Derzhlitvydav, 1962. 19 (MH)
- IUREVICH, A. L. [Dictionary of lit. linguistic terms] Min vyshelshai, starodniat spetsyln. adukatsii BSSR, 1962. 245 p.
- IURTAEV, N. V. [In an old fortress kreposti; rasskazy. [Kuibyshev knizhnoe izd-vo, 1962. 117 p. (MH)
- IUSHCHENKO, O. IA. [Beauty of t Krasa zemli; liryka. Kyiv, Ra 1962. 140 p. (MH)
- IUSHKOV, P. D. [Adventures of T ten; a doctor's story] Prikluch kotenka Tigrika; rasskaz vracha vo med. lit-ry, 1959. 21 p. (MIDW)
- IVANSENKO, V. A. [Poetry, life, Poetia, zhizn', chotovek; o lir skii pisatel', 1962. 225 p.
- KAFANOV, A. V. [Early hour; poems] Ranni chas. Moskva, Sovetskii pisatel', 1962. 82 p. (MH)
- KAPUTKIAN, SIL'VA. [Meditations halfway; verse. Translated from the Armenian] Razdum'ia na polputi; stikhi. Moskva, Sovetskii pisatel', 1962. 135 p.
- KARAMYSHEV, N. F. [The power of spring water; short stories] Sila kluchevoi vody; korotkie rasskazy. Simferopol', Krymizdat, 1962. 53 p. (MH)
- KARASEV, A. I. [Slesha's lilac] Steshina silen'. [Penza] Penzenskoe knizhnoe izd-vo, 1961. 172 p. (MH)
- KARDASHOVA, A. A. [Sasha's journey] Sashino puteshestvie. Moskva, Gos. izd-vo detetskoi lit-ry, 1960. 78 p. (MIDW)
- KARIMOV, MARAT. [Spring buds; verse and a poem. Translated from the Bashkir] Vesennie pochki; stikhi i poema. [Moskva] Molodnia gvardiia, 1961. 62 p. (MH)
- KARNAUKHOVA, I. V. [Tales] Povesti. Leningrad, Gos. izd-vo detetskoi lit-ry, 1961. 374 p. (Shkol'naya biblioteka) (MIDW)
- KARPAU, ULADZIMIR. [Year after year; a novel] Za rokoni rik; roman. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1960. 521 p. (WU)
- KASTORSKII, S. V. [Dramaturgy of M. Gor'kii; studies on the ideological and artistic aspects] Dramaturgiia M. Gor'kogo; nabludeniia nad ideino-khudozhestvennoi spetsifikoi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 169 p.
- KAZACHINSKII, A. V. [The green wagon; a tale] Zelenyi furgon; povest'. Moskva, Sovetskii pisatel', 1962. 137 p.
- KAZAKOVA, R. F. [Verse] Stikhi. Moskva, Sovetskaya Rossiia, 1962. 96 p. (MH)
- KAZBEGI, ALEKSANDR. [Stories and novels. Rasskazy i romany. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo." In Georgian] Vol. 2. 1962. 560 p.
- KHELEMSKII, IAKOV, transl. [I translate a comrade's verse; pages from White Russian poetry] Perevozhu stikhi tovarishcha; stranitsy belorusskoi poezii. Minsk, Gos. izd-vo BSSR, 1962. 259 p. (MH)
- KHODZA, N. A., ed. [One hundred thousand arrows; Chinese tales] Sto tysach strel; kitaiskie skazki. [Kostroma] Kostromskoe knizhnoe izd-vo, 1959. 40 p. illus. (MIDW)
- KIBEK, MITRI, pseud. [Hunters; a novel. Translated from the Chuvash] Otkhotniki; roman. Moskva, Sovetskii pisatel', 1962. 333 p.

- KLIMENCHENKO, IU. D. [Navigator of ocean-going ships; a novel] *Shturman dal'nego plavaniia*; roman. [Leningrad] Lenizdat, 1959. 550 p. (EN)
- KLUEVA, V. N. [Exercise book for the course "Introduction to linguistics." Zadachnik po kursu "Vvedenie v iazykoznanie." Moskva, Vysshaya shkola, 1962. 108 p.
- KNORRING, IRINA. [After all; a third book of poetry, posthumously published] *Poese vesgo; tret'ia kniga stikhov, posmertnaya*. Paris, [Imp. Rapide C.-T.] 1949. 60 p. (MH)
- KOBLIKOV, V. V. [Farewell, Erluses; a tale and stories] *Do svidaniia. Erlusy; povest' i rasskazy*. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1962. 120 p.
- KOLIAGIN, M. F. [Various fates; a novel] *Raznye sud'by*; roman. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 197 p. (MH)
- KOLASTRUK, N. D. [Tales and stories] *Povesti i rasskazy*. [Kolyshev] Kolyshevskoe knizhnoe izd-vo, 1961. 217 p. (MH)
- KOLPAKOVA, N. P. [The gift; folk ditties and proverbs about work] *Podarok; narodnye pesenki i posloviцы o trude*. Leningrad, Gos. izd-vo detskoi lit-ry, 1960. 12 p. (MIDW)
- KOLTUNOV, G., V. KALININ, and D. KUZNETSOV. [ChP; extraordinary event] *ChP; chrezvychainoe prousshestvie*. Moskva, Iskustvo 1960. 176 p. (Biblioteka kinodramaturgi) (NNC)
- KOLYCHEV, O. IA. [The law of spring; new verse] *Zakon vssny; novye stikhi*. Moskva, Sovetskii pisatel', 1962. 125 p. (MH)
- KOMAR, B. A. [Squirrel; a tale] *Voksha; povest'*. Kyiv, Derzh. vyd-vo dytlichoi lit-ry URSSR, 1960. 108 p. (Istorična biblioteka) (MIDW)
- KOMISSAROV, D. S. [Some characteristics of the development of the basic genres of modern Persian literature] *O nekotorykh osobennostyakh razvitiia osnovnykh zhanrov sovremennoi persidskoi literatury*. Moskva, Izd-vo vostochnoi lit-ry, 1960. 9 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)
- KONCHALOVSKAYA, NATAL'IA. [Orange paws] *Oranzhovyie lapy*. [Moskva] "Detskii mir," 1960. 10 p. (MIDW)
- KONDRAT'EV, N. D. [Through the sound of barking pistols] *Skyoz' revol'vernii lai*. Moskva, Gospolitizdat, 1962. 63 p.
- KONONOV, A. T. [Stories about Lenin] *Rasskazy o Lenine*. [Moskva, Gos. izd-vo detskoi lit-ry, 1960] 141 p.
- KOPYLENKO, OLEKSANDR. [The great land; a novel] *Zemlia bol'shaya*; roman. [Moskva] Molodaa gvardiia, 1962. 324 p. (MH)
- KORENEV, A. K. [Blown up horizon; verse] *Vzorvannyi gorizont; stikhi*. Moskva, Voenizdat, 1962. 117 p.
- KORIAKOV, O. F. [Birth of a road] *Rozhdenie dorogi*. [Perm'] Permskoe knizhnoe izd-vo, 1962. 23 p. (Rasskazy o sovetskikh hudizhnikh)
- KORNAKOV, V. V. [On the bare land it is dawning; a novel] *V gol'tsakh svetaet*; [roman]. Ulan-Ude, Buriatiskoe knizhnoe izd-vo, 1962. 389 p. (MH)
- KORNEEV, N. IU. [Wind of the age; verse, poems] *Veter veka; stikhi, poemy*. [Kursk] Kurskoe knizhnoe izd-vo, 1961. 210 p. (MH)
- KORNICHUK, OLEKSANDR. [Kallnovaya Roshcha; a comedy in four acts. Translated from the Ukrainian] *Kallnovaya Roshcha; komedii v chetyrekh deystviakh*. Moskva, Gos. izd-vo "Iskusstvo," 1961. 109 p. (Repertuar teatral'noi samodelatel'nosti)
- KORNICHUK, OLEKSANDR. [Plays. Translated from the Ukrainian] *P'esy*. Moskva, Sovetskii pisatel', 1961. 689 p. (EN) (OU)
- KORNIENKO, O. Z. [Nightingales are singing in the springtime; a comedy] *Solov'i spivaiut' navesni; komedii*. Kyiv, Derzhlitvydav, 1962. 123 p. (Samodelateli'nyi teatr) (MH)
- KOROGLU (Poem). *Keroglu*. [Sost. M. G. Takhmasib. Red. G. Arasly] Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1959. 598 p. [In Azerbaijani and Russian] (MH)
- KOSACH, L. P. [Poems] *Poezii*. Kyiv, Radlans'kyl pys'mennyk, 1961. 2 v. (NNC)
- KOSTENKO, L. V. [Journeys of my heart; verse] *Mandrivky sertsia; poezii*. Kyiv, Radlans'kyl pys'mennyk, 1961. 110 p.
- KOTENEV, A. IA. [Life goes on; sketches] *Zhizn' prodolzhaetsia; ocherki*. Moskva, Voenizdat, 1962. 116 p. (Biblioteka soldata i matrosa)
- KOTOV, A. K. [Articles on Russian writers] *Stat'i o russkikh pisatel'nikh*. Moskva, Goslitizdat, 1962. 139 p.
- KOTWICZ, W. [Studies on the Altai languages. Translated from the Polish] *Issledovanie po altajskim iazykam*. Moskva, Izd-vo inostr. lit-ry, 1962. 371 p.
- KOVAL', H. P. [Under the sky of the Ukraine; lyrics] *Pid nehom Ukrainy; lirika*. Kyiv, Radlans'kyl pys'mennyk, 1962. 141 p. (MH)
- KOZHEVNIKOV, V. M. [Strong people] *Sil'nye ljudi*. Moskva, Izd-vo "Pravda," 1962. 61 p. (Biblioteka "Ogonek," no. 1)
- KOZLANIUK, P. S. [From life; tales and sketches] *Z zhyttia; opovidania i narysy*. Kyiv, Derzhlitvydav, 1962. 413 p. (MH)
- KRAVCHUK, R. V. [History of Slavic linguistics; the outstanding Slavists] *Z istorii slov'ians'koho movoznavstva; vydatni slavisty-movoznavci*. Kyiv, Radlans'ka shkola, 1961. 139 p. (CAOTU) (MH)
- KRAVTSOV, A. F. [Home addresses; verse and poems] *Rodnye adresy; stikhi, poemy*. Kyiv, Derzhlitvydav, 1962. 166 p. (MH)
- KREUTZWALD, F. R. [Correspondence] *Kirjavnetus. Tolmetuse kolleegium; E. Erila [et al.] Tallin, Eesti Riiklik Kirjastus, [In Estonian]* Vols. 2-4, 1956-1959. (CIY)
- KRONGAUZ, A. M. [Spring-like autumn; verse] *Vesenniaia osen'; stikhi*. Moskva, Sovetskii pisatel', 1962. 166 p. (MH)
- KRUHLAK, IU. M. [Seven handfuls of pepper; feuilletons, fables, parodies, epigrams, and friendly jests] *Sim puchok perstia; feuilletony, balky, parodii, epigramy, družni shurzhii*. Kyiv, Radlans'kyl pys'mennyk, 1962. 121 p. (MH)
- KRUPNIK, I. N. [Snow charge] *Snezhnyi zarjad*. Moskva, Sovetskii pisatel', 1962. 217 p. (MH)
- KRUSTEN, ERNI. [In search of spring; stories and miniatures. Translated from the Estonian] *V poiskakh vssny; rasskazy i miniatury*. Moskva, Sovetskii pisatel', 1962. 236 p. (MH)
- KRUTETSKII, V. A. [Falling stars; verse] *Zvezdopad; stikhi*. [Leningrad] Lenizdat, 1962. 107 p. illus. (MH)
- KUDIEVSKII, K. L. [Song of the dark-blue seas; novel and legend] *Pesnia sinikh morei; roman-legenda*. [Kiev, Molod', 1962] 397 p. (MH)
- KUDIMOV, VIKTOR, pseud. [Martyn, the painter] *Martyn-zhivopisets*. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 211 p. (MH)
- KULEMIN, V. L. [Eternal fire; lyrics] *Vechnyi ogon'; lirika*. Moskva, Voenizdat, 1962. 83 p. (MH)
- KULEMIN, V. L. [Father; a poem and verse] *Otets; poema i stikhi*. Moskva, Izd-vo "Pravda," 1963. 31 p. (Biblioteka "Ogonek," no. 3)
- KULINICH, A. V. [Soviet Russian poetry of the 1930's] *Russkaya Sovetskaya poezia 30-kh godov*. [Kiev] Izd-vo Kievskogo univ., 1962. 165 p.
- KUPER, S. A. [The last word; a novel] *Poslednee slovo*; roman. [Leningrad] Lenizdat, 1962. 854 p.
- KUPRIN, A. I. [The duel] *Poedinok*. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 284 p. (CAOTU)
- KURATOV, G. S. [In a forsaken part of the taiga; a tale] *V glukoii taizhnoi storone; povest'*. Iakutsk, Iakutskoe knizhnoe izd-vo, 1961. 139 p. (MH)
- KURDOEV, K. K. [Objective and subjective conjugation of the transitive verb in Kurdish; from materials on the Kurmanji and Sorani dialects] *Ob'ektivno i sub'ektivno sprazheniye perekhodnogo glagola v kurdskom iazyke; na materiale dialektov kurmandzhi i sorani*. Moskva, Izd-vo vostochnoi lit-ry, 1960. 8 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)
- KUUSBERG, PAUL. [Enn Kalm's second self; a novel. Translated from the Estonian] *Vtoroe ia Enna Kal'ma*; roman. Moskva, Sovetskii pisatel', 1962. 313 p. (MH)
- KUZ'MIN, V. G. [Without father; tale] *Bez ottsa; povest'*. [Moskva] Izd-vo "Molodaa gvardiia," 1962. 175 p.
- KVITKA, H. F. [Soldier's portrait] *Soldats'kyl portret*. Kyiv, Derzh. vyd-vo dyt. lit-ry, 1961. 136 p. (IU)
- LADA, JOSEF. [The sly fox. Translated from the Czech] *O khitroi kume-lise*. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 90 p. (MIDW)
- [LAND OF THE SOVIETS SINGS] *Poet Sovetskaya strana*. [Sost. IA. Shvedov. Moskva] Mosk. rabochii, 1962. 583 p.
- LANKAUSKAS, ROMUALDAS. [Wandering sand] *Klajojantis smelis*. Vilnius, Valstybine grozios literaturos leidykla, 1960. 193 p. [In Lithuanian]
- LEKEROV, ASKAR. [Song of the white birch; a tale and stories] *Pesnia o beloi bereze; povest' i rasskazy*. Alma-Ata, Kazgostizdat, 1962. 118 p. (MH)
- LEO, Archipresbyter, 10th cent. [Romance of Alexander. Translated from the Polish version based on "Historia do proclia"] *Aleksandryia*. Minsk, Vyd-va Akad. nauk BSSR, 1962. 364 p.
- LEONIDZE, G. N. [Works in six volumes. Sochineniia v 6-ti tomakh. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," In Georgian] Vol. 1. 1962. 433 p.
- LESKOV, N. S. [Tales and stories] *Povesti i rasskazy*. Moskva, Gos. izd-vo khudozh. lit-ry, 1955. 618 p. (OU)
- [LET'S SPEAK FRANKLY; humor and satire] *Skazhema vidverta; zbirka humoru i satyry*. [Red. I. Dorkach] L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1962. 116 p. (MH)
- LEVIDOVA, V. I. [Many years later; a one-act play] *Mnogo let spustia; odnoaktinaia p'esa*. Moskva, Izd-vo "Sovetskaya Rossiia," 1962. 23 p. (Biblioteka "Khudozhestvennaya samodelatel'nost'," no. 3)
- LEVSHINA, I., comp. [Friends' humor; stories, skits, and plays] *Humor družei; rasskazy, skenki, p'esy*. Moskva, Iskustvo, 1962. 87 p. (Repertuar khudozhestvennoi samodelatel'nosti, no. 10) (MH)
- LEVYTS'KYI, IVAN. [The Kaidashev family; a tale] *Kaidasheva sim'ia; povest'*. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1961. 166 p. (NNC)

- LIFSHITS, VLADIMIR. [About Vasil and Nastia] Pro Vasil i Nastia. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 10 p. illus. (MIDW)
- LIV, JUAN. [Verse. Translated from the Estonian] Stikhotvoreniia. Moskva, Goslitzdat, 1962. 158 p. (MH)
- LIFKOV, L. A. [Post of seven heroes; stories about border guards] Post semi geroev; rasskazy o pogranichnikakh. Moskva, Detgiz, 1962. 174 p. (Shkol'naya biblioteka)
- LIPAIEV, A. A. [Teaching Russian literature in the 9th grade in non-Russian schools] Predavanie russkoi literatury v IX klasse nerusskoi shkoly. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1959. 513 p. (NNU) (OU)
- LIPEROVSKAYA, N. A. [Teach yourself German] Samouchitel' nemetskogo iazyka. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1961. 525 p. (CLU)
- LISTVINOVA, N. G. [Problems of style in the Russian language] Voprosy stilistiki russkogo iazyka. Moskva, Izd-vo VPSH i AON pri TsK KPSS, (V pomoshch' gazetyam i rabotnikam) Pt. 2. 1962. 158 p. (MICROFILM)
- LONDON, JACK. [Iron Heel. Translated from the English] Zhelezna p'nta; roman. Kyiv, Dorrzh. vyd-vo khudozh. lit-ry, 1959. 237 p. (Biblioteka svitovoi klasyky) (InU)
- LONGFELLOW, HENRY WADSWORTH. [Song of Hiawatha; translated from the English] Pesn' o Galavale. Moskva, Gos. izd-vo khudozh. lit-ry, 1959. 230 p. (IEN)
- LORDKIPANIDZE, K. A. [T'abunia; novellas. T'abunia; novelli. Tbilisi, Detslitzdat Gruzinskoi SSR "Nakaduli," 1962. 44 p. [In Georgian]
- LUCIANUS Samosatensis. [Selected works. Translated from the ancient Greek] Izbrannoe. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 514 p.
- LUGOVSKOI, V. A. [Solstice. Blue spring] Solntsyvorot. Siniaia vesna. Moskva, Sovetskii pisatel', 1961. 178 p. (MH)
- LUKONIN, M. K. [The oath; verse and poems] Klintva; stikhi i poemny. Moskva, Voenizdat, 1962. 141 p. (MH)
- LUR'E, A. N. [M. A. Sholokhov's novel "Virgin soil upturned"] Roman M. A. Sholokhova "Podnialaia Tselina." Izd. 2., ispr. i dop. Leningrad, Ob-vo po raspr. polit. i nauchn. znaniu RSFSR, 1962. 59 p. (Seria "V pomoshch' uchashchimsia starshikh klassov")
- LYOV, UNIVERSYTET. [Problems of Romance and Germanic philology] Pytaniia romano-germanskoi filologii. [L'vov] Vyd-vo L'vivskoho univ., 1961. 184 p. (MH)
- LYTTON, EDWARD GEORGE EARLE LYTTON BULWER-LYTTON, 1st Baron. [Plays. Translated from the English] P'esy. Moskva, Iskusstvo, 1960. 401 p. (Biblioteka dramaturga) (NNC)
- MAIAKOVSKII, V. V. Vladimir Il'ich Lenin. Moskva, Detgiz, 1957. 110 p. (IEN)
- MAK, OL'HA. [Where did the path lead? A tale] Kudy shla stezhka? Opovidannia. New York, "Balava," 1961. 150 p. (InU)
- MAKEEV, A. G. [The way to knowledge] Put' k znaniiu. Moskva, Profizdat, 1959. 54 p. (NNC)
- MAKHENKO, IURII. [We are engineers; a sketch] My z toboiu inzheneriy; narys. Kyiv, Dorrzhlitvydav, 1961. 58 p. (Liudy i problemy sumyatsky) (MH)
- MAKIVCHUK, F. I. U., ed. [Folk smiles] Narodnyi usmishky. Kyiv, Dorrzhlitvydav, 1961. 140 p. (MH)
- MAKSIMOV, N. I. [Murnur, O Amur; a novel] Shumi, Amur; roman. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1961. 315 p. (IU)
- MAKSIMOV, N. I. [The search for happiness; (a novel)] Polaki schastiia; roman. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1962. 533 p. (MH)
- MAMEDOV, M. S. [Azizagi's good fortune] Ezizagany n seadetl. Baky, Ushagencheshr, 1962. 22 p. [In Azerbaijani]
- MAMIN, D. N. [Gold; a novel] Zoloto; roman. Molotov, Molotovskoe knizhnoe izd-vo, 1954. 276 p. (OU)
- MANZHURA, I. I. [Ballads and songs of the steppes; selected verse] Stepye dmy i pesni; izbrannye stikhotvoreniia. Moskva, Goslitzdat, 1962. 142 p. (MH)
- MARKOV, G. M. [The Strogovs; a novel] Strogovy; roman. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1958. 618 p. (OU)
- MARTIN DU GARD, ROGER. [The Thibault family. Translated from the French] Sem'ia Tibo. Moskva, Gos. izd-vo khudozh. lit-ry, 1959. 3 v. (IEN)
- MATSKEVICH, O. V. [Heart of Kamennyie Gory; stories and sketches] Serdse Kamennykh gor; rasskazy i ocherki. Alma-Ata, Kazgoslitzdat, 1962. 181 p. (MH)
- MATVILAS, I. H. [Syntax of the pronoun in the Ukrainian language] Sintaksis zaimennykh v ukrains'kii movi. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 129 p. (CaOTU)
- MAZURENKO, IALIA. [The rapids] Porohy. London [Vyd-vo "Dniprovskii porohy"] 1960. 72 p. (NNC)
- MELEZH, IVAN. [People in the swamplands; from a Polosya chronicle. Novel] Liudi na boloto; iz polevskoi khroniki. Roman. Moskva, Sovetskii pisatel', 1962. 442 p.
- MENOVSHCHIKOV, G. A. [Grammar of the Asiatic Eskimo language] Grammatika iazyka aziatskikh eskimov. Moskva, Izd-vo Akad. nauk SSSR. Pt. 1. [Phonetics and morphology of the nominal parts of speech] Fonetika, morfologiya imennykh chastei rechi. 1962. 300 p.
- MIKHAILOV, S. V. [Pegasus and the poet; fables] Pegus i poet; basni. Leningrad, Khudozhnik RSFSR, 1962. 27 p. (MH)
- MINDY, I. A. [Veretina. Translated from the Komi-Permyak] Veretia. [Perm'] Permskoe knizhnoe izd-vo, 1962. 44 p. (Rasskazy o sovetskikh liudiakh)
- MONOV, TODOR. [There is no death; a novel. Translated from the Bulgarian] Smerit' net; roman. Moskva, Izd-vo inostr. lit-ry, 1962. 270 p.
- MONTVILA, VYTAUTAS. [Verse. Translated from the Lithuanian] Stikhi. Moskva, Goslitzdat, 1962. 264 p. (Biblioteka sovetskoi poezii) (MH)
- MOROZ, Z. P. [The problem of conflict in dramaturgy; essays on the history of Ukrainian realistic drama of the second half of the 19th century] Problema konfliktu v dramaturgii; narysy z istorii ukrains'koi realistichnoi dramy druhoi polovyny XIX st. Kyiv, Radiana'kyi pys'mennyk, 1961. 455 p. (MH) (CaOTU)
- MOSCOW, VSEBOITUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Khristo Botov; a bibliography] Khristo Botov; bio-bibliograficheskii ukazatel'. Moskva, 1960. 139 p. (Pisatel' zarubezhnykh stran) (NNC)
- MOSKALETS, V. K. [In the green woods; a tale] Sered zelenykh lisiv; povist'. Kyiv, Radiana'kyi pys'mennyk, 1962. 202 p. (MH)
- MOVSESIAN, A. M. [Plays. Translated from the Armenian] P'esy. Moskva, Iskusstvo, 1962. 462 p. (Biblioteka dramaturga) (NNC)
- MUKANOV, SABIT. [Story of a contemporary; a tale in verse. Translated from the Kazakh] Skazanie o sovremennike; povest' v stikhakh. Alma-Ata, Kazgoslitzdat, 1962. 165 p. (MH)
- MUMINOV, P., comp. [Articles on Khaniza] [Sbornik statei o Khamze. Tashkent, Goslitzdat, UzSSR] 1960. 225 p. [In Uzbek] (MH)
- MURATOV, V. V. [Rumila; a tale] Rumila; [povest']. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1962. 189 p. (MH)
- MURZIDI, K. G. [High heaven; selected verse] Vysokoe nebo; izbrannye stikhi. Moskva, Sovetskii pisatel', 1962. 197 p. (MH)
- MUSATOV, A. I. [Wide windows; stories and tales] Shirokie okna; rasskazy i povesti. Moskva, Sovetskii pisatel', 1961. 546 p. (MH)
- MUSHNYK, S. M. [Hello, people; poems] Zdrastuite, liudi. Kyiv, Dorrzhlitvydav, 1962. 143 p. (MH)
- MUSREPOV, GABID. [The awakened region; a novel. Translated from the Kazakh] Prochuzhdennyi kraj; roman. Izd. 2. Alma-Ata, Kazakhskoe goslitzdat [1962] 527 p. (MH)
- MYKYTENKO, I. K. [On the literary front, 1927-1937; articles, reports, and speeches] Na fronti literatury, 1927-1937; statii, dopovidi, promovy. Kyiv, Radiana'kyi pys'mennyk, 1962. 337 p. (MH)
- MYNKO, VASYL'. [My Minkovka; an autobiographical tale] Moia Mynkivka; avtobiografichna povist'. Kyiv, Radiana'kyi pys'mennyk, 1962. 150 p. (MH)
- NAGIBIN, IURII. [The great embassy; a historical tale] Velikoe posol'stvo; istoricheskai povest'. Moskva, Gos. izd-vo detskoi lit-ry, 1959. 181 p. (MIDW)
- NAGISHKIN, DMITRII. [Heart of Bonivur; a novel] Serdse Bonivura; roman. [Leningrad] Sovetskii pisatel', 1947. 430 p. (CU)
- NAIDAKOV, V. TS. [Notes on present-day Buryat literature] Zametki o sovremennoi buriatiskoi literature; stat'i. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 104 p. (MH)
- NAUMOV, E. I. [Seminar on Malakovskii] Seminarii po Malakovskomu. Izd. 2., perer. i dop. Moskva, Gos. uchebno-pedagog. izd-vo, 1953. 268 p. (MIU) (OU)
- NEFEIIN, VASYL'. [pseud. Golden pail; a tale] Zolote viderise; opovidannia. Kyiv, Dorrzhlitvydav, 1962. 127 p. (MH)
- NEKRASOV, N. A. [Dead lake; a novel] Mertvoe ozero; roman. Alma-Ata, Kazakhskoe gos. uchebno-pedagog. izd-vo, 1960. 769 p. (IEN) (InU) (OU)
- NEKRASOV, N. A. [Tom Thumb] Muzhichok s nogotok. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 11 p. (MIDW)
- NIEMCHENKO, IURII. [A. S. Pushkin in Ekaterinoslav; a historical and regional sketch] O. S. Pushkin v Katerynoslavi; istoriko-kraevednychi narys. [Dnipropetrovsk] Dnipropetrovsk'e knyzhkovye vyd-vo, 1959. 51 p. (NNC)
- NIKITIN, S. K. [Campfire in the wind; stories] Koster na volnu; rasskazy. Moskva, Molodaiia gvardiia, 1960. 341 p.
- NIKOLAEV, M. P. [Seminar on Chernyshevskii] Seminarii po Chernyshevskomu; uchebno-metodicheskoe posobie dlia vuzov. Moskva, Gos. uchebno-pedagog. izd-vo, 1954. 179 p. (OU)
- NORRIS, FRANK. [Octopus; a tale of California. Translated from the English] Sprut; kaliforniiskaia povest'. Moskva, Izd-vo khudozh. lit-ry, 1958. 430 p. (CU-B)

- [THE NORTH CALLS; literary works] Sever zovet; literaturno-khudozhestvennyi sbornik [Sost. S. D. Shevchuk] IAKutsk, IAKutskoe knizhnoe izd-vo, 1982. 157 p. (MH)
- NOSOV, N. N. [Jolly stories and tales] Veselye rasskazy i povesti. Moskva, Gos. izd-vo det'skoi lit-ry, 1958. 685 p. (Shkol'naya biblioteka) (LU)
- NOVIKOV, I. H. [Ruins' shoot point-blank; a documentary tale] Ruiny stralajuts' va upor; dokumental'naya apovest'. Minsk, Dzalrzh. vyd-va BSSR, 1982. 434 p. (MH)
- NOVIKOV, A. N. [Souls living and dead; a novel] O dushakh zhivyykh i mertvykh; roman. Moskva, Sovetskii pisatel', 1959. 483 p. (OU)
- NOVIKOV-PRIBOL, A. S. [Collected works in five volumes] Sbornik sochinenii v piati tomakh. Moskva, Izd-vo "Pravda," (Biblioteka "Ogonek") Vols. 1-3. 1983.
- NUD'HA, H. A. [T. H. Shevchenko's "Testament,"] Zapov'it T. H. Shevchenka. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 39 p. (LU MH)
- NUOMAN, KHABIB. [Tale of an old love. Translated from the Uzbek] Povest' o staroi liubvi. Tashkent, Goslitizdat, UzSSR, 1961. 143 p. (MH)
- NUŠIĆ, BRANISLAV D. [Autobiography. Translated from the Serbo-Croatian] Avtobiografija. [Kulby - shav] Kulbyshevskoe knizhnoe izd-vo, 1961. 196 p.
- OBUKHOVA, L. A. [Kindness; a short tale] Dobrotai; malen'kaya povest'. [Moskva] Izd-vo "Molodaya gvardiya," 1962. 45 p.
- OKTIABREV, I. I. [Heavenly life] Raskazhi zhizni. Munkh, 195- (CU)
- OLINYK, S. I. [Be well!] Zodoroven'ki buty. Kyiv, Derzhlitvydav, 1962. 398 p. (MH)
- [ON THE ANNIVERSARY OF THE ROMANIAN REPUBLIC, 1947-1962. Translated from the Romanian] Ke dnu respublikii, 1947-1962, [Bucharest, Red. "Narodnata Rumynia,"] 1962. 46 p. (Biblioteka "Narodnata Rumynia," no. 12)
- OSTROVSKII, N. A. [How the steel was tempered] Kak zakalilas' stal'. Moskva, Gos. uchebno-pedagog. izd-vo, 1959. 295 p. (Biblioteka shkol'nika) (CU) (PPIU)
- OTAKHONOVA, KHURSHEDA [Rakhim Dzhalil and his works. Rakhim Dzhalil i ego tvorchestvo. Dushanbe, Akad. nauk Tadzhikskoi SSR] 1962. 156 p. [In Tajik] (MH)
- OVALOV, I. S. [Tales] Povesti. Moskva, Sovetskii pisatel', 1961. 538 p. (MH)
- OVCHEVNIKOV, M. I. [On the road; stories] V puti; rasskazy. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1961. 103 p. (MH)
- OVECHKIN, K. S. [Hello, friend; poems] Zdravstvui, drug. [Blagoveshchensk] Amurskoe knizhnoe izd-vo, 1958. 108 p. (MKU)
- OZDOEV, I. A., A. G. MATSIEV, and Z. D. DZHAMALKHANOV, comps. [Ingush-Chechen-Russian dictionary] Ingushsko-chechensko-russkii slovar'. Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1962. 212 p. (MH)
- PAKHALINA, T. M. [The Sarykol' dialect and its relationship to other dialects of the Shugnan-Rushan language group] Sarykol'skii dialekt i ego otnosheniye k drugim dialektam shugnano-rushanskoiazykovoi gruppy. Moskva, Izd-vo vostochnoi lit-ry, 1960. 17 p. (XXV Mezhdunarodnyi kongress vostoekovedov; doklady delegatsii SSSR)
- PALAGUTA, N. S. [With resolute steps to the sun; (verse)] K solntsu upriamyy shag; [stikhi]. Kyiv, Derzhlitvydav, 1962. 66 p. (MH)
- PAUSTOVSKII, K. G. [Lost novels] Poterlannyye romany. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1962. 254 p.
- PEREVALOV, M. I., pseud. [On the surf's line; verse] U lini priboia; stikhi. Moskva, Sovetskii pisatel', 1962. 94 p. (MH)
- PERMIK, E. A. [Today and yesterday; selected works] Segodnia i vchera; izbrannoe. Moskva, Sovetskii pisatel', 1962. 728 p. (MH)
- PETROV, A. P. [Beyond the blue pine forest] Za sin'iu khvol. [Kostroma] Kostromskoe knizhnoe izd-vo, 1961. 44 p. (MH)
- PETUNIN, P. I. [My friend Vasilii Chekurov] Moi drug Vasilii Chekurov. [Leningrad] Lenizdat, 1961. 165 p. (MH)
- PIDSUKHA, OLEKSANDR. [Polysse trilogy; a novel in verse] Polysse triyohlia; [virshevaniy roman]. Kyiv, Derzhlitvydav, 1962. 262 p. (MH)
- PEKUL, V. S. [Sea patrol; a novel in two parts] Okeanskii patrul'; roman v dvukh chastyakh. [Leningrad] Lenizdat, 1961. 2 v. (NMC)
- PINAEV, I. D. [Courage; a poem] Muzhestvo; poema. Saransk, Mordovskoe knizhnoe izd-vo, 1961. 62 p. (MH)
- [POETRY OF THE SUNG PERIOD. Translated from the Chinese] Poesiia epokhi Sun. [Vstup. stat'ia V. A. Krivtsova. Moskva, Gos. izd-vo khudozh. lit-ry, 1959] 359 p. (JEN)
- POLJANSKII, A. F. [Pamir legend; a tale] Pamirskaya legenda; povest'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1961. 84 p. (MH)
- POLTORATEKII, V. V. [Green branch; Moshcherna stories] Zolotaya vetka; moshchernskie istorii. [Moskva, Sovetskii pisatel', 1961] 218 p. (MH)
- POZDNIakov, S. IA. [A branch; verse] Vetka; stikhi. [Tula] Tul'skoe knizhnoe izd-vo, 1961. 62 p. (MH)
- PRELOVSKII, A. V. [Small man; a one-act play] Malen'kii chelovek; odnoaktynaya p'esa. Moskva, Izd-vo "Sovetskaya Rossiia," 1962. 26 p. (Biblioteka "Khudozhestvennaya samodeiatel'nost'," no. 30)
- PRISHVIN, A. S. [Youth never dies. Silver rails [and] Rustle, talga, rustle] Mnech' ne umiraet. Serebranyye rel'sy [and] Shumi, talga, shumi [By] V. A. Chivilikhin. Moskva, Molodaya gvardiya, 1962. 428 p. (Biblioteka izbrannykh rovoitustanno-romanticheskikh proizvedenii sovetskikh pisatelei v 5 tomakh, no. 4)
- PROKOF'EV, A. A. [Verses about Russia] Stikhi o Rossii. [Leningrad] Lenizdat, 1946. 80 p. (CU)
- PROKOPOVICH, PEOFAN. [Works] Sochinenia. Pod red. I. P. Eremina. Moskva, Akad. nauk SSSR, 1961. 501 p. (NMC)
- PRUDKOVSKII, P. N. [Second spring; stories] Vtoraya vesna; rasskazy. Voronezh] Voronezhskoe knizhnoe izd-vo, 1961. 162 p. (MH)
- PULATOV, MUKHITDIN. [The influence of the Russian language on the development of the Uzbek language; materials on word formation. Villante russkogoazyka na razvitiye uzbekskogoazyka; materialy po slovoobrazovaniiu. Tashkent, Akad. nauk UzSSR] 1956. 43 p. [In Uzbek] (MH)
- PUSHKIN, A. S. [Song of Oleg the Sage] Pesn' o veshchem Olego. Moskva, Gos. izd-vo det'skoi lit-ry, 1961. 23 p. (MIDW)
- PUSHKIN, A. S. [Tale of the dead princess and the seven bogatyrs] Skazka o mertvoi tsarevne i o semi bogatyryakh. Polnozavodsk, Gos. izd-vo Karelskoi ASSR, 1960. 32 p. (MIDW)
- PUSHKIN, A. S. [Tale of the fisherman and the little fish] Skazka o rybake i rybke. [Moskva, Sovetskaya Rossiia, 1950] 1 v. (MIDW)
- PUSTOVOIT, P. G. [Word and image in literary works] Slovo i obraz v khudozhestvennom proizvedenii. Moskva, Izd-vo "Znamie," 1962. 31 p. (Novoe v zhizni nauke, tekhnike. VI Seriya: Literatura i iskusstvo, no. 1)
- RAKHILLO, I. S. [Moscow meetings] Moskovskie vstrechi. [Moskva] Mosk. rabochii, 1962. 308 p.
- RASTORGUEVA, V. S. [Classification of Tajik dialects] Opyt klassifikatsii tadzhikskikh govorov. Moskva, Izd-vo vostochnoi lit-ry, 1960. 16 p. (XXV Mezhdunarodnyi kongress vostoekovedov; doklady delegatsii SSSR)
- REBRO, P. P. [Rays from the heart; lyrics, satire, and humor] Prominnia seretsia; liryka, satyra ta humor. Kyiv, Derzhlitvydav, 1962. 242 p. (MH)
- REKEMCHUK, A. E. [Time of the summer holidays; tales and stories] Vremia letnikh otpuskov; povesti i rasskazy. Moskva, Sovetskii pisatel', 1961. 217 p. (MIU)
- RESPUBLIKANSKOE SOVESHCHANIJE PO VOPROSAM ULUCHSHENIJA PREPODAVANIJA RUSSKOGO IAZYKA V NERUSSKIIKH SHKOLAKH AZERBAIDZHANSKOI SSR, Baku, 1962. [Materials of the Republic Conference on Improvement of Russian Language Teaching in Non-Russian schools of the Azerbaijan S.S.R.] Materialy. Baku, Azerbaidzhan, 1962. 250 p.
- [REVELATION; verse] Otkrovenie; stikhi. [Red. T. B'ina. Moskva] Mosk. rabochii, 1962. 191 p. (MIU) (MIU)
- RIADCHENKO, I. I. [As long as there is war in the world; poems] Poka na sveto est' voyna. Kyiv, Khudozh. lit-ry, 1958. 218 p. (MIU)
- RIS, VASSILI. [Grains and husks] Ryad ja soklad. Tallinn, Eesti Riiklik Kirjastus, 1962. 103 p. [In Estonian]
- ROKVA, SHOTA. [A father's smile; verse. Translated from the Georgian] Ulybka ottsa; stikhi. Moskva, Sovetskii pisatel', 1962. 65 p. (MH)
- ROSTOV-ON-DON, UNIVERSITET. [Russian orthography and punctuation; a textbook] Ortografija i punktuatsiia russkogo iazyka; uchebnoe posobie. Rostov-on-Donu, 1962. 139 p. (MICROFILM)
- ROZENTAL', D. M. [Problems of Russian spelling] Voprosy russkogo pravopisaniia; prakticheskoe rukovodstvo. [Moskva] Izd-vo Mosk. univ., 1962. 156 p.
- RUBCHAK, BOHDAN. [Girl without a country; third volume of poetry] Divchyni bez krainy; tretia zbirka poezii. New York, V-vo N'iu-Yorkskoi Gruppy, 1958. 48 p.
- RUDANS'KYI, STEPAN. [Humorous songs] Spivomoky. Kyiv, [Derzh. vyd-vo khudozh. lit-ry] 1962. 139 p. (CAOTU)
- RUDEKNO, M. D. [Wind in the face; a novel] Vliet' oblyechia; roman. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1961. 304 p. (GU)
- RUDEKNO, V. I. [Spring roads; verse] Vesennye dorogi; stikhi. Kiev, Molod', 1962. 82 p. (MH)
- [RUSSIAN DRAMATISTS OF THE 18th AND 19th CENTURIES] Russkie dramaturgi XVIII-XIX vv.; monografiicheskie ocherki v trekh tomakh. Red. kollegiya: O. P. Bordinikov i dr. Leningrad, Izd-vo "Iskusstvo," Vol. 3. [Second half of the 19th century] Vtoraya polovina XIX veka. Pod red. D. I. Bursova 1962. 461 p.
- RUSTAVELI, SHOTA, fl. 1190. [Variants of the manuscript of Rustaveli's poem "Knight in a tiger's skin." Variants rukopisei poem Rustaveli "Vil'ia" v tigrovoi shkure." Tbilisi, Izd-vo Akad. nauk Gruzskoi SSR, In Georgian] Pt. 3. 1962. 585-885 p.

- RYBALKO, N. A. [Soldier's glory; verse] Soldatskaya slava; stikhi. Moskva, Voen. izd-vo, 1959. 61 p. (MIU)
- RYLENKOV, N. I. [Book of loyalty; lyric verse] Kniga vernosti; liricheskie stikhi. Moskva, Voenizdat, 1961. 124 p. (MH)
- RYLENKOV, N. I. [In the light of the rovan; verse] Rabinovyi svet; stikhi. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 220 p.
- RYL'S'KYI, MAKSYM. [In the shadow of a skylark; verse of 1960 and 1961] V zatinku zhyvoronka; poezii 1960-1961 rr. Kyiv, Derzhlitvydav, 1961. 52 p. (MH)
- RYL'S'KYI, MAKSYM. [Works in ten volumes] Tvory v desiaty tomakh. Kyiv, Derzh. vyd-vo khudozh. lit-ry. Vol. 10. [Articles on literature and art] Statii pro literaturu i mystetstvo. 1962. 412.
- RYNDYK, STEPAN. [Adventures and people; stories] Prykhydy i liudy; opovidannya. Chicago, Vyd. koshom i trudom T-va prykhyl'nykh tvorchestv Stepana Ryndyka, 1960. 396 p. (MIU)
- RYSKULOV, RAMIS. [Starry ago; verse. Translated from the Kirghiz] Zvezdnyi vozrast; stikhi. Moskva, Sovetskii pisatel', 1961. 74 p. (MH)
- SABUROVA, IRINA. [Ships of Starry Gorod] Korabli Starogo Goroda. [Munich, 1962?] 490 p.
- SAIANGALIEV, D. S. [Auxiliary words in the Bashkir language] Skuzhebye slova v bashkirskomazyke. Ufa, Bashkirskoe knizhnoe izd-vo, 1960. 106 p. [In Bashkir] (MI)
- SAHAR, FAIZULLAEV. [Greeting the sun. Translated from the Uzbek] Vstrocha s solntsem. [Moskva] Molodaya gvardiya, 1961. 102 p. (MH)
- SALENIEKS, EDUARDS. [Generous life; stories. Translated from the Latvian] Shchedraia zhizn'; rasskazy. Moskva, Sovetskii pisatel', 1961. 114 p. (MH)
- SALIAMOV, GAIBULLA. [Translation of proverbs and idiomatic expressions. Perovod poslovia i idiomaticheskikh vyrazhenii. Tashkent, Akad. nauk UzSSR] 1961. 100 p. [In Uzbek] (MI)
- SALTYKOV, M. E. [Tales] Skazki. Moskva, Gos. uchelno-pedagog. izd-vo, 1959. 92 p. [Biblioteka shkol'nika] (OU)
- SAMOILOV, L. S., and B. P. SKORBIN. [I believe in you; a documentary tale] Veru v tebia; dokumental'naya povest'. [Kafuga] Kaluzhskoe knizhnoe izd-vo, 1962. 229 p. (MI)
- SAZONOV, A. M. [Sunny distances; verse] Solnechnye daly; stikhi. [Driane] Drianskii rabochii, 1962. 31 p. (MH)
- SEMEV, G. S. [The North sings; verse by poets of the Far North] Sever poet; stikhi poetov Krainogo Severa. Leningrad, Sovetskii pisatel', 1961. 330 p. (MI)
- SEMPER, JOHANNES. [Collected works] Teosed. Tallin, Eesti Riiklik Kirjastus, [In Estonian] Vol. I. [Poems] Luuletused. 1962. 358 p.
- SEMPER, JOHANNES. [Verse. Translated from the Estonian] Sühkivorenita. Moskva, Goslitizdat, 1962. 108 p. (CIY) (MI)
- SEN'KO, HRYHORIL. [Genuine Ukrainian folklore under the Soviets; popular sayings and chastushki] Pravdyvii ukrains'kyi fol'kl'or pid sovityany; narechni pryrovdky-chastivky. [Winnipeg, Novyi shliakh] 1947. 32 p. [Desheva biblioteka Novoho shliakhu, no. 1] (IU)
- SEREBRIKOVA, G. I. [Stealing of fire; a novel] Pokhishchenie ognia; roman. Knigi 1-2. Moskva, Sovetskii pisatel', 1962. 838 p.
- SERGEIEVA, K. S. [Storyteller Kivagmo] Skazochnik Kivagmo. [Magadan] Magadanskoe knizhnoe izd-vo, 1962. 134 p.
- SERMAN, B. E. [Heart of my diary; verse of various years] Serdtsa moego dnevnika; stikhi raznykh let. Simferopol', Krymizdat, 1962. 150 p. (MH)
- SEVEROV, P. F. [Stars over the sea; stories and tales] Zvezdy nad morem; rasskazy i povesti. Kyiv, Derzhlitvydav, 1962. 429 p. (MH)
- SHAGAL, V., comp. [Stories by Iraqi authors. Translated from the Arabic] Rasskazy irakskikh pisatelei. Moskva, Goslitizdat, 1961. 222 p. (MH)
- SHAMKOVICH, A. I. [Stories with a smile] Rasskazy s ulybkoi. Moskva, Sovetskii pisatel', 1962. 389 p. [Publ. under his pseud. Sergei Zvantsev]
- SHAPA, L. A. [Militant youth] Iunost' bovala. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 126 p.
- SHARSHUN, SERGEI. [The victor; a play] Pobeditel'; p'sea. Paris, 1950. 24 p. (MI)
- SHASHKIN, ZEIN. [Guiding star; a tale and stories. Translated from the Kazakh] Putevodnaya zvezda; [povest' i rasskazy] Alma-Ata, Kazakhskoe goslitizdat, 1961. 133 p. (MI)
- SICHEGOLIKHIN, L. P. [Gray field; tales and stories] Sedoe pole; povesti i rasskazy. Alma-Ata, Kazgoslitizdat, 1962. 195 p. (MI)
- SHENGELIA, I. G. [Spoken Vulgar Latin] Narodno-rzgovornaya latyn'. Tbilisi, Gos. izd-vo uchelno-pedagog. lit-ry "TSodna," 1962. 105 p.
- SHENSHIN, A. A. [Snow and more snow] Sneg da snog. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 14 p. [Shkol'naya biblioteka dlia nerusskikh shkol'] (MIW)
- SHEPELEVA, L. S. [Writer and patriot; an account of the life and work of V. Gantsov] Pisatel', patriot; ocherk o zhizni i tvorchestvo V. Gantsova. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 31 p. (MI)
- SHEVCHENKO, T. H. [The bard. From the 1861 "Osnova." Centennial commemoration of the first edition in book form] Kolzar. Iz "Osnovy" 1861 roku. Pershe knyzhkovye vydannia z nabydy storichchia. Za red. Iar. Rudnyts'koho. Winnipeg, 1961. 172 p. [Ukrains'ka vilt'na akademika nauk. Instytut shevchenkoznavstva. [Vydannia] ch. 5] (CU)
- SHEVCHENKO, T. H. [Poems] Poezii. Munich, Molode zhyttia, 1961. 115 p. [Texts in Ukrainian, English, French, and German] (CaOTU)
- SHKERN, M. R. [School of courage; on M. Sholokhov's "Virgin Soil Upturned"] Shkola muzhestva; o Podniatol' tseline M. Sholokhova. Moskva, Goslitizdat, 1962. 117 p. [Massovaya istoriko-literaturnaia biblioteka] (CIY) (MI)
- SHOGENTSUKOV, ADAM. [From heart to heart; verse. Translated from the Kabardian] Ot serdtsa k serdtsu; stikhi. Moskva, Sovetskaya Rossiya, 1962. 146 p. (MH)
- SHOLOKHOV, M. A. [Road; little road] Put' - dorozhen'ka. [Moskva] Molodnaya gvardiya, 1962. 202 p. illus. [Sovetskii pisatel' - dotlam] (NIC) (CIY)
- SHOLOKHOV, M. A. [Virgin soil upturned] Podniatlaia tselina. Moskva, Sovetskaya Rossiya, 1960. 2 v. (OU)
- SHOVKOPLIAS, IU. IU. [Men live twice; a novel] Liudyny zhyve dvichy; roman. Kyiv, Radians'kyy pyshmennyk, 1962. 434 p. (MI)
- SHIPANOV, N. N. [Arsonists; a novel] Podzhigateli; roman. [Leningrad] Leningr. gazeto-zhurnal'noe i knizhnoe izd-vo, 1955. 2 v. (OU)
- SHTEN, A. L. [Critical realism and Russian drama of the 19th century] Kriticheskii realizm i russkaya drama XIX veka. Moskva, Goslitizdat, 1962. 394 p.
- SHTEN, A. P. [Plays] P'sey. Moskva, Iskusstvo. 590 p. (CaOTU) (CIY)
- SHUMOV, M. L. [Life calls; a tale] Zhizn' zovet; povest'. Minsk, Gos. izd-vo BSSR, 1962. 116 p. (MI)
- SHVARTS, E. L. [Folk tales, tales, and plays] Skazki, povesti, p'sey. Leningrad, Gos. izd-vo detskoi lit-ry, 1960. 356 p. [Shkol'naya biblioteka] (IU)
- SIMONOV, K. M. [In the name of friendship; selected verse] Vo imia druzhby; izbrannye stikhotvoreniia. Moskva, Gos. izd-vo detskoi lit-ry, 1961. 142 p. [Poeticheskaya biblioteka shkol'nika] (MIW)
- SKOROKHOV, M. E. [Superior forces; a novel] Prevoshkodnashchie sily; roman. [Arkhangelsk] Arkhangel'skoe knizhnoe izd-vo, 1961. (NIC)
- SLOVO O POLKU IGOREVE. [Lay of Igor's Host] Slovo o polku Igorevii; poetichnyi perespiv Oks'ia Kovalenka. [Dnipropetrovsk] Dnipropetrovskoe knizhnoe vyd-vo, 1960. 88 p. (OU)
- SMILANS'KYI, L. I. [Youth of a poet; a novel] Molodost' poeta; roman. [Moskva] Molodnaya gvardiya, 1961. 239 p. (MI)
- SMIRNOV, S. A. [Teaching literature in grades 5-8] Prepodavanie literatury v V-VIII klassakh. Moskva, Uchpedgiz, 1962. 266 p.
- SMIRNOV, S. V., and I. I. IGIN. [Complain loudly; parodies, caricatures, epigrams] Dobro obzhalovat'; parodi, shurzh, epigrammy. Moskva, Izd-vo "Molodnaya gvardiya," 1962. 96 p.
- SMIRNOV-CHEKKEZOV, A. I. [My young friends; a tale] Moi molodye druz'ia; povest'. Moskva, Sovetskii pisatel', 1961. 204 p. (OU)
- SMIRNOVA, E. V. [The heiroas; a one-act play] Naskodnitsa; odnoaktnaia p'sea. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 38 p. [Biblioteka "Khudozhestvennaya samodelfitel'nost'," no. 29]
- SMOLITSKH, V. G. [Mikhailo Lomonosov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 37 p.
- SMOLYCH, IURIL. [The broad Dniester roars and moans; a novel. Translated from the Ukrainian] Revot i stonot Dnepr shirokii; roman. Moskva, Sovetskii pisatel', 1962. 873 p. (MI)
- SNEGIN, D. F. [The truce envoy comes out of the Rostelstog; Autumnal equinox; tales] Parlamentar vykhodit iz roistelstaga, Osennoe ravnodenstvie; povesti. Alma-Ata, Kazgoslitizdat, 1962. 106 p. (MI)
- SOKOLOV, V. AN., ed. [Novgorod motifs in Nekrasov's poetry] Novgorodskii vklad v poeziu Nekrasova. [Novgorod] Novgorodskaya pravda, 1961. 63 p. (MI)
- SOLOV'EV, L. V. [Tale of Khwajah Nasr al-Din] Povest' o Khodzhe Nasreddino. [Leningrad] Lenizdat, 1956. 553 p. illus. (OU)
- SOLOV'IEVA, L. V., and L. K. CHIKINA. [Studying the adverb in school] Izuchenie narechiia v shcole. Moskva, Uchpedgiz, 1962. 94 p.
- [SONG OF COURAGE; verse on the Soviet Army] Posnia muzhestva; stikhi o Sovetskoi Armii. Moskva, Detgiz, 1958. 477 p. [Shkol'naya biblioteka] (IEN)
- [SONGS OF RUSSIAN WORKERS; from the 18th to the beginning of the 20th century] Posni russkikh rabochikh; XVIII-nachalo XX veka. Vstup, stat'ia, podgotovka teksta i primochaniia A. I. Nutrikhina. Moskva, Sovetskii pisatel', 1962. 297 p. [Biblioteka poeta. Bol'shain sorita, 2. izd.]
- [SONGS OF WRATH; verse of Soviet and foreign poets] Posni gnova; stikhi sovetskikh i zarubezhnykh poetov. Moskva, Voennoe izd-vo, 1961. 63 p. (MI)
- SOROKA, D. M. [Open your heart to me; a tale] Vidkryi meni serdse; povist'. Kyiv, Molod', 1962. 248 p. (MI)
- SOSIURA, V. M. [Poetry does not sleep] Poezila ne spyi'. Kyiv, Derzhlitvydav, 1961. 78 p. (MI)

- STADNIUK, I. F. [The heart remembers; tales and stories] *Serdtshe pominut; povesti i rasskazy*. Moskva, Voen. izd-vo, 1962. 366 p. (MH)
- STARTSEV, V. V. [Stars in the mountains; a tale] *Zvezdy v gorakh; povest'*. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 230 p. illus. (MH)
- STARITSKY, M. P. [Karmeluk; a historical novel in three volumes] *Karmeluk; istoricheskii roman v tri'okh tomakh*. Winnipeg, Trident Press Ltd., 1960. 3 v.
- STEL'MAKH, M. P. [Truth and falsehood (Marko Bessmertny); a novel] *Pravda i krovda (Marko Bessmertny); roman*. Moskva, Sovetskii pisatel', 1952. 476 p. (MH)
- STEPANOVA, M. D., and I. I. CHERNYSHEVA. [Lexicology of modern German] *Leksikologiya sovremenno-go nemetskogo yazyka*. [Moskva] Gos. izd-vo 'Vys-shaya shkola', 1962. 309 p.
- STETSENKO, A. N. [The compound sentence in Old Russian] *Slozhnosochlennoe predlozhenie v drevnerusskom yazyke*. Tomsk, Izd-vo Tomskogo univ. 1962. 131 p. (MH)
- STEVENSON, R. L. [Treasure Island. Black Arrow. Translated from the English] *Ostrov sokrovishch. Chernaya strela*. [Postscript by I. A. Kashkova, Moskva] Delgiz, 1960. 428 p. (Biblioteka priklucheni i nauchnoi fantastiki) (LEN)
- [STORIES BY TAJIK WRITERS. Translated from the Tajik] *Rasskazy tadzhikskikh pisatelei*. [Sest.: I. Levshina i dr.] Stalinabad, Tadzhikskoe gos. izd-vo, 1957. 379 p. (InU)
- SULEIMENOV, OLZHAS. [Sunny nights; verse] *Solnechnye nochi; stikhi*. Alma-Ata, Kazgostizdat, 1962. 161 p. (MH)
- SURAZAKOV, S. S. [N. Ulagashev, a teller of tales] *[Skazitel' N. Ulagashev. Gorno-Altalskoe Gorno-Altalskoe knizhnoe izd-vo, 1961. 34 p. [In Allat] (MH)*
- SVERDLOVSK. PUBLICHNAIA BIBLIOTEKA IMENI V. G. BELINSKOGO. [Pavel Petrovich Bazhov; 1879-1950; a bibliography] *Pavel Petrovich Bazhov, 1879-1950; bio-bibliograficheski ukazatel'*. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1960. 202 p. (MH)
- SYTIN, V. A. [Conquerors of the everlasting storms; science fiction] *Pokoriteli vechnykh bur'; nauchno-fantasticheskaia povest'*. Moskva, Gos. izd-vo detokol lit-ry M-va prosv. RSFSR, 1955. 123 p. illus. (C)
- [T. H. SHEVCHENKO IN THE REMINISCENCES OF HIS CONTEMPORARIES] *T. G. Shevchenko v vospominaniakh sovremennikov*. [Moskva] Goslitizdat, 1962. 511 p. (Seria literaturnykh memoarov)
- TAIR-ZADE, MIRZA-ALEKBER. [Selected satire. Translated from the Azerbaijani] *Izbrannye satiry*. Moskva, Goslitizdat, 1962. 249 p. [Publ. under his pseud. Sabir]
- TARATUTA, E. A. [In the footsteps of the 'Gadfly'] *Posledni "Ovoda"*. Moskva, Delgiz, 1962. 209 p.
- TARKOVSKI, A. A. [Before the snow; verse] *Pered snegom; stikhi*. Moskva, Sovetskii pisatel', 1962. 141 p. (MH)
- TATARENKO, L. S. [Red earth; verse] *Krasnaya zemlia; stikhi*. Kiev, Radlans'kii pis'mennik, 1962. 69 p. (MH)
- TEKUCHEV, A. V. [Method of grammatical analysis; a teacher's manual] *Metodika grammaticheskogo razbora; posobie dlia uchitelei*. Izd. 4. Kiev, "Radlans'ka shkola", 1954. 334 p. (LEN)
- TEMKIN, A. M. [Magic word; a one-act play] *Vol'shebnoe slovo; odnoaktnaia p'esa*. Moskva, Iskustvo, 1962. 15 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no. 11) (MH)
- TERAPIANO, IU. K., ed. [The muse of the Diaspora; selected verse of our poets in foreign countries, 1920-1960] *Muza Diaspory; izbrannye stikhi zarubezhnykh poetov, 1920-1960*. [Frankfurt am Main] Posev, [1960] 360 p.
- TOLSTOI, A. N. [Peter the First; a novel] *Petr Pervyi; roman*. Moskva, Gos. izd-vo khudozh. lit-ry, 1953. 785 p. (Biblioteka sovetskogo romana) (N)
- TOLSTOI, L. N. [In the meadow; stories and fables] *Na lugu; rasskazy i basni*. Moskva, Gos. izd-vo detokol lit-ry, 1960. 30 p. (Shkol'naya biblioteka dlia nerusskikh shkol) (MIDW)
- TOMAN, NIKOLAI [Reconnaissance scouts; stories] *Razvedchiki; rasskazy*. [Moskva] Gos. izd-vo detokol lit-ry [1952] 317 p. (Biblioteka priklucheni) (RU)
- TRAKTEROV, A. L. [English phonetic terminology] *Angliiskaya foneticheskaya terminologiya; spravocnoe posobie dlia studentov i prepodavatelei vuzov inostrannykh yazykov*. Moskva, Izd-vo lit-ry na inostr. yazykakh, 1962. 347 p.
- TRIAPKIN, N. I. [Crossroads; verse] *Perekrestki; stikhi*. [Moskva] Moskovskii rabochii, 1962. 161 p. (MH)
- TROITSKII, M. V. [Verse and poems] *Stikhotvoreniia i poemy*. Moskva, Sovetskii pisatel', 1962. 105 p. (MH)
- TSYBUL'SKIY, BORYS. [Wandering brethren; paths of the finger of the Lord] *Mandruichi pobratymy; stezhky persta Hospodn'oho. Povest'*. Paris, 1962. 102 p. (MH)
- TUGLAS, FRIEDEBERT. [Collected works] *Teased*. [Tallinn] Eesti Riiklik Kirjastus. [In Estonian] Vol. 3. [Little Ilmar; the story of a childhood] *Vaike Ilimar; uhe lapsepolve lugu*. 1962. 477 p.
- TUKHVALTILIN, R. G. [Works. Translated from the Tartar] *Sochinenie*. Moskva, Goslitizdat, 1961. 18 p. (Rasskazy sovetskikh pisatelei) (MH)
- TUMILEVICH, F. V., ed. [Folk tales and legends of the Nekrasov Cossacks] *Skazki i predani kazakov nekra-sovsev*. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1961. 271 p. (ICU)
- TURGENEV, I. S. [A sportsman's sketches] *Zapiski okhotnika*. Moskva, Gos. izd-vo detokol lit-ry, 1961. 203 p. (Shkol'naya biblioteka dlia nerusskikh shkol) (NJR)
- TVARDOVSKI, A. T. [Vasilii Terkin. [Leningrad] Leningradskoe gazeto-zhurnal'noe i knizhnoe izd-vo, 1953. 217 p. (Biblioteka shkol'nikov) (OU)
- TYCHINA, P. H. [Wide horizons of communism; poems] *Kommunizmu dali vydni*. Kyiv, Derzhlitvydav, 1961. 60 p. (MH)
- TYCHINA, P. H. [Works] *Sochineniia*. Moskva, Gos. izd-vo khudozh. lit-ry, 1960. 2 v. (WU)
- UHLARENKO, P. V. [Snow storm in spring; a tale] *Vesniana zamechli; opovidanniia*. Kyiv, Radlans'kii pis'mennik, 1962. 189 p. (MH)
- UKRAINKA, LESIA. [Poems] *Poezii*. Kyiv, Radlans'kii pis'mennik, 1961. 2 v. (Biblioteka poeta) (CoU)
- UL'IANYSKAYA, I. S. [Caricatures and miniatures] *Karikatiry-miniatyury*. Simferopol', Krymizdat, 1962. 15 p. (Pervaya kniga poeta) (MH)
- UPITS, ANDREJS. [Cause and effect; stories gay and grave. Translated from the Latvian] *Prichiny i sled-stvija; veselye i neselye rasskazy*. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 180 p. (NNC)
- USENKO, P. M. [March of youth; verse] *Z pokhodiv iunosti; poezii*. Kyiv, Melod', 1962. 209 p. (MH)
- USENKO, P. M. [Songs of awakening years; verse] *Pisnia rozbudzhennykh lit; poezii*. [Kyiv, Radlans'kii pis'mennik, 1962]. 221 p. (MH)
- USOLTSEV, A. KH. [The taste of bread; a tale] *Vkus khleba; povest'*. [Moskva] Molodaiia gvardiia, 1962. 125 p. (MH)
- USTINOVA, V. A. [Wet snow; (stories)] *Mokryi sneg; [rasskazy]*. Riga, Latvinskoe gos. izd-vo, 1962. 130 p. (MH)
- UURTO, IRIS. [Love and fear. Translated from the Finnish] *Armastus ja kartus*. Tallinn, Ajalohtede-Ajakirjade Kirjastus, 1963. 153 p. ("Loomingu" Raamatukogu, no. 1-3(269-271)) [In Estonian]
- VAIKE VENE-EESTI SONARAAMAT. [Concise Russian-Estonian dictionary] *Koostanud V. Muhel. Umbes 14,000 sõna 2., talendatud ja parandatud trukk*. Tallinn, 1961. 318 p.
- VASIL'EV, S. A. [Beautiful spring; verse, parodies, and feuilletons] *Vosna-krasna; stikhi, parodi, fol'iony*. Moskva, Sovetskaya Rossiia, 1962. 265 p. (MH)
- VASILEVSKAYA, E. A. [Compound words in the Russian language] *Slovooslozhenie v russkom yazyke; ocherki i nabludeniia*. Moskva, Uchpedgiz, 1962. 131 p.
- VASYLEVA, OLENA. [Sea of life] *More zhytels'keto*. New York, Vyd-vo "Zhytliia", 1962. 70 p.
- VAZHDAIEV, V. M. [The strongest] *Samyi sil'nyi*. Moskva, Detalskii mir, 1960. [20] p. (MIDW)
- [VERSE BY POETS OF THE "SOCIETY OF YOUNG RUSSIAN ARTISTS AND SCIENTISTS"] *Sbornik stikhov poetov "Ob'edineniia molodykh deiatel'ei russkogo iskusstva i nauk"*. [Pod red. E. Shcherbakova] Paris, 1947. 58 p. (CY)
- VERTINSKI, ALEKSANDR. [Songs and verse, 1916-1937] *Pesni i stikhi, 1916-1937*. Washington, Victor Kunkin, Inc., 1962. 97 p.
- VIKULOV, S. V. [Trees dream of leaves; poems] *Dere-v'iam snitsia list'a; poemy i stikhi*. [Vologda] Vologodskoe knizhnoe izd-vo, 1962. 222 p.
- VINOGRADOV, I. I. [Earth - Skies - Earth; tales and stories] *Zemlia - Nebo - Zemlia; povesti i rasskazy*. Moskva, Voenizdat, 1962. 214 p.
- VLADIMOV, GEORGI. [The rich are bad; brief story. Translated from the Russian] *Kikas mank; jutustus*. Tallinn, Ajalohtede-Ajakirjade Kirjastus, 1963. 103 p. ("Loomingu" Raamatukogu, nos. 4/6(272/273)) [In Estonian]
- VLASOVA, E. N. [Independent work of students in grades 5-7 during Russian language lessons] *Samostoiatel'naya rabota uchashchikhsia V-VII klassov na urokakh russkogo yazyka*. Pod red. G. P. Firsova, Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1960. 43 p. (Pedagogicheskie chteniia) (ICU)
- VLASOVA, S. K. [Tale of Shchelkan and Sulea] *Skazanie o Shchelkane i Sulee*. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1961. 118 p. (MH)
- VOLK, I. I. [Water from Alagez; stories] *Voda Alageza; rasskazy*. Moskva, Delgiz, 1962. 124 p. illus.
- VORONIN, I. D., comp. [Mordvinian stories. Translated from the Mordvinian] *Mordovskie rasskazy*. Moskva, Sovetskii pisatel', 1958. 214 p. (InU)
- WASILEWSKA, WANDA. [Encounters; stories. Translated from the Polish] *Vstrecchi; rasskazy*. Moskva, Sovetskii pisatel', 1960. 209 p. (IU)
- ZABASH'TA, L. V. [Song and bread; verse. Translated from the Ukrainian] *Pesnia i khleb; stikhi*. Moskva, Sovetskii pisatel', 1962. 161 p.
- ZABELIN, I. M. [Builders; a tale] *Stroiteli; povest'*. Moskva, Sovetskii pisatel', 1962. 265 p. (MH)

- ZAHREBEL'NYI, P. A. [Teacher; a tale] Uchytel'; opovidaniia. Kyiv, Derzhlitvydav, 1961. 34 p. (MH)
- ZAMIAVIN, E. I. [Tales and stories] Povesti i rasskazy. Munch, Izd. Tsent. Ob'edineniia Polit. Emigrantov iz SSSR, 1962. 320 p.
- ZAPORIZ'KYI, OLEKSA. [New fables] Novi baiky. Kuritiba, 1953. 136 p. (IU)
- ZARIFOV, KIL T. [Muhammad Amin Mukimi; materials about his life and works. Muhammad Amin Mukimi; materialy o zhizni i tvorchestvo. Tashkent, Akad. nauk Uzbekskoi SSR] 1955. 63 p. [In Uzbek] (MH)
- ZARUDNYI, M. A. [Rainbow; a comedy] Veselka; komedii. Kyiv, Derzhlitvydav, 1962. 111 p. (Biblioteka samodil'noho teatru) (MH)
- ZARYTSKI, ALIAKSEI. [Conversation with my heart; verse and poems] Razmova z serdem; vershy i poemy. Minsk, Dzlazh. vyd-va BSSR, 1961. 336 p. (MH)
- ZASTROZHENYI, V. K. [Eighteen years; verse and songs] Vosemnadtsat' let; stikhi i pesni. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 58 p. (MH)
- ZAYERIN, M. Z. [Quests and principles; articles on literature] Iskaniia i printsipy; stat'i o literature. Tbilisi, Izd-vo SP Gruzii "Zaria Vostoka," 1962. 141 p.
- ZEMNOI, V. P. [I sing of my fatherland; verse and poems] Poku moe otchizstvo; stikhi i poemy. Kyiv, Derzhlitvydav, 1962. 255 p. (MH)
- ZHIMBIEV, TSYDEN-ZAP. [Snowdrops; stories] Podorozhniky; rasskazy. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1961. 67 p. (MH)
- ZHUOKOV, V. N. [Rockets look at the zenith; a tale] Rakety smotrit' v zenit; povest'. Moskva, Voenizdat, 1962. 153 p.
- ZHURAVLEV, N. A. [Love song; verse] Pesnia lubvi; stikhi. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 44 p. (MH)
- ZHURAVLEV, P. N. Masha. [Perm'] Permskoe knizhnoe izd-vo, 1961. 52 p. (Rasskazy o sovetskikh ljudakh) (MH)
- ZHURAVLEV, T. K. [A word about a soldier; tales and stories] Slovo o soldate; povesti i rasskazy. Moskva, Voenizdat, 1962. 410 p.
- ZHURAVLEV, V. V. [First conversation; a book of verse] Pervaya beseda; kniga stikhov. Moskva, Sovetskii pisatel', 1961. 96 p. (IEN)
- ZIL'BERMAN, KHAIM. [Uprising in the underground; a tale and stories. Translated from the Yiddish] Vostanie v podzemel'oi; povest' i rasskazy. Moskva, Sovetskii pisatel', 1962. 292 p. (MH) (NNC)
- ZIVEL'CHINSKAIA, L. IA. [Notes on literary skill] Zametki o literaturnom masterstve. Moskva, Sovetskii pisatel', 1962. 193 p. (MH)
- ZLOBIN, S. P. [Salavat Iuliev; a historical novel] Salavat Iuliev; istoricheski roman. Ufa, Bashkirskoe knizhnoe izd-vo, 1955. 522 p. (OU)
- ZUEV-ORDYNETS, M. E. [The last year; a novel] Posledni god; roman. [Kaliningrad, Kaliningradskoe knizhnoe izd-vo, 1961] 519 p. (MH)
- ## 12. GEOGRAPHY & GEOLOGY
- AKADEMIIA NAUK GRUZINSKOI SSR, Tbilisi. Iugo-Osetinskii nauchno-issledovatel'skii institut, Stalinir. [South Ossetian Autonomous Province] Iugo-Osetinskaya avtonomnaya oblast'. T'Skhinvali, Gosizdat Iugo-Osetii, 1962. 82 p.
- AKADEMIIA NAUK SSSR, Institut etnografii. [Peoples of the Caucasus] Narody Kavkaza. Pod red. B. A. Gardanova i dr. Moskva, Izd-vo Akad. nauk SSSR. (Narody mira. Etnograficheskie ocherki) Vol. 2. 1962. 682 p.
- AKADEMIIA NAUK SSSR, Kompleksnaia iuzhnaia geologicheskaya ekspeditiia, 1956. [Transactions of the Southern Geological Expedition, 1956] Trudy. Pod red. I. O. Broda. Leningrad, Gostekhnizdat. No. 8. [Geology and the oil and gas potentials of the southern U. S. S. R.; trans-Caspian region and the northern Caspian Sea region] Geologiya i neftegazonosnost' Iuga SSSR; Zakaspii i Severnyi Prikaspii. 1962. 536 p.
- AKADEMIIA NAUK URSS, Kiev, Institut ekonomiki. [Put the minerals of the Ukraine in the service of the building of communism] Korysni kopalyny Ukrainy - na sluzhbu komunistychnomu bldvnystvu. Kyiv, Vyd-vo AN URSS, 1962. 270 p. [MICROFILM]
- AKADEMIIA NAUK UZBEKSKOI SSR, Tashkent, Institut geologii i razrabotki neftiannykh i gazovykh mestorozhdenii. [Geology and some problems of oil and gas potentials in the Kara-Kalpak A. S. S. R.] Geologiya i nekotoryye voprosy neftegazonosnosti Karakalpakli. [By] A. M. Akramkhodzhaev. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 162 p.
- AKADEMIIA NAVUK BSSR, Minsk, Laboratoriia gidrogeologicheskikh problem imeni F. P. Savaronskogo. [Underground waters in the central and western parts of the Russian Platform (Paleozoic)] Podzemnye vody tsentral'noi i zapadnoi chasti Russkoi platformy (paleozoi). [By] G. V. Bogomolov i dr. Minsk, Izd-vo Akad. nauk BSSR, 1962. 167 p.
- [ALONG THE FOREST TRAIL; travel routes through our province] Lesnoi tropoi; marshruty puteshesii po nashoi oblasti. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1961. 253 p.
- AL'TER, S. Z. [The Donets Basin; tourist's guide] Donbas; sputnik turist. [Donetsk] Donetskoe knizhnoe izd-vo, 1962. 333 p.
- AL'TMAN, L. P., and G. S. NEVEL'SHTEIN. [Petra-zavodsk, the capital of the Karelo-Finnish S. S. R.] Petra-zavodsk, stolitsa Karelo-Finskoi SSR. Moskva, Gos. izd-vo geogr. lit-ry, 1961. 47 p.
- AMURSKII, G. I., D. M. MIL'SHTEIN, and L. N. SMIRNOV. [Recent structure and basic characteristics of the tectonic development of southeastern Turkmenistan] Sovremennaiia struktura i osnovnye cherty tektonicheskogo razvitiia Iugo-Vostochnogo Turkmenana. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1961. 67 p.
- ARSENT'YEVA, E. I. [How the globe was discovered (from the history of geographical discoveries); a bibliography of recommended literature for students in grades 6-8] Kak otkryvli zemiui shar (iz istorii geograficheskikh otkrytii); rekomendatsii'nyi ukazatel' literatury dlia uchashchikhsia 6-8 klassov. Leningrad, Publichnaia biblioteka, 1962. 62 p.
- [BAILE-HERCULANE] Baile-Gerkulone. Predisl. Petru Vinila. Bucharest, Izd-vo "Meridiana," 1962. 10 p. illus. (Goroda i polzazhi Rumynii)
- BARANSKII, N. N., and A. I. PREOBRAZHENSKII. [Economic cartography] Ekonomicheskaya kartografiia. Moskva, Geografiz, 1962. 284 p.
- [BARNAL; brief manual] Barnal; kratkii spravochnik. Barnal, Altalskoe knizhnoe izd-vo, 1958. 80 p. [PHOTOCOPY]
- BERKELEEV, MYRAT. [Russian-Turkmen dictionary of geological terms] Russko-turkmenskii slovar' geologicheskikh terminov. Pod red. K. K. Mashrykova i V. Meskutova. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 226 p.
- BROGA, L., and E. DANILEVICIUS, comps. [Tourist map of the Lithuanian S. S. R.] Lietuvos TSR turistinis zemėlapis. Vilnius, Valstybine politines ir mokslines literaturos isdyskla, 1962. 102 p. [In Lithuanian]
- [BUCHAREST] Bukharost. Predisl. Demostene Boteza. Bucharest, Izd-vo "Meridiana," 1962. 13 p. illus. (Goroda i polzazhi Rumynii)
- CHERNOV, G. A. [Devonian sediments in the eastern part of the Bol'shezemel'skaya tundra] Devonskie otlozheniia vostochnoi chasti Bol'shezemel'skoi tundry. Moskva, Izd-vo Akad. nauk SSSR, 1962. 116 p.
- [CONCISE GEOGRAPHICAL ENCYCLOPEDIA] Kratkaya geograficheskaya entsiklopediia. Glav. red. A. A. Grigor'ev. Chleny red. kollegii: P. M. Alampiev i dr. Nauchn. sovet izd-va: A. P. Aleksandrov i dr. Moskva, Gos. nauchn. izd-vo "Sovetskaya entsiklopediia." (Entsiklopedii, slovari, spravochniki) Vol. 2. Mios-Soluz SSR, 1962. 580 p.
- DARIENKO, PETRIA. [Poetry of my land; a journalist's notebook] Poezlia moei zemli; iz zhurnalistskogo bloknota. Kishinev, Karla Moldovenaska, 1961. 136 p. (MH)
- DOMANSKII, IA. V., and A. D. STOLIAR. [Following the tracks of demons] Po besovym sledam. Leningrad, Izd-vo Gos. Ermitazha, 1962. 245 p. [Epilog in English]
- FEDENKO, I. I. Volga. Moskva, Izd-vo M-va rechinogo flota SSSR, 1947. 271 p.
- FEDUSHCHAK, M. IU. [Formation of exotic conglomerates in the Vorotyscha series of the cis-Carpathian region] Umovy utvorennia ekzotichnykh konglomerativ vorotyschenskoi serii Poredkarpattia. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 110 p.
- GALIAPIN, V. T., and S. A. SHCHERBAKOV. [Tourists in the Carpathian Mountains; guidebook] Turisty v Karpatakh; putevoditel'. Uzhgorod, Zakarpatskoe knizhno-gazetnoe izd-vo, 1963. 172 p. [MICROFILM]
- GORBACHEVICH, K. S., and E. P. KHABLO. [Why do they have such names? On the origin of the oldest place names in Leningrad] Pochemu tak nazvany? O proisshozhdenii starynykh nazvaniy v Leningrade. [Leningrad] Lentzdat, 1962. 197 p.
- GOROD NOVOSIBIRSK I NOVOSIBIRSKAIA OBLAST'. [The city of Novosibirsk and Novosibirsk Province] Novosibirsk, Novosibirskoe oblastnoe upravlenie "Poligrafizdat," 1948. 160 p.
- GULIEV, G. A. [Bibliography of the ethnography of Azerbaijan, published in Russian up to 1917] Bibliografiia etnografii Azerbaidzhana (izdannoi na russkom iazyke do 1917 goda). Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR. Pt. 1. 1962. 126 p.
- IPPO, B. D., N. N. TURCHANINOV, and A. N. SHITIN. [The Karaitan Isthmus] Karai'skii p'oresheok. [Leningrad] Lentzdat, 1962. 422 p.
- ISKUL', N. V., and K. S. TALDYKINA. [Guidebook for the A. P. Karpinskii Geological Museum of the Academy of Sciences of the U. S. S. R.; history of the earth and life] Putevoditel' po Geologicheskomu muzuiu im. A. P. Karpinskogo AN SSSR; istoriia Zemli i zhizni. Moskva, Izd-vo Akad. nauk SSSR, 1962. 65 p.
- IVANOV, N. S. [Hent exchange in the frozen zone of the lithosphere] Toploobmen' v kriolitozone. Moskva, Izd-vo Akad. nauk SSSR, 1962. 198 p.
- [KANEV; PHOTOGRAPHS] Kaniv; fotonarys. [Avtor teksta IE. Arkhypets'. Kyiv, 1960] 1 v. (chiotly illus.) (MH)
- [KIEV; articles and information] Kyiv; statii-dovidky. Kyiv, Ukraina'ko vyd-vo polit. lit-ry, 1948. 140 p.
- KOLTUN, M. I. [Physiogeographical regionalization of the Soviet Union; index to literature published in 1917-1960] Prirodnoe (fiziko-geograficheskoe) raionirovanie territorii Sovetskogo Soiuza; ukazatel' literatury, izdannoi v 1917-1960 gg. Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1962. 379 p.
- LEBEDEVA, N. B. [Practical exercises in general geology] Posobie k prakticheskim zaniatiim po obshchei geologii. [Moskva] Izd-vo Mosk. univ., 1962. 94 p.
- LOTYSHEV, I. P. [The azure coast of the Caucasus] Lazurnyi bereg Kavkaza. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1962. 283 p.
- MARKOV, K. K., V. I. BARDIN, and A. I. ORLOV. [Physiogeographical description of the coast line of eastern Antarctica] Fiziko-geograficheskaya kharakteristika beregovoi polosy Vostochnoi Antarktidy. Pod red. O. A. Borshchevskogo. [Moskva] Izd-vo Mosk. univ., 1962. 147 p. illus.
- MIKHAILOV, E. D., and F. F. TALYZIN. [In cities of the U. S. A.; travel notes] Po gorodam SSHA; putevye zametki. [Moskva, Geografiz, 1962] 238 p.
- [NIZHNIY TAGIL] Nizhni Tagil. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1961. 294 p. [MICROFILM]

OB'EDINENNAIA NAUCHNAIA SESSIJA PO PROBLEMAM RAZVITIJA PROIZVODITEL'NYKH SIL DZHEKAZGANSKOGO PROMYSHLENNOGO RAJONA, Dzhzhkazan, 1961. [Greater Dzhezkazgan] Bol'shoi Dzhzhkazan; trudy. Alma-Ata, Akad. nauk Kazakhskoi SSR, Vol. 1, [Geology and metallogeny] Geologiya i metallogeniya, 1961.

(MH)

OVECHKIN, V. V. [Story of a trip] Rasskaz ob odnoi poezdke. [Kursk] Kurskoe knizhnoe izd-vo, 1961. 56 p.

(MH)

OVNATANOV, S. T. [Geology and oil gas potentials of the Fatmay-Zykh anticlinal zone in the Apsheron Peninsula] Geologiya i neftegazonosnost' Fat'mai-Zykhskoi antikalinal'noi zony Apsheron'skogo poluostrova, Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 410 p.

PADERIN, G. N. [Land of new addresses; sketches] Zemlia novykh adresov; ocherki. Novosibirsk: Novosibirskoe knizhnoe izd-vo, 1961. 181 p.

(MH)

RIGAS JURMALA. [n.p.] BFSB "Spartaks" Latvijas Republikaniskas Padomes centrālā turisma sekcija [1960?] 79 p. [In Latvian]

[PHOTOCOPY]

RODIN, L. E. [In the land of deep wells] V strane glubokikh kolodtsev. [Moskva] Molodala gvardija, 1962. 270 p.

ROSTOV-ON-DON. GOSUDARSTVENNAIA NAUCHNAIA BIBLIOTEKA IMENI K. MARKSA. [A bibliographical index of our countrymen's names on the map of the world] Imena nashikh zemliakov na karte mira; bibliograficheski ukazatel'. Rostov-na-Donu, 1956. 47 p. (Nashi znatnye zemliaki)

ROSTOVTSYEV, M. I., and V. R. PURIN. [The Union of Baltic Republics; sketch on their economic geography] Soluznyye respubliki Pribal'tiki; ekonomiko-geograficheski ocherk; posobie dlia uchitelei. Moskva, Uchpedgiz, 1962. 217 p.

RUBANOVICH, V. IA., and V. S. ISUPOV. Sovetsk. [Kalinigrad] Kalinigradskoe knizhnoe izd-vo, 1961. 61 p. (Goroda nashel oblasti)

SAKS, G. [Ogre and its environs] Gorod Ogre i ego okrestnosti. 2. dop. izd. Riga, Latvian gos. izd-vo, 1960. 57 p.

SHUSHINSKI, F. M. Shusha. Baky, Azerbaichan, Ushag ve Kenchler Edebiyatly Neshriliaty, 1962. 54 p. [In Azerbaijani]

SINITSYN, V. M. [Paleogeography of Asia] Paleogeografiya Azii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 286 p.

SOBOLEV, L. S. [A beggar on the golden throne; a Bolivian diary] Nishechil na zolotom trone; bolivianskii dnevnik. [Moskva] Izd-vo "Molodala gvardija," 1962. 107 p.

TAGEEVA, N. V., and M. M. TKHOMIROVA. [Geochemistry of bottom sediments in the Black Sea (northwestern part)] Gidrogeokhimiya donnykh osadkov Chernogo moria (severo-zapadnaya chast'). Moskva, Izd-vo Akad. nauk SSSR, 1962. 146 p.

[TRAIN, MOTORSHIP, TROLLEY BUS, BUS, AIR-PLANE AND HELICOPTER TIMETABLES FOR THE CRIMEAN HEALTH-RESORT VISITOR AND TOURIST] Spravochnik kurortnika i turista Kryma o dylzhenii poezdov, teplokhodov, trolleibusov, aviobusov, samoletov, vertoletov. Simferopol', Krymizdat, 1962. 101 p.

TEKHOMARIIA, B. D. [Lake Kardyach] Ozero Kardyach. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1962. 62 p.

VEIRA, K. [Vidzeme upland] Vidzemes augstums. Riga, Latvijas Valsts izdevnieciba, 1957. 130 p. [In Latvian]

VOITOV, V. I., and L. A. PONOMAREVA. [Away from the ocean routes] V stranu ot morskikh dorog. Moskva, Geografiz, 1962. 101 p. (Puteshestviya, priklucheniya, fantastika)

VOL'FSON, F. I. [Problems in studying hydrothermal deposits] Problemy izucheniya gidrotermal'nykh mestorozhdenii. 2. izd., dop. i perer. Pod red. A. G. Betekhtina. Moskva, Gosgeoltekhizdat, 1962. 304 p.

VSESOIUZNOE SOVESHCHANIE PO FIZICHESKIM METODAM ISSLEDOVANIYA OSADOCHNYKH POROD I MINERALOV. 1st. Moscow, 1960. [Physical methods of studying sedimentary rocks and minerals] Fizicheskie metody issledovaniya osadochnykh porod; [doklady] Moskva, Izd-vo Akad. nauk SSSR, 1962. 270 p.

13. SCIENCE

AAVER, E. [Viruses] Viirused. Tallinn, Eesti Riiklik Kirjastus, 1961. 112 p. [In Estonian]

AKADEMIA NAUK MOLDAVSKOI SSR. Institut zoologii. [Problems of the ecology and practical value of birds and mammals in Moldavia] Voprosy ekologii i prakticheskogo znacheniya ptits i mlekopital'shchikh Moldavii. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962. 86 p.

AKADEMIA NAUK SSSR. Institut geokhimi i analiticheskoi khimii. [Analytical chemistry of molybdenum] Analiticheskaya khimiya molibdena. [By] A. I. Busev. Moskva, Izd-vo Akad. nauk SSSR, 1962. 300 p. (Ite: Analiticheskaya khimiya elementov)

AKADEMIA NAUK SSSR. Nauchnyi sovet po kompleksnoi probleme "Kibernetika." [Biological aspects of cybernetics] Biologicheskie aspekty kibernetiki; sbornik rabot. Moskva, Izd-vo Akad. nauk SSSR, 1962. 237 p.

AKADEMIA NAUK SSSR. Sovet po seismologii. [Atlas of earthquakes in the U.S.S.R.; results of observations by the seismic station system in the U.S.S.R., 1911-1957] Atlas zemletrясenii v SSSR; rezul'taty nabludeni s seismicheskikh stantsii SSSR, 1911-1957 gg. Moskva, Izd-vo Akad. nauk SSSR, 1962. 330 p.

ALISOV, B. P., and B. V. POLTARAU. [Climatology] Klimatologiya. [Moskva] Izd-vo Mosk. univ., 1962. 225 p.

14 maps.

ARCHIMEDES. [Works, Translated from the Greek and Arabic] Sochineniya. Vstup. stat'ia i kommentarii I. N. Veselovskogo. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 639 p.

ARU, L. H. [General biology; protozoans, sponges, coelenterates] Obshchaya biologiya; protistshie, gubki, kleschnopolostnye. Tartu, Tartuskii gos. univ., 1961. 30 p.

ARZHANYKH, I. S. [Canonical equations of a rank higher than zero] Kanonicheskie uravneniya ranga, bol'shego nulia. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 143 p.

[ASTRONOMICAL CALENDAR; yearbook for 1962 (II)] Astronomicheskii kalendar; ezhegodnik 1962 (II). Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. [In Georgian]

BABKO, A. K., and L. V. PIATNITSKII. [Quantitative analysis] Kolichestvennyi analiz. Izd. 2., perer. i dop. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 507 p.

BAKURADZE, A. N., A. I. ABESADZE, and A. I. SIKHARULIDZE. [Physiological significance of the mechanoreceptors of the stomach. O fiziologicheskoi znacheni mekhanoreseptorov zheludka. Tbilisi,] 1962. 95 p. [In Georgian]

BARKHALOV, SH. F. [Dictionary of botanical terms; morphology, classification, geobotany, physiology and anatomy of the higher and lower plants] Slovar' botanicheskikh terminov; morfologiya, sistematika, geobotanika, fiziologiya i anatomia vysshih i nizshikh rastenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1960. 214 p.

(DNAL)

BAYMAN, B. F. [Lectures on the application of the theory of groups to nuclear spectroscopy. Translated from the English] Lektii po primeneniiu teorii grupp v iadernoi spektroskopii. Pod red. A. Z. Dolginova. Moskva, Gos. izd-vo fiz. mat. lit-ry, 1961. 226 p. [Publ. as: Some lectures on groups and their applications to spectroscopy.]

(NN)

BEREZIN, I. V., E. T. DENISOV, and N. M. EMANUEL'. [Oxidation of cyclohexane] Oksidatsiya tsikloheksana. [Moskva] Izd-vo Mosk. univ., 1962. 301 p.

BESKOV, S. D., ed. [Principles of chemical technology] Osnovy khimicheskoi tekhnologii; posobie dlia studentov pedagogicheskikh institutov [By] S. D. Beskov i dr. Izd. 2., ispr. i dop. Moskva, Uchpedgiz, 1962. 408 p.

BOCHKAREV, V. V., ed. [Measuring technique for radioactive preparations] Tekhnika izmerenii radioaktivnykh preparatov. Moskva, Gosatomizdat, 1962. 191 p.

BODYLEVSKII, V. I. [Small atlas of guide fossils] Mal' atlas rukovodivshchikh iskopaemykh. 3., perer. i dop. izd. Leningrad, Gosoptekhzdat, 1962. 255 p.

BOGORODSKII, A. F. [Einstein's field equations and their use in astronomy] Uravneniia polia Einsteina i ikh primenenie v astronomii. [Kiev] Izd-vo Kievskogo univ., 1962. 195 p.

BRAZHICHENKO, N. A., and others. [Problems on theoretical mechanics] Sbornik zadach po teoreticheskoi mekhanike. Leningrad, Sudpromgiz, 1962. 550 p.

BUGAENKO, L. T., E. P. KALIAZIN, and V. V. SARAIEVA. [Laboratory work in radiation chemistry] Praktikum po radiatsionnoi khimii. Moskva, Mosk. gos. univ., 1962. 161 p.

CHEKMAREV, IA. F., and V. T. SNIGIREV. [Methodology of teaching arithmetic] Metodika prepodavanii aritmetiki; posobie dlia pedagogicheskikh uchitel'shch. Izd. 12. Moskva, Uchpedgiz, 1962. 327 p.

[CHEMIST'S HANDBOOK] Spravochnik khimika. 2. izd. perer. i dop. [Red. kollegiya: B. P. Nikol'skii i dr.] Leningrad, Goskhimizdat.

Vol. 1. [General tables. Structure of substances. Properties of the most important substances. Laboratory techniques] Obshchit'svedeniia. Stroenie veshchestva, Svoistva vazmolshchikh veshchestv. Laboratornaya tekhnika. 1962. 1070 p.

CHILIKINA, L. N., and others. [Map of the vegetation of the Daghestan A.S.S.R.] Karta raitil'nosti Daghestanskoi ASSR. [Otv. red. E. V. Shiffrer] Moskva, Izd-vo Akad. nauk SSSR, 1962. 95 p.

Mip. 1960.

DOGEL', V. A. [General parasitology] Obshchaya parazitologiya. Perer. i dop. IU. I. Polianskii i E. M. Kheisnyn. [Leningrad] Izd-vo Leningr. univ., 1961. 463 p.

DRUSHCHITS, V. V., and O. P. OBRUCHIEVA. [Paleontology] Paleontologiya. Pod red. IU. A. Orlova. [Moskva] Izd-vo Mosk. univ., 1962. 378 p.

[ENGINEERING ANALYSIS OF THE RESULTS OF EARTHQUAKES IN JAPAN AND THE U.S.A. Translated from the English] Inzhenernyi analiz posledstviy zemletrясenii v Iaponii i SShA. Moskva, Gosstrolizdat, 1961. 192 p.

GAL'PERIN, IU. I., and A. I. ERSHKOVICH. [Auroras] Poliarnye sil'nii. Pod red. A. M. Iaglom, Moskva, Izd-vo "Znanie," 1962. 24 p. (Novoe v zhizni, nauka, tekhnika. IX Seriya: Fizika i khimiya, no. 2)

GEGELASHVILI, K. V. [Histochimistry of nucleic acid and nucleoproteins and some problems of functional morphology. Gistokhimiya nukleinovykh kislot i nukleoproteidov i nekotorye voprosy funktsional'noi morfologii. Tbilisi] 1962. 189 p. [In Georgian with summary in Russian]

GENKEL', P. A. [Plant physiology and the principles of microbiology] Fiziologiya rastenii s osnovami mikrobiologii; uchebnykh dlia pedagogicheskikh institutov. Izd. 2., perer. i ispr. Moskva, Uchpedgiz, 1962. 535 p.

GLADKOV, K. A. [In the world of temperatures and pressures] V mire temperatur i davlenii. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no. 2)

GODUNOV, S. K., and V. S. RIABEN'KII. [Introduction to the theory of different systems] Vvedenie v teoriyu raznostnykh sistem. Moskva, Fizmatgiz, 1962. 340 p.

GORONOVSKII, I. T., IU. P. NAZARENKO, and E. F. NEKRACH. [Concise handbook of chemistry] Krat' spravochnik po khimii. Kiev, Izd-vo Akad. nauk USSR, 1962. 669 p.

GUMENER, P. I. [Study of thermoregulation in the hyaline and physiology of work] Izuchenie termoregulatsii v gigenie i fiziologii truda. Moskva, Medgiz, 1962. 229 p.

[MICROFILM]

- IANOVSKAYA, M. I. [Robert Koch] Robert Koch. Moskva, Molodaya gvardiya, 1962. 271 p. (Zhizn' zamchatel'nykh ludei. Seriya biografii, no. 13[346])
- IDRAGIMOV, I. I. [Extremum properties of integral functions of finite order] Ekstremal'nye svoystva tselykh funktsii konechnoi stepeni. Baku, Izd-vo Akad. nauk Azerbaidzhanской SSR, 1962. 314 p.
- INTERNATIONAL CONGRESS OF BIOCHEMISTRY. 5th, Moscow, 1961. [Mechanism of photosynthesis; symposium VI] Mekhanizm fotosinteza; simpozium VI. Predsedateli: Kh. Tamila (Aponia), A. A. Krasnovskii (SSSR). Moskva, Izd-vo Akad. nauk SSSR, 1962. 386 p. (Ist. Trudy)
- [MICROFILM]
- IVANENKO, B. I. [Phenology of trees and shrubs] Fenologiya drevnykh i kustarnikovykh porod. Moskva, Sel'khozizdat, 1962. 182 p.
- KARASEV, A. I. [Fundamentals of mathematical statistics] Osnovy matematicheskoi statistiki; uchebnoe posobie. [n. p.] Sovuzizdat, 1962. 357 p.
- KERTIKOV, KHODZHANEPES. [The vegetation of Turkmenistan] Rastitel'nost' Turkmenistana. Ashkhabad, Turkmenuchpedgiz, 1961. 142 p. [In Turkmen] (DNAL)
- KHAIKIN, M. [Conversation on longevity] Razgovor o dolgoletii. [Slavropol'] Slavropol'skoe knizhnoe izd-vo, 1962. 104 p.
- KHEISIN, E. M. [Concise guide to freshwater fauna] Kratkiy opredelitel' presnovodnoi fauny. Izd. 2., ispr. i dop. Moskva, Uchpedgiz, 1962. 147 p.
- KOLYVAGIN, A. A. [Automation of computing operations] Avtomatizatsiya vychislitel'nykh rabot. Moskva, Mashgiz, 1962. 502 p.
- KOMARNITSKII, N. A., L. V. KUDRIASHOV, and A. A. URANOV. [Taxonomy of plants] Sistematika rastenii. Moskva, Uchpedgiz, 1962. 726 p.
- KONFERENTSIYA PO MIKROELEMENTAM V POCHVAKH, RASTITEL'NYKH I ZHIVOTNYKH ORGANIZMAKH VOSTOCHNOI SIBIRI I DAL'NEGO VOSTOKA. Ist. Ulan-Ude, 1960. [Microelements in soils, waters and organisms of Eastern Siberia and the Far East and their role in the life of plants, animals and man] Mikroelementy v pochvakh, vodakh i organizmakh Vostochnoi Sibiri i Dal'nego Vostoka i ikh rol' v zhizni rastenii, zhivotnykh i cheloveka; trudy, Ulan-Ude, Buriatskii kompleksnyi nauchno-issl. in-t, 1961. 275 p.
- KOSTARCHUK, V. M., and B. I. KHATSET. [What is possible and what is not possible in geometry using compass and ruler] Pro mozhiye i nemozhiye v geometrii tsyrkula i linitsy. Kyiv, Radlanskai shkola, 1962. 124 p. (Biblioteka uchitel'skoi matematiki)
- KRESHIKOV, A. P., and others. [Practical handbook on the analysis of monomeric and polymeric organosilicon compounds] Prakticheskoe rukovodstvo po analizu monomernykh i polimernykh kromilorganicheskikh soedinenii. Pod red. A. P. Kreshkova. Moskva, Goskhimizdat, 1962. 544 p.
- KUPERMAN, G. B. [Studying the properties of solids in the secondary school course in physics] Izuchenie svoystv tverdogo tela v kurse fiziki srednei shkoly. Moskva, Uchpedgiz, 1962. 89 p.
- LEBEDEV, N. V. [Lecture course on Darwinism] Kurs lektsii po darvinizmu. [Moskva] Izd-vo Mosk. univ., 1962. 341 p.
- LESHKOVTSYEV, V. A. [Horizons of science] Gorizonty nauki. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no. 1)
- LOGENOV, P. P., B. ZH. BAL'ZHINOVA, and B. V. IASEVICH. [Theory of meridian instruments and results of astronomical observations] Teoriya meridiannykh instrumentov i rezul'taty astronomicheskikh nabludenii. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1961. 121 p.
- LOITSIANSKII, L. G. [The laminary boundary layer] Laminarnyi pogranichnyi sloi. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 479 p.
- LUKASHIK, V. I. [Questions and problems in physics for eight-year schools; a textbook for teachers] Sbornik voprosov i zadach po fizike dlia vos'miletnei shkoly; posobie dlia uchitelia. Moskva, Uchpedgiz, 1962. 158 p.
- LUKINA, T. A. [A. P. Protasov, Russian academician of the eighteenth century] A. P. Protasov - russkii akademik XVIII veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 180 p.
- MANDEL'BROJT, SZOLIM. [Closed theorems and theorems of composition] Teoremy zamkнутosti i teoremy kompozitsii; zapisi lektsii i perevod vypolneny E. A. Gorinym, A. S. Dyninym, B. S. Mitlaginym. Moskva, Izd-vo Inostr. lit-ry, 1962. 153 p. (Biblioteka sbornika matematika)
- [MATERIALS FOR STUDYING THE HISTORY AND NATURAL RESOURCES OF THE KANEV PRESERVE] Materialy do vychennia istorii ta pryrody ralonu Kaniv-a'koho zapovitykh. [Kyiv] Vyd-vo Kyiv's'koho univ., 1962. 161 p.
- MIELKE, FRANZ. [In the land of the marabou. Translated from the German] V strane marabu. Leningrad, Gos. izd-vo detskoi lit-ry, 1961. 60 p. (MIDW)
- MIKHAILOV, A. A., ed. [Course on astrophysics and stellar astronomy] Kurs astrofiziki i zvezdnoi astronomii [2. izd.]. Moskva, Fizmatgiz, 1962. 688 p. Vol. 2. [By] T. A. Agekian i dr. 1962. 688 p.
- MIKHAILOV, M. G., and V. G. GLEDOV, comp. [Mars; articles by Soviet and foreign scientists] Mars; sbornik statei sovetskikh i zarubezhnykh uchenykh. Moskva, Izd-vo "Znanie," 1962. 62 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika i khimii, nos. 23/24)
- MINAEV, P. F. [Effect of ionizing irradiation on the central nervous system] Vlianie ioniziruiushchikh izlucheni na tsentral'nuu nervnuu sistem, Moskva, Izd-vo Akad. nauk SSSR, 1962. 120 p.
- MIRZABABAY, M. M. [Chemistry in everyday life] Melshode khimii. Baki, Azerneshr, 1961. 100 p. [In Azerbaijani]
- MISUREV, M. A. [Methodology of problem solution in theoretical mechanics] Metodika reshenia zadach po teoreticheskoi mekhanike. Moskva, Vysshiaia shkola, 1962. 305 p.
- [MODELING OF ATMOSPHERIC AND HYDROSPHERIC PHENOMENA] Modelirovanie iuvlenii v atmosfere i gidrosfere; trudy Pervoi mezhdunarodnoi konferentsii 22-26 noabريا 1960 g. Moskva, Izd-vo Akad. nauk SSSR, 1962. 183 p.
- [MICROFILM]
- [THE MÖSSBAUER EFFECT] Effekt Mossbauera; sbornik statei. Pod red. I. U. Kagana. Moskva, Izd-vo Inostr. lit-ry, 1962. 444 p.
- MOSCOW. INZHENERNO-FIZICHESKII INSTITUT. [Works published by the Chair of Higher Mathematics] Sbornik nauchnykh rabot kafedry vysshei matematiki. Moskva, Gosatomizdat. No. 2. 1962. 123 p.
- MOSCOW. VSESOIUNNYI INSTITUT NAUCHNOI I TEKH-NICHESKOEI INFORMATSI. [Handbook on solubility] Spravochnik po rastvorimosti. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Ternary multicomponent systems] Troinye, mnogokomponentnye sistemy. Book 1. 1963. 943 p.
- NALETOV, P. I. [Intrusive rocks in the central part of the Buryat A. S. S. R.] Intruzivnye gornye porody tsentral'noi chasti Buriatskoi ASSR. Moskva, Gosgeolizdat, 1962. 140 p.
- NASLIN, PIERRE. [Principles of digital computer engineering. Translated from the French. Preface by A. V. Shil'ko] Osnovy tsifrovoy vychislitel'noi tekhniki. Moskva, Gosenergoizdat, 1962. 174 p. (Biblioteka po avtomatike, no. 60)
- NEGANOV, B. S., and O. V. SAVCHENKO. [Formation of π^+ -mesons in $p-p$ collisions in the range 480 to 680 MeV] Obrazovanie π^+ mezonov v $p-p$ soударeniiakh v oblasti 480-680 MeV. [n. d.] Ob'edinennyi in-t iadernykh issl. 1966. 17 p.
- NIKITIN, V. V., and B. B. KERDABAEV. [Popular and scientific Turkmen names of plants] Narodnye i nauchnye turkmenские nazvaniia rastenii. Olvet, red. S. O. Obezmuradov. Ashkhabad, Izd-vo Akad. nauk Turkmeniskoi SSR, 1962. 109 p.
- NOSAL, M. A., and I. M. NOSAL'. [Medicinal plants and methods of their popular use] Likars'ki rosliny i sposoby ikh zastosuvannia v narodii. Pid red. V. H. Drobota. Vyd. 2., dop. i vypravlene. Kyiv, Derzhmedvyday URSS, 1962. 298 p.
- OBRAZ, K. I., and B. S. EPPEL'. [The slide rule in secondary school; a textbook for teachers] Logarifmicheskai lineika v srednei shkole; posobie dlia uchitelia. Moskva, Uchpedgiz, 1962. 126 p.
- ORBEIJ, L. A. [Selected works in five volumes] Izbrannye trudy v piati tomakh. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Adaptive trophic function of the nervous system] Adaptatsionno-troficheskaia funktsiia nervnoi sistemy. 1962. 608 p.
- PETRASHEN', M. I. [Energy spectrum of ionic crystals with impurity centers] Energeticheskiy spektr ionnykh kristallov s primiesnyimi tsentrami; lektsii, prochiannye v letnei shkole po teorii tverdogo tela. Tartu-Tyrase, Ilon' 1961. Tartu, Tartuskil goa. univ. Vol. 1. 1962. 28 p.
- [MICROFILM]
- POLIANSKII, I. I. [The complex within the simple; on the complexity of the organization of the simplest organisms] Slozhnoe v prostom; o vysshe organizatsii protistskh. Leningrad, Ob-vo po rasprostraneniui polit. i nauchn. znanii RSFSR, 1962. 46 p.
- PROSHKINA-LAVRENKO, A. I. [Diatoms in the plankton of the Sea of Azov] Diatomovyye vodorostli planktona Azovskogo mornia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 190 p.
- RADOVSKII, M. I. [From the history of Anglo-Russian relations in the field of science] Iz istorii anglo-russkikh nauchnykh svyazei. Moskva, Izd-vo Akad. nauk SSSR, 1961. 214 p.
- ROITER, V. A. [Introduction to the theory of kinetics and catalysis] Vvedenie v teorii kinetiki i kataliza. Kiev, Izd-vo Akad. nauk USSR, 1962. 110 p.
- RUSANOV, V. D. [Modern methods of plasma study] Sovremennyye metody issledovaniia plazmy. Moskva, Gosatomizdat, 1962. 182 p.
- RZIANOVA, E. I. [Subject, methods, and problems of the biology of the development of higher plants; lecture from a course in the biology of plant development] Predmet, metody i zadachi biologii razvitiia vyssykh rastenii; lektsiia iz kursa "Biologiya razvitiia rastenii." [Moskva] Izd-vo Mosk. univ., 1962. 30 p.
- RZIANOVA, E. I. [Historical survey of views concerning the ontogeny of plants; lecture from a course in the biology of the development of plants] Istoricheski obzor vzgliadov na ontogenez rastenii; lektsiia dlia studentov zaochnogo i vechernego otdelenii biologicheskikh fakul'tetov gosudarstvennykh universitetov. Lektsiia iz kursa "Biologiya razvitiia rastenii." [Moskva] Izd-vo Mosk. univ., 1962. 65 p.
- SAGOMONIAN, A. IA. [Three-dimensional problems concerning the unsteady motion of a compressible fluid] Prostranstvennye zadachi po neustoirovivshemuia dvizheniiu szhimaemoi zhidkosti. [Moskva] Izd-vo Mosk. univ., 1962. 78 p.
- SKVORTSOV, V. V., V. S. KIKTENKO, and V. D. KUCHERENKO. [Viability and detection of pathogenic microbes in an external medium] Vyzhivaiemost' i indikatsiia ptogennykh mikrobov vo vneshnei srede. Moskva, Medgiz, 1960. 348 p. (DNLM)
- SLODKEVICH, V. S. [Pioneer of Russian science, M. V. Lomonosov; an account of his life and works on the 250th anniversary of his birth] Pioneer russkoi nauki, M. V. Lomonosov; ocherk o zhizni i deiatel'nosti. 250 let so dnia rozhdeniia. Kishinev, Shilintaa, 1961. 70 p. (MH)
- TEMNIKOVA, T. I. [Course in the theoretical principles of organic chemistry] Kurs teoreticheskikh osnov organicheskoi khimii. Izd. 2., perer. i dop. Leningrad, Goskhimizdat, 1962. 943 p.
- TOLMACHEV, A. I. [Fundamentals of the study of the ranges of plants; introduction to the chorology of plants] Osnovy uchennia ob arealakh; vvedenie v khoroologiu rastenii. [Leningrad] Izd-vo Leningrad. univ., 1962. 98 p.
- TOLMACHEV, A. I. [General directions for plotting maps of the areas of medicinal plants and the distribution of their concentrations. Methodical directions for estimating the resources and plotting maps of the distribution of medicinal plants] Obshchie ukazaniia o poriadke provedeniia raboty po sostavleniiu kart arealov lekarstvennykh rastenii i razmeshcheniia ikh zaroslei. Metodicheskie ukazaniia po uchetu zapasov i sostavleniiu kart rasprostraneniia lekarstvennykh rastenii. [By] N. A. Borisova. Leningrad, Leningr. khimiko-farmatsevticheskii in-t, 1961. 33 p.

RIFONOV, D. N. [Amazing family of elements] Udivilitel'noe semeistvo elementov. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika i khimiya, no. 1)

TROSHIN, D. M. [The power of science; transformation of science into a directly productive force] Silanauki; o prevrashchenii nauki v neposredstvennuyu proizvoditel'nuyu silu. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. X Seriya: Molodezhnaya, no. 2)

TSENTSIPER, M. B. [A talk on life] Razgovor o zhizni. [Moskva] Molodaya gvardiya, 1962. 301 p.

UGOLEV, A. M. [Parietal (contact) digestion] Pristenoch-noe (kontaktnoe) pishchevarenie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 160 p.

VDIVENKO, V. M. [Scientific studies of Academician V. G. Khlopil] Akademik V. G. Khlopil; nauchnaya delatel'nost'. Moskva, Gosatomizdat, 1962. 128 p.

VESELOV, E. A., and O. N. KUZNETSOVA. [Laboratory manual on zoology] Praktikum po zoologii. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 248 p.

VESELOV, E. A., and O. N. KUZNETSOVA. [Laboratory manual on zoology] Praktikum po zoologii. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 248 p.

ZEIDEL, A. N., and others. [Tables of spectral lines] Tablitsy spektr'nykh liniy. Izd. 2., ispr. i dop. Moskva, Fizmatgiz, 1962. 607 p.

ZHUKHOVITSKH, A. A., and N. M. TURKEL'TAUB. [Gas chromatography] Gazovala khromatografiya. Moskva, Gosoptekhlizdat, 1962. 440 p. (MICROFILM)

14. MEDICINE

AGAIEV, E. R. [University of health] Universitet zdorov'ia. Moskva, Medgiz, 1962. 35 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

AKADEMIYA NAUK GRUZINSKOI SSR, Tbilisi. [Academician Vladimir Kaplanovich Zhgenti (on the 70th anniversary of his birth); his life and work] Akademik Vladimir Kaplanovich Zhgenti; v svyazi s 70-letiem so dnya rozhdeniya; zhizn' i delatel'nost'. Tbilisi, 1962. 39 p. [In Georgian]

ASTAKHOV, S. N. [Therapeutic effect of the word] Lechenie delistvii slova. Leningrad, Medgiz, 1962. 94 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

BALUDA, V. P., V. N. MAL'AROVSKI, and I. A. OVIN. [Laboratory methods for studying the blood coagulating system] Laboratornye metody issledovaniya svertyvayushchey sistemy krovi. Moskva, Medgiz, 1962. 187 p. (Biblioteka prakticheskogo vracha) (DNLM)

BAMDAS, D. S. [Ashtenic states] Astenicheskie sostoi-aniya. Moskva, Medgiz, 1961. 201 p. (DNLM)

BAZHANOV, A. N. [Tuberculosis will be defeated] Tuberkulez budet pobezhden; sovery vracha kollekti-va. Moskva, Medgiz, 1962. 20 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

BELEN, V. R., and N. S. GORKIN. [Apparatus for securing elements of the root of the lung (UKL-60 and UKL-40)] Apparaty dlya ushivaniya elementov kornia legkogo (UKL-60 i UKL-40). Moskva, Medgiz, 1962. 49 p. (Biblioteka prakticheskogo vracha) (DNLM)

BLAGOVESHCHENSKI, G. K. [Personal hygiene and resistance of preschool children] Lichnaya gigiena i zashchita detskoi organizatsii. Moskva, Medgiz, 1962. 47 p. (Sovety roditeliam) (DNLM)

BUKHPAN, E. I. [Fundus oculi in normal and pathological pregnancy (toxemia)] Glaznoye dno pri normal'noi i patologicheskoi beremennosti (toksikoza). Moskva, Medgiz, 1962. 165 p. (DNLM)

BUNIN, K. V. [Immunity and rational immuno-antibiotic therapy of typhoid fever and dysentery] Immunitet i racional'naya immuno-antibiotikoterapiya brizhushnogo tifia i dizenterii. Moskva, I-i Mosk. med. in-t im. I. M. Sechenova, 1962. 135 p. (DNLM)

BUROVA, T. V., and T. F. RIABINSKAYA. [Gastroin-testinal diseases in children] Zhehudochno-kishechnye zabolevaniya u detei. Moskva, Medgiz, 1962. 14 p. (Sovety roditeliam) (DNLM)

BUSALOV, A. A., and A. M. DAMIR. [Mitral stenosis from the viewpoint of the therapist and the surgeon] Mitral'nyi stenoz v osveshchenii terapiya i khirurgiya. Moskva, Medgiz, 1962. 322 p. (DNLM)

DATSENKO, M. F., and M. V. FETYSOV. [Local anesthetics in the maxillofacial areas] Mestnye obezbolevaniya v shchelechno-lyts'ovoi diltantsii. Kyiv [Derzhnaukvydav] URSSR, 1959. 163 p. (DNLM)

DEMETRADZE, I. N. [Leptospirosis. Leptospirozy. Tbilisi Gos. izd-vo "Sabchota Sakartvelo," 1961. 98 p. [In Georgian] (DNLM)

(DICTIONARY OF MEDICAL TERMINOLOGY, RUSSIAN-KOREAN-LATIN) Slovar' meditsinskoi terminologii, Russko-Koreisko-Latinskii. [Pyongyang, Korea] 1960. 870 p. (NN)

DREIZIN, R. S., and V. M. ZHDANOV. [Adenovirus infections; etiology, clinical epidemiological obser-vations, and specific prevention] Adenovirusnye infektsii; etiologiya, kliniko-epidemiologicheskie nabludeniya, spetsificheskaya profilaktika. Moskva, Medgiz, 1962. 303 p. (DNLM)

ELIZAROVA, O. N. [Determination of threshold doses of industrial poisons when administered orally] Opredelenie porogovykh doz promyshlennykh yadov pri peroral'nom vvedenii. Moskva, Medgiz, 1962. 173 p. (Biblioteka prakticheskogo vracha) (DNLM)

ELOYA, M. IA. [Bronchoscopy in the clinical treatment of internal diseases] Bronkhoskopiya v klinike vnutren-nikh boleznei. Moskva, Medgiz, 1962. 174 p. (DNLM)

GAVLICHEK, V. A. [Conditioned defensive dominance as a model of hypertensive state of the organism] Ulovnaia oboronitel'naya dominantsiya kak model' gipertenzivnogo sostoiyaniya organizma. Moskva, Medgiz, 1962. 164 p. (DNLM)

GORDEZIANI, SH. G. [Surgical treatment of angina pectoris] Khirurgicheskoe lechenie grudnoi zhaby. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1961. 119 p. [In Georgian] (DNLM)

GOROVENKO, G. G. [Pulmonary resections following ineffective collapse therapy] Rezektsii legkikh posle neeffektivnoi kollapsoterapii. Kiev, Gosmedizdat URSR, 1962. 277 p. (DNLM)

GRINSHUP, L. D. [Major eosinophilias and their clinical (diagnostic) significance] Bol'shie eozinofilii krovi i ikh kliniko-diagnosticheskoe znachenie. Moskva, Medgiz, 1962. 161 p. (Biblioteka prakticheskogo vracha) (DNLM)

GUSEINOV, A. G., and CH. KH. AGAEVA. [Badamiy mineral water] Badamiyskaya mineral'naya voda. Baku, Azerneshr, 1962. 21 p. (DNLM)

GVANTSELADZE, V. S. [Reactivity of the child's body in rheumatism] O reaktivnosti detskogo organizma pri revmatizme. Red. I. V. Dzavakhishvili. Tbilisi, Izd-vo Akad. nauk Gruzinskoj SSR, 1962. 125 p. (DNLM)

IASTREBOVA, A. V. [Characteristics of the spoken and written language of stammering pupils; the primary grades of the public school] Osobennosti ustnoi i pis'mennoi rechi u zhaluzhchicheskikh uchashchikhsia; mladshie klassy massovoi shkoly. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 64 p.

IOFFE, V. I. [Results of the control of diphtheria in Lenin-grad] Opyt bor'by s difteriei v Leningrade. Leningrad, Medgiz, 1962. 101 p. (Biblioteka prakticheskogo vracha) (DNLM)

KHAIROVA, IU. A., and I. P. SHEVELEV. [Physical education in the prevention and treatment of pneumo-coniosis] Fizicheskaya kul'tura v profilaktike i lechenii pnevmokoniozov. Moskva, Medgiz, 1962. 24 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

KHIVATTSY, M. E. [How to prevent and eliminate voice and speech defects in children] Kak predupredit' i ustranit' nedostatki golosa i rechi u detei. Moskva, Izd-vo Akad. pedagog. nauk, 1962. 86 p. (Knigi dlia roditel'ei)

KISELEV, O. A. [Fungous skin diseases] Gribkovye bolezni kozhi. Izd. 2. Moskva, Medgiz, 1962. 27 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM MICROFILM)

KOLOMICHENKO, A. I., and others. [Operations on the atrium in otosclerosis] Operatsii na stremeni pri otoskleroze. Pod obshchey red. A. I. Kolomichenko. Kiev, Gosmedizdat USSR, 1962. 280 p.

KOPYLOV, F. A., and M. S. PEVZNER. [Medical principles for prostheses] Meditsinskie osnovy protezirovaniya. Leningrad, Medgiz, 1962. 198 p. (Biblioteka prakticheskogo vracha) (DNLM)

KOVALEVA, S. I. [Prevention of tuberculosis] Predupre-zhdenie tuberkuleza. Moskva, Izd-vo "Znanie," 1962. 54 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 12)

KRIVITSKII, A. S. [Viruses against microbes; bacterio-phagy] Virusy protiv mikrobov; bakteriofagiya. Mos- skva, Medgiz, 1962. 80 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

KUDRYAVTSEV, M. A. [Medical expertise on work capaci-ty in brain injuries] Vrachobno-trudovaya ekspertiza pri travmah golovnogo mozga. Moskva, Medgiz, 1962. 143 p. (Biblioteka prakticheskogo vracha) (DNLM)

KUPRIANOV, P. A., ed. [Artificial blood circulation in surgery of the heart and the great vessels] Iskusstven-noe krovoobrashchenie v khirurgii serdtsa i mgistr'al'nykh sosudov. Leningrad, Medgiz, 1962. 303 p. (DNLM)

KUZNETSOV, N. N. [Heteroperitoneal preparations in experiments and in the clinic] Geteroperitoneal'nye preparaty v eksperimente i klinike. Kishinev, Kurta moldovenaske, 1962. 164 p. (DNLM MICROFILM)

LEBEDEV, A. N., N. P. Trinkl'or, 1869-1925. Leningrad, Medgiz, 1962. 76 p. (Vydaushchiesia dela ot otchestvennoi meditsiny)

LIASS, F. M. [Isotope myelography] Izotopnaya mielogra-fiya. Moskva, Medgiz, 1962. 127 p. (DNLM)

LURIA, A. R. [Higher cortical functions in man and their disturbances in focal lesions of the brain] Vysshie kortexnye funktsii cheloveka i ikh narusheniya pri lokal'nykh porazheniyakh mozga. [Moskva] Izd-vo Mosk. univ., 1962. 431 p. (DNLM)

MARTYNOV, ANTON. [Plus or minus twenty; a true story...] ± 20 ; dostovernaya istoriya... Moskva, Izd-vo "Fizkul'tura i sport," 1962. 40 p. (DNLM)

MEN'SHIKOV, F. K. [Intestinal diseases] Bolezni kishechnika. Moskva, Medgiz, 1962. 260 p. (Biblioteka prakticheskogo vracha) (DNLM)

MINKH, A. A. [Methods for hygiene research] Metody gigenicheskikh issledovaniy. 2., ispr. i dop. Izd. Moskva, Medgiz, 1961. 482 p. (DNLM)

MODEL', L. M. [Essays on the clinical pathophysiology of tuberculosis] Ocherki klinicheskoi patofiziologii tuberkuleza. Moskva, Medgiz, 1962. 322 p. (DNLM)

MOLCHANOV, N. S. [Hypotonic states] Gipotonicheskie sostoiyaniya. Leningrad, Medgiz, 1962. 201 p. (DNLM)

MOROZKIN, N. I. [Influenza pneumonia; its clinical aspects and treatment] Grippochnaya pnevmoniya; klinika i lechenie. Kiev, Gosmedizdat URSR, 1962. 77 p. (DNLM)

MOSCOW, GOSUDARSTVENNAIA NAUCHNAIA MEDI-TSINSKAYA BIBLIOTEKA. [Scientific medical litera-ture of the U. S. S. R.; index of books and articles for the first half of 1959] Nauchnaya meditsinskaya litera-tura SSSR; ukazatel' knig i statei za pervoe polugodie 1959 g. Sost. Bibliograficheskii otdelom GTSNMB. Pod red. E. V. List i E. N. Protasov. Moskva, Med-giz, 1962. 833 p.

- MOSCOW. TSENTRAL'NYI INSTITUT USOVERSHEN-STVOVANIA VRACHEI. [Urgent problems in urology] Aktual'nye voprosy urologii; nauchnye trudy. Pod red. A. P. Frumkina. Moskva, 1982. 337 p. (DNLM)
- [MULTIVOLUME MANUAL ON THE MICROBIOLOGY, CLINICAL ASPECTS, AND EPIDEMIOLOGY OF INFECTIOUS DISEASES] Mnogotomnoe rukovodstvo po mikrobiologii, klinike i epidemiologii infektsionnykh boleznei. Moskva, Medgiz, 1982. Vol. 2. [General microbiology] Obshchaya mikrobiologiya. Red. V. M. Zhdanov. 1982. 535 p. (DNLM)
- PETROV, B. D. [Historical essays on Russian medicine] Ocherki istorii otechestvennoi meditsiny. Moskva, Medgiz, 1982. 301 p.
- POLIAK, L. V. [Scarlet fever in children] Skarlatina u detei. Moskva, Medgiz, 1982. 14 p. (Sovety roditeliam) (DNLM)
- PROTOKLITOVA, N. S., and I. N. RUDENSKAYA. [Botkin's disease in children] Bolezn' Botkina u detei. Moskva, Medgiz, 1982. 12 p. (Sovety roditeliam) (DNLM)
- PUTILOVA, A. A. [Prevention of deformities in paralysis following poliomyelitis and therapeutic gymnastics] Profilaktika deformitats i lechebnaya gimnastika pri paralichakh posle poliomyelita; metodicheskoe posobie dlia vrachei i metodistov. Kiev, Gosmedizdat, USSR, 1981. 127 p. (Biblioteka prakticheskogo vracha) (DNLM)
- RODIONOV, P. V., ed. [Prescription reference book] Retsepturnyi spravochnik. Izd. 3., ispr. 1 dop. Kiev, Gos. med. izd-vo USSR, 1981. 476 p. (DNLM)
- ROZENTSVEIG, P. E. [Technology of medicinal forms] Tekhnologiya lekarstvennykh form; uchebnik dlia farmatsvicheskikh uchilisheh. Izd. 3., perer. 1 dop. Moskva, Medgiz, 1982. 407 p. (DNLM)
- RUSSIA (1917- R. S. F. S. R.) Ministerstvo torgovli. [Dietetic cookery in eating establishments] Dieticheskoe pitanie v stolovykh; sbornik retseptur i tekhnologiya prigotovleniya blud. Moskva, Gos. izd-vo torg. lit-ry, 1982. 282 p. (DNLM)
- RUSSIA (1923- U. S. S. R.) Ministerstvo zdorovookhraneniya. [Instructive and methodological manual on disinfection] Sbornik instruktsionno-metodicheskikh materialov po dezinfektsionnomu delu. Moskva, Medgiz, 1982. 430 p.
- SERGIEV, P. G., and others, eds. [Problems of general zoology and medical parasitology] Voprosy obshchei zoologii i meditsinskoi parazitologii. Moskva, Medgiz, 1982. 610 p. (DNLM)
- SEROVA, E. V. [Surgical anatomy of the lungs] Khirurgicheskaya anatomiya legkikh. Moskva, Medgiz, 1982. 144 p. (DNLM)
- SHAPOSHNIKOV, O. K. [Urticaria] Krapivnitsa. [Leningrad] Medgiz, 1982. 100 p. (Biblioteka prakticheskogo vracha) (DNLM)
- SHEBANOV, F. V., and D. D. ASSEEV, eds. [Present-day problems of tuberculosis] Sovremennyye problemy tuberkuloza. Moskva, Medgiz, 1982. 355 p. (DNLM)
- SHEFER, D. G. [Diencephalic syndromes] Dientsafal'nye sindromy. Moskva, Medgiz, 1982. 306 p. (DNLM)
- SHENGELIA, M. S. [Some basic problems of the development of medicine in Georgia. Nekotorye osnovnye voprosy razvitiya meditsiny v Gruzii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1981. 258 p. [In Georgian] (DNLM)
- SHESTAKOV, S. V. [Angina pectoris and myocardial infarct] Grudnaya zhaba i infarkt miokarda. Moskva, Medgiz, 1982. 280 p. (DNLM)
- SHIMANKO, I. I. [Physical therapy of surgical diseases and the sequelae of injuries] Fizioterapiya khirurgicheskikh zapolevnykh i posledstviy travmy. Moskva, Medgiz, 1982. 263 p. (DNLM)
- SHOFMAN, M. A. ["Secrets" of oriental medicine] "Sekrety" vostochnoi meditsiny. Moskva, Izd-vo "Znanie," 1983. 39 p. (Novoe v zhizni, nauka, tekhnika. VIII Seriya: Biologiya i meditsina, no. 2)
- SOVETOV, V. N. [Physiotherapy without apparatus] Neapparatnaya fizioterapiya; posobie dlia prakticheskikh vrachei. Kiev, Gosmedizdat USSR, 1981. 272 p. (DNLM)
- SPRINA, V. P. [What you should know about building up children's resistance] Chto nado znat' o zakalivanii detei. Moskva, Medgiz, 1982. 10 p. (Sovety roditeliam) (DNLM)
- [STRENGTHEN THE HEALTH OF THE STUDENT] Ukreplenie zdorov'ya shkol'nika; kniga dlia roditeliei. Moskva, Medgiz, 1982. 182 p. (DNLM)
- TALLINN. EPIDEMIOLOGIA, MIKROBIOLOGIA JA HUGIENI TEADUSLIKU UURIMISE INSTITUUT. Konferentsia 3d, 1980. [Reports of the Third Scientific Conference of the Tallinn Scientific Research Institute of Epidemiology, Microbiology, and Hygiene] Sbornik dokladov. Tallinn, 1981. 318 p.
- TEODOREANU, T. [Adhesive pericarditis; constrictive cardiopathy, sclerogenic serositis] Silpchiyvi perikardit. Konstriktivna ya kardiopatiya, sklerogennoye serity. Bucharest, Med. izd-vo, [1981] 301 p. (DNLM)
- TIMAKOV, V. D. [New paths of medicine] Novye puti meditsiny. Moskva, Izd-vo "Znanie," 1983. 47 p. (Novoe v zhizni, nauka, tekhnika. VIII Seriya: Biologiya i meditsina, no. 1)
- TSOPPI, E. E. [Care of the newborn] Ukhod za novorozhdennym. Moskva, Medgiz, 1982. 24 p. (Sovety roditeliam) (DNLM)
- UNDRITS, V. F., I. A. S. TEMKIN, and L. V. NEIMAN. [Manual of clinical audiology] Rukovodstvo po klinicheskoi audologii. Moskva, Medgiz, 1982. 323 p. (DNLM)
- VAINSHTEIN, V. G., ed. [Concise course in traumatology] Kratkiy kurs travmatologii. Leningrad, Medgiz, 1982. 287 p. (DNLM)
- VALGMA, KALJU. [Hypertension] Korgvererohuhaigus. Tartu, Vabariiklik, Sanitaariairiduse Maja, 1981. 36 p. [In Estonian] (DNLM)
- VERB, I. M., and T. A. PAVLOVA. [Clothing and linen for therapeutic and prophylactic institutions] Odezhda i bel'e dlia lechebno-profilakticheskikh uchrezhdenii. Moskva, Medgiz, 1982. 382 p.
- VISHINEVSKII, A. A., and N. K. GALANKIN. [Congenital defects of the heart and large vessels] Vrozhdennye poroki serdtsa i krupnykh sosudov; rukovodstvo dlia vrachei. Moskva, Medgiz, 1982. 577 p. (DNLM)
- VSESOIUZNAIA KONFERENTSIYA TERAPEVTOV, 12th, Eriyan, 1980. [Transactions of the 12th All-Union Conference of Therapists: I. Pathology of the kidneys. II. Communication between polyclinics and hospitals] Trudy I. Patologiya pochek. II. Svyaz' poliklinik so statsionarami; stenograficheskiy otchet. Eriyan, Alpotrat, 1982. 194 p. (DNLM)
- VSESOIUZNIY S'EZD KHIRURGOV, 27th, Moscow, 1980. [Transactions of the 27th All-Union Congress of Surgeons] Trudy. Moskva, Medgiz, 1982. 633 p.
- ZAITSOVA, G. I. [Artificial infant feeding (during the first year of life)] Iskusstvennoe vskarmlyvanie rebenka (pervogo goda zhizni). Leningrad, Medgiz, 1982. 46 p. (DNLM)
- ZHGENTI, V. K. [Pathological anatomy of infectious diseases, Patologicheskaya anatomiya infektsionnykh boleznei. Tbilisi, Gos. izd-vo uchebno-pedagog. lit-ry] 1981. 450 p. [In Georgian] (DNLM)
- ZMEEV, G. I. A. [Typhemia] Tifliemiya. Leningrad, Medgiz, 1982. 15 p. (Nauchno-populnaya meditsinskaya literatura) (DNLM)
- ZURABASHVILI, A. D. [Essays on clinical and theoretical psychiatry. Ocherki po klinicheskoi i teoreticheskoi psikiatrii. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo"] 1981. 434 p. [In Georgian] (DNLM)
- ## 15. AGRICULTURE
- ABDURAKHMANOV, N. A., and A. D. DZHANGIROV. [From grassland farming to a more intensive system of farming] Ot aral'nykh dacha intensiv skitshchik sistemine. Baku, Azerneshr, 1982. 82 p. [In Azerbaijani] (DNAL)
- ABUTALYBOV, M. G. [Importance of trace elements plant growing] Znachenie mikroelementov v raste vodatve. Baku, Azerbaidzhanskoe gos. izd-vo, 1982. 248 p. (DNAL)
- [AGRICULTURAL MACHINERY; a textbook for students in the 8th grade] Sel'skokhoziaistvennoe mashinostroyeniye; uchebnoe posobie dlia uchastichikov VIII klassa. Izd. 2. Moskva, Gos. uchebno-pedagog. izd-vo, 1982. 246 p. (TNJ)
- [THE AGRICULTURE OF OUR FRIENDS] Sel'skoe khoziaistvo nashikh друзей. Moskva, Izd-vo "Znanie," 1983. 47 p. (Novoe v zhizni, nauka, tekhnika. V Seriya: Sel'skoe khoziaistvo, no. 3)
- AKADEMIA NAUK KAZAKHSTANSSKOI SSR, Alma-Ata, Institut zoologii. [Parasites of farm animals in Kazakhstan] Parazitы sel'skokhoziaistvennykh zhivotnykh Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhstanskoi SSR Vol. 1. 1982. 225 p. (DNAL)
- AKADEMIA NAUK SSSR, Pochvennyi Institut im. V. V. Dokuchaeva. [Soils of the Urals, Western and Central Siberia] O pochvakh Urala, Zapadnoi i Tsentral'noi Sibiri. Moskva, Izd-vo Akad. nauk SSSR, 1982. 209 p.
- ALIZADE, M. G., SHCH. A. ALIEV, and F. M. SHAKH MEDOV. [Vegetable plants of limited distribution in Azerbaijan] Azerbaidzhanda az jaylмыш terevez bitleri. Baku, Azerneshr, 1981. 35 p. [In Azerbaijani] (DNAL)
- ALLAKHVERDIEV, M. M., and others. [Progressive practice is the source of a rich and cheap harvest] Gabagechyl techruhe bol vo uchuz mehsulun menbelik Baky, Azerbaidzhan SSR Elmier Akademiasy neshri ty, 1981. 84 p. [In Azerbaijani] (DNAL)
- ALLAKHVERDIEV, R. K. [Varietal diversity and standard varieties of grapes in Azerbaijan] Sortovoi sostav i standartnyy assortiment vinnograd Azerbaidzhanskoi SSR. Pod red. A. M. Negrullia. Baku, Azerneshr, 1982. 72 p. (DNAL)
- AVAKIAN, A. A. [Biology of the development of agricultural plants] Biologiya razvitiya sel'skokhoziaistvennykh rastenii. 2. izd. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1982. 485 p. (DNAL)
- AVAKIAN, G. A. [Results of studying chick-peas and peas at variety testing stations in the Armenian S. S. R.] Rezul'taty izucheniya nuta i gorodka na sorto-ispytaniykh uchastkakh v Arman'skoi SSR. Eriyan, Arman'skoe gos. sel'khoz. izd-vo, 1982. 55 p. [In Armenian] (DNAL)
- AVDONIN, N. S. [Improving soil fertility of the non-Chernozem zone] Povyshenie plodorodila pochv nechernozemnoi polosy. [Moskva] Izd-vo Mosk. uni 1981- (DNAL)
- BAGDASARASHVILI, Z. G. [Significance and use of trace elements in viticulture] Znachenie i ispol'zovanie mikroelementov v vinogradarstve. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1986. 109 p. [In Georgian] (DNAL)
- BARATASHVILI, I. G. [Soil and its fertility] Pochva i ee plodorodie. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1986. 42 p. [In Georgian] (DNAL)
- BASHARIN, G. P. [History of animal husbandry in Yakutia from the second half of the 19th century to the beginning of the 20th century] Istoriya zhivotnovodstva v Iakutii vtoroi poloviny XIX - nachala XX v. Iakutsk Iakutskoe knizhnoe izd-vo, 1982. 126 p.

- BASHIROV, E. B., and S. M. KULIEV. [Efficient milkmaids on the "Pravda" Collective Farm in Masally District] Masally rayonundaky "Pravda" kolhozunun gabagchyl sagychylary. Baky, Azerbaichan dovlet neshriyat, 1982. 24 p. [In Azerbaijani] (DNAL)
- BEREZOVSKI, A. A. ["Dietetic" feeds] "Dieticheski" korm. Moskva, Izd-vo "Znanie," 1963. 29 p. [Novoe v zhizni, nauke, tekhnike. V Seriya: Sel'skoe khozai-stvo, no. 2]
- BESEDN, P. N., ed. [Soils of the Golodnaya Steppe; their agronomic characteristics] Pochvy Golodnoi Stepi; ikh agronomicheskie kharakteristika. [By] S. P. Suchkov i dr. Tashkent, [Redaktsionno-izdatel'skii otdel UzASKh] 1961. 173 p. [MICROFILM]
- BIRUKOVA, A. P. [Effect of irrigation on the water and salt balance of soils in the southern part of the trans-Volga region] Vlianiye orosheniya na vodnyi i soleyoi rezhim pochv Iuzhnogo Zavolzh'ia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 266 p.
- BREZHNEV, I. E., G. R. IBRAGIMOV, and V. I. POTLAI-CHUK. [Guide to fungi occurring on the fruit and seeds of trees and shrubs] Opredivitel' gribov na plodakh i semenakh drevesnykh i kustarnikovykh porod. Moskva, Sel'khozizdat, 1962. 414 p. (DNAL)
- CHEKANOVA, N. I. [Beans as a valuable forage crop in row-crop rotations] Boby - tsennaya kormovaya kul'tura propashnoi sistemy zemledeliya. Moskva, Sel'khozizdat, 1962. 46 p. (DNAL)
- CHIKHLADZE, B. S. [Mechanization of work in forestry] Mekhanizatsiya lesokhoziaistvennykh rabot. Tbilisi, Izd-vo Gruzinskogo sel'khoz, in-ta, 1962. 380 p. [In Georgian] (DNAL)
- CHIZHOV, N. I., and G. F. UKOLOV. [Pond fish culture in the Moscow region] Prodovoe rybolovstvo v Podmoskov'e. [Moskva] Mosk. rabochi, 1962. 38 p. [Ikh opyt dostupen vsemi] (DNAL)
- CHODRISHVILI, R. V. [Possibilities for increasing labor productivity in the lumbering industry of the Georgian S. S. R. Rezervy povysheniya proizvoditel'-nosti Gruzinskoi SSR. Tbilisi, Gos. izd-vo "Sab-chota Sakartvelo," 1962. 95 p. [In Georgian]
- CHUVAKIN, A. I., and B. A. KUZ'MIN. [The "herring-bone" arrangement for milking parlors was born in meadows] V lugakh rodilas' "Elochka." [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 47 p. (DNAL)
- DANILENKO, I. A. [Ensilage of corn] Silosovanie kukuruzy. [Khar'kov] Khar'kovskoe oblastnoe izd-vo, 1957. 43 p. (DNAL)
- DOLBILIN, I. P., and V. I. UDILOV. [Mechanization and automation in lumbering camps] Mekhanizatsiya i avtomatizatsiya na lesozagotovkakh. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 96 p. (DNAL)
- DZHAVADLY, D. A. [Young cotton growers] Kench pambygchylar. Baky, Azertedrisneshr, 1962. 71 p. [In Azerbaijani] (DNAL)
- ENUBOV, EMIR-SHAKH IBRAGIM KHALIL OGLY. [Advanced methods for establishing fruit orchards] Metodye baglarynyn salynmasynyn muterreggi usullary. Baky, Azerneshr, 1961. 30 p. [In Azerbaijani] (DNAL)
- ERITSIAN, KH. A. [Selected works] Izbrannye sochineniya. Erevan, Izd-vo Glav. upr. sel'khoz, nauki MSKh, 1960. 333 p. (DNAL)
- GADZHEV, A. T. [Communicable diseases in swine] Domuzlaryn infektsion kheshtlikleri. Baky, Azerneshr, 1961. 37 p. [In Azerbaijani] (DNAL)
- GARKUSHA, I. F. [Soil science] Pochvovedenie. Leningrad, Sel'khozizdat, 1962. 447 p.
- GASANOV, IU. G., A. A. MUSTAFAEV, and G. K. KERIMOV. [Klasklik Ismailyova, the milkmaid] Sagychy Klasklik Ismailyova. Baky, Azerbaichan dovlet neshriyat, 1962. 24 p. [In Azerbaijani] (DNAL)
- GASTILA, L. I., ed. [Mechanization of drainage work] Voprosy mekhanizatsii meliorativnykh rabot; sbornik statei. Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry, 1960. 130 p. (DNAL)
- GRIGORIAN, A. A. [Establishing forest orchards. Zakladka lesosadov. Erevan, Armianskoe gos. sel'khoz, izd-vo] 1962. 74 p. [In Armenian] (DNAL)
- GRIGORIAN, G. S. [Some noninfectious diseases of young farm animals. Nekotorye nezaraznye zabolevaniya molodniaka. Erevan, Armianskoe gos. sel'khoz, izd-vo] 1962. 93 p. [In Armenian] (DNAL)
- GUSEINOV, A. A. [Effect of extracted organic fertilizers of petroleum origin on the yield of cotton] Neft moshell gazynty uzvi kubrelerin pambyg mehsuluna te'siri. Baky, Azerneshr, 1961. 38 p. [In Azerbaijani] (DNAL)
- GUSEINOV, K. T., and K. S. BURUNIN. [Growing large cotton crops] Luksek pambug mehsulunun letshidrilmesi. Baky, Azerneshr, 1962. 21 p. [In Azerbaijani] (DNAL)
- GUSEINOV, S. G. [Using radioactive irradiation and trace elements in forest seed production] Radioaktiv shualanmynyn ve mikroelementlerin moshetokhum chalgunda teblig. Ch. M. Hysekovyn. redaktesi ile. Baku Azerbaichan dovlet neshriyat, 1962. 53 p. [In Azerbaijani] (DNAL)
- HOLOVATSKYI, I. D. [Carbohydrate metabolism in farm animals] Obmin vuhlevodiv u sil's'khopodars'kykh tvorin. Kyiv, Vyd-vo Ukrain's'koi akad. sil's'khopodars'kykh nauk, 1961. 209 p. (DNAL)
- IAKUBIUK, A. N. [Gradual cuttings; practices in nanking them at the "Prokudin Bor", Forest Tract] Postepen-nye rubki; opyt ikh provedeniya v lesnoi dachio "Prokudin bor." Izd. 2., dop. i ispr. Moskva, Goslesbumizdat, 1962. 43 p. (CU)
- IL'INSKII, A. I. [Guide to forest pests] Opredivitel' vreditelei lesa. Moskva, Izd-vo sel'khoz, lit-ry, zhurnalov i plakatov, 1962. 391 p. (DNAL)
- ISKRA, V. M. [The village is studying] Selo uchiatsia. Moskva, Sovetskaya Rossiya, 1962. 78 p. [Resheniya XXII s'ezda KPSS - v zhizni] (CSU-II)
- IURKEVICH, I. D., ed. [Using herbicides and substances promoting plant growth] Primeneniye gerbitsidov i stimulyatorov rosta rastenii. Minsk, Izd-vo Akad. nauk BSSR, 1961. 310 p. (DNAL)
- IVKINA, A. F. [The most cherished goat] Samaya zayevnaya tsel'. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 15 p.
- KADYMOV, A. G. [Effect of naphthalen on the function of the semen of farm animals] Nafitalan neftinin kond teserrufaty helvanyary tokhumluglarynyn funksiyasyna te'siri. Baky, Azerneshr, 1962. 87 p. [In Azerbaijani] (DNAL)
- KALASHNIKOV, K. IA., and I. D. SHAPIRO. [Corn pests and diseases] Vrediteli i bolezni kukuruzy. Leningrad, Sel'khozizdat, 1962. 188 p. [Vrediteli i bolezni sel'skokhoziaistvennykh rastenii] (DNAL)
- KANDELAKI, G. V. [Currants. Smorodina. Tbilisi,] 1962. 34 p. [In Georgian] (DNAL)
- KARAEV, L. E. [Growing field crop seeds] Tarla bitkilerinin tokhumchulugu. Baky, Azerneshr, 1962. 95 p. [In Azerbaijani] (DNAL)
- KERIMOV, A. E. [Heroic work of the collective farmers of Azerbaijan during the Great Patriotic War] Boluk veton muharibesi illerinde Azerbaichan kolhozchularynyn fedsakar emeli. Baky, Azerneshr, 1962. 83 p. [In Azerbaijani]
- KHMKI. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHAIZATSII I ENERGETIKI LESNOI PROMYSHLENNOSTI. [Central Scientific Research Institute on Mechanization and the Use of Power in Lumbering] Tsentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. [Moskva] 1962. 8 p. [With summary in English]
- KIAZYMOVA, T. G. [Problems of landscaping the eastern parts of the Kura-Aras Lowland] Kur-araz ovalyggynyn sherg himeslinin lashyllashdyrylmasy meseleleri. Baky, Azerneshr, 1962. 83 p. [In Azerbaijani] (DNAL)
- KONFERENTSIYA PO KHIMIZATSII SEL'SKOGO KHOZAI-STVA ORENBURGSKOI OBLASTI, 2d. [Chemicalization of agriculture in Orenburg Province] Khimizatsiya sel'skogo khoziaistva Orenburgskoi oblasti; trudy. Orenburg, Orenburgskii sel'khoz, in-t, 1961. 114 p. (DNAL) [MICROFILM]
- KUDRIAVTSEVA, A. A. [Methods and techniques of setting up a field experiment at permanent field stations] Metodika i tekhnika postanovki polevogo opyta na statsionarnykh uchastkakh. 3. Izd. dop. i ispr. Moskva, Gos. izd-vo sel'khoz, lit-ry, 1960. 318 p. (DNAL)
- KULJEV, A. A. [Using electric power in food preparation] Elektrik energiyasini lomi hazirlamagla teblig. Baky, Azerneshr, 1962. 54 p. [In Azerbaijani] (DNAL)
- KULIKOV, V. I. [Contribution of the residents of Moscow to the reclamation of virgin lands. Vklad moskvichei v osvoini tselinykh zemel'. [Moskva] Mosk. rabochi, 1962. 69 p.
- LADYGIN, I. IA., and A. S. IVANOV. [Principles governing the use of fertilizers] Osnovy primeneniya udobrenii. Moskva, Izd-vo "Znanie," 1962. 37 p. [Narodnyi universitet kul'tury. Sel'skokhoziaistvennyi fakul'tet, no. 12]
- LENINGRAD. INSTITUT RASTENIEVOODSTVA. [Papers by postgraduate students and young science research workers] Sbornik rabot aspirantov i molodykh nauchnykh sotrudnikov. Leningrad, 1959. 239 p. (DNAL)
- LITVINOVA, N. N., V. N. RIABOVA, and N. I. KHLEBNIKOVA, eds. [Hygiene of irrigated agricultural fields; experimental hygienic research] Gigena zemledel'cheskikh polov orosheniia; eksperimental'nye gigenicheskie issledovaniya. Moskva, Medgiz, 1962. 299 p. (DNAL)
- MANDZHAVIDZE, D. V. [Caucasian Zerkova. Kavkazskaya dzhirka. Tbilisi, Izd-vo AN Gruz. SSR] 1962. 78 p. [In Georgian with summary in Russian] (DNAL)
- MANVELIAN, M. P., and S. G. MELIKSETIAN. [Prophylaxis of traumatism in domestic animals. Profilaktika travmatizma sel'skokhoziaistvennykh zhivotnykh. Erevan, Armianskoe gos. izd-vo,] 1961. 70 p. [In Armenian] (DNAL)
- MEDNIS, M. P. [Water balance of cotton planted in cheetrows] Vodnyi rezhim khlopchatnika pri kvadratno-gnezdovom sposobe posava. Tashkent, Izd-vo Akad. nauk UzSSR, 1960. 31 p. (DNAL)
- MEL'NICHENKO, V. P., I. B. GRANOVSKI, and A. A. DATSENKO. [Over-all mechanization of sugar-beet growing and harvesting] Kompleksnaya mekhanizatsiya vozdeleyvaniya i uborki sakharnoi svekly. Moskva, Proftekhizdat, 1962. 51 p. (DNAL)
- MEL'NIK, V. D., and A. I. DOVSUNOVSKI. [New technology for growing sugar beets] Novaya tekhnologiya vozdeleyvaniya sakharnoi svekly. Moskva, Proftekhizdat, 1962. 61 p. (DNAL)
- MEL'NIKOV, V. A. [Mechanization of potato growing. Mekhanizatsiya vozdeleyvaniya kartofolia. Erevan, Armianskoe gos. sel'khoz, izd-vo] 1961. 98 p. [In Armenian] (DNAL)
- METREVELI, V. I. [Advanced practices in over-all mechanization and automation of livestock farms. Peredovoi opyt kompleksnoi mekhanizatsii i avtomatizatsii zhivotnovodcheskikh ferm. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1962. 90 p. [In Georgian] (DNAL)
- MINSK. BELORUSSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT LESNOGO KHOZAI-STVA, [Forestry science and practice] Lesovodstvennaya nauka i praktika. Minsk, Sel'khozgiz BSSR, 1962. 246 p. (DNAL)
- MIRZAEV, M. M. [Basic grape varieties in Uzbekistan] Uzbekistonning asosli uzum naybari. Toshkent, Uzbekiston SSR davlat nashriati, 1959. 68 p. [In Uzbek] (DNAL)

- MURADIAN, V. A. [Beacon lights at the foot of the Karabakh Mountains; from the practices in diversified dry farming] Svetil malak u podnozhiia Karabakhekikh gor; iz opyta vedeniia mnogootraslovogo khoziaistva v bogarnykh ustovlinakh. Baku, Azerneshr, 1962. 29 p. (Peredovoi opyt v sel'skom khoziaistve) (DNAL)
- NIKIFOROV, A. M. [Protecting plants from pests and diseases] Zashchita rastenii ot vreditel' i boleznei. Moskva, Gos. izd-vo sel'khoz lit-ry, 1901. 160 p. (DNAL)
- NIKITIN, V. V. [Weeds of Turkmenistan] Sornina rastitel'nost' Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmenoi SSR, 1957. 580 p. (DNAL)
- NURITDINOV, I. N., and V. S. GUIDSHNIKOV. [Sericulture in the Uzbek S.S.R.] Shitkovodstvo v Uzbekskoi SSR. Tashkent, Gosizdat UzSSR, 1958. 37 p. (DNAL)
- PAIKIN, D. M. [The shield bug Eurygaster integriceps] Vrednata cheropashka. Leningrad, Sel'khozizdat, 1961. 84 p. (Vrediteli i bolezni sel'skokhoziaistvennykh rastenii) (DNAL)
- PAKHUCHII, V. M. [Model feed rations for cattle, swine, and sheep] Primernye ratsiony kormleniia krupnogo rogatogo skota, svinei i ovets. [Khar'kov] Khar'kovskoe obl. izd-vo, 1957. 120 p. (DNAL)
- PISTUNOV, M. I. [Expert corn growers] Maistry - kukurudzhovody. [Dnepropetrovsk] Dnepropetrovsk'ka knyzhkovoe vyd-vo, 1961. 44 p. (Biblioteka kukurudzhovody) (DNAL)
- [POCKET MANUAL FOR THE POULTRY MAID] Kurmannyi upravochnik ptilnitay. [Moskva] Mosk. rabochii, 1962. 111 p. (DNAL)
- PORTNOV, M. N. [Grain combines] Zernovye kombainy. 2., perer. izd. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1959. 355 p. (DNAL)
- REPUBLIKANSKAIA KONFERENTSIIA PO VOPROSAM KHIMIZATSII SEL'SKOGO KHOZIAISTVA BASSR. [Chemicalization of agriculture in Bashkiria] Khimizatsiia sel'skogo khoziaistva Bashkiri; trudy konferentsii. Ufa, Bashkirskoe respublikanskoe pravlenie Vses. khim. ob-va im. D. I. Mendeleeva, No. 1. 1959. 117 p. (DNAL)
- [MICROFILM]
- ROMANOV, V. I. [Economic effectiveness of over-all mechanization of corn growing] Ekonomichna efektyvnist' kompleksnoi mekhanizatsii vyrobnyatstva kukurudy. Kyiv, Derzhail'nospyvdyv URSS, 1961. 105 p. (DNAL)
- RUSSIA (1923- U. S. S. R.) Gosudarstvennaia planovaiia komissia. Ikhtologicheskaiia komissia. Zapadno-Sibirskoe otdelenie. [Development of pond fish culture in Siberia; materials of the Seventh Plenum of the Western Siberian Branch of the Ichthyological Commission of the State Planning Committee of the Council of Ministers of the U. S. S. R. held in Kemerovo on September 11-12, 1961] Razvitie prудovogo rybolovstva v Sibiri; materialy VII Plenuma Zapadno-Sibirskogo otdeleniia Ikhtologicheskoi komissii Gosplana SSSR, provedennogo v Kemerove 11-12 sentyabria 1961 g. Novosibirsk, 1962. 95 p. (DNAL)
- [MICROFILM]
- SARKISIAN, S. A. [Annual clover (Persian clover). Odnoletnii klover (shabdar). Erevan, Armianskoe gos. sel'khoz. izd-vo, 1962. 43 p. [In Armenian] (DNAL)
- SKOVRONSKAIA, A. E., and N. D. STEPANOV. [Weather and crops] Pogoda i posovy. [Cholabinsk] Cholabinskoe knizhnoe izd-vo, 1962. 102 p. (DNAL)
- SNITKO, N. F., S. F. SERPUKHOVITINA, and E. M. STOROZHENKO. [Orchards and vineyards on the farmers' personal plots] Priusudebnyi plodovyi sad i vinnogradnik. 2. izd., ispr. i dop. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1960. 159 p. (DNAL)
- SOLOV'EV, N. G. [Problems for laboratory studies in the cultivation of meadows] Sbornik zadani k laboratornym zaniatiim po lugovodstvu. Moskva, Timiriazovskaiia sel'skokhoziaistvennaia akad., 1959. 60 p. (DNAL)
- STAROVEROV, M. O., and A. E. MIAND. [Preparing and using hay meal] Vyhotovleniia slonno boroshna i ichio vykorystanniia. Kyiv, Derzhail'nospyvdyv URSS, 1961. 46 p. (DNAL)
- STEPANOV, V. N., ed. [Plant growing] Rastenievodstvo. Moskva, Gos. izd-vo sel'khoz lit-ry, 1959. 426 p. (Uchebniki i chebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedeni) (DNAL)
- SVETLICHNYI, V. A., and others. [Over-all mechanization of sugar-beet growing and harvesting] Kompleksnaya mekhanizatsiia vozdeleyvaniia i uborki sakharnoi svekly. Moskva, Proftekhizdat, 1962. 78 p. (DNAL)
- USOV, N. I. [Soils of Saratov Province] Pochvy Saratovskoi oblasti. [Saratov] Saratovskoe obl. izd-vo, 1948. 2 v. (DNAL)
- TADEOSIAN, P. I. A. [Green manuring in field-crop cultivation] Primenenie zelenogo udobreniia v polovodstvo. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1959. 40 p. [In Georgian] (DNAL)
- TARAKANOV, G. I., and B. K. CHAPLYGIN. [Light-weight covers] Nevesomye ukrytiia. Moskva, Izd-vo "Znanie", 1963. 20 p. (Novoe v zhizni, nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no. 1)
- TETTELBAUM, VIKTOR. [Problems in the development of vegetable growing in the Estonian S.S.R.] Koogivilakasvatuse arendamise küsimusi Eesti NSV-s. Tallinn, Eesti Riiklik Kirjastus, 1961. 32 p. [In Estonian] (DNAL)
- TOVMASHIAN, A. S. [Increasing the viability of perennial grasses. Povyshenie vyzhivaimosti mnogoletnikh trav. Erevan] 1961. 92 p. [In Armenian] (DNAL)
- TUMANIAN, A. G., S. A. MIRZOIAN, and I. A. A. SENKERIMIAN. [Protecting ornamental plants against pests and diseases. Zashchita dekorativnykh rastenii ot vreditel' i boleznei. Erevan, Armianskoe gos. sel'khoz. izd-vo] 1961. 99 p. [In Armenian] (DNAL)
- VENSKUTONIC, V. I. [Fruit culture] Sodininkyste. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1959. 561 p. [In Lithuanian] (DNAL)
- VSESOIUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT PCHELOVODSTVA. [Bees and vegetable-crop yields; reports at a joint session of learned councils] Pecholy i urozhai ovoshchei; doklady na ob'edinnom sessii uchenykh soveto. Moskva, Izd-vo M-vn sel'. khoz. RSFSR, 1960. 103 p. (DNAL)
- ZAL'TSMAN, L. M., and others, eds. [Distribution and specialization in U.S.S.R. agriculture] Voprosy razmeshcheniia i spetsializatsii sel'skogo khoziaistva SSSR. Moskva, Ekonomizdat, 1962. 637 p. (DNAL)
- ZOGRABIAN, L. I. [Principles governing the raising of young farm animals and prevention of infectious diseases. Osnovy vyrashchivaniia molodnitsa sel'skokhoziaistvennykh zhivotnykh i profilaktika zaraznykh zabolevani. Erevan, Armianskoe gos. sel'khoz. izd-vo] 1962. 105 p. [In Armenian] (DNAL)
16. TECHNOLOGY
- ABDEEV, M. A. [Complex metal ore maties and their conversion] Polimetallicheskie shchelny i ikh konvertirovaniia. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 227 p. (DNAL)
- ABMORSHEV, V. I., and K. A. LOKHANIN. [PK-3 (PK-3m) cutter-loader] Prokhodcheskii kombain PK-3 (PK-3m). 2. izd., dop. i perer. Moskva, Gosgortekhzdat, 1962. 219 p. (DNAL)
- ABRAMOV, S. A. [Equipment and technology for the steam setting of capron laryery] Oboorudovaniie i tekhnologiya zaparivaniia kapronovykh chulok. Moskva, Rostekhzdat, 1962. 140 p. (DNAL)
- AFANAS'EV, A. F. [Screw thread and threaded parts; manual on mechanical drawing for students of the Moscow Chemical and Technological Institute] Rozba i rozbovyie izdeliia; posobie po mashinostroitel'nomu cherenitiu dlia studentov MKhIT imeni D. I. Mendeleeva. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D. I. Mendeleeva, 1962. 38 p. [MICROFILM]
- AFANAS'EV, I. L., B. S. KOLJASINSKII, and A. A. MASLOV. [Garages and service stations; album of drawings] Garazhi i stantsii obsluzhivaniia avtomobilei; al'bom chertezhei. Moskva, Avtotransizdat, 1962. 104 p. (DNAL)
- AGOSHKOV, M. I., S. S. BORISOV, and V. A. BOLARSKII. [Development of ore and placer deposits] Razrabotka rudnykh i rossypnykh mestorozhdenii. Moskva, Gosgortekhzdat, 1962. 678 p. (DNAL)
- AIMUKHAMEDOVA, G. B., and K. P. ZAKHAROV. [Importance and methods of production of glutamic acid, betaine, and their derivatives] Znachenie i metody polucheniia glutaminovoi kisloty, betaina i ikh proizvodnykh. Frunze, Izd-vo Akad. nauk Kirgizskoi SSSR, 1962. 138 p. (DNAL)
- AKADEMIA KOMMUNAL'NOGO KHOZIAISTVA. [Machines and implements for establishing and maintaining greenbelts and parks; an album] Mashiny i orudiia dlia zelenogo stroitel'stva i khoziaistva; al'bom. Moskva, 1962. 144 p. (DNAL)
- AKADEMIA NAUK SSSR. [Akutskii filial, Yakutsk. Otdel energetiki. Power resources of the Yakut A.S.S.R.] Energeticheskie resursy Iakutskoi ASSR. Pod obshchim rukovodstvom G. M. Chudinova. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 265 p. (DNAL)
- AKADEMIA NAUK SSSR. [Institut avtomatiki i telemekhaniki. New developments in pneumatic and hydraulic control] Novoe v pnevmo-gidravlicheskoi avtomatike. Moskva, Izd-vo Akad. nauk SSSR, 1962. 158 p. (DNAL)
- AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut proizvodstvennogo obucheniia. [Training students in farm mechanization and electrification] Podgotovka uchashchikhsia po mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Pod red. I. G. Kitaeva i V. A. Chichkova. Moskva, Izd-vo APN RSFSR, 1962. 50 p. (Pedagogicheskie chteniia)
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut betona i zhelezobetona, Perovo. [Technical specifications TU 204-55 for reinforced-concrete man-hole covers] Tekhnicheskie uslovia na luki zhelezobetonnye dlia smetrovykh kolodtsov (TU 204-55). Izd. 3. Moskva, 1960. 19 p. (DNAL)
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut obshchestvennykh zdani i sooruzhenii. [Summer health-resort towns] Letnie kurortnye gorodki. Moskva, Gosstroizdat, 1962. 142 p. (DNAL)
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut osnovanii i podzemnykh sooruzhenii. [Instructions for the design of foundations for the southern permafrost zone] Ukazaniia po proektirovaniu osnovanii i fundamentov dlia luzhnol zony rasprostraneniia vechnomerzlykh gruntov. Moskva, Gosstroizdat, 1962. 76 p. (DNAL)
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut po stroitel'stvu, Rostov-on-Don. [Album of heating furnaces and stoves] Al'bom otopitel'nykh i bytovykh pechei. Moskva, Gosstroizdat, Pt. 2. [Stoves for heating and cooking] Pechi otopitel'no-varochnye. 1962. 86 p. (DNAL)
- AL'BREKHT, V. G., and V. I. BOLOTIN. [Small-scale mechanization of the operations in track maintenance and repair] Malaya mekhanizatsiia v putevom khoziaistve. Moskva, Transzheldorizdat, 1962. 124 p. (DNAL)
- ALIZADE, A. S. [Electrification is the economic basis of communist society] Elektrifikatsiia - kommunizm khimichii igisadiliatynyn esasydyr. Bakı, Azerbaichan SSR siasii va elmi biliklari iain chemliet, 1962. 23 p. [In Azerbaijan] (DNAL)
- AMIROV, A. D. [Offshore oil workers, winners of the Lenin Prize] Morskije nefianiki - laureaty Leninskoi premii. Baku, Ob-vo po rasprostraneniui polit. i nauchn. znani, 1962. 89 p. (DNAL)
- ANTIPIN, L. N., and S. F. VAZHENIN. [Saving of electric power in stepped-up production of aluminum] Ekonomiiia elektroenergii pri intensifikatsii proizvodstva aluminia. Sverdlovsk, Metallurgizdat, 1961. 34 p. (DNAL)
- ANTONOV, M. V., A. F. DZHAFAROV, and E. N. VOLKOV. [Commercial guide to food products; vegetables and fruit] Tovarovedenie proizvodstvennykh tovarov; ovoshchi i plody. Pod red. A. N. Rukosueva. Moskva, Gostorgizdat, 1962. 400 p. (DNAL)
- ANTROPOV, A. V. [Advice to boring machine operators] Sovety rastochniku. [Moskva] Mosk. rabochii, 1962. 58 p. (Novatoryi semiletii)
- APARISI, R. R., and B. A. GARF. [Using solar energy] Ispol'zovanie solnechnoi energii. Moskva, Izd-vo Akad. nauk SSSR, 1956. 58 p. (Akademiia nauk SSSR. Nauchno-populiarnaiia seriia)

- ARKHIPOV, K. N., and N. V. SOLOV'EV. [Fundamentals of safety engineering and fire prevention in the building materials industry] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki v promyshlennosti stroitel'nykh materialov. Pod obshchei red. N. D. Zolobitskogo. Moskva, Gosstroizdat, 1962. 295 p.
- ASTASHENKOV, P. T. [Atomic radio engineering] Atomnaya radiotekhnika. Moskva, Gosatomizdat, 1962. 88 p.
- AZERBAIJAN. Gosudarstvennyi komitet po delam stroitel'stva i arkhitektury. [Standard regional estimates for construction work, determined by local conditions of construction projects for the first and second groups of construction projects in Baku and Kirovabad and nineteen zones of the Azerbaijan S. S. R.] Sbornik ednykh ratonnykh edinykh rastenok na stroitel'nye raboty, privlazznykh k mestnym usloviyam stroek dlia pervoi i vtoroi grupp stroek po g. g. Baku, Kirovabad i 19-ti zonam Azerbaidzhanskoi SSR. Baku, 1959. 7 p.
- BADENKO, V. I., N. K. VOLOSHCHENKO, and M. F. FEL'DMAN. [Inspection and repair of freight cars in mass loading and unloading stations] Osmotr i remont gruzovykh vagonov nastantsiakh massovoi pogruzkii i vygruzki; opyt Donetskoi dorogi. Moskva, Transzheldorizdat, 1962. 40 p.
- BACHURIN, D. G. [Study and uses of polymers in industry; a survey of foreign techniques] Issledovanie i primeneniye polimerov v promyshlennosti. Moskva, Gosint'i, 1962. 111 p. (Obzor zarubezhnoi tekhniki. Tema 10)
- [MICROFILM]
- BAIRAMOV, F. M. [Young mechanic] Kench mashinist. Baky, Azerbaidzhan Ushag ve Kenchler Edebiyatly neshriyatly, 1962. 21 p. [In Azerbaijani]
- BALAJKA, BOHUMIL, and KAREL SYKORA. [Heat transfer processes in heat exchangers of the chemical industry] Protsessy teploobmena v apparatakh khimicheskoi promyshlennosti. Pod red. V. A. Grigor'eva. Moskva, Mashgiz, 1962. 350 p.
- BATHAKOV, V. P., ed. [Corrosion and the protection of metals] Korrozii i zashchita metallov; sbornik statei. Moskva, Oborongiz, 1962. 193 p.
- BELL TELEPHONE LABORATORIES, INC. [Methods for measuring the parameters of transistor devices. Translated from "Transistor technology." Preface by M. Iglitsyn] Metody izmereniia parametrov poluprovodnikovykh priborov. Pod red. M. I. Iglitsyna. Moskva, Oborongiz, 1961. 202 p. (Poluprovodnikovye materialy i pribory)
- BEREZIN, B. V. [Repair of the equipment of by-product coke plants] Remont koksokhimicheskogo oborudovaniia. Sverdlovsk, Metallurgizdat, 1962. 237 p.
- BEREZOVETS, G. T., A. L. MAL'YI, and E. M. NADZHAFOV. [Devices in a pneumatic, multipurpose, standardized system and their use in automatically controlled production processes] Pribory pnevmaticheskoi agregatnoi unifikirovannoi sistemy i ikh ispol'zovanie dlia avtomatizatsii proizvodstvennykh protsessov. Izd. 2., perer. i dop. Moskva, Gostoptekhzdat, 1962. 213 p.
- BIRULIA, A. K. [Designing roads] Proektirovaniye avtomobil'nykh dorog. Izd. 4., perer. i dop. Moskva, Aviotransizdat, 1962. 651 p.
- BOIKO, I. I., and V. A. BUIANOV. [Freight haulage with tractor trains] Perevozka gruzov avtopoezdami; opyt malakov-avtotransportnikov. Moskva, Aviotransizdat, 1962. 106 p.
- BOLOTNIKOV, V. I. [Handbook on accident prevention for the worker installing electric hoists] Pamiatka po tekhnike bezopasnosti dlia slesaria-montazhnika elektricheskikh pod'emnikov. Moskva, Gosstroizdat, 1962. 15 p. (Tekhnika bezopasnosti v stroitel'stve)
- BOZHKO, M. P., and V. S. MARGULIS. [Crushing machine operator] Mashinist mel'nitsa. Moskva, Gosgortekhzdat, 1962. 98 p. (Biblioteka molodogo obogatitelia)
- BRATSLAVSKII, I. A. [Transistor devices in communication apparatus] Poluprovodnikovye pribory v apparature svyazi. Moskva, Voenizdat, 1962. 127 p.
- BRUSHTEIN, B. E., and V. I. DEMENT'EV. [Fundamentals of machining on lathes] Osnovy tokarnogo dela. Izd. 4., dop. Moskva, Proftekhizdat, 1962. 325 p.
- BURLAKOV, V. N., and E. A. FOSTIL. [Mine timberer] Krepl'shchik gornyykh vyrabotok. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 161 p.
- CHERNOUSOV, I. A. M. [Course in the general geology of coal deposits] Kurs obshchei geologii ugol'nykh mestorozhdenii. Moskva, Gosgeoltekhizdat, 1962. 204 p.
- CHERNYSHEV, E. T., N. G. CHERNYSHEVA, and E. N. CHECHURINA. [Magnetic measurements using alternating and direct currents] Magnitnye izmereniia na postoiannom i peremennom toke. Moskva, Standartgiz, 1962. 183 p.
- CHERNYSHEV, P. N., A. K. SOROKA, and P. N. NALIVAIKO. [Repair of cars on a conveyor; the experience of Kanash, Darnitsa, Borisoglebsk and Nizhnedneprovsk car repair shops] Remont vagonov na konveiere; opyt Kanashskogo, Darnitskogo, Borisoglebskogo i Nizhnedneprovskogo vagonoremontnykh zavodov. Moskva, Transzheldorizdat, 1962. 155 p.
- CHIKALOV, G. P., and others. [Manufacturing motor-vehicle parts of capron] Izgotovlenie detalii avtomobilia iz kaprona. Kiev, Nauchno-issl. in-1 mestnoi i toplivoi promyshl., 1959. 45 p.
- [MICROFILM]
- CHUGAEV, I. U. G., and V. A. PLJSKO. [Electronic digital computers] Elektronnyye tsifrovye vychislitel'nye mashiny. Moskva, Voenizdat, 1962. 405 p.
- CHUMACHENKO, V. N. [Modernization of equipment in operational electric power plants] Modernizatsiia oborudovaniia na deistvuiushchikh elektrostantsiakh. Moskva, Vystavka dostizhenii narodnogo khoz. SSSR, 1962. 24 p.
- [MICROFILM]
- [CONFECTIONERY PRODUCTS; testing methods] Konditorskie izdeliia; metody issyiani. Izd. ofitsial'noe. Moskva, Standartgiz, 1961. 84 p. (SSSR. Gosudarstvennyye standarty)
- [CURRENT MAINTENANCE AND REPAIR OF TRACKS] Tekushchee soderzhanie i remont puti; opyt puteitsev Nizhnedneprovsk-Uzlovskoi distantsii Pridneprovskoi dorogi. Moskva, Transzheldorizdat, 1962. 55 p.
- DERBO, I. F. [Semiconductor thermistors and photoresistors] Poluprovodnikovye termosoprotivleniia i fotosoprotivleniia. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 110 p.
- DESHEVOI, G. M., B. I. A. MIROSHNICHENKO, and S. V. LASTOCHKIN. [Manual for a lay-out mechanic] Spravochnik razmetchika-mashinostroitelia. Moskva, Mashgiz, 1962. 378 p.
- DESHKO, I. U. I., M. B. KREIMER, and T. A. OGARKOVA. [Adjustments and heat-engineering tests of rotary kilns at cement plants] Naibdia i toplotekhnicheskoe issyianiia vrashchalsushchikhia pecheli na toementnykh zavodakh. Moskva, Gosstroizdat, 1962. 242 p.
- DZHALALIAN, E. S. [Handbook on accident prevention for the mining foreman] Pamiatka po tekhnike bezopasnosti dlia gornogo mastra. Moskva, Gosstroizdat, 1962. 34 p. (Tekhnika bezopasnosti v stroitel'stve)
- DZHALILOV, T. I. [Improved water-treatment plant] Sistemizatsiia gurgunna tekhnicheskikh sistem. Baky, Azerneshr, 1961. 47 p. [In Azerbaijani]
- DZHEBRALOV, N. F. [Inventor Dzhamil' Memedov] Mekhanizator Chemil Memmedov. Baky, Azerbaidzhan Ushag ve Kenchler Edebiyatly neshriyatly, 1962. 18 p. [In Azerbaijani]
- EFIMETS, N. D. [Electric power supply sources of telecommunication systems] Istochniki elektropitanii ustanovok svyazi. Leningrad, Leningr. elektro-tekhn. in-1 svyazi im. M. A. Bonch-Bruевичa. No. 1. [Chemical sources of electric current] Khimicheskie istochniki toka; uchebnoe posobie. 1962. 77 p.
- [MICROFILM]
- EFRUSSI, M. M. [Acoustical design of loudspeakers] Akusticheskoe oformlenie gramkogovoritelei. Moskva, Gosenergizdat, 1962. 46 p. (Massovaya radio-biblioteka, no. 441)
- EGUNOV, P. M. [Coolers of diesel locomotives] Teplovoznye kholodil'niki. Moskva, Transzheldorizdat, 1962. 94 p. (Biblioteka mashinista teplovoza)
- EMEL'IANOV, L. V., I. A. ZHIVOTINSKII, and A. D. GITLEVICH. [Auxiliary equipment for welding; an album] Vspomogatel'noe oborudovanie dlia svarki; albom. Moskva, Proftekhizdat, 1962. 123 p.
- EPANESHNIKOV, M. M. [Electric lighting] Elektricheskoe osveshchenie. Izd. 3., perer. i dop. Moskva, Gosenergizdat, 1962. 335 p.
- EREMENKO, B. A., and others. [Measurement and control of hydrogen ion concentration (pH) in the products of sugar manufacture] Izmerenie i regulirovaniye kontsentratsii vodorodnykh ionov (pH) v produktakh sakharnogo proizvodstva. Kiev, TSentr. nauchno-issl. in-1 sakharnoi promyshl., 1959. 45 p. [MICROFILM]
- ERSHOV, I. M. [Corrosion protection of cables in Centralized Traffic Control and communications] Zashchita kabelei STsB i svyazi ot korrozii. Moskva, Transzheldorizdat, 1962. 127 p.
- FADEEVA, V. S., and others. [Modern methods of studying building materials] Sovremennyye metody issledovaniia stroitel'nykh materialov. [By] T. S. But i dr. Pod obshchei red. V. S. Fadeeva. Moskva, Gosstroizdat, 1962. 236 p.
- FAKTOROVICH, I. A. [Remote control in construction] Dispetcherskoe upravleniye v stroitel'stve. Izd. 2., perer. i dop. Moskva, Gosstroizdat, 1962. 202 p.
- FOROSTENKO, I. A. D., I. I. ZHARKOVSKII, and S. P. IGNAT'EV. [In a sport airplane] Na sportivnom samolote. Moskva, Izd-vo DOSAAF, 1962. 236 p.
- GALKIN, I. G. [Planning operation completion in housing construction] Planirovaniye zadela v zhilishchnom stroitel'stve; nauchnoe soobshchenie. Moskva, Gosstroizdat, 1961. 46 p. (Nauchnye soobshcheniia, no. 14)
- GAVRUSEVA, A. I., and I. I. KONSTANTINOV. [New types of tank cars] Novyye isisterny. Moskva, Transzheldorizdat, 1962. 32 p.
- GENKIN, S. I., and N. D. LEBEDIANSKAYA. [Pressurization of modern airplanes] Germotizatsiia sovremennykh samolotov. Moskva, Voenizdat, 1962. 108 p.
- GINZBURG-SHIK, L. D. [Manual for riggers] Pamiatka takelazhnika. Moskva, Gosenergizdat, 1961. 80 p.
- GLAZKOV, A. N., and A. N. PAFENOV. [Electric equipment for petroleum and gas refineries] Elektrooborudovanie neflagazoperatsiivnykh khimicheskikh zavodov. Moskva, Gostoptekhzdat, 1962. 343 p.
- GLIZMANENKO, D. L. [Welding and cutting of metals] Svarka i rezka metallov. Izd. 5., perer. Moskva, Proftekhizdat, 1962. 447 p.
- GORKOVSKII AVTOMOBIL'NYI ZAVOD. Gorki. [Engine of the "Volga" automobile; design, maintenance, repair] Dvigatel' avtomobilia "Volga"; ustroistvo, obsluzhivanie, remont. Gorki, Gorkovskoe knizhnoe izd-vo, 1962. 188 p.
- GRODSKII, E. I. A., and A. B. GRODEK. [Mesh-reinforced concrete elements for rural buildings and structures] Armatsiamentnye konstruktii sel'skikh zdani i sooruzhenii. Moskva, Gosstroizdat, 1962. 66 p.
- GROSHIN, S. I. [Suggestions for safety measures in prospecting for minerals] Sovety o merakh bezopasnosti pri poiskakh poleznykh iskopaemykh. 3. izd. Moskva, Gosgeoltekhizdat, 1962. 39 p. (Biblioteka iakitelia polozykh iskopaemykh)
- GUBERMAN, D. M. [Handbook on safety measures in deep test drilling for oil and gas] Posobie po tekhnike bezopasnosti pri glubokom razvedochnom burenii na neft' i gaz. Moskva, Gosgeoltekhizdat, 1962. 49 p.
- [MICROFILM]
- GUROVSKII, N. I. A. [Handbook on accident prevention for the pipelayer when installing outdoor pipelines] Pamiatka po tekhnike bezopasnosti dlia truboukladchika pri montazhe truboprovodov naruznykh setei. 2., perer. i dop. Izd. Moskva, Gosstroizdat, 1962. 15 p. (Tekhnika bezopasnosti v stroitel'stve)
- GURSKII, P. A., and others. [Experience in the organization of a railroad laboratory for the inspection and maintenance of measuring equipment] Opyt organizatsii dorozhnoi kontrol'no-izmeritel'noi laboratorii. Moskva, Transzheldorizdat, 1962. 167 p.
- GUSEV, I. U. L., and S. F. KOP'EV. [Boiler systems and thermal networks] Kotel'nye ustanovki i teplovyye seti. Moskva, Gosstroizdat, 1962. 310 p.
- [HANDBOOK FOR INVENTORS AND INNOVATORS] Spravochnik dlia izobretatelia i ratsionalizatora [By] N. A. Anikin i dr. Izd. 3., ispr. i dop. Moskva, Mashgiz, 1962. 791 p.
- [HANDBOOK ON DRILLING BOREHOLES IN UNDERGROUND WORKINGS] Spravochnik po bureniiu shpurov i skvazhin na podzemnykh rabotakh [By] V. K. Buchnev, i dr. Moskva, Gosgortekhzdat, 1962. 271 p.

- [HANDBOOK ON NONFERROUS AND RARE METALS AND THEIR COMPOUNDS USED IN LABORATORY PRACTICE; main indices of the quality of specimens] Spravochnik po tsvetnyim i redkim metallam i ich soedineniyam, primenyaemym v laboratornoi praktike; osnovnye pokazateli kachestva preparatov. Sost. B. L. Porozhenko. Moskva, Gosizdatizdat, 1962, 627 p.
- [HANDBOOK ON THE PRODUCTION OF STRUCTURAL CERAMICS] Spravochnik po proizvodstvu stroitel'noi keramiki. Moskva, Gosstroizdat, 1962, 690 p.
- Vol. 3. [Wall and roofing ceramics] Stenovaya i krovel'naya keramika. Pod red. M. M. Naumova i K. A. Nokhratiana. 1962, 690 p.
- IASHERITSYN, P. I. [Our practice in the modernization of equipment and automation of production processes] Nash opyt modernizatsii oborudovaniya i avtomatizatsii proizvodstva. Minsk, Gosizdat BSSR, 1962, 98 p.
- IBRAGIMOV, I. A., and V. V. ILIASOV. [Testing and adjustment of temperature regulating and automatic control devices] Ispytaniya i nastroyeniye avtomaticheskikh i avtomaticheskikh ustroystv dlya regulirovaniya temperatury. Baki, Azerbaidzhan davlat nashriyati, 1962, 299 p. [In Azerbaijani]
- INTERNATIONAL ELECTROTECHNICAL COMMISSION. [International electrotechnical vocabulary. Group 20: Scientific and industrial measuring instruments. Preface in Russian, French, and English] Mezhduнародnyy elektrotekhnicheskii slovar'; gruppy 20: Laboratornyye i tekhnicheskie izmeritel'nye pribory. [Ed. 2.] Moskva, Glav. red. inostr. nauchno-tekhn. slovarov Fizmatgiz, 1962, 225 p.
- IONAT, V. A. [Calculation for horizontal drainage in heterogeneous soils] Raschet gorizontalnogo drena-zha v neodnorodnykh gruntakh. Pod red. S. F. Avonova. Tallinn, Estonskii nauchno-issl. in-t zemledeliya i melioratsii, 1962, 346 p.
- IURMANOV, B. N., and N. N. USHAKOV. [Transducers and amplifiers in construction technology] Datchiki i usiliteli v stroitel'noi tekhnike. Leningrad, Gosstroizdat, 1962, 118 p.
- IVANOV, I. E. [Corn as a material for industrial enterprises] Kukurudza - syrovyya promyslovyykh podpriyemstv. Kyiv, Derzhizdatyudv URSR, 1961, 37 p.
- KADYMOV, I. A. B., and M. M. RASULOV. [Magnetic amplifiers] Magnitnyye kuchendichili. Baki Azerbaidzhan, 1962, 102 p. [In Azerbaijani]
- KAGANOVICH, S. I. A. [Zirconium and hafnium; technical and economic description and analysis of mineral resources, their development and use] Tsvirkoni i gafnii; tekhniko-ekonomicheskie obshcheyeniya i analiz mineral'no-syr'evykh resursov, proizvodstva i primeneniya. Moskva, Izd-vo Akad. nauk SSSR, 1962, 180 p.
- KALERT, A. A., and others. [Study of lightweight improved road pavements of the northwestern part of the U.S.S.R.] Issledovanie oblegchennykh usovershenstvennykh pokrytiy avtomobil'nykh dorog severo-zapadnoi chasti SSSR. [By] V. P. Bukharov i dr. Pod red. A. A. Kalerta. Moskva, Avtotransizdat, 1962, 124 p.
- KAMANIN, N. P. [First citizen of the universe] Pervyi grazhdanin veselennoi. [Moskva] Molodaya gvardiya, 1962, 157 p.
- KARSEKII, V. E., and P. P. DOROSHCHENKO. [Cupola furnaces with water cooling] Vagranki s vodnyim okhlazhdeniem. [Lugansk] Luganskoe oblastnoe izd-vo, 1959, 12 p.
- [MICROFILM]
- KARTASHOV, V. P. [Unit-method maintenance of motor vehicles during harvesting] Agregatnyi metod obeluzhivaniya avtomobilov v vremya uborki urozhaya. [Saratov] Saratovskoe knizhnoe izd-vo, 1962, 26 p.
- KARTSHVADZE, G. N., S. V. MEDVEDEV, and SH. G. NAPIETVARIDZE. [Earthquakeproof construction abroad] Seismostoikeye stroitel'stvo za rubezhom; po materialam Vtoroi vsemirnoi konferentsii po seismostoikeyu stroitel'stva v 1960 g. v g. Tokio. Pod obshchey red. K. S. Zavrinya i S. I. Duzinkovicha. Moskva, Gosstroizdat, 1962, 223 p.
- KASK, K. [Problems affecting the lowering of production costs of precast reinforced concrete in the Estonian S.S.R.] Monteeritav raucbetooni tootmise omahinna alandamise kuestusi Eesti NSV-s. Tallinn, Eesti NSV Ministrite Nõukogu Riiklik Ehituse ja Arhitektuuri komitee, 1960, 92 p. [In Estonian]
- KASTAL'SKII, A. A., and D. M. MINTS. [Water treatment for drinking and for industrial uses] Podgotovka vody dlia pit'evogo i promyshlennogo vodosnabzheniya. Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 557 p.
- KATS, S. M. [Balance-type dynamometers for measuring torque] Balansnyye dinamometry dlia izmereniya vrashchayushchego momenta. Moskva, Gosenergoizdat, 1962, 142 p. (Biblioteka po avtomatike, no. 65)
- KAZAKOV, A. A. [Electric interlocking of switches and signaling systems] Elektricheskaya tsentralizatsiya strelkov i signalov. 4., perer. izd. Moskva, Transzheldorizdat, 1962, 315 p.
- KAZNACHEEV, A. A. [Electrification of farms in Ryazan Province] Elektrifikatsiya Riazanskogo sela, [Ryazan'] Riazanskoe knizhnoe izd-vo, 1961, 22 p.
- KHIMIKI, TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT MEKHANIZATSI I ENERGETIKI LESNOI PROMYSHLENNOSTI. [Technological processes in reconditioning (repairing) worn-out parts of the TDT-60 tractor] Tekhnologicheskie protsessy vosstanovleniya (remonta) iznoshennykh detalей traktora TDT-60. Moskva, Gosizdatizdat, 1962, 230 p.
- Pt. 1. [The D-6GT engine] Dvigatel' D-6GT. 1961, 230 p.
- KHOLIN, N. D., ed. [Hydraulic engineering machinery at rock, gravel and sand quarries for construction materials] Gidromekhanizatsiya na kar'erakh nerudnykh stroitel'nykh materialov. Moskva, Gosstroizdat, 1962, 143 p.
- KHUKHRIANSKII, P. N. [Using compressed wood in the manufacture of machine parts] Opyt primeneniya pressovannoi drevessiny dlia izgotovleniya detalей mashin. Moskva, Gos. nauchno-issl. in-t nauchn. i tekhn. informatsii, 1962, 94 p. (Peredovoi nauchno-tekhnicheskii i proizvoditel'nyi opyt)
- [MICROFILM]
- KLYKOV, E. V. [Braking of trains] Tormozhenie poezda. Moskva, Transzheldorizdat, 1962, 139 p.
- KOLCHIN, N. I., V. L. VEITS, and M. L. MITSSENGEN-DLER. [Fundamental information on gear transmissions and meshings] Osnovnye svedeniya o zubechatykh peredachakh i zatsopleniyakh. Pod obshchey red. N. I. Kolchina. Moskva, Mashgiz, 1962, 144 p. (Bibliotekha zuborezov, no. 1)
- KOLENKO, E. A. [Thermoelectric cooling devices] Termoelektricheskie ohlazhdayushchie pribory. Moskva, Izd-vo Akad. nauk SSSR, 1962, 190 p.
- KOLOTOILOV, I. N. [Vologda Locomotive and Railroad-Car Repair Plant] Vologodskii parovoza-vagonoremontnyi zavod. [Vologda] Vologodskoe knizhnoe izd-vo, 1961, 117 p. (Iz istorii fabrik i zavodov) (MI)
- KONOPLEV, B. N. [Production of motion pictures] Proizvodstvo kinofil'mov. Moskva, Izd-vo "Iskusstvo," 1962, 390 p.
- KOROLEV, K. M. [The mortar-mixer and mortar-pump operator] Mashinist rastvorosmesitelia i rastvoronasosa. Moskva, Proftekhizdat, 1962, 255 p.
- KOVALENKO, A. F., L. L. GORCHITSYNA, and G. A. ISKRAKOVA. [Effective ceramics made of easily fusible clays] Effektivnaya keramika iz legkoplavkikh glin, Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962, 47 p.
- KOZLOVSKII, A. S. [Handbook for the roofer carrying out the maintenance of a residential building] Pamiatka krovel'shchika, vypolniaushchego tekushchii remont zhilogo doma. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1961, 44 p.
- KOZLOVSKII, A. S. [Signal lamps and their maintenance] Signal'nye fonari i ukhod za nimi. Moskva, Transzheldorizdat, 1961, 50 p.
- KOZYREV, N. A. [Insulation of electrical machines and methods for testing it] Izolatsiya elektricheskikh mashin i metody ee ispytaniya. Moskva, Gosenergoizdat, 1962, 263 p.
- KRAKOVICH, A. A., and I. I. CHUDOK. [Handbook for the engineer making estimates for the design of residential and public buildings] Spravochnik inzhenera smetchika po proektirovaniyu zhilykh i grazhdanskikh zdaniy. Izd. 2., perer. i dop. Leningrad, Gosstroizdat, 1962, 251 p.
- KRASOVSKII, A. A., and G. S. POSPELOV. [Principles of automatic control and engineering cybernetics] Osnovy avtomatiki i tekhnicheskoi kibernetiki. Moskva, Gosenergoizdat, 1962, 599 p.
- KRYNETSKYI, I. I. [The ABC's of automatic control] Azbuka avtomatiki. Kyiv, Derzhizdatyudv URSR, 1962, 101 p. (Naukovo-populiarna biblioteka)
- KSENOFONTOVA, A. I., and others. [Guide for reducing dust formation by the preventive wetting of coal seams through holes in the walls, for workers in dust control in coal mines and planning organizations] Rukovodstvo dlia rabotnikov pylevydvizheniia sluzhby na ugol'nykh shakhtakh i proektnykh organizatsii po predvaritel'nomu uvlazhneniyu ugol'nykh plastov cherez shpury v lavakh s tsel'yu snizheniya pylebrazovaniya. Moskva, Mosk. gornyi in-t., 1961, 22 p.
- [MICROFILM]
- KULIEV, T. E., and F. D. VEZIROV. [Ways to increase labor productivity in industry] Senade emek mehsuldarlygyny lükseldimesi jollary. Baki, Azerneshr, 1961, 53 p. [In Azerbaijani]
- KULIKOVSKII, A. A. [Stability of active linearized networks with new types of amplifying devices] Ustoi-chivost' aktivnykh lineizovannykh tsapai s usilitel'nyimi priborami novykh tipov. Moskva, Gosenergoizdat, 1962, 191 p.
- KUZ'MICHEV, F. I., and M. I. LEVIN. [Manufacture of felt footwear and felt] Proizvodstvo vallanoi obuvi i vollokov. Moskva, Gosmestpromizdat, 1962, 277 p.
- KUZNETSOV, N. S., and N. N. ANISIMOV. [Drawing and mechanical drawing] Cherenie i risovanie. Moskva, Gosstroizdat, 1962, 314 p. illus.
- LAINER, V. I. [Purification of waste waters in metallurgy] Voprosy obezvrezhivaniya stochnykh vod v metallurgii. Moskva, Metallurgizdat, 1962, 65 p.
- LANDIA, N. A. [Computation of high-temperature heat capacities of solid inorganic substances by standard entropy] Raschet vysokotemperaturnykh teploemkostei tverdykh neorganicheskikh veshchestv po standartnoi entropii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962, 221 p.
- LANDIKHOV, A. D. [Production of nonferrous metal pipes, rods, and shapes] Proizvodstvo trub, prutkov i profilov iz tsvetnykh metallov. Izd. 2., perer. i dop. Moskva, Metallurgizdat, 1962, 390 p.
- LAVRINENKO, B. S. [Glass made in Saratov] Steklo saratovskoi marki. [Saratov] Saratovskoe knizhnoe izd-vo, 1962, 59 p.
- LENNINGRAD, VSESOUZNYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT GIDROTEKHNIKI. [The V. E. Vedenev All-Union Hydraulic Engineering Research Institute] Vsesouznyi nauchno-issledovatel'skii institut gidrotekhniki imeni V. E. Vedeneva. Moskva, Gos. energ. izd-vo, 1962, 41 p.
- [MICROFILM]
- LEPAEV, D. A., and N. I. A. SHTEKHMAN. [Use and repair of electric appliances at home] Eksploatatsiya i remont bytovykh elektropriborov v domashnikh usloviyakh. Moskva, Gosmestpromizdat, 1962, 94 p.
- LEVICHEV, V. G., I. A. V. STEPUP, and D. I. FOGEL'SON. [Principles of radio engineering and radar; radio transmitting and receiving devices] Osnovy radiotekhniki i radiolokatsii; radiopredatshchiki i radiopriemnye ustroystva. Moskva, Voenizdat, 1962, 494 p.
- LITVIN, F. L. [New types of cylindrical worm gears] Noveye vidy tsilindricheskikh chervichnykh peredach. Moskva, Mashgiz, 1962, 102 p.
- LOSKUTOV, F. M., and A. A. TSEIDLER. [Calculations on the metallurgy of heavy nonferrous metals] Raschet po metallurgii tiazhelykh tsvetnykh metallov. 2 izd., peresom. i dop. Moskva, Metallurgizdat, 1963, 591 p.
- LUK'ANOV, N. V. [Mechanization of the principal repair and building operations] Mekhanizatsiya osnovnykh remontno-stroitel'nykh rabot. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962, 141 p.
- LUKOVETSKII, A. Z. [Traffic regulations for the streets and roads of the U.S.S.R.] Pravila dvizheniya po ulitsam i dorogam Soiuza SSR; uchebnoe posobie. Tbilisi, Gos. izd-vo "Sachchota Sakartvelo," 1962, 163 p.

- LUKOVTSY, A. A. [Efficient methods for installing machines on a foundation] Ratsional'nye sposoby ustanovki mashin na fundament. Izd. 2. Moskva, Mashgiz, 1962. 53 p. (Biblioteka stesaria-montazhnika, no. 1)
- MAIZEL, L. M. [Methods for automatic counting of piece production] Metody avtomaticheskogo ucheta sbuchnoi produktii. Moskva, Gosenergizdat, 1962. 119 p. (Biblioteka po avtomatike, no. 63)
- MAKHNOVICH, A. T. [Workers' handbook on accident prevention when lubricating molds in the production of reinforced-concrete elements] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri smazke form pri proizvodstve zhelezobetonnykh izdelii. Moskva, Gosstroizdat, 1962. 19 p. (Tekhnika bezopasnosti v stroitel'stve)
- MALINOV, M. S., IU. A. KULIKOV, and E. B. CHERTOK. [Cooling systems of diesel locomotives] Okhlazhdat'shie ustroystva teplovozov. Moskva, Mashgiz, 1962. 256 p.
- MAL'KO, I. M. [Construction and care of gardens and parks] Sadovo-parkovoe stroitel'stvo i khozias'tvo. Izd. 3., ispr. i dop. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 199 p.
- MAMEDOV, B. N. [Painting and interior finish painting] Renkazylyg ve nakhyshtama. Baky, Azerneshr, 1962. 97 p. [In Azerbaijani]
- MATIYAKIN, G. I., V. D. PRIKHIN, and Z. A. PROKHOROVA. [Tree belts for snow protection] Snegozaashchitnye lesnye polosy. Moskva, Aviotransizdat, 1962. 77 p.
- MATVEEV, G. A., and V. I. KHOMICH. [Electric coils with ferrite cores] Katushki s ferritovymi serdetsnikami. Moskva, Gosenergizdat, 1962. 30 p. (Massovaya radiobiblioteka, no. 443)
- [MECHANICAL ENGINEER'S HANDBOOK IN SIX VOLUMES] Spravochnik mashinostroitel' v shesti tomakh. Red. sovet: N. S. Acherkhan i dr. Izd. 3., ispr. i dop. Moskva, Mashgiz. Vol. 4. Pod red. N. S. Acherkhan. 1962. 448 p. [MICROFILM]
- MEL'NIKOV, N. V., ed. [Foreign technique of open-pit mining] Tekhnika otkrytykh gornykh rabot za rubezhom. Moskva, Gosgortekhzdat, 1962. 379 p.
- MEL'NIKOV, O. D. [What are chromites, where and how to search for them] Chto takoe khromity, gde i kak ikh iskat'. Izd. 2. Moskva, Gosgortekhzdat, 1962. 25 p. (Biblioteka iskatelia poleznykh iskopayemykh)
- MEN'SHIKOV, N. S. [Technical sketching of machine parts] S'emka eskizov s detalei mashin. Moskva, Mashgiz, 1962. 123 p.
- MIASZDRIKOV, O. A., and V. E. MANOILOV. [Electrets] Elektrety. Moskva, Gosenergizdat, 1962. 97 p.
- MIKHAILOV, V. V. [Modern methods of manufacturing reinforced-concrete pressure pipes] Sovremennyye metody izgotovleniya napornykh zhelezobetonnykh trub. Moskva, Gosgortekhzdat, 1962. 63 p. [MICROFILM]
- MIKHEEV, A. P., IA. V. SHUKSTAL', and V. A. DMITRIYEV. [Efficiency of electric and diesel traction in railroad transportation] Effektivnost' elektricheskoi i teplovoznoi tiagi na zheleznodorozhnom transporte. Pod red. T. S. Khachaturova i A. P. Mikheeva. Moskva, Gosplanizdat, 1960. 302 p.
- MINSKER, E. I., and N. G. SOKOLOV. [Electric wiring of metal-cutting machine tools] Elektricheskie provodki metallorazhushchikh stankov. Moskva, Gosenergizdat, 1962. 63 p. (Biblioteka elektromontera, no. 70)
- MOROZOV, S. I., and L. E. SAVIN. [New types of pavements for forest roads] Novyye tipy pokrytiy avtomobil'nykh dorog v lesu. Moskva, Goslesbumizdat, 1962. 78 p. (Nastoiat'stvo vnedreniya peredovoi opyt v proizvodstvo)
- MOSCOW, GOSUDARSTVENNIY INSTITUT PO PROEKTIROVANIU AVTOREMONTNYKH I AVTOTRANSPORTNYKH PREDPRIATI. [Handbook for heads of survey teams] Spravochnoe posobie nachal'nikam izyskatel'nykh partii. Moskva, Avtotransizdat, 1962. 310 p.
- MOSCOW, TSENTRAL'NAIA NAUCHNO-TEKHNIЧЕСКАЯ БИБЛИОТЕКА ЛЕСНОИ И БУМАЖНОИ ПРОМЫШЛЕННОСТИ. [Manufacture of hardboard; bibliographical index of Soviet and foreign literature for the period from 1950 to 1959] Proizvodstvo drevnykh pilit; bibliograficheskiy ukazatel' otechestvennoi i inostrannoi literatury za 1950-1959 gg. Moskva, 1960. 157 p.
- MOSCOW, VSESOIUZNIY ZAOCHNIY INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. [Voltage regulation in electric power networks] Regulirovaniye napriazheniya v elektricheskikh silyakh; uchebnoe posobie po distsipline "Elektricheskie seti i energosistemy" dlia studentov VI kursa spetsial'nosti "Elektrifikatsiya zheleznodorozhnogo transporta." Moskva, 1962. 32 p. [MICROFILM]
- MOSHCHANSKIY, N. A. [Increasing the stability of building materials and elements under the conditions of corrosive atmospheres] Povysheniye stoikosti stroitel'nykh materialov i konstruktov, rabotayushchikh v usloviyakh agressivnykh sred. Moskva, Gosstroizdat, 1962. 234 p.
- MUKHINA, T. G. [Production of silicate brick] Proizvodstvo silikatnogo kirpicha. Moskva, Proftekhizdat, 1962. 130 p.
- MURASHKO, M. G., and others. [Cadastral survey of water-power resources of the White Russian S. S. R.; potential hydroelectric power resources] Vudno-energeticheskiy kadastr Belorusskoi SSR; potentsial'nye gidroenergoresursy. Minsk, Izd-vo Akad. nauk BSSR. Vol. 2. [Album of cadastral graphs] Albom kadastrykh grafikov. Pod red. T. L. Zolotareva. 1962. 217 p.
- MUSTAFAEV, S. M. [Use of plastics in the machinery industry] Plastik kutelerin mashynagalyrnada tethigi. Baky, Azerbaidzhan dovlet neshirlyaty, 1962. 137 p. [In Azerbaijani]
- NAUCHNO-PROIZVODSTVENNAIA KONFERENTSIYA "PROBLEMY POVYSHENIYA STOIKOSTI I SNIZHENIYA STOIMOSTI IZGOTOVLENNIA SHITAMPOV V KUZNECHNO-PRESSOVOM PROIZVODSTVE." Moskva, 1961. [Increasing the durability of dies] Problemy povysheniya stoikosti shitampov; materialy konferentsii. Moskva, Ob-vo po rasprostraneniya polit. i nauchn. znaniy RSFSR. Vol. 1-2. 1961. [MICROFILM]
- NAUCHNO-TEKHNIЧЕСКАЯ КОНФЕРЕНЦИЯ ПО ОБМЕНУ ОПЫТОМ КОНСТРУИРОВАНИЯ, ИЗГОТОВЛЕНИЯ И ЭКСПЛУАТАЦИИ ЭМАЛИРОВАННОЙ ХИМИЧЕСКОЙ АППАРАТУРЫ. Leningrad, 1957. [Enamelled chemical apparatus] Emalirovannaya khimicheskaya apparatura; materialy. Pod nauchnoi red. V. V. Vargina i V. M. T'smella. Moskva, Goskhimizdat, 1959. 162 p. [MICROFILM]
- NAUCHNOE SOVESHCANIE PO ARMOTSEMENTU I ARMOTSEMENTNYM KONSTRUKTSIAM. Leningrad, 1961. [Materials of the Scientific Conference on Mesh-Reinforced Concrete and Mesh-Reinforced Concrete Elements] Materialy. Moskva, Gosstroizdat, 1962. 266 p. [MICROFILM]
- [NEW DEVELOPMENTS IN THE FIELD OF CHEMICAL ANALYSIS IN SANITARY ENGINEERING] Novyye v oblasti sanitarno khimicheskogo analiza; raboty po promyshlennno-sanitarnoi khimii. Moskva, Medgiz, 1962. 263 p.
- NIKOLAEV, I. I. [Locomotive dynamics] Dinamika lokomotivov. Moskva, Transzheldorizdat, 1962. 318 p.
- NOVOZHILOV, M. G., V. G. SELIANIN, and A. E. TROP. [Deep open pits] Glubokie kar'ery. Moskva, Gosgortekhzdat, 1962. 275 p.
- OGANESIAN, L. N. [For a young solderer. Molodomu pain'shchiku. Erevan, Armuchpedgiz] 1961. 27 p. [In Armenian]
- ORLIN, A. S., and others. [Internal combustion engines] Dvigateli vnutrennego sgoraniya. Pod red. A. S. Orlina. Moskva, Mashgiz. Vol. 3. [Systems, regulation, automatic control] Sistemy. Regulirovaniye. Avtomatizatsiya. 1962. 307 p.
- ORLOV, P. M. [Course in geodesy] Kurs geodezii. Izd. 3., perer. Moskva, Bol'shoizdat, 1962. 393 p. (Uchebnyi i uchebnoye posobie dlia vysshikh i spetsial'no-khoziastvennykh uchebnykh zavodov)
- OSIPOV, K. A. [Certain activated processes in hard metals and alloys] Nekotorye aktiviruemyye protsessy v tverdykh metallakh i splavakh. Moskva, Izd-vo Akad. nauk SSSR, 1962. 130 p.
- [OUTSTANDING WORKERS IN THE MAINTENANCE AND OPERATION OF RAILROAD CARS] Oitchniki-vopromniki. Moskva, Transzheldorizdat, 1962. 110 p. (Zheleznodorozhnik-poredoviki sotsialisticheskogo sorevnovaniya)
- [PARAMETRETS. Translated from the English and Japanese] Parametry. Moskva, Izd-vo liter. it-ry, 1962. 331 p.
- PASHKOV, V. D. [Air-blowing equipment in metallurgical plants] Vozdukhoduvnoe khozias'tvo metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1962. 247 p.
- [PASSENGER TRAIN TIMETABLES; summer 1962] Ukazatel' zheleznodorozhnykh passazhirskikh soobshchenii; leto 1962 goda. Moskva, Transzheldorizdat, 1962. 605 p.
- PAVLOV, P. I. [Radiographer's handbook of safety technique] Pamiatka po tekhnike bezopasnosti dlia radiografa. Moskva, Gosatomizdat, 1962. 27 p.
- PAVLOVICH, N. V. [Manual on the thermal and physical properties of natural gases and their components] Spravochnik po teplofizicheskim svoystvam prirodnnykh gazov i ikh komponentov. Moskva, Gosenergizdat, 1962. 117 p.
- PETROSIAN, A. E., and I. V. SERGEEV. [Methodology of determining the gas concentration of workings in mining coal without men in the pits] Metodika opredeleniya gazoobit'nosti vyrabotok pri bezliudnoi vyemke uгля. Moskva, In-t gornogo dela im. A. A. Stokhinskogo, 1962. 30 p. [MICROFILM]
- PIATNOVA, I. I. [One hundred "jobs" of semiconductor] Sto professii poluprovodnikov. Moskva, Izd-vo "Znanie," 1962. 53 p. (Narodnyi universitet kul'tury. Tekhniko-ekonomicheskii fakul'tet, no. 12)
- PLAKSIN, I. N., and E. M. CHAPLYGINA. [Flotation of nonsulfide minerals using gases] Flotatsionnoe obogashcheniye nesul'fidnykh mineralov s primeneniem gazov. Moskva, Izd-vo Akad. nauk SSSR, 1962. 134 p.
- PLIUSNIN, A. K. [Organization of machine repair and equipment assembly at lumbering enterprises] Organizatsiya remonta mashin i montazhi oborudovaniya na lesozagotovitel'nykh predpriyatiakh. 2. Izd. Moskva, Goslesbumizdat, 1962. 409 p.
- POEL', V. I. [Handbook on accident prevention for the foreman of general construction work] Pamiatka po tekhnike bezopasnosti dlia mastera obshchestvennykh rabot. Moskva, Gosstroizdat, 1962. 61 p. (Tekhnika bezopasnosti v stroitel'stve)
- POEL', V. I. [Handbook on accident prevention for the paver in road work] Pamiatka po tekhnike bezopasnosti dlia mostovshchika na dorozhnykh rabotakh. Moskva, Gosstroizdat, 1962. 14 p. (Tekhnika bezopasnosti v stroitel'stve)
- POGORELOV, A. V. [Cylindrical shells at supercritical deformations] Tsilindricheskie obolochki pri zakriticheskikh deformatsiyakh. Khar'kov, Izd-vo Khar'kovskogo univ. Vol. 1. [Axial compression] Osevoe szhatie. 1962. 61 p. Vol. 2. [External pressure] Vneshnee dviatlenie. 1962. 60 p. Vol. 3. [Torsion] Krutchenie. 1962. 71 p.
- PONOMAREV, B. A. [Electric measurements] Elektricheskie izmereniya. Moskva, Gosenergizdat, 1962. 54 p. (Biblioteka elektromontera, no. 73)
- POPOV, V. V. [Construction of very simple sports facilities] Stroitel'stvo prosteyshikh sportivnykh sooruzhenii. Leningrad, Lenizdat, 1962. 102 p.
- POVOROZHENKO, V. V., M. D. SITNIK, and E. S. FURMAN. [Common carrier and freight forwarding services on railroads] Transportno-ekspeditatsionnoe obsluzhivaniye na zheleznykh dorogakh. Moskva, Transzheldorizdat, 1962. 146 p.
- POZHARSKII, A. E. [Principal problems of the standardization of public buildings and structures] Osnovnyye voprosy tipizatsii obshchestvennykh zdaniy i sooruzhenii; stenogramma lektsii. Moskva, Akad. stroit. i arkhitekt. SSSR, 1961. 63 p.
- [PROBLEMS OF ENERGY DISSIPATION IN THE VIBRATIONS OF ELASTIC SYSTEMS] Voprosy rasselaniya energii pri kolebaniyakh uprugikh sistem; trudy nauchno-tekhnicheskogo soveshchaniya. Pod red. G. S. Pisarenko, Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 223 p.

- PROKHOROV, F. N. [Electric traction and electric power supply of electric railroads] *Elektroingovoe khozlistvo i energosnabzhenie elektricheskikh zheleznichnykh dorog*, 2., perer. i dop. izd. Moskva, Transzheldorizdat, 1962, 134 p.
- PRONIN, M. V. [Prolonging the life of the 3D6 engine] *Udlinenie sroka sluzhby dvigatelya 3D6; opyt Kievskogo sudostroitel'no-sudoremontnogo zavoda*, Moskva, Izd-vo "Rechnoi transport", 1962, 62 p.
- PROTASOV, A. A. [Grooving of iron mill rolls; problems and exercises] *Kalibrovka prokatnykh valkov; zadachi i uprazhneniia*, Moskva, Metallurgizdat, 1963, 329 p.
- [PROTECTIVE CLOTHING AND WORK CLOTHES] *Spetsodezhda i prozodezhda*, Izd. ofitsial'nogo, Moskva, Standartgiz, (SSSR, Gosudarstvennye standarty) No. 1, 1962, 367 p.
- [MICROFILM]
- PROTOD'IAKONOV, M. M., and N. A. KUDRIA. [Quick method for determining the ultimate resistance to compression and the modulus of elasticity of rocks] *Ekspres-metod opredeleniia vremennoi soprotivleniia szhatiia i modulia uprugosti gornykh porod*, Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1962, 21 p.
- [MICROFILM]
- RABINOVICH, M. KH. [Strength and superstrength of metals] *Prochnost' i sverkhprochnost' metallov*, Moskva, Izd-vo Akad. nauk SSSR, 1963, 197 p. (Nauchno-populiarnaiia seriya)
- [RAILROAD LITERATURE OF THE U. S. S. R.; published in 1959] *Zheleznodorozhnaiia literatura SSSR, 1959*, Moskva, Transzheldorizdat, 1962, 386 p.
- RASKIN, N. M., Ivan Petrovich Kulibin, 1735-1818, Moskva, Izd-vo Akad. nauk SSSR, 1962, 205 p.
- RATMIROV, V. A., and B. A. IVOBOTENKO. [Pulse motors for automatic control systems] *Shagovye dvigateli dlia sistem avtomaticheskogo upravleniia*, Moskva, Gosenergoizdat, 1962, 125 p. (Biblioteka po avtomatike, no. 60)
- REMIKOV, K. S. [Procedure for establishing work norms] *Porядок normirovaniia truda*, [Moskva] Mosk. rabochii, 1962, 46 p. (Osnovy ekonomicheskikh znanii knizhnomu rabochemu)
- ROTBURD, A. S. [Innovators on the motorship "Nikopol"] *Novatoryi toplokhoda "Nikopol"*, Moskva, Izd-vo "Rechnoi transport", 1962, 32 p.
- ROZENFELD, V. E., I. P. ISAEV, and N. N. SIDOROV. [Electric traction] *Elektricheskii tuga*, Moskva, Transzheldorizdat, 1962, 346 p.
- RUBCHINSKII, Z. M., E. E. TASTEVEN, and A. P. SHIRIAEV. [Design, arrangement, and working principles of the rolling stock of multiple-unit trains] *Ustroistvo i rabota motorvagonnogo podvzhnogo sostava*, Moskva, Transzheldorizdat, 1962, 335 p.
- RUBTSOV, N. N., and others. [Foundryman's handbook; general information on foundry] *Spravochnik litsehnika; obshchie svedeniia po lit'iu*, [By] S. A. Alekseev i dr. Pod obshch. red. N. N. Rubtsova, Moskva, Mashgiz, 1962, 524 p.
- RUDIN, S. N. [Assembling devices] *Montazhnye prisoobleniia*, Izd. 2. Moskva, Mashgiz, 1962, 94 p. (Biblioteka slesaria-montazhnika, no. 8)
- RUDOL, B. L. [New life for glass] *Novaiia zhizn' stekla*, Moskva, Izd-vo "Znanie", 1963, 40 p. (Novoe v zhizni, nauka, tekhnika, IV Seriya: Tekhnika, no. 2)
- RUSSIA (1917- U. S. S. R.) *Upravlenie pishchevoi promyshlennosti*, [Technical specifications for making the new sparkling beverages with low-alcohol content and desert-type wines from corn must] *Tekhnicheskaiia dokumentatsiia po proizvodstvu novykh slaboalkogol'nykh igristykh napitkov i desertnogo vina iz kukuruznogo syr'ia*, [Moskva] Gosmestpromizdat, 1962, 33 p.
- RUSSIA (1923- U. S. S. R.) *Glavnoe upravlenie signalizatsii i svyazi*, [Safety regulations and instruction concerning the servicing and repair of Centralized Traffic Control and communication systems of railroads] *Pravila i instruktsiia po tekhnike bezopasnosti pri obsluzhivani i remonte ustroistv STsB i svyazi na zheleznodorozhnom transporte*, Moskva, Transzheldorizdat, 1962, 123 p.
- RUSSIA (1923- U. S. S. R.) *Gosudarstvennyi komitet po delam stroitel'stva*, [Construction specifications and regulations] *Stroitel'nye normy i pravila*, Moskva, Gosstroizdat, Pt. 1, Sec. V, ch. 9, [Ceramic materials and products (SNIP I-V, 9-62)] *Keramicheskie materialy i izdeliia*, (SNIP I-V, 9-62), 1962, 20 p. ch. 26, [Insulating and acoustic materials and products (SNIP I-V, 26-62)] *Topolizolatsionnye i akusticheskie materialy i izdeliia* (SNIP I-V, 26-62), 1962, 22 p. Pt. 2, Sec. A, ch. 8, [Natural lighting; design standards. (SNIP II-A, 8-62)] *Estestvennoe osveshchenie; normy proektirovaniia*, (SNIP II-A, 8-62), 1962, 12 p. Sec. B, ch. 2, [Foundations of buildings and structures on settling soil; design standards. (SNIP II-B, 2-62)] *Osnovaniia i fundamentey zdani i sooruzhenii na prosa-dochnykh gruntakh; normy proektirovaniia* (SNIP II-B, 2-62), 1962, 8 p. Sec. I, ch. 1, [River hydraulic engineering structures; principal design regulations (SNIP II-I, 1-62). *Gidrotekhnicheskie sooruzheniia rechnye; osnovnye polozenia proektirovaniia* (SNIP II-I, 1-62), 1962, 31 p.
- RUSSIA (1923- U. S. S. R.) *Gosudarstvennyi komitet po delam stroitel'stva*, [Instructions SN 175-61 for the use of vibrated brick slabs in the construction of buildings] *Ukazaniia po primeneniiu vibrokiprichnykh panelei v stroitel'stve zdani* (SN 175-61), Moskva, Gosstroizdat, 1961, 64 p.
- RUSSIA (1923- U. S. S. R.) *Gosudarstvennyi komitet po delam stroitel'stva*, [Program of an open competition for the development of standard plans for meat and poultry combines] *Programma otkrytogo konkursa na razrabotku tipovykh proektov miasokombinatov i pitseikombinala*, [Moskva] Pishchepromizdat, 1960, 15 p.
- RUSSIA (1923- U. S. S. R.) *Gosudarstvennyi komitet po delam stroitel'stva*, [Recommendations for controlling ice formation] *Rekomendatsii po bor'be s naleddami*, [Utr. Gos. komitetom Soveta Ministrov RSFSR po delam stroitel'stva 23 Iunia 1962 g.] Moskva, Gosstroizdat, 1962, 41 p.
- RUSSIA (1923- U. S. S. R.) *Gosudarstvennyi komitet po delam stroitel'stva*, [Standards SN 218-62 for the technical design of enterprises producing asbestos-cement elements] *Normy tekhnologicheskogo proektirovaniia predpriiitii po proizvodstvu asbestotsementnykh izdelii* (SN 218-62), Moskva, Gosstroizdat, 1962, 23 p.
- RUSSIA (1923- U. S. S. R.) *Gosudarstvennyi komitet po delam stroitel'stva*, [Standards SN 220-62 for the technical design of enterprises producing precast reinforced-concrete elements in multiple molds] *Normy tekhnologicheskogo proektirovaniia predpriiitii sbornykh zhelezobetonnykh izdelii s kassetnym sposobom proizvodstva* (SN 220-62), Moskva, Gosstroizdat, 1962, 14 p.
- RUSSIA (1923- U. S. S. R.) *Ministerstvo puti soobshcheniia*, [Rules for the factory repair of TE3 and TE7 series diesel locomotives] *Pravila zavodskogo remonta teplovozov serii TE3 i TE7*, Moskva, Transzheldorizdat, 1962, 369 p.
- RYZHOVA, N. A., and I. A. DVOIRINA. [Finishing of wood particle boards] *Odalka struzhechnykh plit*, Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatvalushcheli promyshl., 1962, 33 p. [MICROFILM]
- SAKIAN, S. S. [Agricultural machinery (design, theory, and calculations); machines for soil cultivation, seeding and planting, placement of fertilizers, control of pests and diseases of agricultural plants] *Sel'skokhoziaistvennyie mashiny (konstruktsiia, teoriia i raschet); mashiny dlia obrabotki pochvy, posava i posadki, vneseniia udobrenii, dlia bor'by s vrediteliami i bolezniami sel'skokhoziaistvennykh rastenii*, Moskva, Sel'khozizdat, 1962, 327 p. (Uchebniki i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
- SABANERVA, N. I. [Electrical engineering] *Elektrotehnika; sbornik tekstov dlia chteniia na angliiskom iazyke*, Moskva, Gosenergoizdat, 1961, 109 p. [Text in English, preface in Russian, and vocabulary]
- SÄNGER-BREDT, I. [Some properties of hydrogen and water as possible working fluids for rockets. Translated from the English and the German. Preface by V. A. Kirillin and A. E. Sheindlin] *Nekotorye svoystva vodoroda i vodianogo para - vozmozhnykh rabochikh tel raket*, Moskva, Izd-vo inostr. lit-ry, 1962, 98 p. (Nauchnye problemy raketnoi tekhniki)
- SALIKHOV, S. B., and L. A. SKIBA. [Economic effectiveness of the new technology in the wool industry] *Ekonomicheskaiia effektivnost' novoi tekhniki v sherstianoi promyshlennosti*, Moskva, Rostekhnizdat, 1962, 245 p.
- SAPOZHNIKOV, M. M. [Accident prevention during sanitary engineering work] *Tekhnika bezopasnosti pri proizvodstve sanitarno-tekhnicheskikh rabot*, Pod obshch. red. N. A. Smirnova, Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962, 33 p. (Biblioteka stroitelia po tekhnike bezopasnosti, no. 7)
- SARAFANOV, S. G., and others. [Electric welding equipment and automation of welding operations in the construction industry] *Elektrosvarochnoe oborudovanie i avtomatizatsiia svarochnykh rabot v stroitel'stve*, Pod red. S. G. Sarafanova, Leningrad, Gosstroizdat, 1962, 350 p.
- SCHOELLER, W. R., and A. R. POWELL. [The analysis of minerals and ores of the rarer elements. Translated from the English] *Analiz mineralov i rud redkikh elementov*, Pod obshch. red. I. U. N. Kripovich i N. P. Popova, Moskva, Gosgeotekhnizdat, 1962, 447 p.
- SHADRIN, V. N. [A magnetic tape recorder controls a milling machine] *Magnitofon upravliaet stankom*, Moskva, Gosenergoizdat, 1962, 46 p. (Massovaiia radiobiblioteka, no. 444)
- SHALAEV, V. V., and others. [Improving procedures and equipment in shape-rolling mills] *Soverasheniavanie tekhnologii i oborudovaniia v sortoprokatnom tsakho*, Sverdlovsk, Metallurgizdat, 1963, 163 p.
- SHCHAVELEV, A. F. [Geodesy] *Geodeziia*, Leningrad, Izd-vo "Rechnoi transport", 1962, 332 p.
- SHEIMAN, K. L. [Possibilities of a more efficient transportation of freight] *Perspektivy ratsionalizatsii perevozok gruzov*, Moskva, Transzheldorizdat, 1962, 145 p.
- SHEPSHELEVICH, V. I., and T. N. MEKHTEVA. [Use of plastics in the manufacture of furniture] *Primeneniie plastmass v proizvodstve mebeli*, Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatvalushcheli promyshl., 1962, 71 p. [MICROFILM]
- SHMAKOV, P. V., ed. [Theory and practice of color television] *Teoriia i praktika tsvetnogo televideniia*, Moskva, Sovetskoe radio, 1962, 661 p.
- SHVARTSBURD, B. I., and S. I. SHVARTSBURD. [Problems in mathematics for schools specializing in machine building.] *Zadachi po matematike dlia shkol s mashinostroitel'noi spetsializatsiei; posobie dlia uchitel' IX-XI klassov*, Moskva, Uchpedgiz, 1962, 93 p.
- SIMONIN, S. I. [Topographical engineering drawing] *Inzhenerno-topograficheskoe cherenie*, [n. p.] Geodezizdat, 1962, 121 p.
- SINIakovich, G. A. [Crustal salt; comments on the construction of Soligorsk] *Sol' zemli; ocherki o Soligorskoii stroike*, Minsk, 1962, 30 p. (Obshchestvo po rasprostraneniuiu politicheskikh i nauchnykh znanii Belorusskoi SSR, no. 24)
- SKRYNNIKOV, V. E. [Survey of designs of loading units (feeders) in pressure hydraulic conveying] *Obzor skhem zagruzochnykh ustroist (pitatel'ei) pri napornom gidrotransporte*, Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962, 31 p. (Seriia: "Tekhnologiya i ekonomika podzemnoi dobychi ugla") [MICROFILM]
- SLAVACHEVSKII, K. A. [Textbook for practical work in geodesy] *Posobie k prakticheskim zaniatiim po geodezii*, Moskva, Geodezizdat, 1962, 170 p.
- SLEZKINA, I. K. [Women's headdress] *Zhenskio golovnye ubory*, [Leningrad] Gosmestpromizdat, 1962, 104 p.
- SMIRNOV, S. A., and F. F. TERESHCHENKO, comps. [Regulated dischargers for switching large pulse currents in high-voltage systems] *Upravliaemye razriadniki dlia kommutatsii bol'shikh impul'snykh tokov v vysokovol'tnykh ustanovkakh; sbornik referatov, 1945-1961 gg.* Moskva, Gosatomizdat, 1962, 85 p.

- SMIRNOV, V.S. [From fir tree to newspaper] Ot elki do gazety. Moskva, Uchpedgiz, 1962. 57 p. (Politehnicheskaya biblioteka shkol'nika)
- SOBOLEV, G.G. [Developing plans for preventing accidents in coal mines] Opyt razrabotki planov likvidatsii avarii dlia ugol'nykh shakht. Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962. 62 p. (Tekhnika bezopasnosti i gornospasatel'noe delo)
- [MICROFILM]
- SOIUZ RABOCHIKH LESNOI, BUMAZHNOI I DEREVO-OBRABATYVAYUSHCHEI PROMYSHLENNOSTI SSSR. [Regulations on safety measures and industrial hygiene in the woodworking industry] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii v derevo-obrabatывayushchei promyshlennosti. Moskva, Goslesbumizdat, 1961. 138 p.
- SOLOMONOV, P.A. [Service life of modern airplanes] O tekhnicheskoi resurse sovremennykh samoletov. Moskva, Voenizdat, 1962. 46 p.
- SOVESHCANIE PO KHIMII I TEKHNOLOGII TSEMENTA, Moscow, 1961. [New developments in the chemistry and technology of cement] Novoe v khimii i tekhnologii tsementa; trudy. Moskva, Gosstroizdat, 1962. 295 p.
- STOLIAROV, I.U.S. [Automation and remote control in the work of young technologists] Avtomatika i telemehtanika v tvorchestve lunnykh tekhnikov. Moskva, Izd-vo DOSAAF, 1962. 105 p.
- STOSKOVA, N.N. [First metallurgical plants in Russia] Pervye metallurgicheskie zavody Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 104 p.
- STRAMOUS, M.F. [Selecting plastics for sliding bearings of construction machinery] Vybór plasticheskikh mass dlia podshpivok skol'zhenia stroitel'nykh mashin. Moskva, Mashgiz, 1962. 97 p.
- [MICROFILM]
- [STREETCARS, TROLLEY BUS AND MOTORBUS LINES, PASSENGER CAB AND TRUCK SERVICE; handbook of passenger traffic of the Leningrad City Transit] Tramvai, trolleibuss, avtobus, legkovye i gruzovye taksimotory; spravochnik passazhirskogo dvizhenia Leningradskogo gorodskogo transporta. Leningrad, "Lengospravka," 1950. 240 p.
- STROGANOV, A.I., A.K. PETROV, and B.F. ZVEREV. [Economy of magnesite in steel smelting] Ekonomika magnazitov v staleplavil'nom proizvodstve. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 41 p.
- SULAKVELIDZE, TAMARA. [Georgian cookery] Gruzinskie bluda. Tbilisi, Izd-vo M-va torgovli Gruzinskoi SSR, 1962. 382 p.
- [SURVEYING IN RAILROAD ENGINEERING] Geodeziya v zheleznodorozhnom dele; spravochnoe posobie. [By] Luluts, A.F. i dr. Moskva, Geogezizdat, 1962. 342 p.
- SVIREN, S.IA. [Electric power plants, substations, and power distribution networks] Elektricheskie stantsii, podstantsii i seti; posobie po kursovomu i diplomnomu proektirovaniu. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 307 p.
- SYROMIATNIKOV, I.A. [Electrification is well on its way; power transmission lines] Elektricheskoe v puti; lini elektropredachi. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika, no. 1)
- TANATAR, D.B. [Marine diesel engines; the theory of their operation] Sudovye dizeli; teoriya rabochego protsessa. Leningrad, Izd-vo "Morskoi transport," 1962. 305 p.
- TERENT'EV, S.N., and V.F. KARTAVYKH. [Triode S-band transmitters] Triodnye peredatchiki detalmetrovnykh voln. Kiev, Gosizdatkhoz, 1962. 345 p.
- TIFLIS, GRUZINSKII POLITEKHNIЧЕСКИЙ ИНСТИТУТ. [V.I. Lenin Technical Institute of Georgia] Gruzinskii politekhnicheskii institut imeni V.I. Lenina. Tbilisi, 1962. 112 p. [Parallel texts in Georgian and Russian]
- TINTMAN, N.I., and S.S. GUSEV. [Wire communications] Provodnaya svyaz'. Moskva, Svyaz'izdat, 1962. 200 p.
- TIULENEV, N.K. [Work organization in a brigade of communist labor] Organizatsiya raboty v brigade kommunisticheskogo truda. Moskva, Mashgiz, 1961. 16 p. (Biblioteka rabochego mashinostroitelia. Seriya: Peredovaya tekhnika - osnova kommunisticheskogo truda, no. 12)
- TOMAROV, M.M. [Safety measures in sheet-metal work] Tekhnika bezopasnosti pri kholodnoi shtampovke listovogo metalla. 2 izd., perer., i dop. Moskva, Oborongiz, 1962. 442 p.
- TOPALOV, L.I., A.B. SHAEVICH, and S.B. SHUBINA. [Spectrum analysis of ferroalloys] Spektral'nyi analiz ferrosplavov. Sverdlovsk, Metallurgizdat, 1962. 288 p.
- TRANZHELDORIZDAT, VSESOUZNOE IZDATEL'SKO-POLIGRAFICHESKOE OB'EDINENIE. [Catalog of literature on railway transportation available for purchase] Katalog literatury po zheleznodorozhnomu transportu, imetushchiesia v nalichii. Moskva, Transzheldorizdat, 1955. 331.
- [PHOTOCOPY]
- TROFIMOV, A.M. [Album of diagrams of metal-cutting machines] Albom skhem metallorazreshushchikh stankov. Moskva, Mashgiz.
- Pt. 2. [Milling, thread-cutting, planing, broach-grinding, dressing, gear-cutting machines and machine-assemblies] Frezernye, rez'bonareznye, strugal'nye, protiazimye shlifoval'nye, zatochnye, zubobrabatывayushchie, agregatnye stanki. 1962. 69 p.
- _____. [Description] (Opisanie). 252 p.
- TSAREV, N.I. [Pattern design of women's outer garments] Konstruirovaniye zhenskoi verkhnei odezhdy. Izd. 3., dop. i perer. Moskva, Rostekhzdat, 1962. 271 p.
- TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIЧЕСКОИ ИНФОРМАЦИИ ПИЩЕВОЙ ПРОМЫШЛЕННОСТИ. [Meat research in the U.S.S.R.] Issledovanie miasa v SShA. Moskva, 1962. 26 p. (Tekhnicheskaya informatsiya)
- [MICROFILM]
- TURKULETS, V.I., and N.P. UDALOV. [Photodiodes and phototubes] Fotodiody i fototuby. Moskva, Gosenergoizdat, 1962. 62 p. (Biblioteka po avtomatike, no. 64)
- [MICROFILM]
- USHERENKO, Z.I. [Manufacture of furniture with glued bent parts] Proizvodstvo mebeli iz gnuto-kleennykh detalей. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. lesnoi, bumazhnoi i derevo obrabatyvalushchei promyshl., 1962. 55 p.
- [MICROFILM]
- VARTANOV, G.L., V.V. VERNER, and V.M. SEREBRIKOV. [A manual for electricians and repairmen] Elektromonter-remontnik. Moskva, Proftekhizdat, 1962. 222 p.
- VASILEVSKAYA, N.I., and A.I. LEBEDZ'. [Reading and composing radiograms in English] Chtenie i sostavleniye radiogramov na angliiskom yazыke. Moskva, Izd-vo "Morskoi transport," 1962. 45 p.
- VIKHTER, I.A.I. [Manufacture of gypsum] Proizvodstvo gipsa. Moskva, Proftekhizdat, 1962. 245 p.
- VOLOTKOVSKII, S.A., and others. [Remote control and communications in mining] Rudnichnaya telemehtanika i svyaz'. [By] V.A. Bun'ko i dr. Moskva, Gosgortekhzdat, 1962. 268 p.
- VOROB'EV, I.A. [Tables for computing volumes of fill and excavation in intermediate and complete squares with 20 x 20 m. and 40 x 40 m. sides] Tablitsy podscheta ob'emov nasypei i vyemok v perekhodnykh i polnykh kvadratakh so storonami 20x20 m i 40x40 m. Moskva, Gosstroizdat, 1962. 167 p.
- VORONINA, L.D., A.D. BAGRINOVSKII, and V.S. NIKITIN. [Design of mine ventilation] Raschet rudnichnoi ventilatsii. Moskva, Gosgortekhzdat, 1962. 486 p.
- VSESOUZNAIA NAUCHNO-TEKHNIЧЕСКАЯ КОНФЕРЕНЦИЯ ПО ВОПРОСУ "PUTI SOVERSHENSTVOVANIA ORGANIZATSII PROIZVODSTVA I ULUCHSHENIYA KACHESTVA OBUVI." Sverdlovsk, 1961. [Recommendations of the All-Union Scientific and Technical Conference on the "Ways of Improving the production organization and quality of footwear"] Rekomendatsii. Moskva, 1962. 9 p.
- VSESOUZNOE OBSHCHESTVO IZOBRETEL'CEI I RATSIONALIZATOROV PRI UPRAVLENI "STAVROPOL'STROI." [Irrigation construction] Iz opyta irrigatsionnogo stroitel'stva. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1961. 19 p.
- [MICROFILM]
- VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT OKHRANY TRUDA. [Working principles, design, and calculation of the cooling chambers for thermal apparatus, dryers, and ripeners] Ustroistvo i raschet okhladitel'nykh kamer k termicheskim apparatam, sushilkam i zrel'nikam; v pomoshch' inzhenerno-tekhnicheskim rabotnikam predpriatii, proektnym organizatsiiam, SKB i zavodam tekstil'nogo mashinostroeniia. Ivanovo, 1962. 16 p.
- [MICROFILM]
- ZAK, P.S. [Double enveloping worm gears] Globoidnaya peredacha. Moskva, Mashgiz, 1962. 255 p.
- [MICROFILM]
- ZAKATOV, P.S., and others. [Geodesy] Geodeziya. [By] A.I. Butanov i dr. P5d obelcheli red. D. A. Slobodchikova. Moskva, Izd-vo geodez. lit-ry. Pt. 1. 1962. 315 p.
- ZALESSEKII, L.G. [Electric networks for the ER7 electric train] Elektricheskie skhemy elektropoezda ER7. Moskva, Transzheldorizdat, 1962. 53 p. (Biblioteka mashinista elektropoezda)
- ZEL'TSER, G.IA., and others. [The TG102 diesel locomotive] Teplovoz TG102. Moskva, Transzheldorizdat, 1962. 150 p.
- ZHDANOVA, N.V., and A.L. KHALIF. [Dehumidification of natural and casinghead gases] Osuшка prirodnykh i poputnykh gazov. Moskva, Gosoptekhzdat, 1962. 110 p.
- ZHEBIN, M.I. [Molder employed in manual molding] Formovshchik ruchnoi formovki. Moskva, Proftekhizdat, 1962. 294 p.
- ZHETVIN, N.P., and others. [Commercially pure iron] Tekhnicheski chistoe zhelezno. Moskva, Metallurgizdat, 1962. 108 p.
- ZHEVAGO, K.A. [High-speed diesel engines; design, assembly and operation] Dyzel'nykh dizeli; ustroistvo, montazh i ekspluatatsiya. Moskva, Mashgiz, 1962. 309 p.
- ZHIMERIN, D.G. [History of the electrification of the U.S.S.R.] Istoriya elektrifikatsii SSSR. Moskva, Sotssekgiz, 1962. 457 p.
- ZUBKOV, I.I., and A.K. UGRIMOV. [Traffic organization in railroad transportation] Organizatsiya dvizheniia na zheleznodorozhnom transporte. Izd. 2., perer. i dop. Moskva, Transzheldorizdat, 1962. 300 p.

17. MILITARY & NAVAL SCIENCES

- BACHURIN, A.P. [The diary of a political worker at the front] Frontovoye zapiski politrabotnika. Moskva, Voenizdat, 1962. 111 p.
- BARABANSCHIKOV, A.V. [Pedagogical basis for the training of members of the Soviet Armed Forces] Pedagogicheskie osnovy obucheniia sovetskikh voenov. Moskva, Voenizdat, 1962. 150 p.
- BEHAN, F.N. [Principles of the theory of ship construction] Osnovy teorii sudna. Leningrad, Izd-vo "Morskoi transport," 1962. 333 p.
- BORZUNOV, S.M. [The very essence of military service] O samom glavnom v sluzhbe soldatskoi. Moskva, Izd-vo DOSAAF, 1962. 138 p.
- [DANUBE RIVER AND SHIPPING ON THE DANUBE] Dunai i Dunaiskoe sudokhodstvo. [By] Iunkovich, V.V. i dr. Moskva, Izd-vo "Morskoi transport," 1962. 301 p.
- DENISOV, N.I. [New sonar type KhAG-400 with horizontal and vertical action] Novyi gidrolokator gorizontal'nogo i vertikal'nogo deistviia tipa KhAG-400. [Kalinigrad] Kaliningradskoe knizhnoe izd-vo, 1960. 21 p.
- [MICROFILM]
- DORMIDONTOV, V.K., and others. [Shipbuilding technology] Tekhnologiya sudostroeniia. Pod obelcheli red. V.K. Dormidontova. Leningrad, Sudpromgiz, 1962. 695 p.
- DRUZHININ, V.P. [Manual for a receiving and delivery clerk in sea harbors] Posobie dlia priemosdatchika morskogo porta. Moskva, Izd-vo "Morskoi transport," 1962. 87 p.
- [FAITHFUL TO DUTY, 1941-1961] Vernye delgu, 1941-1961. Nyack, N.Y., Izd-vo "Ob'edinenie i poka" Russkogo Korpusa, 1961. 85 p.

GOLOTA, G. F. [Ship carpenter] Sudovoi plotnik. Leningrad, Sudpromgiz, 1962. 247 p.

GONCHARENKO, M. N. [Missiles and the problem of antimissile missiles] Rakety i problema antiraket. Moskva, Izd-vo DOSAAF, 1962. 259 p.

KALACHNIKOV, A. V. [Honesty of a soldier] Chestnost' soldata. Moskva, Voenizdat, 1962. 79 p.

KARASEV, V. I. A. [Outstanding service makes a fine soldier] Otlichnoi sluzhboi krasiv soldat. Moskva, Voenizdat, 1962. 42 p.

KIRIN, I. D., and V. E. POLESCHUK. [Where officers were trained; a brief history of the **S. M. Kirov Caspian Naval College**] Kuznitsa ofitserских кадров; kratkaya istoriya Kaspiyskogo im. S. M. Kirova vysshego voenno-morskogo uchilishchna. Baku, Azerbaidzhanskoe gos. izd-vo, 1961. 163 p. (NNC)

KESINGER, H. A. [Nuclear weapons and foreign policy. Abridged translation from the English] IAdernoe oruzhie i vneshnaya politika. Pod red. i s vstup. stat'ei S. N. Krasin'skova. Moskva, Izd-vo inostr. lit-ry, 1969. 507 p. (Dlia nauchnykh i voennykh bibliotek) (NNC)

KUPRIANOV, D. F. [Theory of internal combustion marine engines] Teoriya sudovykh dvigatelo i vnutrennego sgoraniya. Izd. 2. Leningrad, Izd-vo "Rechnoi transport," 1962. 286 p.

LENINGRAD, TSENTRAL'NYI NAUCHNO-ISLEDOVATELSKII INSTITUT MORSKOGO FLOTA. [Guide to the control of a ship's seaworthiness by the ship's personnel and by means available on board] Rukovodstvo po nabludeniya za morekhodnost'yu sudna silami i sredstvami sudovogo sostava. Leningrad, Izd-vo "Morskoi transport," 1962. 22 p. [MICROFILM]

LEPESHKOV, S. I., and F. K. MEDVEDEV. [From the bottom of the sea] So dna moria. [Riga] Latvinskoe gos. izd-vo, 1962. 198 p.

MALINOVSKI, R. I. A. [Guard the peace vigilantly] Bditel'no stoiat' na strazhe mira. Moskva, Voenizdat, 1962. 68 p.

MARDENSKI, V. P. [Manufacture and repair of the fuel system equipment for marine diesel engines] Izgotovlenie i remont toplivnoi apparatury sudovykh dizelov. Leningrad, Izd-vo "Rechnoi transport," 1962. 173 p.

MOROZOV, K. V. [Wingless rockets] Beskrylye rakety. Moskva, Voenizdat, 1962. 77 p. (Raketnaya tekhnika)

PAVLOV, V. E., comp. [The Markov Division in battles and campaigns for Russia during the 1917-1920 war of liberation] Markovskiy v boiakh i pokhodakh za Rossiju v osvoboditel'noi voine 1917-1920 godov. Paris [Union des Combattants de la Division du General Markoff] Book 1. [Early history of the Volunteer Army; the first and second Kuban campaigns, 1917-1918] Zarozhdenie Dobrovol'cheskoi Armii; 1-y i 2-y Kubanskie pokhody, 1917-1918 g. 1962. 396 p.

PETRINA, N. P. [Marine pumps] Sudovye nasosy. Pod red. V. P. Gur'eva. Leningrad, Sudpromgiz, 1962. 376 p.

[PROBLEMS OF PARTY AND COMMUNIST YOUTH LEAGUE WORK IN THE SOVIET ARMY AND NAVY] Voprosy partinnoi i komсомольской raboty v Sovetskoi Armii i Voenno-Morskoi Flote; uchebnoe posobie dlia stuzhentelei odnogodichnogo oddeleniya vechernikh partinnykh shkol. Moskva, Voenizdat, 1962. 301 p.

RAKHMANOV, M. I., and A. M. ALESHIN. [German Federal Republic is a nest of imperialist espionage] FRG - гнездо империалистического шпионажа. Moskva, Sotsekgiz, 1962. 189 p.

TRIFONENKOV, P. I. [Basic laws governing the course and outcome of modern warfare] Ob osnovnykh zakonakh khoda i iskhoda sovremennoi volny. Moskva, Voenizdat, 1962. 118 p.

VISHNIAKOV, N. A. [Training artillery reconnaissance troops] Obucheniye artilleriiskikh razvedchikov. Moskva, Voenizdat, 1962. 64 p.

VOROB'EV, A. A. [The Communist Youth League and the training of sergeants] Komсомольская organizatsiya i vospitanie serzhantov. Moskva, Voen. izd-vo M-va oborony SSSR, 1955. 81 p. (Biblioteka komсомольского aktivista)

PART B--PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

1. GENERAL

a. SCHOLARLY JOURNALS

AKADEMIYA NAUK ARMIAKSKOI SSR, Eriyan. Izvestiya. Obshchestvennye nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S. S. R. Bulletin. Social Sciences]. Eriyan, no. 12, Dec. 1961; no. 12, Dec. 1962; no. 1, Jan. 1963.

AKADEMIYA NAUK GRUZINSKOI SSR, Tiflis. Soobshcheniya [ACADEMY OF SCIENCES OF THE GEORGIAN S. S. R. Reports]. Tiflis, vol. 30, no. 1, 1963. [In Georgian]

AKADEMIYA NAUK MOLDAVSKOI SSR. Izvestiya [ACADEMY OF SCIENCES OF THE MOLDAVIAN S. S. R. Bulletin]. Kishinev, no. 9, 1963.

AKADEMIYA NAUK SSSR. Vestnik [ACADEMY OF SCIENCES OF THE U. S. S. R. Journal]. Moscow, vol. 33, no. 1, Jan. 1963.

AKADEMIYA NAUK SSSR. Karelskii filial, Petrozavodsk. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Karelian Branch. Transactions]. Petrozavodsk, no. 34, 1962.

AKADEMIYA NAVUK BSSR, Minsk. Vestsi. Seriya hramatskikh navuk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S. S. R. Bulletin. Series in the Social Sciences]. Minsk, no. 4, 1962.

EESTI NSV TEADUSTE AKADEEMIA. Toimetised. Füüsikalise-matemaatiliste ja tehniliste teaduste alal. Izvestiya Akademii nauk Estonskoi SSR. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE ESTONIAN S. S. R. Bulletin. Series in the Physical, Mathematical, and Technical Sciences]. Tallinn, vol. 11, no. 4, 1962.

GORKIY, UNIVERSITET. Uchenye zapiski [UNIVERSITY. Studies]. No. 54, 1961.

KUYBYSHEV, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. No. 37, 1962.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Vestis. Izvestiya Akademii nauk Latvijas SSR [ACADEMY OF SCIENCES OF THE LATVIAN S. S. R. Bulletin]. Riga, no. 4(165), 1961; nos. 8(181), 10(183), 1962.

LENINGRAD, UNIVERSITET. Vestnik [UNIVERSITY. Review]. Vol. 17, no. 20, 1962. Seriya istorii, iazyka i literatury [Series in History, Language, and Literature], no. 4. Vol. 18, no. 1, 1963. Seriya matematiki, mekhaniki i astronomii [Series in Mathematics, Mechanics, and Astronomy], no. 1.

LYSTY DO PRIYATELIV. LETTERS TO FRIENDS. Newark, N. J., vol. 11, no. 1/2(119-120), 1963.

MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE. Studies]. Vol. 184, 1961. Kafedra politicheskoi ekonomii [Department of Economics].

OBSHCHESTVENNYE NAUKI V UZBEKISTANE [SOCIAL SCIENCES IN UZBEKISTAN]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S. S. R.]. Tashkent, vol. 6, no. 11, 1962.

OREKHOVO-ZUYEVO, PEDAGOGICHESKII INSTITUT. Uchenye zapiski [PEDAGOGICAL INSTITUTE. Studies]. Moscow, vol. 12, 1959. Kafedra istorii KPSS i filosofii [Department of the History of the Communist Party of the Soviet Union and Philosophy], no. 2.

ROVNO, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. Vol. 8, 1961.

SARATOV, UNIVERSITET. Uchenye zapiski [UNIVERSITY. Studies]. Vol. 65, 1959.

SOVREMENNAYA KITAIKAYA LITERATURA PO OBSHCHESTVENNYM NAUKAM; referativnyi sbornik [CONTEMPORARY CHINESE LITERATURE ON THE SOCIAL SCIENCES; Journal of Abstracts]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 49, 1962.

TIIRASPOL, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. Kishinev, no. 9, 1960.

VOVGOGRAD, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. No. 11, 1959.

VORONEZH, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Izvestiya [STATE PEDAGOGICAL INSTITUTE. Bulletin]. Vol. 31, 1960.

b. POPULAR MAGAZINES

AMERIKA; ilustrirovannyi zhurnal [AMERICA ILLUSTRATED]. Published by the United States Information Agency. Washington, D. C., nos. 76-77, 1963.

AZIYA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY]. Issued by Institut narodov Azii i Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 1, 1963.

BARVINKO [PERIWINKLE]. Issued by Tsentral'nyi komitet Lenins'kogo komunisticheskogo soluzha molodi Ukrainy and Respublikansk'ka rada Vsesoluznoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, no. 1, Jan. 1963.

BELARUSKAYA MOLADZ'. BYELORUSSIAN YOUTH. Issued by Zgurtavan'ne belaruskas moladzi u Ameriky [White Russian Youth Association of America]. New York, vol. 4, no. 18, Oct.-Dec. 1962.

BIAROZKA [THE LITTLE BIRCH]. Issued by Tsentral'nyi komitet Lenins'kogo komunisticheskogo soluzha molodi Belarusi and Respublikanski Savet pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers]. Minsk, vol. 39, no. 1, Jan. 1963.

BILIM ZHENÉ ENBEK [SCIENCE AND WORK]. Issued by Central Committee of the Lenin Communist Youth League of Kazakhstan and the Republic Council of Lenin Pioneers. Alma-Ata, nos. 9(33), 11(35)-12(36), Sep., Nov.-Dec. 1962. [In Kazakh]

EKRAN [SCREEN]; Ukrainian Magazine for Youth and Adults. Chicago, vol. 2, no. 2, May-Aug. 1962.

KAPKAN; chuvashskii satiricheskii zhurnal [TRAP; Chuvash Satirical Magazine]. Choboksary, vol. 23, no. 1(418), Jan. 1963. [In Chuvash]

KHOPUSHTAK [HEDGEHOG]. Dushanbe, no. 1(110), Jan. 1963. [In Tajik]

KIRPI [HEDGEHOG]. Baku, no. 2(254), Jan. 1963. [In Azerbaijani]

KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Publishing House for Literature in Foreign Languages]. Peking, no. 1, 1963.

KOREIA [KOREA]. Pyongyang, no. 12(77), 1962.

KOSTER [CAMP FIRE]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzha molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, no. 12, Dec. 1962; no. 1, Jan. 1963.

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol. 41, no. 2(1080), Jan. 1963.

KULTUR JA ELU [CULTURE AND LIFE]. Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametiühingute Nõukogu [Ministry of Culture of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.]. Tallinn, vol. 6, no. 2, Feb. 1963. [In Estonian]

MURZILKA. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzha molodezhi and Tsentral'nyi soviet Vsesoluznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V. I. Lenin All-Union Pioneer Organization]. Moscow, no. 12, Dec. 1962; no. 1, Jan. 1963.

MUSHTUM [PUNCH]. Tashkent, vol. 41, no. 2(044), Jan. 1963. [In Uzbek]

NOVOSTI KOREI [NEWS OF KOREA]. Issued by Tsentral'noe telegrafnoe agentstvo Korei [Central Telegraph Agency of Korea]. Pyongyang, vol. 5, nos. 31-32, Nov. 1962.

OGONEK [THE LITTLE LIGHT]. Moscow, vol. 40, no. 37(1839), Sep. 1962.

OTVETY NA VOPROSY TRUDIASHCHIKHSIA [REPLIES TO WORKERS' QUESTIONS]. Moscow, nos. 4(137), 8(141)-9(142), Apr., Aug.-Sep. 1962.

OVYD. HORIZON. Published by Mykola Donysluk Publishing Co. Chicago, vol. 13, no. 4(123), Oct.-Dec. 1962.

PERETS' [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol. 23, nos. 1 (402)-3(404), Jan.-Feb. 1963.

PIONER [PIONEER]. Eriyan, no. 1, Jan. 1963. [In Armenian]

PIONER [PIONEER]. Issued by the Central Committee of the Turkmenistan Communist Youth League of Lenin. Ashkhabad, no. 1, Jan. 1963. [In Turkmen]

PIONERIA [PIONEERS]. Issued by Tsentral'nyi komitet Lenins'kogo komunisticheskogo soluzha molodi Ukrainy and Respublikanski Rada Vsesoluznoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol. 40, no. 1(470), Jan. 1963.

POL'SHA [POLAND]. Warsaw, no. 1(101), 1963.

RADOCHIE-KREST'YANSKII KORRESPONDENT [WORKERS' AND PEASANTS' CORRESPONDENT]. Published by Izd-vo [Publishing House] "Pravda." Moscow, nos. 1-2, Jan.-Feb. 1963.

RODNYE DALI [BELOVED VISTAS]. Hollywood, Calif., vol. 9, no. 108, Jan. 1963.

SAMOSTIINA UKRAINA. INDEPENDENT UKRAINE. Published by Tsentral'na uprava Organizatsii dorozhnoho vidrodzhennia Ukrainy [Central Administration of the Organization for the Rebirth of Ukraine]. Chicago, vol. 7, no. 12(106), Dec. 1962.

SEL'SKAYA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 30, no. 1, Jan. 1963.

SHMEL' [BUMBLEBEE]. Alma-Ata, vol. 7, no. 1(84), Jan. 1963. [In Kazakh]

SOGLASIE [CONCORD]. Los Angeles, Calif., no. 136, Jan. 1963.

SVYTURYS [THE LIGHTHOUSE]. Vilnius, vol. 16, no. 2 (338), Jan. 1963. [In Lithuanian]

UKRAINS'KE TOVARYSTVO DRUZHBY I KUL'TURNOMU ZV'IAZKU Z ZARUBIZHNYMY KRANAMY. Po radjans'kii Ukraini; fotokhronika [UKRAINIAN SOCIETY FOR FRIENDSHIP AND CULTURE RELATIONS WITH FOREIGN COUNTRIES. Through Soviet Ukraine; Photo Report]. Kiev, no. 12, 1962.

V'ETNAM [VIETNAM]. Hanoi, Vietnam, no. 1(64), 1963.

VOZHYK [HEDGEHOG]. Minsk, vol. 23, no. 2(552), Jan. 1963.

2. BIBLIOGRAPHY

a. BIBLIOGRAPHY

AKADEMIA NAUK GRUZINSKOI SSR, Tiflis. Institut rukopisel. Izvestia [ACADEMY OF SCIENCES OF THE GEORGIAN S. S. R. Institute of Manuscripts. Bulletin]. Tiflis, vol. 3, 1961. [In Georgian with summaries in Russian.]

AKADEMIA NAUK SSSR. Biblioteka. Noye inostrannye knigi, postupivshie v sistemu biblioteki [ACADEMY OF SCIENCES OF THE U. S. S. R. Library. New Foreign Books Received by the Library System]. Moscow, no. 12(127), 1962.

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIH SPEKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVetskogo Soiuza [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaya biblioteka SSSR [State Library of the U. S. S. R.]. Moscow, vol. 7, no. 3, Feb. 1963.

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, nos. 2, 4-6, 1963.

— Dopolnitel'nyi vypusk [Supplementary Issue], no. 12, 1962. Ukazatel' soriinykh izdaniy za 1962 [Series Index for 1962]

LETOPI'S GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES] Issued by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, no. 1, 1963.

LETOPI'S RETSENZII [CHRONICLE OF REVIEWS]. Published by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, no. 1, 1963.

LETOPI'S ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, nos. 3-8, 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 1: Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books. Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological, and Geographical Sciences; Technology and Technological Sciences]. Vol. 6, nos. 3, 5-6, Jan.-Feb. 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 2: Biologicheskie, meditsinskie i sel'skokhoziaistvennye nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books. Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]. Vol. 6, nos. 3-5, Jan.-Feb. 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 3: Obshchestvennye nauki, khudozhestvennaya literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books. Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]. Vol. 6, nos. 3-6, Jan.-Feb. 1963.

NOVAIA LITERATURA PO NAUKE I NAUCHNO-ISLEDVATELSKOI RABOTE ZA RUBEZHOM [NEW LITERATURE ON SCIENCE AND RESEARCH ABROAD]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 9-10, 1962.

NOVAIA LITERATURA PO BOLGARI [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 4, 9/10-11, 1962.

NOVAIA LITERATURA PO CHEKHOSLOVAKII [NEW LITERATURE ON CZECHOSLOVAKIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 8/9-10, 1962.

NOVAIA LITERATURA PO GERMANSKOI DEMOKRATICHESKOI RESPUBLIKE [NEW LITERATURE ON THE GERMAN DEMOCRATIC REPUBLIC]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 5/6-7, 1962.

NOVAIA LITERATURA PO YUGOSLAVII [NEW LITERATURE ON YUGOSLAVIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, 1962.

NOVAIA LITERATURA PO POL'SHE [NEW LITERATURE ON POLAND]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 10-11, 1962.

NOVAIA LITERATURA PO RUMYNII [NEW LITERATURE ON RUMANIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 10-11, 1962.

NOVAIA LITERATURA PO VENGRII [NEW LITERATURE ON HUNGARY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the U. S. S. R.]. Moscow, nos. 10-11, 1962.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO STRANAM ZARUBEZHNOGO VOSTOKA [NEW SOVIET AND FOREIGN LITERATURE ON THE COUNTRIES OF THE NON-SOVIET EAST]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 3, 9-10, 1962.

NOVAIA SOVETSKAIA LITERATURA O NAUKE I NAUCHNO-ISLEDVATELSKOI RABOTE V SSSR [NEW SOVIET LITERATURE ON SCIENCE AND GENERAL RESEARCH IN THE U. S. S. R.]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, 1962.

NOVYE KNIGI [NEW BOOKS]. Issued by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, nos. 3-5, Jan. 1963.

SOVETSKAIA BIBLIOGRAFIYA [SOVIET BIBLIOGRAPHY]. Issued by Vsesoiuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, no. 6(76), 1962.

SVODNYI BULLETEN' NOVIKH INOSTRANNYKH KNIG, POSTUPIVSHIKH V BIBLIOTEKI SSSR. Seriya A: Estestvennye nauki, meditsina, sel'skoe khoziaistvo, tekhnika [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U. S. S. R. Series A: Natural Sciences, Medicine, Agriculture, Technology]. Moscow, no. 5(60), 1962.

V MIRE KNIG [IN THE WORLD OF BOOKS]. Organ of Ministerstva kul'tury SSSR i RSFSR [Ministries of Culture of the U. S. S. R. and the R. S. F. S. R.]. Moscow, vol. 2, nos. 11-12, Nov.-Dec. 1962; vol. 3, no. 1, Jan. 1963.

VSESOUZNAIA KNIZHNAIA PALATA. Bibliografiya sovetskoi bibliografi, 1960-1961 [ALL-UNION BOOK CHAMBER. Bibliography of Soviet Bibliography]. Moscow, 1962.

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstva kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.]. Moscow, no. 1, Jan. 1963.

MOSCOW. VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Opyt raboty bibliotek s inostrannoi literaturoi [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Library Practices in Working With Foreign Materials]. Moscow, no. 3, 1960.

c. PRINTING & THE BOOK TRADE

SOVETSKAIA KNIZHNAIA TORGOVIA [SOVIET BOOK TRADE]. Organ of Ministerstva kul'tury SSSR and Tsentral'nyi soluz potrebitel'skikh obshchestv SSSR [Ministry of Culture of the U. S. S. R. and the Central Union of Consumers Societies of the U. S. S. R.]. Moscow, vol. 14, nos. 10, 12, 1962; vol. 14, no. 1, Jan. 1963.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

NOVAIA INOSTRANNAIA LITERATURA PO FILOSOFII [NEW FOREIGN LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 3, 9-10, 1962.

NOVAIA SOVETSKAIA LITERATURA PO FILOSOFII [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 10-11, 1962.

VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U. S. S. R.]. Moscow, vol. 17, no. 1, 1963.

*VOPROSY PSIKHOLOGII [PROBLEMS OF PSYCHOLOGY]. Issued by Akademiya pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, vol. 8, no. 4, July-Aug. 1962.

b. RELIGION

BEL'YI LOTOS [WHITE LOTUS]. Burbank, Calif., no. 7, 1962.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO VOPROSAM RELIGII I ATEIZMA [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF RELIGION AND ATHEISM]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 11, 1962.

ORTHODOX EASTERN CHURCH, RUSSIAN. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]. Moscow, no. 11, Nov. 1962.

RUSSKO-AMERIKANSKII PRAVOSLAVNYI VESTNIK. THE RUSSIAN AMERICAN ORTHODOX MESSENGER. Organ of Mitropolichii okrug Russkoi Pravoslavnoi Tserkvi v Amerike [Metropolitanate of the Russian Orthodox Church in America]. New York, vol. 50, no. 1, Jan. 1963.

4. HISTORY

a. GENERAL

AKADEMIA NAUK ARMIAANSKOI SSR, Eri van. Istoriko-filologicheskii zhurnal [ACADEMY OF SCIENCES OF THE ARMENIAN S. S. R. Historical and Philological Review]. Eri van, no. 4(19), 1962.

ISTORICHESKII ARKHIV [HISTORICAL ARCHIVES]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U. S. S. R.]. Moscow, vol. 8, no. 5, Sep.-Oct. 1962.

KALENDAR' ZNAMENATEL'NYKH I PAMIATNYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaya Rossiya" and Gosudarstvennaya publikhnaia istoricheskaya biblioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the R. S. F. S. R.]. Moscow, vol. 8, no. 1, Jan. 1963.

MATERIALY PO ISTORII GRUZII I KAVKAZA [MATERIALS ON THE HISTORY OF GEORGIA AND THE CAUCASUS]. Issued by Akademiya nauk Gruzinskoi SSR [Academy of Sciences of the Georgian S. S. R.]. Tiflis, no. 34, 1962. [In Georgian]

MOSCOW. NAUCHNO-ISLEDVATELSKII INSTITUT MUZEEVEDENIA. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF MUSEUM ORGANIZATION. Transactions]. No. 7, 1962.

MOSCOW. UNIVERSITET. Vestnik. Seriya 9: Istorika [UNIVERSITY. Review. Series 9: History]. Vol. 18, no. 1, Jan.-Feb. 1963.

NOVAIA INOSTRANNAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI (NEW FOREIGN LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY). Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 10-11, 1962.

VOPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdeleniye Istoricheskikh nauk Akademii nauk SSSR [Department of History of the Academy of Sciences of the U. S. S. R.]. Moscow, vol. 38, no. 1, Jan. 1963.

b. ARCHAEOLOGY & ANTIQUITIES

AKADEMIIA NAUK SSSR. Institut arkhologii. Kratkie soobshcheniya o dokladakh i polevykh issledovaniyakh [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]. Moscow, nos. 89, 91, 1962.

MATERIALY I ISSLEDOVANIYA PO ARKHEOLOGII SSSR [MATERIALS AND RESEARCH IN THE ARCHAEOLOGY OF THE U. S. S. R.]. Issued by Institut arkhologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 111, 1962. Trudy Kulbyshevskoi arkhologicheskoi ekspeditsii [Transactions of the Kuybyshev Archaeological Expedition], vol. 4.

5. SOCIAL SCIENCES

a. COMMERCE

BUKHGALTERSKII UCHET [ACCOUNTING]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U. S. S. R.]. Moscow, vol. 19, no. 12, Dec. 1962.

SOVETSKAIA TORGOVLIA [SOVIET COMMERCE]. Issued by Ministerstvo torgovli RSFSR [Ministry of Commerce of the R. S. F. S. R.]. Moscow, vol. 36, nos. 11-12, Nov.-Dec. 1962.

TORGOVLIA ZA RUBEZHOM; organizatsiya, novye metody, tekhnika torgovli i massovogo pitanija [TRADE ABROAD; Organization, New Methods, and Equipment of Trade and Public Food Service]. Moscow, no. 2, 1963.

b. ECONOMICS

EKONOMIKA RADIANS'KOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Institut ekonomiki Akademii nauk URSS [Institute of Economics of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, no. 6, Nov.-Dec. 1962.

EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 33, no. 12, Dec. 1962; vol. 34, no. 1, Jan. 1963.

EKONOMIKA SOVETSKOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Gosplan Soveta Ministrov Ukrainy SSSR and Institut ekonomiki Akademii nauk URSS [State Planning Commission of the Council of Ministers of the Ukrainian S. S. R. and the Institute of Economics of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, no. 6, Nov.-Dec. 1962.

EKONOMIKA STROITEL'STVA [ECONOMICS OF CONSTRUCTION]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U. S. S. R. for Construction]. Moscow, no. 1, Jan. 1963.

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S. S. R.] and others. Vilnius, no. 1(61), Jan. 1963. [In Lithuanian]

NARODNOE KHOZIAISTVO ARMENII [THE NATIONAL ECONOMY OF ARMENIA]. Issued by Gosplan Soveta Ministrov Armianskoi SSR [State Planning Commission of the Council of Ministers of the Armenian S. S. R.]. Eriyan, no. 1, 1963. [In Armenian]

NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN]. Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S. S. R.]. Alma-Ata, vol. 20, no. 10, Oct. 1962.

NARODNOE KHOZIAISTVO UZBEKISTANA [THE NATIONAL ECONOMY OF UZBEKISTAN]. Issued by Gosudarstvennaya planovaya komissiya Soveta Ministrov Uzbekskoi SSR [State Planning Commission of the Council of Ministers of the Uzbek S. S. R.]. Tashkent, vol. 4, no. 11, Nov. 1962.

NOVAIA INOSTRANNAIA EKONOMICHESKAIA LITERATURA [NEW FOREIGN ECONOMIC LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 9-10, 1962.

NOVAIA SOVETSKAIA EKONOMICHESKAIA LITERATURA [NEW SOVIET ECONOMIC LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 31-35, 1962.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY]. Issued by Gosplan SSSR and Gosplan SSSR [State Economic Council of the U. S. S. R. and the State Planning Commission of the U. S. S. R.]. Moscow, vol. 39, no. 12, Dec. 1962; vol. 40, nos. 1-2, Jan.-Feb. 1963.

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 1, Jan. 1963. Predmetnyi ukazatel' za 1961 g. [Subject Index for 1961]

SOVETSKAIA POTREBITEL'SKAIA KOOPERATSIYA [SOVIET CONSUMER COOPERATION]. Issued by Tsentral'nyi sovet potrebiteiskikh obshchestv SSSR [Central Union of Consumers Societies of the U. S. S. R.]. Moscow, vol. 6, nos. 11-12, Nov.-Dec. 1962.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 19, no. 5, May 1962.

VESTNIK STATISTIKI [STATISTICAL REVIEW]. Organ of Tsentral'noe statisticheskoe upravleniye SSSR [Central Statistical Administration of the U. S. S. R.]. Moscow, no. 12, 1962.

VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS]. Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1962.

VOPROSY EKONOMIKI PROMYSHLENNOSTI KIRGIZII [PROBLEMS IN THE ECONOMICS OF THE INDUSTRY OF KIRGHIZIA]. Issued by Institut ekonomiki Akademii nauk Kirgizskoi SSR [Institute of Economics of the Academy of Sciences of the Kirghiz S. S. R.]. Frunze, no. 2, 1961.

c. FINANCE

DEN'GI I KREDIT [MONEY AND CREDIT]. Published by Gosudarstvennyi bank SSSR [U. S. S. R. State Bank]. Moscow, vol. 20, nos. 11-12, Nov.-Dec. 1962.

FINANSY SSSR [FINANCE OF THE U. S. S. R.]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U. S. S. R.]. Moscow, vol. 23, no. 12, Dec. 1962.

d. LABOR

BIULLETEN' NAUCHNOI INFORMATSI: TRUD I ZARABOTNAIA PLATA [BULLETIN OF SCIENTIFIC INFORMATION: LABOR AND WAGES]. Issued by Nauchno-issledovatel'skii institut truda Gosudarstvennogo komiteta Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy [Labor Scientific Research Institute of the State Committee of the Council of Ministers of the U. S. S. R. for Labor and Wages]. Moscow, vol. 5, no. 4, 1962.

OKHRANA TRUDA I SOTSIAL'NOE STRAKHOVANIE [PROTECTION OF LABOR AND SOCIAL INSURANCE]. Issued by Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 6, no. 1, Jan. 1963.

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by Tsentral'nyi komitet Komunisticheskoi Partii Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol. 38, nos. 5, 12, May, Dec. 1962.

SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy [State Committee of the Council of Ministers of the U. S. S. R. on Labor and Wage Problems]. Moscow, vol. 7, no. 4, Apr. 1962.

SOVETSKIE PROFSOJUZY [SOVIET TRADE UNIONS]. Issued by Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 18, no. 24(268), Dec. 1962; vol. 19, no. 1(269), Jan. 1963.

VSEMIROE PROFSOJUZNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT]. Organ of Vsemirovaya federatsiya profsoluzov [World Federation of Trade Unions]. Moscow, no. 12, Dec. 1962.

e. SOCIOLOGY

AZERBAICHAN GADYNY [AZERBAIJAN WOMAN]. Issued by Tsentral'nyi komitet Komunisticheskoi Partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 1, Jan. 1963. [In Azerbaijani]

KAZAKHSTAN EILDERI [KAZAKHSTAN WOMAN]. Alma-Ata, no. 1, Jan. 1963. [In Kazakh]

KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzu molodezhi [Central committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 14, 18-23, July, Sep.-Dec. 1962.

KYRGYZSTAN AIALDARY [KIRGHIZISTAN WOMAN]. Frunze, vol. 12, no. 12(104), Dec. 1962; vol. 13, no. 1(105), Jan. 1963. [In Kirghiz]

NASHE ZHYTTIA. OUR LIFE. Issued by Soluz ukrainok Ameryky [Ukrainian National Women's League of America, Inc.]. Philadelphia, vol. 10, no. 10, Nov. 1962.

NOUKOGUDE NAINI [SOVIET WOMAN]. Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, no. 1, 1963. [In Estonian]

RADIANS'KA ZHINKA [SOVIET WOMAN]. Issued by Ukraina'ska respublikans'ka rada professiinykh splokh and Spilka radians'kykh pysemonnyky Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol. 18, no. 1(205), Jan. 1963.

SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY]. Issued by Ministerstvo sotsial'nogo obespecheniya RSFSR [Ministry of Social Security of the R. S. F. S. R.]. Moscow, vol. 23, nos. 9, 11-12, Sep., Nov.-Dec. 1962; vol. 24, no. 1, Jan. 1963.

SOVET TURKMENISTANYN AIALLARY [SOVIET TURKMENISTAN WOMAN]. Organ of TsK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, no. 1(116), Jan. 1963. [In Turkmen]

SOVETSKAIA ZHENSCHINA [SOVIET WOMAN]. Organ of Komitet sovetskikh zhenshchin and Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [Committee of Soviet Women and the All-Union Central Council of Trade Unions]. Moscow, vol. 19, no. 3, 1963.

SOVETSKII KRASNII KREST [SOVIET RED CROSS]. Organ of Tapolnitet'nyi komitet Soluzu obshchestv Krasnogo kresta i Krasnogo polumesatsa SSSR [Executive Committee of the Association of Societies of the Red Cross and Red Crescent of the U. S. S. R.]. Moscow, vol. 12, no. 4, July-Aug. 1962.

ZHENSCHINY MIRA [WOMEN OF THE WHOLE WORLD]. Issued by Mezhdunarodnaya demokraticheskaya federatsiya zhenshchin [Women's International Democratic Federation]. Berlin, nos. 2, 4-5, 7, 9-11 1962.

ZMINA [THE YOUNGER GENERATION]. Issued by Tsentral'nyi komitet Leninskogo komunistychnogo soluzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no. 1(118), Jan. 1963.

6. POLITICAL SCIENCE

CHASOVOI [THE SENTRY]. Organ of Rossiiskoe natsional'noe dvizhenie [Russian National Movement]. Brussels, no. 441(2), Feb. 1963.

EESTI KOMMUNIST [COMMUNIST OF ESTONIA]. Issued by Eestimaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 19, no. 1, Jan. 1963. [In Estonian]

HOVORYT' RADIO SVOBODA; zbirka materialiv ukrains'koi programy [RADIO LIBERTY SPEAKING; Materials of the Ukrainian Broadcasting Program]. Munich, no. 3, 1961.

- KOMMUNIST [COMMUNIST].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 30, nos. 2-3, Jan.-Feb. 1963.
- KOMMUNIST [COMMUNIST].** Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 36, no. 12, Dec. 1962; vol. 37, nos. 1-2, Jan.-Feb. 1963. [In Kirghiz]
- KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 36, nos. 11-12, Nov.-Dec. 1962.
- KOMMUNIST MOLDAVII [COMMUNIST OF MOLDAVIA].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Moldavii [Central Committee of the Communist Party of Moldavia]. Kishinev, vol. 7, nos. 11-12, Nov.-Dec. 1962.
- KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 34, nos. 10-11, Oct.-Nov. 1962.
- KOMUNISTAS [COMMUNIST].** Issued by Lietuvos komunistu partijos Centro komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 1 (463), Jan. 1963. [In Lithuanian]
- KUBANS'KYI KRAI [KUBAN REGION].** Toronto, vol. 11, no. 3, 1962.
- LENINIAN UGIUV [LENIN'S WAY].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Erivan, vol. 42, no. 1, Jan. 1963. [In Armenian]
- MEZHDUNARODNAIA ZHIZN' [INTERNATIONAL LIFE].** Published by Vsesoluznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 10, nos. 2-3, Feb.-Mar. 1963.
- MOLODEZHI MIRA [WORLD YOUTH].** Issued by Vsesvinnaya federatsiia demokraticheskoi molodezhi [World Federation of Democratic Youth]. Moscow, no. 11/12, 1961.
- MOLODOI KOMMUNIST [THE YOUNG COMMUNIST].** Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soyuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 12, Dec. 1962.
- MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. Uchenye zapiski [INSTITUTE OF INTERNATIONAL RELATIONS. Studies].** No. 9, 1962. Seriya ekonomicheskaya [Economic Series].
- MOSCOW. Ispolnitel'nyi komitet. Bulletin' [Executive Committee. Bulletin].** Nos. 23(500)-24(510), Dec. 1962; no. 1(511), Jan. 1963.
- NOVOE VREMIA [NEW TIMES].** Moscow, vol. 20, nos. 1(919)-8(920), Jan.-Feb. 1963.
- PADOMJU LATVIJAS KOMUNISTI [COMMUNIST OF SOVIET LATVIA].** Issued by Latvijas komunistiskajai partijai Centrālā komiteja [Central Committee of the Communist Party of Latvia]. Riga, vol. 18, no. 1, Jan. 1963. [In Latvian]
- PARTIJA TURMUSHI [PARTY LIFE].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, no. 1, Jan. 1963. [In Uzbek]
- PARTIINAIA ZHIZN' [PARTY LIFE].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, nos. 1-4, Jan.-Feb. 1963.
- PARTIINAIA ZHIZN' [PARTY LIFE].** Issued by Tsentral'nyi komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 6, no. 11, Nov. 1962.
- POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION].** Issued by Tsentral'nyi komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 6, no. 11, Nov. 1962.
- PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM].** Prague, vol. 0, no. 2(54), Feb. 1963.
- RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette].** Moscow, vol. 7, nos. 2(224)-6(228), Jan.-Feb. 1963.
- RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette].** Moscow, vol. 26, nos. 6 (1145)-10(1149), Feb.-March 1963.
- SBORNIK NAUCHNYKH RABOT KAFEDRY ISTORII KPSS VUZOV G. KHAR'KOVA [PAPERS BY THE DEPARTMENTS OF THE HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION OF KHARKOV INSTITUTIONS OF HIGHER EDUCATION].** Issued by Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the Ukrainian S. S. R.]. Kharkov, no. 4, 1960.
- SOVET DEPUTATOV TRUDIASHCHIKHSIA [SOVIETS OF WORKERS' DEPUTIES].** Issued by gazeta [newspaper] "Izvestiia." Moscow, nos. 6, 9, June, Sep., 1962; no. 1, Jan. 1963.
- SVOBODA [FREEDOM].** Issued by Tsentral'noe obshchestvo politicheskikh emigrantov iz SSSR [Central Association of Political Refugees from the U. S. S. R.]. Munich, vol. 11, no. 12(126), Dec. 1962.
- TURKMENISTAN KOMMUNISTI [COMMUNIST OF TURKMENISTAN].** Organ of the Central Committee of the Communist Party of Turkmenistan. Ashkhabad, vol. 38, no. 1, Jan. 1963. [In Turkmen]
- VISNYK. THE HERALD.** Organ of Organizatsiia oborony chotyrih svobod Ukrainy [Organization for Defense of the Four Freedoms for the Ukraine, Inc.]. New York, vol. 17, no. 1(170), Jan. 1963.
- ZNAMIA ROSSII; organ ruskoj nezavisimoi monarhicheskoi mysl' [THE BANNER OF RUSSIA; Organ of Russian Independent Monarchistic Thought].** New York, vol. 7, no. 227, Nov. 1962; vol. 8, no. 228, Jan. 1963.

7. LAW

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSELEDOVATELSKII INSTITUT MORSKOGO FLOTA. Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Information Bulletin]. No. 82, 1962. Morskoe pravo i praktika [Maritime Law and Practice], no. 18.

MOSCOW. UNIVERSITET. Vestnik. Seriya 10: Pravo [UNIVERSITY. Review. Series 10: Law]. Vol. 17, no. 4, Oct.-Dec. 1962.

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sud. Bulletin' [Supreme Court. Bulletin]. Moscow, no. 11, 1962; no. 1, 1963.

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; pravovedenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Jurisprudence]. Moscow, vol. 0, no. 4, 1962.

SOTSIALISTICHESKAYA ZAKONNOST' [SOCIALIST LEGALITY]. Organ of Prokuratura SSSR [Attorney General's Office of the U. S. S. R.]. Moscow, vol. 39, no. 12, Dec. 1962; vol. 40, no. 1, Jan. 1963.

SOVETSKAIA IUSTITSIIA [SOVIET JUSTICE]. Issued by Ministerstvo Iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R. S. F. S. R.]. Moscow, nos. 21, 24, Nov.-Dec. 1962; no. 1, Jan. 1963.

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW]. Organ of Institut gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of the Academy of Sciences of the U. S. S. R.]. Moscow, vol. 33, nos. 1-2, Jan.-Feb. 1963.

8. EDUCATION

a. GENERAL

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR. Moscow. Doklady [ACADEMY OF PEDAGOGICAL SCIENCES OF THE R. S. F. S. R. Reports]. Moscow, nos. 1-2, 1962.

DOSHKIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION]. Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S. S. R.]. Kiev, vol. 23, nos. 10-12, Oct.-Dec. 1962.

DOSHKOL'NOE VOSPITANIE [PRESCHOOL EDUCATION]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 35, nos. 9-11, Sep.-Nov. 1962.

KAZAKSTAN MEKTEBI [KAZAKHSTAN SCHOOLS]. Organ of the Ministry of Education of the Kazakh S. S. R. Alma-Ata, vol. 37, no. 12, Dec. 1962. [In Kazakh]

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.]. Moscow, vol. 23, no. 7, July 1962.

LITERATURA PO PEDAGOGICHESKIM NAUKAM I NARODNOMU OBRAZOVANIU [LITERATURE ON THE PEDAGOGICAL SCIENCES AND PUBLIC EDUCATION]. Apr.-June, 1962. Issued by Gosudarstvennaia biblioteka po narodnomu obrazovaniiu [State Library of Public Education]. Moscow, no. 2, 1962.

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 30, no. 12, Dec. 1962.

NARODNAIA ASVETA [PUBLIC EDUCATION]. Ministerstvo osvity BSSR [Ministry of Education of the White Russian S. S. R.]. Minsk, no. 12, Dec. 1962; no. 11, Nov. 1962.

NARODNOE OBRAZOVANIE [PUBLIC EDUCATION]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 1, Jan. 1963.

NOUKOGUDE KOOL [SOVIET SCHOOL]. Issued by Eesti Nougude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S. S. R.]. Tallinn, vol. 21, no. 1, Jan. 1963. [In Estonian]

PADOMJU LATVIJAS SKOLA [THE SCHOOL IN SOVIET LATVIA]. Issued by LPŠR Izglitības ministrija [Ministry of Education of the Latvian S. S. R.]. Riga, no. 1, Jan. 1963. [In Latvian]

RADIAN'S'KA SHKOLA [SOVIET SCHOOL]. Organ of Ministerstvo osvity Ukrain's'koj RSU [Ministry of Education of the Ukrainian S. S. R.]. Kiev, vol. 41, no. 12, Dec. 1962.

SEMPIA I SHKOLA [FAMILY AND SCHOOL]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, vol. 17, nos. 9, 11-12, Sep., Nov.-Dec. 1962; vol. 18, no. 1, Jan. 1963.

SOVET MAKTAI [SOVIET SCHOOL]. Organ of Ministerstvo prosvetsheniia Uzbekskoi SSR [Ministry of Education of the Uzbek S. S. R.]. Tashkent, no. 1, Jan. 1963. [In Uzbek]

SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, vol. 26, nos. 8, 12, Aug., Dec. 1962.

SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 9, no. 11, Nov. 1962; vol. 10, no. 1, Jan. 1963.

VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 20, no. 12, Dec. 1962.

VOZHATYI [PIONEER GUIDE]. Published by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soyuza molodezhi and Tsentral'nyi sovet Vsesoluznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 39, no. 2, Feb. 1963.

VSEMI RNYE STUDENCHESKIE NOVOSTI [WORLD STUDENT NEWS]. Issued by Mezhdunarodnyi soluz studentov [International Student Association]. Moscow, vol. 16, nos. 1, 4-5/6, Jan., Apr.-June, 1962.

ZHYTTIA I SHKOLA [LIFE AND SCHOOL]. New Haven, vol. 8, no. 10/12(66-70), Oct.-Dec. 1962; vol. 9, no. 1/2(71/72), Jan.-Feb. 1963.

b. PHYSICAL EDUCATION & GAMES

FIZICHESKAYA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 2, Feb. 1963.

LEGKAYA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 8, no. 1(82), Jan. 1963.

SHAKHMATNYI BULLETEN' [CHESS BULLETIN]. Organ of Shakhmatnaya federatsiya SSSR [Chess Federation of the U. S. S. R.]. Moscow, vol. 9, no. 2, Feb. 1963.

SHAKHMATY V SSSR [CHESS IN THE U. S. S. R.]. Organ of Shakhmatnaya federatsiya SSSR [Chess Federation of the U. S. S. R.]. Moscow, vol. 40, no. 2, Feb. 1963.

SPORTIVNAYA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vsesoyuznii sovet Soluza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 7, no. 2, Feb. 1963.

TEORIYA I PRAKTIKA FIZICHESKOY KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 25, no. 11, Nov. 1962.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

ISKUSTVO KINO [CINEMA ART]. Organ of Ministerstvo kul'tury SSSR and Soluz rabotnikov kinematografii SSSR [Ministry of Culture of the U. S. S. R. and of the Association of Cinematographic Workers of the U. S. S. R.]. Moscow, no. 10, Oct. 1962.

KINOMEKHANIK [MOTION-PICTURE OPERATOR]. Issued by Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, no. 1, Jan. 1963.

SOVETSKII EKRAK [THE SOVIET SCREEN]. Organ of Ministerstvo kul'tury SSSR and Soluz rabotnikov kinematografii SSSR [Ministry of Culture of the U. S. S. R. and the Union of Motion-Picture Workers of the U. S. S. R.]. Moscow, no. 2(146), Jan. 1963.

TEKHNIKA KINO I TELEVIDENIYA [MOTION-PICTURE AND TELEVISION ENGINEERING]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, vol. 7, no. 1, Jan. 1963.

VOPROSY KINOISKUSSTVA [PROBLEMS IN CINEMA ART]. Issued by Institut istorii i teorii Akademii nauk SSSR [Institute of the History of Fine Arts of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 6, 1962.

b. MUSIC

MUZYKA I NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soluz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U. S. S. R. and the Ministry of Culture of the U. S. S. R.]. Moscow, vol. 8, no. 3, Feb. 1963.

SARATOV. GOSUDARSTVENNAYA KONSERVATORIYA. Nauchno-metodicheskie zapiski [STATE CONSERVATORY. Methodological Studies]. Saratov, no. 4, 1961.

SOVETSKAYA MUZYKA [SOVIET MUSIC]. Organ of Soluz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U. S. S. R. and the Ministry of Culture of the U. S. S. R.]. Moscow, vol. 26, no. 12, Dec. 1962.

c. THEATER

ESTRADA [STAGE]. Moscow, no. 3, 1962.

KHUDOZHESTVENNAYA SAMODEIATEL'NOST' [AMATEUR ART ACTIVITIES]. Issued by Vsesoyuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 8, no. 1, Jan. 1963.

SOVETSKII TSIRK [THE SOVIET CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, vol. 7, no. 1(64), Jan. 1963.

TEATRAL'NAYA MOSKVA [THEATRICAL MOSCOW]. Issued by Upravlenie kul'tury Ispolkoma Mossoveta [Administration for Culture of the Executive Committee of the Moscow Soviet]. Moscow, nos. 27/27a, 41a, July-Oct. 1959.

TEATRAL'NAYA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.] and others. Moscow, no. 4, Feb. 1963.

10. FINE ARTS

a. GENERAL

KHUDOZHNIK [ARTIST]. Issued by Soluz khudozhnikov RSFSR [Association of Artists of the R. S. F. S. R.]. Moscow, no. 1, 1963.

MOSCOW. GOSUDARSTVENNYI MUZEY IZOBRAZITEL'NYKH ISKUSSTV. Soobshcheniya [STATE MUSEUM OF FINE ARTS. Reports]. [No. 1], 1960.

SOVETAKAN ARVEST [SOVIET ART]. Issued by Ministerstvo kul'tury Armianskoi SSR [Ministry of Culture of the Armenian S. S. R.]. Yerevan, no. 12, 1962. [In Armenian]

SOVETSKOE FOTO [THE SOVIET PHOTO]. Issued by Soluz zhurnalistsov SSSR [Association of Journalists of the U. S. S. R.]. Moscow, vol. 22, nos. 11-12, Nov.-Dec. 1962.

b. ARCHITECTURE

ARKHITEKTURA SSSR [ARCHITECTURE OF THE U. S. S. R.]. Organ of Akademiya stroitel'stva i arkhitektury SSSR and Soluz arkhitektorov SSSR [Academy of Construction and Architecture of the U. S. S. R. and the Association of Architects of the U. S. S. R.]. Moscow, no. 12, 1962.

STROITEL'STVO I ARKHITEKTURA [CONSTRUCTION AND ARCHITECTURE]. Issued by Gosudarstvennyi komitet Soveta Ministrov USSR po delam stroitel'stva i Soluz arkhitektorov Ukrainy [State Committee of the Council of Ministers of the Ukrainian S. S. R. for Construction and the Association of Architects of the Ukraine]. Kiev, vol. 10, nos. 1(85), 8(82), 12(86), Jan., Aug., Dec. 1962.

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodskogo soveta deputatov trudiashechikh [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol. 26, no. 1, Jan. 1963.

STROITEL'STVO I ARKHITEKTURA MOSKVI [CONSTRUCTION AND ARCHITECTURE IN MOSCOW]. Issued by Ispolkom Moskovskogo gorodskogo Soveta deputatov trudiashechikh [Executive Committee of the Moscow City Soviet of Workers' Deputies]. Moscow, vol. 12, no. 1, Jan. 1963.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

BA'ZE MAS'ALAKHOI ZADON VA ADABIYATI TO'CHIK [SOME PROBLEMS OF THE TAJIK LANGUAGE AND LITERATURE]. Samarkand, no. 114, 1961. [In Tajik]

MATERIALY I ISSLEDOVANIYA PO ISTORII RUSSKOGO LITERATURNOGO IAZYKA [MATERIALS AND RESEARCH ON THE HISTORY OF THE RUSSIAN LITERARY LANGUAGE]. Issued by Institut russkogo iazyka Akademii nauk SSSR [Institute of the Russian Language of the Academy of Sciences of the U. S. S. R.]. Moscow, vol. 5, 1962.

MATERIALY I ISSLEDOVANIYA PO RUSSKOI DIALEKTOLOGII [MATERIALS AND RESEARCH ON RUSSIAN DIALECTOLOGY]. Issued by Institut russkogo iazyka Akademii nauk SSSR [Institute of the Russian Language of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 2, 1961.

MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT INOSTRANNYKH IAZYKOV. Mashinnyi perevod i prikladnaya lingvistika [MOSCOW STATE PEDAGOGICAL INSTITUTE OF FOREIGN LANGUAGES. Machine Translation and Applied Linguistics]. Moscow, no. 6, 1961.

RUSKII IAZYK V Natsional'noi shkole [THE RUSSIAN LANGUAGE IN NON-RUSSIAN SCHOOLS]. Issued by Akademiya pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, no. 1, 1963.

RUSKII IAZYK V SHKOLE [RUSSIAN LANGUAGE IN SCHOOLS]. Issued by Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 23, no. 6, Nov.-Dec. 1962.

b. LITERATURE & FOLKLORE

AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku, Institut literatury i iazyka. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S. S. R. Institute of Literature and Language. Transactions]. Baku, vol. 16, 1962. [In Azerbaijani]

ALA-TOO; literaturno-khudozhestvennyi i obshchestvenno-politicheskiy zhurnal [ALA-TAU; Literary and Socio-political Magazine]. Organ of Soluz pisatelei Kirgizii and Ministerstvo kul'tury Kirgizskoi SSR [Association of Writers of Kirgizia and the Ministry of Culture of the Kirgiz S. S. R.]. Frunze, vol. 32, nos. 1-2, Jan.-Feb. 1963. [In Kirgiz]

AZERBAIJAN [AZERBAIJAN]. Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, no. 1, Jan. 1963. [In Azerbaijani]

BAIKAL. Organ of Soluz pisatelei and Ministerstvo kul'tury Buriatskoi ASSR [Association of Writers and the Ministry of Culture of the Buryat A. S. S. R.]. Ulan-Ude, vol. 8, no. 1, Jan.-Feb. 1963.

DNESTR [DNIESTER]. Organ of Soluz pisatelei Moldavskoi SSR [Association of Writers of the Moldavian S. S. R.]. Kishinev, vol. 15, no. 12, 1962.

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Moscow, no. 1, Jan. 1963.

GRANI [FRONTIERS]. Published by "Pisov." Frankfurt/Main, vol. 17, no. 52, 1962.

IUNOST' [YOUTH]. Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Moscow, vol. 9, no. 1, Jan. 1963.

LITERATURA V SHKOLE [LITERATURE IN SCHOOLS]. Issued by Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 24, no. 1, Jan.-Feb. 1963.

LITERATURNAYA ARMENIYA [LITERARY ARMENIA]. Organ of Soluz pisatelei Armenii [Association of Writers of Armenia]. Yerevan, no. 12, Dec. 1962; no. 1, Jan. 1963.

NEMAN [NEMAN RIVER]. Organ of Soluz pisatelei SSSR [Association of Writers of the White Russian S. S. R.]. Minsk, vol. 12, no. 1, Jan.-Feb. 1963.

NETRUI [DNIESTER RIVER]. Organ of the Association of Soviet Writers of the Moldavian S. S. R. Kishinev, vol. 32, no. 1, 1963. [In Moldavian]

NOVAYA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 10-11, 1962.

NOVAYA SOVETSKAYA LITERATURA PO LITERATUROVEDENIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 10-11, 1962.

PERGALE [THE VICTORY]. Organ of Iduovos TSR tarybintu ranytoju sajuunga [Association of Soviet Writers of the Lithuanian S. S. R.]. Vilnius, no. 2, 1963. [In Lithuanian]

POLYMIA [FLAME]. Organ of Soluz pisatennikov BSSR [Association of Writers of the White Russian S. S. R.]. Minsk, vol. 41, no. 1, Jan. 1963.

PRAPOR; literaturno-khudozhnyi ta hromads'ko-politichnyi zhurnal [BANNER; Literary and Sociopolitical Magazine]. Issued by Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Kharkov, no. 12, Dec. 1962.

PUNALIPPU [THE RED BANNER]. Issued by the Association of Soviet Writers of the Karelo-Finnish S. S. R. Petrozavodsk, vol. 10, no. 6, 1962. [In Finnish]

SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Novosibirskoe otdelenie Soluza pisatelei RSFSR [Novosibirsk Branch of the Association of Writers of the R. S. F. S. R.]. Novosibirsk, vol. 42, no. 2, Feb. 1963.

SOVETAKAN GRAKANUTIUN [SOVIET LITERATURE]. Organ of the Association of Soviet Writers of Armenia. Eriuan, no. 12, 1962. [In Armenian]

SOVETSKAYA PECHAT' [SOVIET PRESS]. Issued by Soluz zhurnalistsov SSSR [Association of Journalists of the U. S. S. R.]. Moscow, no. 12, Dec. 1962; no. 1, Jan. 1963.

URAL. Issued by Sverdlovskoe otделение Soluza pisatelei RSFSR [Sverdlovsk Branch of the Association of Writers of the R. S. F. S. R.]. Sverdlovsk, vol. 5, no. 12, Dec. 1962.

VITCHYZNA [OUR COUNTRY]. Organ of Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Kiev, vol. 31, no. 1, Jan. 1963.

VOZROZHDENIE [RENAISSANCE]. Paris, no. 134, Feb. 1963.

ZHOVTEN' [OCTOBER]. Organ of Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Lvov, vol. 13, no. 2, Feb. 1963.

ZHULDYZ [STAR]. Issued by Soluz sovetakikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, no. 1, Jan. 1963. [In Kazakh]

ZNAMIA [THE BANNER]. Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Moscow, vol. 32, nos. 9-12, Sep.-Dec. 1962; vol. 33, no. 1, Jan. 1963.

12. GEOGRAPHY & GEOLOGY

a. ETHNOLOGY

SOVETSKAYA ETNOGRAFIYA [SOVIET ETHNOGRAPHY]. Issued by Institut etnografi Akademii nauk SSSR [Institute of Ethnography of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 6, Nov.-Dec. 1962.

b. GEOGRAPHY

AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Institut geografi. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S. S. R. Institute of Geography. Transactions]. Tiflis, vol. 19, 1962.

AKADEMIIA NAUK SSSR. Institut merzlotovedeniia. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Permafrost Institute. Transactions]. Moscow, vol. 19, 1962.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Izvestiia [GEOGRAPHIC SOCIETY OF THE U. S. S. R. Bulletin]. Moscow, vol. 94, no. 9, Nov.-Dec. 1962.

MERZLOTNYE ISSLEDOVANIYA [PERMAFROST RESEARCH]. Issued by Kafedra merzlotovedeniia Geologicheskogo fakul'teta Moskovskogo universiteta [Permafrost Department of the Geological Faculty of Moscow University]. Moscow, no. 1, 1961.

MOSCOW. UNIVERSITET. Vestnik, Seriya 5: Geografiia [UNIVERSITY. Review, Series 5: Geography]. Vol. 17, nos. 4, 6, July-Aug., Nov.-Dec. 1962.

MOSCOW. UNIVERSITET. Geograficheski fakul'tet. Informatsionnyi sbornik o rabotakh po Mezhdunarodnomu geofizicheskomu godu [UNIVERSITY. Geographical Faculty. Information Bulletin on the Work for the International Geophysical Year]. No. 8, 1962.

REFERATIVNYI ZHURNAL: GEOGRAFIYA [JOURNAL OF ABSTRACTS: GEOGRAPHY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 1, Jan. 1963.

VOKRUG SVETA [AROUND THE WORLD]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 12, Dec. 1962.

VOPROSY GEOGRAFI [PROBLEMS OF GEOGRAPHY]. Published by Moskovskii filial Geograficheskogo obshchestva SSSR [Moscow Chapter of the Geographic Society of the U. S. S. R.]. Moscow, no. 69, 1962.

c. GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK SSSR. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]. Moscow, nos. 8-9, 1962.

AKADEMIIA NAUK SSSR. Kamchatskaya vulkanologiya - cheskaia stantsiia. Biulleten' Vulkanologicheskoi stantsii [ACADEMY OF SCIENCES OF THE U. S. S. R. Kamchatka Volcanic Station. Bulletin of the Volcanic Station]. Moscow, no. 33, 1962.

AKADEMIIA NAUK SSSR. Komissia po izucheniiu chetvertichnogo perioda. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Commission for the Study of the Quaternary Period. Transactions]. Moscow, vols. 19-20, 1962.

AKADEMIIA NAUK SSSR. Laboratoriia vulkanologii. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Laboratory of Volcanology. Transactions]. Moscow, no. 22, 1962.

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Institut geologii. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S. S. R. Institute of Geology. Transactions]. Dushanbe, vol. 5, 1962.

AKADEMIIA NAUK TURKMENSKOI SSR, Ashkhabad. Institut geologii. Trudy [ACADEMY OF SCIENCES OF THE TURKMEN S. S. R. Institute of Geology. Transactions]. Ashkhabad, vol. 3, 1963.

AKADEMIIA NAUK URSSR, Kiev. Institut geologicheskikh nauk. Trudy. Seriya zhal'tsiu geologii [ACADEMY OF SCIENCES OF THE UKRAINIAN S. S. R. Institute of Geological Sciences. Transactions. General Geology Series]. Kiev, no. 1, 1962.

BAKU. ABERDAIDZHANSKII GOSUDARSTVENNYI UNIVERSITET. Uchenye zapiski. Geologo-geograficheskii seriia [AZERBAIJAN STATE UNIVERSITY. Studies. Geological and Geographical Series]. No. 6, 1961; no. 1, 1962.

LENINGRAD. VSESOUZNYI NEFTIANOI NAUCHNO-ISSLEDOVATELSKII GEOLOGORAZVEDOCHNYI INSTITUT. Trudy [ALL-UNION PETROLEUM SCIENTIFIC RESEARCH] GEOLOGICAL PROSPECTING INSTITUTE. Transactions. No. 190, 1962. Geologicheskii sbornik [Geological Papers] no. 7.

MOSCOW. UNIVERSITET. Vestnik, Seriya 4: Geologiya [UNIVERSITY. Review, Series 4: Geology]. Vol. 17, no. 5, Nov.-Dec. 1962.

PALEONTOLOGICHESKII ZHURNAL [PALEONTOLOGICAL JOURNAL]. Issued by Akademii nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, no. 4, 1962.

REFERATIVNYI ZHURNAL: GEOLOGIYA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 1, Jan. 1963.

SOFIA. TSENTUR ZA NAUCHNO-TEKHNIЧЕСКА ИНФОРМАЦИЯ I ДОКУМЕНТАЦИЯ. Referativnyi biulleten' bolgarskoi nauchnoi literatury. Geologiya i geografiia [CENTER OF SCIENTIFIC AND TECHNICAL INFORMATION AND DOCUMENTATION. Bulletin of Abstracts of Bulgarian Scientific Literature. Geology and Geography]. Vol. 4, 1961, publ. 1962.

13. SCIENCE

a. GENERAL

*AKADEMIIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U. S. S. R. Reports]. Moscow, vol. 147, nos. 4, 6, Dec. 1962.

EESTI LOODUS [ESTONIAN NATURE]. Issued by Eesti NSV Teaduste Akadeemia [Academy of Sciences of the Estonian S. S. R.]. Tallinn, no. 1, Jan. 1963. [In Estonian]

NAUKA I ZHIZN' [SCIENCE AND LIFE]. Issued by Vsesoiuznoe obshchestvo po rasprostraneniia politicheskikh i nauchnykh znani [All-Union Society for Dissemination of Political and Scientific Knowledge]. Moscow, vol. 29, no. 11, Nov. 1962.

NAUKA I ZHYTTIA [SCIENCE AND LIFE]. Published by Tovarystvo dlia poshyrennia poltychnykh i naukovykh znani Ukrainy'ko [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S. S. R.]. Kiev, vol. 5, no. 9(64), Sep. 1955; vol. 6, no. 7(64), July 1956; vol. 12, nos. 10(139)-11(140), Oct.-Nov. 1962.

PRIRODA [NATURE]. Issued by Akademii nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 52, no. 1, 1963.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po professional'no-tehnicheskoiu obrazovaniiu [State Committee of the Council of Ministers of the U. S. S. R. for Industrial Training]. Moscow, vol. 37, nos. 10-11, Oct.-Nov. 1962.

ZNANNIA TA PRATSIA [KNOWLEDGE AND WORK]. Issued by Tsentral'nyi komitet Leninskoho komunistychnoho soluza molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, nos. 11(273)-12(274), Nov.-Dec. 1962.

b. ASTRONOMY

AKADEMIIA NAUK KAZAKHNSKOI SSR, Alma-Ata. Astrofizicheskii institut. Izvestiia [ACADEMY OF SCIENCES OF THE KAZAKH S. S. R. Astrophysical Institute. Bulletin]. Alma-Ata, vol. 15, 1962.

ASTRONOMICHESKII TSIRKULIAR [ASTRONOMICAL CIRCULAR]. Published by Biuro astronomicheskikh soobshchenii Akademii nauk SSSR [Bureau of Astronomical Information of the Academy of Sciences of the U. S. S. R.]. Kazan, nos. 224-226, Aug.-Oct. 1961; no. 227, Feb. 1962.

*ASTRONOMICHESKII ZHURNAL [ASTRONOMICAL JOURNAL]. Issued by Akademii nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 40, no. 1, Jan.-Feb. 1963.

REFERATIVNYI ZHURNAL: ASTRONOMIYA I GEODEZIYA [JOURNAL OF ABSTRACTS: ASTRONOMY AND GEODESY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, Dec. 1962. Predmetnyi ukazatel' za 1961 g. [Subject Index for 1961]

TASHKENT. ASTRONOMICHESKAYA OBSERVATORIYA. Tsirkuliar [ASTRONOMICAL OBSERVATORY. Circular]. Nos. 312-310, March, May-July, Sep.-Nov. 1962.

c. BIOLOGY

AKADEMIIA NAUK SSSR. Izvestiia, Seriya biologicheskaya [ACADEMY OF SCIENCES OF THE U. S. S. R. Bulletin, Biological Series]. Moscow, no. 6, Nov.-Dec. 1962.

AKADEMIIA NAUK SSSR. Iakutskii filial, Yakutsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Yakut Branch, Institute of Biology. Transactions]. Moscow, no. 8, 1962.

AKADEMIIA NAUK SSSR. Institut biokhimii. Biokhimii plodov i ovochchii [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of Biochemistry. Biochemistry of Fruit and Vegetables]. Moscow, no. 7, 1962.

AKADEMIIA NAUK SSSR. Sibirskoe otделение, Vostochno-Sibirskii biologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Siberian Department, East Siberian Biological Institute. Transactions]. Irkutsk, no. 1, 1962.

AKADEMIIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Ural Branch, Institute of Biology. Transactions]. Sverdlovsk, no. 28, 1962. Materialy po izucheniiu flory i rastitel'nosti Urala [Materials for the Study of the Flora and Vegetation of the Urals], vol. 1.

AKADEMIIA NAUK SSSR. Zoologicheskii institut, Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Zoological Institute. Transactions]. Moscow, vol. 31, 1962.

AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Botanicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S. S. R. Botanical Institute. Transactions]. Dushanbe, vol. 18, 1962.

AKADEMIIA NAUK URSSR, Kiev. Botanicheskii sad, Vsesoyuznyi [ACADEMY OF SCIENCES OF THE UKRAINIAN S. S. R. Botanical Garden, Review]. Kiev, no. 4, 1962.

AKADEMIIA NAUK URSSR, Kiev. Institut zoologii. Pratsi [ACADEMY OF SCIENCES OF THE UKRAINIAN S. S. R. Institute of Zoology. Transactions]. Kiev, vol. 18, 1962. [In Ukrainian]

BOTANICHESKII ZHURNAL [BOTANICAL JOURNAL]. Organ of Vsesoiuznoe botanicheskoe obshchestvo [All-Union Botanical Society]. Moscow, vol. 47, no. 11, Nov. 1962.

*ENTOMOLOGICHESKOE OBOZRENIYE [ENTOMOLOGICAL REVIEW]. Issued by Vsesoiuznoe entomologicheskoe obshchestvo [All-Union Entomological Society]. Leningrad, vol. 41, no. 4, 1962.

IUNYI NATURALIST [YOUNG NATURALIST]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo komunisticheskogo soюза molodezhi and Tsentral'nyi sovet Vsesoluznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and Central Council of the All-Union Lenin Pioneers]. Moscow, no. 12, Dec. 1962; no. 1, Jan. 1963.

KHOPERSKII GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [KHOPER STATE PRESERVE. Transactions]. No. 3, 1959.

MOSCOW. GLAVNYI BOTANICHESKII SAD. Bulletin' [MAIN BOTANICAL GARDEN. Bulletin]. No. 47, 1962.

MOSCOW. UNIVERSITET. Belomorskaya biologicheskaya stantsiya. Trudy [UNIVERSITY. White Sea Biological Station. Transactions]. Vol. 1, 1962.

PETRODVORETS. BIOLOGICHESKII INSTITUT. Trudy [BIOLOGICAL INSTITUTE. Transactions]. No. 19, 1962.

REFERATIVNYI ZHURNAL: BIOLOGIYA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

UKRAINS'KYI BOTANICHNYI ZHURNAL [UKRAINIAN BOTANICAL JOURNAL]. Issued by Institut botaniky Akademii nauk URSS [Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 19, no. 5, 1962.

*USPEKHI SOVREMENNOI BIOLOGII [PROGRESS IN CONTEMPORARY BIOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 54, no. 3(6), Nov.-Dec. 1962.

VOPROSY FIZIOLOGII I BIOKHIMII KUL'TURNYKH RASTENII [PROBLEMS OF PHYSIOLOGY AND BIOCHEMISTRY OF PLANT CROPS]. Issued by Institut fiziologii i biokhimii rastenii Akademii nauk Moldavskoi SSR [Institute of Physiology and Biochemistry of Plants of the Academy of Sciences of the Moldavian S.S.R.]. Kishinev, no. 1, 1962.

ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 41, no. 11, Nov. 1962.

d. CHEMISTRY

AKADEMIYA NAUK GRUZINSKOI SSR, Tiflis. Institut prikladnoi khimii i elektrokhimii. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Applied Chemistry and Electrochemistry. Transactions]. Tiflis, vol. 3, 1962.

*AKADEMIYA NAUK SSSR. Izvestiya. Otdelenie khimicheskikh nauk [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Department of Chemical Sciences]. Moscow, no. 12, Dec. 1962; no. 1, Jan. 1963.

KHIMIYA V SHKOLE [CHEMISTRY IN SCHOOLS]. Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 17, no. 6, Nov.-Dec. 1962.

*KINETIKA I KATALIZ [KINETICS AND CATALYSIS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 5, Sep.-Oct. 1962.

*KOLLOIDNYI ZHURNAL [COLLOID JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 24, no. 6, Nov.-Dec. 1962.

MOSCOW. UNIVERSITET. Vestnik. Seriya 2: Khimiya [UNIVERSITY. Review. Series 2: Chemistry]. Vol. 16, [i.e. 17], no. 6, Nov.-Dec. 1962.

RADIOKHIMIYA [RADIOCHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 6, 1962.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; khimiya i khimicheskaya tekhnologiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Chemistry and Chemical Technology]. Moscow, vol. 5, no. 5, 1962.

*VYSOKOMOLEKULIARNYE SOEDINENIYA [MACROMOLECULAR COMPOUNDS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 1, Jan. 1963.

*ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 6, Sep. 1962.

*ZHURNAL FIZICHESKOI KHIMII [JOURNAL OF PHYSICAL CHEMISTRY]. Published by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 36, no. 12, Dec. 1962.

*ZHURNAL OBSHCHEI KHIMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 32, no. 12, Dec. 1962; vol. 33, no. 1, Jan. 1963.

e. MATHEMATICS

AKADEMIYA NAUK GRUZINSKOI SSR, Tiflis. Vychislitel'nyi tsentr. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Computation Center. Transactions]. Tiflis, vol. 2, 1962.

MATEMATICHESKII SBOBNIK [MATHEMATICAL REVIEW]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 58(100), no. 4, Dec. 1962.

MATEMATIKA V SHKOLE [MATHEMATICS IN SCHOOLS]. Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 6, Nov.-Dec. 1962.

MOSCOW. UNIVERSITET. Vestnik. Seriya 1: Matematika, mekhanika [UNIVERSITY. Review. Series 1: Mathematics, Mechanics]. Vol. 18, no. 1, Jan.-Feb. 1963.

*PRIKLAADNAIA MATEMATIKA I MEKHANIKA [APPLIED MATHEMATICS AND MECHANICS]. Issued by Otdelenie tekhnicheskikh nauk Akademii nauk SSSR [Technological Sciences Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 20, no. 6, Nov.-Dec. 1962.

*USPEKHI MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademiya nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 17, no. 6(108), Nov.-Dec. 1962.

*ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 5, Sep.-Oct. 1962.

f. PHYSICS

AKADEMIYA NAUK GRUZINSKOI SSR, Tiflis. Institut geofiziki. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Geophysics. Transactions]. Tiflis, vol. 20, 1962.

*AKADEMIYA NAUK SSSR. Izvestiya. Seriya fizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series]. Moscow, vol. 16, no. 12, Dec. 1962; vol. 27, no. 1, Jan. 1963.

AKADEMIYA NAUK SSSR. Turkmenskii filial. Ashkhabad. Fiziko-tekhnicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Turkmen Branch. Institute of Physics and Technology. Transactions]. Ashkhabad, no. 1, 1949; no. 2, 1960.

DOSIAINENIYA SUCHASNOI FIZIKY [ACHIEVEMENTS OF MODERN PHYSICS]. Kiev, no. 6, 1962. [MICROFILM]

*FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 1, Jan. 1963.

GEOMAGNETIZM I AERONOMIYA [GEOMAGNETISM AND AERONOMY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 6, Nov.-Dec. 1962.

*KRISTALLOGRAFIYA [CRYSTALLOGRAPHY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 3, May-June 1962.

LENINGRAD. GIDROMETEOROLOGICHESKII INSTITUT. Trudy [HYDROMETEOROLOGICAL INSTITUTE. Transactions]. No. 11, 1961.

METEOROLOGIYA I GIDROLOGIYA [METEOROLOGY AND HYDROLOGY]. Issued by Glavnoe upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of Hydrometeorological Service, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

MOSCOW. TSENTRAL'NYI INSTITUT PROGNOZOV. Trudy [CENTRAL WEATHER INSTITUTE. Transactions]. No. 110, 1962.

*OPTIKA I SPEKTROSKOPIYA [OPTICS AND SPECTROSCOPY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 13, no. 6, Dec. 1962.

REFERATIVNYI ZHURNAL: GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Feb. 1963.

*REFERATIVNYI ZHURNAL: MEKHANIKA [JOURNAL OF ABSTRACTS: MECHANICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Physics]. Moscow, no. 6, 1962.

TEPLO- I MASSOPERENOS [HEAT AND MASS TRANSFER]. Minsk, vol. 1, 1962.

UKRAINS'KYI FIZICHNYI ZHURNAL [UKRAINIAN PHYSICAL JOURNAL]. Issued by Viddil fizyko-matematicheskikh nauk Akademii nauk URSS [Department of Physical and Mathematical Sciences of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 7, nos. 5, 8, 10, May, Aug., Oct. 1962.

*USPEKHI FIZICHESKIKH NAUK [PROGRESS IN THE PHYSICAL SCIENCES]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 78, no. 3, Nov. 1962; vol. 79, no. 1, Jan. 1963.

*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 43, no. 6(12), Dec. 1962.

14. MEDICINE

a. GENERAL

AKADEMIYA MEDITSINSKIKH NAUK SSSR, Moscow. Vestnik [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 17, no. 11, 1962.

AKADEMIYA MEDITSINSKIKH NAUK SSSR, Moscow. Otdel nauchnoi meditsinskoi informatsii. Informatsionnaya bibliografiya. Vnutrennie bolezni [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Department of Scientific Medical Information. Bibliography. Internal Diseases]. Moscow, nos. 1-2, 1961.

KHARKOV. UKRAINSKII NAUCHNO-ISSEDOVATELSKII INSTITUT EKSPERIMENTAL'NOI ENDOKRINOLOGII. Trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF EXPERIMENTAL ENDOCRINOLOGY. Transactions]. Vol. 18, 1961.

LENINGRAD. LENINGRADSKII INSTITUT EPIDEMIOLOGII I MIKROBIOLOGII IM. PASTERA. Trudy [LENINGRAD PASTEUR INSTITUTE OF EPIDEMIOLOGY AND MICROBIOLOGY. Transactions]. Vol. 20, 1959.

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 2, vol. 7, no. 1, Jan. 1963. Razdel [Section] 3, vol. 7, no. 2, Feb. 1963. Razdel [Section] 6, vol. 7, no. 2, Feb. 1963. Razdel [Section] 7, vol. 7, no. 2, Feb. 1963. Razdel [Section] 9, vol. 7, no. 1, Jan. 1963. Razdel [Section] 10, vol. 7, nos. 1-2, Jan.-Feb. 1963.

MOSCOW. VTOROY MOSKOVSKII MEDITSINSKII INSTITUT. Voprosy kardiologii [SECOND MOSCOW MEDICAL INSTITUTE. Problems of Cardiology]. No. 2, 1962.

REFERATIVNYI ZHURNAL. OTDEL'NYI VYPUSK 36: MEDITSINSKAYA GEOGRAFIYA [JOURNAL OF ABSTRACTS. SEPARATE ISSUE 36: MEDICAL GEOGRAPHY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

**TOKSIKOLOGIJA NOVIKH PROMYSHLENNYKH KIMI-
CHESKIH VESHCHESTV [TOXICOLOGY OF NEW
INDUSTRIAL CHEMICAL SUBSTANCES].** Issued by
Akademiya meditsinskikh nauk SSSR [Academy of
Medical Sciences of the U. S. S. R.]. Moscow, no. 4,
1962.

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselības
 aizsardzības ministrija [Ministry of Health of the
Latvian S. S. R.]. Rīga, no. 2(57), Feb. 1963. [In
Latvian]

ZDOROV'E [HEALTH]. Issued by Ministerstvo zdravo-
okhraneniya SSSR i RSFSR [Ministries of Health of the
U. S. S. R. and the R. S. F. S. R.]. Moscow, vol. 8,
no. 12(98), Dec. 1962.

ZDRAVOOKHRANENIE [HEALTH SERVICE]. Organ of
Ministerstvo zdravookhraneniya Moldavskoi SSR [Min-
istry of Health of the Moldavian S. S. R.]. Kishinev,
vol. 5, no. 3, May-June 1962.

**ZDRAVOOKHRANENIE BELORUSSII [HEALTH SERVICE
OF WHITE RUSSIA].** Organ of Ministerstvo zdravo-
okhraneniya BSSR [Ministry of Health of the White
Russian S. S. R.]. Minsk, vol. 8, no. 12, Dec. 1962.

**ZDRAVOOKHRANENIE KAZAKHSTANA [HEALTH
SERVICE OF KAZAKHSTAN].** Issued by Ministerstvo
zdravookhraneniya Kazakhskoi SSR [Ministry of
Health of the Kazakh S. S. R.]. Alma-Ata, vol. 22,
no. 7, 1962.
(DNLM)

**ZDRAVOOKHRANENIE ROSSIJSKOI FEDERATSII
[HEALTH SERVICE OF THE RUSSIAN FEDERATION].**
Issued by Ministerstvo zdravookhraneniya RSFSR [Min-
istry of Health of the R. S. F. S. R.]. Moscow, vol. 8,
no. 12, Dec. 1962.

b. GYNECOLOGY, OBSTETRICS & PEDIATRICS

**VOPROSY OKHRANY MATERINSTVA I DETSTVA [PROB-
LEMS OF MOTHER AND CHILD CARE].** Issued by
Ministerstvo zdravookhraneniya RSFSR [Ministry of
Health of the R. S. F. S. R.]. Moscow, vol. 7, no. 9, Sep.
1962.

f. PHARMACY & MATERIA MEDICA

APTECHNOE DELO [PHARMACY]. Organ of Minister-
stvo zdravookhraneniya SSSR [Ministry of Health of
the U. S. S. R.]. Moscow, vol. 12 [i. e. 11], no. 3,
May-June 1962.

h. SURGERY & DENTISTRY

**AKADEMIA MEDITSINSKIH NAUK SSSR, Moscow,
Institut khirurgii. Sbornik trudov [ACADEMY OF
MEDICAL SCIENCES OF THE U. S. S. R. Institute
of Surgery. Papers].** Moscow, no. 1, 1962.
(DNLM)

**AKADEMIA MEDITSINSKIH NAUK SSSR, Moscow,
Otdel nauchnoi meditsinskoj informatsii. Informa-
tsionnaya bibliografiya. Khirurgiya [ACADEMY OF
MEDICAL SCIENCES OF THE U. S. S. R. Department
of Scientific Medical Information. Bibliography.
Surgery].** Moscow, no. 1, 1961.

15. AGRICULTURE

a. GENERAL

AGROBIOLOGIJA [AGROBIOLOGY]. Issued by Vsesojuz-
naya akademiya sel'skokhoziaistvennykh nauk imeni
V. I. Lenina [All-Union Lenin Academy of Agricultural
Sciences]. Moscow, no. 6, Nov.-Dec. 1962.

**ARMENIAN S. S. R. Glavnoe upravlenie sel'skokhozi-
astvennykh nauk i podgotovki kadrov. Izvestiya. Sel'-
skokhoziaistvennye nauki [Main Administration of
Agricultural Sciences and Staff Training. Bulletin.
Agricultural Sciences].** Eriyan, vol. 5, no. 9/10,
1962.

**KIEV. UKRAINS'KA AKADEMIIA SIL'S'KOHOSPODAR-
S'KYKH NAUK. Naukovi pratsi aspirantiv [UKRAIN-
IAN ACADEMY OF AGRICULTURAL SCIENCES.
Graduate Student Studies].** No. 5, 1960.
(DNAL)

KREST'IANKA [THE PEASANT WOMAN]. Published by
Izd-vo [Publishing House] "Pravda," Moscow, vol. 41,
no. 1, Jan. 1963.

**MEKHANIZATSIIA I ELEKTRIFIKATSIIA SOTSIALISTI-
CHESKOGO SEL'SKOGO KHOZIAISTVA [MECHANI-
ZATION AND ELECTRIFICATION OF SOCIALIST
AGRICULTURE].** Issued by Ministerstvo sel'skogo
khoziaistva SSSR [Ministry of Agriculture of the
U. S. S. R.]. Moscow, vol. 20, no. 6, 1962.

**MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA
AKADEMIIA IM. TIMIRIAZEVA. Doklady [TIMIRIA-
ZEV AGRICULTURAL ACADEMY OF MOSCOW.
Reports].** No. 50, 1959; no. 76, 1962.

**MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA
AKADEMIIA IM. TIMIRIAZEVA. Sbornik studentche-
skikh nauchno-issledovatel'skikh rabot [TIMIRIAZEV
AGRICULTURAL ACADEMY OF MOSCOW. Student
Research Papers].** No. 11, 1962.

***POCHOVEDENIE [SOIL SCIENCE].** Issued by Akade-
miya nauk SSSR [Academy of Sciences of the U. S. S. R.].
Moscow, nos. 8-9, 11, Aug.-Sep., Nov. 1962.

**POCHIVY RAIONOV MOLDAVI I ICH RATSIONAL'NOE
ISPOL'ZOVANIE [SOIL ZONES OF MOLDAVIA AND
THEIR EFFICIENT USE].** Issued by Akademiya nauk
Moldavskoi SSR and Moldavskii nauchno-issledova-
tel'skii institut pochovovedeniia i agrokhimii [Academy
of Sciences of the Moldavian S. S. R. and the Moldavian
Scientific Research Institute of Soil Science and
Agrochemistry]. Kishinev, no. 1, 1961.

**SEL'SKOE KHOZIAISTVO; sistematicheskii ukazatel'
statel v inostrannykh zhurnalakh [AGRICULTURE;
Classed Index of Articles in Foreign Periodicals].**
Issued by Tsentral'naya nauchnaya sel'skokhoziaistven-
naya biblioteka i Vsesoiuznaya gosudarstvennaya
biblioteka inostrannoi literatury [Central Agricultural
Library and the All-Union State Library of Foreign
Literature]. Moscow, no. 9(87), 1962.

**SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICUL-
TURE OF KAZAKHSTAN].** Issued by Tsentral'nyi
Komitet Kommunisticheskoi partii Kazakhstana
[Central Committee of the Communist Party of
Kazakhstan]. Alma-Ata, vol. 11, no. 1, Jan. 1963.

**SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRI-
CULTURAL LITERATURE OF THE U. S. S. R.].** Issued
by Tsentral'naya nauchnaya sel'skokhoziaistvennaya bib-
lioteka [Central Agricultural Library]. Moscow,
no. 7/8, 1962.

**SOTSIALISTIK POLUMAJANDUS [SOCIALIST AGRI-
CULTURE].** Issued by Eesti NSV Põllumajandussaa-
dueto Tootmise ja Varumise Ministerium [Ministry
of the Production and Procurement of Agricultural
Products of the Estonian S. S. R.]. Tallinn, vol. 10,
no. 3, Feb. 1963. [In Estonian]

**TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY
IN AGRICULTURE].** Issued by Ministerstvo sel'skogo
khoziaistva SSSR [Ministry of Agriculture of the
U. S. S. R.]. Moscow, vol. 22, no. 11, Nov. 1962.

**VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW
OF AGRICULTURAL SCIENCE].** Issued by Minister-
stvo sel'skogo khoziaistva Kazakhskoi SSR [Ministry
of Agriculture of the Kazakh S. S. R.]. Alma-Ata,
vol. 6, nos. 3, 11-12, Mar., Nov.-Dec. 1962.
(DNAL)

**VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW
OF AGRICULTURAL SCIENCE].** Issued by Minister-
stvo sel'skogo khoziaistva SSSR [Ministry of Agricul-
ture of the U. S. S. R.]. Moscow, vol. 7, nos. 6, 10-11,
May, Oct.-Nov. 1962.

**VISNYK SIL'S'KOHOSPODARS'KOI NAUKY [REVIEW OF
AGRICULTURAL SCIENCE].** Issued by Ministerstvo
sil's'koho hospodarstva Ukrain'skoi RSR [Ministry
of Agricultural Sciences of the Ukrainian S. S. R.].
Kiev, vol. 5, no. 12, Dec. 1962.

**VSESOUZNOE OBNCHESTVO POCHOVEDOV. Kir-
gizskii filial. Izvestiya [ALL-UNION SOCIETY OF
SOIL SCIENTISTS. Kirghiz Branch. Bulletin].**
Frunze, no. 1, 1962.

**ZEMLEDELIE I ZHIVOTNOVODSTVO MOLDAVI
[AGRICULTURE AND ANIMAL HUSBANDRY OF
MOLDAVIA].** Issued by Ministerstvo sel'skogo
khoziaistva Moldavskoi SSR [Ministry of Agriculture
of the Moldavian S. S. R.]. Kishinev, vol. 7, no. 12,
Dec. 1962.

b. ANIMAL INDUSTRY

**BAKU. AZERBAIDZHANSKH NAUCHNO-ISSLEDOVA-
TEL'SKII VETERINARNYI INSTITUT. Trudy [AZER-
BAIJAN SCIENTIFIC RESEARCH VETERINARY IN-
STITUTE. Transactions].** Vol. 13, 1962.
(DNAL)

**KIEV. UKRAINS'KA AKADEMIIA SIL'S'KOHOSPODAR-
S'KYKH NAUK. Naukovo-doslidnyi instytut zemlerob-
stva i tvarinnystva zakhidnykh raioniv URSS. Naukovi
pratsi [UKRAINIAN ACADEMY OF AGRICULTURAL
SCIENCES. Scientific Research Institute of Agricul-
ture and Animal Husbandry of the Western Regions
of the Ukrainian S. S. R. Studies].** Vol. 14, no. 4, 1961.
(DNAL)

**KONEVODSTVO I KONNYI SPORT [HORSE BREEDING
AND EQUINE SPORTS].** Organ of Ministerstvo sel'-
skogo khoziaistva SSSR [Ministry of Agriculture of
the U. S. S. R.]. Moscow, vol. 33(108), no. 1, Jan.
1963.
(DNAL)

**KROLKOVOVODSTVO I ZVEROVODSTVO [RABBIT BREED-
ING AND FUR FARMING].** Issued by Ministerstvo
sel'skogo khoziaistva SSSR [Ministry of Agriculture
of the U. S. S. R.]. Moscow, vol. 8, no. 1, Jan. 1963.
(DNAL)

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY].
Issued by Gosudarstvennyi komitet Sovetskoi Ministrov
SSSR po koordinatsii nauchno-issledovatel'skikh rabot
and Tsentral'noe pravlenie Nauchno-tekhnicheskogo
obshchestva pishchevoi promyshlennosti [State Com-
mittee of the Council of Ministers of the U. S. S. R.
for the Coordination of Research and the Central Ad-
ministration of the Scientific Technological Society
of the Food Industry]. Moscow, vol. 23, nos. 1-2,
Jan.-Feb. 1963.

**OKHOTA I OKHOTNICH'E KHOZIAISTVO [HUNTING
AND GAME MANAGEMENT].** Issued by Ministerstvo
sel'skogo khoziaistva SSSR [Ministry of Agriculture
of the U. S. S. R.]. Moscow, vol. 9, no. 2, Feb. 1963.

OVTSEVODSTVO [SHEEP BREEDING]. Issued by Mini-
sterstvo sel'skogo khoziaistva SSSR [Ministry of
Agriculture of the U. S. S. R.]. Moscow, vol. 9, no. 1,
Jan. 1963.
(DNAL)

PCHELOVODSTVO [APICULTURE]. Organ of Minister-
stvo sel'skogo khoziaistva SSSR [Ministry of Agricul-
ture of the U. S. S. R.]. Moscow, vol. 40, nos. 1-2,
Jan.-Feb. 1963.
(DNAL)

**POLTAVA. NAUCHNO-ISSLEDOVATEL'SKH INSTITUT
SVINOVODSTVA. Nauchnye trudy [SCIENTIFIC RE-
SEARCH INSTITUTE OF SWINE BREEDING. Studies].**
Vol. 22, 1962.

PTITSEVODSTVO [POULTRY RAISING]. Issued by Mi-
nisterstvo sel'skogo khoziaistva SSSR [Ministry of
Agriculture of the U. S. S. R.]. Moscow, nos. 10-12,
Oct.-Dec. 1962; no. 1, Jan. 1963.
(DNAL)

**RYBOVODSTVO I RYBOLOVSTVO [PISCICULTURE AND
FISHING].** Issued by Ministerstvo sel'skogo khozi-
astva SSSR [Ministry of Agriculture of the U. S. S. R.].
Moscow, vol. 8, no. 1, Jan.-Feb. 1963.

**SEL'SKOE KHOZIAISTVO ZA RUDEZHOM; ZHIVOTNO-
VODSTVO [AGRICULTURE ABROAD; ANIMAL HUS-
BANDRY].** Issued by Ministerstvo sel'skogo khozi-
astva SSSR [Ministry of Agriculture of the U. S. S. R.].
Moscow, vol. 8, no. 12, 1962.
(DNAL)

**SOTSIALISTICHNE TVARYNNYSTVO [SOCIALIST
ANIMAL HUSBANDRY].** Organ of Ministerstvo
sil's'koho hospodarstva URSS [Ministry of Agriculture
of the Ukrainian S. S. R.]. Kiev, vol. 34, no. 8, Aug.
1962.
(DNAL)

SVINOVODSTVO [SWINE BREEDING]. Issued by Mini-
sterstvo sel'skogo khoziaistva SSSR [Ministry of
Agriculture of the U. S. S. R.]. Moscow, vol. 16,
nos. 7, 12, July-Dec. 1962; vol. 17, no. 1, Jan. 1963.
(DNAL)

c. FORESTRY

KHIMIKI TSENTRAL'NYI NAUCHNO-ISSEDOVATELSKII INSTITUT MEKHANIZATSII I ENERGETIKI LESNOI PROMYSHLENNOSTI [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF MECHANIZATION AND USE OF POWER IN LUMBERING. Transactions]. No. 34-35, 1962.

LESNAIA PROMYSHLENNOST' [FOREST INDUSTRIES]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po lesnoi, tsellulozno-bumazhnoi, derevobrabatyval'shchei promyshlennosti i lesnomu khoziaistvu and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva lesnoi promyshlennosti i lesnogo khoziaistva [State Committee of the Council of Ministers of the U.S.S.R. for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 40, nos. 10-12, Oct.-Dec. 1962.

LESNOE KHOZIAISTVO [FORESTRY]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po lesnoi, tsellulozno-bumazhnoi, derevobrabatyval'shchei promyshlennosti i lesnomu khoziaistvu [State Committee of the Council of Ministers of the U.S.S.R. for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry]. Moscow, vol. 15, no. 11, Nov. 1962.

d. PLANT CULTURE

KHLOPKOVODSTVO [COTTON GROWING]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 12, nos. 11-12, Nov.-Dec. 1962; vol. 13, no. 1, Jan. 1963. (DNAL)

KUKURUZA [CORN]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 5, nos. 1-10, 12, 1960; vol. 6, nos. 10-12, 1961; vol. 7, nos. 2-9, 11-12, 1962. (DNAL)

LEN I KONOPLIA [FLAX AND HEMP]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8(25), no. 1, Jan. 1963. (DNAL)

SADOVODSTVO [HORTICULTURE]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 100, no. 11, Nov. 1962. (DNAL)

SAKHARNAIA SVEKLA [SUGAR BEETS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8, no. 1, Jan. 1963. (DNAL)

SUBTROPICHESKIE KULTURY [SUBTROPICAL CROPS]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut chaya i subtropicheskikh kul'tur [All-Union Scientific Research Institute of Tea and Subtropical Crops]. Makhadarzo, no. 1, 1962.

TIFLI. GHUZINSKII NAUCHNO-ISSEDOVATELSKII INSTITUT GIDROTEKHNIKI I MELIORATSII [TRUDY GEORGIAN SCIENTIFIC RESEARCH INSTITUTE OF HYDRAULIC ENGINEERING AND RECLAMATION. Transactions]. Tiflis, no. 21, 1960.

TRUDY PO PRIKLADNOI BOTANIKE, GENETIKE I SELEKTSII [PAPERS ON APPLIED BOTANY, GENETICS, AND PLANT BREEDING]. Issued by Vsesoiuznyi institut rasteniyevodstva [All-Union Institute of Plant Culture]. Leningrad, vol. 31, no. 2, 1957. (MICROFILM)

VINODELIE I VINOGRADARSTVO SSSR [VITICULTURE AND WINE MAKING IN THE U.S.S.R.]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 23, no. 1(216), 1963.

ZASHCHITA RASTENII OT VREDITELEI I BOLEZNEI [PROTECTING PLANTS AGAINST DISEASES AND PESTS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 2, no. 6, Nov.-Dec. 1962; vol. 4, no. 5, Sep.-Oct. 1959; vol. 5, nos. 3, 5-7, 10-11, Mar., May-July, Oct.-Nov. 1960. (DNAL)

ZEMLEDELIE [AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 24, nos. 11-12, Nov.-Dec. 1962.

a. GENERAL

AKADEMIIA NAUK ARMIAANSKOI SSR, Eriyan, Izvestiia. Seriya tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Series in the Technological Sciences]. Eriyan, no. 4, 1961.

INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Gosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization]. Moscow, vol. 23, no. 12, 1962.

INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the White Russian S.S.R.]. Minsk, vol. 6, no. 1, Jan. 1963.

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSEDOVATELSKII INSTITUT NAUCHNOI I TEKHNIЧЕСКОI INFORMATSII [Bulletin tekhniko-ekonomicheskoi informatsii [STATE SCIENTIFIC RESEARCH INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION. Bulletin of Technical and Economic Information]. No. 12, 1962.

NOVYE KNIGI ZA RUBEZHOM. Seriya B: Tekhnika [NEW FOREIGN BOOKS. Series B: Technology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 7, no. 2, Feb. 1963.

PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF; Journal of Applied Mechanics and Technical Physics]. Issued by Sibirskoe otdelente Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2, 4-5, March-Apr., July-Oct. 1962.

RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]. Moscow, no. 51(111), 1961. Issledovaniia v oblasti temperaturnykh izmerenii [Research in the Field of Temperature Measurement]; no. 50(110), 1962. Issledovaniia v oblasti izmerenii chastoty [Research in the Field of Frequency Measurement]

SVERDLOVSK. URAL'SKII POLITEKHNIЧЕСKII INSTITUT. Trudy [URAL POLYTECHNIC INSTITUTE. Transactions]. Moscow, no. 119, 1962.

TALLINN. POLUTEHNIЧESKII INSTITUT. Toimetus. Seriya A. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Studies]. Nos. 193, 196, 1962. [In Russian]

TEKHNIKA - MOLODEZHI [TECHNOLOGY FOR YOUTH]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 30, no. 12, 1962.

VSESIOUZNYI SOVET NAUCHNO-TEKHNIЧЕСKIKH OBSHCHESTV. Nauchno-tekhnicheskoe obshchestvo SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES. Scientific Technological Societies of the U.S.S.R.]. Moscow, vol. 4, nos. 9, 11-12, Sep., Nov.-Dec. 1962.

b. AERONAUTICS

AVIATSIIA I KOSMONAVTIKA [AVIATION AND ASTRONAUTICS]. Moscow, vol. 46, no. 1, Jan. 1963.

GRAZHDANSKAIA AVIATSIIA [CIVIL AVIATION]. Issued by Glavnoe upravleniye grazhdanskogo vozdukhonno flota pri Sovete Ministrov SSSR [Main Administration of Civil Aviation, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 12, no. 2, Feb. 1965; vol. 19, nos. 9, 11, Sep., Nov. 1962.

KRYLIA RODINY [WINGS OF THE MOTHERLAND]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodel'stviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 14, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL VOZDUSHNYI TRANSPORT [JOURNAL OF ABSTRACTS: AIR TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963. [This journal is also issued in parts.]

VOPROSY RAKETNOI TEKHNIKI; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [PROBLEMS OF ROCKET ENGINEERING; Translations and Surveys of Foreign Periodical Literature]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, vol. 13, no. 1(97), 1963.

c. CHEMICAL TECHNOLOGY

***KAUCHUK I REZINA** [CRUDE AND VULCANIZED RUBBER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po khimii and Vsesoiuznoe khimicheskoe obshchestvo [State Committee of the Council of Ministers of the U.S.S.R. for Chemistry and the All-Union Chemical Society]. Moscow, vol. 21, no. 12, Dec. 1962.

KHIMICHESKIE VOLOKNA [SYNTHETIC FIBERS]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po khimii [State Committee of the Council of Ministers of the U.S.S.R. on Chemistry]. Moscow, no. 6, 1962.

KHOLODIL'NAIA TEKHNIKA [REFRIGERATION ENGINEERING]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut khoolodil'noi promyshlennosti [All-Union Scientific Research Institute of the Refrigeration Industry]. Moscow, vol. 39, no. 6, Nov.-Dec. 1962.

***KOKS I KHIMIIA** [COKE AND CHEMISTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po khimii i tsvetnoi metallurgii [State Committee of the Council of Ministers of the U.S.S.R. for Ferrous and Nonferrous Metallurgy] and others. Moscow, no. 12, 1962.

LAKOKRASOCHNYE MATERIALY I IKH PRIMENENIE [LACQUER AND PAINT MATERIALS AND THEIR USE]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po khimii [State Committee for Chemistry of the Council of Ministers of the U.S.S.R.]. Moscow, nos. 5-6, 1962.

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSEDOVATELSKII INSTITUT TSELLULOZNO-BUMAZHNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE FOR THE WOODPULP AND PAPER INDUSTRIES. Transactions]. No. 47, 1961.

MASLOBOINO-ZHIROVAIA PROMYSHLENNOST' [OILS AND FATS INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 28, no. 12, Dec. 1962.

NEFTEKHIMIIA [PETROCHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 5, Sep.-Oct. 1962.

***PLASTICHESKIE MASSY** [PLASTICS]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po khimii [State Committee for Chemistry of the Council of Ministers of the U.S.S.R.]. Moscow, nos. 11-12, 1962.

SPIRTOVAIA PROMYSHLENNOST' [DISTILLING INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 28, no. 8, 1962.

***STEKLO I KERAMIKA** [GLASS AND CERAMICS]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 19, no. 12, Dec. 1962.

d. CIVIL & CONSTRUCTION ENGINEERING

AKADEMIIA KOMMUNAL'NOGO KHOZIAISTVA. Sbornik nauchnykh rabot [ACADEMY OF COMMUNAL ECONOMY. Papers]. Moscow, no. 9, 1961. Gazosnabzheniye i teplosnabzheniye gorodov [Municipal gas and Heat Supply].

AKADEMIIA STROITEL'STVA I ARKHITECTURY SSSR. Izvestiia [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Bulletin]. Moscow, vol. 4, no. 4, 1962.

AKADEMIIA STROITEL'STVA I ARKHITECTURY SSSR. Institut po stroitel'stву, Tashkent. Sbornik nauchnykh trudov [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Institute for Construction. Papers]. Tashkent, nos. 1-2, 1961.

BULLETEM STROITEL'NOI TEKHNIKI [BULLETIN OF CONSTRUCTION ENGINEERING]. Published by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 19, no. 12, Dec. 1962.

KHLEDOPEKARNAYA I KONDITERSKAYA PROMYSHLENNOST' [BAKING AND CONFECTIONERY INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 6, no. 12, Dec. 1962.

KOZHEVENNO-OBUVNAYA PROMYSHLENNOST' [LEATHER AND FOOTWEAR INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravleniye NTO legkoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research and the Central Administration of the Scientific Technological Society of Light Industry]. Leningrad, vol. 4, no. 12, Dec. 1962.

LENINGRAD, GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATELSKII KERAMICHESKII INSTITUT. Trudy [STATE INSTITUTE OF SCIENTIFIC RESEARCH IN CERAMICS. Transactions]. No. 1, 1960.

LENINGRAD, LESOTEKHNIЧЕСКАЯ АКАДЕМИЯ. Trudy [ACADEMY OF WOOD TECHNOLOGY. Transactions]. No. 94, 1962.

MESTNAYA PROMYSHLENNOST' I KHUZOZHESTVENNYE PROMYSLY [LOCAL INDUSTRY AND ART TRADES]. Issued by Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam mestnoi promyshlennosti i khudozhestvennykh promyslov and TsK Profsojuza rabochikh mestnoi promyshlennosti i kommunalnogo khozaystva [State Committee of the Council of Ministers of the U.S.S.R. for Local Industry and Art Trades and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 3, no. 11, Nov. 1962.

MIASNAYA INDUSTRIYA SSSR [MEAT INDUSTRY OF THE U.S.S.R.]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravleniye NTO pishchevoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. on the Coordination of Research and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 33, no. 6, 1962.

MOLDAVSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT PISHCHEVOI PROMYSHLENNOSTI. Trudy [MOLDAVIAN SCIENTIFIC RESEARCH INSTITUTE OF THE FOOD INDUSTRY. Transactions]. Kishinev, vol. 1, 1961.

MOSCOW, TSENTRAL'NYI NAUCHNO-ISSLEDOVATELSKII INSTITUT KHLOPCHATOBUZMAZHNOI PROMYSHLENNOSTI. Nauchno-issledovatel'skie trudy za 1958 g. [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE COTTON INDUSTRY. Scientific Research Papers for 1958]. Moscow, 1960.

MUKOMOL'NO-ELEVATORNAYA PROMYSHLENNOST' [FLOUR MILLING AND GRAIN STORAGE]. Organ of Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee for Procurement of the Council of Ministers of the U.S.S.R.]. Moscow, vol. 28, nos. 10, 12, Oct., Dec. 1962.

OBSHCHESTVENNOE PITANIE [PUBLIC FOOD SERVICE]. Issued by Ministerstvo torgovli RSFSR [Ministry of Commerce of the U.S.S.R.]. Moscow, nos. 11-12, Nov.-Dec. 1962.

REFERATIVNYI ZHURNAL: LEGKAYA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963. [This journal is also issued in parts.]

***SVAROCNOE PROIZVODSTVO [WELDING PRACTICE].** Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. on the Coordination of Research] and others. Moscow, no. 7(307), July 1962.

TEKSTIL'NAYA PROMYSHLENNOST' [TEXTILE INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. on Coordination of Research and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, vol. 22, no. 12, Dec. 1962.

ZHURNAL MOD [FASHION MAGAZINE]. Issued by Vsesoiuznyi institut asserimentov izdelii legkoi promyshlennosti i kul'tury odevzdy [All-Union Institute of Manufactures and Fashions]. Moscow, vol. 18, no. 4(70), Spring 1963.

g. MECHANICAL ENGINEERING

AKADEMIYA NAUK KAZAKHSSKOI SSR, Alma-Ata. Izvestiya. Seriya energeticheskaya [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Power Series]. Alma-Ata, no. 2(22), 1962.

AVTOMOBIL'NAYA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniyu [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture]. Moscow, vol. 28, nos. 11-12, Nov.-Dec. 1962; vol. 29, no. 1, Jan. 1963.

ELEKTRICHESKAYA I TEPOVOZNAIA TIAGA [ELECTRIC AND DIESEL LOCOMOTIVE TRACTION]. Organ of Ministerstvo putei soobshcheniya SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 6, no. 11(71), Nov. 1962.

ENERGOMASHINOSTROENIE [POWER MACHINERY CONSTRUCTION]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniyu [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture]. Moscow, vol. 8, nos. 11-12, Nov.-Dec. 1962.

INZHENERNYI ZHURNAL [ENGINEERING JOURNAL]. Organ of Otdeleniye tekhnicheskikh nauk i Institut mekhaniki Akademii nauk SSSR [Department of Technological Sciences and the Institute of Mechanics of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 4, 1962.

KUZNECHNO-SHTAMPOVOCHNOE PROIZVODSTVO [FORGING AND STAMPING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniyu and Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture and the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 4, no. 12, Dec. 1962.

MASHINOSTROENIE [MACHINERY MANUFACTURE]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. on the Coordination of Research]. Kiev, no. 5, Sep.-Oct. 1962.

MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 12, Dec. 1962.

MEKHANIKAI: periodicheskii sbornik perevodov inostrannykh statei [MECHANICS: Translations of Foreign Articles]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, vol. 13, no. 5(76), 1962.

MEKHANIZATSIYA I AVTOMATIZATSIYA PROIZVODSTVA [MECHANIZATION AND AUTOMATION OF PRODUCTION]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniyu [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture]. Moscow, vol. 16, no. 12, Dec. 1962.

MEKHANIZATSIYA I AVTOMATIZATSIYA V GORNOI PROMYSHLENNOSTI [MECHANIZATION AND AUTOMATION IN MINING]. Issued by Institut gornogo dela Akademii nauk SSSR [Institute of Mining of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1962.

MOSCOW, GOSUDARSTVENNYI PROEKTNYI INSTITUT "PROEKTGIDROMEKHANIZATSIYA." Bulletin tekhnicheskoi informatsii [STATE INSTITUTE FOR THE DESIGN OF HYDRAULIC MACHINERY. Bulletin of Technical Information]. No. 1(1), 1962.

MOSCOW, VSESOUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Vestnik [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Journal]. Vol. 21, no. 8, 1962.

***PRIBOROSTROENIE [INSTRUMENT MANUFACTURE].** Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniyu and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva priborostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture and the Central Administration of the Scientific Technological Society of the Instrument Industry]. Moscow, no. 12, Dec. 1962.

PROBLEMY PROCHNOSTI V MASHINOSTROENII [PROBLEMS OF STRENGTH OF MATERIALS IN MACHINERY MANUFACTURE]. Issued by Institut mashinovedeniya Akademii nauk SSSR [Institute of Mechanical Engineering of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, 1962.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963. [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL. OTDEL'NYI VYPUSK 31: VZAIMODEYSTVIE RAZNYKH VIDOV TRANSPORTA I KONTEINERNYE PEREVOZKI [JOURNAL OF ABSTRACTS. SEPARATE ISSUE 31: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL. OTDEL'NYI VYPUSK 33: KOMMUNAL'NOE, BYTOVOE I TORGOVOE ODOBUDOVANIE [JOURNAL OF ABSTRACTS. SEPARATE ISSUE 33: COMMUNAL, HOUSEHOLD, AND COMMERCIAL EQUIPMENT]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL. OTDEL'NYI VYPUSK 44: TRAKTOR I SEL'SKOKHOZIASTVENNYE MASHINY [JOURNAL OF ABSTRACTS. SEPARATE ISSUE 44: TRACTORS AND AGRICULTURAL MACHINERY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL. OTDEL'NYI VYPUSK 45: TRUBOPROVODNYI TRANSPORT [JOURNAL OF ABSTRACTS. SEPARATE ISSUE 45: PIPELINE TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL: PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963. [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS: RAILROAD TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963. [This journal is also issued in parts.]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshekh uchebnykh zavedeni; mashinostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Machine Manufacture]. Moscow, no. 7, 1962.

***STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS].** Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniyu and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 33, no. 12, Dec. 1962.

STROITEL'NYE I DOROZHNYE MASHINY [ROAD AND CONSTRUCTION MACHINERY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniyu [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture]. Moscow, vol. 7, nos. 11-12, Nov.-Dec. 1962.

*TEPLOENERGEIYA [HEAT ENGINEERING]. Organ of Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, vol. 9, no. 12, Dec. 1962; vol. 10, no. 1, Jan. 1963.

VESTNIK MASHINOSTROENIYA [MACHINE BUILDING REVIEW]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research] and others. Moscow, vol. 42, no. 12, Dec. 1962.

VOPROSY MEKHANIKI REAL'NOGO TVERDOGO TELA [PROBLEMS OF THE MECHANICS OF THE REAL SOLID BODY]. Issued by Institut mashinovedeniya i avtomatiki Akademii nauk Ukrainy SSR [Institute of Mechanical Engineering and Automatic Control of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 1, 1962.

ZA BEZOPASNOST' DVIZHENIYA [FOR TRAFFIC SAFETY]. Issued by Otdel RUD i GAI UVD Ispolkoma Mosgorsovet [Traffic Department and the State Automobile Inspection Agency of the Administration of Internal Affairs of the Executive Committee of the Moscow City Soviet]. Moscow, vol. 5, no. 12(66), Dec. 1962.

ZA RULEM [AT THE WHEEL]. Issued by Vsesoluznoe dobrovol'noe obshchestvo sokodistviya armii, aviatzii i floti [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 20, no. 12, Dec. 1962; vol. 21, no. 1, Jan. 1963.

ZHELEZNODOROZHNIY TRANSPORT [RAILROAD TRANSPORTATION]. Organ of Ministerstvo putей soobshcheniya SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 44, no. 12, Dec. 1962.

h. MINING & METALLURGY

*AKADEMIYA NAUK SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i toplivo [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Department of Technological Sciences. Metallurgy and Fuel]. Moscow, no. 6, Nov.-Dec. 1962.

AKADEMIYA NAUK URSS. Kiev. Institut geologii ko-rnykh kopalyu, Lvov. Trudy [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of the Geology of Mineral Deposits. Transactions]. Kiev, vol. 5, 1962.

AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO [AZERBAIJAN PETROLEUM INDUSTRY]. Organ of Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR i Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Economic Council of the Azerbaijan S.S.R. and the State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research]. Baku, vol. 41, nos. 8(432), 8(434), June, Aug. 1962.

*GEOLOGIYA NEFTI I GAZA [THE GEOLOGY OF PETROLEUM AND GAS]. Organ of Ministerstvo geologii i okhrany podr SSSR i Glavnoe upravleniye gazovoi promyshlennosti pri Sovete Ministrov SSSR [The Ministry of Geology and the Conservation of Mineral Resources of the U.S.S.R. and the Main Administration of the Gas Industry, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 7, no. 1, Jan. 1963.

GORNYY ZHURNAL [MINING JOURNAL]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po chernoi i tsvetnoi metallurgii [State Committee of the Council of Ministers of the U.S.S.R. for Ferrous and Nonferrous Metallurgy] and others. Moscow, no. 5, May 1962; no. 1, Jan. 1963.

KIEV. GOSUDARSTVENNYI NAUCHNO-ISSEDOVATEL'SKIY I PROEKTYNIY INSTITUT UGOL'NOI, RUDNOI, NEFTIANOI I GAZOVOI PROMYSHLENNOSTI "UKRNIIPROEKT." Nauchnye zapiski [STATE SCIENTIFIC RESEARCH AND PLANNING INSTITUTE FOR THE COAL, ORE EXTRACTION, PETROLEUM, AND GAS INDUSTRIES "UKRNIIPROEKT." Studies]. No. 8, 1962.

*METALLOVEDENIE I TERMICHESKAYA OBRABOTKA METALLOV [METALS AND HEAT TREATMENT OF METALS]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniyu i Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no. 12, Dec. 1962.

*METALLURG [METALLURGIST]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po chernoi i tsvetnoi metallurgii [State Committee of the Council of Ministers of the U.S.S.R. for Ferrous and Nonferrous Metallurgy] and others. Moscow, vol. 8, no. 1, Jan. 1963.

METALLURGICHESKAYA I GORNORUDNAYA PROMYSHLENNOST' [METALLURGICAL, MINING, AND ORE-DRESSING INDUSTRIES]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainy SSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, no. 5(17), Sep.-Oct. 1962.

MOSCOW. INSTITUT GORNOGO DELA. Nauchnye soobshcheniya [INSTITUTE OF MINING. Scientific Reports]. Vol. 14, 1962.

MOSCOW. INSTITUT STALI I SPLAVOV. Sbornik [STEEL AND ALLOYS INSTITUTE. Papers]. No. 40, 1962.

*OGNEUPORY [REFRACTORIES]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po chernoi i tsvetnoi metallurgii [State Committee of the Council of Ministers of the U.S.S.R. for Ferrous and Nonferrous Metallurgy] and others. Moscow, vol. 27, no. 12, 1962; vol. 28, no. 1, 1963.

PROMYSLOVAYA GEOFIZIKA [MINING GEOPHYSICS]. Moscow, no. 4, 1962. [Articles translated from foreign-language periodicals]

REFERATIVNIYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS: MINING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

*REFERATIVNIYI ZHURNAL: METALLURGIYA [JOURNAL OF ABSTRACTS: METALLURGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; chernaya metallurgiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]. Moscow, vol. 6, no. 12, 1962.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; geologiya i razvedka [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geology and Prospecting]. Moscow, vol. 6, nos. 9-10, Sep.-Oct. 1962.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]. Moscow, vol. 6, no. 4, 1962.

*STAL' [STEEL]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po chernoi i tsvetnoi metallurgii [State Committee of the Council of Ministers of the U.S.S.R. for Ferrous and Nonferrous Metallurgy] and others. Moscow, vol. 22, no. 12, Dec. 1962.

STROITEL'STVO TRUBOPROVODOV [PIPELINE CONSTRUCTION]. Issued by Glavnoe upravleniye gazovoi promyshlennosti pri Sovete Ministrov SSSR [Main Administration of the Gas Industry, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 7, no. 12, Dec. 1962.

SVERDLOVSK. VOSTOCHNIY INSTITUT OGNEUPOROV. Trudy [EASTERN INSTITUTE OF REFRACTORIES. Transactions]. No. 2, 1960.

SVERDLOVSK. VSESOLUZHNIY NAUCHNO-ISSEDOVATEL'SKIY INSTITUT METALLURGICHESKOI TEPLOTEKHNIKI. Sbornik nauchnykh trudov [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF METALLURGICAL HEAT BALANCE ENGINEERING. Papers]. No. 9, 1962.

TITAN I EGO SPLAVY [TITANIUM AND ITS ALLOYS]. Issued by Institut metallurgii Akademii nauk SSSR [Institute of Metallurgy of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, 1962.

TORFIANAYA PROMYSHLENNOST' [PEAT INDUSTRY]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po toplivnoi promyshlennosti i Gosudarstvennyi komitet Soveta Ministrov RSFSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. for the Fuel Industry and the State Committee of the Council of Ministers of the R.S.F.S.R. for the Coordination of Research]. Moscow, vol. 39, no. 8, 1962.

*TSVETNYE METALLY [NONFERROUS METALS]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po chernoi i tsvetnoi metallurgii [State Committee of the Council of Ministers of the U.S.S.R. for Ferrous and Nonferrous Metallurgy] and others. Moscow, vol. 35, no. 9, Sep. 1962.

*ZAVODSKAYA LABORATORIYA [THE FACTORY LABORATORY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po chernoi i tsvetnoi metallurgii i Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. for Ferrous and Nonferrous Metallurgy and the State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research]. Moscow, vol. 28, no. 12, 1962.

17. MILITARY & NAVAL SCIENCES

a. MILITARY SCIENCE

BRATSTVO KOLYSHNIKOV VOIAKIV PERSHOI UKRAINSKOI DYVIZII UKRAINS'KOI NARODNOI ARMII. Visti [BROTHERHOOD OF FORMER SOLDIERS OF THE FIRST UKRAINIAN DIVISION OF THE UKRAINIAN NATIONAL ARMY. News]. Munich, vol. 13, no. 108, Dec. 1962.

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravleniye Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 3, no. 1, Jan. 1963.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravleniye Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 45, nos. 1(973)-2(974), Jan. 1963.

VESTNIK PEROVOPKHODNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravleniye Kaliforniiskogo obshchestva uchastnikov 1-go Kulanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Cuban Campaign]. Los Angeles, nos. 5-6, Feb.-March 1962.

VOENNYE ZNANIYA [MILITARY KNOWLEDGE]. Organ of Vsesoluznoe dobrovol'noe obshchestvo sokodistviya armii, aviatzii i floti [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 38, no. 1, Jan. 1963.

b. NAVAL SCIENCE

ASSOCIATION OF RUSSIAN IMPERIAL NAVAL OFFICERS IN AMERICA, New York. [Bulletin]. OISHCHESTVO OFITSEROV ROSSISKAGO IMPERATORSKAGO FLOTA V AMERIKE. Bulletin. New York, nos. 1(97), 3(99), Apr., Dec. 1962.

LENINGRAD. TSENTRAL'NIY NAUCHNO-ISSEDOVATEL'SKIY INSTITUT MORSKOGO FLOTA. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Transactions]. Vol. 8, nos. 42, 44, 1962.

MORSKOI SBOENIK; zhurnal Voenno-Morskogo Flota Soluza SSR [NAVAL REVIEW; Magazine of the Soviet Navy]. Vol. 46(116), no. 1, Jan. 1963.

REFERATIVNIYI ZHURNAL: VODNIY TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963. [This journal is also issued in parts.]

SUDOSTROENIE [SHIPBUILDING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po sudostroeniyu i Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Shipbuilding and the Scientific Technological Society of the Shipbuilding Industry]. Leningrad, vol. 28, no. 10(240), Oct. 1962.

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agrobiologiya (15a)	Agrobiologiya [Agrobiology]	Dokl. TSKHA (15a)	Moscow, Moskovskaya sol'skokhozyaystvennaya akademiya im. Timiriazeva, Doklady [Timiriazev Agricultural Academy of Moscow, Reports]
Apt. delo (14f)	Apteknoe delo [Pharmacy]	Dos. such. fiz. (13f)	† Dosigabennaya suchannol fizyky [Achievements of Modern Physics]
Arkhitekt. SSSR (10b)	Arkhitektura SSSR [Architecture of the U.S.S.R.]	Doshk. vosp. (8a)	Doshkol'noe vospitanie [Preschool Education]
Astron. tsir. (13b)	Astronomicheskii tsirkular [Astronomical Circular]	Doshk. vykh. (8a)	Doshkol'noe vykhovaniya [Preschool Education]
Astron. zhur. (13b)	Astronomicheskii zhurnal [Journal of Astronomy]	Ekonom. Rad. Ukr. (5b)	Ekonomika Radians'koi Ukrainy [Economics of the Soviet Ukraine]
Atom. energ. (16e)	Atomnaya energiya [Atomic Energy]	Ekonom. sel'khoz. (5b)	Ekonomika sel'skogo khozyaystva [Economics of Agriculture]
Av. i kosm. (16b)	Aviatsiya i kosmonavtika [Aviation and Astronautics]	Ekonom. stroit. (5b)	Ekonomika stroitel'stva [Economics of Construction]
Avi. prom. (18g)	Avtomobil'naya promyshlennost' [Automobile Industry]	Elek. i tepl. tiaga (16g)	Elektricheskaya i toplivovoznaya tiaga [Electric and Diesel Locomotive Traction]
Avtom. i prib. (16e)	Avtomatika i priborostroenie [Automatic Control and Instrument Manufacture]	Elek. sta. (16e)	Elektricheskie stantsii [Electric Power Stations]
Avtom. i telem. (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]	Elektrosviaz' (16a)	Elektrosviaz' [Telecommunication]
Avtomatyka (16e)	Avtomatika [Automatic Control]	Energetik (16a)	Energetika [Electric Power Technology]
Az. i Afr. seg. (1b)	Azija i Afrika segodnya [Asia and Africa Today]	Energomashino-stroenie (16g)	Energomashinoiroenie [Power Machinery Construction]
Azerb. nef. khoz. (18h)	Azerbaidzhanское neftianoe khozyaystvo [Azerbaijan Petroleum Industry]	Ent. oboz. (13c)	Entomologicheskoe obozrenie [Entomological Review]
Bibl. sov. bibl. (2a)	Vsesoyuznaya knizhnaya palata. Bibliografiya sovetkoi bibliografi [All-Union Book Chamber, Bibliography of Soviet Bibliography]	Fin. SSSR (5c)	Finansy SSSR [Finance of the U.S.S.R.]
Bibliotekar' (2b)	Bibliotekar' [The Librarian]	Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]
Biokhim. pl. i ovoshch. (13c)	Akademiya nauk SSSR. Institut biokhimii. Biokhimiya plodov i ovoshchei [Academy of Sciences of the U.S.S.R. Institute of Biochemistry. Biochemistry of Fruit and Vegetables]	Geol. nef. i gaza (10h)	Geologiya nefli i gaza [The Geology of Petroleum and Gas]
Blut. Glav. bot. sada (13c)	Moscow, Glavnyi botanicheskii sad. Biulleten' [Main Botanical Garden, Bulletin]	Geomag. i aer. (13f)	Geomagnetizm i aeronomiya [Geomagnetism and Aeronomy]
Biul. Ispol. kom. Mosk. gor. sov. (8)	Moscow, Ispolnitel'nyi komitet. Biulleten' [Executive Committee, Bulletin]	Gidrot. stroit. (16d)	Gidrotokhnicheskoe stroitel'stvo [Hydrotechnical Construction]
Biul. nauch. inform. i trud i zar. plata (5d)	Biulleten' nauchnoi informatsii: trud i zarabotnaya plata [Bulletin of Scientific Information: Labor and Wages]	Gor. khoz. Mosk. (18d)	Gorodskoe khozyaystvo Moskvy [Municipal Economy of Moscow]
Biul. stroit. tekhn. (16d)	Biulleten' stroitel'noi tekhniki [Bulletin of Construction Engineering]	Gor. zhur. (16h)	Gornyi zhurnal [Mining Journal]
Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. (16a)	Moscow, Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii. Biulleten' tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute for Scientific and Technical Information, Bulletin of Technical and Economic Information]	Grazhd. av. (18b)	Grazhdanskaya aviatsiya [Civil Aviation]
Biul. tekhn. inform. inst. "Proekt-gidromekh." (16g)	Moscow, Gosudarstvennyi proektnyi institut "Proekt-gidromekhanizatsiya." Biulleten' tekhnicheskoi informatsii [State Institute for the Design of Hydraulic Machinery, Bulletin of Technical Information]	Inform. bibl.; Khir. (14h)	† Akademiya meditsinskikh nauk SSSR, Moscow. Oldel nauchnoi meditsinskoi informatsii. Informatsionnaya bibliografiya: Khirurgiya [Academy of Medical Sciences of the U.S.S.R. Department of Scientific Medical Information, Bibliography, Surgery]
Biul. Verkh. Suda RSFSR (7)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court, Bulletin]	Inform. bibl.; Vnutr. bol. (14a)	† Akademiya meditsinskikh nauk SSSR, Moscow. Oldel nauchnoi meditsinskoi informatsii. Informatsionnaya bibliografiya: Vnutrennie bolezni [Academy of Medical Sciences of the U.S.S.R. Department of Scientific Medical Information, Bibliography, Internal Diseases]
Biul. Vulk. sta. (12c)	Akademiya nauk SSSR. Kamchatskaya vulkanologicheskaya stantsiya. Biulleten' Vulkanologicheskoi stantsii [Academy of Sciences of the U.S.S.R. Kamchatka Volcanic Station, Bulletin of the Volcanic Station]	Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 1 (2a)	Moscow, Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 1: Fiziko-matematicheskoe, khimicheskoe i geologo-geograficheskoe nauki; tekhnika i tekhnicheskoe nauki [Public Library, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological and Geographical Sciences; Technology and Technological Sciences]
Bot. zhur. (13c)	Botanicheskii zhurnal [Botanical Journal]	Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 2 (2a)	Moscow, Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 2: Biologicheskoe, meditsinskoe i sel'skokhozyaystvennyye nauki [Public Library, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]
Bukh. uch. (5a)	Bukhgalterskii uch. [Accounting]	Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 3 (2a)	Moscow, Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 3: Obshchestvennyye nauki, khudozhestvennaya literatura, lekussivo [Public Library, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]
Bum. i der. prom. (16f)	Bumazhnaya i derevoobrabatывayushchaya promyshlennost' [Paper and Woodworking Industry]	Inform. sbor. p. rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu (12b)	Moscow, Universitet. Geograficheskii fakul'tet. Informatsionnyi sbornik o rabotakh po Mezhdunarodnomu geofizicheskomu godu [University, Geographical Faculty, Information Bulletin on the Work for the International Geophysical Year]
Bum. prom. (16f)	Bumazhnaya promyshlennost' [Paper Industry]		
Den. i kred. (5c)	Den'gi i kredit [Money and Credit]		
Der. prom. (16f)	Derevoobrabatывayushchaya promyshlennost' [Woodworking Industry]		
Dokl. AN SSSR (13a)	Akademiya nauk SSSR. Doklady [Academy of Sciences of the U.S.S.R. Reports]		
Dokl. APN (8a)	Akademiya pedagogicheskikh nauk RSFSR, Moscow. Doklady [Academy of Pedagogical Sciences of the R.S.F.S.R. Reports]		

Inform. sbor. TSNIIMF. Mor. pravo i prak. (7)	Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Morskoe pravo i praktika [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Maritime Law and Practice]	Izv. vys. ucheb. zav.; fiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Physics]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spisokov i kartotek, sostavlenykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]	Izv. vys. ucheb. zav.; geol. i razv. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; geologiya i razvedka [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geology and Prospecting]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]	Izv. vys. ucheb. zav.; khim. i khim. tekhn. (13d)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; khimiya i khimicheskaya tekhnologiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Chemistry and Chemical Technology]
Inzh. -fiz. zhur. (16a)	Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]	Izv. vys. ucheb. zav.; mashinostr. (16g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; mashinostroyeniye [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Machine Building]
Inzh. zhur. (16g)	Inzhenernyi zhurnal [Engineering Journal]	Izv. vys. ucheb. zav.; neft' i gaz (10h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; neft' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]
Isk. kino (8a)	Izobrazheniye kino [Cinema Art]	Izv. vys. ucheb. zav.; prav. (7)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; pravovedeniye [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Jurisprudence]
Ist. arkh. (4a)	Istoricheskie arkhivy [Historical Archives]	Izv. vys. ucheb. zav.; radiotekh. (10e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]
Ist. -filol. zhur. (4a)	Akademii nauk Armianskoi SSR, Erivan. Istoriko-filologicheskii zhurnal [Academy of Sciences of the Armenian S.S.R. Historical and Philological Review]	Kal. znam. i pam. dat (4a)	Kalendar' znamenatel'nykh i pamyatnykh dat [Calendar of Significant and Memorable Dates]
IUn. nat. (13c)	IUnyi naturalist [Young Naturalist]	Kauch. i rez. (16c)	Kauchuk i rezina [Crude and Vulcanized Rubber]
Izv. AN Arm. SSR. Obshchestv. nauki (1a)	Akademii nauk Armianskoi SSR, Erivan. Izvestiia. Obshchestvennye nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Social Sciences]	Khar. prom. (16f)	Kharchova promyslovosti' [Food Industry]
Izv. AN Arm. SSR. Ser. tekhn. nauk (16a)	Akademii nauk Armianskoi SSR, Erivan. Izvestiia. Seriya tekhnicheskikh nauk [Academy of Sciences of the Armenian S.S.R. Bulletin. Series in the Technological Sciences]	Khim. v shkole (13d)	Khimiya v shkole [Chemistry in Schools]
Izv. AN Est. SSR. Ser. fiz. -mat. i tekhn. nauk (1a)	Eesti NSV Teaduste Akadeemia. Toimetised. Füüsikalise-matemaatiliste ja tehniliste teaduste alal. Izvestiia Akademii nauk Estonskoi SSR. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Estonian S.S.R. Bulletin. Series in the Physical, Mathematical, and Technical Sciences]	Khim. volok. (16c)	Khimicheskie volokna [Synthetic Fibers]
Izv. AN Kazakh. SSR. Ser. energ. (10g)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriya energeticheskaya [Academy of Sciences of the Kazakh S.S.R. Bulletin. Power Series]	Khleb. i kond. prom. (16f)	Khlebopekarnaya i konditerskaya promyshlennost' [Baking and Confectionery Industry]
Izv. AN Latv. SSR (1a)	Latvijas Padomju Sociālistiskās Republikas Zinatņu akadēmija. Vēstis. Izvestiia Akademii nauk Latvinskoi SSR [Academy of Sciences of the Latvian S.S.R. Bulletin]	Khol. tekhn. (16c)	Kholodil'naya tekhnika [Refrigeration Engineering]
Izv. AN Mold. SSR (1a)	Akademii nauk Moldavskoi SSR. Izvestiia [Academy of Sciences of the Moldavian S.S.R. Bulletin]	Kin. i kat. (13d)	Kinetika i kataliz [Kinetics and Catalysis]
Izv. AN SSSR. Otd. khim. nauk (13d)	Akademii nauk SSSR. Izvestiia. Otdeleniye khimicheskikh nauk [Academy of Sciences of the U.S.S.R. Bulletin. Department of Chemical Sciences]	Knizh. let. (2a)	Knizhnaya letopis' [Book Chronicle]
Izv. AN SSSR. Otd. tekhn. nauk i energ. i avtom. (16c)	Akademii nauk SSSR. Izvestiia. Otdeleniye tekhnicheskikh nauk. Energetika i avtomatika [Academy of Sciences of the U.S.S.R. Bulletin. Department of Technological Sciences. Power Engineering and Automatic Control]	Koks i khim. (16c)	Koks i khimiya [Coke and Chemistry]
Izv. AN SSSR. Otd. tekhn. nauk i topl. i topl. (16h)	Akademii nauk SSSR. Izvestiia. Otdeleniye tekhnicheskikh nauk. Metallurgiya i toplivo [Academy of Sciences of the U.S.S.R. Bulletin. Department of Technological Sciences. Metallurgy and Fuel]	Koil. zhur. (13d)	Koilednyi zhurnal [Coiled Journal]
Izv. AN SSSR. Ser. biol. (13c)	Akademii nauk SSSR. Izvestiia. Seriya biologicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Biological Series]	Komm. Bel. (6)	Kommunist Belorussii [Communist of White Russia]
Izv. AN SSSR. Ser. fiz. (13f)	Akademii nauk SSSR. Izvestiia. Seriya fizicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Physical Series]	Komm. Mold. (6)	Kommunist Moldavii [Communist of Moldavia]
Izv. ASIA (16d)	Akademii stroitel'stva i arkhitektury SSSR. Izvestiia [Academy of Construction and Architecture of the U.S.S.R. Bulletin]	Komm. Uz. (6)	Kommunist Uzbekistana [Communist of Uzbekistan]
Izv. Astrofiz. inst. AN Kazakh. SSR (13b)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Astrofizicheskii institut. Izvestiia [Academy of Sciences of the Kazakh S.S.R. Astrophysical Institute. Bulletin]	Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR (15a)	Armenian S.S.R. Glavnoe upravleniye sel'skokhoziaistvennykh nauk i podgotovki kadrov. Izvestiia. Sel'skokhoziaistvennye nauki [Main Administration of Agricultural Sciences and Staff Training. Bulletin. Agricultural Sciences]	Kommunist (8)	Kommunist [Communist]
Izv. Inst. ruk. AN Gruz. SSR (2a)	Akademii nauk Gruzinskoi SSR, Tiflis. Institut rukopisni. Izvestiia [Academy of Sciences of the Georgian S.S.R. Institute of Manuscripts. Bulletin]	Komsom. zhizn' (5a)	Komsomol'skaya zhizn' [Life of Communist Youth]
Izv. Kir. fil. Vses. ob-va pochy. (15a)	Vsesoiuznoe obshchestvo pochyovedov. Kirgizskii filial. Izvestiia [All-Union Society of Soil Scientists. Kirghiz Branch. Bulletin]	Kozh. -obuv. prom. (16f)	Kozhovanno-obuvnaya promyshlennost' [Leather and Footwear Industry]
Izv. Vor. gos. ped. inst. (1a)	Voronezh. Gosudarstvennyi pedagogicheskii institut. Izvestiia [State Pedagogical Institute. Bulletin]	Krat. soob. inst. arkhool. (4b)	Akademii nauk SSSR. Institut arkhologii. Kratkie soobshcheniya o dokladakh i polevykh issledovaniyakh [Academy of Sciences of the U.S.S.R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]
Izv. Vses. geog. ob-va. (12b)	Geograficheskoe obshchestvo SSSR. Izvestiia [Geographic Society of the U.S.S.R. Bulletin]	Kristallografiya (13f)	Kristallografiya [Crystallography]
Izv. vys. ucheb. zav.; chern. met. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernaya metallurgiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]	Kryl. rod. (16b)	Kryl'ia rodiny [Wings of the Motherland]
Izv. vys. ucheb. zav.; elektromekh. (16a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]	Kul't. pros. rab. (8a)	Kul'turno-prosvetitel'naya rabota [Cultural and Educational Work]
		Kuz. -shlam. proizv. (16g)	Kuznechno-shlampovoechnoe proizvodstvo [Forging and Stamping]
		Lakokras. mat. i ikh prim. (16c)	Lakokrasochnye materialy i ikh primeneniye [Lacquer and Paint Materials and Their Use]
		Les. khoz. (16c)	Lesnoe khoziaistvo [Forestry]
		Les. prom. (16c)	Lesnaya promyshlennost' [Forest Industries]
		Let. gazet. st. (2a)	Letopis' gazetykh statei [Chronicle of Newspaper Articles]
		Let. rets. (2a)	Letopis' retsenzii [Chronicle of Reviews]
		Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]

Lit. po ped. naukam i nar. obr. (8a)	Literatura po pedagogicheskim naukam i narodnomu obrazovaniiu [Literature on the Pedagogical Sciences and Public Education]	Nauch. zap. Ukrnipro-ekta (16h)	Kiev. Gosudarstvennyi nauchno-issledovatel'skii i proektnyi institut ugol'noi, rudnoi, neflianoi i gazovoi promyshlennosti "Ukrniproekt." Nauchnye zapiski [State Scientific Research and Planning Institute for the Coal, Ore Extraction, Petroleum, and Gas Industries "Ukrniproekt." Studies]
Mash. perev. i prikl. ling. (11a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut inostrannykh iazykov. Mashinnyi perevod i prikladnaya lingvistika [Moscow State Pedagogical Institute of Foreign Languages, Machine Translation and Applied Linguistics]	Nauk. pratsi asp. UASHN (15a)	Kiev. Ukrains'ka akademiia sil's'kohospodars'kykh nauk. Naukovi pratsi aspirantiv [Ukrainian Academy of Agricultural Sciences. Graduate Student Studies]
Mashinostroenie (16g)	Mashinostroenie [Machinery Manufacture]	Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv URSS (15b)	Kiev. Ukrains'ka akademiia sil's'kohospodars'kykh nauk. Naukovo-doslidnyi instytut zemlerobstva i tvarynnytstva zakhidnykh raioniv URSS. Naukovi pratsi [Ukrainian Academy of Agricultural Sciences, Scientific Research Institute of Agriculture and Animal Husbandry of the Western Regions of the Ukrainian S. S. R. Studies]
Mashinostroitel' (16g)	Mashinostroitel' [Machine Builder]	Nauka i zhizn' (13a)	Nauka i zhizn' [Science and Life]
Masl. -zhir. prom. (16c)	Masloboino-zhironaia promyshlennost' [Oils and Fats Industry]	Nauka i zhyttia (13a)	Nauka i zhyttia [Science and Life]
Mat. i issl. po arkheol. SSSR (4b)	Materialy i issledovaniia po arkheologii SSSR [Materials and Research in the Archaeology of the U. S. S. R.]	Neftekhimiia (16c)	Neftekhimiia [Petrochemistry]
Mat. i issl. po ist. rus. lit. iaz. (11a)	Materialy i issledovaniia po istorii russkogo literaturnogo iazyka [Materials and Research on the History of the Russian Literary Language]	Nov. inostr. ekon. lit. (5b)	Novaya inostrannaya ekonomicheskaya literatura [New Foreign Economic Literature]
Mat. i issl. po rus. dial. (11a)	Materialy i issledovaniia po russkoi dialektologii [Materials and Research on Russian Dialectology]	Nov. inostr. knigi, postup. v sist. Bibl. AN SSSR (2a)	Akademiia nauk SSSR. Biblioteka. Novye inostrannye knigi, postupivshie v sistemu biblioteki [Academy of Sciences of the U. S. S. R. Library. New Foreign Books Received by the Library System]
Mat. sbor. (13e)	Matematicheskii sbornik [Mathematical Review]	Nov. inostr. lit. po filos. (3a)	Novaya inostrannaya literatura po filosofii [New Foreign Literature on Philosophy]
Mat. v shkole (13e)	Matematika v shkole [Mathematics in Schools]	Nov. inostr. lit. po ist., arkheol. i etn. (4a)	Novaya inostrannaya literatura po istorii, arkheologii i etnografii [New Foreign Literature on History, Archaeology, and Ethnography]
Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]	Nov. inostr. lit. po lit. (11b)	Novaya inostrannaya literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]
Mekh. i avtom. proizv. (16g)	Mekhanizatsiia i avtomatizatsiia proizvodstva [Mechanization and Automation of Production]	Nov. knigi (2a)	Novye knigi [New Books]
Mekh. i avtom. v gor. prom. (16g)	Mekhanizatsiia i avtomatizatsiia v gornoi promyshlennosti [Mechanization and Automation in Mining]	Nov. knigi za rub. Ser. B (16a)	Novye knigi za rubezhom, Seriya B: Tekhnika [New Foreign Books, Series B: Technology]
Mekh. i elek. sots. sel'khoz. (15a)	Mekhanizatsiia i elektrifikatsiia sotsialisticheskogo sel'skogo khoziaistva [Mechanization and Electrification of Socialist Agriculture]	Nov. lit. o nauke i nauch. -issl. rab. za rub. (2a)	Novaya literatura o nauke i nauchno-issledovatel'skoi rabote za rubezhom [New Literature on Science and Research Abroad]
Mekhanika (16g)	Mekhanika; periodicheskie sborniki perevodov inostrannykh statei [Mechanics; Translations of Foreign Articles]	Nov. lit. po Bolg. (2a)	Novaya literatura po Bolgarii [New Literature on Bulgaria]
Merzli. issl. (12b)	Merzlotnye issledovaniia [Permafrost Research]	Nov. lit. po Chekh. (2a)	Novaya literatura po Chexoslovakii [New Literature on Czechoslovakia]
Mest. prom. i khud. promys. (16f)	Mestnaya promyshlennost' i khudozhestvennye promysly [Local Industry and Art Trades]	Nov. lit. po Ger. Dem. Resp. (2a)	Novaya literatura po Germanской Демократической Республике [New Literature on the German Democratic Republic]
Met. i gornorud. prom. (16h)	Metallurgicheskaya i gornorudnaya promyshlennost' [Metallurgical, Mining, and Ore Dressing Industries]	Nov. lit. po Iug. (2a)	Novaya literatura po Iugoslavii [New Literature on Yugoslavia]
Metalloved. i term. obr. met. (16h)	Metallovedenie i termicheskaya obrabotka metallov [Metals and Heat Treatment of Metals]	Nov. lit. po Pol'. (2a)	Novaya literatura po Pol'she [New Literature on Poland]
Metallurg (16h)	Metallurg [Metallurgy]	Nov. lit. po Rum. (2a)	Novaya literatura po Rumynii [New Literature on Romania]
Meteor. i gidrol. (13f)	Meteorologiya i gidrologiya [Meteorology and Hydrology]	Nov. lit. po Veng. (2a)	Novaya literatura po Vengrii [New Literature on Hungary]
Mezhdunar. zhizn' (6)	Mezhdunarodnaya zhizn' [International Life]	Nov. sov. ekon. lit. (5b)	Novaya sovetskaya ekonomicheskaya literatura [New Soviet Economic Literature]
Mias. ind. SSSR (16f)	Miasnaya industriia SSSR [Meat Industry of the U. S. S. R.]	Nov. sov. i inostr. lit. po stran. zarub. Vost. (2a)	Novaya sovetskaya i inostrannaya literatura po stranam zarubezhnogo Vostoka [New Soviet and Foreign Literature on the Countries of the Non-Soviet East]
Mol. komm. (6)	Metodol. kommunist [The Young Communist]	Nov. sov. i inostr. lit. po vop. rel. i ateiz. (3b)	Novaya sovetskaya i inostrannaya literatura po voprosam religii i ateizma [New Soviet and Foreign Literature on the Problems of Religion and Atheism]
Mol. mira (6)	Molodezh' mira [World Youth]	Nov. sov. lit. o nauke i nauch. -issl. rab. v SSSR (2a)	Novaya sovetskaya literatura o nauke i nauchno-issledovatel'skoi rabote v SSSR [New Soviet Literature on Science and General Research in the U. S. S. R.]
Morskoi sbornik; zhurnal 'Voenno-Morskogo Flota Soluza SSR [Naval Review; Magazine of the Soviet Navy]		Nov. sov. lit. po filos. (3a)	Novaya sovetskaya literatura po filosofii [New Soviet Literature on Philosophy]
Mukomol'no-elevatornaya promyshlennost' [Flour Milling and Grain Storage]		Nov. sov. lit. po lit. (11b)	Novaya sovetskaya literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]
NTO (18a)	Vsesoiuznyi sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskoe obshchestvo SSSR [All-Union Council of Scientific Technological Societies. Scientific Technological Societies of the U. S. S. R.]	Nov. vrem. (6)	Novoe vremia [New Times]
Na stroit. Ros. (16d)	Na stroitkakh Rossii [At Russian Construction Projects]	Obshchestv. nauki v Uz. (1a)	Obshchestvennye nauki v Uzbekistane [Social Sciences in Uzbekistan]
Nach. shkola (8a)	Nachal'naya shkola [Primary School]	Obshchestv. pit. (16f)	Obshchestvennoe pitanie [Public Food Service]
Nar. osv. (8a)	Narodnaya osveta [Public Education]	Ogneupory (16h)	Ogneupory [Refractories]
Nar. khoz. Kazakh. (5b)	Narodnoe khoziaistvo Kazakhstana [The National Economy of Kazakhstan]	Ogonek (1b)	Ogonek [The Little Light]
Nar. khoz. Uzb. (5b)	Narodnoe khoziaistvo Uzbekistana [The National Economy of Uzbekistan]	Okhr. truda i sots. strakh. (5d)	Okhrana truda i sotsial'noe strakhovanie [Protection of Labor and Social Insurance]
Nar. obr. (8a)	Narodnoe obrazovanie [Public Education]	Opt. i spekt. (13f)	Optika i spektroskopiiia [Optics and Spectroscopy]
Nauch. -issl. trudy TSNIKHBi (16f)	Moscow. Tsentral'nyi nauchno-issledovatel'skii institut khlopatobumazhnoi promyshlennosti. Nauchno-issledovatel'skie trudy [Central Scientific Research Institute of the Cotton Industry. Scientific Research Papers]	Opyt rab. bibliot. s inostr. lit. (2b)	Moscow. Vsesoiuznaya gosudarstvennaya biblioteka inostrannoi literatury. Opyt raboty bibliotek s inostrannoi literaturoi [All-Union State Library of Foreign Literature. Library Practices in Working With Foreign Materials]
Nauch. -metod. zap. Sar. gos. konser. (9b)	Saratov. Gosudarstvennaya konservatoriia. Nauchno-metodicheskie zapiski [State Conservatory. Methodological Studies]	Osn., fund. i mekh. grun. (16d)	Osnovaniia, fundamenti i mekhanika grunтов [Foundations and Soil Mechanics]
Nauch. soob. IGD (16h)	Moscow. Institut gornogo dela. Nauchnye soobshcheniia [Institute of Mining. Scientific Reports]		
Nauch. trudy LTA (16f)	Leningrad. Lesotekhnicheskaya akademiia. Nauchnye trudy [Academy of Wood Technology. Studies]		
Nauch. trudy Polt. nauch. -issl. inst. svin. (15b)	Poltava. Nauchno-issledovatel'skii institut avinovodstva. Nauchnye trudy [Scientific Research Institute of Swine Breeding. Studies]		

Otv. na vop. trud. (1b)	Otveti na voprosy trudiaschikhkhia [Replies to Workers' Questions]	Ref. zhur. Otd. vyp. 36: Med. geog. (14a)	Referativnyi zhurnal. Otdel'nyi vypusk 36: Meditsinskaiia geografiia [Journal of Abstracts. Separate Issue 36: Medical Geography]
PMTF (16a)	PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF, Journal of Applied Mechanics and Technical Physics].	Ref. zhur. Otd. vyp. 44: Trakt. i sel'khoz. mash. (16g)	Referativnyi zhurnal. Otdel'nyi vypusk 44: Traktory i sel'skokhoziaistvennye mashiny [Journal of Abstracts. Separate Issue 44: Tractors and Agricultural Machinery]
Paleont. zhur. (12c)	Paleontologicheskii zhurnal [Paleontological Journal]	Ref. zhur. Otd. vyp. 45: Trub. transp. (16g)	Referativnyi zhurnal. Otdel'nyi vypusk 45: Truboprovodnyy transport [Journal of Abstracts. Separate Issue 45: Pipeline Transportation]
Part. zhizn' (6)	Partiinaiia zhizn' [Party Life]	Ref. zhur. : Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyy transport [Journal of Abstracts: Industrial Transportation]
Part. zhizn' [Uzb.] (6)	Partiinaiia zhizn' [Party Life]. Uzbekistan.	Ref. zhur. : Stroitel' arkhitekt. (16d)	Referativnyi zhurnal: Stroitel'stvo i arkhitektura [Journal of Abstracts: Construction and Architecture]
Plan. khoz. (6b)	Planovoe khoziaistvo [Planned Economy]	Ref. zhur. : Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]
Plast. massy (16c)	Plasticheskie massy [Plastics]	Ref. zhur. : Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air Transportation]
Po rad. Ukr. (1b)	Ukrains'ko tovarystvo druzhby i kul'turnoho sv'yazku z zarubizhnymy kraïnami. Po radiatsii Ukraini; foto-khronika [Ukrainian Society for Friendship and Cultural Relations with Foreign Countries. Through Soviet Ukraine; Photo Report]	Ref. zhur. : Zhesl. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]
Pochyovedenie (15a)	Pochyovedenie [Soil Science]	Russkii iazyk v shkole (11a)	Russkii iazyk v shkole [Russian Language in Schools]
Pochvy raion. Mold. i ikh rats. ispol' (15a)	Pochvy raionov Moldavii i ikh ratsional'noe ispol'zovanie [Soil Zones of Moldavia and their Efficient Use]	Sbor. inst. stal' i splav. (16h)	Moscow. Institut stal' i splavov. Sbornik [Steel and Alloys Institute. Papers]
Polit. samooobr. (6)	Politicheskoe samooobrazovanie [Political Self-Education]	Sbor. nauch. rab. AKKH (16d)	Akademiiia kommunal'nogo khoziaistva. Sbornik nauchnykh rabot [Academy of Communal Economy. Papers]
poz. delo (16d)	Pozharnoe delo [Fire Fighting]	Sbor. nauch. rab. kaf. iet. KPSS vuz. g. Khar. (6)	Sbornik nauchnykh rabot kafedri istorii KPSS vuzov g. Khar'kova [Papers by the Departments of the History of the Communist Party of the Soviet Union of Kharkov Institutions of Higher Education]
Pratsi Inst. zool. AN URSS (13c)	Akademiiia nauk URSS, Kiev. Institut zoologii. Pratsi [Academy of Sciences of the Ukrainian S.S.R. Zoological Institute. Transactions]	Sbor. nauch. trud. NI po stroit. ASIA (16d)	Akademiiia stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Tashkent. Sbornik nauchnykh trudov [Academy of Construction and Architecture of the U.S.S.R. Institute for Construction. Papers]
Priborostroenie (16g)	Priborostroenie [Instrument Manufacture]	Sbor. nauch. trud. VNIIMT (16h)	Sverdlovsk. Vsesoiuznyi nauchno-issledovatel'skii institut metallurgicheskoi teplotekhniki. Sbornik nauchnykh trudov [All-Union Scientific Research Institute of Metallurgical Heat Balance Engineering. Papers]
Prikl. mat. i mekh. (13a)	Prikladnaia matematika i mekhanika [Applied Mathematics and Mechanics]	Sbor. rab. po vop. elektromekh. (16e)	Akademiiia nauk SSSR. Institut elektromekhaniki. Sbornik rabot po voprosam elektromekhaniki [Academy of Sciences of the U.S.S.R. Institute of Electrical Machinery and Apparatus. Papers on the Problems of Electrical Machinery and Apparatus]
Priroda (13a)	Priroda [Nature]	Sbor. stud. nauch.-issl. rab. TSKHA (15a)	Moscow. Moskovskaiia sel'skokhoziaistvennaia akademiiia im. Timiriazeva. Sbornik studentcheskikh nauchno-issledovatel'skikh rabot [Timiriazev Agricultural Academy of Moscow. Student Research Papers]
Probl. pered. inform. (16e)	Problemy peredachi informatsii [Problems of the Transmission of Information]	Sbor. frud. inst. khir. AMN SSSR (14h)	Akademiiia meditsinskikh nauk SSSR, Moscow. Institut khirurgii. Sbornik trudov [Academy of Medical Sciences of the U.S.S.R. Institute of Surgery. Papers]
Probl. proch. v mashinostro. (16g)	Problemy prochnosti v mashinostroenii [Problems of Strength of Materials in Machinery Manufacture]	Sbor. trud. NIIZ Heleze-batona (16d)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut zhelezobetonnykh izdelii, stroitel'nykh i nerudnykh materialov. Sbornik trudov [State Scientific Research Institute of Reinforced Concrete Products, Building Materials, and Rock Products. Collected Papers]
Prom. geofiz. (16h)	Promyslovaia geofizika [Mining Geophysics]	Sbor. trud. ROSNIMS (16d)	Moscow. Respublikanski nauchno-issledovatel'skii institut mestnykh stroitel'nykh materialov. "Rosnims." Sbornik trudov [Republic Scientific Research Institute of Local Building Materials. Collected Papers]
Prom. stroit. i inzh. soor. (16d)	Promyshlennoe stroitel'stvo i inzhenernye sooruzheniia [Industrial Construction and Engineering Structures]	Sel'. khoz. (15a)	Sel'skoe khoziaistvo; sistemacheskii ukazatel' stat'ei v inostrannykh zhurnalakh [Agriculture; Classified Index of Articles in Foreign Periodicals]
Put' i put. khoz. (16d)	Put' i putevoe khoziaistvo [Railroad Tracks and Roadway Maintenance]	Sel'. khoz. za rub.: Zhiivotnovodstvo (15b)	Sel'skoe khoziaistvo za rubzhom: Zhiivotnovodstvo [Agriculture Abroad: Animal Husbandry]
Rab. i sial. (5d)	Rabotnitsa i sialanka [The Woman Worker and the Peasant Woman]	Sel'. stroit. (16d)	Sel'skoe stroitel'stvo [Rural Construction]
Rad. shk. (8a)	Radiatsiia i shkola [Soviet School]	Sel'. khoz. lit. SSSR (15a)	Sel'skokhoziaistvennaia literatura SSSR [Agricultural Literature of the U.S.S.R.]
Radio (16e)	Radio [Radio]	Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]
Radiokhimiia (13d)	Radiokhimiia [Radiochemistry]	Soob. GMI (10a)	Moscow. Gosudarstvennyi muzei izobrazitel'nykh iskusstv. Soobshcheniia [State Museum of Fine Arts. Reports]
Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Electronics]	Sots. obes. (5e)	Sotsial'noe obespechenie [Social Security]
Ref. sbor.: Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry]	Sots. trud (5d)	Sotsialisticheski trud [Socialist Labor]
Ref. zhur.: Astron. i geod. (13b)	Referativnyi zhurnal: Astronomiia i geodeziia [Journal of Abstracts: Astronomy and Geodesy]	Sots. zakon. (7)	Sotsialisticheskaia zakonost' [Socialist Legality]
Ref. zhur.: Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]	Sov. bibl. (2a)	Sovetskaiia bibliografiia [Soviet Bibliography]
Ref. zhur.: Biol. (13c)	Referativnyi zhurnal: Biologiia [Journal of Abstracts: Biology]	Sov. deput. trud. (6)	Sovety deputatov trudiaschikhkhia [Soviets of Workers' Deputies]
Ref. zhur.: Geofiz. (13f)	Referativnyi zhurnal: Geofizika [Journal of Abstracts: Geophysics]	Sov. etn. (12a)	Sovetskaiia etnografiia [Soviet Ethnography]
Ref. zhur.: Geog. (12b)	Referativnyi zhurnal: Geografiia [Journal of Abstracts: Geography]	Sov. foto (10a)	Sovetskoe foto [The Soviet Photograph]
Ref. zhur.: Geol. (12c)	Referativnyi zhurnal: Geologiia [Journal of Abstracts: Geology]	Sov. gos. i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Ref. zhur.: Gor. delo (16h)	Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining]		
Ref. zhur.: Leg. prom. (16f)	Referativnyi zhurnal: Legkaia promyshlennost' [Journal of Abstracts: Light Industry]		
Ref. zhur.: Mekh. (13f)	Referativnyi zhurnal: Mekhanika [Journal of Abstracts: Mechanics]		
Ref. zhur.: Mpt. (16h)	Referativnyi zhurnal: Metallurgiiia [Journal of Abstracts: Metallurgy]		
Ref. zhur. Otd. vyp. 31: Vzaïmodel'stvo raznykh vidov transporta i konteinerov peravozki [Journal of Abstracts. Separate Issue 31: Container Shipments and the Interaction of Various Types of Transportation]			
Ref. zhur. Otd. vyp. 33: Kommunal'noe, bytovoe i torgovoe oborudovanie [Journal of Abstracts. Separate Issue 33: Communal, Household, and Commercial Equipment]			

Sov. iust. (7)	Sovetskaya iustitsiya [Soviet Justice]	Trudy Bot. inst. AN Tadzh. SSR (13c)	Akademii nauk Tadzhikskoi SSR, Dushanbe, Botanicheskii institut. Trudy [Academy of Sciences of the Tajik S.S.R. Botanical Institute. Transactions]
Sov. knizh. torg. (2c)	Sovetskaya knizhnaya torgovlya [Soviet Book Trade]	Trudy FTI Turk. fil. AN SSSR (13f)	Akademii nauk SSSR, Turkmenskii filial, Ashkhabad, Fiziko-tekhnicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Turkmen Branch. Institute of Physics and Technology. Transactions]
Sov. Kras. krest (5e)	Sovetskii Krasnyi krest [Soviet Red Cross]	Trudy GIKI (16f)	Leningrad. Gosudarstvennyi nauchno-issledovatel'skii keramicheskii institut. Trudy [State Institute of Scientific Research in Ceramics. Transactions]
Sov. muz. (8b)	Sovetskaya muzyka [Soviet Music]	Trudy Gruz. NIIGIM (15d)	Tiflis. Gruzinskii nauchno-issledovatel'skii institut gidrotekhniki i melioratsii. Trudy [Georgian Scientific Research Institute of Hydraulic Engineering and Reclamation. Transactions]
Sov. pech. (11b)	Sovetskaya pechat' [Soviet Press]	Trudy IMGRE (12c)	Akademii nauk SSSR. Institut mineralogii, geokhimi i kristallografii redkikh elementov. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]
Sov. pedagog. (8a)	Sovetskaya pedagogika [Soviet Pedagogy]	Trudy Inst. biol. IAFAN SSSR (13c)	Akademii nauk SSSR. Iakutskii filial, Yakutsk. Institut biologii. Trudy [Academy of Sciences of the U.S.S.R. Yakut Branch. Institute of Biology. Transactions]
Sov. potrebn. koop. (5b)	Sovetskaya potrebitel'skaya kooperatsiya [Soviet Consumer Cooperation]	Trudy Inst. biol. UFAN SSSR (13c)	Akademii nauk SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Biology. Transactions]
Sov. profsoiuzy (5d)	Sovetskies profsoiuzy [Soviet Trade Unions]	Trudy Inst. geofiz. AN Gruz. SSR (13f)	Akademii nauk Gruzinskoi SSR, Tiflis. Institut geofiziki. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Geophysics. Transactions]
Sov. torg. (5a)	Sovetskaya torgovlya [Soviet Commerce]	Trudy Inst. geog. AN Gruz. SSR (12b)	Akademii nauk Gruzinskoi SSR, Tiflis. Institut geografii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Geography. Transactions]
Sov. voen. (17a)	Sovetskii voen. [Soviet Soldier]	Trudy Inst. geol. AN Tadzh. SSR (12c)	Akademii nauk Tadzhikskoi SSR, Dushanbe. Institut geologii. Trudy [Academy of Sciences of the Tajik S.S.R. Institute of Geology. Transactions]
Sov. kit. lit. po obshchestv. naukam (1a)	Sovremennaya kitaiskaya literatura po obshchestvennym naukam; referativnyi sbornik [Contemporary Chinese Literature on the Social Sciences; Journal of Abstracts]	Trudy Inst. geol. AN Turk. SSR (12c)	Akademii nauk Turkmenskoi SSR, Ashkhabad. Institut geologii. Trudy [Academy of Sciences of the Turkmen S.S.R. Institute of Geology. Transactions]
Spir. prom. (16c)	Spirtovala promyshlennost' [Distilling Industry]	Trudy Inst. geol. nauk AN URSS. Ser. zah. geol. (12c)	Akademii nauk URSS, Kiev. Institut geologicheskikh nauk. Trudy. Seriya zahar'noi geologii [Academy of Sciences of the Ukrainian S.S.R. Institute of Geological Sciences. Transactions. General Geology Series]
Sred. spets. obr. (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]	Trudy Inst. geol. pol. iskop. AN URSS (16b)	Akademii nauk URSS, Lvov. Trudy [Academy of Sciences of the Ukrainian S.S.R. Institute of the Geology of Mineral Deposits. Transactions]
Stal' (16h)	Stal' [Steel]	Trudy inst. Kom. stand., mer i izm. prib. (16a)	Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institute of the Committee]
Stal. i instr. (16g)	Stal' i instrument [Machine Tools and Their Cutting Tools]	Trudy Inst. merz. AN SSSR (12b)	Akademii nauk SSSR. Institut mornzlovedeniya. Trudy [Academy of Sciences of the U.S.S.R. Permafrost Institute. Transactions]
Stek. i ker. (16c)	Steklo i keramika [Glass and Ceramics]	Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR (13d)	Akademii nauk Gruzinskoi SSR, Tiflis. Institut prikladnoi khimii i elektrokhimii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Applied Chemistry and Electrochemistry. Transactions]
Stroi. i arkh. (10b)	Stroitel'stvo i arkhitektura [Construction and Architecture]	Trudy Kar. fil. AN SSSR (1a)	Akademii nauk SSSR. Karelskii filial, Petrozavodsk. Trudy [Academy of Sciences of the U.S.S.R. Karelian Branch. Transactions]
Stroi. i arkh. Leningrad (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]	Trudy Khop. gos. zap. (13c)	Khoperskii gosudarstvennyi zapovednik. Trudy [Khoper State Preserve. Transactions]
Stroi. i arkh. Mosk. (10b)	Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]	Trudy Kom. chekv. per. (12c)	Akademii nauk SSSR. Komissiya po izucheniiu chetvertnogo perioda. Trudy [Academy of Sciences of the U.S.S.R. Commission for the Study of the Quaternary Period. Transactions]
Stroi. i dor. mash. (10g)	Stroitel'nye i dorozhnye mashiny [Road and Construction Machinery]	Trudy Lab. vulk. (12c)	Akademii nauk SSSR. Laboratoriya vulkanologii. Trudy [Academy of Sciences of the U.S.S.R. Laboratory of Volcanology. Transactions]
Stroi. mat. (10d)	Stroitel'nye materialy [Building Materials]	Trudy Len. gidromet. inst. (13f)	Leningrad. Gidrometeorologicheskii institut. Trudy [Hydrometeorological Institute. Transactions]
Stroi. mekh. i rasch. soor. (16d)	Stroitel'naya mekhanika i raschet sooruzhenii [Structural Mechanics and Construction Calculations]	Trudy Len. inst. epid. i mikrobiol. (14a)	Leningrad. Leningradskii institut epidemiologii i mikrobiologii im. Pastera. Trudy [Leningrad Pasteur Institute of Epidemiology and Microbiology. Transactions]
Stroi. truboprov. (16h)	Stroitel'stvo truboprovodov [Pipeline Construction]	Trudy MNIIPP (16f)	Moldavskii nauchno-issledovatel'skii institut pishchev. promyshlennosti. Trudy [Moldavian Scientific Research Institute of the Food Industry. Transactions]
Stroitel' (16d)	Stroitel' [The Bulldozer]	Trudy NIIM (4a)	Moscow. Nauchno-issledovatel'skii institut muzeovedeniya. Trudy [Scientific Research Institute of Museum Organization. Transactions]
Subtrop. kul't. (16d)	Subtropicheskie kul'tury [Subtropical Crops]	Trudy PBI (13c)	Petrodvorets. Biologicheskii institut. Trudy [Biological Institute. Transactions]
Sudostroenie (17b)	Sudostroenie [Shipbuilding]	Trudy po prikl. bot., gen. i sel. (15d)	Trudy po prikladnoi botanike, genetike i selektsii [Papers on Applied Botany, Genetics, and Plant Breeding]
Svar. proizv. (16f)	Svarechnoe proizvodstvo [Welding Practice]	Trudy TSIP (13f)	Moscow. Tsentral'nyi institut prognozov. Trudy [Central Weather Institute. Transactions]
Svetotekhnika (16c)	Svetotekhnika [Illuminating Engineering]	Trudy TSNIIME (15c)	Khimki. Tsentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. Trudy [Central Scientific Research Institute of Mechanization and Use of Power in Lumbering. Transactions]
Svod. biul. nov. instr. knig. Ser. A (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupaivshikh v biblioteki SSSR. Seriya A: Estestvennye nauki, medicina, sel'skoe khoz. i tekhnika [Union List of New Foreign Books Received by the Libraries of the U.S.S.R. Series A: Natural Sciences, Medicine, Agriculture, Technology]		
Teatr. Moskva (8c)	Teatral'naya Moskva [Theatrical Moscow]		
Tekh. kino i telev. (9a)	Tekhnika kino i televideniya [Motion-Picture and Television Engineering]		
Tekh. mol. (16a)	Tekhnika - molodezhi [Technology for Youth]		
Tekh. v sel'sk. khoz. (16a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]		
Tekst. prom. (16f)	Tekstil'naya promyshlennost' [Textile Industry]		
Teor. i prak. fiz. kul't. (8b)	Teoriya i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]		
Teplo- i massoper. (13f)	Teplo- i massoperechenie [Heat and Mass Transfer]		
Teploenergetika (16g)	Teploenergetika [Heat Engineering]		
Titan i ego splavy (16h)	Titan i ego splavy [Titanium and Its Alloys]		
Toks. nov. prom. khim. veshch. (14a)	Toksikologiya novykh promyshlennykh khimicheskikh veshchestv [Toxicology of New Industrial Chemical Substances]		
Torf. prom. (16h)	Torfianaya promyshlennost' [Peat Industry]		
Torg. za rub. (5a)	Torgovlya za rubezhom [Trade Abroad]		
Transp. stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]		
Trudy Azerb. nauch.-issl. vet. inst. (15b)	Baku. Azerbaidzhan'skii nauchno-issledovatel'skii veterinarnyi institut. Trudy [Azerbaijani Scientific Research Veterinary Institute. Transactions]		
Trudy Belomor. biol. sta. MGU (13c)	Moscow. Universitet. Belomorskaya biologicheskaya stantsiya. Trudy [University. White Sea Biological Station. Transactions]		

Trudy TSNIIMF (17b)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut morskogo flota. Trudy [Central Scientific Research Institute of the Merchant Marine. Transactions]	Vest. mashinostr. (16g)	Vestnik mashinostroyeniia [Machine-Building Review]
Trudy Ukr. nauch.-issl. inst. eksper. endok. (14a)	Kharkov. Ukrainskii nauchno-issledovatel'skii institut eksperimental'noi endokrinologii. Trudy [Ukrainian Scientific Research Institute of Experimental Endocrinology. Transactions]	Vest. Mosk. un. Ser. 1: Mat. i mekh. (13e)	Moscow. Universitet. Vestnik. Seriya 1: Matematika, mekhanika [University. Review. Series 1: Mathematics, Mechanics]
Trudy Ural. politekh. inst. (16a)	Sverdlovsk. Ural'skii politekhnicheskii institut. Trudy [Ural Polytechnic Institute. Transactions]	Vest. Mosk. un. Ser. 2: Khim. (13d)	Moscow. Universitet. Vestnik. Seriya 2: Khimiia [University. Review. Series 2: Chemistry]
Trudy VNIGRI (12c)	Leningrad. Vsesoiuznyi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]	Vest. Mosk. un. Ser. 4: Geol. (12c)	Moscow. Universitet. Vestnik. Seriya 4: Geologiya [University. Review. Series 4: Geology]
Trudy VNIIB (16c)	Leningrad. TSentral'nyi nauchno-issledovatel'skii institut tsellulozno-bumazhnoi promyshlennosti. Trudy [Central Scientific Research Institute for the Woodpulp and Paper Industries. Transactions]	Vest. Mosk. un. Ser. 5: Geog. (12b)	Moscow. Universitet. Vestnik. Seriya 5: Geografiia [University. Review. Series 5: Geography]
Trudy Vost. inst. ognep. (16h)	Sverdlovsk. Vostochnyi institut ogneporov. Trudy [Eastern Institute of Refractories. Transactions]	Vest. Mosk. un. Ser. 6: Ist. (4a)	Moscow. Universitet. Vestnik. Seriya 6: Istoriia [University. Review. Series 6: History]
Trudy Vost.-Sib. biol. inst. SO AN SSSR (13c)	Akademii nauk SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii biologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. East Siberian Biological Institute. Transactions]	Vest. Mosk. un. Ser. 10: Pravo (7)	Moscow. Universitet. Vestnik. Seriya 10: Pravo [University. Review. Series 10: Law]
Trudy Vych. tsentra AN Gruz. SSR (13e)	Akademii nauk Gruzinskoi SSR. Tiflis. Vychislitel'nyi tsentr. Trudy [Academy of Sciences of the Georgian S.S.R. Computation Center. Transactions]	Vest. sel'khoz. nauki (15a)	Vestnik sel'khoznaistvennoi nauki [Review of Agricultural Science]
Trudy Zool. inst. (13c)	Akademii nauk SSSR. Zoologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Zoological Institute. Transactions]	Vest. sel'khoz. nauki [Kazakh.] (15a)	Vestnik sel'khoznaistvennoi nauki [Review of Agricultural Science]. Kazakhstan.
TSir. Tashk. astron. obser. (13b)	Tashkent. Astronomicheskaya observatoriia. TSirkullar [Astronomical Observatory. Circular]	Vest. stat. (5b)	Vestnik statistiki [Statistical Review]
TSvet. met. (16h)	TSvetnye metally [Nonferrous Metals]	Vest. svyazi (16e)	Vestnik svyazi [Communications Review]
Uch. zap. AGU. Geol.-geog. ser. (12c)	Baku. Azerbaidzhan'skii gosudarstvennyi universitet. Uchenye zapiski. Geologo-geograficheskaya seriya [Azerbaijan State University. Studies. Geological and Geographical Series]	Vest. TSNIi MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zhelezнодорожного транспорта. Vestnik [All-Union Scientific Research Institute of Railroad Transportation. Journal]
Uch. zap. GGU (1a)	Gorkiy. Universitet. Uchenye zapiski [University. Studies]	Vest. vya. shkoly (6a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
Uch. zap. IMO (6)	Moscow. Institut mezhdunarodnykh otnoshenii. Uchenye zapiski [Institute of International Relations. Studies]	Vest. AN BSSR. Ser. 1: Aram. i prav. (1a)	Akademii nauk BSSR, Minsk. Seriya 1: Aramatskikh nauk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series 1: the Social Sciences]
Uch. zap. Kuib. gos. ped. inst. (1a)	Kuibyshev. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]	Vest. Bot. sada AN URSR (13c)	Akademii nauk URSR, Kiev. Botanichnyi sad. Vestnik [Academy of Sciences of the Ukrainian S.S.R. Botanical Garden. Review]
Uch. zap. MGPI (1a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]	Vest. sil'skosp. nauki (16a)	Vestnik sil'skospodars'koi nauki [Review of Agricultural Science]
Uch. zap. Orekh.-Zuov. ped. inst. (1a)	Orekhovo-Zuovo. Pedagogicheskii institut. Uchenye zapiski [Pedagogical Institute. Studies]	Vod. i san. tekhn. (16d)	Vodopostavka i sanitarnaya tekhnika [Water Supply and Sanitary Engineering]
Uch. zap. Rov. gos. ped. inst. (1a)	Rovno. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]	Voen. znan. (17a)	Voennoye znanie [Military Knowledge]
Uch. zap. SGU (1a)	Saratov. Universitet. Uchenye zapiski [University. Studies]	Vokrug sveta (12b)	Vokrug sveta [Around the World]
Uch. zap. Tir. gos. ped. inst. (1a)	Tiraspol'. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]	Vop. ekon. (5b)	Voprosy ekonomiki [Problems of Economics]
Uch. zap. Volg. gos. ped. inst. (1a)	Volgograd. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]	Vop. ekon. prom. Kir. (5b)	Voprosy ekonomiki promyshlennosti Kirgizii [Problems in the Economics of the Industry of Kirghizia]
Uchet i fin. v kolhoz. i sovkh. (5b)	Uchet i finansy v kolhozakh i sovkh. [Accounting and Finance on Collective and State Farms]	Vop. fiziol. i biokhim. kul't. rast. (13c)	Voprosy fiziologii [Problems of Physiology]
Ukr. bot. zhur. (13c)	Ukrains'kii botanichnyi zhurnal [Ukrainian Botanical Journal]	Vop. fiziol. i biokhim. kul't. rast. (13c)	Voprosy fiziologii i biokhimii kul'turnykh rastenii [Problems of Physiology and Biochemistry of Plant Crops]
Ukr. fiz. zhur. (13f)	Ukrains'kii fizicheskii zhurnal [Ukrainian Physical Journal]	Vop. geog. (12b)	Voprosy geografii [Problems of Geography]
Usp. fiz. nauk (13f)	Uspеkhi fizicheskikh nauk [Progress in the Physical Sciences]	Vop. ist. (4a)	Voprosy istorii [Problems of History]
Usp. mat. nauk (13e)	Uspеkhi matematicheskikh nauk [Progress in the Mathematical Sciences]	Vop. kard. 2-go MGMI (14a)	Moscow. Vtoroi moskovskii meditsinskii institut. Voprosy kardiologii [Second Moscow Medical Institute. Problems of Cardiology]
Usp. sov. biol. (13e)	Uspеkhi sovremennoi biologii [Progress in Contemporary Biology]	Vop. kinemat. (4a)	Voprosy kinematiki [Problems in Cinema Art]
V mire knig (2a)	V mire knig [In the World of Books]	Vop. mekh. real'. tver. tela (16g)	Voprosy mekhaniki real'nogo tverdogo tela [Problems of the Mechanics of the Real Solid Body]
Ved. Verkh. Sov. RSFSR (6)	Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]	Vop. okh. mat. i det. (14b)	Voprosy okhrany materinstva i detstva [Problems of Mother and Child Care]
Ved. Verkh. Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]	Vop. psikh. (3a)	Voprosy psikhologii [Problems of Psychology]
Vest. AMN SSSR (14a)	Akademii meditsinskikh nauk SSSR, Moscow. Vestnik [Academy of Medical Sciences of the U.S.S.R. Journal]	Vop. raket. tekhn. (16b)	Voprosy raketnoi tekhniki; sbornik perevodov i obzоров inostrannoi periodicheskoi literatury [Problems of Rocket Engineering; Translations and Surveys of Foreign Periodical Literature]
Vest. AN SSSR (1a)	Akademii nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]	Vsam. prof. dvizh. (6d)	Vsamirnoye protivopolozhnoye dvizhenie [World Trade-Union Movement]
Vest. elektroprom. (16e)	Vestnik elektropromyshlennosti [Review of the Electrical Industry]	Vsam. stud. nov. (8a)	Vsamirnye studentcheskie novosti [World Student News]
Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]	Vysokom. soed. (13d)	Vysokomolekulyarnyye soedineniya [Macromolecular Compounds]
		Za bezop. dvizh. (16g)	Za bezopasnost' dvizheniya [For Traffic Safety]
		Za rul. (16g)	Za rutem [At the Wheel]
		Zarub. radioelek. (16e)	Zarubezhnaya radioelektronika [Radio Electronics Abroad]
		Zashch. rast. ot vred. i bol. (15d)	Zashchita rastenii ot vreditelei i boleznei [Protecting Plants Against Diseases and Pests]

Zav. lab. (16h)	Zavodskaya laboratoriya [The Factory Laboratory]	Zhur. eksp. i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
Zdorov'ye (14a)	Zdorov'ye [Health]	Zhur. fiz. khim. (13d)	Zhurnal fizicheskoi khimii [Journal of Physical Chemistry]
Zdrav. Bel. (14a)	Zdravookhraneniye Belorussii [Health Service of White Russia]	Zhur. mod' (16f)	Zhurnal mod [Fashion Magazine]
Zdrav. Kazakh. (14a)	Zdravookhraneniye Kazakhstana [Health Service of Kazakhstan]	Zhur. Mosk. Patr. (3b)	Orthodox Eastern Church, Russian. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]
Zdrav. Ros. Feder. (14a)	Zdravookhraneniye Rossiiskoi Federatsii [Health Service of the Russian Federation]	Zhur. ob. khim. (13d)	Zhurnal obshchei khimii [Journal of General Chemistry]
Zdravookhraneniye (14a)	Zdravookhraneniye [Health Service]	Zhur. vych. mat. i mat. fiz. (13e)	Zhurnal vychislitel'noi matematiki i matematicheskoi fiziki [Journal of Computer Mathematics and Mathematical Physics]
Zemledeliye (15d)	Zemledeliye [Agriculture]	Znamia (11b)	Znamia [The Banner]
Zheleznodorozhnyi transport (16g)	Zheleznodorozhnyi transport [Railroad Transportation]	Znan. - sila (13a)	Znanie - sila [Knowledge is Power]
Zhen. mira (5e)	Zhenshchiny mira [Women of the Whole World]	Znan. ta pratsia (13a)	Znaniya ta pratsia [Knowledge and Work]
Zhil. stol. (16d)	Zhiliishchnoe stroitel'stvo [Housing Construction]	Zool. zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]
Zher. anal. khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]		

SUBJECT INDEX TO MONOGRAPHS AND PERIODICALS

- ACTH**
Effect of ACTH on the evacuatory function of the stomach in dogs with experimental diabetes mellitus [with summary in English]. N.G. Loonoi. Trudy Ukr. nauch.-issl. inst. okhor. endok. 18:202-209 '61.
Some indices of the peripheral blood in epidemic hepatitis in children treated with ACTH. N.M. Volkova-Vasil'eva. Zdrav. Kazakh. 22 no. 7:38-41 '62.
- ABBREVIATIONS, WHITE RUSSIAN**
Compound abbreviations in the White Russian language. Z.F. Krauchanka. Vest. AN BSSR. Ser. hrann. nav. no. 4:105-105 '62.
- ABDULINO (ORENBURG PROVINCE)—COOPERATIVE SOCIETIES—AUDITING AND INSPECTION**
Main goal. E. Sudakov. Sov. potreb. koop. 6 no. 12: 38-39 D '62.
- ABERRATION**
Effect of the position of diaphragms on contrast changes in images. Miron Gal. Opt. i spekt. 13 no. 6:834-845 '62.
- ABILITY—TESTING**
Konferentsiya po problemam sposobnostei, Leningrad, 1960. [Ability problems] Problemy sposobnosti. Otv. red. V.N. Miaslovskiy. Moskva, Akad. pedagog. nauk RSFSR, 1962. 307 p. (MH)
- ABKHAZIA—OLIVE**
Problem of olive fruiting in Abkhazia [with summary in English]. B.G. Argun. Subtrop. kult. no. 1:99-102 '62.
- ABKHAZIA—THEATER**
Lakerba, M.A. [Outline history of the Abkhazian theater] Ocherki iz istorii Abkhazskogo teatral'nogo iskusstva. Sukhumi, 1962. 106 p.
- ABNORMALITIES (ANIMALS)**
Rare anomaly. L.I. Irzhak, P.N. Shubin. Priroda 52 no. 1:119 '63.
- ADRSIVE WHEELS** see Grinding wheels
- ABSCISSION (BOTANY)**
Effect of leaf fall on the wintering of woody plants. K.A. Akhmatov. Biol. Glav. bot. nauch. no. 47:100-107 '62.
Effect of pruning on the setting and shedding of fruit in apple. K.D. Trotskiy. Vsesoyuz. nauch. 5 no. 12:88-90 D '62.
- ABSORPTIOMETER**
Ultraviolet absorptiometers. M.S. Shipilov. Vest. AN SSSR 33 no. 1:60-62 Ja '63.
- ABSORPTION (PHYSIOLOGY)**
Ugolev, A.M. [Partial (contact) digestion] Pristenochnoe (kontaktnoe) pishchevarenie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 160 p.
- ABSORPTION OF SOUND**
Absorption of sound vibrations in solid binary solutions [with summary in English]. L.O. Sverhunenko. Ukr. fiz. zhur. 7 no. 5:531-538 My '62.
Effect of the addition of a third element on the absorption of sound in binary alloys [with summary in English]. L.O. Sverhunenko. Ukr. fiz. zhur. 7 no. 10: 1110-1117 O '62.
On the theory of sound absorption in semiconductors. I.A. M. Chikvashvili. Fiz. tver. tela 5 no. 1:363-364 Ja '63.
Use of ultra-acoustic methods in studying organic substances in the liquid - polycrystal transition region [with summary in English]. M.A. Gorbunov and others. Ukr. fiz. zhur. 7 no. 8:898-905 Ag '62.
- ABSORPTION SPECTRA**
Colors and absorption spectra of dyes adsorbed on light-scattering materials. A.P. Ivanov. Opt. i spekt. 13 no. 6:831-834 '62.
Separation of active and nonactive absorption in the long-wave excitation region of luminescence. I.U. T. Mazurenko. Opt. i spekt. 13 no. 6:854-865 '62.
- ABSTRACT ALGEBRA** see Algebra, Abstract
- ABSTRACTING AND INDEXING SERVICES**
Technological progress and the dissemination of technical knowledge. A.I. Mikhailov. Komm. Mold. 7 no. 11:39-40 N '62.
- ACADEMIC DECORATIONS OF HONOR** see Decorations of honor, Academic
- ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R.**
Elections in the Academy of Sciences of the Azerbaijan S.S.R. Vest. AN SSSR 33 no. 1:54-55 Ja '63.
- ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R.**
General meeting of the Academy of Sciences of the Estonian S.S.R. Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk 11 no. 4:305 '62.
- ACADEMY OF SCIENCES OF THE LATVIAN S.S.R.**
Annual meeting of the Academy of Sciences of the Latvian S.S.R. in 1961. J. Magone. Izv. AN Latv. SSR no. 4: 153-156 '61.
Decision of the annual meeting of the Academy of Sciences of the Latvian S.S.R., February 23, 1961. Izv. AN Latv. SSR no. 4:157-160 '61.
In the Presidium of the Academy of Sciences of the Latvian S.S.R. [in Latvian]. J. Magone. Izv. AN Latv. SSR no. 4:183 '61.
In the Presidium of the Academy of Sciences of the Latvian S.S.R. [in Latvian]. J. Magone. Izv. AN Latv. SSR no. 8:152 '62.
In the Presidium of the Academy of Sciences of the Latvian S.S.R. J. Magone. Izv. AN Latv. SSR no. 10:147-148 '62.
Let us meet the 22d Congress of the CPSU in a proper way; an appeal of the annual conference of the Academy of Sciences of the Latvian S.S.R. to all the scientists, scholars, and engineers of the Latvian Republic. Izv. AN Latv. SSR no. 4:151-152 '61.
- ACADEMY OF SCIENCES OF THE U.S.S.R.**
(see also subdivision under Akademgorodok)
K.S. Stanislavskii and the Academy of Sciences. A.V. Kol'tsov. Vest. AN SSSR 33 no. 1:98-101 Ja '63.
- ACCARDIO, ANTHONY JOSEPH, 1909-**
More about the life of the parasites. Nov. vrem. 20 no. 1:26-27 Ja '63.
- ACCELERATION IN EDUCATION** see Educational acceleration
- ACCIDENTS**
Disability caused by routine accidents. M. Abdullaev. Soiz. obzr. 24 no. 1:29-31 Ja '63.
This could be avoided. I. Dehen. Znan. ta pratsa 12:14-15 D '62.
- ACCLIMATIZATION (PLANTS)** see subdivision under Ivanovo
- ACCORDION**
In support of the accordion. I.U. Kazakov. Sov. muz. 26 no. 12:78-81 D '62.
- ACCOUNTING**
(see also subdivision under Kuybyshev)
Accountants' tasks in Soviet trade. P. Mezentsov. Bukh. uch. 10 no. 12:33-36 D '62.
Accounting for production maintenance and administration at enterprises without workshops. V. Ivanov. Bukh. uch. 10 no. 12:18-19 D '62.
The accounting system in which output is accompanied by a form. I.U. Raimirov, P. Kraev. Bukh. uch. 10 no. 12:5-10 D '62.
In the methodological council. Bukh. uch. 10 no. 12: 68-71 D '62.
Shlater, E.L. [Intra-plant cost accounting and savings from volunteer labor] Vnutrizavodskoi khozraschet i ekonomia obshchestvennogo truda. Moskva, Ekonomizdat, 1962. 120 p.
Survey of newspapers. Bukh. uch. 10 no. 12:56-63 D '62.
"The theory of accounting" by A.L. Rykova. Reviewed by A. Narinskii. Bukh. uch. 10 no. 12:84-87 D '62.
"The theory of accounting" by G.K. Gurgendze. Reviewed by G. Mazishevili, I. Goderdzishvili, Sh. Burduli. Bukh. uch. 10 no. 12:87 D '62.
- ACCOUNTING—STUDY AND TEACHING**
(see also subdivision under Kharkov)
At the Board of Personnel Training of the Central Statistical Administration of U.S.S.R. Bukh. uch. 10 D '62.
Strengthen the system of improving qualifications through correspondence school training. V.A. Liambek. Uchet i fin. v kolkhoz. i sovkh. 19 no. 5:54-57 My '62.
Training accountant-economists of higher qualifications. A.D. Rivkin. Uchet i fin. v kolkhoz. i sovkh. 19 no. 5:57-62 My '62.
- ACCOUNTING MACHINES**
Chespincha, V.P. [Accounting techniques and calculating machines] Tekhnika obchyslen' i lichytni mashiny. Kyiv, Derzhavne vyd-vo sil's'kohospodars'kol lit-ry, 1961. 297 p. (Pidruchnyky ta uchbovi posibnyky dlia serednikh sil's'kohospodars'kykh uchbovykh zakladiv)
- ACCULTURATION** see subdivision under United States
- ACENAPHTHENE**
Acylation of aromatic compounds. Part 5: Acetylation and benzylation of 2-methylnaphthalene and acenaphthene in the presence of iron and ferric chloride. I.P. TSukaryanik, Kh. Kim, A.S. Kurbatova. Zhur. ob. khim. 33 no. 1:234-237 '63.
Oxidation of acenaphthene with electrochemical regeneration of the catalyst. A.I. Kamnova and others. Neftekhimiya 2 no. 5:756-759 S-O '62.
- ACENAPHTHENEQUINONE**
Condensation of 5-iodoacenaphthenequinone with 3-hydroxythionaphthene and its derivatives. A.P. Korshin, D.M. Kustol. Zhur. ob. khim. 33 no. 1: 203-204 '63.
- ACETALDEHYDE**
Polymerization of trichloroacetaldehyde in the presence of an organometallic catalyst. G.E. Semendko and others. Dokl. AN SSSR 147 no. 6:1386-1388 D '62.
Some conversions of acetals of alkoxy- and bromoacetaldehydes. M.F. Shostakovskii and others. Izv. AN SSSR. Otd. khim. nauk no. 12:2220-2223 D '62.
- ACETALS**
Chemistry of acetals. Report No. 12: Application of the method of gas-liquid chromatography for the analysis of the products of the reaction of orthoesters with vinyl ethers. L.A. Ivanovskaya, V.F. Kucherov, B.A. Rudenko. Izv. AN SSSR. Otd. khim. nauk no. 12:2182-2189 D '62.
Chemistry of acetals. Report No. 13: Hydrolysis of some diacetals studied by means of gas-liquid chromatography. L.A. Ivanovskaya and others. Izv. AN SSSR. Otd. khim. nauk no. 12:2189-2196 D '62.
Some conversions of acetals of alkoxy- and bromoacetaldehydes. M.F. Shostakovskii and others. Izv. AN SSSR. Otd. khim. nauk no. 12:2220-2223 D '62.
Structure of acetals and ketals of 1,4-anhydroxylitol. A.N. Anikeeva, T.I. Orlova, S.N. Danilov. Zhur. ob. khim. 32 no. 12:3813-3818 D '62.
- ACETIC ACID**
Electrocapillary mercury curves in solutions of Na₂CO₃ and disodium salts of ethylenediaminetetraacetic acid. B.S. Prister. Shor. stud. nauch.-issl. rab. TSKhA no. 11:258-264 '62.
Kinetics and mechanism of reactions in concentrated strong acid media. Part 5: Kinetics of decarbonylation and sulfonation of diphenylacetic acid in a sulfuric acid medium [with summary in English]. M.I. Vinnik, R.S. Riebova. Zhur. fiz. khim. 36 no. 12: 2801-2808 D '62.
Physicochemical analysis of the system pyrosulfuric acid - acetic acid. I.U. IA. Fialkov, V.S. Zakharenko. Zhur. ob. khim. 33 no. 1:3-9 '63.
Physicochemical analysis of the system Pyrosulfuric acid - monochloroacetic acid. I.U. IA. Fialkov, V.S. Zakharenko. Zhur. ob. khim. 33 no. 1:9-15 '63.
Precursors and fragments of antibiotics. Part 9: Condensation of aliphatic aldehydes with mercaptoacetic acid and its ethyl ester. T.M. Voronkina, I.T. Strunov, M.F. Shostakovskii. Zhur. ob. khim. 32 no. 12: 3877-3881 D '62.
Purification of acetic acid and the removal of formic acid from it. E.B. Chizhov, E.A. Blumberg, N.I. Gal'perin. Neftekhimiya 2 no. 5:771-775 S-O '62.

ACETONAPHTHENE

Determination of β -acetyl tetralin by polarography [with summary in English]. E.A. Emelina, I.A.A. Tsarlin. Zhur. anal. khim. 17 no. 6:754-758 S '62.

ACETONE

Synthesis of α -N,N-di(2-chloroethyl) amino- α -isobutyroacetone hydrochloride. I.A. Poplavskaya, M.I. Gorlaev. Zhur. ob. khim. 33 no. 1:295-296 '63.
Thermodynamic properties of solutions of acetone-nitrobenzene. K.M. Korchemakala, M.I. Shakhparonov. Vest. Mosk. un. Ser. 2: Khim. 16 [i.e. 17] no. 6:76-77 N-D '62.

ACETONEMIA

Effect of various means of insulin injection into the body on the content of ketone bodies and their passage into the tissues [with summary in English]. S.G. Genes, S.I.A. Karliner. Trudy Ukr. nauch.-issl. inst. ekasper. endok. 18:187-195 '61.

ACETONITRILE

Heterochain copolymerization. Part 1: Copolymerization of epichlorohydrin with aceto- and benzonitrile [with summary in English]. A.A. Dargarian, R.M. Begintan. Vysokom. soed. 5 no. 1:28-31 Ja '63.

ACETOPHENONE

Oxidation of acetophenone initiated by peroxide compounds. S.D. Kazym. Zhur. ob. khim. 33 no. 1:282-285 '63.

ACETYL CHLORIDE

Alkylation of bis-(cyclopentadienyl) titanium dichloride by means of acetyl chloride. A.N. Nesmetanov, O.V. Nogina, V.A. Dubovitskiy. Izv. AN SSSR. Otd. khim. nauk no. 12:2254-2255 D '62.

ACETYLATION

Acylation of aromatic compounds. Part 6: Acylation and benzoylation of 2-methylnaphthalene and acenaphthene in the presence of iron and ferric chloride. I.P. Tsukervanik, Kh. Kim, A.S. Kurbatova. Zhur. ob. khim. 33 no. 1:234-237 '63.
Catalytic acylation of some polymers. G.N. Dorofeyenko and others. Izv. vuz. ucheb. zav. khim. i khim. tekhn. 5 no. 5:804-807 '62.

ACETYLENE

Conversion of methane to acetylene in a plasma jet. G.V. Gultsev and others. Neftekhimika 2 no. 5:793-794 S-O '62.

Halogenation of unsaturated compounds with aromatic diazo compounds. Part 17: Arylation of α -chlorostyrene and production of tolans. A.V. Dombrovskiy, K.G. Tashchuk. Zhur. ob. khim. 33 no. 1:165-170 '63.

Pyrolysis of gasoline vapors to acetylene and olefins in water vapor plasma. D.T. Il'in, E.N. Eremin. Vest. Mosk. un. Ser. 2: Khim. 16 [i.e. 17] no. 6:41-42 N-D '62.

Reaction of selenols with acetylene derivatives. Part 2: Structure of the products of interaction between selenophenol and phenylacetylene and 2-methyl-5-ethynylpyridine. L.M. Kataeva and others. Zhur. ob. khim. 32 no. 12:3955-3971 D '62.

ACETYLENE-SPECTRA

Absorption and luminescence spectra of stilbene and toluene in frozen crystalline solutions at 77°K. G.V. Gubov. Izv. AN SSSR. Ser. fiz. 27 no. 1:11-14 Ja '63.

ACETYLENE COMPOUNDS

Acetylenic amino alcohols. Part 3: Reduction of a triple bond. N.M. Libman, S.G. Kuznetsov. Zhur. ob. khim. 33 no. 1:28-35 '63.

Examination of the molecular refraction of bis (trimethylsilyl)acetylene. E.P. Mikheev, N.P. Filimonova. Zhur. ob. khim. 33 no. 1:323-324 '63.

Study of the mechanism of hydrogenation of acetylenic hydrocarbons on a skeletal nickel catalyst. L.Kh. Frazdlin, I.U. Kaup. Izv. AN SSSR. Otd. khim. nauk no. 1:166-170 '63.

Synthesis and transformations of unsaturated organosilicon compounds. Report No. 8: Synthesis and some transformations of organosilicon acetylenic mercaptans. N.V. Komarov, N.N. Vlasova. Izv. AN SSSR. Otd. khim. nauk no. 1:90-95 '63.

Synthesis of organotin acetylenic ethers. M.F. Shostakovskiy, V.M. Vlasov, R.G. Mirovskiy. Zhur. ob. khim. 33 no. 1:324 '63.

ACHRAY REGION-MINE COMMUNICATIONS

Mine shaft signaling by sending the signal from the cage. A.Z. Pevzner. Ger. zhur. no. 5:35-36 My '63.

ACIDS

Determination of very small amounts of acids in air [with summary in English]. E.A. Peregud, E.S. Stepanenko, B.S. Boikina. Zhur. anal. khim. 17 no. 6:779-771 S '62.

Laboratory control methods of the processes of acids preparation and pulp cooking in case of the use of ammonium as base. I.A. Khristuk, M.A. Burenin. Trudy VNIIB no. 47:64-68 '61.

ACIDS, FATTY

Unsaturated fatty acids content of margarine. B.I. Khomutov and others. Masl.-shir. prom. 28 no. 12:15-17 D '62.

ACIDS, ORGANIC

Chemistry of polyene and polyacetylene compounds. Report No. 8: Paths in the synthesis of polyene dicarboxylic acids with an even number of double bonds and polyene dicarboxylic acids. R.G. Kovalev and others. Izv. AN SSSR. Otd. khim. nauk no. 1:145-152 '63.

Complex formation of thorium with some hydroxycarboxylic acids. A.V. Lapitskiy, I. Geleteanu, M. Boran. Radiokhimiya 4 no. 6:672-677 '62.

Copolymer of salts of unsaturated dicarboxylic acids with methacrylic acid [with summary in English]. E.V. Kuznetsov, V.E. Lozhkin. Vysokom. soed. 5 no. 1:24-27 Ja '63.

Derivatives of perfluorodicarboxylic acids. I.L. Knaulants, M.P. Krasuskaya. Izv. AN SSSR. Otd. khim. nauk no. 1:190-192 '63.

Extraction of galbanic acid from Ferula gummosa Boiss. roots [with summary in English]. A.E. Bedniuk, Apt. delo 12 no. 3:28-34 My-Je '62.

Heterochain polyamides. Report No. 33: Formation of mixed polyamides at the interface of mixtures of various acid chlorides. V.V. Korshak, T.M. Frunze, L.V. Kozlov. Izv. AN SSSR. Otd. khim. nauk no. 12:2226-2235 D '62.

Interaction of carboxyl chloride and carboxylic anhydrides with sodium diethyl phosphite. A.N. Pudovik, I.V. Kononova. Zhur. ob. khim. 33 no. 1:98-102 '63.

Organic acids in ancient deposits. N.T. Shabarov. Dokl. AN SSSR 147 no. 5:1465-1466 D '62.

Organic acids in plants, their physiological role and possibilities for practical use. V.A. Chesnokov, G.Kh. Zhabotinskii, N.L. Il'inskaya. Trudy PBI no. 19:57-67 '62.

Organic acids of higher plants and their conversion in metabolism. S.V. Soldatenkov. Trudy PBI no. 19:35-55 '62.

Possibility of using various polyarylates as insulating film materials. T.S. Kintzeva and others. Plast. massy no. 12:37-40 '62.

Spectroscopic study of the effect of dicarboxylic acids on the hardening of novolak resins. A.N. Shabdash, A.G. Strota. Plast. massy no. 11:65-67 '62.

Synthesis of dinitrodiazodicarboxylic acids. I.S. Ivanov and others. Izv. AN SSSR. Otd. khim. nauk no. 12:2236-2238 D '62.

Vapor-phase esterification of aromatic acids with ethers on oxide catalysts. K.V. Topchieva, G.N. Tikhonova, A.I. Fomina. Neftekhimika 2 no. 5:744-749 S-O '62.

ACIDS, ORGANIC-SPECTRA

Infrared spectra and structure of β -keto acids. I.U. A. Pentin. Izv. AN SSSR. Ser. fiz. 27 no. 1:55-58 Ja '63.

ACOUSTICS see Hearing

ACQUISITIONS (LIBRARIES)

Acquisition of foreign literature by the State Public Library of the Academy of Sciences of the Ukraine. N.P. Rud'. Opyt rab. bibliot. i inostr. lit. no. 3:9-10 '60.

[New foreign books received by the library system of the Academy of Sciences of the U.S.S.R.] Nov. inostr. knigi, postup. v sist. Bibl. AN SSSR no. 12 '62.

Not all the readers are yet satisfied. M. Gubareva, N. Dobrynya, T. Mistrukova. Bibliotekar' no. 1:50-53 Ja '63.

ACRIDINE

Benzylacridinesulfonic acid. A.F. Sukhina. Zhur. ob. khim. 33 no. 1:317 '63.

ACROBATICS

Ivanov, K.N. [Acrobatics; a manual for teachers] Akrobatika; posobie dlia uchitelei. Leningrad, Uchpedgiz, 1962. 89 p.

ACROLEIN

Processes and interaction products of macromolecular compounds with inorganic salts. Part 1: Formation of complexes of polyacrolein with uranyl nitrate. I.V. Andreeva, P.F. Andreev, E.M. Rogozina. Radiokhimiya 4 no. 6:660-667 '62.

ACRYLAMIDE

Flotation of slurry coagulated with polyacrylamides. A.M. Kotkin, E.E. Rozhnova. Koks i khim. no. 12:3-7 '62.

ACRYLIC ACID

Electroreduction of methyl acrylate on a Pd-electrode. I.I. Kulakova, A.V. Shashkina. Vest. Mosk. un. Ser. 2: Khim. 16 [i.e. 17] no. 6:43-47 N-D '62.

Molding compositions based on polyester acrylates. E.A. Militskova, A.D. Sokolov, E.S. Enkhova. Plast. massy no. 11:10-12 '62.

ACRYLONITRILE

Aging of polystyrene materials. Light aging of the copolymer of styrene with acrylonitrile and its stabilization against the effect of ultraviolet rays. E.I. Kirillova and others. Plast. massy no. 11:3-6 '62.

Grafting of polyacrylonitrile and polyvinyl acetate to polypropylene fibers. U. Zhun-zhai [Wu Jung-jui], Z.A. Rogovin, A.A. Konkin. Khim. volok. no. 6:11-14 '62.

Problem of the reducing dimerization of acrylonitrile on a mercury electrode. S.I. Zhdanov, L.G. Feoktistov. Izv. AN SSSR. Otd. khim. nauk no. 1:53-57 '63.

Synthesis of new derivatives of cellulose. Part 24: Synthesis of graft copolymer of cellulose with polyacrylonitrile and study of its properties [with summary in English]. Sun' Tun (Sun T'ung), Li Zhai (Li Jui), Z.A. Rogovin. Vysokom. soed. 5 no. 1:18-23 Ja '63.

ACTINIUM-DECAY

On α -decay of Ac225 [with summary in English]. B.S. Dzhelepov, R.B. Ivanov, L.N. Moskvina. Zhur. ekasper. fiz. 43 no. 6:2077-2079 D '62.

ACTIVATED CARBON see Carbon, Activated

ACTIVATION ANALYSIS see Radionuclide analysis

ACTIVITY COEFFICIENTS

Oshpov, K.A. [Certain activated processes in hard metals and alloys] Nekotorye aktivirovannyye protsessy v tverdykh metallakh i spлавakh. Moskva, Izd-vo Akad. nauk SSSR, 1962. 130 p.

ACTIVITY PROGRAMS IN EDUCATION see sub-division under Minsk District

ACTORS-CORRESPONDENCE, REMINISCENCES, ETC.

Daydyov, V.N. [Story on the past] Rasskaz o proshlom. Leningrad, Izd-vo "Iskusstvo", 1962. 250 p. (Teatral'nye memuary)

ACTORS, CHINESE

"Reminiscences on Men Lan-fang" [in Chinese]. Reviewed by T.N. Kholmovskaya. Sovr. kit. lit. po obshchestv. naukam no. 49:100-100 '62.

ACTRESSES-CORRESPONDENCE, REMINISCENCES, ETC.

Vul'f, P.L. [In the old and new theater; reminiscences] V starom i novom teatre; vospominaniya. Moskva, Vsesoyuzniskoe teat. ob-vo, 1962. 208 p.

ACUPUNCTURE

Treatment of inflammatory diseases on the maxillary sinuses by means of chen-chiu therapy. E.E. Feder, M.L. Abramov. Zhur. bel. 8 no. 12:62 D '62.

ACUTE CATARRHAL JAUNDICE see Hepatitis, Infectious

ACYLATION

Acylation of bindone. R.A. Zhagat, G.I.A. Vnag. Zhur. ob. khim. 32 no. 12:3025-3030 D '62.

Process of acylation of fiber from polyvinyl alcohol. K.E. Perepelkin, L.E. Utevskiy. Khim. volok. no. 6:71-0 '62.

ADDISON'S DISEASE

Coma in chronic adrenal gland insufficiency [with summary in English]. D.S. Gellerman, Z.I. Tikhonov. Trudy Ukr. nauch.-issl. inst. ekasper. endok. 18:244-249 '61.

ADEN-POLITICS AND GOVERNMENT

Death to the locust! Mohammed Ali-Kellani. Vsem. prof. dvizh. no. 12:26-28 D '62.

ADEN-TRADE UNIONS

Death to the locust! Mohammed Ali-Kellani. Vsem. prof. dvizh. no. 12:26-28 D '62.

ADENOVIRUS INFECTIONS

Dreizin, R.S., and V.M. Zhdanov. [Adenovirus infection etiology, clinical epidemiological observations, and specific prevention] Adenovirusnye infektsii; etiologiya kliniko-epidemiologicheskie nabludeniya, spetsificheskaya profilaktika. Moskva, Medgiz, 1962. 303 p.

ADHESION

Adhesion of high polymers to metals. Part 3: Thickness and structure of the oxide film on a metallic substrate as affecting adhesion. I.U.I. Markin and others. Izv. vuz. ucheb. zav. khim. i khim. tekhn. 5 no. 5:808-814 '62.

Characteristics of the gluing of plastics with wood. V. Khurlev. Der. prom. 11 no. 12:14-15 D '62.
Effect of structuration of elastomers on their adhesion to fiber-forming polymers. Part 4: Effect of preorganization of rubber compounds on their adhesion to fiber-forming polymers [with summary in English]. V.G. Raevskiy, S.S. Volitskiy. Vysokom. soed. 5 no. 1:108-111 Ja '63.

Properties of a polymer-semiconductor interface. G. Sokolinn, N.A. Krotov, I.U.A. Khuratalev. Dokl. AN SSSR 147 no. 6:1409-1412 D '62.

ADHESIVES

Additional raw material sources for the manufacture of urea-phenol-formaldehyde resins used in wood gluing. A.G. Zhabrodin. Der. prom. 11 no. 12:3-4 D '62.

Gluing of wood with domestic rubber adhesives. A.S. Freidin, V.I. Oves. Der. prom. 11 no. 12:7-8 D '62.

Phenol-rubber adhesives of higher elasticity. V.N. Solov'eva and others. Plast. massy no. 11:44-46 '63.
Use of nairit latex for the gluing of fabrics. M.S. Mostyrskaya, S.A. Pavlov, T.N. Tropanova. Kosh.-ob. prom. 4 no. 12:17-18 D '62.

ADMINISTRATION OF JUSTICE see Justice, Administration of

ADMINISTRATIVE ECONOMIC COUNCILS

Organization of industrial branch associations at the Moscow Economic Council. A. A. Vkhirev. *Bizn. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 12:72-73 '62.

ADMINISTRATIVE LAW

"Administrative responsibility for the violation of laws" by A. E. Lunev. Reviewed by I. A. Galagan. *Izv. vuz. ucheb. zav. prav.* 6 no. 4:158-160 '62.

Discussing the problems of Soviet administrative procedure. G. P. Khomlakova. *Sov. gos. i pravo* 33 no. 1: 139-151 Ja '63.

How to control the legality of regulations enacted by the executive committees of local soviets. A. Snzhin. *Sots. zakon.* 30 no. 12:18-20 D '62.

Rozin, L. M., and F. S. Razarenov. [Administrative commissions attached to the executive committees of the district and city soviets of workers' deputies] Administrativnyye komissii pri Ispolkomakh raionnykh i gorodskikh Sovetov deputatov trudiaschichkh. Moskva, Gosizdat, 1962. 55 p.

The violation of law. Sov. deput. trud. no. 1:96 Ja '63.

ADMINISTRATIVE LAW—BIBLIOGRAPHY see Bibliography—Administrative law

ADONTS, NIKOLAI GEORGIEVICH, 1873-1941

Scholarly works of Nikolai Adonts [in Armenian with summary in Russian]. K. N. Iuzbashian. *Int. -filol. zhur.* no. 4:115-120 '62.

ADRENAL CORTEX

Effect of prolonged hyperthyroidism on the adrenal cortex, thymus and spleen [with summary in English]. V. V. Mamina. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:42-49 '61.

Reaction of the adrenal cortex and lymphoid organs to extreme stimulation under conditions of cerebral cortex excitation [with summary in English]. N. S. Demidenko. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:215-227 '61.

Reaction of the adrenal cortex and lymphoid organs to strong stimulation of the central nervous system. O. A. Serdiukova. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:228-230 '61.

Some biochemical indices in hemorrhagic vasculitis in children [with summary in English]. V. P. Voitenko. *Vop. okh. mat. i det.* 7 no. 8:35-40 S '62.

ADRENAL GLANDS

Effect of pregnancy and labor on corticosteroid content in adrenal gland tissue and in the blood of rabbits [with summary in English]. V. P. Mikhedko. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:237-243 '61.

ADRENAL GLANDS—DISEASES

Come in chronic adrenal gland insufficiency [with summary in English]. D. S. Gellerman, Z. I. Tikhonov. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:244-249 '61.

ADRENAL GLANDS—INNERVATION

Role of the adrenal gland receptors in changes of motor chromatin [with summary in English]. V. Markova, N. M. Turubiner. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:231-236 '61.

ADRENALINE

Catechol amines of the bird heart in ontogenesis. V. A. Govyrin, G. R. Leont'eva. *Dokl. AN SSSR* 147 no. 8: 1507-1509 D '62.

ADRENOCORTICAL HORMONES

Mechanism of the action of adrenal cortex hormones [with summary in English]. M. P. Baris. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:210-214 '61.

ADSORBENTS

Corpuscular theory of the structure of adsorbents. Part 5: Adsorption of nitrogen and carbon tetrachloride vapors on model adsorbents obtained by compression of aerosols. B. G. Aristov and others. *Zhur. fiz. khim.* 36 no. 12:2767-2763 D '62.

ADSORPTION

Adsorption in the system $Fe_2O_3 - H_2O - MgSO_4 - MgCl_2$ [with summary in English]. P. S. Moleshko. *Koll. zhur.* 24 no. 8:721-723 N-D '62.

Adsorption of germanium from solutions as dependent on the quantity of adsorbents. D. T. A. Evdokimov, A. P. Kostuk. *Zhur. fiz. khim.* 36 no. 12:2741-2742 D '62.

Adsorption of hydrocarbons from binary solutions on silica gel [with summary in English]. A. V. Kiselev, I. V. Shkalova. *Koll. zhur.* 24 no. 8:687-695 N-D '62.

Adsorption of ions of certain metals from water during silicon washing. Part 4. V. S. Sotnikov, A. S. Belanovskii, F. B. Nikishova. *Radiofizika* 4 no. 6:725-731 '62.

Adsorption of Pu(IV) on glass and quartz. A. G. Samartseva. *Radiofizika* 4 no. 6:647-655 '62.

Adsorption of sulfonated aliphatic alcohols from aqueous salt solutions by channel black and graphite [with summary in English]. A. M. Koganovskii. *Koll. zhur.* 24 no. 8:702-708 N-D '62.

Adsorption of toluene from n-heptane solutions by channel black and activated charcoal fired at 500, 1700 and 3000°C. [with summary in English]. A. V. Kiselev, V. V. Khapina. *Koll. zhur.* 24 no. 8:682-686 N-D '62.

Adsorption properties and the secondary porous structure of adsorbents having molecular-sieve action. Report No. 7: Volumes of the cavities of dehydrated crystals of synthetic zeolites of the types A and X filled up during absorption of the vapors of various substances. M. M. Dubinin and others. *Izv. AN SSSR. Otd. khim. nauk.* no. 12:2113-2121 D '62.

Adsorption-structural and physicochemical properties of clay hydroxide adsorbents [with summary in English]. V. S. Komarov, N. F. Ermolenko. *Koll. zhur.* 24 no. 6: 709-710 N-D '62.

Chemisorption and catalytic properties of a semiconductor film on metal. F. F. Vol'kenshtein, V. S. Kuznetsov, V. B. Sandomirskii. *Kin. i kat.* 3 no. 5:712-723 S-O '62.

Convective diffusion in porous media taking adsorption into account. E. A. Bondarev, V. N. Nikolskii. *PMTF* no. 5:128-134 S-O '62.

Dynamic method of determining the specific surface of adsorbents by means of adsorption from a solution stream. V. T. Bykov, O. E. Presnakova. *Kin. i kat.* 3 no. 5:704-707 S-O '62.

Effect of impurity redistribution in the region of the surface space charge of a semiconductor on its adsorption capacity. V. S. Kuznetsov, V. B. Sandomirskii. *Kin. i kat.* 3 no. 5:724-727 S-O '62.

Effect of overlapping integral on the spectrum of local electronic states in the adsorption and contact of two crystals. V. M. Tapilin. *Kin. i kat.* 3 no. 5:709-711 S-O '62.

Effect of the degree of dehydration of the Al_2O_3 surface on its adsorption properties and elementary areas occupied by adsorbed molecules. M. P. Makimova, V. E. Vassenberg, A. A. Balandin. *Izv. AN SSSR. Otd. khim. nauk* no. 1:17-21 '63.

Electroreduction of anions and adsorption phenomena on a dropping lithium amalgam electrode. A. N. Franklin and others. *Dokl. AN SSSR* 147 no. 4:878-881 D '62.

Magnetic and optical properties of chlorophyll adsorbed on capron. L. I. Nekrasov, N. I. Kobozov, G. G. Komissarov. *Vest. Mosk. un. Ser. 2: Khim.* 18 [i.e. 17] no. 8:39-38 N-D '62.

Nature of adsorption of electrolytes by some precipitates. I. U. V. Egorov, E. I. Krylov. *Izv. vuz. ucheb. zav. khim. i khim. tekhn.* 5 no. 5:749-752 '62.

Study of the adsorption of gases in the presence of surface states. V. D. Sutula, A. P. Zelf. *Kin. i kat.* 3 no. 5:698-703 S-O '62.

Theory of chemisorption. V. D. Sutula. *Kin. i kat.* 3 no. 5:704-708 S-O '62.

Variation of the electric resistance of thin metal films during adsorption [with summary in English]. I. U. H. Pustyn'skii, O. A. Panchenko. *Ukr. fiz. zhur.* 7 no. 10:1078-1082 O '62.

ADULT EDUCATION

(see also subdivision under Sovastopol)

Peoples universities of culture. M. Polubotarinov. *Vest. stat.* no. 12:47-50 '62.

Search for new forms of educational work. T. I. Arkina. *Sov. pedagog.* 26 no. 12:143-147 D '62.

ADVERTISING COPY

Language of trade advertisement. V. Glazunova. *Sov. torg.* 36 no. 12:56-59 D '62.

ADYGE AUTONOMOUS PROVINCE—ROTATION OF CROPS

What does a predecessor mean? I. I. Ashchenko. *Zemledelie* 24 no. 11:33 N '62.

ADZHARISTAN—AGRICULTURE

Development and distribution of agriculture of the Adzhar Autonomous Soviet Socialist Republic [in Georgian with summary in Russian]. N. G. Devdaze. *Trudy inst. geog. AN Gruz. SSR* 19:118-143 '62.

ADZHARISTAN—CITIES AND TOWNS

Cities of Adzharistan [in Georgian with summary in Russian]. V. Sh. Dzhaoshyli. *Trudy inst. geog. AN Gruz. SSR* 19:171-185 '62.

ADZHARISTAN—CITRUS FRUITS—DISEASES AND PESTS

Citrus whitefly, a new pest in the Adzhar A. S. S. R. Pen Chahun-lun' [P'eng Chung-yung]. *Zashch. rast. ot vrad. i bol.* 5 no. 7:46-47 JI '60.

ADZHARISTAN—ECONOMIC GEOGRAPHY

General economic and geographical features of the Adzhar A. S. S. R. [in Georgian with summary in Russian]. G. Gvetsiani, V. Nejdze. *Trudy inst. geog. AN Gruz. SSR* 19:3-24 '62.

Historical and geographical study of Adzharistan [in Georgian with summary in Russian]. K. D. Anladze. *Trudy inst. geog. AN Gruz. SSR* 19:41-63 '62.

ADZHARISTAN—HISTORY

Historical and geographical study of Adzharistan [in Georgian with summary in Russian]. K. D. Anladze. *Trudy inst. geog. AN Gruz. SSR* 19:41-63 '62.

ADZHARISTAN—INDUSTRIES

Development and distribution of industry in the Adzhar A. S. S. R. [in Georgian with summary in Russian]. V. S. Kakabadze. *Trudy inst. geog. AN Gruz. SSR* 19: 87-112 '62.

ADZHARISTAN—PHYSICAL GEOGRAPHY

Natural conditions and resources of the Adzhar A. S. S. R. [in Georgian with summary in Russian]. E. Kobakhidze. *Trudy inst. geog. AN Gruz. SSR* 19:25-39 '62.

ADZHARISTAN—POPULATION

Population of the Adzhar A. S. S. R. [in Georgian with summary in Russian]. V. Sh. Dzhaoshyli. *Trudy inst. geog. AN Gruz. SSR* 19:65-88 '62.

ADZHARISTAN—SEASIDE RESORTS

Resorts of the Adzhar A. S. S. R. [in Georgian with summary in Russian]. E. D. Kobakhidze. *Trudy inst. geog. AN Gruz. SSR* 19:145-153 '62.

ADZHARISTAN—TELECOMMUNICATION—EMPLOYEES

The best telecommunication office of Adzharistan. L. I. Iakovlev. *Vest. aviatsii* 22 no. 12:23-24 D '62.

ADZHARISTAN—TRANSPORTATION

Transport and intraregional communications of the Adzhar A. S. S. R. [in Georgian with summary in Russian]. T. Gvintadze, N. Doreuli. *Trudy inst. geog. AN Gruz. SSR* 19:155-169 '62.

ADZHARISTAN—WHITEFLIES

Citrus whitefly, a new pest in the Adzhar A. S. S. R. Pen Chahun-lun' [P'eng Chung-yung]. *Zashch. rast. ot vrad. i bol.* 5 no. 7:46-47 JI '60.

AGRITE

Effect of the acid-base interaction of the components in the system aegirite - hedenbergite - diopside. L. L. Perchuk. *Dokl. AN SSSR* 147 no. 8:1401-1404 D '62.

AERIAL SPORTS

(see also subdivision under China)

Considering every exercise. A. Sterpul. *Kryl. rod.* 14 no. 1:23 Ja '63.

Forostenko, I. A. D., I. I. Zharkovskii, and S. P. Ignatiev. [In a sport airplane] Na sportivnom samolote. Moskva, Izd-vo DOSAAF, 1962. 238 p.

In the aerial sports committee. *Kryl. rod.* 14 no. 1: 9 Ja '63.

AERODYNAMICS

Calculation of a laminar boundary layer in a compressible gas in the presence of suction or blowing. Liu Shen'-taian' [Liu Shen-ch'ian]. *Zhur. vych. mat. i mat. fiz.* 3 no. 8:858-863 S-O '62.

Numerical calculation of a laminar boundary layer in a compressible gas. I. U. N. Pavlovskii. *Zhur. vych. mat. i mat. fiz.* 2 no. 5:884-891 S-O '62.

AERODYNAMICS, HYPERSONIC

Four questions to general aircraft designer. A. I. Mikolai. *Av. i kosm.* 45 no. 1:6-8 Ja '63.

Small-parameter method for calculating the hypersonic flow of an ideal gas past sharp-nosed bodies [with summary in English]. G. Baush. *Vest. LGU* 18 no. 1: 88-89 '63.

Some characteristics of hypersonic gas motion [with summary in English]. A. A. Grib, G. Baush, L. M. Vlas'menskii. *Vest. LGU* 18 no. 1:96-105 '63.

AEROLITES see Meteorites

AEROLOGY see Meteorology

AERONAUTICS

Facts, events, people. *Kryl. rod.* 14 no. 1:12-13 Ja '63.

AERONAUTICS—ABSTRACTS

[Air transportation] *Raf. zhur. : Vozd. transp.* no. 1 Ja '63.

AERONAUTICS—BIBLIOGRAPHY see Bibliography—Aeronautics

AERONAUTICS—SOCIETIES, ETC.

We started flying in an aeroclub. A. Susov. *Kryl. rod.* 14 no. 1:4 Ja '63.

AERONAUTICS, COMMERCIAL

Air transportation gets essential. V. Zhukova. *Grazhd. av.* 19 no. 11:18 N '62.

The fortieth anniversary of the civilian aviation of the U. S. S. R. V. Shaposhnikov. *Kryl. rod.* 14 no. 1:14-15 Ja '63.

Forty five historical anniversaries. *Grazhd. av.* 19 no. 11:2 of cover - 1 N '62.

Higher, faster and further. O. Antonov. *Nauka i zhytita* 12 no. 11:10-11 N '62.

Planning flight activity for an air group. V. Kutin. *Grazhd. av.* 12 no. 2:32-33 F '65.

Progressive method of operating airplanes with crews working in shifts. V. Isaev. *Grazhd. av.* 12 no. 2:25-26 F '65.

Prospects for using helicopters in civil aviation. B. Belokopytov. *Grazhd. av.* 12 no. 2:23-24 F '65.

Readers' letters. *Grazhd. av.* 19 no. 9:29 S '62.

AERONAUTICS, COMMERCIAL—FINANCE see subdivision under Uzbekistan

AERONAUTICS, COMMERCIAL—SAFETY MEASURES
Intervene, correct. V. Uspekii. Grazhd. av. 19 no. 9:20 S '62.

It started. V. Vasil'ev. Grazhd. av. 19 no. 9:18-19 S '62.

Skill and circumspection. G. Kantaev. Grazhd. av. 19 no. 9:20 S '62.

Title carries responsibilities. L. Pavlenko. Grazhd. av. 19 no. 9:18-19 S '62.

Working area. F. Skrypnik. Grazhd. av. 19 no. 9:18 S '62.

AERONAUTICS, COMMERCIAL—TECHNOLOGICAL INNOVATIONS
Office of innovations of commercial aeronautics. Grazhd. av. 19 no. 9:25 S '62.

AERONAUTICS, MILITARY

On high-altitude jet planes. Kryl. rod. 14 no. 1:3 Ja '63.

Tactical skill of an air pilot. I. Main criterion of combat readiness. D. Tormakov. Av. i kosm. 45 no. 1:26-30 Ja '63.

AERONAUTICS, MILITARY—PSYCHOLOGY

Flight discipline and creative action of a fighter pilot. S. Grigorenko. Av. i kosm. 45 no. 1:40-43 Ja '63.

AERONAUTICS IN AGRICULTURE

(see also subdivision under Krasnodar Territory; Ukraine; Volga Valley)

An aircraft is not a football. A. Taimetov. Grazhd. av. 19 no. 9:8-9 S '62.

Aviation in plant protection. S. G. Starostin. Zashch. rast. ot vred. i bol. 5 no. 10:1-3 O '60.

Efficient organization of aerial operations in agriculture. I. Sazonov. Grazhd. av. 12 no. 2:28-29 F '55.

For a perfect organization. V. Nazarov. Grazhd. av. 18 no. 9:7-8 S '62.

From the history of aeronautics in agriculture. G. I. Korotkiy. Zashch. rast. ot vred. i bol. 2 no. 8:37-38 N-D '57.

Interpretation of aerial photography in agriculture [with summaries in English, German, and French]. V. F. Rubakhin. Vest. sel'khoz. nauk 7 no. 10:95-102 O '62.

KA-15 helicopters in agriculture. M. B. Malinovskii. Zashch. rast. ot vred. i bol. 5 no. 7:15-16 Ji '60.

Possibilities of aerial methods. I. V. Sazonov. Zashch. rast. ot vred. i bol. 2 no. 8:39-40 N-D '57.

We can and must bring a great contribution to the effort for an abundant harvest. Grazhd. av. 19 no. 9:7 S '62.

AERONAUTICS IN FISHING

"Aerial" fisherman. V. Sergeev. Grazhd. av. 19 no. 11:21 N '62.

Aerial survey of fish and sea animals. K. Tsyplakov. Grazhd. av. 12 no. 2:19-20 F '55.

AERONAUTICS IN GEOLOGY

Using aerial photographs to study the jointing of Daghestan carbonate rocks. Tszian Tszu-tai [chiang Tsu-ch'i]. V. D. Skarlatina. Izv. vyz. ucheb. zav.; geol. i razv. 5 no. 10:53-62 O '62.

AERONAUTICS IN PUBLIC HEALTH

see subdivision under Ural Mountain region

AEROSOLS

Control of the structure of crystals growing in a flow of supercooled aerosols. L. G. Kachurin, L. I. Gashin, I. G. Osipov. Dokl. AN SSSR 147 no. 4:833-834 D '62.

Determination of distribution parameters by the optical method. S. S. Khmelevskiy. Izv. vyz. ucheb. zav.; fiz. no. 8:173-174 '62.

AESTHETICS

Akademiya khudozhestv SSSR, Institut teorii i istorii izobrazitel'nykh iskusstv. [History of aesthetics; literary monuments of world aesthetic thought in five volumes] Istorika estetiki; pamiatniki mirovoi esteticheskoi mysli v plati tomakh. Red. kollegiya: M. F. Ovsianikov i dr. [Moskva] Izd-vo Akad. khudozh. SSSR.

Vol. I. [Classical period. Middle Ages. Renaissance. Translated from the Ancient Greek and other languages] Antichnost'. Brednie veka. Vozrozhdenie. [Red. sost. i toma V. P. Rhesiakov]. 1962. 681 p.

Cultivate the man of the future. Pavel Branko. Isk. kino no. 10:113-115 O '62.

"It helps to be a cultured person" by Z. Papernyi. Reviewed by L. Pushkina, V. Vorob'eva. Part. zhizn' no. 1:75-78 Ja '63.

Pashitov, L. N. [Art and the man of the future] Iskusstvo i chelovek budushchego. Moskva, Vsesoyuzn. skoe teatr. ob-vo, 1962. 87 p.

Shcherbakov, V. K. [Your aesthetic taste] Tvoy esteticheskii vkus. Moskva, Izd-vo "Znanie," 1963. 48 p. (Narodnyi universitet kul'tury: Fakul'tet literatury i iskusstva, no. 1)

Socialist realism. V. Ivanov. Znamia 33 no. 1:187-201 Ja '63.

AESTHETICS—POPULAR WORKS

A review of popular literature on aesthetics. E. V. Metel'skaya, L. I. Novikova. Vop. filos. 17 no. 1:162-167 '63.

AESTHETICS—STUDY AND TEACHING

Beauty is the sister of morals. O. V. Sysoeva. Rad. shk. 41 no. 12:52-55 D '62.

Russia (1923- U. S. S. R.) Upravlenie propovedaniia obshchestvennykh nauk. [Program of the course "Fundamentals of the Marxist-Leninist aesthetics" for institutions of higher learning] Programma kursa "Osnovy marksistsko-leninskoi estetiki"; dlia vysshikh uchebnykh zavedenii (32 chasa). Moskva, Gospolitizdat, 1962. 15 p.

Russia (1923- U. S. S. R.) Upravlenie propovedaniia obshchestvennykh nauk. [Program of the course on "Fundamentals of Marxist-Leninist aesthetics" for institutions of higher education] Programma kursa "Osnovy marksistsko-leninskoi estetiki"; dlia vysshikh uchebnykh zavedenii (72 chasa). Moskva, Gospolitizdat, 1962. 31 p.

Seminars on aesthetic education. E. Batmakova and others. Dozhk. voep. 35 no. 9:42-46 S '62.

We teach them to see life and to understand beauty. M. V. Koval'ova. Rad. shk. 41 no. 12:24-26 D '62.

AFREESTATION

(see also subdivision under Azerbaijan; Caspian Sea region)

Effect of herbaceous plants on the growth of pine plantations in sandy soils [with summaries in English, German, and French]. Sun' De-Lin' (Sun Tieh-Lin). Vest. sel'khoz. nauk 7 no. 5:123-126 My '62.

Improve the organization and technology of seed production in forestry. Les. khoz. 15 no. 11:70-72 N '62.

Improving the stability of pine plantations on sandy soils. G. I. Vasil'ev. Les. khoz. 15 no. 11:76-77 N '62.

Pine stands planted in clusters on cutovers in the Moscow region [with summaries in English, German, and French]. V. V. Gribov. Vest. sel'khoz. nauk 7 no. 10:85-91 O '62.

Planting spruce without soil tillage in fresh cutovers in the mountain forest working circles of Lvov Province. M. I. Onys'kiv. Nauk. pratsi asp. UASHN no. 5:107-111 '60.

Practices in establishing poplar plantations in the Boguskiy Forest Tract of the Zhitomir Forest Working Circle. Nauk. pratsi asp. UASHN no. 5:112-115 '60.

AFGHAN LANGUAGE

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFGHAN LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut narodov Azii. [Forty years of Afghan studies by Soviet scholars] Sovetskoe afganovedenie za 40 let. Moskva, Izd-vo vostochnoi lit-ry, 1961. 128 p. [In Pashto]

(MIDW)

AFRICA—EDUCATION

Africa is learning. N. Kanaev. Az. i Afr. seg. no. 1: 22-24, 20 Ja '63.

AFRICA—FOREIGN RELATIONS—UNITED STATES
Larin, V. [American monopolies of Africa] Amerikanskii monopolii v Afrike. Moskva, Izd-vo In-ta mezhduarod. nykh otnoshenii, 1962. 80 p.

AFRICA—FOXES
The smallest fox (fennec). IUn. nat. no. 12:10 D '62.

AFRICA—GOVERNMENT OWNERSHIP
State capitalism in Asia and Africa. IU. Rozaliev. Mezhdunar. zhizn' 10 no. 2:43-51 F '63.

AFRICA—HISTORY
Studies on the history of Tropical Africa. S. R. Kim. Vop. ist. 38 no. 1:170-180 Ja '63.

AFRICA—INVESTMENTS, AMERICAN
Larin, V. [American monopolies of Africa] Amerikanskii monopolii v Afrike. Moskva, Izd-vo In-ta mezhduarod. nykh otnoshenii, 1962. 80 p.

AFRICA—LABOR AND LABORING CLASSES
"The working class of Africa in the struggle for unity" by IU. N. Popov. Reviewed by E. Glushchenko. Az. i Afr. seg. no. 1:60-61 Ja '63.

AFRICA—NEWS AGENCIES
Information agencies in Africa. Mezhdunar. zhizn' 10 no. 2:149-160 F '63.

AFRICA—POLITICS
The battle for Africa. IU. Bochkarev. Nov. vrem. 20 no. 1:11-13 Ja '63.

Letters to the editor. Friedrich Eger and others. Nov. vrem. 20 no. 7:10 F '63.

AFRICA—PORTUGUESE COLONIES
Destroy the plot of the colonizers! P. Evslukov. Az. i Afr. seg. no. 1:12-14 Ja '63.

AFRICA—RACE DISCRIMINATION
An antipodes' view of the Apartheid. Michael Leyden. Vsem. stud. nov. 16 no. 5:8:14-15 My-Ja '62.

AFRICA—SPORTS
African sport in ascent. A. B. Vsem. stud. nov. 16 no. 4:10 Ap '62.

AFRICA—TECHNICAL EDUCATION
Secondary specialized education in African countries. I. G. Kovalenko. Sred. spets. obr. 10 no. 1:61-63 Ja '63.

AFRICA—TRADE UNIONS
Turchanov, D. I. [The All-African Federation of Trade Unions] Vseafrikanatskaya federatsiya profsotuzov. [Moskva] Profizdat, 1962. 56 p.

AFRICA—WATER RESOURCES DEVELOPMENT
Africa would flourish. IU. Dmitrevskii. Nov. vrem. 20 no. 3:7-9 Ja '63.

AFRICA, EAST—FOREIGN ECONOMIC RELATIONS—GREAT BRITAIN
Gukhov, A. M. [British imperialism in Eastern Africa. 1945-1960; British colonial policy] Britanski imperiizm v Vostochnoi Afrike, 1945-1960 gg.; angliiskaya kolonial'naya politika. Moskva, Izd-vo IMO, 1961. 253 p.

AFRICA, EAST—POLITICS
Rumyantsev, A. M. [Struggle for liberation of the peoples of East Africa after the Second World War; popular essays] Osvoboditel'naya bor'ba narodov Vostochnoi Afriki posle Vtoroi Mirovoi volny; nauchno-populyarnye ocherki. Moskva, Sotsekgiz, 1962. 326 p.

AFRICA, FRENCH WEST—LABOR LAWS AND LEGISLATION
Lessons derived from the struggle for a labor code in West Africa. Moustapha Barr. Vsem. prof. diviz. no. 12:26-32 D '62.

AFRICA, FRENCH WEST—TRADE UNIONS
Lessons derived from the struggle for a labor code in West Africa. Moustapha Barr. Vsem. prof. diviz. no. 12:26-32 D '62.

AFRICA, SOUTH—POLITICS
"The unholy alliance": a conspiracy against the people of South Africa. V. Sidanko. Mezhdunar. zhizn' 10 no. 3:46-52 Mr '63.

AFRICA, SOUTH—RACE QUESTION
"Let my people go" [in English] by Albert Luthuli. Reviewed by A. Davidov. Mezhdunar. zhizn' 10 no. 3: 141-143 Mr '63.

AFRICA, SUB-SAHARAN—CIVILIZATION
Muntu, an outline of the new African culture [in English] by Janheinz Jahn. Reviewed by John Berger. Vsem. stud. nov. 16 no. 1:18-13 Ja '62.

AFRICA, SUB-SAHARAN—ECONOMIC CONDITIONS

"Bad start for black Africa" [in French] by Rene Dumont. Reviewed by I.U. Popov. Nov. vrem. 20 no. 8:30-31 F '63.

AFRICAN ART see Art, African

AFRICAN LITERATURE—HISTORY AND CRITICISM

Literary Africa. Ismail Abdul Rahman. Vsem. stud. nov. 16 no. 5/6:26-20 My-Je '62.

AFRO-ASIAN PEOPLES' SOLIDARITY CONFERENCE, MOSH, 1963-

The conference in Tanganyika. I.U. B. Nov. vrem. 20 no. 5:13 F '63.

AGARICALES see subdivision under Crimea

AGARICALES—SPECTRA

Some data on the chemical composition of Inonotus obliquus. G. A. Kuznetsova. Zhur. ob. khim. 32 no. 12:4080-4081 D '62.

AGED see subdivision under France

AGGREGATES

Covering of R₂ (0)-sets. Z. I. Kozlova. Uch. zap. Volg. gos. ped. inst. no. 11:145-158 '60.

Finite sets and natural numbers. A. M. Merkulov. Uch. zap. Volg. gos. ped. inst. no. 11:171-179 '60.

On certain properties of A₂- and CA₂-operations. Z. I. Kozlova. Uch. zap. Volg. gos. ped. inst. no. 11:120-145 '60.

Remarks on completions of partially ordered sets. V. V. Pashenkov. Usp. mat. nauk 17 no. 6:155-162 N-D '62.

Separation of functions. I. D. Stupina. Uch. zap. Volg. gos. ped. inst. no. 11:159-170 '60.

AGGREGATES (BUILDING MATERIALS)

Gravel deposits are a source for obtaining high-strength aggregates. B. I. A. Ramzes, L. P. Legkain. Sbor. trud. NIIZheleznobetona no. 7:3-16 '62.

Kholin, N. D., ed. [Hydraulic engineering machinery at rock, gravel and sand quarries for construction material] Gidromekhanizatsiya na kar'nykh norudnykh stroitel'nykh materialov. Moskva, Gosstroizdat, 1962. 143 p.

Problems of dressing rock, gravel and sand in heavy mediums. I. P. Stabin, V. G. Shirman. Biul. tekhn. inform. Inst. "Proektgidromekh." no. 1:52-58 '62.

AGGRESSION (INTERNATIONAL LAW)

Aggression is the most serious crime against peace and humanity. P. S. Romashkin. Sov. gos. i pravo 33 no. 1:55-67 Ja '63.

AGRICULTURAL ADMINISTRATION

(see also subdivision under Belgorod Province; Krasnodar Territory; Lithuanian; Penza Province; Ryazhsk region; Stavysansk region; Spassk-Ryuzan'skiy District; Stavropol Territory; Tambov Province; Uzbekistan; Vinnitsa Province; Virgin Territory; Volgograd Province; Voronezh Province; Yaroslavl Province; Zen'kov District)

Always with youth. A. Topilinski. Komsom. zhizn' no. 14:19-21 Ji '62.

The fifth spring of the seven-year plan. Part zhizn' no. 4:3-7 F '63.

Local soviets and the new organs of agricultural administration. Sov. deput. trud. no. 6:3-8 Je '62.

The party as the organizer of the rapid development of Soviet agriculture. P. Alekseev. Kommunist 39 no. 2:21-28 Ja '63.

Production is the principal sphere of party guidance. F. Petrenko. Part. zhizn' no. 2:14-20 Ja '63.

Search for the new. Komsom. zhizn' no. 14:13-10 Ji '62.

AGRICULTURAL CHEMICALS

Chemical preparations for the protection of plants. V. I. Orlov. Priroda 52 no. 1:68-70 '63.

Chemistry in the service of plant protection. N. N. Mol'nikov. Zashch. rast. ot vred. i bol. 2 no. 6:41-44 N-D '62.

How to recognize wetting powders? P. V. Popov. Zashch. rast. ot vred. i bol. 5 no. 11:44 N '60.

Outlook for the chemical method. P. V. Sazonov. Zashch. rast. ot vred. i bol. 5 no. 11:24-27 N '60.

Valuable preparations for the control of agricultural pests. G. M. Vinokurova. Vest. AN SSSR 33 no. 1: 42-44 Ja '63.

AGRICULTURAL CHEMICALS—SAFETY MEASURES

Individual safety measures in working with poisonous chemicals. I. U. I. Kundiev, M. E. Podlinina. Zashch. rast. ot vred. i bol. 6 no. 6:36-38 Je '60.

Safety measures in disinfecting seeds. L. I. Medved'. Zashch. rast. ot vred. i bol. 6 no. 3:33-38 Mr '60.

Safety measures in handling phosphorus organic poisons. I. U. S. Kagan. Zashch. rast. ot vred. i bol. 5 no. 5:45-40 My '60.

AGRICULTURAL CHEMISTRY

(see also subdivision under Bashkiria; Orenburg Province)

Use of succinic acid in agriculture. N. A. Drozdov, S. M. Belousov. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:23-27 '62.

AGRICULTURAL CHEMISTRY—STUDY AND TEACHING

Contribution of a chemistry department to agriculture. I. A. G. Barkan. Vest. vys. shkoly 20 no. 12:37-38 D '62.

AGRICULTURAL COLLEGES see subdivision under Leningrad

AGRICULTURAL COOPERATIVE CREDIT ASSOCIATIONS

Role of agricultural credit cooperatives in drawing the working masses of peasantry to the building of socialism in 1921-1925. M. V. Gamalunov. Dokl. TSKHA no. 75:323-336 '62.

AGRICULTURAL EXHIBITIONS see subdivision under Moscow

AGRICULTURAL GEOGRAPHY—RESEARCH

Agricultural themes of the expeditions conducted by the Geographical Faculty of the Moscow University in 1962. V. G. Konvalenko. Vest. Mosk. un. Ser. 5:Geog. 17 no. 4:93 Ji-Ag '62.

AGRICULTURAL IMPLEMENTS see subdivision under Latvia

AGRICULTURAL INSURANCE see Insurance, Agricultural

AGRICULTURAL JOURNALISM see Journalism, Agricultural

AGRICULTURAL LAWS AND LEGISLATION

(see also subdivision under Czechoslovakia)

Brief information. Sov. deput. trud. no. 6:66-67 S '62.

Brief review of present-day laws governing the delimitation of the territorial possessions of collective and state farms in the U. S. S. R. V. O. Tenenbaum. Izv. vys. ucheb. zav. prav. 6 no. 4:70-67 '62.

Characteristics of the bourgeois theory of agrarian law. I. A. Ikonitskaya. Sov. gos. i pravo 33 no. 1:131-133 Ja '63.

The law forbids any lease of arable land. Sov. deput. trud. no. 6:90-101 Je '62.

Russia (1923- U. S. S. R.) Laws, statutes, etc. [Collected legislative enactments on land] Sbornik zakonodatel'nykh aktov o zemle. Izd. 2., dop. Moskva, Gosjurizdat, 1962. 298 p.

We should completely eliminate the traces of the personality cult in the theory of agricultural and collective farm law. I. Pankratov. Sots. zakon. 40 no. 1:40-48 Ja '63.

AGRICULTURAL MACHINERY

(see also subdivision under Aktyubinsk Province)

[Agricultural machinery; a textbook for students in the 8th grade] Sol'skokhoziaistvennoe mashinovedenie: uchebnoe posobie dlia uchashchikhsia VIII klassa. Izd. 2. Moskva, Gos. uchebno-pedagog. izd-vo, 1959. 246 p.

(TNJ)

Answers to our readers' questions. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:50 My '62.

Anticorrosion machines in the Virgin Territory. N. Kadushin. Ekon. sel'khoz. 34 no. 1:72-73 Ja '63.

Discrete calculating machines and electronic computers for testing agricultural equipment [with summaries in English, German, and French]. I. V. Korobochkin, Kh. M. Radkhlin. Vest. sel'khoz. nauk 7 no. 10:110-123 O '62.

Expand the mechanization of work in vineyards. V. Glushenko. Tekh. v sel'khoz. 22 no. 11:19-21 N '62.

Investigating the systems of automatic driving by model studies [with summaries in English, German, and French]. S. P. Gel'fendin. Vest. sel'khoz. nauki 7 no. 11:105-110 N '62.

Methods for harvesting sugar beets. L. S. Loktev. Dokl. TSKHA no. 50:161-167 '60.

New machinery marches into the country. O. Tkachenko. Nauka i zhyt'ia 12 no. 11:34-35 N '62.

A nomogram for selecting the parameters of screw conveyor. N. I. Geras'kov. Mekh. i elek. sots. sel'khoz. 20 no. 6:55-58 '62.

PTU-10S trailer and its advantages. L. Kormakov. Ekon. sel'khoz. 33 no. 12:75-78 D '62.

SSH-45 self-propelled chassis. V. Lemesko. Tekh. v sel'khoz. 22 no. 11:43-45 N '62.

Saakian, S. S. [Agricultural machinery (design, theory, and calculations); machines for soil cultivation, seeding and planting, placement of fertilizers, control of pests and diseases of agricultural plants] Sel'skokhoziaistvennye mashiny (konstruktsiia, teoriia i raschet); mashiny dlia obrabotki pochvy, posadki i posadki, vneseniia udobrenii, dlia bor'by s vrediteliami i bolezniami sel'skokhoziaistvennykh rastenii. Moskva, Sel'khozizdat, 1962. 327 p. (Uchebnykh i uchebnykh posobie dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

"Scientific principles for increasing the efficiency of agricultural machinery" by B. A. Lintvarev. Reviewed by S. A. Ioffinov. Mekh. i elek. sots. sel'khoz. 20 no. 6: 62 '62.

Stages of the development of mechanization. N. K. Tarnovich. Zashch. rast. ot vred. i bol. 2 no. 6:34-36 N-D '62.

System of machines for overall mechanization of soil improvement operations. R. L. Turatskil. Mekh. i elek. sots. sel'khoz. 20 no. 6:8-10 '62.

AGRICULTURAL MACHINERY—ABSTRACTS

[Tractors and agricultural machinery] Ref. zhur. Old. vyp. 44: Trakt. i sel'khoz. mash. no. 1 Ja '63.

AGRICULTURAL MACHINERY—DESIGN AND CONSTRUCTION

Main trend of the chief designer. Kh. I. Izakson, V. G. Shumakov, A. V. Shapiro. Nauka i zhizn' 29 no. 11:20-26 N '62.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

(see also subdivision under Orenburg Province)

The all-Union raid is in progress. Komsom. zhizn' no. 22:2-3 N '62.

How local party organizations established the new methods of the maintenance of agricultural machinery on collective farms, 1953-1956. G. D. Gubarev. Vest. Mosk. un. Ser. 9: Ist. 16 no. 1:3-22 Ja-F '63.

International conference on the organization and technology of repairing agricultural machines. Vest. sel'khoz. nauki 7 no. 5:158 My '62.

Mobile workshop on unaxial trailer. V. Shifov. Tekh. v sel'khoz. 22 no. 11:57-61 N '62.

Setting work norms in vibration resistance welding. A. Liubchenko. Tekh. v sel'khoz. 22 no. 11:87-89 N '62.

We should intensify our struggle against the improper maintenance and upkeep of agricultural machinery. V. Gaev. Sov. iust. no. 21:4-6 N '62.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR—BIBLIOGRAPHY see Bibliography—Agricultural machinery—Maintenance and repair

AGRICULTURAL MACHINERY—STATISTICS

Butorin, I. M. [Statistics of the mechanization and electrification of agriculture] Statistika mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Moskva, Gosstatizdat, 1962. 120 p.

(MH)

AGRICULTURAL MACHINERY INDUSTRY see subdivision under Voronezh

AGRICULTURAL MACHINERY INDUSTRY—LABOR PRODUCTIVITY

Faradzhev, F. [Labor productivity in the agricultural machinery industry of the U. S. S. R.] Proizvoditel'nost' truda v sel'skokhoziaistvennom mashinostroenii SSSR. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1956. 202 p.

(DNAL)

Kutia, Frantisek. [Hidden potentialities for increasing labor productivity. Translated from the Czech] Rezervy rosta proizvoditel'nosti truda. S predisl. K. I. Klimentko. Moskva, Izd-vo inostr. lit-ry, 1962. 240 p.

AGRICULTURAL METEOROLOGY see Meteorology, Agricultural

AGRICULTURAL PESTS

(see also subdivision under Krasnodar Territory)

How to calculate the contamination of tracts by pests? I. A. Polakov. Zashch. rast. ot vred. i bol. 5 no. 11: 46-47 N '60.

Review of the distribution and forecast of the appearance of pests in 1960. V. N. Shegolev. Zashch. rast. ot vred. i bol. 5 no. 6:62 Je '60.

AGRICULTURAL POLICY

(see also subdivision under Guinea)

Khrushchev, N. S. [The building of communism in the U. S. S. R. and the development of agriculture] Stroitel'stvo kommunizma v SSSR i razvitiie sel'skogo khoziaistva. Moskva, Gospolitizdat, Vol. 4. [May, 1959-February, 1961] Mai 1959 goda-fevral' 1961 goda. 1963. 478 p.

Leninist economic policy of our party in action. Komm. Bol. 36 no. 12:12-17 D '62.

Struggle of the party for an upsurge in the collective and state farm economy. V. El'mov. Vop. ekon. no. 12:16-24 D '62.

AGRICULTURAL RESEARCH

(see also subdivision under Altai Territory; United States; Ural Mountain region)

At the Department of Plant Growing of the Timiriazev Agricultural Academy. N. L. Vest. sel'khoz. nauki 7 no. 10:158 O '62.

Preface. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:3-4 '62.

Scientific achievements should be introduced to collective and state farms. E. Rogacheva. NTO 4 no. 9: 21-22 S '62.

AGRICULTURAL WAGES

(see also subdivision under Moshysk District)

Against the arbitrary interpretation of the standard regulation on state farmers' wages. O. Nekrasova, A. Melakhov. Sots. trud 7 no. 4:167-168 Ap '62.

Answers to our readers' questions. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:50 My '62.

AGRICULTURAL WAGES (Continued)

Material incentives in improving qualifications of agricultural workers. V. Lidenkov. Vop. ekon. no. 12:140-148 D '62.

On further wage improvement for agricultural workers. M. N. Gromov, A. N. Kuznetsov. Dokl. TSKHA no. 50: 118-127 '62.

Strengthening the principle of material self-interest on collective and state farms. G. Kibets. Otv. na vop. trud. no. 4:2-11 Ap '62.

AGRICULTURAL WORKERS

(see also subdivision under Altai Territory; Kaliningrad District; Kustanay Province; Kyzyltepa District)

The Chukonova. V. Lamm. Sem'ia i shkola 17 no. 11: 11-13 N '62.

"In the land of wide-open spaces and heroic deeds." Reviewed by M. Borisov. Komsom. zhizn' no. 18:23 S '62.

Maintain the Soviet farmer's honor high. Ekon. sel'khoz. 33 no. 12:12-17 D '62.

Romance is alive by side with us. A. Silenkov. Komsom. zhizn' no. 19:7-8 O '62.

AGRICULTURAL WORKERS—EDUCATION AND TRAINING

(see also subdivision under Smolensk Province)

Eight-year education for all! Komsom. zhizn' no. 20: 18-18 O '62.

AGRICULTURE

(see also subdivision under Adzharia; Bulgaria; Egypt; Estonia; Europe, Eastern; Hungary; Kagariyk District; Kazakhstan; Khmel'nitskiy Province; Kochkorka region; Krasnodarskiy District; Latin America; Lithuania; Omsk Province; Orel Province; Orenburg Province; Russia, Northwest; Sverdlovsk Province; Uzbekistan; Vietnam, North; Volgograd Province; White Russia; Yugoslavia)

All-Union competition organized by the Communist Youth League. Komsom. zhizn' no. 14:3 N '62.

Communism and agriculture. V mire knig 2 no. 11: 1 N '62.

Current problems in the intensification of U.S.S.R. agriculture. I. A. Lovkov. Dokl. TSKHA no. 75:41-54 '62.

Decisions of the November Plenum of the Central Committee of the CPSU are the militant program for the struggle to attain the victory of communism. Ekon. sel'khoz. 33 no. 12:3-11 D '62.

For a further upsurge in agriculture. Ekon. sel'khoz. 34 no. 13-10 Ja '63.

The 46th anniversary of the Great October. Tekh. v sel'khoz. 22 no. 11:1-3 N '62.

From the pages of agricultural journals. Tekh. v sel'khoz. 22 no. 11:53 N '62.

"Grain production in the U.S.S.R." by T. A. Koval'. Reviewed by B. Krutitskiy. Kommunist 30 no. 3:116-119 F '63.

A great anniversary. Zemledelie 24 no. 11:3-6 N '62.

Important frontier of the building of communism. Sots. trud. 7 no. 4:3-10 Ap '62.

In the name of the triumph of communism. Vest. sel'khoz. nauki 7 no. 11:3-5 N '62.

Into the cup of plenty. IUn. nat. no. 1:19, 29 Ja '63.

Mineev, V. A. [Economic bases of farming near cities] Ekonomicheskie osnovy prigorodnogo sel'skogo khoziaistva. Moskva, Ekonomizdat, 1962. 333 p.

The most important means of agricultural intensification. E. Grigor'ev. Plan. khoz. 40 no. 2:60-75 F '63.

Problems of agricultural development in the new program of the CPSU. A. I. Stepanov. Dokl. TSKHA no. 75:6-17 '62.

A review of the periodicals of the fraternal Soviet Republics. Komm. Mold. 7 no. 11:76-78 N '62.

We should value the advice of experienced farmers. M. Frokin. Kommunist 30 no. 3:121-122 F '63.

What is a consistent intensification of agriculture? I. A. Lovkov. Ekon. sel'khoz. 34 no. 13:38-44 Ja '63.

Zal'tsman, L. M., and others, eds. [Distribution and specialization in U.S.S.R. agriculture] Voprosy razmeshcheniya i spetsializatsii sel'skogo khoziaistva SSSR. Moskva, Ekonomizdat, 1962. 637 p.

AGRICULTURE—ABSTRACTS

[Agriculture] classed index of articles in foreign periodicals. Sel'khoz. i sht. ukaz. st. v inostr. zhur. no. 9 '62.

AGRICULTURE—ACCOUNTING

(see also subdivision under Kolomna District)

Accounting for corn. G. I. Makhov. Uchet i fin. v kol'khoz. i sovkh. 10 no. 5:12-17 My '62.

Improve accounting and tighten control. Uchet i fin. v kol'khoz. i sovkh. 10 no. 5:2-5 My '62.

Mechanization of accounting for agricultural production; based on materials of the "Otrudnoe" Training Station. G. D. Nikitochkin, S. M. Rikkind. Dokl. TSKHA no. 75: 283-288 '62.

Regulate accounting for the amortization of capital assets in agriculture. V. Chebunin. Plan. khoz. 40 no. 2:75-78 F '63.

AGRICULTURE—ACCOUNTING—BIBLIOGRAPHY see Bibliography—Agriculture—Accounting

AGRICULTURE—AUDITING AND INSPECTION see subdivision under Ann'yov District; Kiev Province

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—CHILD LABOR see Children in agriculture

AGRICULTURE—CONGRESSES

At the Session of the Lenin All-Union Academy of Agricultural Sciences. Vest. sel'khoz. nauki 7 no. 5: 8-9 My '62.

AGRICULTURE—ECONOMIC ASPECTS

(see also subdivision under France; Kaskelen District; Mongolia; North Kazakhstan Province)

Economic efficiency of agricultural production and methods for calculating it. K. Obolenskiy. Ekon. sel'khoz. 33 no. 12:25-36 D '62.

"Economics of agricultural enterprises." Reviewed by O. Kanyavskiy. Ekon. Rad. Ukr. no. 8:124-126 N-D '62.

"Economics of socialist agriculture" by M. M. Sokolov. Reviewed by M. Gunerov. Ekon. sel'khoz. 33 no. 12: 115-120 D '62.

Land is the basic wealth of collective and state farms. K. Sergeev. Polit. samobor. 5 no. 11:98-103 N '62.

Land is the foremost resource of collective and state farms; methodological advice for propagandists. P. Makarenko. Komm. Mold. 7 no. 11:41-50 N '62.

Oblastnoi seminar propagandistskikh rabotnikov na temu "Metodicheskaia rabota i tvorchenie peredovogo kolektiva sel'skogo khoziaistva." 1962. [Experience educates and leads forward] Opyt vospityvaet, opyt vedet vpered; materialy. [Riazan'] Riazanskoe kalzhnoe izd-vo, 1962. 223 p.

Production funds of collective and state farms and how to improve their use; methodological advice for propagandists. Komm. Mold. 7 no. 11:50-65 N '62.

Research and study process. B. Khodasovich. Vop. ekon. no. 12:148-149 D '62.

Research coordination should be equal to the new tasks. E. Klotz, A. Belozertsev. Ekon. sel'khoz. 33 no. 12: 107-111 D '62.

Theoretical basis of the distribution and specialization of socialist agriculture. A. K. Nichev. Dokl. TSKHA no. 75:55-68 '62.

AGRICULTURE—ECONOMIC ASPECTS—BIBLIOGRAPHY see Bibliography—Agriculture—Economic aspects

AGRICULTURE—EXPERIMENTATION

Kudriavtseva, A. A. [Methods and techniques of setting up a field experiment at permanent field stations] Metodika i tekhnika postanovki polevogo opyta na stalionarnykh uchastkakh. 3. Izd. dop. i ispr. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1959. 318 p. (DNL)

AGRICULTURE—FINANCE

Evaluation of the economic efficiency of capital investments in agriculture. I. N. Nazimov. Dokl. TSKHA no. 75:31-40 '62.

From the work practice of main State Bank branches. Z. Stoliarova, G. Uglanika, I. Artemenko. Den. i kred. 20 no. 12:42-45 D '62.

Planning currency circulation in a village. I. Stavnyi. Den. i kred. 20 no. 12:9-16 D '62.

Production funds of collective and state farms and methods for their better utilization. S. Sednov. Polit. samobor. 0 no. 11:104-111 N '62.

AGRICULTURE—LABOR PRODUCTIVITY

(see also subdivision under Koshkopyr District; Lipetsk Province; Odessa Province; Verkhno-Chirkhskiy District; Virgin Territory; White Russia)

Increased labor productivity will open the road toward prosperity; methodological advice for propagandists. F. Koval', D. Pushko. Komm. Mold. 7 no. 12:84-72 D '62.

Members of the Communist Youth League discuss N. G. Zagladin's and I. D. Leonov's articles. Komsom. zhizn' no. 19:5-7 O '62.

They are marching toward new achievements. A. Zakharenko. Komm. Bel. 30 no. 12:41-45 D '62.

They must be punished. II. Zhitsinskiy. Sov. iust. no. 31:10-11 N '62.

AGRICULTURE—QUALITY CONTROL

Produce agricultural products of the highest quality. I. Melnikov. Ekon. sel'khoz. 33 no. 12:18-24 D '62.

AGRICULTURE—STATISTICS

Tallinn. Eesti maaviljeluse ja maaparanduse teadusliku uurimise institut. [Preparation of technical information cards on collective and state farms of the Estonian S.S.R.; methodological instructions and examples of cards] Tehnoloogiliste kaartide koostamine Eesti NSV kolhoosides ja sovhoosides; metoodilise juhendi ja naidiskarid. Tallinn, Eesti Riiklik Kirjastus, 1962. 73 p. [In Estonian]

AGRICULTURE—STUDY AND TEACHING

(see also subdivision under Kaluga Province; Rameski District)

Agricultural clubs and the propaganda of advanced practice. V. Kutsenko. Polit. samobor. 6 no. 11:75-78 '62.

At an important sector. Kul't. pron. rab. 23 no. 7:2-4 Ji '62.

Degree projects are defended on a collective farm. K. Loria. Vest. vys. shkoly 20 no. 12:63-64 D '62.

Into the knapsack of a detachment. IUn. nat. no. 1:12 Ja '63.

Lakra, V. M. [The village is studying] Selo uchitsia. Moskva, Sovetskaya Rossiya, 1962. 78 p. (Reshenii XXII s'ezda KPSS - v zhtzn')

Optimum size for field training farms of agricultural technical schools. IU. G. Kozlovskiy. Sred. spets. d. 8 no. 11:35-41 N '62.

Teach the example of innovators. Kul't. pron. rab. 23 no. 7:20-22 Ji '62.

They have no contact with life. V. Chel'tsov. Sots. obr. 23 no. 9:50-51 S '62.

Work training in agricultural schools. N. F. Pashin. Sred. spets. obr. 10 no. 1:10-17 Ja '63.

AGRICULTURE—TERMINOLOGY

Work of readers and translators with special terms. S. I. A. Russakovskiy. Opyt rab. bibliot. s inostr. lit. no. 3:40-46 '60.

AGRICULTURE, COOPERATIVE see subdivision under Bulgaria; Galicia

AGROBACTERIUM

Stem canker of raspberries. O. B. Natal'ina. Zaeshk. rast. ot vred. i boi. 4 no. 5:59 S-O '60.

AHUND-ZADE, FETH ALI, 1812-1878

Ahund-Zade, Feth Ali. [Selected philosophical works] Izbrannye filosofskie proizvedeniia. Moskva, Sots. gliz, 1962. 359 p.

Akademika nauk Azerbaidzhanskoi SSR, Baku. Respublikanski rukopisnyi fond. [Descriptive catalog of M. Akhundov's archival] Oplanie arkhiva M. F. Akhuna Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 273 p.

Conferences in memory of Mirza Fatali Akhundov. Vest. AN SSSR 33 no. 1:55 Ja '63.

AIR

(see also subdivision under Pacific Ocean; Siberia; Eastern)

Educational work during lessons on the subject "Air." G. M. Murtazin. Nach. shkola 30 no. 12:43-47 D '62.

AIR—ANALYSIS

Chromatographic partition and quantitative determination of nitrophenols in air. I. B. Kogan, I. P. Vasil'eva. Zav. lab. 28 no. 12:1428-1429 '62.

Determination of very small amounts of acids in air [with summary in English]. E. A. Peregod, E. S. Stepanenko, B. S. Bolikina. Zhur. anal. khim. 17 no. 6:770-771 S '62.

AIR—THERMAL PROPERTIES

Approximation of the thermodynamic functions of air. V. Vertushkin. Inzh. zhur. 2 no. 4:343-344 '62.

AIR, IONIZED

Distribution by size of light ions in the air. R. B. St. Izv. vys. ucheb. zav. i fiz. no. 8:16-21 '62.

Ionization of the air of rooms. V. F. Kirillov. Vod. san. tekhn. no. 12:1-3 D '62.

AIR, IONIZED—THERAPEUTIC USE

"Aerotherapy in hypertension" by F. G. Portnov. viewed by A. Skorobogatova. Izv. AN Latv. SSR no. 177-178 '61.

AIR COMPRESSORS

Dynamics of automatic valves of a piston compressor. P. A. Shelest. Izv. vys. ucheb. zav. i mashinost. no. 94-111 '62.

The IVV-10/8 air compressor. Mashinostroi. no. 12:11 D '62.

Invariant relationship between the operating conditions of cylinders of piston compressors. N. B. Kadirov. vys. ucheb. zav. i fiz. no. 4:93-97 '62.

Portable compressor stations. V. V. Shcherbak. S. i dor. mash. 7 no. 12:35-36 D '62.

Result of attaching a compressor to the BMP-115 ri. V. S. Kuts, G. A. Morozov. Gor. zhur. no. 5:71 N '62.

AIR CONDITIONING

Conference on air conditioning. Khol. tekhn. 30 no. 88 N-D '62.

The SKK-IPR and SKK-IPS crane air conditioners. A. S. Shvedunenko. Khol. tekhn. 39 no. 6:72-73 N '62.

AIR FLOW

Experimental study of the flow of rarefield air through porous bodies in the Knudsen and transition regimes. B. V. Deriagin, M. V. Telnov, N. N. Zayeva. Dokl. AN SSSR 147 no. 4:818-821 D '62.

AIR PILOTS

(see also subdivision under Krasnoyarsk; Lugansk)
Giving new pilots their assignments. B. Zenin. Grazhd. av. 12 no. 2:16-17 F '55.
His roads are in the sky. V. Korotkov. Kryl. rod. 14 no. 1:5 Ja '63.
Kotlarskii, M. A. [The winged ones] Okrylennyye. Moskva, Sovetskaya Rossiya, 1962. 197 p.
Preflight attitude. E. Panov. Grazhd. av. 12 no. 2:34-35 F '55.
Two captains. I. U. Kovalenko. Kryl. rod. 14 no. 1:3 Ja '63.

AIR PREHEATERS

Calculations of a blast furnace air preheater with variable air flow. F. R. Shklier, V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:178-188 '62.
Methods of calculating blast furnace air preheaters. F. R. Shklier, V. N. Timofeev, V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:229-245 '62.
Selecting optimum thermal rates for air preheater operations. F. R. Shklier, V. N. Timofeev, V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:276-288 '62.
Simultaneous blowing operation of two air preheaters. V. M. Malkin, F. R. Shklier. Sbor. nauch. trud. VNIIMT no. 8:250-277 '62.
Technical and economic comparison of new types of checkerwork for blast furnace air preheaters. V. N. Timofeev, S. P. Kashtanova. Sbor. nauch. trud. VNIIMT no. 8:289-301 '62.

AIR PREHEATERS—AERODYNAMICS

Aerodynamics of blast furnace air preheaters. V. N. Timofeev, F. R. Shklier, K. I. Paltanova. Sbor. nauch. trud. VNIIMT no. 8:302-347 '62.
Effect of the height of dividing walls on the aerodynamics of blast furnace air preheaters. V. N. Timofeev, F. R. Shklier, K. I. Paltanova. Sbor. nauch. trud. VNIIMT no. 8:340-359 '62.

AIR PREHEATERS—CLEANING

Concerning A. E. Ivanov's article "Mechanical cleaning of tubular air preheaters." I. I. Savin, O. A. Mlagkov. Energetik 11 no. 1:14 Ja '63.

AIR PREHEATERS—TESTING

Experimental investigation of the regenerative heat exchange process. F. R. Shklier, V. N. Timofeev. Sbor. nauch. trud. VNIIMT no. 8:110-136 '62.

AIR WARFARE

Night attack. A. Vodolazov. Sov. voen 45 no. 1:8-12 Ja '63.

AIRFOILS

Cruciform and T-shaped airfoils in a compressible flow. B. I. Fridlander. Inzh. zhur. 2 no. 4:245-261 '62.

AIRLINES

(see also subdivision under Ul'yanovsk)
The first flights. V. Uralov. Grazhd. av. 10 no. 9:20 S '62.
On the ground and in the air. S. Nekrasova. Obshchestv. pit. no. 11:60-61 N '62.

AIRLINES—ACCOUNTING

Improve the records and accounting. L. Ganykin. G. Grazhd. av. 12 no. 2:37 F '55.
Journal-voucher accounting system. I. Krasnukhin. Grazhd. av. 12 no. 2:30 F '55.
New methods for the deduction of amortization of airplanes. E. Ovrutskii. Grazhd. av. 12 no. 2:36 F '55.

AIRPLANES

The An-14 airplane called "Beo." M. Vladimirov. Grazhd. av. 10 no. 11:12-13 N '62.
Airplane with disk-shaped wings. B. Broude. Grazhd. av. 10 no. 11:20-20 N '62.
At the Exhibition of the Achievements of National Economy of the U.S.S.R. in 1962. I. Butina. Grazhd. av. 10 no. 11:16-17 N '62.
Four questions to general aircraft designer. A. I. Mikhlin. Av. i kosm. 45 no. 1:8-9 Ja '63.
Solomonov, P. A. [Service life of modern airplanes] O tekhnicheskoy resurse sovremennykh samoletov. Moskva, Voenizdat, 1962. 66 p.

AIRPLANES—DESIGN AND CONSTRUCTION

(see also subdivision under Ukraine)
Higher, faster and further. O. Antonov. Nauka i zhytita 12 no. 11:10-11 N '62.

AIRPLANES—ELECTRONIC EQUIPMENT

Testing inertia transducers. P. Nikitin. Av. i kosm. 45 no. 1:60-71 Ja '63.

AIRPLANES—ENGINES

The AI family of Soviet airplane engines. A. G. Ivchenko. Grazhd. av. 10 no. 11:10-11 N '62.
New motor. G. Lelekina. Nauka i zhytita 12 no. 7:36 JI '62.

AIRPLANES—FUEL SYSTEMS

Calculation of the fuel supply for an airplane. V. Razzhivin. Grazhd. av. 10 no. 9:27 S '62.

AIRPLANES—HYDRAULIC EQUIPMENT

Achieved by innovators. A. Kornenko. Av. i kosm. 45 no. 1:72 Ja '63.

AIRPLANES—ICE PREVENTION

Flight under icing conditions. A. Teterukov. Grazhd. av. 12 no. 3:12-15 F '55.

AIRPLANES—MAINTENANCE AND REPAIR

Shift maintenance of special-purpose airplanes. K. Kepyshov. Grazhd. av. 12 no. 2:27 F '55.
They say that conscience does not bother you. V. Gol'tsov. Grazhd. av. 10 no. 9:15 S '62.
What hinders the growth of labor productivity in airline maintenance and repair shops. D. Krasnyi. Grazhd. av. 12 no. 2:30-31 F '55.

AIRPLANES—MODELS

Model airplane records. M. Lebedinskii. Sov. voen 45 no. 1:25 Ja '63.
Modern radio-controlled airplane models. I. U. Khukhira. Kryl. rod. 14 no. 1:29-31 Ja '63.

AIRPLANES—PRESSURIZATION

Genkin, S. I., and N. D. Lebedinskaya. [Pressurization of modern airplanes] Germetizatsiya sovremennykh samoletov. Moskva, Voenizdat, 1962. 108 p.

AIRPLANES—RADIO EQUIPMENT—TESTING

Testing radio equipment on a vibratory stand. V. Chudakov. Av. i kosm. 45 no. 1:74 Ja '63.

AIRPLANES—TURBOJET ENGINES

Regulation of input devices of supersonic airplanes. I. U. Nechaev. Av. i kosm. 45 no. 1:53-59 Ja '63.
The Tu-124 is in service. Kryl. rod. 14 no. 1:16-16a Ja '63.

AIRPLANES, MILITARY—ARMAMENT

Preparing rockets more rapidly. E. Novogradskii. Av. i kosm. 45 no. 1:66-68 Ja '63.
Rocket airplanes. P. Khokhlov. Kryl. rod. 14 no. 1:27-29 Ja '63.

AIRPORTS

(see subdivision under Russia, Northern; Yakutsk)

AIRPORTS—MANAGEMENT

Business ability of a communist. P. Senechko. Grazhd. av. 10 no. 11:4 N '62.
Labor productivity. I. Rodionov. Grazhd. av. 10 no. 11:9 N '62.
Planting airports with trees is an important condition for a perfect passenger service. N. Kirsanov. Grazhd. av. 12 no. 2:38-39 F '55.

AK-SAY VALLEY (KIRGHIZISTAN)—BARLEY—FERTILIZERS AND MANURES

Practices in using trace elements in alpine regions. V. Z. Makaronko. Izv. Kir. fil. Vses. ob-va pochv. no. 1:45-53 '62.

AK-SAY VALLEY (KIRGHIZISTAN)—SOILS—PHOSPHORUS CONTENT

Translocation of phosphoric acid in soils of the Ak-Say Valley. T. D. Orozbaev. Izv. Kir. fil. Vses. ob-va pochv. no. 1:55-63 '62.

AKADEMGORODOK—ACADEMY OF SCIENCES OF THE U.S.S.R.

Akademgorodok in Siberia (to be continued). Anna Litvinova. Znaniia 32 no. 11:100-178 N '62.
Akademgorodok in Siberia (conclusion). Anna Litvinova. Znaniia 32 no. 12:150-170 D '62.

AKHUNBABAIEV, IUL'DASH, 1885-1943

Valley, Vakhid. [The people's voice; pages from the life and work of Iul'dash Akhunbabaev. Translated from the Uzbek] Narodnyi aksakal; stranitsy zhizni i dolgotnosli Iul'dasha Akhunbabaeva. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 102 p. (MII)

AKHUNDOV, MIRZA FATALI see Akhund-zade, Feth Ali, 1912-1978

AKMOLINSK see Taslinograd

AKMOLINSK PROVINCE see Taslinograd Province

AKNSTE REGION—LATVIAN LANGUAGE—DIALECTS

Dialectological studies [in Latvian]. K. Ancilla. Izv. AN Latv. SSR no. 10:66-73 '62.

AKTYUBINSK—INFANTS—GROWTH

Physical development of newborn infants in Aktyubinsk. A. F. D'achenko. Zdrav. Kozakh. 22 no. 7:42 '62.

AKTYUBINSK PROVINCE—AGRICULTURAL MACHINERY

Those who ruin machinery. K. Nokin. Sov. deput. trud. no. 1:63-67 Ja '63.

AKTYUBINSK PROVINCE—GEOLOGY, STRATIGRAPHIC

Correlation minerals and marker elements in Lower Permian deposits of the Aktyubinsk region of the Ural. Z. A. Anochkina. Dokl. AN SSSR 147 no. 4:931-934 D '62.

ALA-TAU, ZAILIYSKIY see Trans-III Ala-Tau

ALASKA—RUSSIAN EXPLORATION

History of the study of rivers and lakes of northwestern America. B. N. Vishnevskii. Izv. Vses. geog. ob-va 84 no. 6:507-510 N-D '62.

ALAY RANGE—GEOLOGY, STRATIGRAPHIC

Alay layers of the Trans-Alay and Alay Ranges. I. M. Arkhangelskii, T. I. A. Bronshtein, L. P. Kakhanova. Trudy VNIIGRI no. 190:308-411 '62.

ALAY RANGE REGION—SOILS

Stony soils in the Khodzha-Gair area. A. V. Kiritskii. Izv. Kir. fil. Vses. ob-va pochv. no. 1:95-97 '62.

ALAZANI VALLEY—IRRIGATION FARMING

Cultivating saline soils in the area of the Alazani irrigation system. N. T. Kandaurov. Trudy Gruz NIIIM no. 21:325-334 '60.
Technique of irrigating winter ear grain and seeded grasses grown on leached saline soils of the Alazani Valley. G. A. Nersisov. Trudy Gruz NIIIM no. 21:153-160 '60.

ALAZANI VALLEY—SALINE AND ALKALI SOILS

Change in the alkalinity of Alazani Valley saline soils during their cultivation. L. V. Chilingarova, A. S. Pyrkov. Trudy Gruz NIIIM no. 21:317-324 '60.

ALAZANI VALLEY—SOLONCHETZ SOILS

Practice of improving the soda-sulfate Solonchets soils on the right bank of Alazani Valley. V. S. Dantonian, L. V. Chilingarova, A. S. Pyrkov. Trudy Gruz NIIIM no. 21:77-84 '60.

ALBERON

New analytical reagent, alheron, and its interaction with beryllium ions [with summary in English]. I. P. Adamovich, O. V. Morgul'-Meskova, B. V. Rutala. Zhur. anal. khim. 17 no. 8:678-684 S '62.

ALBOMYCIN

Chemical structure of the antibiotic albomycin. Part 3: Products of the hydrazinolysis of peptides of semi-functional amino acids. E. P. Krysin, N. A. Poddubnaya. Zhur. ob. khim. 32 no. 12:4033-4087 D '62.
Chemical structure of the antibiotic albomycin. Report No. 6. N. A. Poddubnaya, E. P. Krysin. Vest. Mosk. un. Ser. 2:Khim. 16 [i.e. 17] no. 6:66-70 N-D '62.

ALCOHOL—PHYSIOLOGICAL EFFECT

Small dosage but great harm. L. A. Bogdanovich. Sov. Kras. krest 12 no. 4:27 JI-Ag '62.

ALCOHOLISM

Alcoholism and heredity. I. Polishchuk. Nauka i zhytita 12 no. 9:50-53 S '62.

ALCOHOLISM AND CRIME see subdivision under Michurinsk

ALCOHOLS

Acetylenic amino alcohols. Part 3: Reduction of a triple bond. N. M. Libman, S. G. Kuznetsov. Zhur. ob. khim. 33 no. 1:28-35 '63.
Adsorption of sulfonated aliphatic alcohols from aqueous salt solutions by channel black and graphite [with summary in English]. A. M. Kogenovskii, K. I. Zhur. 24 no. 6:702-708 N-D '62.
Determining the amount of gasoline and alcohol in water-and-alcohol solutions of the alkyl sulfates of secondary alcohols. V. I. Babev, T. S. El'kina, K. G. Besedina. Masl. -zhir. prom. 28 no. 12:28-29 D '62.
Discussing V. P. Garkunov's article. N. I. Avdentin. Khim. v shkole 17 no. 6:51-53 N-D '62.
Effect of temperature on the intensity of valence vibrations of the C-H bonds of certain simple alcohols in the liquid and solid states [with summary in English]. I. N. Khilimonova. Ukr. fiz. zhur. 7 no. 5:483-491 My '62.
Interaction of diacetylene with amino alcohols and amines. Report No. 3: Stereochemistry of the addition of alkyl amines and dialkyl amino alcohols to the triple bond of diacetylene and 1-buten-3-yne. M. F. Shostakovskii and others. Izv. AN SSSR. Otd. khim. nauk no. 12:2217-2220 D '62.
Methods of studying the topic "Alcohols." V. F. Skobelev. Khim. v shkole 17 no. 6:49-50 N-D '62.
Side reactions in the sulfonation of fatty alcohols. V. R. Varlanov, T. M. Ivanova. Masl. -zhir. prom. 28 no. 12:19-21 D '62.
Study of alcohols in a course of organic chemistry. A. V. Sokolova. Khim. v shkole 17 no. 6:47-48 N-D '62.
Studying the topic "Alcohols" in secondary schools. S. I. Kovach. Khim. v shkole 17 no. 6:50-51 N-D '62.

ALDEHYDES

Condensation of 6-quinolyl aldehyde with pyridine and quinoline bases. B. P. Lugovkin. Zhur. ob. khim. 33 no. 1:71-74 '63.
Precursors and fragments of antibiotics. Part 6: Condensation of aliphatic aldehydes with mercaptosulfonic acid and its ethyl ester. T. M. Voronkina, I. T. Shirukov, M. F. Shostakovskii. Zhur. ob. khim. 32 no. 12:3877-3881 D '62.
Reaction of aromatic aldehydes with derivatives of pyrazolone. Synthesis of 4-salicylidene-1-phenyl-3-methyl-5-pyrazolone and its reaction with titanium salt solutions. R. G. Belles, E. M. Belles. Zhur. ob. khim. 33 no. 1:100-102 '63.
Synthesis of polymers on the basis of 2, 6-lutidine and aromatic dialdehydes [with summary in English]. G. I. Kudrjavtsev, E. A. Vasil'eva-Sokolova, L. S. Masel'. Vysokom. soed. 5 no. 1:151-152 Ja '63.

ALEKSANDROV, ALEKSANDR DANILOVICH, 1912-
Aleksandr Danilovich Aleksandrov; on his 50th birthday. N. V. Filinov, V. A. Zalgaller, A. V. Pogorelov. Usp. mat. nauk 17 no. 8:172-184 N-D '62.
Aleksandr Danilovich Aleksandrov; on his 50th birthday. S. V. Vallander and others. Vest. LGU 18 no. 1:7-9 '63.

ALEKSEEV, MIKHAIL, 1895-
"Cherry pond"; a novel by Mikhail Alekseev. Reviewed by Vladimir Tsybin. Znamia 32 no. 10:218-221 O '62.

ALEKSEEV, PETR ALEKSEEVICH, 1840-1891
Petr Alekseev's life in Yakutia. S. S. Shusterman. Vop. ist. 38 no. 1:103-106 Ja '63.

ALEKSEEV, VENEDIKT PETROVICH, 1906-1961
In memory of Venedikt Petrovich Alekseev. Subtrop. kul't. no. 1:130-134 '62.

ALEKSI, Patriarch of Russia, 1677-
Decree of the Presidium of the Supreme Soviet of the U. S. S. R. on the decoration of His Holiness Patriarch Aleksii with the Order of the Red Banner of Labor. Zhur. Mosk. Patr. no. 11:3 N '62.
Salutatory message from the Holy Synod, clergy and flock of the Russian Orthodox Church to His Holiness Patriarch Aleksii on the occasion of His 85th birthday. Zhur. Mosk. Patr. no. 11:4 N '62.

ALFALFA see subdivision under Azorbaljan; Latvia; Virgin Territory

ALGAE
(see also subdivision under Kuybyshv Province; Polesye; Tajikistan; Vrevo, Lake; White Sea)
Collecting unicellular green algae under field conditions. R. A. Shavel'zon. Bot. zhur. 47 no. 11:1654-1655 N '62.
Nucleic acids and the evolution in a group of algae [with summary in English]. G. P. Serenkov. Izv. AN SSSR. Ser. biol. no. 6:857-868 N-D '62.

ALGAE—CULTURES AND CULTURE MEDIA
Effect of dissolved oxygen on the development of blue-green algae. M. V. Gusev. Dokl. AN SSSR 147 no. 4: 947-950 D '62.
Effect of organic nutrition on photosynthesis in Scenedesmus quadricauda (Turp.) Breh. [with summary in English]. L. H. Lytyvnenko. Ukr. bot. zhur. 19 no. 5:21-25 '62.
On a new simplified method of synchronizing chlorella cultures. K. S. Spokorov, E. A. Lin'kova. Dokl. AN SSSR 147 no. 4:987-988 D '62.

ALGEBRA—STUDY AND TEACHING
Introducing the elements of algebra in elementary schools. V. V. Davydov. Sov. pedagog. 28 no. 3:31-43 Ag '62.

ALGEBRA—TERMINOLOGY
Terminology of elementary algebra. G. B. Gurevich. Mat. v shkole no. 6:39-44 N-D '62.

ALGEBRA, ABSTRACT
Theory of numeroids in automation algebra. G. N. Poyarov. Probl. pered. inform. no. 11:23-33 '62.

ALGEBRA, UNIVERSAL—CONGRESSES
Fourth All-Union Conference on Universal Algebra. Usp. mat. nauk 17 no. 8:191-230 N-D '62.

ALGERIA—COMMUNIST PARTY
Unfair measure. Az. i Afr. seg. no. 1:56 Ja '63.

ALGERIA—POLITICAL ATROCITIES
"I will take on the color of the golden wheat..." Genevieve Verrier. Zhen. mira no. 9:32-34 '62.

ALGERIA—POLITICS AND GOVERNMENT
Algeria; seven years of heroic struggle for independence. Dara Taufik. Mol. mira no. 11/12:11-12 '61.
Creation of the Algerian national state during the Algerian struggle for independence. L. V. Spozanskaya, S. D. Shavardian. Sov. gos. i pravo 33 no. 1:87-96 I '63.
News from everywhere. Zhen. mira no. 4:4 '62.
November 1st is the national holiday of Algeria. Vsem. prof. dvizh. no. 12:8-10 D '62.
Prospects for peace in Algeria; an interview with Henri Alleg. Vsem. stud. nov. 16 no. 1:19-21 Ja '62.
The road to peace is open. Zhen. mira no. 5:5-7 '62.
What the OAS represents today? Vsem. stud. nov. 16 no. 5/6:5-7 My-Je '62.

ALGERIAN LITERATURE
"I will take on the color of the golden wheat..." Genevieve Verrier. Zhen. mira no. 9:32-34 '62.

ALIMENTARY CANAL—BLOOD SUPPLY
Some characteristics of growth and development of the vascular system of the gastrointestinal tract. I. U. P. Antychuk. Pratsi Inst. zool. AN URSR 19:104-109 '62.

ALIMENTARY CANAL—DISEASES
Burova, T. V., and T. F. Rabinakala. [Gastrointestinal diseases in children] Zheleznichno-kislotnyye zabolevaniya u detei. Moskva, Medgiz, 1962. 14 p. (Sovety roditeliam) (DNLM)

ALIMONY
Some remarks apropos of a suggestion concerning the proposed civil procedure code of the R. S. F. S. R. A. Abramov. Sov. iust. no. 24:20-21 D '62.

ALISOVA-KLOBUKOVA, EVGENIA NIKOLAEVNA, 1889-1962
Evgenia Nikolaevna Alisova-Klobukova (1889-1962). M. I. Kotov, N. E. Kabanov. Bot. zhur. 47 no. 11:1802-1804 N '62.

ALKALI METAL HALIDES
Alkali metal halides at high pressures and shock compression temperatures. L. V. Al'tshuler and others. Fiz. tver. tela 5 no. 1:270-280 Ja '63.
Simple method for calculating the surface energy of ionic crystals. S. N. Zadumkin, V. Kh. Khulamkhanov. Fiz. tver. tela 5 no. 1:48-51 Ja '63.

ALKALI METAL PERMANGANATES
Electric conductance of alkaline electrolytes used in permanganate production. G. M. Domanskaya, R. I. Agladze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:39-47 '62.

ALKALIES
Quantitative determination of nitrates in alkaline solutions. H. K. Terekhova, N. N. Shishkina. Izv. vys. ucheb. zav. i khim. tekhn. 5 no. 5:848-850 '62.

ALKALIES—ELECTRIC PROPERTIES
Electric conductance of alkaline electrolytes used in permanganate production. G. M. Domanskaya, R. I. Agladze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:39-47 '62.

ALKALINE EARTH FLUORIDE CRYSTALS—SPECTRA
Deformation splitting of lines in the spectra of alkaline earth fluoride crystals activated with Sm and Eu divalent ions. A. A. Kaplanski, A. K. Przhvuskii. Opt. i spektr. 13 no. 6:862-864 '62.

ALKALOIDS
Alkaloids from Choleya ternata H. B. and K. Structure of "choleyne." V. I. Prolova, A. D. Kuzovkov. Zhur. ob. khim. 33 no. 1:121-125 '63.
Alkaloids from Piptanthus nanus. Methylation products of piptanthine. A. P. Iakovleva, N. F. Proskurnina. Zhur. ob. khim. 33 no. 1:125-127 '63.
Alkaloids Haplophyllum. Part 3: Structure of dubindine and dubamine. G. P. Sidakin and others. Zhur. ob. khim. 32 no. 12:4091-4098 D '62.
Chromatographic study of the alkaloid composition of the leaves and glandular preparations from Scopolia himalaica [with summary in English]. E. S. Gritsava. Apt. delo 12 no. 3:21-25 My-Je '62.

ALKANES see Paraffins

ALKENES see Olefins

ALKOXY GROUPS
Adsorption and heat of adsorption of vapors on alkoxy-lated silica [with summary in English]. B. G. Aristov, I. U. Babkin, A. V. Kiselev. Koll. zhur. 24 no. 6:643-647 N-D '62.

ALKYLATION
Continuous alkylation of peat phenols in the presence of ion exchange resin. S. A. Dmitriev, K. D. Korenev, O. N. TSvetkov. Ter. prom. 39 no. 8:16-18 '62.
Haloalkylation of some compounds of the benzene series by haloolefins in the presence of sulfuric acid. A. D. Petrov and others. Neftekhimiya 2 no. 5:776-783 S-O '62.
Interaction of 1, 3, 5-N, N-pentaalkyl-4-aminopyrazoles with alkylating agents. N. I. Kudriashova and others. Zhur. ob. khim. 33 no. 1:173-178 '63.
Syntheses in the pyridine series. Part 2: Alkylation of 2- and 4-mercaptopyridines with haloalkylmethyls. I. Kh. Feidman, A. V. Voropaeva. Zhur. ob. khim. 33 no. 1:269-273 '63.

ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see
Communist party of the soviet union

ALLELOPATHY
Phytocenosotic role of physiologically active plant secretions; review of literature. A. M. Hrodzinskiy. Ukr. bot. zhur. 19 no. 5:3-20 '62.

ALLENE
Thermal dimerization of allene. I. A. M. Slobodin, A. P. Khitrov. Zhur. ob. khim. 33 no. 1:153-157 '63.

ALLOAROMADENDRENE
Study of the constituents of essential oils. Part 1: Oxidation of alloaromadendrene by perbenzoic acid and its bromination. M. I. Gorlaev, F. S. Sharipova. Zhur. ob. khim. 33 no. 1:299-303 '63.

ALLOXAZINE
Allo- and isalloxazines. [Gastrointestinal diseases in children] Zheleznichno-kislotnyye zabolevaniya u detei. Moskva, Medgiz, 1962. 14 p. (Sovety roditeliam) (DNLM)

ALLOYS
Application of rep binary systems. tver. tela 5 no. Effect of the addition of sound in [lish]. L. O. Sver. 1110-1117 O '6 Mechanism underl within the meltin F. S. Novik. Dok '62.
Method for the in of high boiling r pressures [with kov, V. M. Edol' 38 no. 12:2808- Nonlinear equatio application to the Khachaturian. F Superconductivity [with summary in Mikhailov. Zhur 2113 D '62.

ALLOYS—THERMA
Some regular featu duction of metals Teplo- i massop. Variation of the ht alloys due to me: massoper. 1:12

ALLYL ALCOHOL
Catalytic and elec pounds on platin platinum platini T. I. Pochekava 2754 D '62.

ALLYL COMPOUND
Alkenylation and h compounds in the catalyst. I. A. M. SSSR 147 no. 4:1

ALMA-ATA—BOOE
At exhibitions of b torg. 14 no. 1:4

ALMA-ATA—OFFE TY
Embezzlers and p M. Prudlin. Soc

ALMA-ATA—TELE
Azimuthal μ -meso of Kazakh State l Geomag. i aer. :

ALMA-ATA PROVII
Changes in the che Alma-Ata fruit z degree and store; i ovoshch. no. 7:

ALMA-ATA PROVII
Antibiotics and the of coccidiosis in V. M. Petrov. Ve 33-37 Mr '62.

ALMA-ATA PROVII
A new species of b Aedes (Diptera, summary in Engl 41 no. 4:886-888

ALMA-ATA PROVII PESTS
Antibiotics and the of coccidiosis in V. M. Petrov. Ve 33-37 Mr '62.

ALMA-ATA PROVII
Effect of the state, of infectious ente Province. G. I. I [Kazakh.] 5 no.

ALMA-ATA PROVII
Technology of wlu Zh. Kh. Isabaev. no. 3:54-61 Mr

ALMA-ATA REGIO
The M-81 preparat Santsova. Zashch Ji '60.

ALMA-ATA REGION—RED SPIDER—EXTERMINATION

The M-81 preparation for controlling fruit mites. M. P. Samsova. Zashch. rast. ot vred. i bol. 5 no. 7:30-31 J '60.

ALMA-ATA REGION—VEGETABLE GARDENING

Economic effectiveness of the production of vegetables on suburban state farms of Alma-Ata. A. F. Bukharov. Vest. sel'khoz. nauk [Kazakh.] 5 no. 12:17-22 D '62.

ALMALYK—ORE DRESSING

First section of a copper-ore dressing plant is in operation. N. Solov'eva. Nar. khoz. Uzb. 4 no. 11: 23-24 N '62.

ALPHA RAYS—SPECTRA

On α -decay of Ac^{225} [with summary in English]. B. S. Dzhelekov, R. B. Ivanov, L. N. Moskvina. Zhur. eksp. i teor. fiz. 43 no. 6:2077-2079 D '62.

ALTAI MOUNTAINS—METALS, RARE AND MINOR

Characteristics of the spatial distribution of pegmatite deposits in the Mongolian Altai anticlinorium. A. N. Leont'ev, K. L. Volochkovich. Trudy IMGRE no. 8: 5-10 '62.

ALTAI MOUNTAINS—PEGMATITES

Characteristics of the spatial distribution of pegmatite deposits in the Mongolian Altai anticlinorium. A. N. Leont'ev, K. L. Volochkovich. Trudy IMGRE no. 8: 5-10 '62.

ALTAI TERRITORY—AGRICULTURAL RESEARCH

Institute without walls. N. Bykov, A. Gostev. Ogonek 40 no. 37:20-21 S '62.

ALTAI TERRITORY—AGRICULTURAL WORKERS

Fraternity of the steppe. Galina Botashko. Ogonek 40 no. 37:16 S '62.

ALTAI TERRITORY—BROAD BEAN

Chukanova, N. I. [Beans as a valuable forage crop in row crop rotations] Boby - tsennaya kormovaya kul'tura propashnoi sistemy zemledelia. Moskva, Sel'khozizdat, 1962. 46 p. (ONAL)

ALTAI TERRITORY—ECONOMIC POLICY

Chilikin, V. K. [The Altai Territory in the fifth five-year plan] Altai'skii kraj v piatol' platil'tse. Barnaul, Altai-skoe knizhnoe izd-vo, 1964. 67 p.

ALTAI TERRITORY—FEEDS

Row crop cultivation and problems of feeding farm animals [with summaries in English, German, and French]. N. K. Vishniakov. Vest. sel'khoz. nauk 7 no. 6:42-54 My '62.

ALTAI TERRITORY—VEGETABLE GARDENING

Effectiveness of soil-humus pots using various amounts of mineral fertilizers. V. Korobeynikov, M. Leont'eva. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:151-156 '62.

ALTAIC LANGUAGES—GRAMMAR, COMPARATIVE

Kotwicz, W. [Studies on the Altaic languages. Translated from the Polish] Issledovanie po altaiskimazykam. Moskva, Izd-vo inostr. lit-ry, 1962. 371 p.

ALUMINUM

Antipin, L. N., and S. F. Vazhenin. [Saving of electric power in stepped-up production of aluminum] Ekonomika elektroenergii pri intensifikatsii proizvodstva aluminia. Sverdlovsk, Metallurgizdat, 1961. 34 p. Properties of the lower excited states of P^{10} and Al^{27} nuclei determined from data on inelastic proton scattering. S. S. Vasil'ev, E. A. Romanovskii, G. F. Timushev. Izv. AN SSSR, Ser. fiz. 16 no. 12:1508-1517 D '62.

ALUMINUM—ANALYSIS

Chromoxane Violet P, a reagent for a total or separate determination of microgram quantities of aluminum and iron. Part 1: Determination of aluminum and iron in natural waters. N. F. Lisenko, I. S. Mustafin, L. A. Molot. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:712-716 '62.

Colorimetric determining of aluminum in titanium dioxide pigments. V. A. Malevanov, I. Lakokras. mat. i kh. prikl. no. 5:54-56 '62.

Use of stilbazole in the photocolometric determining of aluminum in wine and juices. E. V. Zolov, M. S. Shchekunova. Trudy MNIIP 1:137-140 '61.

ALUMINUM—METALLURGY

Battery of continuously operating digesters with air blast agitation. P. I. Volpin, A. I. Dem'yanenko, A. I. Liapunov. TSvet. met. 36 no. 9:88-89 S '62.

ALUMINUM—SPECTRA

Spectrochemical determination of aluminum in titanium tetrachloride. M. S. Beiselskii, N. K. Drushina, V. G. Yanovskaya. Titan i ego splavy no. 8:247-250 '62.

ALUMINUM—WELDING

Chemical nickel coating of welded aluminum parts. S. A. Vishenkov and others. Metalloved. i term. obr. met. no. 12:32-38 D '62. Method of joining aluminum with steel. F. I. Rasdul, V. P. Sitnikov. Svar. proizv. no. 7:12-15 J '62.

ALUMINUM ALLOYS

Short-term creep of aluminum alloys. S. T. Milenko, V. I. Telenkov. PMTF no. 5:168-174 S-O '62.

ALUMINUM ALLOYS—WELDING

Ultrasonic testing of the spot welding of aluminum alloys. I. V. Vavulo. Svar. proizv. no. 7:37-39 J '62.

ALUMINUM COATING—OPTICAL PROPERTIES

Optical characteristics of electropolished and anodized aluminum and some properties of oxide films. N. B. Rekant, M. K. Bologa. Izv. AN Mold. SSR no. 9:3-11 '62.

ALUMINUM-COPPER ALLOYS see Copper-aluminum alloys

ALUMINUM-COPPER-LITHIUM ALLOYS—TESTING

Effect of iron, silicon, and manganese on the properties of aluminum-copper-lithium alloys. M. E. Drita, Z. A. Syderakala, V. I. Kuz'mina. Izv. AN SSSR, Otd. tekh. nauk. Met. i topl. no. 6:150-158 N-D '62.

ALUMINUM CRYSTALS

Cyclotron resonance in aluminum. A. A. Galkin, V. P. Naberezhnykh, V. L. Mel'nik. Fiz. tver. tela 5 no. 1: 201-210 Ja '63.

ALUMINUM FLUORIDE

Chemism of the process and composition of solid phases formed by the interaction of aluminum and sodium fluorides. M. N. Smolnov. TSvet. met. 36 no. 9:61-67 S '62.

ALUMINUM-IRON ALLOYS see Iron-aluminum alloys

ALUMINUM ORGANIC COMPOUNDS

Initiation of radical polymerization by the peroxide derivatives of organoaluminum compounds [with summary in English]. E. B. Milovskaya, P. I. Dolgopolskaya. Vysokom. soed. 5 no. 1:151 Ja '63.

Inverse piezoeffect of Z-cut of guanidine aluminum sulfate crystals. I. S. Zheludev, V. S. Lelokov. Kristallografiya 7 no. 3:463-465 My-Je '62.

ALUMINUM OXIDE

Effect of the degree of dehydration of the Al_2O_3 surface on its adsorption properties and elementary areas occupied by adsorbed molecules. M. P. Maksimova, V. E. Vasserberg, A. A. Balandina. Izv. AN SSSR, Otd. khim. nauk no. 1:17-21 '63.

ALUMINUM SALTS

Effect of the aluminum salt on the polarographic behavior of thiamine [with summary in English]. G. P. Tikhomirova, S. L. Belon'kaya. Zhur. anal. khim. 17 no. 6:787-789 S '62.

ALUMINUM SILICATES

Dissolution of aluminum silicates in the rhizosphere of forest stands [with summary in English]. G. A. Kulai. Izv. AN SSSR, Ser. biol. no. 6:915-920 N-D '62.

ALUMINUM-TITANIUM ALLOYS see Titanium-aluminum alloys

ALUMINUM-ZINC ALLOYS

Softening of deformed alloys of Al-Zn. I. V. Krivusha. Izv. vys. ucheb. zav. i fiz. no. 6:52-56 '62.

ALUMS

Paramagnetic absorption in parallel fields in chrome alums and Tutton's salt of manganese. V. A. Kutuzov. Izv. AN SSSR, Ser. fiz. 27 no. 1:81-82 Ja '63.

ALUSHTA—MOTORBUS LINES—STATIONS

Bus station in Alushta. V. Logunova. Strel. i arkh. 10 no. 8:22 Ag '62.

AMALGAMS

Electrochemical investigation of indium-gold amalgams. A. I. Zebrev, S. A. Levitskaya. Zhur. fiz. khim. 36 no. 12:2789-2803 D '62.

AMAN, THEODOR, 1831-1891

Mosescu-Machuk, B. [Theodor Aman] Teodor Aman. Bucharest, Izd-vo "Meridiany," 1962. 7 p. illus. (Rumynskie khudozhniki)

AMATEUR MOTION PICTURES

Join our ranks! A. Mel'kumov. Sov. profsoyuz 10 no. 1:28-29 Ja '63.

AMATEUR RADIO STATIONS

CQ 55D. Radio no. 1:22-23 Ja '63.

AMATEUR THEATRICALS

Amateur theaters. A. Dmitriuk. Part. zhizn' no. 2:53-58 Ja '63.

Equal to the best. A. Shatrin. Kul't. pros. rab. 23 no. 7:10-14 J '62.

Festival of people's theaters. Kul't. pros. rab. 23 no. 7: 8-10 J '62.

Look at Nurgusum. L. Blakhov. Kul't. pros. rab. 23 no. 7:14-16 J '62.

[People's theaters] Narodno teatry. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 124 p. (Biblioteka "Khudozhestvennaya samodelatel'nost' no. 32)

AMBARY HEMP

Green gold. A. Koldakov, N. Urzhumtseva. NTO 4 no. 9:34 S '62.

AMBARY HEMP—DISEASES AND PESTS see subdivision Tashkent Province

AMBARY HEMP—HARVESTING see subdivision under Kirghizistan

AMERICAN LITERATURE—HISTORY AND CRITICISM

Cassandra's voice; book reviews. Boris Izakov. Nov. vrem. 20 no. 2:30-32 Ja '63.

AMERICAN NEWSPAPERS see subdivision under New York (City)

AMERICANS see subdivision under India

AMERICIUM COMPOUNDS

Complex formation of americium with diisocyanate ester of methylphosphinic acid. V. I. Zemliankina, G. P. Savoskina, M. F. Pashchenkov. Radiokhimiya 4 no. 6: 655-660 '62.

AMERICIUM PLATING

Electrodeposition of Am and Cm from aqueous solutions on a platinum cathode. A. G. Samarskaya. Radiokhimiya 4 no. 6:666-700 '62.

AMIDES

Desamidation of brain proteins and changes in their macrostructure due to insulin treatment. L. I. A. Tikhopyl'd. Dokl. AN SSSR 147 no. 4:964-966 D '62.

AMINES

Determination of primary and secondary amino groups in polynuclear polyamines [with summary in English]. E. A. Emelin, I. A. TSarfin. Zhur. anal. khim. 17 no. 6:759-762 S '62.

Interaction of diacetylene with amine alcohols and amines. Report No. 3: Stereochemistry of the addition of alkyl amines and dialkyl amine alcohols to the triple bond of diacetylene and 1-buten-3-yne. M. F. Shostakovskii and others. Izv. AN SSSR, Otd. khim. nauk no. 12:2217-2220 D '62.

Properties of phosphines. Part 5: Reaction of phosphines with chloroamines, sulfonyl chlorides, and amines. K. A. Petrov and others. Zhur. ob. khim. 32 no. 12:4017-4022 D '62.

Reactions of isonitriles with amine salts. I. U. V. Mlin, V. R. Glushenkova, G. P. Vlasov. Zhur. ob. khim. 32 no. 12:3867-3871 D '62.

Sensitized formation of ion radicals of aromatic amines in the radiolysis of frozen organic glasses. Kh. S. Bagdasarian, Z. A. Simityana. Dokl. AN SSSR 147 no. 6:1306-1308 D '62.

AMINO ACIDS

Amino acid composition of micro-organisms of the rumen of cows fed urea. F. I. Vrydnyk. Nauk. pratsi Nauk. -dosl. inst. zem. i var. zakh. radoniv. URSS 14 no. 4:28-32 '61.

Chemical structure of the antibiotic albomycin. Part 3: Products of the hydrolysis of peptides and semi-functional amino acids. E. P. Krysin, N. A. Poddubnaya. Zhur. ob. khim. 32 no. 12:4083-4087 D '62.

Dynamic of amino acids and different sugars in woody plants of various winter hardiness. I. V. Borzakova. Vsesoyuz. Bot. suda AN URSS no. 4:51-57 '62.

Effect of temperature influences on the amino acid composition of milk proteins. N. P. Bakulina. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:323-326 '62.

Possibility of converting aroylic amino acids to pyrimidine derivatives. I. U. P. Shvachkin, M. T. Azarova. Vest. Mosk. un. Ser. 2: Khim. 10 [1. e. 17]. no. 6:71-72 N-D '62.

AMINO GROUP

Determination of primary and secondary amino groups in polynuclear polyamines [with summary in English]. E. A. Emelin, I. A. TSarfin. Zhur. anal. khim. 17 no. 6:759-762 S '62.

AMINOMETHYLATION

Interaction of the compounds containing mobile hydrogen atoms with substituted acid amides. B. A. Porai-Koshits, I. A. Kvitko. Zhur. ob. khim. 32 no. 12: 4050-4056 D '62.

AMINOPYRINE

Microcrystalloscopic reaction for the detection of pyrimidin in drug mixtures. L. V. Pesakhovich. Apt. delo 12 no. 3:87-89 My-Je '62.

AMITOSIS

Cytospectrophotometry of DNA in direct division nucleus, as exemplified by a study of fibroblasts the subcutaneous connective tissue both in the state and in the focus of inflammation. V. I. A. N. G. Khushchev. Dokl. AN SSSR 147 no. 4: D '62.

AMMELIDE—SPECTRA

Spectrophotometric method for the analysis of and the products of its hydrolysis: ammeline, lide, and cyanuric acid [with summary in English]. N. N. Botsov, A. I. Finkel'shtein. Zhur. anal. 17 no. 8:748-750 S '62.

AMMELINE—SPECTRA

Spectrophotometric method for the analysis of melamine and the products of its hydrolysis: ammeline, ammelide, and cyanuric acid [with summary in English]. E.N. Bolisov, A.I. Finkel'shtein. Zhur. anal. khim. 17 no. 6:748-750 S '62.

AMMINES

Complex compounds of indium of lowest valency. Synthesis and properties of indium dihalide amines. A.P. Kochetkova, V.G. Tronev, O.N. Giliarov. Dokl. AN SSSR 147 no. 6:1373-1375 D '62.

AMMONIA

Ammonia nitrogen content of peat manures [with summaries in English, German, and French]. L.A. Gorshkov, S.G. Kocher. Vest. sel'khoz. nauk 7 no. 10:18-20 O '62.
Formation of hydrogen cyanide in the adiabatic compression of methane mixtures with ammonia. D.S. TSKha, M.D. Borodina. Dokl. AN SSSR 147 no. 4:860-862 D '62.
Sorting ammonia molecules by means of an electric field. A.A. Sokova. Trudy Inst. Kom. stand., mer i izm. prib. no. 59:101-108 '62.

AMMONIA AS FERTILIZER

(see also subdivision under United States)

Absorption of ammonia nitrogen and its translocation in meadow Sierozem soils in the Chu Valley using supplementary nitrogen fertilizers for sugar beets combined with furrow irrigation. L.I. Dashevskii. Izv. Kir. fil. Vses. ob-va pozhv no. 1:65-72 '62.
Availability of ammonia nitrogen from solutions and adsorbents to plants. A.R. Pastukhova. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:255-258 '62.

AMMONIFICATION

Distribution of ammonifiers in soils of main forest types in the "Kivach" Preserve. V.V. Ershov. Trudy Kar. fil. AN SSSR no. 34:147-154 '62.

AMMONIUM COMPOUNDS

Polarographic determination of the ammonium ion. I.A. Tur'yan, B.P. Zhanalal. Zav. lab. 28 no. 12:1431-1434 '62.

Verification of the polarographic method of determination of the ammonium ion. P.I.A. Iakovlev, R.D. Malinina. Zav. lab. 28 no. 12:1434-1435 '62.

AMMONIUM HYDROXIDE

Increasing the protein value of corn silage [with summaries in English, German, and French]. S.I.A. Zafren. Vest. sel'khoz. nauk 7 no. 6:55-58 My '62.

AMMONIUM MOLYBDATE

Treatment of intermediate molybdenum products for ammonium molybdate used in agriculture. K.I.A. Shapiro, I.U. N. Urkevich, V.A. Skorov. TSvet. met. 35 no. 9:87-70 S '62.

AMMONIUM NITRATE

Conversion reactions of mixed nitrate salts. G.D. Chachanidze, Z.A. Karumidze, T.S. G. Kharashevili. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:169-180 '62.

AMMONIUM SALTS

Isolation from petroleum of ammonium salts of naphthoic acids. A.A. Agoev. Izv. vys. ucheb. zav. i nauch. i gaz 5 no. 4:59-63 '62.

Synthesis of substances with hypotensive action from derivatives of quaternary ammonium bases. Report No. 5: Quaternary salts of 1,6-hexamethylene-bis-(dimethylamine) [with summary in English]. I.B. Simon. Trudy Ukr. nauch. -issl. inst. eksper. enlok. 18:356-360 '61.

AMMONIUM SULFATE

Concerning M.I.A. Finkel's article "Modernization of the technological procedures in ammonium sulfate producing sections." L.F. Kuzmichenko, M.I. Podzeikov, V.M. Kalashnikov. Koks i khim. no. 12:97 '62.

Modernization of the technological procedures in ammonium sulfate producing sections. M.I.A. Finkel', Koks i khim. no. 12:33-38 '62.

Use of the separation water from the pyridine distillation apparatus as a reflux in the ammonium column. D.S. Petrenko, Koks i khim. no. 12:50-51 '62.

subdivision under Azerbaijan

barbamit, luminal and evipan sodium.
dejo 12 no. 3:86-87 My-Je '62.

Zhen.

ital
oz, 40

AMPLIFIERS (ELECTRONICS)

Multistage d.c. amplifiers with a combined use of magnetic amplifiers and transistors. N.V. Nikitin. Trudy Inst. Kom. stand., mer i izm. prib. no. 50:58-71 '62.

A new method for determining the amplification of a traveling-wave tube. A.F. Golubentsev. Radiotekhn. i elektron. 8 no. 1:178-181 Ja '63.

AMRITA PRITAM, 1919-

"Windows, large and small" [in Panjabi] by Amrita Pritam. Reviewed by I. Rabinovich. Az. i Afr. seg. no. 1: 61-62 Ja '63.

AMU DARYA DELTA—SEDIMENTS (GEOLOGY)

Geology of Upper Quaternary and modern deltas of the Amu Darya and the rhythm of deltaic sedimentation. I.U. V. Shumakov. Trudy Inst. geol. AN Turk. SSR 3:116-128 '60.

AMUR CORK TREE see subdivision under Soviet Central Asia; Ukraine

AMUR PROVINCE—FROZEN GROUND

Frost cracking processes in the soils of the northwestern part of Amur Province. L.N. Maksimova. Merz. issl. no. 1:90-98 '61.

AMUR PROVINCE—GOLD MINES AND MINING—HYGIENIC ASPECTS

Thorough check-up. V. Novikov, Okhr. truda i sol. strakh. 8 no. 1:10-11 Ja '63.

AMUR PROVINCE—SOYBEAN—DISEASE AND PEST RESISTANCE

Treating soybean seeds with microelements before sowing. A.I. Nikitina. Zemledelie 24 no. 12:61-65 D '62.

AMUR VALLEY—FROZEN GROUND

Frost weathering of steep slopes of northern and southern exposures in southeastern Transbaikalia and the Amur Valley. G.M. Epshtein. Merz. issl. no. 1: 118-123 '61.

New data on permanently frozen ground in the upper Amur Valley (Pokrovka-Kuznetsovo). G.M. Epshtein. Merz. issl. no. 1:167-172 '61.

Temperature inversion of surface layers and the distribution of valley frozen ground in Transbaikalia and the Amur Valley. G.M. Epshtein. Merz. issl. no. 1:77-81 '61.

Vertically discontinuous structure of frozen ground comprising the flood plains of large rivers as revealed by the upper Amur and lower Ob' Valleys. G.M. Epshtein. Merz. issl. no. 1:82-89 '61.

AMUR VALLEY—GLACIAL EPOCH

Quaternary glaciation in the Amur basin. V.V. Nikol'skaya, V.P. Chichagov. Trudy Kom. chetv. per. 19:269-287 '62.

AMUR VALLEY—PEASANTRY

Starkov, M.L. [Peasants of the Amur Valley on the eve of the October Revolution] Amurskoe krest'iansvo kakano oklaria, Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1962. 87 p.

[MICROFILM]

AMUR VALLEY—RAIN AND RAINFALL

Analysis and methodology of calculating precipitation in the upper and middle Amur Basin and methods of calculating rainwater discharges. N.N. Solov'eva. Trudy Len. gidromet. inst. no. 11:28-31 '61.

Formula for calculating maximum rainwater discharges. N.N. Solov'eva. Trudy Len. gidromet. inst. no. 11: 280-301 '61.

AMUR VALLEY—RUNOFF

Analysis and methodology of calculating precipitation in the upper and middle Amur Basin and methods of calculating rainwater discharges. N.N. Solov'eva. Trudy Len. gidromet. inst. no. 11:28-31 '61.

Formula for calculating maximum rainwater discharges. N.N. Solov'eva. Trudy Len. gidromet. inst. no. 11: 280-301 '61.

AMUR VALLEY—SOILS—SILICON CONTENT

Deposition of silica from soil solutions during freezing [with summary in English]. I.U.A. Slavnyi, E.S. Vereh'eva. Pochvovedenie no. 9:80-84 S '62.

AMURSK—HISTORY

Amursk, the "younger brother" of Komsomol'sk-on-Amur. E.I. Elizarova. Ist. Arkh. 8 no. 5:203-204 S-O '62.

ANABAR VALLEY—ICE

New data on fossil ice in the tundra of the Anabar-Olenek interfluve. O.G. Bolarskii, K.L. Mitt. Merz. issl. no. 1:154-161 '61.

ANABAR VALLEY—LANDFORMS

Presence of relief forms of the glacial accumulation in the tundra of the Anabar-Olenek interfluve. O.G. Bolarskii, K.L. Mitt. Merz. issl. no. 1:145-153 '61.

ANABATINE

Oxidation of anabasins by hydrogen peroxide. I.A. L. Goldfarb, F.D. Alashev, V.K. Zver'ykina. Izv. AN SSSR. Otd. khim. nauk no. 12:2209-2216 D '62.

ANIMAL INTRODUCTION

A somewhat unusual story about tilapia fish, airplanes and electric power stations. *IU, AIn, IUn, nat.* no. 12: 15-17 D '62.

ANIMAL LOCOMOTION

Adaptation of vertebrates to locomotion on land. S. F. Manzil, *Pratsi Inst. zool. AN URSR* 18:12-19 '62.

ANIMALS

(see also subdivision under *Tanganyika*)

What do you know about them? V. Krivoshein. *IUn, nat.* no. 1:34 Ja '63.

ANIMALS, HABITS AND BEHAVIOR OF

Hail, winter dear! G. Skrobittskii. *IUn, nat.* no. 1:13-15 Ja '63.

Harvest of the Siberian pine nuts and taiga fauna. F. R. Shil'mark, A. I. Khlebnikov, *Priroda* 52 no. 1:105-107 '63.

Notes of a naturalist. P. Stefanov, P. Bondarenko, K. Khromov, *IUn, nat.* no. 1:36-39 Ja '63.

ANIMALS, TRAINING OF

Goat as a conductor. Nadezhda Kovler. *IUn, nat.* no. 12: 30-31 D '62.

ANIONS—ANALYSIS

Discovery of anions containing sulfur. V. G. Sil'chenko, *Russ. Vulk. sta.* no. 33:81-86 '62.

ANISOLE—TOXICOLOGY

Data on the substantiation of maximally permissible concentrations of o-amino-p-metoxianisole, o-nitro-p-metoxianisole and p-metoxianisole. G. N. Zueva, M. S. Tolgskaya. *Toks. nov. prom. khim. veshch.* no. 4:108-117 '62.

Functional and pathomorphological changes within the organism during the inhalation action of p-nitroanisole and p-aminoanisole. G. N. Zueva, V. I. Fedorova, *Toks. nov. prom. khim. veshch.* no. 4:101-106 '62.

ANISOTROPY

Electrical macroanisotropy of layered media. A. S. Grigorenko, *Uch. zap. SGU* 65:211-215 '60.

ANNIVERSARIES

Anniversary calendar. *Kult. pros. rab.* 23 no. 7:60-61 JI '62.

Dates, events, and people. *Komm. Bel.* 36 no. 12:74-78 D '62.

Historical dates. *Nar. osv.* no. 11:84-85 N '62.

Historical dates. *Nar. osv.* no. 12:80-81 D '62.

Noteworthy dates. *Nar. obr.* no. 1:120-127 Ja '63.

ANTARCTIC REGIONS

Concerning the Antarctic. *Meteor. i gidrol.* no. 1:81-82 Ja '63.

ANTARCTIC REGIONS—ALTITUDES

Height of Antarctica. K. K. Markov, *Priroda* 52 no. 1: 114-115 '63.

ANTARCTIC REGIONS—PHYSICAL GEOGRAPHY

Markov, K. K., V. I. Bardin, and A. I. Orlov. [Physico-geographical description of the coast line of eastern Antarctica] *Fiziko-geograficheskaya kharakteristika beregovoy polosy Vostochnoi Antarktidy. Pod red. O. A. Bor-machevskogo.* [Moskva] Izd-vo Mosk. univ., 1962, 147 p., illus.

ANTENNAS (ELECTRONICS)

Aimed into space. *IU, Kalfin, L. Rjabov. Znan. - stiz* 37 no. 11:12-13 N '62.

Concerning the article "Radiation pattern of sweeping-beam antennas." N. G. Ponomarev, *Radiotekh. i elektron.* 8 no. 1:184 Ja '63.

Phase radiation pattern and problem of antenna synthesis. E. G. Zeikin, *Radiotekh. i elektron.* 8 no. 1:42-52 Ja '63.

ANTHELMINTICS

Effect of hexachlorocyclohexane and carbon tetrachloride on the amounts of glycogen, lipids, and phosphorus compounds in the liver and the indices of the lipid composition of the blood in cattle. I. H. Pupin, S. I. Kuznetsov, *Nauch. pratsi Inst. zool. AN URSR* 18:12-19 '62.

ANTHOCYANIN

Anthocyanins of grape leaves (in Armenian with summary in Russian). A. M. Samvelian, *Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR* 5 no. 9/10:81-84 '62.

ANTHRACENE

Spectral investigation of the interaction between anthracene derivatives and monomers in the process of polymerization. Part 2: Reaction of anthracene with styrene [with summary in English]. A. S. Cherkasov, K. G. Voldakina, *Vysokom. speed.* 5 no. 1:70-87 Ja '63.

ANTHRACENE—SPECTRA

Testing the validity of the Kramers-Kronig dispersion relations in dilute anthracene solutions. L. I. Al'perovich, V. M. Korovina, *Opt. i spektr.* 13 no. 6:880-881 '62.

ANTHIPOMETRY—INSTRUMENTS

The coordinate measuring instrument and the measuring of the inferior angle of the horizontal profile of the face. M. M. Gerasimova, G. V. Lebedinskaya, *Sov. etn.* no. 6: 137-139 N-D '62.

ANTI-COMMUNIST MOVEMENT see subdivision under Turkey; United States

ANTI-AIRCRAFT GUNS

(see also subdivision under *Moscow region*)

Twenty-eighth expression of gratitude. A. Pen'kov. *Sov. voen* 45 no. 1:15 Ja '63.

ANTIBIOTICS

Antibiotics. Determination of the empirical formula and the synthesis of derivatives of bacitracin. A. N. Grinev, A. S. Mezentsev, D. V. Sibirskaya, *Zhur. ob. khim.* 33 no. 1:127-128 '63.

Antibiotics in animal husbandry. M. Levitskiy. *Nauka i zhyt'ye* 12 no. 10:42 O '62.

Antibiotics in controlling virus diseases of plants. A. K. Zashchek, *rast. ot vred. i bol.* 3 no. 11:41-42 N '60.

Bunin, K. V. [Immunity and rational immuno-antibiotic therapy of typhoid fever and dysentery] *Immunitet i ratsional'naya immuno-antibiototerapiya brizhynogo tifa i dizenterii.* Moskva, 1-1 Mosk. med. in-t im. I. M. Sechenova, 1962, 135 p. (DNLN)

Effect of feeding forage antibiotics on the growth and productivity of fattening young swine. I. L. Borts, V. A. Zhurba, *Nauch. trudy Polt. nauch. -issl. inst. svin.* 22:44-54 '62.

On the structure of the antibiotic heliomycin. A. N. Grinev, A. S. Mezentsev, D. V. Sibirskaya, *Zhur. ob. khim.* 33 no. 1:315 '63.

Stimulative effects of antibiotics on the bee colony [with summaries in English, German, and French]. P. P. Kopanevich. *Vest. sel'khoz. nauk* 7 no. 10:57-59 O '62.

ANTICOAGULANTS (MEDICINE)

Anticoagulant properties of rhodanic derivatives of 2-substituted indandiones. M. Koptelova, *Izv. AN Latv. SSR* no. 10:113-119 '62.

Practice in clinical application of the anticoagulant "omefin" of the indandione group. O. Kovsh and others. *Izv. AN Latv. SSR* no. 10:120-132 '62.

ANTIGENS AND ANTIBODIES

Diffusion precipitation in foot-and-mouth disease. M. K. Olinik, A. I. Dudnyukov, *Visnyk all' hosp. nauk* 8 no. 12:72-76 D '62.

ANTIMONY—ISOTOPIES

Preparation of antimony-125 without carrier by the extraction with oxygen-containing solvents. G. M. Daker, B. Z. Iofa, *Radtekhimika* 4 no. 6:744-746 '62.

ANTIMONY-SULFIDE CRYSTALS—THERMAL PROPERTIES

Temperature dependence of the kinetics of photoconductivity of Sb₂S₃ single crystals [with summary in English]. V. A. Brodoviy, V. I. Leshchenko, *Ukr. fiz. zhur.* 7 no. 10:1062-1067 O '62.

ANTIPIRYNE

Certain antipyrine dyes as reagents for the photometric determination of gallium [with summary in English]. A. I. Busev, L. M. Skrebkova, V. P. Zhivopistsev, *Zhur. anal. khim.* 17 no. 8:895-898 S '62.

ANTIQUITIES see Archaeology; also subdivision

'Antiquities' under *Azov*; *Azov Sea region*; *Black Sea region*; *Bulgaria*; *Cimmerian Bosphorus (Kingdom)*; *Doravievo*; *Istria*; *Latvia*; *Particapaum*; *Siberia*; *Tilgulo-Borekanka District*; *Turkmenistan*; *Ukraine*; *Uplis Tsikh*; *Velikiye Lukl Province*; *Volga Valley*; *Zaravshan Valley*

ANTIQUITIES, GREEK see subdivision under *Cimmerian Bosphorus (Kingdom)*

ANTIQUITIES, SARMATIAN see subdivision under

Buzuluk Valley

ANTISTREPTOKINASE

Importance of antistreptokinase in rheumatism. Kh. I. Melamed, I. M. Gubrdovich, *Zdrav. Bel.* 8 no. 12: 18-22 D '62.

ANTONELLO DE SALIBA, 1467-1535?

A portrait supposedly painted by Antonello de Saliba in the collections of the State Museum of Fine Arts. V. N. Geraschenkov, *Soob. GIMU* [no. 1]:38-44 '60.

ANTONI, Archbishop of Suva, 1914-

Antoni, Archbishop of Suva (on the occasion of his appointment as head of the new diocese in the British Isles). *Zhur. Mosk. Patr.* no. 11:17-19 N '62.

APARTMENT HOUSES

(see also subdivision under *Crimea*; *Donetsk*; *Germany*; *East*; *Kiev*; *Leningrad*; *Leningrad Province*; *Magnitogorsk*; *Moscow*; *Rostov-on-Don*; *Salavat*; *Technograd*; *Ufa*; *Ukraine*; *Ust'-Kamenogorsk*; *Uzbekistan*; *Zaporozhye*)

Apartment houses with walls made of foamed silicate slabs. V. Blazina, *Zhil. stroi.* no. 2:180-184 '62.

Completely precast buildings must have improved elements. Z. V. Kaplunov, *Stroi. i arkh. Len.* 25 no. 1:17-20 Ja '63.

Design of large-panel residential buildings for seismic effects. V. T. Raskezhovskii, *Sbor. nauch. trud. NII po stroi. ASIA* no. 1:28-72 '61.

The experience of leading collectives is available to all apartment-house organizations. *Gor. khoz. Mosk.* 38 no. 1:10-14 Ja '62.

Galkin, I. G. [Planning operation completion in housing construction] *Planirovaniye zadela v zhilishchnom stroitel'stvo; nauchno-issledovatel'skoe.* Moskva, Gosstroizdat, 1961. 45 p. (Nauchnye soobshcheniya, no. 14)

In the Academy of Construction and Architecture of the U.S.S.R. *Zhil. stroi.* no. 2:16d '62.

Integrated series of large-panel apartment houses and buildings for cultural and service purposes. V. Grundman and others. *Zhil. stroi.* no. 10:8-12 '62.

Models of apartments. *Zhil. stroi.* no. 1:23-25 '62.

New designs for apartment houses made of three-dimensional elements. V. Katsin and others. *Stroi. i arkh. Len.* 25 no. 1:11-14 Ja '62.

Planning apartments on the basis of demographic data. G. Platonov, P. Pozdaniakov, *Zhil. stroi.* no. 1:2-5 '62.

Precast apartment houses for rural areas. *Zhil. stroi.* no. 10:13-15 '62.

Proskurnin, V. P., S. M. Radchenko, and N. I. Molodtsov. [Flow sheets for the construction of completely prefabricated apartment houses] *Sbornik tekhnologicheskikh kart po stroitel'stvo polnosbornykh zhilykh zdani.* Moskva, Gosstroizdat, 1962, 311 p.

Raise the tempo and the quality, lower the cost of construction. *Zhil. stroi.* no. 2:2 of cover-1 '62.

The role of decoration in the architectural appearance of apartment houses. V. Makhrin. *Stroi. i arkh. Len.* 25 no. 1:16-20 Ja '62.

Strength, economy, beauty; for further improvement of large-panel housing construction. A. A. Sizov. *Stroi. i arkh. Len.* 25 no. 1:13-18 Ja '63.

Suggestions for improving standard designs for apartment houses. S. Kibirev, *Zhil. stroi.* no. 10:3-7 '62.

Toward new successes in the new year. *Zhil. stroi.* no. 1:1 '62.

APARTMENT HOUSES—ACCOUNTING see subdivision under *Baku*

APARTMENT HOUSES—BIBLIOGRAPHY see Bibliography—Apartment houses

APARTMENT HOUSES—DESIGN AND CONSTRUCTION see subdivision under *Hungary*

APARTMENT HOUSES—LIGHTING

Automatic control of the public space lighting in apartment houses. IA. V. Kisilinskii, *Gor. khoz. Mosk.* 38 no. 1:20 Ja '62.

APARTMENT HOUSES—MAINTENANCE AND REPAIR

(see also subdivision under *Leningrad*)

Deputies in the struggle for the preservation of apartment buildings. A. G. Galanov, *Gor. khoz. Mosk.* 38 no. 7:4-5 JI '62.

Economics of capital repair of apartment houses. V. A. Semonenko, M. B. Lobanov, *Gor. khoz. Mosk.* 38 no. 7:34-38 JI '62.

Give more attention to efficiency promoters. D. I. Katinin, *Gor. khoz. Mosk.* 38 no. 7:18 JI '62.

Improve the organization of capital repairs in apartment houses. V. S. Lebedev, *Gor. khoz. Mosk.* 38 no. 1:44-45 Ja '62.

Improve the role of superintendents. *Gor. khoz. Mosk.* 38 no. 7:17-18 JI '62.

Introduction of new machines and the displacement of manual labor in apartment-house economy. D. N. Smirnov, *Gor. khoz. Mosk.* 38 no. 7:8-9 JI '62.

Luk'yanov, N. V. [Mechanization of the principal repair and building operations] *Mekhanizatsiya osnovnykh remontno-stroitel'nykh rabot.* Moskva, Izd-vo M-va kommun. khoz., REFER, 1962, 141 p.

Take care of housing, a great national asset. S. M. Butusov, *Gor. khoz. Mosk.* 38 no. 7:1-3 JI '62.

Training personnel for apartment-house work. N. S. Nosdrin, *Gor. khoz. Mosk.* 38 no. 7:9-10 JI '62.

Use of convection gas drying apparatus in the repair of apartment houses. T. N. Smyslaeva, K. N. Pravovarov, *Sbor. nauch. rab. AKKH* no. 9:82-83 '61.

Volunteer repair brigades. V. P. Shcherbakov, *Gor. khoz. Mosk.* 38 no. 7:14 JI '62.

APARTMENT HOUSES—STANDARDS see subdivision under *Uzbekistan*

APATITE

(see also subdivision under *Lovozero Tundra*)
New technical methods and equipment for underground mining in apatite mines. V. V. Gushchin and others. *Gor. zhur.* no. 1:35-40 Ja '63.

APPELLATE PROCEDURE

Isn't it time to change procedure in lodging protests against executed judicial decisions and sentences? A. Khvorov, *Sots. zakon.* 40 no. 1:20 Ja '63.
The rulings of our courts. L. Panferov, *Sov. iust.* no. 1: 18 Ja '63.

APPENDIX (ANATOMY)—TUMORS

Cystic tumor of the appendix vermiformis simulating cancer of the ileocecal angle. M. I. Mishenin, Zdrav. Bel. 8 no. 12:88 D '62.

APPLE

(see also subdivision under Sakhalin; Ukraine)
Effect of the pH soil on the functions of leaves in apple trees. G. V. Shishkova. Vop. fiziol. i biokhim. kult. rast. no. 1:80-89 '62.
Photosynthesis intensity of apple leaves within a single shoot [with summary in English]. K. S. Harnaha, O. K. Kondratyuk. Ukr. bot. zhur. 19 no. 5:26-30 '62.
Root system of dwarf apple plants in nurseries. A. F. Popov. Vest. sel'khoz. nauki 7 no. 11:124-126 N '62.
Sugar content of tissues of the apple tree and planting dates [with summaries in English, German, and French]. V. K. Gramolin. Vest. sel'khoz. nauki 7 no. 11:132-134 N '62.

APPLE—DISEASES AND PESTS

(see also subdivision under Michurinsk District; Ukraine; White Russia)
Apple clearwing moth in the orchard of a collective farm. G. M. Levin, Zashch. rast. ot vred. i bol. 6 no. 10:54 O '60.
Entobacterin-3 and its use for controlling harmful insects. O. I. Shvetsova. Zashch. rast. ot vred. i bol. 4 no. 5:38 S-O '59.

APPLE—VARIETIES

(see also subdivision under Alma-Ata Province; Carpathian Mountains)
Biochemical characteristics of the buds of early, medium and late flowering varieties of apple. E. I. Eliseev, Biokhim. pl. i oveshch. no. 7:193-206 '62.

APPLE BREEDING

(see also subdivision under Chelyabinsk Province; Siberia, Western)
Effect of weather conditions, methods of castration, and pollination time on the quantity of ovaries, fruit, and seeds in apples and pears. M. I. Lazukov. Sbor. stud. nauch. issl. rab. TSKHA no. 11:101-104 '62.

APPROXIMATE COMPUTATION

Approximation methods applied in developing the problem of a radiating gas flow about a plate of finite length. A. T. Onufriev. PMTF no. 5:70-74 S-O '62.
Approximative method of calculating the development of ice. O. A. Kamenskaya. Trudy Len. gidromet. inst. no. 11:235-242 '61.
Method of successive approximations for a nonlinear integral equation with a fixed singularity. T. A. Ebanoldze. Trudy Vych. tsentra AN Gruz. SSR 2:59-64 '62.
Order of best approximations of continuous functions of two variables. A. A. Stepanov. Uch. zap. Volg. gos. ped. inst. no. 11:212-230 '59.

APRICOT see subdivision under Armenia

APSHERON ARCHIPELAGO—FOLDS (GEOLOGY)

Development of Pliocene fold structures in the northern part of the Apsheron Archipelago. N. I. Khalilov. Azerb. nef. khoz. 41 no. 8:7-9 Ag '62.

APSHERON ARCHIPELAGO—GEOLOGY, STRUCTURAL

New data on the tectonics of the northern part of the Apsheron Archipelago. N. I. Khalilov. Uch. zap. AGU. Geol.-geog. ser. no. 6:119-126 '61.

APSHERON PENINSULA—GEOLOGY

Ovyanov, S. T. [Geology and oil and gas potentials of the Fat'mai-Zykh anticlinal zone in the Apsheron Peninsula]. Geologiya i neftegazonosnost' Fat'mai-Zykh-ski Antiklinal'noi zony Apsheron'skogo poluostrova. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 410 p.

APSHERON PENINSULA—HYDROMETEOROLOGY

Hydrometeorological characteristics of the Zyrna-mora region. R. K. Nazirov, A. M. Ibragimov, A. A. Kerimov. Uch. zap. AGU. Geol.-geog. ser. no. 1:79-86 '62.

APSHERON PENINSULA—PETROLEUM GEOLOGY

Direct indications of the vertical migration of oil and its phases in the Pliocene and Quaternary of the Apsheron Peninsula. Sh. F. Mekhtiev, V. A. Gorin. Uch. zap. AGU. Geol.-geog. ser. no. 6:5-11 '61.

Formation of oil pools in the Sub-Kirmaki series in the Balakhany-Sabunchi-Ramany field. D. S. Orudzheva. Geol. nef. i gaz 7 no. 1:41-45 Ja '63.

Changes of the change of the qualitative character of the Fat'mai-Zykh anticlinal zone. S. T. Ovyanov. Uch. zap. AGU. Geol.-geog. ser. no. 6:23-28 '61.

ador Switzerland

ASSISTANCE,

for Palestine, no. 16 no. 5/6

named

ARAB REFUGEES see Refugees, Arabic

ARABEI, LIDZIA

"The measure of time; a tale" by L. Arabel. Reviewed by M. Katsushyn. Rab. i sl. 38 no. 12:20 D '62.

ARAL SEA REGION—CAVOLINIDAE, FOSSIL

New peropod mollusk from the Upper Eocene deposits of the U. S. S. R. I. A. Korobkov, R. K. Makarova. Paleont. zhur. no. 4:83-87 '62.

ARBITRATION, INDUSTRIAL see subdivision under Kazakhstan

ARBITRATION AND AWARD

Decisions of arbitration agencies. Sov. iust. no. 1:32 Ja '63.
Decisions of arbitration agencies. Sov. iust. no. 21:32 N '62.
Decisions of arbitration agencies. Sov. iust. no. 24:30 D '62.
Decisions of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. and the State Arbitration Agency attached to the Council of Ministers of the Lithuanian S. S. R. Inform. sbor. TSNIIMF no. 82. Mor. pravo i prak. no. 18:79-81 '62.
Termination and amendment of contracts in the practice of arbitration agencies. Z. Zamengof. Sots. zakon. 40 no. 1:84-86 Ja '63.

ARBORETUMS see subdivision under Ivanteyevka; Zhdanov region

ARBORVITAE see subdivision under Ukraine

ARBUZOV REARRANGEMENT see Rearrangements (Chemistry)

ARCHAEOLOGY

(see also subdivision under Aswan Dam region; Kazakhstan; Turkmenistan)
Activities of the departments of the Archaeological Institute, 1958-1960; Department of Scythian-Barmatian Archaeology. A. P. Smirnov. Krat. soob. Inst. arkheol. no. 80:118-125 '62.
Brief news on archaeology. Vokrug sveta no. 12:62-63 D '62.
Work of the sections and groups of the Institute of Archaeology of the Academy of Sciences of the U. S. S. R. G. A. Tsvetova, E. G. Kastanina, K. Kh. Kushnareva. Krat. soob. Inst. arkheol. no. 01:107-118 '62.

ARCHAEOLOGY—BIBLIOGRAPHY see Bibliography—Archaeology

ARCHAEOLOGY—MAPS see subdivision under Dnieper Valley

ARCHAEOLOGY, MEDIEVAL see subdivision under Dnieper Valley

ARCHANGEL—ARCHITECTURE

Why should our cities try to copy each other? D. Shiliev. Sov. deput. trud. no. 1:48-53 Ja '63.

ARCHANGEL—HOME AND SCHOOL

Parents' conferences draw the families and kindergarten closer together. R. A. Kitaeva. Doshk. voyp. 35 no. 9:92-93 S '62.

ARCHANGEL PROVINCE—AUTHORS—BIBLIOGRAPHY

Archangel. Oblastnaya biblioteka. [Writers and poets of Archangel Province; a bibliographic reference]. Piontoli i poety Arkhangel'skoi oblasti; bibliograficheski spravochnik. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 56 p.

[MICROFILM]

ARCHANGEL PROVINCE—COLLECTIVE FARMS

Bedanova, L. A. [Collectivization of agriculture in Archangel Province, 1927-1932]. Kolkhoznizatsiya sel'skogo khoziaistva v Arkhangel'skoi oblasti, 1927-1932 gg. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1961. 66 p. (CS-11)

ARCHANGEL PROVINCE—INDUSTRIES

Polezhaev, A. A. [Industry of Archangel Province]. Promyshlennost' Arkhangel'skoi oblasti. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1957. 38 p. (Arkhangel'skaya oblast' v shestoi pletilke) (Wau)

ARCHANGEL PROVINCE—LUMBERING

Advanced practices as the basis of technology. R. Tanshev. Les. prom. 40 no. 12:8 D '62.
Advantages of observing proper work practices in lumbering. A. Orlov. Les. khoz. 15 no. 11:72 N '62.

ARCHANGEL PROVINCE—LUMBERING—HYGIENIC ASPECTS

Don't pass by! V. Zhuravlev, M. Chapurina, Okhr. truda i sots. strakh. 6 no. 1:16 Ja '63.

ARCHANGEL PROVINCE—LUMBERMEN

Karin, G. A. [Good fortune] Schast'e. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 22 p. (Gerol meshik chel)

ARCHANGEL PROVINCE—RETAIL TRADE

At sea and on land. E. Kenovskii. Sov. potreb. koop. 5 no. 11:36-39 N '62.

ARCHANGEL PROVINCE—SOILS—COMPOSITION

Effect of the carbonate content of soil-forming rocks on the properties of soils in Ust'yanskiy District, Archangel Province. R. N. Prokhorova. Sbor. stud. nauch. issl. rab. TSKHA no. 11:293-297 '62.

ARCHES

Stability of arches with superstructure. M. I. A. D'akov. Stroil. mekh. i rasch. soor. 4 no. 6:36-40 '62.

ARCHIMEDES

Archimedes. [Works. Translated from the Greek and Arabic] Sochinenia. Vstup. stat'ia i kommentarii I. M. Vassilovskogo. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 639 p.

ARCHITECTURAL DECORATION AND ORNAMENT see Decoration and ornament, Architectural

ARCHITECTURE

(see also subdivision under Archangel; Ukraine)
Gegello, A. I. [From creative experience; the origin and development of an architectural conception]. Iz tvorcheskogo opyta; vozniknovenie i razvitiye arkhitekturnogo zamysla. Leningrad Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1962. 375 p.
Proportions in panel house construction. E. Sviatchenko. Stroil. arkhitekt. 10 no. 1:15-16 Ja '62.

ARCHITECTURE—ABSTRACTS

[Journal of abstracts: Construction and architecture] Ref. zhur. i Stroil. i arkhitekt. 5 no. 1 '63.

ARCHITECTURE—CONGRESSES

Moscow session of the International Union of Architects. Arkhitekt. SSSR no. 12:63 '62.
Sixth Session of the Academy of Construction and Architecture of the Ukrainian S. S. R. Stroil. i arkhitekt. 10 no. 12:40 D '62.

ARCHITECTURE—DESIGNS AND PLANS

(see also subdivision under Moscow; Zaporozh'ye)
Calculate the cost of planning and surveying work correctly. M. Rybalko and others. Bukh. uch. 19 no. 12:40-43 D '62.
An integrated series of residential and public buildings for rural construction. Blul. stroit. tekhn. 10 no. 12:42-44 D '62.
The Kharkov branch of the State Institute for City Planning. V. L. Istovoi. Stroil. i arkhitekt. 10 no. 12:28-29 D '62.
Moscow. Arkhitekturnyi institut. Kafedra "Osnovy arkhitekturnogo proektirovaniya." [Introduction to architectural design]. Vvedenie v arkhitekturnoe proektirovaniye. Moskva, Gosstroizdat, 1962. 176 p.
Technical and economic indices of plans of completely precast public buildings. A. Budilovich. Zhil. stroit. no. 12:4-8 '62.

ARCHITECTURE, PRIMITIVE see subdivision under Geok-Syur Oasis

ARCHITECTURE AND CLIMATE

(see also subdivision under Ukraine)
Give greater consideration to climatic features. A. Tsvet, Zhil. stroit. no. 1:28-29 '62.

ARCHIVES

(see also subdivision under Poltava)
Theoretical principles of the acquisition of documentary materials by archival agencies. G. A. Bolov. Ist. arkh. 8 no. 5:184-189 S-O '62.

ARCTIC FOX see subdivision under Moscow Province

ARCTIC REGIONS—MAGNETIC STORMS

Using Stormer's theory in comparing magnetic disturbances in the high latitudes. A. P. Nikolskii. Geomagn. i aer. 2 no. 6:1122-1125 N-D '62.

ARCTIC REGIONS—RUSSIAN EXPLORATION

Anniversary of a historic expedition (1837-1862). A. A. Butanovskaya. Izv. AN SSSR. Ser. biol. no. 6:920-931 N-D '62.

Ice generation (conclusion). E. Fedorovskii. Vokrug sveta no. 12:44-45, 58 D '62.
Storming the icy parallels. H. Protsenko. Nauka i zhizn 12 no. 10:66-61 O '62.

ARGAT-YUL REGION—LUMBERING

Working cutovers by the method of "acute angles." I. P. Malakhov. Les. prom. 40 no. 11:20-21 N '62.

ARGENTINA—CENSORSHIP

Letter from the editor. Vsem. stud. nov. 16 no. 4:1 Ap '62.

ARGENTINA—COMMUNIST PARTY

Dates, events, and people. Komm. Bel. 38 no. 12:74-76 D '62.

ARGENTINA—YOUTH—SOCIETIES, ETC.

The united front of "Argentine youth." M. M. Mol. mira no. 11:1216-16 '61.

ARGILLIZATION see subdivision under Kamchatka

ARITHMETIC—PROBLEMS, EXERCISES, ETC.

Analysis of the processes of solving simple arithmetical problems. Report No. 1. Goals and problems of the study. "Indirect" problems. G. P. Shchedrovitskii, S. G. Iakobson. Dokl. APN no. 2:35-40 '62.

Simple problems in the first grade. L. N. Skatkin. Nach. shkola 30 no. 12:48-51 D '62.

ARITHMETIC—STUDY AND TEACHING

(see also subdivision under Germany, East)

Attempt of an experimental study of psychological pattern in learning. Report No. 4. Comparative difficulty for students of three types of indirect addition and subtraction problems. B. B. Kossov. Dokl. APN no. 2:89-94 '62.

Chekmarev, I. A. F., and V. T. Smigrev. [Methodology of teaching arithmetic] Metodika prepodavaniia arifmetiki; posobie dlia pedagogicheskikh uchilisich. Izd. 12. Moskva, Uchpedgiz, 1962. 327 p.

Development of cognitive interests of students in arithmetic lessons. H. D. Irinevich. Rad. shk. 41 no. 12: 18-23 D '62.

ARKHANGEL'SKOYE (GUBKIN DISTRICT)—DAIRYING—HYGIENIC ASPECTS

Mistress of a farm. E. Mardarovskala. Sov. Kras. krest 12 no. 4:5 JI-Ag '62.

ARMAMENTS

If there were no armaments race. . . . K. Smirnov. NTO 4 no. 0:56-57 S '62.

ARMAMENTS, COST OF

What are 120 billion dollars. R. Faramazian. Nov. vrem. 20 no. 3:4-5 Ja '63.

ARMAVIR—CLOTHING INDUSTRY—JOB DESCRIPTIONS

Job description of an organizational operation in the clothing industry. N. Prokopenko. Sots. trud 7 no. 4:120-120 Ap '62.

ARMED FORCES—MILITARY LIFE

Bezrunov, S. M. [The very essence of military service] O samom glavnom v sluzhbe soldatskol. Moskva, Izd-vo DOSAAF, 1962. 138 p.

ARMENIA—APRICOT

Effect of severe pruning on the qualitative indices of one-year-old shoots of apricot [in Armenian with summary in Russian]. S. M. Minnats, D. M. Bekiraki. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10: 67-72 '62.

ARMENIA—CATTLE BREEDS

Distribution and development of cattle breeds in the Armenian S. S. R. [in Armenian with summary in Russian]. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:127-130 '62.

ARMENIA—COCCIDIOSIS

Effect of coccidiosis on the productivity of livestock and its control [in Armenian with summary in Russian]. E. L. Melikyan. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:155-162 '62.

ARMENIA—COTTON—DISEASES AND PESTS

Results of controlling the mallow moth in the Armenian S. S. R. G. Kh. Azarian. Zashch. rast. ot vred. i bol. 5 no. 11:30-33 N '60.

ARMENIA—COTTON—IRRIGATION

Determining the efficient elements of the cotton irrigation technique [in Armenian with summary in Russian]. E. S. Akopov. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:153-160 '62.

ARMENIA—EDUCATION

Krazhatsian, A. M. [Public education in Soviet Armenia] Narodnoe obrazovanie v Sovetskoi Armenii. Erevan, Armuchpedgiz, [1961] 177 p. illus. [Parallel texts in Armenian and Russian.]

ARMENIA—FIELD CROPS—VARIETIES

New regionally adapted varieties and hybrids in the Armenian S. S. R. [in Armenian with summary in Russian]. T. S. A. Torosian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:85-94 '62.

ARMENIA—FOREST SOILS

Brown soils of oak forests in Kirovakan and Dilizhan districts [in Armenian with summary in Russian]. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:109-117 '62.

ARMENIA—FRUIT FLIES

Susceptibility of spring wheat to the Swedish fly as related to sowing dates and rates. N. A. Avetisyan. Zashch. rast. ot vred. i bol. 5 no. 3:56 Mr '60.

ARMENIA—FRUIT CULTURE

System and density of the arrangement of fruit trees in the orchard [in Armenian with summary in Russian]. G. S. Esalan. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:45-52 '62.

ARMENIA—GOATS—DISEASES AND PESTS

Effect of coccidiosis on the productivity of livestock and its control [in Armenian with summary in Russian]. E. L. Melikyan. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:155-162 '62.

ARMENIA—GRAPES

Nature of damage to grapevine buds in regions using covering for winter in Armenia [in Armenian with summary in Russian]. A. S. Melkondan. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:35-44 '62.

ARMENIA—GRAPES—STORAGE

Investigating the storability of grapes in the Armenian S. S. R. L. G. Azizian. Biokhim. pl. i ovoshech. no. 7: 224-229 '62.

ARMENIA—HISTORY

Ideology of the Armenian liberation struggle in the fifth and sixth centuries [in Armenian with summary in Russian]. V. K. Chalchian. Ist. -filol. zhur. no. 4:85-104 '62.

The Zeytun uprising of 1862 [in Armenian with summary in Russian]. M. G. Nersisyan. Ist. -filol. zhur. no. 4:50-58 '62.

ARMENIA—HISTORY—SOURCES

Evlyin Chelchik's "Book of voyages" as a source for the social and economic history of western Armenia in the 17th century [in Armenian with summary in Russian]. M. K. Zulalian. Ist. -filol. zhur. no. 4:129-142 '62.

New source materials relating to the history of the Armenian liberation movement in the 1720's [in Armenian and Russian]. V. K. Voskanian, V. M. Martirosian. Ist. -filol. zhur. no. 4:193-216 '62.

ARMENIA—HISTORY—STUDY AND TEACHING

Armenian S. S. R. Ministerstvo prosveshchenia. [Program of eight-year schools; history of the Armenian people for the eight grade] Programmy vos'miletnei shkoly; istoriia armianskogo naroda dlia VIII klassa. Erevan, Armuchpedgiz, 1962. 24 p.

ARMENIA—LAW

Armenian S. S. R. Laws, statutes, etc. [Chronological collection of laws of the Armenian S. S. R., decrees of the Presidium of its Supreme Soviet, and decisions of the government of the Armenian S. S. R., 1953-1956. Khronologicheskoe sobranie zakonov Armianskoi SSR, ukazov Prezidiuma Verkhovnogo Soveta i postanovlenii pravitel'stva Armianskoi SSR, 1953-1956 gg. Erevan, Gos. izd-vo Armianskoi SSR] 1962. 703 p. [in Armenian]

ARMENIA—MELON BREEDING

Shalakh melon as a paternal form for hybridization [in Armenian with summary in Russian]. E. G. Kocharian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:77-79 '62.

ARMENIA—MOTHS—EXTERMINATION

Results of controlling the mallow moth in the Armenian S. S. R. C. Kh. Azarian. Zashch. rast. ot vred. i bol. 5 no. 11:30-33 N '60.

ARMENIA—PLANT QUARANTINE

In Armenia. E. G. Tumanyan. Zashch. rast. ot vred. i bol. 5 no. 11:49-50 N '60.

ARMENIA—PLANTS, PROTECTION OF

Branch station of the institute on a collective farm. A. T. Nikogosian. Zashch. rast. ot vred. i bol. 5 no. 11:7-9 N '60.

ARMENIA—POULTRY—FEEDING AND FEEDS

Promoting the growth and development of animal organisms [with summaries in English, German, and French]. G. V. Kamalian, G. V. Barsagian, A. M. Karagzhian. Vest. sel'khoz. nauk 7 no. 5:83-87 My '62.

ARMENIA—REVOLUTION, 1917-1921

What delayed the victory of the October Revolution in Armenia? S. K. Karapetian. Izv. AN Arm. SSR, Obshchestv. nauki no. 12:15-30 D '62.

ARMENIA—SHEEP—DISEASES AND PESTS

Effect of coccidiosis on the productivity of livestock and its control [in Armenian with summary in Russian]. E. L. Melikyan. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:155-162 '62.

ARMENIA—SOILS—COMPOSITION

Methods for agrochemical mapping of soils [in Armenian with summary in Russian]. S. M. Arzian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10: 95-108 '62.

ARMENIA—SOILS—PHOSPHORUS CONTENT

Determining the amount of readily available phosphorus compounds for the soils of mountain regions of Armenia [with summary in English]. N. O. Avakian. Pochvevedenie no. 11:100-109 N '62.

ARMENIA—SWINE BREEDING

Results of simple and complex crossing of swine for market purposes [in Armenian with summary in Russian]. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:149-153 '62.

ARMENIA—TOMATO BREEDING

Developing tomato varieties for the canning industry. A. A. Ananian. Agrobiologiya no. 6:843-847 N-D '62.

ARMENIA—WHEAT

Hygroscopic moisture in wheat grain and problems concerning its quantitative variation [in Armenian with summary in Russian]. K. A. Babadzhanian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10: 73-76 '62.

ARMENIA—WHEAT—DISEASES AND PESTS

Susceptibility of spring wheat to the Swedish fly as related to sowing dates and rates. N. A. Avetisyan. Zashch. rast. ot vred. i bol. 5 no. 3:56 Mr '60.

ARMENIAN BOOKPLATES see Bookplates, Armenian

ARMENIAN LANGUAGE—TRANSLITERATION INTO RUSSIAN

"Handbook on the transliteration of Armenian first and last names, as well as geographical names, into Russian" by N. A. Vartapetian. Reviewed by S. B. Tashjian. Izv. AN Arm. SSR, Obshchestv. nauki no. 12:117-121 D '62.

ARMENIAN LITERATURE—HISTORY AND CRITICISM

Armenian literature before Mesrop [in Armenian with summary in Russian]. E. A. Pivazian. Ist. -filol. zhur. no. 4:153-170 '62.

ARMENIAN MERCHANTS see Merchants, Armenian

ARMENIAN PHILOLOGY

New information on M. Nalbandian's dissertation. S. K. Daronian. Izv. AN Arm. SSR, Obshchestv. nauki no. 1: 78-83 Ja '63.

ARMENIANS see subdivision under Rumania; Turkey

ARMIES see also subdivision 'Army' under Russia

ARMS AND ARMOR, PRIMITIVE see subdivision under Transcaucasia

AROMATIZATION

Aromatization of binary alkane-cyclohexane mixtures on a platinum catalyst. U. N. Usov, N. I. Kuvshinova, S. M. Ivanova. Neftekhimiya 2 no. 5:686-689 S-O '62.

ARROWHEADS

Early Sarmatian wedge-shaped arrowheads. M. G. Moshkova. Krat. soob. Inst. arkheol. no. 89:77-82 '62.

ART

(see also subdivision under Kazakhstan)

"Books on the arts" by A. A. Gonorov, G. I. Navilov, I. I. Tsyrlin. Reviewed by I. Fol'man. Sov. knizh. torg. 14 no. 1:45-46 Ja '63.

Discussions on graphic art and sculpture (to be continued). L. Pol'kina. Nauka i zhytiia 12 no. 11:25-27 N '62.

[For the young artist; reading material on the history of art] Yunomu khudozhniku; kniga dlia chteniia po istorii iskusstva. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 562 p.

Important mission of art. E. Gromov. Kul't. pros. rab. 23 no. 7:4-8 JI '62.

Lace, Rasma. [Russian art; a brief historical outline] Kratkaia maketa; les vesturizatsiia parskata. Riga Latvijas Valsts izdevnieciba, 1962. 108 p. illus. [in Latvian]

Pol'kina, L. O., and V. P. Pavlov. [Fine arts] Obrazotvorche mystetstvo. 2., dop. vyd. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry USSR, 1962. 39 p. (Biblioteka z pytan' mystetstva) Tomskii, N. V. [The beautiful and the people] Prekrasnoe i narod; sbornik statei. Moskva, Akad. khudozh. SSSR, 1961. 174 p. plates (MH)

ART—BIBLIOGRAPHY see Bibliography—Art

ART—CENSORSHIP see subdivision under South Africa, Republic of

ART—CONGRESSES

Soluz khudozhnikov RSFSR. 1. s'ezd, Moscow, 1960. [First Constituent Congress of Artists of the R. S. F. S. R., June 21-24, 1960; an abridged stenographic report] Pervyi uchreditel'nyi s'ezd khudozhnikov RSFSR 21-24 iunia 1960 goda; sokrashchennala stenogramma. Leningrad, Khudozhnik RSFSR, 1961. 233 p. (MH) (CST-H)

ART—EXHIBITIONS

Valerius, S. S., comp. [The Soviet Russia Exhibition; a collection of articles] Vystavka Sovetskoi Rossii; sbornik statei. Leningrad, Khudozhnik RSFSR, 1961. 178 p. illus. (MH)

ART—PHILOSOPHY

Thoughts of an artist. B. Ioganson. Kommunist 39 no. 3:76-84 F '63.

ART—STUDY AND TEACHING

(see also subdivision under Moscow)

Osipov, D. M. [Independent study of the principles of the fine arts] Samostoiatel'noe obucheniie osnovam izobrazitel'nogo iskusstva. Moskva, Sovetskii khudozhnik, 1962. 82 p. illus. (V pomoshch' nachinalushchim khudozhnikam)

ART, AFRICAN

Grigorovich, N.E., and A.B. Sterligov. [Art of Africa] *Izvestiya Afriki*. Moskva, Izd-vo "Znanie," 1962. 47 p. (Novoe v zhizni, nauke, tekhnike. VI Seriya: Literatura i iskusstvo, no. 2)

ART, DECORATIVE

Chekalov, A.K. [Basic concepts of decorative and applied art] *Osnovy ponimaniya dekorativno-priladnogo iskusstva*. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 64 p.

ART, LATVIAN

Riga. Latvijas valsts latvisku un krievu maksaa muzejs. [Catalog of the Department of Latvian Art; painting, sculpture, graphic and applied art] Katalog Otdela latvyskogo iskusstva; zhivopis', skulptura, grafika, prikladnoe iskusstvo. Riga, Izd. Gos. muzeya latvyskogo i russkogo iskusstva, 1961. 162 p. (MH)

ART, LITHUANIAN

Jurginis, J. [Short history of Lithuanian art] *Lietuvos meno istorijos bruožai*. Vilnius, Valstybine grozines literaturos leidykla, 1960. 492 p. [In Lithuanian]

ART, PRIMITIVE see subdivision under Australia

ART, UKRAINIAN

Artistic endowment of the Ukrainian people. H. Mandryk. *Zhyttia i shkola* 8 no. 10/12:34-40 O-D '62.

ART AND COMMUNISM see Communism and art

ART AND INDUSTRY

The artist enters the world of machinery; the boundaries of art expand. *Tekhn. mol.* 30 no. 12:22-24 '62.

ART GALLERIES AND MUSEUMS

Local art museums during the second half of the 19th century and the beginning of the 20th. D. A. Ravikovich. *Trudy NIIM* no. 7:63-117 '62.

ART INDUSTRIES

(see also subdivision under Kolomyia)

Orsk jasper waits for skilled hands. *IV. Kravtsov*. *Mest. prom. i khud. promys.* 3 no. 11:33 N '62.

ARTERIES

Effect of the state of the tissues surrounding an artery on the rate of pulse wave spreading. V. Valtieria. *Izv. AN Latv. SSR* no. 8:101-108 '62.

ARTERIES—DISEASES

Obliterating endarteritis. A. N. Shabanov, L. S. Soskin. *Zdorov'e* 8 no. 12:14-15 D '62.

Treatment of obliterating endarteritis and atherosclerosis by the intravenous administration of novocaine. A. I. Karpik. *Zdrav. Bel.* 8 no. 12:40 D '62.

ARTERIOSCLEROSIS

Clinical importance of changes in the protein fractions of the blood in hypertension and atherosclerosis. B. A. Onikienko. *Zdrav. Bel.* 8 no. 12:27-28 D '62. Vectorcardiographic changes in patients with arterio-sclerotic cardiosclerosis [with summary in English]. V. I. Proizer. *Vop. kard. 2-go MGMI* no. 2:331-344 '62.

ARTESIAN WELLS

Wells in an arbitrary number of interconnected artesian aquifers. V. N. Emikh. *PMTF* no. 5:140-143 S-O '62.

ARTHRITIS

Some changes in the picture of peripheral blood during experimental polyarthritis of sheep. Report No. 7. I. A. Farzalliev. *Trudy Azer. nauch.-issl. vet. inst.* 13:80-84 '62.

Variant of *Corynebacterium ovis* in the bile of sheep, a changed form of the causative agent of infectious polyarthritis in lambs. Report No. 8. I. A. Farzalliev. *Trudy Azer. nauch.-issl. vet. inst.* 13:71-75 '62.

ARTICHOKES—VARIETIES

Italian specimens of artichokes (*Cynara scolymus* L.). K. V. Ivanova. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:270-272 '57.

ARTIFICIAL DIAMONDS see Diamonds, Artificial

ARTIFICIAL FEEDING

Zaitseva, G. I. [Artificial infant feeding (during the first year of life)] *Izskusstvennoe vskarmlivanie robenka (pervogo goda zhizni)*. Leningrad, Medgiz, 1962. 46 p.

ARTIFICIAL INSEMINATION

Effect of various amounts of sperm on the reproductive function in sows [with summaries in English, German, and French]. N. T. Plishko. *Vest. sel'khoz. nauki* 7 no. 10:62-67 O '62.

In the quest for new ways. Kh. Nazirov, A. Agishev. *Part. zhizni [Uzb.]* 5 no. 11:77-83 N '62.

ARTIFICIAL SATELLITES

Effects produced by an artificial satellite rapidly moving in the ionosphere or in interplanetary space. I. A. L. Alpert, A. V. Gurevich, L. P. Pitnevsii. *Usp. fiz. nauk*, 79 no. 1:23-60 Ja '63. Some results of measuring the constant magnetic field of the earth over the U. S. S. R. from the third artificial satellite. Sh. Sh. Dolginov and others. *Geomag. i aer.* 2 no. 8:1061-1076 N-D '62.

Stability of motion in a generalized problem of two stationary centers. V. G. Degtiarev. *Prikl. mat. i mekh.* 26 no. 6:1116-1121 N-D '62.

ARTIFICIAL SATELLITES—TRACKING

Conference on the methods for photographic observation of artificial earth satellites. M. I. Illenko. *Astron. zhur.* 40 no. 1:203-205 Ja-F '63.

ARTIFICIAL WEATHER CONTROL see Weather control

ARTILLERY—PROBLEMS, EXERCISES, ETC.

Vishniakov, N. A. [Training artillery reconnaissance troops] *Obucheniye artilleriskikh razvedchikov*. Moskva, Voenizdat, 1962. 94 p.

ARTEKHOVSKII, ARTEMII VLADIMIROVICH, 1902-

A. V. Artekhevskii's 60th birthday. A. L. Mongeit. *Vop. ist.* 38 no. 1:103-105 Ja '63.

ASBESTOS

Increasing the heat and wear resistance of engineering asbestos friction materials. V. P. Slutskov, P. A. Vinogradov, M. S. Tarasova. *Kauch. i rez.* 21 no. 12: 25-28 D '62.

ASBESTOS CEMENT

Buildings made of asbestos-cement slabs. R. Abramova. *Zh. st. stol.* no. 2:26-32 '62.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standards SN 218-62 for the technical design of enterprises producing asbestos-cement elements] *Normy tekhnologicheskogo proektirovaniya predpriyatiy po proizvodstvu asbestotsementnykh izdelii (SN 218-62)*. Moskva, Gosstroizdat, 1962. 23 p.

ASCOCHYTA

Susceptibility of chick-pea varieties to the Ascochyta disease. L. N. Bushkova. *Zashch. rast. ot vred. i bol.* 5 no. 3:55 Mr '60.

ASCORBIC ACID

Ascorbic acid content of forage lichens of the tundra. G. I. Karev, V. P. Kochevykh. *Bot. zhur.* 47 no. 11: 1665-1668 N '62.

Dynamics of vitamin C in Tien Shan alfalfa in the Latvian S. S. R. [in Latvian with summary in Russian]. S. Kristalme. *Izv. AN Latv. SSR* no. 8:95-100 '62.

Effect of chronic carbon monoxide intoxication on the daily vitamin C requirement of the animal organism. V. M. Nizhegorodov. *Zdrav. Bel.* 8 no. 12:50-53 D '62.

Effect of mineral fertilizers on the vitamin C content of potato tubers [with summaries in English, German, and French]. S. A. Aslanian. *Vest. sel'khoz. nauki* 7 no. 10:21-24 O '62.

Use of sorbic acid in the preparation of semiprocessed grape juice. A. S. Zaslavskii, M. G. Gidalevich. *Trudy MNIPI* 1:115-118 '61.

ASCORBIC ACID—SPECTRA

Spectroscopic study of the oxidation of vitamin C and its stabilization by vitamin B1. C. Ionatis, B. Rubinkaitis. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:45-47 Ja '63. Vitamin B1 and C absorption spectra as dependent on concentration and the solvent. G. Ionatis, B. Rubinkaitis. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:47-50 Ja '63.

ASH (TECHNOLOGY)

Determining the grain-size distribution of ashes from electric power plants using a floating device. I. A. Ivanov, L. M. Vazhenina. *Stroitel'stvo* 8 no. 12:33-34 D '62.

The problem of the resistance to air of lime-ash binding materials. IU. M. But, B. G. Vneshal, A. A. Maier. *Sber. trud. ROSNIMS* no. 20:3-17 '61.

ASHEVSKIY DISTRICT—COLLECTIVE FARMS—

MANAGEMENT

Problems of intensifying the specialization of agricultural production on collective farms in Ashevskiy District, Pakov Province. N. G. Tarasov. *Dokl. TSKhA* no. 76: 220-238 '62.

ASHKABAD—MORTARS

Temporary standards for the use of desert (Kara Kum) sand in mixed mortars for masonry; for construction in Ashkhabad. IU. B. Aizenberg. *Trudy FTI Turk. fil. AN SSSR* no. 2:3-8 '60.

ASHKABAD—OYSTERS, FOSSIL

Oysters from Suzak layers of the Manysh syncline. A. V. Dmitriev. *Trudy Inst. geol. AN Turk. SSR* 3:5-26 '60.

ASHKABAD—PUBLIC HEALTH ADMINISTRATION

In quest of new work methods. F. Mal'is. *Sov. deput. trud.* no. 9:46-51 S '62.

ASIA—BERYL

Studying zonal beryl crystals from pegmatite cavities. V. G. Feklichev. *Trudy IMGRE* no. 8:166-190 '62.

ASIA—BIBLIOGRAPHY

[New Soviet and foreign literature on the countries of the non-Soviet East] *Nov. sov. i inostr. lit. po stran. zarub. Vost.* nos. 3, 9-10 '62.

ASIA—BLOW-FLIES

New and little-known Calliphoridae and Sarcophaginae (Diptera, Larvaevoridae) from Asia [with summary in German]. B. B. Rodendorf. *Ent. oboz.* 41 no. 4:931-941 '62.

ASIA—COOPERATIVE SOCIETIES

Cooperation and "society of a socialist type." I. A. Kramarovskii. *Sov. potreb. koop.* 6 no. 11:51-54 N '62.

ASIA—FLESH FLIES

New and little-known Calliphoridae and Sarcophaginae (Diptera, Larvaevoridae) from Asia [with summary in German]. B. B. Rodendorf. *Ent. oboz.* 41 no. 4:931-941 '62.

ASIA—GOVERNMENT OWNERSHIP

State capitalism in Asia and Africa. IU. Rozaliev. *Mezhdunar. zhizn'* 10 no. 2:43-51 F '63.

ASIA—MILITARY BASES, AMERICAN

United States Armed Forces in the Far East and in southeastern Asia. *Mezhdunar. zhizn'* 10 no. 3:156-157 Mr '63.

ASIA—PALEOGEOGRAPHY

Shnit'syn, V. M. [Paleogeography of Asia] *Paleogeografiya Azii*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 266 p.

ASIA—PEGMATITES

Studying zonal beryl crystals from pegmatite cavities. V. G. Feklichev. *Trudy IMGRE* no. 8:166-190 '62.

ASIA, CENTRAL—GEOLOGY, STRATIGRAPHIC

Tertiary continental sediments of some troughs in Central Asia. G. K. Nevskii. *Trudy VNIIGI* no. 1:90-112-420 '62.

ASIA, SOUTHEASTERN—DESCRIPTION AND TRAVEL

A trip along the Mekong. Wilfred Burchett. *Nov. vrem.* 20 no. 4:11-12 Ja '63.

ASIA, SOUTHEASTERN—ECONOMIC ASSISTANCE

"The Colombo Plan" and its utilization for the interests of imperialistic states. E. E. Obninskii. *Uch. zap. IMO* no. 9:140-176 '62.

ASIA, SOUTHEASTERN—POLITICS

Fedorov, V. F. [On the road to independence; some problems concerning the development of the countries of Southeastern Asia] *Dorogoi nezavisimosti; o nekotorykh problemakh razvitiya stran Iugo-Vostochnoi Azii*. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Mezhdunarodnaya, no. 1)

ASIA, SOUTHEASTERN—TECHNICAL ASSISTANCE, RUSSIAN

Pochivalov, L. V. [Far from our motherland] *Vdali ot rodnoi zemli*. [Moskva] Molodai gvardia, 1962. 100 p.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASKANIYA-NOVA—INCENSE CEDAR

Incense cedar in Askaniya-Nova. P. S. Kaplunovskii. *Bul. Glav. bot. sada* no. 47:92-94 '62.

ASKANIYA-NOVA PRESERVE—CATTLE BREEDING

Watusi cattle and their hybrids in "Askaniya-Nova." V. D. Treus, N. V. Lohanov. *Agrobiologiya* no. 6:942-946 N-D '62.

ASPEN

Aspen and aspen forests as a source of vegetable raw material. V. S. Ipatov. *Trudy PBI* no. 18:88-97 '62.

Experimental manufacture of woodpulp from aspen. B. A. Ovchinnikov, L. P. Kuteinikova. *Bum. prom.* 37 no. 12:16-20 D '62.

Using defective aspen. O. I. Polubotarinov, L. F. Chivikain. *Les. prom.* 40 no. 10:21-22 O '62.

Woodpulp from aspen and its processing in papermaking. V. G. Nefagkova. *Bum. prom.* 37 no. 12:17-18 D '62.

ASPERGILLUS

Effect of the pH of the medium on determining the activity of the "Aspergillus oryzae" amylolytic ferments. M. I. Danilek, N. G. Cherevko, V. G. Starchak. *Khar. prom.* no. 4:76-78 O-D '62.

ASSAULT, CRIMINAL see Rape

ASSAULT AND BATTERY

Criminal responsibility for battery. A. Kolosov. *Sov. inst.* no. 21:19-21 N '62.

ASSEMBLY-LINE METHODS

Assembling mushroom-shaped reinforced-concrete structures. M. Darskii. *Stroitel'stvo* 10:6-11 Ja '62.

Automatic assembly shop. V. N. Demokritov. *Avi. prom.* 28 no. 11:41-45 N '62.

Automatic continuous production line for wrapping soft glazed candy. D. S. Polunovskii. *Khleb. i kond. prom.* 8 no. 12:35-36 D '62.

Automatic device for stacking dimensions into packages. G. I. Garasovich, A. A. Semenovskii. *Bum. i der. prom.* no. 4:3-5 O-D '62.

Automatic "SAL-1" tin can production line. V. I. Anufrieva. *Khar. prom.* no. 4:79-80 O-D '62.

Calculating the precision of the process of automatic assembly. B. Lobzov, K. Muconets. *Izv. AN Latv. SSR* no. 4:40-56 '61.

ASSEMBLY - LINE METHODS (Continued)

Chernyshev, P. N., A. K. Soroka, and P. N. Nalivko. [Repair of cars on a conveyor; the experience of Kanash, Barnitsa, Borisoglebsk and Nizhnedneprovsk car repair shops] Remont vagonov na konvelero; opyt Kanashskogo, Barnitskogo, Borisoglebskogo i Nizhnedneprovskogo vagonoremontnykh zavodov. Moskva, Transzheldorizdat, 1962. 155 p.

Maizel, L. M. [Methods for automatic counting of piece production] Metody avtomaticheskogo ucheta shtuchnoi produktii. Moskva, Gosnorgolizdat, 1962. 110 p.

Mechanization of can feeding to testers. A. G. Grynys'ka. Khar. prom. no. 4:45 O-D '62.

Mechanized SZHK-500 continuous production line. K. Stinitzyan, S. Liberman, V. Petrovskii. Maa. ind. SSSR 33 no. 6:12-13 '62.

Some theoretical problems in the automation of assembling processes of machinery. B. S. Balakshin. Vest. mashinost. 42 no. 12:39-44 D '62.

ASTATINE

Thermodynamic characteristics of some compounds of astatine and polonium. G. A. Krestov. Radiokhimiia 4 no. 8:690-696 '62.

ASTEROIDS see Planets, Minor

ASTHENIA

Barmine, D. S. [Asthenic states] Astenicheskie sostoi- nia. Moskva, Medgiz, 1961. 201 p. (DNLM)

ASTRAKHAN—DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

The Astrakhan Diesel Locomotive Repair Plant on the road of technological progress. M. Z. Kornaeov. Zhe- dor. transp. 44 no. 12:63-67 D '62.

ASTRAKHAN—NEWS PHOTOGRAPHERS

On a newspaper assignment; amateur photographers in newspapers. A. Gershtberg. Sov. foto 22 no. 11:33 N '62.

ASTRAKHAN—SHIPS—MAINTENANCE AND REPAIR

By the call of the heart. I. Dynin, L. Nikishkin. NTO 4 no. 12:29 D '62.

ASTRAKHAN—TROPICAL PLANTS

Winter garden in the "Oktabr'" Motion Picture Theater in Astrakhan. M. M. Shkharova. Biol. Olov. bot. suda no. 47:101 '62.

ASTRAKHAN PROVINCE—COMMUNIST YOUTH LEAGUE

The scope is not everything. V. Smirnov. Kommom. zhizn' no. 23:15-17 D '62.

ASTRAKHAN PROVINCE—FARM MECHANIZATION—HYGIENIC ASPECTS

Rural industrial hygiene. M. Kopylov. Okhr. truda i zdra- v. astrakh. 6 no. 1:6-8 Ja '63.

ASTRAKHAN PROVINCE—GAS, NATURAL—GEOLOGY

New data on the structure of the Olenikovskoye gas field. V. A. Erofanov. Geol. nefi i gaza 7 no. 1:60-63 Ja '63.

ASTRAKHAN PROVINCE—PIONEERS (COMMUNIST YOUTH)

Nakhimov, I. I., and M. F. Zinger. [Pioneer organization of Astrakhan Province] Astrakhanskii pionerlin; stranitsy letopisi. Astrakhan', Izd-vo "Volga," 1962. 102 p.

ASTRIAB, OLEKSANDR, 1879-1962

O. M. Astriab; obituary. Rad. shk. 41 no. 12:90 D '62.

ASTRONAUTICS

The astronaut is at work, the devices are operating, and the medical doctors are attentive. V. Denisov. Radio no. 1:14-16 Ja '63.

Automation in astronautics. A. M. Letov. Nauka i zhizn' 29 no. 11:20-29 N '62.

The conquest of outer space. V. Shebeglov. Komm. Uz. 34 no. 10:77-84 O '62.

Earth, space, earth. M. Keldysh, L. Sedov. Nauka i zhyt'ia 12 no. 9:2-4 S '62.

Fit for cosmic flight. V. Lazdovskii. Zhen. mira no. 2: 28-29 '62.

Five years of the space era. V. V. Dobronravov. Mat. v shkole no. 6:4-6 N-D '62.

For the raders. Komm. Bel. 30 no. 11:80 N '62.

Greatest triumph of the creative genius of the Soviet people. Sov. pedagog. 26 no. 8:3-6 Ag '62.

Heroism of the astronaut is the heroism of the people! Sots. obesp. 23 no. 9:1-3 S '62.

In the depths of universe. V. Vasyliov. Nauka i zhyt'ia 12 no. 10:5-7 O '62.

Mathematics and space. B. N. Delone. Nauka i zhizn' 29 no. 11:27-28 N '62.

New stage in the conquest of outer space. Sov. deput. trud. no. 9:2 S '62.

Return to earth. B. Nekrasov. Nauka i zhyt'ia 12 no. 9:5-6 S '62.

To the nearest planets. N. A. Varvarov. IUn. nat. no. 12: 22-24 D '62.

Toward the stars. M. Vasil'ev. Doshk. voap. 36 no. 10: 8-10 O '62.

What does earth look like from space? A. G. Nikol'sev, P. R. Popovich. Priroda 52 no. 11:1-IV '63.

ASTRONAUTS

"Astronauts" by E. Petrov. Reviewed by A. Mlynec. Sem'ia i shkola 17 no. 12:30-31 D '62.

In the name of peace and happiness for the people. Sem'ia i shkola 17 no. 9:1 S '62.

Letters to the deputy. Av. i kosm. 45 no. 1:89-90 Ja '63.

Pages of their lives. Iurii Dokuchaev. Zhen. mira no. 10:16-22 '62.

ASTRONOMICAL INSTRUMENTS

An integrating device using transistors with parallel transfer of the integrand function and ripple-through carry of overflow units. Sbor. rab. po vop. elektromekh. no. 7:343-349 '62.

Problems concerning the analysis of digital servosystems for asymmetrical control of astronomical instruments. S. V. Korotkov, V. A. Miasnikov, I. U. A. Sablin. Sbor. rab. po vop. elektromekh. no. 7:192-209 '62.

Systems for automatic derivation of positional angle with coordinate converter based on rotating transformers. V. P. Egorov, M. A. Ivanova, I. U. A. Sablin. Sbor. rab. po vop. elektromekh. no. 7:171-180 '62.

Use of analog computers in the composite control of the angle and speed of asymmetrical astronomical devices. I. U. A. Sablin, V. P. Egorov. Sbor. rab. po vop. elektromekh. no. 7:158-171 '62.

ASTRONOMICAL PHOTOGRAPHY

Conference on the methods for photographic observation of artificial earth satellites. M. I. Il'enko. Astron. zhur. 40 no. 1:203-205 Ja-F '63.

ASTRONOMICAL PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

Comparing the NIKFI Pankhrom 700 nonsensitized film for astronomical photography with some kinds of astron- omical photographic emulsions. O. D. Dokuchaeva, T. V. Retyva. Astron. tair. no. 227:7-10 F '62.

ASTRONOMY—ABSTRACTS

[Astronomy and geodesy] Ref. zhur. : Astron. i geod. no. 12 D '62. Predmetnyi ukazatel' za 1961 g.

ASTRONOMY—CONGRESSES

Report on the third conference of young scientists at the Sternberg State Astronomical Institute. May 7-9 1962. L. V. Rykhlova. Astron. zhur. 40 no. 1:205-206 Ja-F '63.

Study of the minor bodies of the solar system; astrononi- cal conference at Baku. E. A. Grebenikov, V. G. Demin. Vent. AN SSSR 33 no. 1:129-127 Ja '63.

ASTRONOMY—OBSERVATIONS

(see also subdivision under Tashkent)

Loginov, P. P., B. Zh. Dal'zhinova, and B. V. Iasovych. [Theory of meridian instruments and results of astro- nomical observations] Teoriia meridiannykh instru- mentov i rezul'taty astronomicheskikh nabludeni. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1961. 121 p.

Telescope of "Nauka i zhyt'ia." Nauka i zhyt'ia 12 no. 9:45 S '62.

ASTROPHYSICS

Mikhailov, A. A., ed. [Course on astrophysics and stellar astronomy] Kurs astrofiziki i zvezdnoi astro- nomii [2. izd.]. Moskva, Fizmatgiz. Vol. 2. [By] T. A. Agoklan i dr. 1962. 688 p.

The neutrino and its role in astrophysics. B. Pontecorvo. Usp. fiz. nauk 70 no. 1:3-21 Ja '63.

Rings around planets. S. K. Vachkaviatskii. Znan. -slia 37 no. 10:48-50 O '62.

ASWAN DAM REGION—ARCHAEOLOGY

The Soviet archaeological expedition to Nubia. A. V. Vino- gradov. Sov. etn. no. 6:150-155 N-D '62.

ASWAN DAM REGION—ETHNOLOGY

The Soviet archaeological expedition to Nubia. A. V. Vino- gradov. Sov. etn. no. 6:150-155 N-D '62.

ASYNCHRONOUS ELECTRIC MOTORS

see Electric motors, Induction

ATAKI DISTRICT—SOILS

Soils in Ataki District, Moldavian S. S. R. A. K. Rodina. Pochvy raion. Mold. i ikh rats. ispol'. no. 1:42-57 '61.

ATHEISM

(see also subdivision under Leningrad Province)

How to overcome religious feelings. V. Bukin. Kommunist 36 no. 2:68-74 Ja '63.

Pantukhina, I. D., ed. [History and theory of atheism] Istoriia i teoriia ateizma. Moskva, Gos. izd-vo "Vys- shiaia shkola," 1962. 485 p.

Rushkin, I. B. [The search of the Biblical Hell] V poiskakh biblitskogo ada. Moskva, Gospolitizdat, 1962. 61 p. (Besedy s voruzhshchimi)

ATHEISM—BIBLIOGRAPHY

see Bibliography—Atheism—Study and teaching

ATHEISM—STUDY AND TEACHING

(see also subdivision under Chirchik)

Let us use a variety of educational forms and methods. P. Shikhtunov. Nar. osv. no. 11:58-60 N '62.

School becomes a center of atheistic propaganda. I. V. Baidais. Rad. shk. 41 no. 12:59-63 D '62.

"Scientific and atheistic education in schools." Reviewed by M. Moiseenko. Rad. shk. 41 no. 12:85-86 D '62.

Struggle for Misha continues. V. Shostakova. Nar. obr. no. 1:74-76 Ja '63.

"Young atheist" school society. A. N. Alekseev. Sov. pedagog. 26 no. 8:81-83 Ag '62.

ATHEISM—STUDY AND TEACHING—BIBLIOGRAPHY

see Bibliography—Atheism—Study and teaching

ATHLETES

Ballistocardiogram of a healthy person and its charac- teristics in athletes [with summary in English]. L. L. Orlov, V. V. Bulychev, I. U. I. Akimov. Vop. kard. 2-go MGMI no. 2:139-154 '62.

Characteristics of electrocardiography in athletes [with summary in English]. V. V. Bulychev. Vop. kard. 2-go MGMI no. 2:241-264 '62.

Increased arterial pressure in sportsmen. L. I. Zhari- kov. Zdrav. Bel. 8 no. 12:36-30 D '62.

Normal electrokymogram and its characteristics in athletes [with summary in English]. I. U. I. Akimov, L. L. Orlov, V. V. Bulychev. Vop. kard. 2-go MGMI no. 2:19-51 '62.

"Outstanding athletes." Reviewed by I. U. Vladimirov. Voen. znan. 39 no. 1:30 Ja '63.

Phonocardiogram of healthy persons and its characteris- tics in athletes [with summary in English]. V. V. Solov'ev, V. V. Bulychev. Vop. kard. 2-go MGMI no. 2:211-221 '62.

Vektorcardiogram of healthy people and its characteris- tics in athletes [with summary in English]. V. V. Bulychev, V. S. Urasov, V. I. A. Freiger. Vop. kard. 2-go MGMI no. 2:289-304 '62.

ATLANTIC OCEAN—FISHES

Rare fish in trawl catches. V. A. Rukhter, V. A. Ivanov. Priroda 52 no. 1:107-108 '63.

ATMOSPHERE

Air currents in the meteor zone observed by radar [with summary in English]. I. A. Lyssenko. Astron. zhur. 40 no. 1:161-170 Ja-F '63.

Connection between the maximum runoff of rivers and solar activity and atmospheric circulation. B. P. Panov. Trudy Len. gidromet. inst. no. 11:12-27 '61.

"Defense shield" of the earth. A. Florian. Nauka i zhyt'ia 12 no. 11:55-57 N '62.

Role of the temperature of the source in studying the integral absorption function for long-wave radiation in the surface layer of the atmosphere. V. E. Zaez. Izv. vya. ucheb. znv.; fiz. no. 8:176-177 '62.

Structure of the lowest atmospheric layer during un- stable conditions. S. S. ZHITINKOVICH. Meteor. i gidrol. no. 1:31-37 Ja '63.

Telescopic meteors and atmospheric tides. V. E. Shtepan. Astron. tair. no. 228:11-12 O '61.

ATMOSPHERE, UPPER

Charged particles in the upper atmosphere. A. Dnigarno. Usp. fiz. nauk 79 no. 1:115-152 Ja '63.

Interaction of weak corpuscular streams in the upper atmosphere. M. S. Kovner, V. I. U. Trakhtengerts. Geomag. i aer. 2 no. 6:1053-1060 N-D '62.

ATMOSPHERE, UPPER—ROCKET OBSERVATIONS

Using meteorological rockets in the U. S. S. R. to study the stratosphere. I. A. Khvostikov and others. Meteor. i gidrol. no. 1:3-8 Ja '63.

ATMOSPHERIC NUCLEATION

Study of the ice-forming activity of silver iodide aerosol generated in the burning process of pyrotech- nical compositions. M. A. Aksenov and others. Trudy Inst. geofiz. AN Gruz. SSR 29:197-207 '62.

ATMOSPHERIC PRESSURE

Features of the connection between H₁₀₀₀ anomalies and the atmospheric temperature and using it to fore- cast the temperature of each of three days. Kh. Kh. Rafailova. Trudy TSIP no. 119:36-50 '62.

Some results of an operative check of the accuracy of experimental forecasts of fields of pressure for each of three days. Kh. Kh. Rafailova and others. Trudy TSIP no. 119:98-103 '62.

Use of empirical influence functions to forecast changes in pressure for 3 to 5 days from the resulting monotype macroprocesses. A. L. Kats, V. S. Bedrina, V. A. Poz- dnakova. Trudy TSIP no. 119:3-23 '62.

Use of empirical influence functions to forecast mean values of H₉₉₅ at the present time and the tendency for the subsequent synoptic period. A. L. Kats and others. Trudy TSIP no. 119:24-35 '62.

Use of 24-hour prognostic maps of H₉₉₅, computed on a universal electronic calculator, in forecasting a synop- tic period. S. K. Averbukh, M. N. Fedulova. Trudy TSIP no. 119:78-81 '62.

ATMOSPHERIC TEMPERATURE

Features of the connection between H₁₀₀₀ anomalies and the atmospheric temperature and using it to fore- cast the temperature of each of three days. Kh. Kh. Rafailova. Trudy TSIP no. 119:36-50 '62.

ATMOSPHERIC TRANSPARENCY

Variation of the atmospheric transparency coefficient in the spectral regions 2000-5250 Å, 5250-6250 Å, and 6250-20,000 Å during a solar eclipse. B. D. Fomenko. Uch. zap. Volg. gos. ped. inst. no. 11:61-70 '59.

ATOMIC BOMB SHELTERS see subdivision under Hollywood; United States

ATOMIC ENERGY RESEARCH

Use of the 480 Mev. synchrocyclotron at Dubna in studying the properties of μ -mesic atoms and μ -mesic molecules of hydrogen and deuterium. V. P. Dzhelepev. Atom. energ. 14 no. 1:27-37 Ja '63.

ATOMIC NUCLEI see Nuclei, Atomic

ATOMIC PILES see Nuclear reactors

ATOMIC POWER ENGINEERING see Nuclear engineering

ATOMIC POWER INDUSTRY see subdivision under United States

ATOMIC POWER PLANTS

(see also subdivision under Voronezh Province)

Study of the hydrodynamics of the steam generator of a two-stage atomic power plant. G. G. Bartolomei, V. A. Suvorov, S. A. Tsvlin. Teploenergetika 10 no. 1:52-58 Ja '63.

ATOMIC SPECTRUM see Spectrum, Atomic

ATOMIC SUBMARINES see subdivision under United States

ATOMIC WARFARE

About a so-called "acceptable war." V. Pechorkin. Mezhdunar. zhizn' 10 no. 3:29-38 Mr '63.

Kissinger, H. A. [Nuclear weapons and foreign policy.

Abridged translation from the English] Iadernoe oruzhie i vneshnaya politika. Pod red. i s vstup. stat'ei S. N. Krasnol'nikova. Moskva, Izd-vo inostr. lit-ry, 1960. 507 p. (Dlia nauchnykh i voennykh bibliotek) (NNC)

Space and nuclear war. P. Pilachenko. Av. i kosm. 45 no. 1:91-95 Ja '63.

ATOMIC WEAPONS

(see also subdivision under Canada)

Three simple truths. N. Osipenko. Nov. vrem. 20 no. 7:4-6 F '63.

ATOMIC WEAPONS—INTERNATIONAL CONTROL

An American scientist's views on a "guaranteed zonal disarmament." Jay Crear. Mezhdunar. zhizn' 10 no. 3:124-129 Mr '63.

Another round in Geneva. Mezhdunar. zhizn' 10 no. 3: 62-64 Mr '63.

An important improvement. Nov. vrem. 20 no. 4:2-3 Ja '63.

Negotiations were transferred to Geneva. Nov. vrem. 20 no. 6:2 F '63.

Nevada and Geneva. Nov. vrem. 20 no. 7:2-3 F '63.

Our strategy. Nov. vrem. 20 no. 12:3 F '63.

Sincere? Yes! Realistic? No! N. Talenski. Mezhdunar. zhizn' 10 no. 3:120-132 Mr '63.

ATOMIC WEAPONS—TESTING see subdivision under United States

ATOMIC WEAPONS AND DISARMAMENT

"In place of folly" [in English] by Norman Cousins.

Reviewed by I. V. Volodin. Mezhdunar. zhizn' 10 no. 2:134-139 F '63.

ATTAR OF ROSES

Refractometric method of determining ethyl ether content of the attar of roses. L. M. Dranovskaya, G. P. Kondratskaya. Masl. -zhir. prom. 28 no. 12:34 D '62.

ATTENTION

Training of attention. IUn. nat. no. 12:24-25 D '62.

AUCHENORHYNCHA see subdivision under Moldavia

AUDIOMETRY

Undrita, V. F., IA, S. Tomkin, and L. V. Nelman.

[Manual of clinical audiology] Rukovodstvo po klinicheskoi audiologii. Moskva, Medgiz, 1962. 323 p.

(DNLM)

AUDITING AND INSPECTION

(see also subdivision under Gomel'; Leningrad; Ukraine)

Groups to cooperate with the organs of the party-state control. Fund Saad. Part. zhizn' no. 3:56 F '63.

Long-delayed verification of accounts. S. Tambovtsev. Sov. deput. trud. no. 0:71-73 S '62.

Party and state control under the new conditions. Part. zhizn' no. 2:3-13 Ja '63.

AURANTHIN

Formation of new fractions of aurantidin and the study of their chemical and biological properties. V. N. Shaposhnikov and others. Dokl. AN SSSR 147 no. 6:1478-1479 D '62.

AURORAS

Aurora borealis of October 28, 1961. S. Kulagin.

Astron. tsir. no. 226:23 O '61.

Gal'perin, I. U., and A. I. Ershkovich. [Auroras]

Polarnye silantia. Pod red. A. M. Iaglom. Moskva, Izd-vo "Znanie," 1962. 24 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya. Fizika i khimiya, no. 2)

Periodic changes in the light flux of auroras. I. U. A. Nadubovich, I. A. Rudenko. Geomag. i aer. 2 no. 6: 1144-1148 N-D '62.

Practice of rapid photographing of auroras. N. I. Dzulbenko, I. U. A. Nadubovich. Geomag. i aer. 2 no. 6:1143-1144 N-D '62.

Short-period variations in the intensity of auroral luminescence. R. G. Skrynnikov. Geomag. i aer. 2 no. 6:1089-1093 N-D '62.

Stationariness of corpuscular streams corresponding to the more frequent forms of auroras. V. I. Pogorelov. Geomag. i aer. 2 no. 6:1076-1079 N-D '62.

AUSCULTATION

Changes in minimum pressure and auscultative phenomena during intensive physical training. E. A. Poruchikov. Teor. i prak. fiz. kul't. 25 no. 11:66-71 N '62.

AUSTRALIA—ART, PRIMITIVE

They want to take their place in life; legal rights of the Australian aborigines. Len Fox. Zhen. mira no. 11:8-11 '62.

AUSTRALIA—MILLING MACHINERY

Barker mill (from foreign literature). S. N. Zubarev. Gor. zhur. no. 1:74-75 Ja '63.

AUSTRALIA—NATIVE RACES

They want to take their place in life; legal rights of the Australian aborigines. Len Fox. Zhen. mira no. 11:8-11 '62.

AUSTRIA—FOREIGN ECONOMIC RELATIONS—UNITED STATES

A gold mine for business executives. Nov. vrem. 20 no. 6:20 F '63.

AUSTRIA—MUNITIONS

A gold mine for business executives. Nov. vrem. 20 no. 6:29 F '63.

AUSTRIA—POLITICS AND GOVERNMENT

One hundred days without a government. Erwin Zuckerschilling. Nov. vrem. 20 no. 7:24-25 F '63.

AUSTRIA—RAILROADS

Basic tasks of the State Railroads of Austria. M. M. Shantl. Zhel. dor. transp. 44 no. 12:77-83 D '62.

AUSTRIA—SLAVS

"National liberation movement of the southern Slavs in the Austro-Hungarian Monarchy, 1905-1914" by I. U. A. Pisarev. Reviewed by T. M. Iulimov, I. D. Ochak. Vop. ist. 30 no. 1:136-139 Ja '63.

AUTHORS

Intellectual literature. VI. Voronov. Mol. kom. no. 12:56-62 D '62.

Kolov, A. K. [Articles on Russian writers] Stat'i o russkikh pisatel'nikh. Moskva, Goslitizdat, 1962. 180 p.

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Rakhillo, I. S. [Moscow meetings] Moskovskie vstrechi. [Moskva] Mosk. rabochi, 1962. 308 p.

AUTHORS, SERBIAN—CORRESPONDENCE, REMINISCENCES, ETC.

Nuškic, Branislav D. [Autobiography. Translated from the Serbo-Croatian] Avtobiografija. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1961. 186 p.

AUTHORS AND READERS see subdivision under Lvov Province

AUTHORSHIP

Zivoltchinskaya, I. IA. [Notes on literary skill] Zametki o literaturnom masterstve. Moskva, Sovetskii pisatel', 1962. 183 p.

AUTOClaves

Dome type for the "Bolshevik" autoclave. E. M. Arlatov. Kauch. i rez. 21 no. 12:45-46 D '62.

AUTOMATIC CONTROL

(see also subdivision under Great Britain; Ust'-Kamenogorsk)

Advantages of one-row cognitive self-learning systems [with summary in English]. O. H. Ivakhnenko. Avtomatyka 7 no. 6:10-19 '62.

Akademika nauk SSSR, Institut avtomatiki i telemekhaniki. [New developments in pneumatic and hydraulic control] Novoe v pnevmo-gidravlicheskoi avtomatike. Moskva, Izd-vo Akad. nauk SSSR, 1962. 168 p.

Antic stepped regulation of the boiling temperature. L. V. Kolomenskii. Khim. tekhn. 30 no. 6:36-37 N-D '62.

Automatic centralized control of heat conditions in bloom-

ing mill regenerative soaking pits. M. M. Korotovskii, G. IA. Geller. Stal' 22 no. 12:1131-1134 D '62.

Automatic control of lumber drying conditions. M. IA. Broun. Bum. i der. prom. no. 4:10-13 O-D '62.

Automatic control of marine electric power plants. V. N. Konstantinov. Sudostroenie 28 no. 10:26-30 O '62.

Automatic control of strip thickness. D. N. Dobronravov. O. B. Kleshko, R. V. Idambakh. Mekh. i avtom. proizv. 16 no. 12:8-8 D '62.

Automatic control of the blooming-ingot car. G. A. Osipov. Mekh. i avtom. proizv. 16 no. 12:1-3 D '62.

Automatic control of the transportation system in an ore-dressing plant (from "Engineering and Mining Journal," no. 6, 1961). I. L. Koval'skii. Gor. zhur. no. 75-76 Ja '63.

Automatic control of the unloading conveyor of loading machines. V. A. Marutov, S. A. Pavlovskii. Mekh. i avtom. proizv. 16 no. 12:35-37 D '62.

Automatic "Dozeks" apparatus for continuous proportioning according to weight. B. G. Luchin. Masl. -zhir. prom. 28 no. 12:35-39 D '62.

Automatic pressure control of the composition. P. A. Karakai. Masl. -zhir. prom. 28 no. 12:32 D '62.

Automatic regulation of starting arrangements of marine gas turbine plants. S. B. Aksel'rod. Trudy TSNIIMF 8 no. 44:40-45 '62.

Automatic scraper winch 55LAS. V. N. Makashov, V. M. Slupitskii. Gor. zhur. no. 5:56-58 My '62.

Automatic temperature regulation in electric ovens. F. I. Belonkii. Khleb. i kond. prom. 6 no. 12:37 '62.

Automatically controlled unit for mechanized painting and drying of plastic motion-picture screens. I. U. A. Koslov. Lakokr. mat. i kh. prim. no. 6:68-70 '62.

Automation in weighing ores. E. A. Bellav. I. U. Iakubov. Gor. zhur. no. 1:74 Ja '63.

Automation of the control of wood grinding conditions. T. I. Mikheev. Der. prom. 11 no. 12:5-6 D '62.

Automation of the drying of some capillary-porous colloidal materials. L. R. Leparskii. Mekh. i avtom. proizv. 16 no. 12:11-14 D '62.

Automation of the process of cooling softened water. A. A. Pichugin and others. Khim. volok. no. 6:62-64 '62.

Automation of the SK-3 self-propelled grain harvesting combine [with summaries in English, German, and French]. L. I. Bogdanova. Vest. sel'khoz. nauk 7 no. 5:104-113 My '62.

Berezovets, G. T., A. L. Malvi, and E. M. Nadzhafov. [Devices in a pneumatic, multipurpose, standardized system and their use in automatically controlled production processes] Priboi pnevmaticheskoi agregatnoi unitirovannoi sistemy i ikh ispol'zovanie dlia avtomatizatsii proizvodstvennykh protsessov. Izd. 2., perer. i dop. Moskva, Gosoptekhnizdat, 1962. 213 p.

A certain method for the synthesis of compensating devices of linear systems with variable parameters. A. A. Gorskii. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:98-102 N-D '62.

Characteristics and calculation of composite servo systems satisfying the conditions of invariance. E. C. Uderman. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:133-143 N-D '62.

Choice of compound link coefficients of combined automatic control systems [with summary in English]. I. Kochubeva'yki. Avtomatyka 7 no. 6:3-9 '62.

Comparison of new applied methods in the theory of automatic control. B. M. Avdeev, I. U. A. Erpylov, I. U. Kovachich. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:178-200 N-D '62.

Comparison of the programming of some interpolators. V. V. Zhunko. Sbor. rab. po vop. elektromekh. no. 7: 242-250 '62.

Concerning a certain possible method for increasing dynamic properties of automatic control systems. I. U. N. Bakayev. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:144-145 N-D '62.

Concerning the effect of liquid viscosity in a hydraulic pipeline on its dynamic characteristics [with summary in English]. G. S. Babenko, A. M. Smirnov. Avtom. i telem. 24 no. 1:112-115 Ja '63.

Concerning the reliability of reserved devices. A. L. Garkavi, V. B. Gogolevskii. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:156-167 N-D '62.

Concerning the use of operational calculus in the study of intermittent processes. A. S. Rozenfel'd. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:145-149 N-D '62.

Concerning two types of problems of optimum control. I. U. P. Petrov. Sbor. rab. po vop. elektromekh. no. 7: 59-68 '62.

Construction of program control systems for machine tools. M. B. Ignat'ev. Sbor. rab. po vop. elektromekh. no. 7:220-242 '62.

Contribution to the statistical theory of self-adaptive control systems. I. E. Kazakov. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:76-81 N-D '62.

Control computer for the automation of complex production processes [with summary in English]. Avtom. i telem. 24 no. 1:30-35 '62.

A correction to the article "Statistical calculation of discrete automatic control systems." L. N. Volgin. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6: 201-202 N-D '62.

Cybernetics and the improvement of production planning and control. Avtom. i telem. 24 no. 1:3-6 Ja '63.

AUTOMATIC CONTROL (Continued)

- Design of an optimum stationary filter with a finite memory for a random time interval [with summary in English]. I. B. Chepuranov. *Avtom. i telemekh.* 24 no. 1: 47-52 Ja '63.
- Determination of the necessary frequency for the periodic measurement of a continuous signal [with summary in English]. M. V. Rybaashov. *Avtom. i telemekh.* 24 no. 1: 75-81 Ja '63.
- Determination of the r.m.s. error of interpolation in conjunction with the discrete measurement of random signals. I. M. Bykov. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6: 113-119 N-D '62.
- Determining the position of a controllable nonlinear pulsed system in phase space. I. A. N. Rottenberg. *Prikl. mat. i mekh.* 26 no. 6: 1135-1140 N-D '62.
- Digital device for programming the machining of sections of simplest surfaces. V. A. Parshinskii. *Sbor. rab. po vop. elektromekh.* no. 7: 250-261 '62.
- Dynamic accuracy of two-coordinate servosystems with program control. K. V. Leppik. *Sbor. rab. po vop. elektromekh.* no. 7: 50-59 '62.
- Dynamic method of determining the elasticity modulus of refractories at high temperatures and the automatic control of testing. M. N. Blavshstein, O. I. TSikoln, Z. K. Zykova. *Ogneupory* 28 no. 1: 13-17 '63.
- Dynamics of limiting control systems. L. G. Sobolev. *Trudy TSNIIMF* 0 no. 44: 68-71 '62.
- Effect of gaps in lateral feed mechanisms on the precision of the regulation of allowance yield speed. E. S. Zholeznov, V. N. Mikhailov. *Izv. vuz. ucheb. zav. mashinostr.* no. 7: 192-199 '62.
- Effective regulation and automatic control of temperature in the molding of plastics. V. N. Bukharev. *Plast. massy* no. 11: 67-69 '62.
- Evaluation of the reliability of a surface interpolator. V. V. Mikhailov. *Sbor. rab. po vop. elektromekh.* no. 7: 261-269 '62.
- Experimental study of the invariance of optimizing pulse systems without direct measuring links of the disturbance. A. A. Tunk. *Avtomatika* 7 no. 6: 55-59 '62.
- Foundries without founders. O. Kryzhanivskiy, V. Vrublevskiy. *Nauka i zhizn* 12 no. 7: 20-21 Ji '62.
- Glazkov, A. N., and A. N. Parfenov. [Electric equipment for petroleum and gas refineries] *Elektrooborudovanie neftegazopererabatyvayushchikh zavodov. Moskva, Gosoptekhizdat, 1962. 343 p.*
- Impulse control of functionals. N. P. Savant'yanov. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6: 103-112 N-D '62.
- Increase in the quality of control systems with pulse-width modulation. V. M. Kuntsevich. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6: 120-127 N-D '62.
- Initial quick operation of single circuit control systems. L. G. Sobolev. *Trudy TSNIIMF* 0 no. 44: 40-49 '62.
- An integrating device using transistors with parallel transfer of the integrand function and ripple-through carry of overflow units. *Sbor. rab. po vop. elektromekh.* no. 7: 343-349 '62.
- Intensification and automation of protein production. M. Grober, A. Kogan. *Mias. ind. SSSR* 33 no. 6: 14-18 '62.
- Invariance of systems containing digital computers. R. A. Pomekrov. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6: 133-138 N-D '62.
- An inverter using transistors for frequency control of the speed of asynchronous electric motors. D. A. Zavalishin, G. I. Novikova. *Sbor. rab. po vop. elektromekh.* no. 7: 70-75 '62.
- Investigating the systems of automatic driving by model studies [with summaries in English, German, and French]. S. P. Gelfenbein. *Vest. sel'khoz. nauki* 7 no. 1: 105-110 N '62.
- Investigating the two-position control systems of refrigerating plants. V. S. Uzhanski. *Khol. tekhn.* 39 no. 6: 31-37 N-D '62.
- Urmanov, B. N., and N. N. Ushakov. [Transducers and amplifiers in construction technology] *Datchiki i ustroystva v stroitel'noi tekhnike. Leningrad, Gosstroizdat, 1962. 118 p.*
- Krasovskii, A. A., and G. S. Pospelov. [Principles of automatic control and engineering cybernetics] *Osnovy avtomatiki i tekhnicheskoi kibernetiki. Moskva, Gosenergoizdat, 1962. 590 p.*
- Kryzhanivskiy, I. I. [The ABC's of automatic control] *Azbuka avtomatiki. Kiev, Dorzhnikovyday URSSR, 1962. 101 p. (Naukovo-populjarna biblioteka)*
- Level control by means of photoelectric transducers on automatic production lines. V. A. Novak. *Tekst. prom.* 22 no. 12: 70-74 D '62.
- Mechanism for piling clean plates. L. Kas'mina, Sh. Bederdinov. *Obshchestv. pit.* no. 11: 57-59 N '62.
- "The mechanism of economic systems" [in English] by A. Tustin. Reviewed by V. V. Klechikov. *Avtomatika* 7 no. 6: 65-68 '62.
- Methodology for constructing amplitude-phase characteristics of correcting links taking into account perturbances. E. M. Smirnov. *Sbor. rab. po vop. elektromekh.* no. 7: 68-77 '62.
- An optimal dynamic system assuming expandability of the mathematical expectations of the control responses in terms of the harmonic components. A. N. Skliarevich. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6: 67-75 N-D '62.
- Optimal transfer function with disturbances and periodic mathematical expectations. A. N. Skliarevich. *Avtom. i telemekh.* 24 no. 1: 53-63 Ja '63.
- Orlin, A. S., and others. [Internal combustion engines] *Dvigateli vnutrennego sgoraniya. Pod red. A. S. Orlina. Moskva, Mashgiz.*
- Vol. 3. [Systems, regulation, automatic control] *Sistemy. Regulirovanie. Avtomatizatsiya. 1962. 307 p.*
- The PRSD-3 programming regulator for automatic programmed regulation of wood drying. *Bum. i der. prom.* no. 4: 13 O-D '62.
- Photoelectric servosystems for program controlled machining of plane parts. I. U. A. Sabinin, O. V. Popov. *Sbor. rab. po vop. elektromekh.* no. 7: 210-227 '62.
- Problem concerning the classification of automatic systems according to principle of control. O. I. Kukhtenko. *Avtomatika* 7 no. 6: 69-82 '62.
- Problem concerning the use of inertial links for constructing one class of automatic control systems with variable structure. Part I [with summary in English]. S. V. Emsil'yanov, V. A. Taran. *Avtom. i telemekh.* 24 no. 1: 33-46 Ja '63.
- Problems concerning the analysis of digital servosystems for nonmutual control of astronomical instruments. S. V. Korotkov, V. A. Miasnikov, I. U. A. Sabinin. *Sbor. rab. po vop. elektromekh.* no. 7: 192-209 '62.
- Procedure and installation for linear heating [with summary in English]. N. L. Gal'perin. *Inzh. - fiz. zhur.* 6 no. 1: 39-45 Ja '63.
- Program control of a farm tractor (from "Journal of Agricultural Engineering Research," no. 4 1960). *Mekh. i elek. sels'khoz.* 20 no. 6: 58-59 '62.
- Programmed control of the automatic centralization systems of hump yards. C. A. Krasovskii, V. A. Bulanov, I. U. Morozov. *Vest. TSNIIMPS* 21 no. 8: 59-61 '62.
- Prospects of the expansion of production automation in the paint industry. I. U. P. Zolikh, E. B. Manufov. *Lakokras. mat. i kh. prom.* no. 6: 1-2 '62.
- Readiness factor and optimal control period of auxiliary automatic systems. A. A. Slepov. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6: 150-155 N-D '62.
- Refined form of equivalent linearization of essentially nonlinear asymmetrical links. A. A. Tunk. *Avtomatika* 7 no. 6: 62-64 '62.
- Reply to a letter by V. F. Nesteruk, N. M. Porfir'eva, and B. A. Pinagin. I. U. M. Bykov. *Avtom. i telemekh.* 24 no. 1: 117-118 Ja '63.
- Reservation with fractional multiplicity. I. P. Paderno. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6: 160-170 N-D '62.
- Retention of stability in a certain class of nonlinear systems with presence of considerable disturbances [with summary in English]. R. I. Mamedov. *Avtom. i telemekh.* 24 no. 1: 109-111 Ja '63.
- The "SGD-2" gas analyzer for automatic regulation and control of miscelle distillation. A. K. Biljaev, Kh. Khar. *prom.* no. 4: 23-25 O-D '62.
- Selecting the automatic control system for grape juice pasteurization and refrigeration equipment. A. A. Erofeev. *Trudy MNIIP* 1: 129-135 '61.
- Selection of optimum parameters of automatically controlled electric drive systems using amplidyne as generators. O. V. Popov, S. V. Korotkov. *Sbor. rab. po vop. elektromekh.* no. 7: 101-116 '62.
- Selection of optimum time parameters of a data collecting system for control computers used in automation systems of technological units for petroleum refineries. V. G. Lapa. *Nauk. zap. Ukrniproekta* no. 8: 94-102 '62.
- A semi-graphical method for determining the acceleration curve of the technological sector of a control object. E. V. Chuprianov. *Izv. AN Kazakh. SSR. Ser. energ.* no. 2: 47-54 '62.
- Servo system compensating device using operative a. c. I. U. L. Gold'ich. *Izv. vuz. ucheb. zav. elektromekh.* 6 no. 6: 1024-1032 '62.
- Solution of a new problem concerning the reliability of control systems [with summary in English]. V. M. Popov. *Avtom. i telemekh.* 24 no. 1: 7-26 Ja '63.
- Solution to the problem of automatically stabilizing the movement of a tracklaying mining machine. V. T. Snagin. *Mekh. i avtom. v gornoi prom.* no. 2: 304-325 '62.
- Some problems concerning the accuracy of the reproduction of trajectories on second-order surfaces using digital differential analyzers. E. I. Perovskala. *Sbor. rab. po vop. elektromekh.* no. 7: 33-50 '62.
- Some problems concerning the synthesis of digital analogs. M. B. Ignat'ev. *Sbor. rab. po vop. elektromekh.* no. 7: 19-33 '62.
- Some problems of the automatic control of heat release according to the temperature of the outdoor air. S. A. Chistov. *Sbor. nauch. rab. AKKI* no. 6: 170-178 '61.
- Some remarks and additions to I. U. M. Bykov's article "Fluctuation noise generators for studying infra-low frequency control objects." V. F. Nesteruk, N. M. Porfir'eva, B. A. Pinagin. *Avtom. i telemekh.* 24 no. 1: 116-117 Ja '63.
- Some uses of digital analogs in automatic control. A. A. Voronov, M. B. Ignat'ev. *Sbor. rab. po vop. elektromekh.* no. 7: 5-19 '62.
- Spectral apparatus for automatic control and regulation in the chemical industry (survey). V. A. Nikitin. *Zav. lab.* 28 no. 12: 1497-1504 '62.
- Stabilization of solutions to problems of optimum control. M. A. Krasnodel'skii, A. I. U. Levin. *Zhur. vych. mat. i mat. fiz.* 2 no. 5: 815-821 S-O '62.
- Standardization, intensification, and automatic control of the thermochemical reduction process with magnesium. S. V. Ogurtsov, V. A. Roznichenko, A. I. Dodkov. *Titani ego splavy* no. 8: 145-159 '62.
- Structure for unloading a dump truck into a bunker. G. R. Zhur. *no. 5: 75 My '62.*
- Study of position transducers for use in digital control systems of telescopes. R. G. Vinogradova, V. A. Miasnikov. *Sbor. rab. po vop. elektromekh.* no. 7: 160-191 '62.
- Study of the automatic closing of distributors on hydraulic turbines of the Volga Hydroelectric Power Station (22d Congress of the CPSU). N. P. Polushkin. *Gidrotroi.* 33 no. 11: 27-30 N '62.
- Study of the possibility of using the radiometric method to control the distance before contact between coal and rock for purposes of automation of stoping machinery. E. S. Snagovskii, V. G. Segalin, A. A. Rudakovskii. *Mekh. i avtom. v gornoi prom.* no. 2: 291-304 '62.
- Study of the stability of a synchronization system with delay. I. U. N. Balmov. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6: 128-132 N-D '62.
- Study of transient processes in an automated electric drive using electronic analog computers. O. V. Popov, S. V. Korotkov. *Sbor. rab. po vop. elektromekh.* no. 7: 115-130 '62.
- Systems for automatic derivation of positional angle with coordinate converter based on rotating transformers. V. P. Egorov, M. A. Ivanova, I. U. A. Sabinin. *Sbor. rab. po vop. elektromekh.* no. 7: 171-180 '62.
- Technological principles of automating the control of rotary distributors. A. L. Berlin. *Stal'* 22 no. 12: 1065-1068 D '62.
- Television methods and equipment for the automatic control of blooming mill mechanisms [with summary in English on p. 66]. V. A. Rabnovich. *Tekhn. kino i telev.* 7 no. 1: 55-62 Ja '63.
- Theory of numeroids in automation algebra. G. N. Pavlov. *Probl. pered. inform.* no. 11: 23-33 '62.
- Use of a graphical method for calculating transient processes in an asynchronous electric drive with frequency regulation. V. A. Prozorov. *Sbor. rab. po vop. elektromekh.* no. 7: 130-137 '62.
- Use of analog computers in the composite control of the angle and speed of asymmetrical astronomical devices. I. U. A. Sabinin, V. P. Egorov. *Sbor. rab. po vop. elektromekh.* no. 7: 155-171 '62.
- Use of automatic control systems with a variable structure for regulating one class of linear static objects [with summary in English]. E. A. Barbashin, I. N. Pechorina, R. M. Eldinov. *Avtom. i telemekh.* 24 no. 1: 27-32 Ja '63.
- Use of electric contact manometers in diagrams of noncontact control of hydraulic presses. A. M. Gol'khevol, V. M. Lovertov. *Kuz. - shtam. proizv.* 4 no. 12: 34-36 D '62.
- Use of linear programming methods in a certain problem concerning the theory of servo systems. L. S. Gaoen'skii, S. M. Movshovich. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6: 50-68 N-D '62.
- Use of servo correctors in amplidyne automatic control systems. V. L. Gruzov, V. M. Mamedov, V. V. Rudakov. *Sbor. rab. po vop. elektromekh.* no. 7: 147-157 '62.
- Using automatic ventilation doors. V. G. Grebeniuk and others. *Gor. zhur.* no. 5: 74-75 My '62.
- Variational problems of the optimization of control processes with functionals depending on intermediate values of the coordinates. V. A. Troitskii. *Prikl. mat. i mekh.* 26 no. 6: 1003-1011 N-D '62.
- Ways of expanding automatic control in ore dressing plants. G. S. Nesterov. *TSvet. met.* 35 no. 9: 12-15 S '62.

AUTOMATIC CONTROL—BIBLIOGRAPHY see Bibliography—Automatic control

AUTOMATIC CONTROL—EQUIPMENT AND SUPPLIES

Active automatic control equipment. S. M. Skorodtzev'skii. *Mashinostroyeniye* no. 5: 74-80 S-O '62.

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATIC TELEPHONE see Telephone, Automatic

AUTOMATIC TIMERS

Electroacoustic device for recording the time of movements of an athlete. I. M. Vainer, M. A. Merman. *Teor. i prak. fiz. kul'* 25 no. 11: 75-77 N '62.

Electronic relay for automatic timing during spectrum analysis. V. N. Zaritov. *Avtom. i prib.* no. 4: 90-91 O-D '62.

AUTOMATION

(see also subdivision under Ukraine)

- "ABC of automation" by I. I. Krynets'kiy. Reviewed by L. Makarenko, P. Zhovakho. Nauka i zhyttia 12 no. 11:63 N '62.
- Asadenilia strotel'stva i arkhitektury SSSR. Institut ekonomiki strotel'stva. [Instructions for analyzing the economic effectiveness of introducing mechanization and automation in construction] Ukazania po raschetam ekonomicheskoi effektivnosti vnedrenia mekhanizatsii i avtomatizatsii v strotel'stvo. Moskva, Gosstroizdat, 1962. 133 p.
- All-Union Conference on the Automation of Drying Processes in Industry and Agriculture. V. L. Shevel'kov. Inzh.-fiz. zhur. 6 no. 1:122-128 Ja '63.
- Automatic captain is piloting the ship. V. Stel'makh. Nauka i zhyttia 12 no. 7:28 JI '62.
- Automatic forge shop of cardan bearings. I. A. Sauskun. Kuz.-shch. prom. 4 no. 12:37-43 D '62.
- Automatic shop for manufacturing cardan bearings. I. A. Sauskun. Vest. mashinost. 42 no. 12:78-80 D '62.
- Automation in astronautics. A. M. Letov. Nauka i zhyttia 20 no. 11:26-29 N '62.
- Automation in enterprises of the chemical industry of the Latvian Economic Council. D. I. Dekhtin, V. P. Regechev. Mekh. i avtom. protzv. 16 no. 12:9-11 D '62.
- Automation of tomato processing lines. G. V. Chalyi, B. M. Butenko. Izv. AN Mold. SSR no. 9:45-67 '62.
- Calculating the precision of the process of automatic assembly. B. Lobzov, K. Mucenka. Izv. AN Latv. SSR no. 4:49-56 '61.
- Choosing automatic equipment for road construction bases. M. D. Morzon, A. P. Lishevich. Stroitel'stvo. mash. 7 no. 12:22-23 D '62.
- Classification of automated technological processes in farming. A. N. Mikhail'chuk, P. M. Riazantsev. Mekh. i elek. sots. sel'khoz. 20 no. 8:25-29 '62.
- Control computer for the automation of complex production processes [with summary in English]. Avtomatyka 7 no. 6:30-39 '62.
- Discussion of I. A. B. Kal'mitskii and S. P. Vasil'evskii's article "Problems in the automation of stoping equipment in the mining industry." A. S. Sergeyev, V. I. Blagonravov. Gor. zhur. no. 5:48-52 My '62.
- For workers of light industry. NTO 4 no. 9:52-53 S '62.
- Green light to automation. N. Poznyukhov. Za bezop. dvizh. 5 no. 12:1-2 D '62.
- Iashchoritsyn, P. I. [Our practice in the modernization of equipment and automation of production processes] Nash opyt modernizatsii oborudovaniia i avtomatizatsii proizvodstva. Minsk, Gosizdat BSSR, 1962. 90 p.
- In the State Committee on Automation and Machinery Manufacture at the Council of Ministers of the U.S.S.R. Mekh. i avtom. protzv. 16 no. 12:54-55 D '62.
- Increasing labor productivity by automation. N. M. Lych, V. G. Chirkov. Izv. vya. ucheb. zav. mashinost. no. 7: 200-208 '62.
- Its number is 250. M. Horysenko. Nauka i zhyttia 12 no. 10:26-27 O '62.
- Mechanization of auxiliary operations in textile plants of the Ivanovo Economic Council. A. A. Nikol'skii, M. S. Melamed. Mekh. i avtom. protzv. 16 no. 12:18-22 D '62.
- Monographic work in three volumes on the automation of production processes in the machinery industry. Mekh. i avtom. protzv. 16 no. 12:57 D '62.
- New technological processes are a basis for an over-all automation of industrial production. Avt. prom. 20 no. 1:1-2 Ja '63.
- Newspaper is set by "invisible hands." V. I. Anova'skiy. Znan. ta pratsia no. 11:18-19 N '62.
- Over-all automation of circular grinding machines. P. I. Maslanko. Mashinostroenie no. 8:13 S-O '62.
- "Over-all automation of seagaling vessels." Reviewed by A. Molisev. Izv. AN Latv. SSR no. 4:175-176 '61.
- Over-all mechanization and automation of industrial processes in combines. L. N. Chumadov. Stroitel'stvo. mash. 7 no. 1:23-25 Ja '63.
- Prerequisites for the efficient introduction of automation in production. V. Aleksandrova. Ekon. Rad. Ukr. no. 6: 101-106 N-D '62.
- Seminar on automation of the production processes in mines. V. M. Popov. Gor. zhur. no. 1:78 Ja '63.
- Some problems concerning the automation of mobile agricultural machines. A. A. Dubrovskii, S. P. Gel'fenshtein. Mekh. i elek. sots. sel'khoz. 20 no. 8:21-25 '62.
- Some theoretical problems in the automation of assembling processes of machinery. B. S. Balinskii. Vest. mashinost. 42 no. 12:30-44 D '62.
- Stollarov, Iu. S. [Automation and remote control in the work of young technologists] Avtomatika i telemekhanika v tvorchevstve lynykh tekhnolov. Moskva, Izd-vo DOKAAF, 1962. 105 p.
- Technological progress in industrial administration. A. Bondarenko. Plan. khoz. 40 no. 2:64-68 F '63.
- Theoretical premises for the automation of farming operations. P. M. Vasilenko. Mekh. i elek. sots. sel'khoz. 20 no. 8:30-34 '62.
- When a metallurgist dreams. I. I. Medvedev. Znan. ta pratsia 37 no. 11:22-25 N '62.

AUTOMATION—BIBLIOGRAPHY see Bibliography—Automation

AUTOMATION—ECONOMIC ASPECTS see subdivision under United States

AUTOMOBILE DRIVERS

(see also subdivision under Moscow Province)

- A badge for drivers. Za rul. 20 no. 12:24 D '62.
- Readers' letters. Za rul. 20 no. 12:15 D '62.
- They trusted the man. A. Furman. Za bezop. dvizh. 5 no. 12:11 D '62.

AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

(see also subdivision under Bashkiria; Gorkiy Province; Kostov Province)

- "Manual for automobile drivers" by A. D. Zhabin. Reviewed by P. Batanov. Za rul. 20 no. 12:29 D '62.
- More on the training of automobile drivers. A. Galakhov, N. Zimin. Za rul. 21 no. 1:21 Ja '63.
- Way to great achievements. A. Maiorov. Za rul. 21 no. 1:4 Ja '63.

AUTOMOBILE ENGINEERING—BIBLIOGRAPHY see Bibliography—Automobile engineering

AUTOMOBILE ENGINEERING—TECHNOLOGICAL INNOVATIONS

- Soviet inventions in automobile engineering introduced into industry. Avt. prom. 20 no. 12:44-45 D '62.
- Soviet inventions in automobile engineering introduced into production. List No. 1. Avt. prom. 20 no. 1:48 Ja '63.

AUTOMOBILE INDUSTRY

(see also subdivision under Moscow; Ukraine)

- Further development of the automobile industry. Avt. prom. 20 no. 11:2 of cover N '62.
- Introducing new brands of rapid steels in the automobile industry. M. A. Sazar. Avt. prom. 20 no. 1:31-32 Ja '63.

AUTOMOBILE INDUSTRY—ACCOUNTING see subdivision under Moscow

AUTOMOBILE INDUSTRY—AUDITING AND INSPECTION see subdivision under Minsk

AUTOMOBILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

- For you, automobile fans! Znan. ta pratsia no. 11:21 N '62.

AUTOMOBILE INDUSTRY WORKERS—EDUCATION AND TRAINING see subdivision under Moscow

AUTOMOBILE PARKING see subdivision under Moscow

AUTOMOBILE RACING

(see also subdivision under Baltic States; Leningrad; Ukraine)

- "Competition in figure driving of automobiles and motorcycles" by V. Berezkin, S. Postelnikov. Reviewed by E. Sokhatskaia. Za rul. 21 no. 1:32 Ja '63.
- Results of world championship in automobile racing. Za rul. 20 no. 12:32 D '62.
- Towards volunteer work. A. Skvortsov. Za rul. 20 no. 12:1-2 D '62.

AUTOMOBILES see subdivision under Italy

AUTOMOBILES—BRAKES

- Causes of squeaking and possibilities of its prevention in automobile brakes. I. I. Kosterin, I. I. Vasil'ev. Avt. prom. 28 no. 12:21 D '62.

AUTOMOBILES—COLD WEATHER OPERATION

- Electric heating of tractor and automobile engines. V. Kozlov. Tekh. v sel'khoz. 22 no. 11:61-64 N '62.

AUTOMOBILES—DESIGN AND CONSTRUCTION

- Development of the design of automobiles. G. I. Samoil. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:86-89 '62.

AUTOMOBILES—ENGINES

- Gor'kovskii avtomobil'nyi zavod. Gorki. [Engine of the "Volga" automobile; design, maintenance, repair] Dykatel' avtomobil'ia "Volga"; ustroistvo, obeluzhivanie, remont. Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1962. 168 p.
- Oil loss and gas escape in the GAZ caged-valve engines. I. B. Gurych, V. A. Sukhanov. Avt. prom. 28 no. 12: 27-28 D '62.

AUTOMOBILES—ENGINES—CYLINDERS

- Improve the quality of repairing cylinder blocks. A. Musyehuk. Tekh. v sel'khoz. 22 no. 11:77-79 N '62.
- Investigating the wear of cylinders. A. P. Karpov. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:366-366 '62.
- Source of errors in the machining of cylinder blocks. M. Krivoruchko. Tekh. v sel'khoz. 22 no. 11:73-74 N '62.

AUTOMOBILES—FUEL CONSUMPTION—MEASUREMENT

- Automatic fuel-consumption meter. L. A. Klimin, A. P. Gorin. Avt. prom. 29 no. 1:29-30 Ja '63.

AUTOMOBILES—FUEL SYSTEMS

- Electronic control of fuel injections. V. Kogener, A. Laitayn, B. Svidler. Za rul. 20 no. 12:22-23 D '62.
- Heated fuel intake of fuel tanks of the KRAZ automobiles. L. S. Ryzhko. Avt. prom. 28 no. 12:28-30 D '62.

AUTOMOBILES—INSPECTION

- Voluntary inspection. A. Shurygin. Za bezop. dvizh. 5 no. 12:10-11 D '62.

AUTOMOBILES—MODELS

- New norms for automobile-model races. K. Turbado. Za rul. 20 no. 12:24 D '62.

AUTOMOBILES—SAFETY MEASURES

- Readers' suggestions. Za bezop. dvizh. 5 no. 12:14-15 D '62.

AUTOMOBILES—SHOCK ABSORBERS

- Investigating hydraulic characteristics of the valves of a shock absorber. V. A. Ilarionov, V. T. Pashilev, A. D. Derbaremdiker. Avt. prom. 29 no. 1:19-22 Ja '63.

AUTOMOBILES—SOCIETIES, ETC. see subdivision under Lutsik

AUTOMOBILES—SOCIETIES, ETC.—CONGRESSES

- Congress of the International Automobile Association. L. Afanas'ev. Za rul. 21 no. 1:31 Ja '63.

AUTOMOBILES—SPRINGS

- Suspensions of foreign automobiles of 1962. G. P. Bogdanov. Avt. prom. 29 no. 1:44-47 Ja '63.

AUTOMOBILES—STARTING DEVICES—TESTING

- New method for testing electric starting devices of motor vehicles. M. K. Proshinskiy. Avt. prom. 28 no. 11: 32-34 N '62.

AUTOMOBILES—TRANSMISSION DEVICES

- Semiautomatic machine for the assembly of gearbox housings. V. G. Palatko. Avt. prom. 29 no. 1:33 Ja '63.

AUTOMOBILES—TRANSMISSION DEVICES, AUTOMATIC

- Stand testing of units and parts of the automatic gearbox and hydraulic torque converter of the "Chaika" automobile. A. V. Novikov. Avt. prom. 28 no. 11: 18-21 N '62.

AUTONOMIC DRUGS

- Acid erythrograms as a method for the clinical evaluation of the functional state of the body during the use of potentiating substances. E. M. Valentinovich. Zdrav. Kazakh. 22 no. 7:8-10 '62.

AVALANCHES see subdivision under Caucasus

AVIATION MEDICINE

- Overextension and means for increasing the resistance of the organism. V. Stepanov, G. Khlebnikov. Av. i kosm. 45 no. 1:44-48 Ja '63.

AVITAMINOSIS see Deficiency diseases

AXONOMETRIC PROJECTION

- Basic theorem of central axonometry. V. A. Manevich. Mat. v shkole no. 6:7-13 N-D '62.
- Some methods for constructing graphic representations. N. S. Garina, G. A. Marinova, I. A. Lukashenko. Sbor. stud. nauch.-issl. rab. TSKHA no. 11: '62.

AZABICYCLOCTANE

- Hofmann degradation of 1-azabicyclo (3, 2, 1) octane. Part 7: Hofmann degradation of 3-methyl-1-azabicyclo (3, 2, 1) octane. A. D. Iantna, M. V. Rubtsov. Zhur. ob. khim. 32 no. 12:3941-3945 D '62.

AZEOTROPES

- Heat of evaporation of the components of binary azeotropic mixtures with a minimum boiling point [with summary in English]. E. A. Rapshtynskaya. Ukr. fiz. zhur. 7 no. 8:908-910 Ag '62.

AZERBAIJAN—ADMINISTRATIVE AND POLITICAL DIVISIONS

- [Administrative and territorial divisions of the Azerbaijan S.S.R. as of January 1, 1961] Azerbaidzhanstskaya SSR; administrativno-territorial'noe delenie na 1 ianvaria 1961 goda. Baku, Azerbaidzhanstskoe gos. izd-vo, 1961. 270 p.

AZERBAIJAN—AFFORESTATION

- Planting oak in clusters on irrigated lands in Azerbaijan. A. S. Bukov and others. Agrobiologia no. 6:693-904 N-D '62.

AZERBAIJAN—ALFALFA—DISEASES AND PESTS

- The midge *Perrisia ignorata* Wachtl on alfalfa. S. R. Mamodova. Zashch. rast. ot vred. i bol. 5 no. 8:33 Je '60.

AZERBAIJAN—AMMONOIDEA

- Classification of the family Araxoceratidae. V. E. Ruzhentsev. Paleont. zhur. no. 4:88-103 '62.

AZERBAIJAN—BEES—DISEASES AND PESTS

- New blood disease of bees in Azerbaijan. N. P. Ibragimov. Trudy Azer. nauch.-issl. vel. inst. 13:99-111 '62.

AZERBAIJAN—BOLLWORM—EXTERMINATION

Exclude cottonseed cakes from the means for controlling the bollworm. A. V. Vinogradov. Zashch. rast. ot vred. 1 bol. 5 no. 5:10-11 My '60.

AZERBAIJAN—BOOKSELLERS AND BOOKSELLING

Symbol of great friendship. N. Agayev. Sov. knizh. torg. 14 no. 10:4-5 '62.

AZERBAIJAN—BRUCELLOSIS IN CATTLE

Determining the normal agglutination titer in buffaloes. M. K. Ganlev, A. A. Kuliev. Trudy Azer. nauch.-issl. vet. inst. 13:48-50 '62.

AZERBAIJAN—BUFFALOES—DISEASES AND PESTS

Determining the normal agglutination titer in buffaloes. M. K. Ganlev, A. A. Kuliev. Trudy Azer. nauch.-issl. vet. inst. 13:48-50 '62.

Epizootiology of necrobacillosis of buffaloes in some regions of Azerbaijan. M. K. Ganlev, I. A. Farzaliyev. Trudy Azer. nauch.-issl. vet. inst. 13:58-63 '62.

Susceptibility of female buffaloes to trichomoniasis of cattle. Report No. 1. K. M. Mamedov. Trudy Azer. nauch.-issl. vet. inst. 13:102-108 '62.

Use of ring reaction in the diagnosis of brucellosis in lactating buffaloes. M. K. Ganlev, A. A. Kuliev. Trudy Azer. nauch.-issl. vet. inst. 13:51-57 '62.

AZERBAIJAN—CARROTS—FERTILIZERS AND MANURES

Efficiency of fertilizers applied to carrots [with summaries in English, German, and French]. M. G. Dzhebrailov. Vest. sel'khoz. nauki 7 no. 11:37-38 N '62.

AZERBAIJAN—CATTLE—DISEASES AND PESTS

Intensity of immunity in theileriasis experimentally produced by the Apsheron strain. D. A. Mirzabekov, A. A. Agayev. Trudy Azer. nauch.-issl. vet. inst. 13:151-156 '62.

Trichomoniasis of cattle in Azerbaijan [in Azerbaijani with summary in Russian]. K. M. Mamedov. Trudy Azer. nauch.-issl. vet. inst. 13:157-161 '62.

AZERBAIJAN—CONJUNCTIVITIS

Infectious conjunctivitis of chickens in the Azerbaijan S.S.R. M. K. Ganlev, F. B. Shirinov. Trudy Azer. nauch.-issl. vet. inst. 13:37-41 '62.

AZERBAIJAN—COTTON—DISEASES AND PESTS

Exclude cottonseed cakes from the means for controlling the bollworm. A. V. Vinogradov. Zashch. rast. ot vred. 1 bol. 5 no. 5:10-11 My '60.

AZERBAIJAN—EARTH TEMPERATURE

Geothermal characteristics of a cross section of Tertiary sediments [in Azerbaijani]. G. M. Sakharov, I. U. K. Taramukha. Izv. vuz. ucheb. zav.; nef't i gaz 5 no. 4:3-8 '62.

AZERBAIJAN—FAÇADES—ESTIMATES

Azerbaijan. Gosudarstvennyi komitet po delam stroitel'stva i arkhitektury. [Standard regional estimates for construction work, determined by local conditions of construction projects for the first and second groups of construction projects in Baku and Kirovbad and nineteen zones of the Azerbaijan S.S.R.] Shornik edinykh raionnykh edinichnykh raschetov na stroitel'nyye raboty, privyazannykh k mestnym usloviyam stroitel'nykh dlya pervoi i vtoroi grupp stroek po g. g. Baku, Kirovbad i 19-ti zonam Azerbaidzhanskoi SSR. Baku, 1959. 7 p.

AZERBAIJAN—FOOT-AND-MOUTH DISEASE

Epizootology of the foot-and-mouth disease in the Azerbaijan S.S.R. I. I. Manafov, N. A. Babashina. Trudy Azer. nauch.-issl. vet. inst. 13:5-16 '62.

AZERBAIJAN—FRUIT—DISEASES AND PESTS

Glorious results of work on an Azerbaijani collective farm. A. Elubov. Zashch. rast. ot vred. 1 bol. 2 no. 6: 21-23 N-D '57.

AZERBAIJAN—GALL GNATS

The midge *Perrisia ignorata* Wachtl on alfalfa. S. R. Mamedov. Zashch. rast. ot vred. 1 bol. 5 no. 6:53 Je '60.

AZERBAIJAN—GEOLOGY, STRATIGRAPHIC

Boundary between the Neogene and Quaternary; based on the data of marine fauna in Azerbaijan. K. A. Ali-Zade. Trudy Kom. chetv. per. 20:180-181 '62.

Climate of the sedimentation province of the Apsheron-type producing layer. T. S. Shakhmurov. Uch. zap. AGU. Geol.-geog. ser. no. 6:13-22 '61.

AZERBAIJAN—GEOLOGY, STRUCTURAL

Recent tectonics and the relief of western Azerbaijan and southeastern Kazakhstan. M. A. Mamedov. Uch. zap. AGU. Geol.-geog. ser. no. 1:47-62 '62.

AZERBAIJAN—GRAPES—VARIETIES

Alakhverdiev, R. K. [Varietal diversity and standard varieties of grapes in Azerbaijan] Sortovoi sostav i standartnyi sortiment vinergrada Azerbaidzhanskoi SSR. Pod red. A. M. Nogrullia. Baku, Azerneshr. 1962. 72 p. (DNAL)

AZERBAIJAN—HEMORRHAGIC SEPTICEMIA

Course, clinical aspects and pathological anatomy of pasteurellosis of sheep under natural conditions. M. K. Ganlev, D. M. Dashdamirov. Trudy Azer. nauch.-issl. vet. inst. 13:30-36 '62.

Epizootiology and the course of pasteurellosis (hemorrhagic septicemia) of sheep. Report No. 2. Trudy Azer. nauch.-issl. vet. inst. 13:25-29 '62.

Sheep of various age groups as carriers of pasteurellosis. Report No. 2. M. K. Ganlev, D. M. Dashdamirov. Trudy Azer. nauch.-issl. vet. inst. 13:16-24 '62.

AZERBAIJAN—HISTORY

"History of the social and philosophical thought of Azerbaijan in the 19th century" by Geldar Guseinov. Reviewed by A. V. Fadeev. Vop. ist. 38 no. 1:121-130 Ja '63.

AZERBAIJAN—INDUSTRIES

[Forty years of Azerbaijani industry: 1920-1960] Promyshlennost' Azerbaidzhana za 40 let: 1920-1960 gg. Baku Azerbaidzhanskoe gos. izd-vo nef'tianoi i nauchnotekhn. lit.-ry. 1960. 133 p. plates, tables. (NRC)

AZERBAIJAN—JUSTICE, ADMINISTRATION OF

Reports on the work of standing committees. Sov. deput. trud. no. 6:104-105 Je '62.

AZERBAIJAN—LABOR COURTS

Azerbaijan. Laws, statutes, etc. [Regulations on "low workers' courts". Adopted by decree of the Presidium of the Supreme Soviet of the Azerbaijan S.S.R., October 7, 1961] Polozheniye o tovarishcheskikh sudakh. Ustavzhdomo Ukazom Prezidiuma Verkhovnogo Soveta Azerbaidzhanskoi SSR ot 7 oktyabrya 1961 g. Baku, Izd. Verkhovnogo Soveta Azerbaidzhanskoi SSR, 1962. 9 p.

AZERBAIJAN—LIVER FLUKE

Sheep fascioliasis in Azerbaijan [in Azerbaijani with summary in Russian]. A. D. Galbov, I. A. Gadzhiev. Trudy Azer. nauch.-issl. vet. inst. 13:125-130 '62.

AZERBAIJAN—MILK VETCHES

Improving the seed germination of gum-bearing Astragalus. M. A. Mikailov. Agrobiologiya no. 6:935 N-D '62.

AZERBAIJAN—MUD VOLCANOES

A role of cosmic factors in the manifestation of mud volcanism. G. P. Tammazian. Uch. zap. AGU. Geol.-geog. ser. no. 1:87-94 '62.

AZERBAIJAN—MULBERRY BREEDING

Making use of triploidy in developing high-yielding forms of mulberry trees. I. K. Abdullayev. Agrobiologiya no. 6:861-865 '62.

AZERBAIJAN—NECROSIS, BACILLARY

Epizootology of necrobacillosis of buffaloes in some regions of Azerbaijan. M. K. Ganlev, I. A. Farzaliyev. Trudy Azer. nauch.-issl. vet. inst. 13:58-63 '62.

AZERBAIJAN—OAK

Planting oak in clusters on irrigated lands in Azerbaijan. A. S. Bukov and others. Agrobiologiya no. 6:890-894 N-D '62.

AZERBAIJAN—OIL WELL DRILLING

Efficiency of turbine and rotary drilling in the Kyanizdag area [in Azerbaijani with summary in Russian]. S. M. Kuliev and others. Azerb. nef't. khoz. 41 no. 8: 12-14 Ag '62.

AZERBAIJAN—OIL WELL DRILLING, SUBMARINE

Amirov, A. D. [Offshore oil workers, winners of the Lenin Prize] Morakie nef'tianiki - laureaty Leningolskoi premii. Baku, Ob-vo po rasprostraneniyu polit. i nauchn. znaniy, 1962. 80 p.

AZERBAIJAN—ORIBATIDAE

Fifteen new representatives of oribatid mites (Acari-formes, Oribatei) of the genera *Oppia* and *Ceratozetes*. K. A. Kuliev. Trudy Azer. nauch.-issl. vet. inst. 13: 260-268 '62.

AZERBAIJAN—PALAEBOTANY

History of the study of the flora of Cenozoic sediments in Azerbaijan [in Azerbaijani with summary in Russian]. G. M. Kasumova. Uch. zap. AGU. Geol.-geog. ser. no. 6:60-84 '61.

AZERBAIJAN—PALAECLIMATOLOGY

Climate of the sedimentation province of the Apsheron-type producing layer. T. S. Shakhmurov. Uch. zap. AGU. Geol.-geog. ser. no. 6:13-22 '61.

AZERBAIJAN—PARASITES—BUFFALOES

Dicrocoeliasis of buffaloes and zebras in the Azerbaijan S.S.R. A. K. Mamedov. Trudy Azer. nauch.-issl. vet. inst. 13:141-143 '62.

AZERBAIJAN—PARASITES—DUCKS

Seasonal dynamics of helminths and the most widely spread helminthiasis of domestic ducks in Azerbaijan. M. M. Shirinov. Trudy Azer. nauch.-issl. vet. inst. 13: 112-119 '62.

AZERBAIJAN—PARASITES—SHEEP

Sheep fascioliasis in Azerbaijan [in Azerbaijani with summary in Russian]. A. D. Galbov, I. A. Gadzhiev. Trudy Azer. nauch.-issl. vet. inst. 13:125-130 '62.

AZERBAIJAN—PARASITES—WATER BIRDS

Rare helminth species of domestic waterfowl. N. M. Shirinov. Trudy Azer. nauch.-issl. vet. inst. 13:120-124 '62.

AZERBAIJAN—PARASITES—ZEBUS

Dicrocoeliasis of buffaloes and zebras in the Azerbaijan S.S.R. A. K. Mamedov. Trudy Azer. nauch.-issl. vet. inst. 13:141-143 '62.

AZERBAIJAN—PLANTS, EFFECT OF TRACE ELEMENTS ON

Abutalybov, M. G. [Importance of trace elements in plant growing] Znachenie mikroelementov v rastenievodstve. Baku, Azerbaidzhanskoe gos. izd-vo, 1961. 248 p. (DNAL)

AZERBAIJAN—POULTRY—DISEASES AND PESTS

Infectious conjunctivitis of chickens in the Azerbaijan S.S.R. M. K. Ganlev, F. B. Shirinov. Trudy Azer. nauch.-issl. vet. inst. 13:37-41 '62.

AZERBAIJAN—PUBLIC PROSECUTORS

In the offices of public prosecutors of the Union Republics. Sots. zakon. 39 no. 12:44 D '62.

AZERBAIJAN—ROOT KNOT

Microelements and substances inhibiting the growth of nematodes in controlling the root knot nematode. V. S. Treškova. Zashch. rast. ot vred. 1 bol. 4 no. 5:20-27 S-O '60.

AZERBAIJAN—RUSSIAN LANGUAGE—STUDY AND TEACHING

Bogdanov, N. A. [Grammatical analysis in Russian language lessons for grades 5-8 of the Azerbaijani school] Grammaticheskiy razbor na urokakh russkogo yazyka v 5-8 klassakh Azerbaidzhanskoi shkoly. Baku, Azerbaidzh. pedgiz, 1961. 58 p. Respublikanskoe soveshchaniye po voprosam uluchsheniya prepodavaniya russkogo yazyka v nerusskikh shkolakh Azerbaidzhanskoi SSR. Baku, 1962. [Materials of the Republic Conference on Improvement of Russian Language Teaching in Non-Russian schools of the Azerbaijan S.S.R.] Materialy. Baku, Azerbaidzh. pedgiz, 1962. 280 p.

AZERBAIJAN—SHEEP—DISEASES AND PESTS

Course, clinical aspects and pathological anatomy of pasteurellosis of sheep under natural conditions. M. K. Ganlev, D. M. Dashdamirov. Trudy Azer. nauch.-issl. vet. inst. 13:30-36 '62.

Epizootology and the course of pasteurellosis (hemorrhagic septicemia) of sheep. Report No. 2. Trudy Azer. nauch.-issl. vet. inst. 13:25-29 '62.

Some changes in the picture of peripheral blood during experimental polyanthris of sheep. Report No. 7. I. A. Farzaliyev. Trudy Azer. nauch.-issl. vet. inst. 13:160-164 '62.

AZERBAIJAN—SHEEP AS CARRIERS OF DISEASE

Sheep of various age groups as carriers of pasteurellosis. Report No. 2. M. K. Ganlev, D. M. Dashdamirov. Trudy Azer. nauch.-issl. vet. inst. 13:16-24 '62.

AZERBAIJAN—SILKWORMS—FEEDING AND FEEDS

Making use of triploidy in developing high-yielding forms of mulberry trees. I. K. Abdullayev. Agrobiologiya no. 6:861-865 '62.

AZERBAIJAN—TECHNICAL EDUCATION

Meeting of the personnel of Azerbaijani schools of specialized higher and secondary education. Izv. vuz. ucheb. zav.; nef't i gaz 5 no. 4:14 '62.

AZERBAIJAN—THEILERIASIS

Intensity of immunity in theileriasis experimentally produced by the Apsheron strain. D. A. Mirzabekov, A. A. Agayev. Trudy Azer. nauch.-issl. vet. inst. 13:151-156 '62.

AZERBAIJAN—TREMATODA

Dicrocoeliasis of buffaloes and zebras in the Azerbaijan S.S.R. A. K. Mamedov. Trudy Azer. nauch.-issl. vet. inst. 13:141-143 '62.

AZERBAIJAN—TRICHOMONIASIS

Susceptibility of female buffaloes to trichomoniasis of cattle. Report No. 1. K. M. Mamedov. Trudy Azer. nauch.-issl. vet. inst. 13:102-108 '62.

Trichomoniasis of cattle in Azerbaijan [in Azerbaijani with summary in Russian]. K. M. Mamedov. Trudy Azer. nauch.-issl. vet. inst. 13:157-161 '62.

AZERBAIJAN—VETERINARY RESEARCH

Preface. Trudy Azer. nauch.-issl. vet. inst. 13:5-16 '62.

AZERBAIJAN—WORMS, INTESTINAL AND PARASITIC

Rare helminth species of domestic waterfowl. N. M. Shirinov. Trudy Azer. nauch.-issl. vet. inst. 13:120-124 '62. Seasonal dynamics of helminths and the most widely spread helminthiasis of domestic ducks in Azerbaijan. N. M. Shirinov. Trudy Azer. nauch.-issl. vet. inst. 13: 112-119 '62.

- AZERBAIJANI LANGUAGE—DICTIONARIES—ENGLISH**
[Concise Azerbaijani-English, English-Azerbaijani dictionary of phrases] Azerbaijani-English dictionary. L. I. Zhen, mira no. 4:11-15 '62.
- BAHREIN—PETROLEUM INDUSTRY**
Bahrein pearls, "black gold" and national liberation struggle. L. I. Zhen, mira no. 4:11-15 '62.
- BAHREIN—POLITICS AND GOVERNMENT**
Bahrein pearls, "black gold" and national liberation struggle. L. I. Zhen, mira no. 4:11-15 '62.
- BAIKAL, LAKE**
Preserve the wonder of nature. I. A. Grushko. NTO 4 no. 2:38-41 S '62.
- BAIKAL LAKE REGION—PHYTOGEOGRAPHY**
Botanical and geographical zoning of the northern Lake Baikal region. L. I. Malyshev. Trudy Vost.-Sib. biol. inst. SO AN SSSR no. 1:8-13 '62.
- BAILE-HERCULANE—VIEWS**
[Baile-Herculane] Baile-Herculane. Predisl. Petru Vintile. Bucharest, Izd-vo "Meridiane," 1962. 10 p. illus. (Geroda i peizazhi Rumynii)
- BAKED PRODUCTS**
Dietetic varieties of baked products. G. S. Korobkina and others. Khleb. i kond. prom. 6 no. 12:24-27 D '62.
- BAKERS AND BAKERIES**
(see also subdivision under Estonia; Riga; Turashcha District)
Advice and consultation. Khleb. i kond. prom. 6 no. 12: 42 D '62.
Anyone can do it. Sov. potrebn. 6 no. 11:60 N '62.
Organization of the technological process and work in bakeries operating with two shifts. T. S. Lur'e, I. M. Zolotovskii, V. V. Shcherbatenko. Khleb. i kond. prom. 6 no. 12:21-24 D '62.
Small capacity wafer-making shops. G. I. Bolotin, I. O. Orlov. Khleb. i kond. prom. 6 no. 12:38 D '62.
- BAKERS AND BAKERIES—EQUIPMENT AND SUPPLIES**
(see also subdivision under France)
Dough fermenting molds for making hearth bread. A. A. Zav'yalov. Khleb. i kond. prom. 6 no. 12:31-32 D '62.
New method of stirring fermenting dough. S. P. Drugobitskaya, I. A. Syatov. Khleb. i kond. prom. 6 no. 12:29-30 D '62.
- BAKERS AND BAKERIES—LAW AND LEGISLATION**
How we have supervised the observance of regulations prohibiting the production of low-grade baking goods. I. A. Zlatovskii. Sots. zakon. 39 no. 12:42-43 D '62.
- BAKHCHIBAY REGION—CLAY—ANALYSIS**
Mineral composition of Lower Cretaceous (Apt) clays of the Bakhchibay area. P. A. Meniallenko. Izv. vuz. ucheb. zav.; geol. i razv. 5 no. 10:78-82 O '62.
- BAKU—APARTMENT HOUSES—ACCOUNTING**
Our readers' letters. Fin. SSSR 23 no. 12:71-72 D '62.
- BAKU—NAVAL EDUCATION**
Kirin, I. D., and V. E. Poleshchuk. [Where officers were trained; a brief history of the K. M. Kirov Caspian Naval College] Kuznitsa ofitserskikh kadrov; kratkaya istoriya Kaspiyskogo im. S. M. Kirova vysshego voenno-morskogo uchilishcha. Baku, Azerbaidzhanское gos. izd-vo, 1961. 163 p. (NNC)
- BAKU—SPORTS**
From the experience of the physical education collective at the Baku Radio Factory. E. I. Pasukhina. Teor. i prak. fiz. kul't. 26 no. 11:43-45 N '62.
- BAKU ARCHIPELAGO—PETROLEUM GEOLOGY**
Physico-geographical conditions determining the Pliocene sedimentation in the regions of southeastern Kobaystan and the Baku Archipelago. A. K. Aliev. Azerb. nef. khoz. 41 no. 6:1-4 Je '62.
- BAKU REGION—PETROLEUM—ANALYSIS**
Study of the mixture of Baku sour petroleum for producing high-grade diesel fuels. K. G. Veliev, M. A. Mardanov, M. I. Makhmudbekova. Azerb. nef. khoz. 41 no. 6:37-39 Je '62.
- BALAKOVO—COMMUNITY CENTERS**
Working with youth and working the youthful way. Kul't. pros. rab. 23 no. 7:28-31 Ji '62.
- BALANCE OF PAYMENTS**
Balance of payment and the foreign exchange of capitalist countries. T. Belous. Den. i kred. 20 no. 11:74-83 N '62.
- BALANCE SHEETS** see Financial statements
- BALANCING OF MACHINERY**
Balancing machinery in shops. A. I. A. Tarasov. Avi. prom. 28 no. 12:38-39 D '62.
- BALASHOV—RETAIL TRADE**
Customers ask this executive committee to eliminate shortcomings in retail trade. A. Raspevin. Sov. deput. trud. no. 1:77-80, Ja '63.
- BALKAN PENINSULA—FLYSCH**
Field method of studying flysch formations. V. S. Sobolev. Trudy VNIGRI no. 190:252-258 '62.
- BALKHAN RANGE REGION—GEOLOGY, STRATIGRAPHIC**
Quaternary sediments of the Greater Balkhan Range and adjacent regions. K. V. T'yunov. Trudy Inst. geol. AN Turk. SSR 3:129-136 '60.
- BALLADS, TURKIC**
Grebnev, N. I. [Songs of bygone days; lyrics of the peoples of Central Asia] Pesni bylykh vremen; lirika narodov Srednei Azii. Tashkent, Goslitizdat UzSSR, 1961. 421 p. (MH)
- BALLAST (RAILROADS)—CLEANING**
Machine ballast cleaning. P. M. Tsigel'nyi, G. G. Samorukova. Put' i put. khoz. 6 no. 12:34-36 '62.
- BALLET** see subdivision under Leningrad
- BALLET DANCING—STUDY AND TEACHING** see subdivision under Minsk
- BALLISTIC MISSILES**
Flight following a ballistic trajectory. O. Andreev. Voen. man. 39 no. 1:24-25 Ja '63.
- BALISTOCARDIOGRAPHY**
Ballistocardiogram of a healthy person and its characteristics in athletes [with summary in English]. L. L. Orlov, V. V. Bulyshev, I. U. I. Akimov. Vop. kard. 2-go MGMI no. 2:139-154 '62.
Ballistocardiogram of patients suffering from rheumatic heart disease [with summary in English]. L. L. Orlov, I. U. I. Akimov, V. D. Fedorov. Vop. kard. 2-go MGMI no. 2:155-176 '62.
Changes in the ballistocardiogram of patients suffering from chronic coronary insufficiency [with summary in English]. L. L. Orlov. Vop. kard. 2-go MGMI no. 2:177-195 '62.
Changes in the ballistocardiogram of patients suffering from chronic pulmonary and cardiopulmonary insufficiency [with summary in English]. M. N. Malova. Vop. kard. 2-go MGMI no. 2:197-209 '62.
- BALTIC REGION—PEACE**
From Lapland to the Alps... Renate Urban. Zhen. mira no. 10:10, 34 '62.
- BALTIC SEA—WORLD WAR, 1939-1945—NAVAL OPERATIONS**
Lepeshkov, S. I., and F. K. Medvedev. [From the bottom of the sea] So dna morsk. [Riga] Latvinskoe gos. izd-vo, 1962. 106 p.
- BALTIC STATES—AUTOMOBILE RACING**
Baltic states in 1962. V. Egorov. Za rul. 21 no. 1:12 Ja '63.
- BALTIC STATES—CONSTRUCTION INDUSTRY—CONGRESSES**
In the State Committees on Construction of the Baltic Republics. Blul. stroit. tekhn. 19 no. 12:37 D '62.
- BALTIC STATES—ECONOMIC GEOGRAPHY**
Rostovtsev, M. L., and V. R. Purin. [The Union of Baltic Republics; sketch on their economic geography] Sozuznye respubliky Pribaltiki; ekonomiko-geograficheskiy ocherk; posobie dlya uchitelei. Moskva, Uchpedgiz, 1962. 217 p.
- BALYMER REGION—EXCAVATIONS (ARCHAEOLOGY)**
Gorodetsk and Bolgarian ancient site near the Balymer village, Tatar A.S.S.R. A. M. Efimova. Mat. i issled. po arkheol. SSSR no. 111:25-40 '62.
- BANACH SPACES**
Certain properties of bases of absolute convergence. B. E. Velts. Usp. mat. nauk 17 no. 6:136-142 N-D '62.
On the principle of the maximum for a class of operators in Banach space [with summary in English]. V. G. Maz'ya. Vest. LGU 18 no. 1:64-69 '63.
- BANDAGES AND BANDAGING** see subdivision under Moscow
- BANKS AND BANKING**
(see also subdivision under Brest Province; Europe, Eastern; Kiev Province; Moldavia; Novgorod Province; Omsk Province; Vologda District; United States)
"Analysis of the administrative operations of enterprises by State Bank branches." Reviewed by M. Barun. Den. i kred. 20 no. 11:88-92 N '62.
Brief information on foreign exchange and banks abroad. Den. i kred. 20 no. 11:84-87 N '62.
The communist labor movement is expanding. N. Karashev, A. Mochalova. Den. i kred. 20 no. 12:51-56 D '62.
Economic work in financing capital repairs. S. Chernikov. Den. i kred. 20 no. 11:32-40 N '62.
For a drastic improvement of the control level exercised by Construction Bank branches. G. Karavaev. Fin. SSSR 23 no. 12:14-25 D '62.
From the work practice of main State Bank branches. Z. Stollarova, G. Uglianitsa, I. Artemenko. Den. i kred. 20 no. 12:42-45 D '62.
- BADKHYZ REGION—OYSTERS, FOSSIL**
Paleogene oysters in the Badkhyz region. A. V. Dmitriyev. Trudy Inst. geol. AN Turk. SSR 3:27-74 '60.

BANKS AND BANKING (Continued)

Improve the work of main State Bank branches. A. Kozhevnikov. Den. kred. 20 no. 12:37-41 D '62.
In the Board of Directors of the State Bank of the U.S.S.R. Den. kred. 20 no. 11:93-95 N '62.
In the Board of Directors of the State Bank of the U.S.S.R. Den. kred. 20 no. 12:80-82 D '62.
Our readers' letters. Den. kred. 20 no. 11:81-86 N '62.
Several problems in applying credit and payment sanctions to enterprises and organizations. B. Levin, F. Kamegulova, M. Kucherenko. Den. kred. 20 no. 11:28-31 N '62.

BANKS AND BANKING—ACCOUNTING

Reorganization of balance sheet and industrial branch reports. N. Khlynov. Den. kred. 20 no. 12:23-31 D '62.
Tasks and prospects for the development of accounting and control in the State Bank. S. Pleshakov. Den. kred. 20 no. 11:3-12 N '62.

BANK ASSOCIATIONS

(see also subdivision under Lipetsk Province)
We should improve the work of attorneys at law. S. Maruov, P. Iablonskiy. Sov. iust. no. 24:7-8 D '62.

BARDUSSE, HENRI, 1874-1935

Henri Bardusse, soldier of peace. Aleksandr Iobakh. V mire knig 2 no. 12:31 D '62.

BARDOT, BRIGITTE

Brigitte Bardot... and the killers. Gillette Ziegler. Zhen. mira no. 5:10, 29 '62.
"I am afraid," says Brigitte Bardot. Vsem, stud. nov. 16 no. 4:22-23 Ap '62.

BARENTS SEA—TRAWLS AND TRAWLING

At sea and on land. E. Kanevskiy. Sov. potreb. koop. 6 no. 11:36-39 N '62.

BARIUM ALUMINATE

Hydration of monobarium aluminate. P. P. Rudnikov, V. G. Savell'ev. Izv. vys. ucheb. zav. khim. i tekhn. 5 no. 5:793-799 '62.

BARK

Manufacture of hardboard from spent tanning bark. M. I. Karpman. Kozh. -obuv. prom. 4 no. 12:12 D '62.
Phellon formation on the perianth superterranean axial organs of the Amur cork tree (Phellodendron amurense Rupr.) [with summary in English]. A. P. Nechaev. Bot. zhur. 47 no. 11:1030-1040 N '62.

BARK BEETLES—EXTERMINATION

(see also subdivision under Tashkent Province)
Controlling bark beetles on fruit trees. A. F. Grigorovich, Zashch. rast. ot vred. i bol. 5 no. 3:37-38 Mr '60.

BARK INSCRIPTIONS

Mathematical tables on birch bark. R. Simonov. V mire knig 3 no. 1:14 Ja '63.

BARLEY

(see also subdivision under Pamir)
Comparative effectiveness of the sodium salt and esters of 2,4-D as related to the amounts and time of spraying barley. T. V. Smirnova. Shor. stud. nauch. -issl. rab. TSKHA no. 11:67-71 '62.

BARLEY—DISEASES AND PESTS

Chemical control of the loose smut of wheat and barley. I. M. Polnikov, Zashch. rast. ot vred. i bol. 5 no. 3:15-18 Mr '60.

BARLEY—FERTILIZERS AND MANURES see subdivision under Ak-Say Valley (Kirghizistan)

BARLEY, FOSSIL see subdivision under Kyzyl Kum

BARNAUL—DIRECTORIES

[Barnaul; brief manual] Barnaul; kratkiy spravochnik. Barnaul, Altai'skoe knizhnoe izd-vo, 1959. 90 p. [PHOTOCOPY]

BARNES

Features of the calculation of heat exchange in livestock buildings. L. N. Anufriev. Izv. ASIA 4 no. 4:122-125 '62.
Simplified cattle yard. B. Urbanovich. Sel'. stroi. 15 no. 4:26 Ap '60.
Standardized building with a bearing frame. A. Titin. Sel'. stroi. 16 no. 1:21-22 Ja '62.

BAROMETER

Records should not be lost. N. Babaev. Kryl. rod. 14 no. 1:25-26 Ja '63.

BARTENEVA, PRASKOVIA ARSENTEVNA

Letters written by A. E. Varlamov to P. A. Barteneva. N. Litova. Sov. muz. 26 no. 12:64-68 D '62.

BARZAS REGION—FIRECLAY

Refractories of clays from the group of Barzas deposits in Kemerovo Province. Z. S. Diachkova, I. P. Duvalova. Trudy Vost. inst. ognep. no. 2:45-68 '60.

BASES (CHEMISTRY)

Compounds of trialkoxysilanes with organic bases. O. D. Dubrovina. Izv. vys. ucheb. zav. khim. i tekhn. 5 no. 5:756-758 '62.

BASHKIRIA—AGRICULTURAL CHEMISTRY

Naspublikatsiya konferentsii po voprosam khimizatsii sel'skogo khoziaistva BASHKIRII. [Chemicalization of agriculture in Bashkiria] Khimizatsiya sel'skogo khoziaistva Bashkiri; trudy konferentsii. Ufa, Bashkirskoe respublikanskoe pravlenie Vses. khim. ob-va im. D. I. Mendeleeva. No. 1. 1959. 117 p. (DNAL)

[MICROFILM]

BASHKIRIA—AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

Answer with deeds. M. Safin. Za rul. 20 no. 12:14 D '62.

BASHKIRIA—BRECCIA

Breccia and breccialike carbonates of Artinskian and Sakmarian stages in western Bashkiria. V. A. Frolov. Trudy VNIGRI no. 190:287-297 '62.

BASHKIRIA—CARBONATES

Breccia and breccialike carbonates of Artinskian and Sakmarian stages in western Bashkiria. V. A. Frolov. Trudy VNIGRI no. 190:287-297 '62.

BASHKIRIA—DAIRYING—COSTS

Hidden potentialities for reducing the cost of milk on the state farms of the Bashkir A. S. S. R. R. I. Shirgazin. Dokl. TSKHA no. 50:190-200 '60.

BASHKIRIA—ETHNOLOGY

Historical and ethnographical investigation of the population of the northwestern districts of Bashkiria. I. I. Vorob'ev, G. M. Khisamutdinov, G. V. Usupov. Sov. etn. no. 6:124-130 N-D '62.

BASHKIRIA—GAS, NATURAL—GEOLOGY

Some characteristics of oil and gas pools in Carboniferous and Permian sediments in western Bashkiria. V. A. Frolov, A. D. Nadezhkin. Trudy VNIGRI no. 190:85-84 '62.

BASHKIRIA—GRAIN

Costs of grain production and ways to reduce them; using the example of collective farms in the Bashkir A. S. S. R. P. M. Zulfarov. Dokl. TSKHA no. 75:91-100 '62.

BASHKIRIA—GRAIN—DRYING

We are converting grain dryers to liquid fuel. S. Karotnikov. Muk. -olev. prom. 28 no. 12:25 D '62.

BASHKIRIA—PETROLEUM GEOLOGY

Some characteristics of oil and gas pools in Carboniferous and Permian sediments in western Bashkiria. V. A. Frolov, A. D. Nadezhkin. Trudy VNIGRI no. 190:85-84 '62.

BASILIANI see subdivision under Canada

BASUTOLAND—WOMEN

Letters to the editor. Zhen. mira no. 5:5, 29 '62.

BATHROOMS

Mass production of reinforced concrete bathrooms. P. Biryukov, A. Dotsikov, V. Epshteyn. Zhil. stroi. no. 12:21-22 '62.

BATHROOMS—EQUIPMENT AND SUPPLIES

Producers of low-quality bathtubs were called to account. M. Averbukh. Sots. zakon. 40 no. 1:73-74 Ja '63.

BAUXITE see subdivision under Turgay Table Land

BAVARIA—MOTORCYCLE RACING

Six days in Bavarian Alps. B. Tramm. Za rul. 20 no. 12:12-13 D '62.

BAZHOV, PAVEL PETROVICH, 1879-1950—BIBLIOGRAPHY see Bibliography—Bazhov, Pavel Petrovich, 1879-1950

BEAMS AND GIRDERS

Manufacture of prestressed crane beams on a stand. I. V. B. Narusov. Transp. stroi. 12 no. 12:24-27 D '62.
A new method for the solution of the plane problem in the theory of elasticity for a beam with a rectangular cross section and a straight axis. L. M. Aleksandr. Izv. vys. ucheb. zav. mashinostr. no. 7:75-84 '62.
Potentials for lowering the weight of T-section reinforced concrete beams. A. N. Dobrodov. Shor. nauch. trud. NII po stroi. ASIA no. 1:73-76 '61.
Rolling beams on universal rolling mill stands. S. V. Makiyev, N. P. Skriabin, V. D. Korshchikov. Stal' 22 no. 12:1088-1092 D '62.

BEANS see subdivision under Chernigov Province

BEARING INDUSTRY

(see also subdivision under Minsk; Moscow)
Automatic lines for stamping ball-bearing rings. G. A. Brudnoi. Biol. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:32-34 '62.

BEARING INDUSTRY—HYGIENIC ASPECTS see subdivision under Moscow

BEARING METALS

Right to live. L. Poliakov. Nauka i zhytiia 12 no. 11:43-44 N '62.

BEARINGS (MACHINERY)

Automatic forge shop of cardan bearings. I. A. Sauskan. Kuz.-shtam. prozv. 4 no. 12:37-43 D '62.
Bearings from polymers. V. Bereznykov, G. Lavrent'ev. Tekhn. v sel'khoz. 22 no. 11:69-71 N '62.
Calculating the tightness and stresses in joints of thin-walled bushings of divided bearings. M. A. Salykov. Vest. mashinostr. 42 no. 12:7-12 D '62.
Operating conditions of the capron-steel bearing pair. P. A. Mikhailov, I. V. Duplenko, P. N. Malyshev. Mashinostr. no. 5:81-85 S-O '62.
Sectional laminated collar bushings for bearings. I. N. Petrev. Mashinostr. no. 5:88 S-O '62.

BEARINGS (MACHINERY)—TESTING

Deformation of spindle antifriction bearings during assembling and adjusting operations. A. M. Figatner. Stan. i instr. 33 no. 12:7-12 D '62.

Machine for testing friction bearings. M. M. Storchev. Nauk. prat. asp. UASHN no. 5:276-278 '60.

BEAVERS see subdivision under Khoper Preserve; Khoper River Basin; Khoper Valley

BEBEGUS

Infection of the bedbug (Cimex lectularis L.) by Rickettsia burneti in a Q fever focus. A. B. Daiter. Trudy Len. inst. epid. i mikrobiol. 20:89-97 '60.
Survival of Rickettsia burneti in the organism of a bedbug; experimental materials. N. I. Amosenkova, A. B. Daiter. Trudy Len. inst. epid. i mikrobiol. 20:80-85 '60.

BEE CULTURE

"Manual on practical work in beekeeping" by N. V. Bondarenko. Reviewed by L. Z. Zakharov. Vest. sel'khoz. nauki 7 no. 10:145 O '62.
Stimulative effects of antibiotics on the bee colony [with summaries in English, German, and French]. P. P. Kopanovich. Vest. sel'khoz. nauki 7 no. 10:57-59 O '62.

BEEF CATTLE

Effect of the animal's age on the carotene content of adipose tissues of large beef cattle. I. U. Lapshov. Mias. ind. SSSR 33 no. 5:53 '62.

Improve the conditions of beef cattle delivery to meat combines. B. Solov'chik, G. Tatkalo. Mias. ind. SSSR 33 no. 4:35-36 '62.

It is advisable to base the accounting for beef cattle on the weight and quality of the meat. L. Vilkas. Mias. ind. SSSR 33 no. 6:34-35 '62.

BEEF CATTLE—FEEDING AND FEEDS

(see also subdivision under Kazakhstan)
Dried biogenetic stimulants made with embryos. V. Korolev, V. Kuznetsov. Mias. ind. SSSR 33 no. 6:22-23 '62.

BEEF CATTLE—TRANSPORTATION

Accounting in beef cattle transportation. L. Goldenberg. Mias. ind. SSSR 33 no. 6:42 '62.

BEES

Vsesoiuznyi nauchno-issledovatel'skiy institut pchelovodstva. [Bees and vegetable-crop yields; reports at a joint session of learned councils] Pchelovodstvo i urozhai ovoshchei; doklady na obshchemom sessii uchenykh sovetov. Moskva, Izd-vo M-v sel'. khoz. REPER, 1960. 103 p. (DNAL)

BEES—DISEASES AND PESTS see subdivision under Azerbaijan

BEES, EFFECT OF SPRAYING AND DUSTING ON

Effect of aerosols on bees. A. A. Markosian, Zh. K. Markosian. Zashch. rast. ot vred. i bol. 5 no. 5:36 My '60.

How to prevent bee poisoning. N. I. Ostrovskiy. Zashch. rast. ot vred. i bol. 5 no. 6:33-35 Je '60.

BEETHOVEN, LUDWIG VAN, 1770-1827

Shinaver, L. S. [Life of Beethoven] Zhizn' Beekhovena. Moskva, Gos. muzykal'noe izd-vo, 1961. 212 p. illus. (MIU)

BEETS

Development of new forms of beets. V. T. Krasochkin. Trudy po prikl. bot. i gen. i sel. 31 no. 2:57-57 '57.

BEETS—HARVESTING

Methods for harvesting sugar beets. L. S. Loktev. Dokl. TSKHA no. 50:181-187 '60.

BEKLEMISHEV, VLADIMIR NIKOLAEVICH, 1890-

Sergiev, P. G., and others, eds. [Problems of general zoology and medical parasitology] Voprosy obshchei zoologii i meditsinskoi parazitologii. Moskva, Medgiz, 1962. 610 p. (DNLM)

BELBEY DISTRICT—GRAIN ELEVATORS

They reconstructed the elevator built in 1914. Kh. Shigapov. Muk.-elev.prom. 29 no.10:17-18 O '62.

BELGIUM—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Vol't, A. Ia. [In a foreign land; a documentary tale] V chuzhoi strane; dokumental'naya povest'. [Moskva] Molodala gvardiya, 1962. 526 p.

BELGOROD—POLITICS AND GOVERNMENT

Public representation councils in small residential sections. L. Sulin. Sov. deput. trud. no.1:74-76 Ja '63.

BELGOROD—TAXATION

The dignity of man and the "infallibility" of city officials. F. Mal'ts. Sov. deput. trud. no.1:80-82 Ja '63.

BELGOROD-DNESTROVSKIY—FLOUR MILLS

Storage place with sloping floors at the Belgorod-Dnestrovskiy Milling Combine. I. Bolko. Muk.-elev. prom. 28 no.10:19-20 O '62.

BELGOROD PROVINCE—AGRICULTURAL ADMINISTRATION

In the new party committee; an interview with M. I. Koshcheykh. Part zhizn' no.3:21-26 F '63.

BELGOROD PROVINCE—CONSTRUCTION INDUSTRY

In Belgorod Province. Sel'strel. 15 no.4:17 Ap '60.

BELGOROD PROVINCE—FINANCE

Important element of economic work. N. Brudkov, I. Popov. Fin. SSSR 23 no.12:61-62 D '62.

BELGOROD PROVINCE—TECHNOLOGICAL INNOVATIONS

The first results. N. Ignatenko. NTO 4 no.11:12 N '62.

BELINSKI, VISSARION GRIGOR'EVICH, 1811-1848

Bel'chikov, Iu. A. [V. G. Belinskii's vocabulary of socio-political terms] Obshchestvenno-politicheskaia leksika V. G. Belinskogo. [Moskva] Izd-vo Mosk. univ., 1962. 181 p.

Guljaev, N. A. [V. G. Belinskii and foreign aesthetes in his time] V. G. Belinskii i zarubezhnaia esthetika ego vremeni. [Kazan'] Izd-vo Kazanskogo univ., 1961. 386 p. (InU)

V. G. Belinskii, a great Russian thinker. E. I. Sankovets. Dokl. TSKhA no.75:379-385 '62.

BELLADONNA—DISEASES AND PESTS see subdivision under Caucasus

BELTS AND BELTING

Efficient method of lacing conveyor belts and straps. D. L. Naumov. Bum. i der. prom. no.4:38-41 O-D '62.

BENARIO, OLGA

"Olga Benario" [in German] by Ruth Werner. Book review. Zhen. mira no.7:28 '62.

BENDERY DISTRICT—PLANTS, PROTECTION OF

Working plan for 1960. F. T. Mamonn. Zashch. rast. ot vred. i bol. 5 no.3:7 Mr '60.

BENDING MACHINES

Machine for bending flange blanks out of a strip. A. M. Mastayrskii. Mashinostroitel' no.12:31 D '62.

BENTHOS see subdivision under White Sea

BENZENE

Alkylation and haloalkylation of benzene by haloalkyl compounds in the presence of a boron fluoride-based catalyst. Ia. M. Pashkin, Ibragim Galal. Dokl. AN SSSR 147 no.4:853-856 D '62.

Alkylation of α -chloroethylbenzene with propylene. Ia. M. Pashkin, I. G. Mirgaleev. Neftekhimika 2 no.5:784-787 S-O '62.

Direct substitution of a nitro group by halogen in aromatic and heterocyclic nitro compounds. Part 2: Preparation of m-dichlorobenzene and m-chloronitrobenzene from m-dinitrobenzene. A. A. Pomomarenko. Zhur. ob. khim. 32 no.12:4035-4038 D '62.

Effect of the exchanging ion and the degree of cross-linking of divinylbenzene on the radiation stability of ion exchange resins [with summary in English]. E. D. Kiseleva, K. V. Chmutov, V. N. Krupnova. Zhur. fiz. khim. 36 no.12:2707-2713 D '62.

Haloalkylation of some compounds of the benzene series by haloolefins in the presence of sulfuric acid. A. D. Petrov and others. Neftekhimika 2 no.5:776-783 S-O '62.

Investigating the process of thiophene chlorination. N. N. Nechiporenko and others. Koks i khim. no.12:43-45 '62.

Orientation during substitution in the aromatic series. Part 11: Isomerization of trichlorobenzenes. Iu. G. Erykalov, A. A. Spryskov, E. M. Efimova. Zhur. ob. khim. 33 no.12:4023-4028 D '62.

Preparation of meta-dichlorobenzene and 2,4-dichloronitrobenzene. Iu. G. Erykalov, A. A. Spryskov. Izv. vys. ucheb. zav. i khim. i tekhn. 5 no.5:763-785 '62.

Reaction kinetics of sodium with the single-phase systems benzene - water - butyric (or lauric) acid [with summary in English]. L. G. Gladin, T. A. Miskinova, I. N. Putlova. Zhur. fiz. khim. 38 no.12:2589-2592 D '62.

Reduction and electroreduction of organic substances on platinumized platinum. Part 2: Effect of the composition of electrolyte on the catalytic reduction of allylbenzene. A. D. Semenova, G. P. Khomchenko, G. D. Vovchenko. Vest. Mosk. un. Ser. 2: Khim. 18 [i.e. 17] no.6:51-54 N-D '62.

X-ray diffraction study of the isothermal compressibility of ether and benzene [with summary in English]. N. V. Mokhov, Ia. M. Labkovskii. Ukr. fiz. zhur. 7 no.8:816-820 Ag '62.

BENZENE—DENSITY

Study of the density of benzene near the critical point [with summary in English]. Iu. I. Shimanskii, E. T. Shimanskaya. Ukr. fiz. zhur. 7 no.8:861-868 Ag '62.

BENZENE—SPECTRA

Characteristics of the spectrum of monodeuterobenzene. V. L. Broude, S. M. Kochubel. Opt. i spekt. 13 no.6:865-867 '62.

Frequencies and intensities of plane deformation vibrations of the C-H bonds of monosubstituted benzenes. I. N. Khalimonova. Opt. i spekt. 13 no.6:791-794 '62.

BENZENE HEXACHLORIDE

Economic method for applying hexachloran against the cabbage maggot. L. N. Baloborodova. Zashch. rast. ot vred. i bol. 5 no.3:38 Mr '60.

Strip placement of hexachloran in the soil. K. G. Mikhailov. Zashch. rast. ot vred. i bol. 5 no.5:29 My '60.

BENZENE BORONIC ACID

Thiazolodihydrobenzoboradiazoles. S. G. Fridman. Zhur. ob. khim. 33 no.1:207-213 '63.

BENZENESULFONIC ACID

Solubility in the system water - sulfuric acid - p-chlorobenzenesulfonic acid. Iu. M. Kessler, N. P. Lipikhin, E. M. Kuchinskii. Zhur. ob. khim. 32 no.12:3071-3076 D '62.

Sulfamides and amino sulfones. Part 28: Synthesis of some derivatives of 2-methyl-5-nitro- and 4-methyl-3-nitrobenzenesulfonic acids. I. Kh. Feldman, V. N. Mikhailova. Zhur. ob. khim. 33 no.1:38-42 '63.

BENZENESULFONIC ACID—SPECTRA

Effect of the nature and position of the substitute on the infrared spectra of benzenesulfonates and ethyl esters of benzenesulfonic acid [with summary in English]. R. V. Vitzger, A. F. Mal'nev, I. M. Mikulina. Ukr. fiz. zhur. 7 no.3:512-514 My '62.

BENZIMIDAZOLE

Derivatives of benzimidazole. Part 12: Action of sodium amide on N-alkylbenzimidazoles substituted in the position 5. A. N. Lomakin, A. M. Simonov, V. A. Chigrina. Zhur. ob. khim. 33 no.1:204-207 '63.

Synthesis of N-alkylbenzimidazoles. A. F. Pozharskii, A. M. Simonov. Zhur. ob. khim. 33 no.1:179-182 '63.

BENZOCAINE

Anesthetics, a specific reagent for the serum (IV) cation. A. Kh. Batalin. Izv. vys. ucheb. zav. i khim. i tekhn. 5 no.5:845-846 '62.

BENZOIC ACID

Interaction in the ternary system urea - phenol - benzoic acid. I. I. Il'iasov, A. G. Palobekov, A. G. Bergman. Zhur. ob. khim. 33 no.1:19-22 '63.

BENZONITRILE

Direct substitution of a nitro group by halogen in aromatic and heterocyclic nitro compounds. Part 3: Substitution of a nitro group by chlorine in m-nitrobenzonitrile by means of carbon tetrachloride. A. A. Ponomarenko, N. A. Tsybina. Zhur. ob. khim. 32 no.12:4038-4040 D '62.

Heterochain copolymerization. Part 1: Copolymerization of epichlorohydrin with aceto- and benzonitrile [with summary in English]. A. A. Durgarian, R. M. Begimian. Vysokom. soed. 5 no.1:28-31 Ja '63.

BENZOQUINONE

Sterically hindered phenols. Report No. 13: Reaction of 2,6-di-tert-butylbenzoquinone with organomagnesium compounds. V. V. Ershov, G. N. Bogdanov, A. A. Volodkin. Izv. AN SSSR, Otd. khim. nauk no.1:157-161 '63.

BENZOTHAZEPINE

Cyanine dyes from derivatives of thiazolo-1,4-benzothiazine and thiazolo-1,5-benzothiazepine. A. I. Kiprianov, T. M. Verbovskaya. Zhur. ob. khim. 32 no.12:3946-3951 D '62.

BENZOTHAZINE

Cyanine dyes from derivatives of thiazolo-1,4-benzothiazine and thiazolo-1,5-benzothiazepine. A. I. Kiprianov, T. M. Verbovskaya. Zhur. ob. khim. 32 no.12:3946-3951 D '62.

BENZOTHAZOLE

Oscillographic polarography of 2-aminobenzothiazole and its derivatives. Part 1: Aminobenzothiazole and its derivatives lacking polarographically active groupings. V. I. Gorokhovskaya. Zhur. ob. khim. 32 no.12:3853-3859 D '62.

Oscillographic polarography of 2-aminobenzothiazole and its derivatives. Part 2: Derivatives of 2-aminobenzothiazole with polarographically active groupings. V. I. Gorokhovskaya. Zhur. ob. khim. 32 no.12:3859-3864 D '62.

Polybenzothiazolyls. A. I. Kiprianov, I. L. Muashkalo. Zhur. ob. khim. 32 no.12:4040-4047 D '62.

Reaction of polyethylene with sulfur in the presence of mercaptobenzothiazole and tetraethylthiuram disulfide [with summary in English]. B. A. Dogadkin, A. A. Denisov. Vysokom. soed. 5 no.1:39-43 Ja '63.

Synthesis in the series of 2-mercaptobenzothiazole. Part 2: Aminoalkyl derivatives of 2-mercaptobenzothiazole and dialkyl amides of 2-mercaptobenzothiazolyl-S-acetic and S-propionic acids. A. N. Gritsenko, S. V. Zhuraviev. Zhur. ob. khim. 33 no.1:188-190 '63.

Thiazolodihydrobenzoboradiazoles. S. G. Fridman. Zhur. ob. khim. 33 no.1:207-213 '63.

Vulcanizing action of di-2-benzothiazolyl disulfide (altax) in rubber compounds filled with chalk, talc, and kaolin. M. A. Vas'kovskaya, G. A. Blokh. Izv. vys. ucheb. zav. i khim. i tekhn. 5 no.5:815-820 '62.

BENZOTHIOPHENE

Condensation of 5-iodoacenaphthenequinone with 3-hydroxythionaphthene and its derivatives. A. P. Korishin, D. M. Kustol. Zhur. ob. khim. 33 no.1:203-204 '63.

BENZOXAZINE

Synthesis of derivatives of benzomorpholine. Part 1. G. S. Prodviditeleva, M. N. Shchukina. Zhur. ob. khim. 33 no.1:145-150 '63.

BENZOYL CHLORIDE

Preparation of p-(chloromercuri)benzoyl chloride. V. M. Stepanov, I. F. Matinsh. Zhur. ob. khim. 33 no.1:310-317 '63.

BENZOYLATION

Kinetics of the reaction of m-chloroaniline with benzoyl chloride in mixtures of benzene with pyridine. L. M. Litvinenko, E. S. Rudakov, A. I. Kirichenko. Kin. i kat. 3 no.5:851-860 S-O '62.

BERDYANSK—RETAIL TRADE—ACCOUNTING

Search for a better solution. I. Golovtsov. Sov. tovg. 36 no.12:49-50 D '62.

BERDYANSK SPIT—GEOLOGY

Berdiansk apt. V. L. Vilenkin. Izv. Vses. geog. ob.-va 84 no.6:489-501 N-D '62.

BEREZOVO REGION (TRANSBAIKALIA)—FROZEN GROUND

Observing cracking of soils in the region of the Berzovo deposit in Transbaikalia. N. N. Karpov. Merz. i sn. no.1:100-105 '61.

BERLIN, EAST—VIEWS

A trip to Berlin, capital of the German Democratic Republic. Zhen. mira no.2:20-22 '62.

BERLIN QUESTION (1945-)

Safeguarding peace in Berlin; an interview with Ilse Thiele, President of the Democratic Union of German Women. Zhen. mira no.9:25 '62.

BERYL see subdivision under Asia

BERYLLIUM—ANALYSIS

New analytical reagent, alboron, and its interaction with beryllium ions [with summary in English]. L. P. Adamovich, O. V. Morgul'-Meshkova, B. V. Iutshis. Zhur. anal. khim. 17 no.6:678-684 S '62.

BERYLLIUM FLUORIDE

Rhombic modification of beryllium fluoride. Iu. M. Korenev, Iu. P. Simanov, A. V. Novoselova. Dokl. AN SSSR 147 no.4:846-848 D '62.

BERYLLIUM OXIDE

Use of pulse technique in studying neutron diffusion in sintered beryllium oxide. I. P. Zhezherun. Atom. energ. 14 no.2:193-199 F '63.

BESLAN—RAILROADS—TIES, CONCRETE

In the railroad plants of steel-wire concrete ties. G. S. Alvaizian. Put' i put. khoz. 6 no.12:5-6 '62.

BESSEMER PROCESS

Oxygen-blown converter method of producing steel in foreign countries (from "Steel," no. 5, 1962). Met. i gornorud. prom. no.5:90 S-O '62.

BETA-RAY SPECTROMETER

Double iron-free β -spectrometer with a toroidal field. E. F. Tretyakov. Izv. AN SSSR, Ser. fiz. 16 no.12:1470-1474 D '62.

More accurate data on the $O^+ \rightarrow O^0$ transition in Ce^{140} [with summary in English]. V. A. Balalaev and others. Zhur. eksp. i teor. fiz. 43 no.6:2019-2020 D '62.

Spectrum of conversion electrons from Hf^{172} . V. Brabec and others. Izv. AN SSSR, Ser. fiz. 16 no.12:1460-1467 D '62.

BETA RAYS

Joint action of beta rays and of a surface-active medium on the mechanical properties of zinc single crystals. O.A. Troitskii, V.I. Likhtman. Dokl. AN SSSR 147 no. 4:874-877 D '62.

BETA RAYS-DECAY

On β -stability of heavy elements. N.N. Kolesnikov, A.P. Krylova, V.K. Kandybarov. Izv. AN SSSR. Ser. fiz. 27 no. 1:132-136 Ja '63.

BETAFITE

Varieties of pyrochlore and betafite in pegmatites. A.P. Kalita, A.V. Bykova, M.V. Kukharechik. Trudy IMGRE no. 8:201-211 '62.

BETAINE

Alimkhamedova, G.B., and K.P. Zakharov. [Importance and methods of production of glutamic acid, betaine, and their derivatives] Znachenie i metody polucheniia glutaminovoi kisloty, betaina i ikh proizvodnykh. Frunze, Izd-vo Akad. nauk Kirgizskoi SSSR, 1962. 138 p.

BEZSONOV, ANDREI IVANOVICH, 1875-1902

Andrei Ivanovich Bezsonov; an obituary. Pochvovedenie no. 9:121-123 S '62.

BIBENZYL

Kinetics of polycarbonate synthesis by the method of transesterification based on 4,4'-dihydroxydiphenyl-2,2'-propane and diphenyl carbonate [with summary in English]. I.P. Losev, O.V. Smirnova, E.V. Sinu-rava. Vysokom. soed. 5 no. 1:57-62 Ja '63.

BIBLIOGRAPHY

[Book chronicle] Knizh. let. nos. 2, 4-6 '63. Dopolnitel'-nyi vypusk no. 12 '62. Ukazatel' aeritnykh izdaniy za 1962.

Books written by journalists. Sov. pech. no. 1:40-49 Ja '63.

Brief catalog of books mentioned in the periodical "V mire knig." nos. 1-12, 1962. V mire knig 2 no. 12: 44-48 D '62.

Brief news. Sov. bibl. no. 6:94-97 '62. Index of articles and materials mentioned in "Sovetskii bibliografika" during 1962. Sov. bibl. no. 6:98-112 '62.

[Information index of bibliographical lists and card files] Inform. ukaz. bibl. spis. i kart. 7 no. 3 F '63.

Journalists write books. Sov. pech. no. 12:41-42 D '62.

New books. Komm. Mold. 7 no. 12:77 D '62.

[New books] Nov. knigi nos. 3-5 Ja '63.

New books. Part. zhizn' no. 1:76-77 Ja '63.

New books. Rul. shk. 41 no. 12:80 D '62.

[New literature on science and research abroad] Nov. lit. o nauke i nauch. issled. rab. za rub. nos. 9-10 '62.

[New Soviet literature on science and general research in the U.S.S.R.] Nov. sov. lit. o nauke i nauch. issled. rab. v SSSR no. 11 '62.

Publications of the Academy of Sciences of the Latvian S.S.R. E. Polle. Izv. AN Latv. SSR no. 4:179-182 '61.

BIBLIOGRAPHY-ADMINISTRATIVE LAW

Legal literature for the personnel of the executive committees of rural soviets. Sov. deput. trud. no. 8: 98-99 S '62.

BIBLIOGRAPHY-AERONAUTICS

New books. Grazhd. av. 19 no. 8:30 S '62.

New books. Grazhd. av. 19 no. 11:31 N '62.

BIBLIOGRAPHY-AFRICA

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran, zarub. Vest. nos. 3, 9-10 '62.

BIBLIOGRAPHY-AGRICULTURAL MACHINERY- MAINTENANCE AND REPAIR

Not just lubrication, but also affection. G. Avakimov. V mire knig 2 no. 11:19 N '62.

BIBLIOGRAPHY-AGRICULTURE

[Agricultural literature of the U.S.S.R.] Sel'khoz. lit. SSSR no. 7/8 '62.

Books sent to the editor for comment. Agrobiologiya no. 6:952 N-D '62.

From the pages of foreign biological and agricultural publications. G.N. Miroshnichenko. Agrobiologiya no. 6:951- N-D '62.

He who is not on friendly terms with books, does not go ahead. I. Siniglin. V mire knig 3 no. 1:15-16 Ja '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences] Inform. bibl. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 3-5 Ja-F '63.

New books. Voenykh sil'khoz. nauki 5 no. 12:111-112 D '62.

New books. Zemledelie 24 no. 11:3 of cover, N '62.

School of experience and abundance. V mire knig 2 no. 11:17-18 N '62.

Scientists and practical workers give advice. V mire knig 2 no. 12:18-20 D '62.

Teachers can find these publications useful. A.A. Piontkovskiy. Itad. shk. 41 no. 12:86-88 D '62.

Works of scientific institutions. Vest. sel'khoz. nauki 7 no. 5:32, 39, 87, 146, 155 My '62.

Works of scientific institutions. Vest. sel'khoz. nauki 7 no. 10:24, 108 O '62.

Works of scientific institutions. Vest. sel'khoz. nauki 7 no. 11:26, 30, 36, 104 N '62.

BIBLIOGRAPHY-AGRICULTURE-ACCOUNTING

New books on agricultural economics and accounting. Uchet i fin. v kolhoz. i sovkh. 19 no. 5:63-65 My '62.

BIBLIOGRAPHY-AGRICULTURE-ECONOMIC ASPECTS

New books on agricultural economics and accounting. Uchet i fin. v kolhoz. i sovkh. 19 no. 5:53-65 My '62.

Recommended literature for those who study the economic aspects of agriculture. Komm. Mold. 7 no. 11: 74-75 N '62.

BIBLIOGRAPHY-APARTMENT HOUSES

From the pages of foreign books and magazines. Zhil. stroit. no. 2:3 of cover '62.

BIBLIOGRAPHY-ARCHAEOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkhcol. i etn. nos. 10-11 '62.

BIBLIOGRAPHY-ARCHANGEL PROVINCE-AUTHORS Archangel. Oblastnaya biblioteka. [Writers and poets of Archangel Province; a bibliographic reference] Pisateli i poety Arkhangel'skoi oblasti; bibliograficheskiy spravochnik. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 58 p. [MICROFILM]

BIBLIOGRAPHY-ART

"The arts; a recommended bibliography" by E. Levina. Reviewed by O.S. Cutrof. Sov. bibl. no. 6:43-47 '62.

BIBLIOGRAPHY-ASIA

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran, zarub. Vest. nos. 3, 9-10 '62.

BIBLIOGRAPHY-ATHEISM

Atheistic books for students. A. Lukachevskaya. Sem'la i shkola 18 no. 1:33 Ja '63.

[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. no. 11 '62.

BIBLIOGRAPHY-ATHEISM-STUDY AND TEACHING

Belaventsova, G.N. [Is there a God? Est' li Bog? Izd. 2., dop. i perer.]. Moskva, Gos. bibl. otzeka SSSR im. V.I. Lenina, 1962. 12 p. (Desedy o nauchno-popu-larnykh knigakh)

BIBLIOGRAPHY-AUTOMATIC CONTROL

A listing of studies on magnetic elements of automatic control and computer engineering for 1961. G.V. Subbotina, I.S. Trefilov. Avtom. i telem. 24 no. 1: 119-130 Ja '63.

BIBLIOGRAPHY-AUTOMATION

From foreign periodicals, May 1962. Mekh. i avtom. prozv. 16 no. 12:60-62 D '62.

From Soviet periodicals, November 1962. Mekh. i avtom. prozv. 16 no. 12:57-59 D '62.

New books. Mekh. i avtom. prozv. 16 no. 12:56 D '62.

BIBLIOGRAPHY-AUTOMOBILE ENGINEERING

New books. Avt. prom. 20 no. 1:3 of cover Ja '63.

BIBLIOGRAPHY-AZERBAIJAN-ETHNOLOGY

Gulley, G.A. [Bibliography of the ethnography of Azerbaijan, published in Russian up to 1917] Bibliografika etnografii Azerbaidzhana (izdatnol na russkom yazyko do 1917 goda). Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR. Pt. 1. 1962. 126 p.

BIBLIOGRAPHY-BABUSHKIN, IVAN VASIL'EVICH, 1873-1906

I.V. Babushkin. Kal. znaniy i pam. dat. 8 no. 1:25-27 Ja '63.

BIBLIOGRAPHY-BAZHOV, PAVEL PETROVICH, 1879-1950

Sverdlovsk. Publichnaya biblioteka imeni V.G. Belinskogo. [Pavel Petrovich Bazhov; 1879-1950; a bibliography] Pavel Petrovich Bazhov, 1879-1950; bio-bibliograficheskiy ukazatel'. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1960. 202 p. (MIU)

BIBLIOGRAPHY-BIBLIOGRAPHY

[Bibliography of Soviet bibliography, 1960-1961] Bibl. sov. bibl. 1960-1961, publ. 1962.

BIBLIOGRAPHY-BIOLOGY

Five questions for Academician Oparin. V. Prokopenko. V mire knig 2 no. 11:8-9 N '62.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences] Inform. bibl. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 3-5 Ja-F '63.

BIBLIOGRAPHY-BOATBUILDING

Small craft building. Sudostroenie 28 no. 10:34 O '62.

BIBLIOGRAPHY-BOOKSELLERS AND BOOKSELLING

Books for bookmen. Sov. knizh. torg. 14 no. 12:42 D '62.

BIBLIOGRAPHY-BOTEV, KHRISTO, 1847-1870

Moscow. Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury. [Khristo Botev; a bibliography] Khristo Botev; bio-bibliograficheskiy ukazatel'. Moskva, 1960. 139 p. (Pisateli zarubeznykh stran) (NNC)

BIBLIOGRAPHY-BROILERS (POULTRY)

The most recent literature on raising broilers. Vest. sel'khoz. nauki [Kazakh.] 5 no. 11:98-102 O '62.

BIBLIOGRAPHY-BUILDING

Familiarize yourself with these publications. V. Khaet. Sel'. stroit. no. 12:26-29 D '62.

From the pages of magazines. Prom. stroit. no. 10:3 of cover '62.

New books. Sel'. stroit. 15 no. 4:3 of cover Ap '60.

BIBLIOGRAPHY-BULGARIA

[New literature on Bulgaria] Nov. lit. po Bolg. nos. 4, 9/10-11 '62.

Recommendatory bibliography in Bulgaria. An. Vylcheva. Sov. bibl. no. 6:75-85 '62.

BIBLIOGRAPHY-CHEMISTRY

New books. Khim. v shkole 17 no. 6:82 N-D '62.

BIBLIOGRAPHY-CHILDREN'S LITERATURE

"Bibliography of children's literature; a textbook for students of library schools." Reviewed by V.K. Davydova, A.D. Okun'. Sov. bibl. no. 6:54-57 '62.

If you really wanted to do it! D. Gol'dshteyn. Kul't. pros. rab. 23 no. 7:38-41 Ji '62.

BIBLIOGRAPHY-COMMUNISM

For the readers. Komm. Del. 38 no. 11:80 N '62.

BIBLIOGRAPHY-COMMUNIST PARTIES

For those who study the international communist movement. IU, Egorov. Polit. samosobr. 6 no. 11:120-131 N '62.

BIBLIOGRAPHY-COMMUNIST PARTY OF THE SOVIET UNION

Put the decisions of the November (1962) plenum of the Central Committee of the CPSU into practice. Kal. znaniy i pam. dat. 8 no. 1:10-15 Ja '63.

BIBLIOGRAPHY-CONSTRUCTION EQUIPMENT

From the pages of magazines. Stroit. i dor. mash. 7 no. 11:40 N '62.

New books. Stroit. i dor. mash. 7 no. 11:30 N '62.

BIBLIOGRAPHY-CONSTRUCTION INDUSTRY

From the pages of foreign books and magazines. Zhil. stroit. no. 2:3 of cover '62.

In the Central Institute of Scientific Information on Construction and Architecture. Bibl. stroit. tekhn. 19 no. 12:39-40 D '62.

New books. Izv. ASIA 4 no. 4:3 of cover '62.

New books. Stroit. i arkh. Mosk. 12 no. 1:35 Ja '63.

Plan for the publication of new books. Stroit. i arkh. 10 no. 1:40-p. 3 of cover Ja '62.

State Publishing House of Literature on Building is publishing during the fourth quarter of 1962. Zhil. stroit. no. 10:32- '62.

State Publishing House of Literature on Building prepares for 1962 publication. Zhil. stroit. no. 1:32 '62.

Technical information. Stroit. i arkh. Mosk. 12 no. 1: 35 Ja '63.

BIBLIOGRAPHY-CUBA

The Republic of Cuba. Kal. znaniy i pam. dat. 8 no. 1: 18-20 Ja '63.

BIBLIOGRAPHY-CZECHOSLOVAKIA

[New literature on Czechoslovakia] Nov. lit. po Chekh. nos. 8/9-10 '62.

BIBLIOGRAPHY-DAIRY FARMS

Winter housing of cattle. M. Blomkvist. V mire knig 2 no. 11:20 N '62.

BIBLIOGRAPHY-DIESEL LOCOMOTIVES

New books on electric and diesel traction. Elek. i tept. tuga 8 no. 11:48 N '62.

BIBLIOGRAPHY-DISCOVERIES (IN GEOGRAPHY)

Arsemt'eva, E.I. [How the globe was discovered (from the history of geographical discoveries); a bibliography of recommended literature for students in grades 8-9] Kak otkryvali zemnoi shar (iz istorii geograficheskikh otkrytiy); rekomendatsionnyi ukazatel' literatury dlia uchashchikhsia 8-9 klassov. Leningrad, Publichnaya biblioteka, 1962. 62 p.

BIBLIOGRAPHY—ECONOMICS

[New foreign economic literature] Nov. inostr. ekon. lit. nos. 9-10 '62.
[New Soviet economic literature] Nov. sov. ekon. lit. nos. 31-35 '62.

BIBLIOGRAPHY—ECONOMICS, MATHEMATICAL
New books on statistics and economics. G. Altshin. Vest. stat. no. 12:72-74 '62.

BIBLIOGRAPHY—EDUCATION

Akademika pedagogicheskikh nauk RSFSR, Moscow. [Bibliography of the publications of the Academy of Pedagogical Sciences of the R. S. F. S. R. for 1961] Bibliografiya izdaniy Akademii pedagogicheskikh nauk RSFSR za 1961 god. Moskva, 1962. 83 p.
Among the new publications of pedagogical literature. E. Lebedeva. Nar. obr. no. 1:108-118 Ja '63.
Bookshelf. Nar. obr. no. 1:107, 117-118 Ja '63.
[Literature on the pedagogical sciences and public education] Lit. po ped. naukam i nar. obr. Apr.-June 1962, no. 2 '62.

BIBLIOGRAPHY—ELECTRIC ENGINEERING

Bibliography. Elektrosilaz' 16 no. 12:77-80, p. 3 of cover D '62.

BIBLIOGRAPHY—ELECTRIC LOCOMOTIVES

New books on electric and diesel traction. Elek. i tepl. tuga 6 no. 11:48 N '62.

BIBLIOGRAPHY—ELECTRIC POWER PLANTS—WATER SUPPLY

"Water treatment and water cycles of steam-turbine electric power plants" by M. S. Shkrob and F. G. Prokhorov. Elek. sta. 33 no. 10:92-93 O '62.

BIBLIOGRAPHY—ELECTRICITY ON SHIPS

Electric equipment of ships. Sudostroenie 28 no. 10:30, 34 O '62.

BIBLIOGRAPHY—ELECTRON MICROSCOPY

"Electron microscopy of metals; apparatus, research methods, and preparation of specimens" by G. S. Orshanenko, E. S. Rudnikova, A. I. Gorshkov. Vest. AN SSSR 33 no. 1:135-136 Ja '63.

BIBLIOGRAPHY—ELECTRONIC COMPUTERS

A listing of studies on magnetic elements of automatic control and computer engineering for 1961. G. V. Subbotina, I. S. Treflov. Avtom. i telem. 24 no. 1:119-130 Ja '63.

BIBLIOGRAPHY—ELECTRONICS

Coordination of work on the publication of a retrospective bibliography in the field of radioelectronics. IU. A. Egorov. Sov. bibl. no. 6:21-23 '62.

BIBLIOGRAPHY—ETHNOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkh. i etn. nos. 10-11 '62.

BIBLIOGRAPHY—EUROPE, EASTERN—CULTURE

"Socialism and culture: the cultural revolution in the European people's democracies" by A. I. Arnoldov. Reviewed by P. F. Iudin. Vest. AN SSSR 33 no. 1: 129-131 Ja '63.

BIBLIOGRAPHY—FARM MECHANIZATION

Author's abstracts and dissertations. Vest. sel'khoz. nauki 7 no. 5:20, 35, 103, 133 My '62.

BIBLIOGRAPHY—FINANCE

New books. Fin. SSSR 23 no. 12:87-88 D '62.

BIBLIOGRAPHY—FOOD INDUSTRY

Literature and inventions related to various branches of the food industry. Khleb i kond. prom. 6 no. 12: 42-43 D '62.

BIBLIOGRAPHY—FORESTS AND FORESTRY

From the pages of foreign journals. Les. khoz. 15 no. 11:86-87 N '62.
From the pages of technical journals. Les. prom. 40 no. 10:insert O '62.
"Little library of the forest guard and master of the forest." Les. khoz. 15 no. 11:87-90 N '62.
New books. Les. khoz. 15 no. 11:74, 92 N '62.

BIBLIOGRAPHY—FOUNDATIONS

Criticism and bibliography. Osn., fund. i mekh. grun. 4 no. 6:30-31 '62.
Works on soil mechanics and foundation engineering. Osn., fund. i mekh. grun. 4 no. 6:31-32 '62.

BIBLIOGRAPHY—GEOGRAPHY, ECONOMIC

Akademika nauk SSSR, Institut nauchnoi informatsii. [Economic administrative regions of the U. S. S. R.; catalog of new literature on nature, resources and the economy] Ekonomicheskie administrativnye raiony SSSR; ukazatel' novoi literatury po prirode, resursam i khoziaistvu. Moskva, No. 2. [Regions of the central R. S. F. S. R.] Raiony tsentra RSFSR. Pod red. V. V. Pokshishevskogo. 1958. 87 p.

BIBLIOGRAPHY—GERMANY, EAST

[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. nos. 5/8-7 '62.

BIBLIOGRAPHY—GRAIN—DISEASES AND PESTS

Bibliography of Soviet literature on the shield bug Eurygaster interriceps and other grain bugs, 1955-1958. A. A. Peredel'skii. Zashch. rast. ot vred. i bol. 5 no. 7:81-83 Ji '60.

BIBLIOGRAPHY—HARDBOARD

Moscow, Tsentral'naya nauchno-tekhnicheskaya biblioteka [Bibliography of the publications of the Academy of Hardboard; bibliographical index of Soviet and foreign literature for the period from 1950 to 1959] Proizvodstvo drevesykh plit; bibliograficheskii ukazatel' otechestvennoi i inostrannoi literatury za 1950-1959 gg. Moskva, 1960. 157 p.

BIBLIOGRAPHY—HISTORY

Foreign reviews of Soviet historical studies. Vop. ist. 36 no. 1:183-184 Ja '63.
Historical articles in periodicals published in socialist countries. Vop. ist. 36 no. 1:155-166 Ja '63.
Historical articles in Soviet periodicals. Vop. ist. 36 no. 1:150-152 Ja '63.
New books. Vop. ist. 36 no. 1:148-150 Ja '63.
[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkh. i etn. nos. 10-11 '62.

BIBLIOGRAPHY—HISTORY, ANCIENT

Moscow, Gosudarstvennaya publikatsionnaya istoricheskaya biblioteka. [Annotated bibliography of ancient and medieval history] Istoriya drevnego mira. Istoriya srednikh vekov; annotirovannyi ukazatel' literatury dlia uchitel'el' vospitaniya shkol. Moskva, Izd-vo Vses. knizhnoi palaty, 1962. 135 p.

BIBLIOGRAPHY—HUNGARY

[New literature on Hungary] Nov. lit. po Veng. nos. 10-11 '62.
Recommendatory bibliography in Hungary. János Szentimihályi. Sov. bibl. no. 6:85-90 '62.

BIBLIOGRAPHY—HYDRAULIC ENGINEERING

Bibliography. Biol. tekhn. inform. inst. "Proektdidromekh." no. 1:61-62 '62.
New books of the State Power Engineering Publishing House. Gidr. stroi. 33 no. 12:41 D '62.
Papers of the B. E. Vedenev All-Union Hydraulic Engineering Research Institute. Gidr. stroi. 33 no. 12:57 D '62.

BIBLIOGRAPHY—INDUSTRIAL HYGIENE

Recommended reading. Okhr. truda i sots. strakh. 6 no. 1:43 Ja '63.

BIBLIOGRAPHY—INSTRUMENTS

New books. Priborostroenie no. 12:30-31 D '62.

BIBLIOGRAPHY—KAZAKHSTAN

To the workers of Kazakhstan. A. Bektemisov. V mire knig 2 no. 11:18 N '62.

BIBLIOGRAPHY—KURCHATOV, IGOR' VASIL'EVICH, 1903-1960

I. V. Kurchatov. Kal. znam. i pam. dat. 8 no. 1:21-24 Ja '63.

BIBLIOGRAPHY—LABOR AND LABORING CLASSES

Bibliography on the problems of labor and wages. Biol. nauch. inform. i trud i zar. plata 6 no. 4:74-76 '62.

Man is glorified by labor. G. Antonov, IU. Shegolev. V mire knig 2 no. 12:2-3 D '62.

BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

Dzhumanilazov, R. N. [Brief bibliography of the literature on linguistics; kratkii bibliograficheskii ukazatel' literatury po lingvistikam]. Tashkent, Izd-vo Akad. nauk UzSSR, 1950. 143 p. (MH)

BIBLIOGRAPHY—LATVIA

Publications of the Institutes of the Department of Social Sciences of the Academy of Sciences of the Latvian S. S. R. [in Latvian and Russian]. E. Pette. Izv. AN Latv. SSR no. 8:149-151 '62.

BIBLIOGRAPHY—LAW

Current legal literature published in the U. S. S. R., September-November, 1962. Sov. gos. i pravo 33 no. 2:154-160 F '63.

BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924

V. I. Lenin's last articles and letters. Kal. znam. i pam. dat. 8 no. 1:4-9 Ja '63.

BIBLIOGRAPHY—LENINGRAD—SIEGE, 1941-1944

Running the blockade of Leningrad. Kal. znam. i pam. dat. 8 no. 1:32-35 Ja '63.

BIBLIOGRAPHY—LIBRARY SCIENCE

New books. Bibliotekar' no. 1:63-64 Ja '63.

BIBLIOGRAPHY—LIGHTING

Optics and lighting engineering. Tekhn. kino i telev. 7 no. 1:84-85 Ja '63.

BIBLIOGRAPHY—LITERATURE

Gorbunov, A. M., and M. I. Davydova. [Classics of foreign literature; a bibliography of recommended works] Klassiki zarubezhnoi literatury; rekomendatsionnyi ukazatel'. Moskva, Iskusstvo, 1961. 84 p. (V pomoshch' slushatellam universitetov kul'tury. Rekomendatsionnyi ukazatel', no. 5) (CLU)

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit. Isk. 6 nos. 3-6 Ja-F '63.

BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

[New foreign literature on the study of literature] Nov. inostr. lit. po lit. nos. 10-11 '62.
[New Soviet literature on the study of literature] Nov. sov. lit. po lit. nos. 10-11 '62.

BIBLIOGRAPHY—LITERATURE—TRANSLATIONS INTO RUSSIAN

[Foreign literature, 1961] Zarubezhnaya literatura, 1961. [By] A. M. Gorbunov, M. I. Davydova, Z. P. Shalashova. Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1962. 188 p. (Novinki khudozhestvennoi literatury)

BIBLIOGRAPHY—LITHUANIA

Lietuvos TSR knygu rimal. [Books of the Lithuanian S. S. R.; comprehensive national bibliography, 1940-1955] Lietuvos TSR spauda; valstybine muzeitine bibliografiya, 1940-1955. Vilnius, Valstybine politines ir mokslines literaturos leidykla [in Lithuanian and Russian] Vol. 1. Book 1. 1962. 816 p.

BIBLIOGRAPHY—LOADING AND UNLOADING

New books. Gidr. khoz. Mosk. 36 no. 1:51 Ja '62.

BIBLIOGRAPHY—LOCUSTS—EXTERMINATION

"Russian bibliography on locusts" by G. I. Burdakov. Reviewed by A. E. Rubin. Zashch. rast. ot vred. i bol. 4 no. 5:60-61 S-O '60.

BIBLIOGRAPHY—LUMBERING

From the pages of technical journals. Les. prom. 40 no. 11:insert N '62.

From the pages of technical journals. Les. prom. 40 no. 12:insert D '62.

New books. Les. prom. 40 no. 10:23 O '62.

BIBLIOGRAPHY—LYOV PROVINCE

[Socialist Lyov Province in 1957; a bibliographical index (no. 6)] Sotsialistichna Lyuvshchina 1957 r.; bibliografinyi pokazhchik (vypusk 6). Lyviv, Lyuvskaya biblioteka Akad. nauk URSS, 1960. 330 p.

BIBLIOGRAPHY—MACHINE ACCOUNTING

New books on statistics and economics. G. Altshin. Vest. stat. no. 12:72-74 '62.

BIBLIOGRAPHY—MACHINE TOOLS

Books, dissertations, periodicals. Stan. i matr. 33 no. 12:40-42 D '62.

BIBLIOGRAPHY—MAGNETIC MATERIALS

A listing of studies on magnetic elements of automatic control and computer engineering for 1961. G. V. Subbotina, I. S. Treflov. Avtom. i telem. 24 no. 1: 110-130 Ja '63.

BIBLIOGRAPHY—MANUAL TRAINING

Instruction in manual training in the secondary schools of Russia before 1917. V. A. Khristalova. Nov. pedagog. 26 no. 8:134-141 Ag '62.

BIBLIOGRAPHY—MARINE ENGINEERING

Design and operation of machine engines and boilers. Sudostroenie 28 no. 10:25 O '62.
Ship systems and devices. Sudostroenie 28 no. 10:15 O '62.
Technology of shipbuilding and marine engineering. Sudostroenie 28 no. 10:35 O '62.

BIBLIOGRAPHY—MATHEMATICS

New books. R. A. Dolinskaya. Inzh.-fiz. zhur. 6 no. 1: 131-137 Ja '63.
New books on mathematics. Usp. mat. nauk 17 no. 3: 247-248 N-D '62.

BIBLIOGRAPHY—MECHANICAL ENGINEERING

New books. Priborostroenie no. 12:30-31 D '62.
New books. Vest. mashinostr. 42 no. 12:82-85 D '62.
Review of foreign periodicals. Vest. mashinostr. 42 no. 12:85-90 D '62.

BIBLIOGRAPHY—MEDICINE

[Bibliography of internal diseases] Inform. biul. Vnutr. bol. nos. 1-2 '61.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 3-5 Ja-F '63.

BIBLIOGRAPHY — MEDICINE (Continued)

Moscow, Gosudarstvennaya nauchnaya meditsinskaya biblioteka. [Scientific medical literature of the U.S.S.R.; index of books and articles for the first half of 1959] Nauchnaya meditsinskaya literatura SSSR; ukazatel' knig i statei za pervoe polugodie 1959 g. Sost. Bibliograficheskii otdelom GTsNMD. Pod red. E. V. List i E. N. Protasovoi. Moskva, Medgiz, 1962. 833 p. New books. Zdrav. Kazakh. 22 no. 7:4 of cover '62. State Publishing House for Medical Literature is preparing these books for 1963 publication. Vest. AMN SSSR 17 no. 11:2, 4 of cover '62.

BIBLIOGRAPHY—METALS

Alphabetical index. Metalloved. i term. obr. met. no. 12: 61 D '62.

BIBLIOGRAPHY—MIDDLE AGES

Moscow, Gosudarstvennaya publichnaya istoricheskaya biblioteka. [Annotated bibliography of ancient and medieval history] Istoriya drevnego mira. Istoriya srednikh vekov; annotirovannyy ukazatel' literatury dlya uchitel' vospitaniya shkol. Moskva, Izd-vo Vses. knizhnoi palaty, 1962. 135 p.

BIBLIOGRAPHY—MILITARY ART AND SCIENCE

Heroes of our time. S. Ural'skiy. V mire knig 2 no. 11:5 N '62. Military books in 1963. A. Aristov. Komm. Vooruzh. Sil 3 no. 1:89-92 Ja '63.

BIBLIOGRAPHY—MINING ENGINEERING

Books and articles on mining. Gor. zhur. no. 5:3 of cover My '62. Books on mining. Gor. zhur. no. 1:3 of cover Ja '63. Foreign periodical literature. Gor. zhur. no. 1:3 of cover Ja '63.

BIBLIOGRAPHY—MINING GEOLOGY

Books and articles on mining. Gor. zhur. no. 5:3 of cover My '62.

BIBLIOGRAPHY—MOTION-PICTURE PHOTOGRAPHY

Filming and projection of motion pictures. Tekh. kino i telev. 7 no. 1:78-80 Ja '63.

BIBLIOGRAPHY—MOTION-PICTURE PHOTOGRAPHY—FILMS

Motion-picture film and its photographic processing. Tekh. kino i telev. 7 no. 1:85-88 Ja '63.

BIBLIOGRAPHY—MOTION-PICTURE PROJECTION

Filming and projection of motion pictures. Tekh. kino i telev. 7 no. 1:78-80 Ja '63.

BIBLIOGRAPHY—MOTION PICTURES

Books on motion-picture technology to be published in 1963. N. D. Panfilov. Tekh. kino i telev. 7 no. 1: 87 Ja '63.

Rubinshteyn, U., comp. [Books on motion pictures, 1917-1960; an annotated bibliography] Knigi o kino, 1917-1960; annotirovannaya bibliografiya. Moskva, Izd-vo vostochnoi lit-ry, 1962. 180 p.

BIBLIOGRAPHY—MOTOR VEHICLES

Editions of the All-Union Volunteer Society for Assistance to the Army, Air Force and Navy in 1963. G. Goncharenko. Za rul. 21 no. 1:32 Ja '63.

BIBLIOGRAPHY—MUSIC

The State Publishing House for Musical Literature announces the following editions for publication. Sov. muz. 26 no. 12:158-160 D '62.

BIBLIOGRAPHY—NAMES, GEOGRAPHICAL

Rostov-on-Don, Gosudarstvennaya nauchnaya biblioteka imeni K. Marksa. [A bibliographical index of our countrymen's names on the map of the world] Imena nashikh zemliakov na karte mira; bibliograficheskii ukazatel'. Rostov-na-Donu, 1960. 47 p. (Nashi znatnye zemliaki)

BIBLIOGRAPHY—NAPOLEON I—INVASION OF RUSSIA, 1812

First bibliography of the literature on the Patriotic War of 1812. E. T. Volkov. Sov. bibl. no. 6:24-20 '62.

BIBLIOGRAPHY—NAVAL ARCHITECTURE

Design and operation of vessels. Sudostroenie 20 no. 10:12, 35 O '62.

BIBLIOGRAPHY—NAVIES

Naval news items from the foreign press. Mor. shor. 46 no. 1:84-87 Ja '63.

BIBLIOGRAPHY—NONFERROUS METALS

New technical publications. TSvet. met. 35 no. 9:94-96, 3 of cover S '62.

BIBLIOGRAPHY—NUCLEAR ENGINEERING

New literature. Atom. energ. 14 no. 2:236-242 F '63.

BIBLIOGRAPHY—NUCLEAR PHYSICS

New literature. Atom. energ. 14 no. 2:236-242 F '63.

BIBLIOGRAPHY—OPTICS

Optics and lighting engineering. Tekh. kino i telev. 7 no. 1:84-85 Ja '63.

BIBLIOGRAPHY—ORE DRESSING

Books on mining. Gor. zhur. no. 1:3 of cover Ja '63. To the attention of the readers of the magazine! Gor. zhur. no. 5:4 of cover My '62.

BIBLIOGRAPHY—OREL PROVINCE

Orel, Oblastnaya biblioteka. [The Orel region in the works of its native writers; a bibliography] Orlovskii krai v tvorchestvo pisatelei-zemliakov; bibliograficheskii ukazatel' literatury. [Orel] Orlovskoe knizhnoe izd-vo, 1961. 81 p. (MII)

BIBLIOGRAPHY—OXYGEN—INDUSTRIAL APPLICATIONS

"Use of oxygen in the converter process; a bibliography" by R. V. Pshokhotskaya. Reviewed by M. M. Dzhur. Sov. bibl. no. 6:57-58 '62.

BIBLIOGRAPHY—PAINT MATERIALS

Literature on paint materials and their application. Lakokras. mat. i ikh prim. no. 6:86-93 '62.

BIBLIOGRAPHY—PAPER INDUSTRY

Useful books and articles for papermakers. Bum. prom. 37 no. 12:4 of insert D '62.

BIBLIOGRAPHY—PEAT

Literature on peat. Torf. prom. 39 no. 8:38 '62.

BIBLIOGRAPHY—PHILOSOPHY

[New foreign literature on philosophy] Nov. inostr. lit. po filos. nos. 3, 9-10 '62. [New Soviet literature on philosophy] Nov. sov. lit. po filos. nos. 10-11 '62.

BIBLIOGRAPHY—PHYSICAL EDUCATION AND TRAINING

Better knowledge of physical education and sports. Toon i pruk. fiz. kul't. 25 no. 11:40 N '62.

BIBLIOGRAPHY—PHYSICAL GEOGRAPHY

Kollon, M. I. [Physicogeographical regionalization of the Soviet Union; index to literature published in 1917-1960] Prirodnoe (fiziko-geograficheskoe) raionirovaniye territorii Sovetskogo Soyuza; ukazatel' literatury, izdannoi v 1917-1960 gg. Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1962. 370 p.

BIBLIOGRAPHY—PHYSICS

Bibliography of the published works of Academicians I. V. Kurchatov. I. S. Zhuravskaya. Atom. energ. 14 no. 1:128-131 Ja '63.

New books. R. A. Dolinskaya. Inzh. -fiz. zhur. 6 no. 1: 131-137 Ja '63.

New books on physics. T. O. Yreden-Kobetskaya. Usp. fiz. nauk 70 no. 1:167-171 Ja '63.

"Physics course (Mechanics)" by M. M. Arkhangelskiy. Reviewed by V. D. Kuchin. R. A. Volkov. Izv. vys. ucheb. zav. i fiz. no. 6:179 '62.

BIBLIOGRAPHY—PLANTS, PROTECTION OF

Bookshelf. Zashch. rast. ot vred. i bol. 4 no. 5:61-62 S-O '60.

Bookshelf. Zashch. rast. ot vred. i bol. 5 no. 3:58-59 Mr '60.

Bookshelf. Zashch. rast. ot vred. i bol. 5 no. 5:56 My '60.

Bookshelf. Zashch. rast. ot vred. i bol. 5 no. 6:62-63 Jo '60.

Bookshelf. Zashch. rast. ot vred. i bol. 5 no. 7:31 Ji '60.

Bookshelf. Zashch. rast. ot vred. i bol. 5 no. 10:60-61 O '60.

Bookshelf. Zashch. rast. ot vred. i bol. 5 no. 11:59 N '60.

Candidate dissertations defended in 1956-1957. Zashch. rast. ot vred. i bol. 2 no. 6:84 N-D '57.

From the pages of journals. D. P. Dovnar-Zapol'skiy, R. A. Safra. Zashch. rast. ot vred. i bol. 5 no. 10: 57-60 O '60.

From the pages of journals. Zashch. rast. ot vred. i bol. 5 no. 3:59 Mr '60.

From the pages of journals. Zashch. rast. ot vred. i bol. 5 no. 5:55-56 My '60.

BIBLIOGRAPHY—POLAND

[New literature on Poland] Nov. lit. po Pol'. nos. 10-11 '62.

BIBLIOGRAPHY—POLYMERS

"Journal of polymer science," no. 167, 1962. Vysshom. soed. 5 no. 1:153-158 Ja '63.

New literature on polymer materials. Plast. massy no. 12:71-74 '62.

New literature on polymeric materials. Plast. massy no. 11:77-80 '62.

BIBLIOGRAPHY—POPOV, ALEKSANDR SERAFIMOVICH, 1863-1949

A. S. Serafimovich. Kal. znam. i pam. dat. 6 no. 1:38-39 Ja '63.

BIBLIOGRAPHY—PRODUCTION STANDARDS

For you, activist! Sov. profsoyuzy 10 no. 1:16-19 Ja '63.

BIBLIOGRAPHY—PUBLIC HEALTH

Literature from the World Health Organization being prepared for publication. Apt. delo 12 no. 3:3 of cover My-Je '62.

BIBLIOGRAPHY—RADIO

Coordination of work on the publication of a retrospective bibliography in the field of radioelectronics. IU. A. Egorov. Sov. bibl. no. 6:21-23 '62.

BIBLIOGRAPHY—RAILROADS

[Railroad literature of the U.S.S.R.; published in 1959] Zhelezodorozhnaya literatura SSSR, 1959. Moskva, Transzheldorizdat, 1962. 386 p.

Transzheldorizdat, vnesoluznoe izdatel'sko-polligraficheskoe ob'edinenie. [Catalog of literature on railway transportation available for purchase] Katalog literatury po zhelezodorozhnomu transportu, imeyushchiesia v nalichii. Moskva, Transzheldorizdat, 1959. 33 l. [PHOTOCOPY]

BIBLIOGRAPHY—REFRACTORY MATERIALS

Bibliography. Ogneupory 27 no. 12:560-3 of cover '62.

BIBLIOGRAPHY—RELIGION

Atheistic literature. A. Cherkov. V mire knig 2 no. 12: 5-6 D '62.

[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. no. 11 '62.

BIBLIOGRAPHY—ROAD MACHINERY

New books. Stroitel. dor. mash. 7 no. 11:30 N '62.

BIBLIOGRAPHY—ROMANIA

[New literature on Romania] Nov. lit. po Rum. nos. 10-11 '62.

BIBLIOGRAPHY—RUSSIA

In one family. V. Nenashov. V mire knig 2 no. 11: 2-3 N '62.

BIBLIOGRAPHY—RUSSIA—HISTORY

"Bibliography of Russian chronicles" by R. P. Dmitriyeva. Reviewed by N. A. Dvoretzskaya. Sov. bibl. no. 6:61-62 '62.

New books. Ist. arkh. 8 no. 5:205-207 S-O '62.

BIBLIOGRAPHY—RUSSIAN LANGUAGE

New literature for Russian language teachers. Rus. tez. v shkole 23 no. 6:102-108 N-D '62.

BIBLIOGRAPHY—RUSSIAN LITERATURE

Brief notes on books. V mire knig 3 no. 1:30-31 Ja '63.

Fiery revolutionaries. Aleksandr Tsvetkov. V mire knig 2 no. 11:34 N '62.

BIBLIOGRAPHY—RUSSIAN NEWSPAPERS

Gazety i zhurnaly SSSR na 1962 god. Newspapers and magazines of the USSR for 1962. Moscow, Mezhdunarodnaya Kniga [n.d.] 270 p.

BIBLIOGRAPHY—RUSSIAN PERIODICALS

Gazety i zhurnaly SSSR na 1962 god. Newspapers and magazines of the USSR for 1962. Moscow, Mezhdunarodnaya Kniga [n.d.] 270 p.

BIBLIOGRAPHY—SALTYKOV, MIKHAIL EVGRAFOVICH, 1826-1899

"Bibliography of literature about M. E. Saltykov-Shchedrin" by L. M. Dobrovolskiy, R. N. Krendel'. Sob. bibl. no. 6:51-54 '62.

BIBLIOGRAPHY—SANITARY ENGINEERING

Articles from foreign magazines. Vod. i san. tekhn. no. 12:85 D '62.

BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. bluz. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: Fiz., -mat., -khim. i geol. -geog. nauki; tekhn. i tekhn. nauki 8 nos. 3, 5-6 Ja-F '63.

Most important. V mire knig 2 no. 12:8-9 D '62.

New books. Vest. AN SSSR 33 no. 1:137-142 Ja '63.

New developments in science and technology. V mire knig 3 no. 1:13 Ja '63.

BIBLIOGRAPHY—SHEVCHENKO, TARAS, 1814-1861

Akademiya nauk URSS, Kiev, Biblioteka, Taras Kryhorovych Shevchenko; a bibliography of bibliographies, 1840-1960 Taras Kryhorovych Shevchenko; bibliografiy, bibliografiy, 1840-1960. Kyiv, Vyd-vo Akad. nauk URSS, 1961. 73 p.

BIBLIOGRAPHY—SHIP HANDLING

Design and operation of vessels. Sudostroenie 20 no. 10:12, 35 O '62.

BIBLIOGRAPHY—SHIPBUILDING

From pages of books. Sudostroenie 28 no. 10:54, 58, 73 O '62.

Shipbuilding in foreign countries. Sudostroenie 28 no. 10:57 O '62.

Technology of shipbuilding and marine engineering. Sudostroenie 28 no. 10:35 O '62.

BIBLIOGRAPHY—SINGING—INSTRUCTION AND STUDY
Recommended literature for vocal music teachers.
V. Dyshynovich. Nar. osv. no. 11:86 N '62.

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v. Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., tek. 6 nos. 3-6 Ja-F '63.

BIBLIOGRAPHY—SOIL MECHANICS

Works on soil mechanics and foundation engineering.
Osn., fund. i mekh. grun. 4 no. 6:31-32 '62.

BIBLIOGRAPHY—SOILS

Bibliography. Pochvovedenie no. 3:117-126 Ag '62.
Bibliography. Pochvovedenie no. 9:127-136 S '62.
Bibliography. Pochvovedenie no. 11:115-120 N '62.

BIBLIOGRAPHY—SOUND—RECORDING AND REPRODUCING

Sound recording and reproducing. Tekh. kino i telev. 7 no. 1:82-83 Ja '63.

BIBLIOGRAPHY—SPACE FLIGHT

Earth-Moon. V mire knig 3 no. 1:11 Ja '63.

BIBLIOGRAPHY—STANISLAVSKI, KONSTANTIN SERGEEVICH, 1863-1938

Books about K. S. Stanislavskii. V mire knig 2 no. 12:35 D '62.
K. S. Stanislavskii. Kol. znam. i pam. dat. 8 no. 1:28-31 Ja '63.

BIBLIOGRAPHY—STATISTICS

New books on statistics and economics. G. Alluin. Vest. stat. no. 12:72-74 '62.

BIBLIOGRAPHY—STEAM TURBINES

"Water treatment and water cycles of steam-turbine electric power plants" by M. S. Shkrob and F. G. Prokhorov. Elektr. sta. 33 no. 10:92-93 O '62.

BIBLIOGRAPHY—SURGERY

[Bibliography of surgery] Inform. bibl. Khir. no. 1 '61.

BIBLIOGRAPHY—TECHNOLOGICAL INNOVATIONS

From foreign periodicals. May 1962. Mekh. i avtom. proizv. 16 no. 12:60-62 D '62.
From Soviet periodicals. November 1962. Mekh. i avtom. proizv. 16 no. 12:57-59 D '62.

BIBLIOGRAPHY—TECHNOLOGY

Encyclopedias of skill. A. Antropov. V mire knig 2 no. 11:15-16 N '62.
[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. biul. nov. inostr. knig, postup. v. Bibl. im. V. I. Len. Ser. 1: Fiz.-mat., khim., i geol.-geog. nauki; tekhn. i tekhn. nauki 8 nos. 3-6 Ja-F '63.
New books. Vest. AN SSSR 33 no. 1:137-142 Ja '63.
[New foreign books. Series B: Technology] Nov. knigi za rub. Ser. B: Tekh. 7 no. 2 F '63.
Technological progress. G. Shishko. Bibliotekar' no. 1:8-9 Ja '63.
Technological progress and the dissemination of technical knowledge. A. I. Mikhailov. Komm. Mold. 7 no. 11:39-40 N '62.

BIBLIOGRAPHY—TELECOMMUNICATION

Bibliography. Elektrosвяз' 16 no. 12:77-80, p. 3 of cover D '62.

BIBLIOGRAPHY—TELEVISION

Books on television technology to be published in 1963. Tekh. kino i telev. 7 no. 1:88-89 Ja '63.
Television. Tekh. kino i telev. 7 no. 1:81-81 Ja '63.

BIBLIOGRAPHY—TEXTILE FIBERS, SYNTHETIC

New books. Khim. volok. no. 6:72 '62.

BIBLIOGRAPHY—TREMATODA

"Trematodes in animals and man: fundamentals of trematodology" by K. I. Skriabin. Reviewed by I. E. Bykhovskaya, E. E. Bykhovskii. Vest. AN SSSR 33 no. 1:131-134 Ja '63.

BIBLIOGRAPHY—UNITED NATIONS

"General catalogue of UNESCO publications and UNESCO sponsored publications, 1948-1958." Reviewed by K. V. Lintova, B. M. Korotkina. Sov. bibl. no. 6:80-84 '62.

BIBLIOGRAPHY—UZBEKISTAN

Bibliographical work of the A. Navoi State Public Library for the aid of scholars of the Republic. A. I. Alashnikova, S. I. Koltzer. Obshchestv. nauki v Uz. 6 no. 11:75-76 '62.

Brief reports on new books. Obshchestv. nauki v Uz. 6 no. 11:77-79 '62.

BIBLIOGRAPHY—VEGETABLES—STORAGE

New books. Gor. khoz. Mosk. 38 no. 1:51 Ja '62.

BIBLIOGRAPHY—VOCATIONAL GUIDANCE

Literature on vocational guidance. Vop. psikh. 6 no. 4:161-162 Sl-Ag '62.

BIBLIOGRAPHY—WATER SUPPLY

Articles from foreign magazines. Ved. i san. tekhn. no. 12:35 D '62.

New books. Gor. khoz. Mosk. 38 no. 1:51 Ja '62.

BIBLIOGRAPHY—WELDING

Foreign publications on welding. Svar. proizv. 7:47-48 J1 '62.

New books for welders. Mashinostroitel' no. 12:43 D '62.

Soviet inventions on welding. Svar. proizv. no. 7:45-46 J1 '62.

Soviet publications on welding. Svar. proizv. no. 7:45, 46-47 '62.

BIBLIOGRAPHY—WHITE RUSSIA

"New books of White Russia." A. P. Demchenkova, G. F. Grishina. Sov. bibl. no. 6:7-11 '62.

BIBLIOGRAPHY—WOODWORKING INDUSTRIES

From pages of technical and economic bulletins of economic councils. Der. prom. 11 no. 12:2-4 of insert D '62.

New books. Der. prom. 11 no. 12:23 D '62.

BIBLIOGRAPHY—YUGOSLAVIA

[New literature on Yugoslavia] Nov. lit. po IUG. no. 11 '62.

BIBLIOGRAPHY (THEORY, METHODS, ETC.)

(see also subdivision under Moldavia; Ukraine)
"Tasks and principles of bibliography" by V. T. Tytiazhkov. Reviewed by I. I. Reshetinskii. Sov. bibl. no. 6:36-40 '62.

BIBLIOGRAPHY, NATIONAL—MOLDAVIAN

Let us improve the registration of published books and the compilation of bibliographical indexes. G. Kozanek. Komm. Mold. 7 no. 11:72-74 N '62.

BICYCLES AND TRICYCLES see subdivision under Kharkov

BICYCLOHEXANE—SPECTRA

Synthesis of hydrocarbons. Part 70: Synthesis of stereoisomeric 1,3-dimethyl-5-alkylbicyclo (0, 1, 3) hexanes and their Raman spectra. R. I. A. Levina and others. Zhur. ob. khim. 32 no. 12:3035-3041 D '62.

BILE ACIDS

Synthesis of some derivatives of bile acids. Report No. 3: Hydrazides, hydrazones and isocotiflythydenones of 3 α -oxy-12-ketocholenic and $\Delta^9(11)$ -3 α -oxy-12-ketocholenic acids [with summary in English]. L. N. Volovelskii. Trudy Ukr. nauch.-issl. inst. eksp. endok. 13:361-365 '61.

BILIRUBIN

Effect of ascorbic acid and carotene on bilirubinemia in cattle thallorosis. M. A. Alizade. Trudy Azer. nauch.-issl. vet. inst. 13:229-233 '62.

BILITRAST

Rapid and accurate methods for the quantitative determination of bilitrast [with summary in English]. Apt. delo 12 no. 3:34-37 My-Je '62.

BINARY STARS see Stars, Double

BINDING MATERIALS

Gypsum-cement binding materials based on local cement. A. A. Morova, I. U. A. Spesivtsev, V. S. Raskopin. Stroi. mat. 8 no. 12:25-28 D '62.

Local binding materials based on ash from the Syzran' Thermal Electric Plant and unstaked lime. N. V. Ivakhno. Sbor. trud. ROSNIMS no. 19:24-35 '61.

The problem of the resistance to air of lime-ash binding materials. I. U. M. Bult, B. G. Varshal, A. A. Maier. Sbor. trud. ROSNIMS no. 20:3-17 '61.

Using local binding materials in the manufacture of keramzit-concrete products. B. S. Zaidenberg, P. M. Zil'berfarb, N. V. Ivakhno. Sbor. trud. ROSNIMS no. 20:98-107 '61.

BINDONE

Acylation of bindone. R. A. Zhagat, G. I. A. Vanag. Zhur. ob. khim. 32 no. 12:3925-3930 D '62.

Application of bindone as an analytical reagent in the titration of potassium salts. R. Zagata. Izv. AN Latv. SSR no. 4:171 '61.

BIOCHEMISTRY

(see also subdivision under White Russia)

Negative surface tension as a factor in the stabilization of biological structures. O. M. Poltorak. Zhur. fiz. khim. 36 no. 12:2777-2780 D '62.

BIOLOGICAL RESEARCH

For further development of Michurin's trend in biology. Vest. sel'khoz. nauki 7 no. 10:3-5 O '62.

Session of the general assembly of the Department of Biological Sciences of the Academy of Sciences of the U.S.S.R. V. G. Kocherezhkin. Izv. AN SSSR, Ser. biol. no. 6:948-950 N-D '62.

BIOLOGY—ABSTRACTS

[Biology] Ref. zhur. i Biol. no. 1 Ja '63.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—CLASSIFICATION

Theoretical and practical application of biological taxonomy. G. I. A. Bel-Bienko. Vest. AN SSSR 33 no. 1:38-41 Ja '63.

BIOLOGY—CONGRESSES

Colloquium on the problem of information in biology. V. S. Shapot. Vest. AN SSSR 33 no. 1:56-57 Ja '63.

BIOLOGY—PHILOSOPHY

"Dialectical materialism and problems of genetics" by G. V. Platonov and "Social and gnoseological roots of Weismannism-Morganism" by A. I. Kuroedov, I. V. Driagina. Reviewed by N. V. Lebedev. Vest. sel'khoz. nauki 7 no. 11:147-149 N '62.

The reality of species as related to the dialectical correlation of their general and specific characteristics. E. U. Volkova. Vest. AN BSSR, Ser. biol. nauk. no. 4:71-82 '62.

BIOLOGY—STUDY AND TEACHING

History of work and technical training in the schools of Western Siberia in the postwar years; 1945-1952. Report No. 2. Elements of work and technical training in the teaching of biology in the first postwar years; 1946-1952. M. G. Khitarov. Dokl. APN no. 2:57-60 '62.

BIOMETRY

E. S. Smirnov's method of taxonomic analysis and some possibilities for its application in botany. V. M. Shmidt. Bot. zhur. 47 no. 11:1640-1654 N '62.

BIOSCOPE see Motion-picture projection

BIPHENYL

Synthesis of o-alkyl and o-aryl biphenyls. A. D. Peltov and others. Izv. AN SSSR, Old. khim. nauk no. 1:131-166 '63.

BIRCH

Grafting birch outdoors. A. V. Koz'min. Vest. sel'khoz. nauki 7 no. 10:92-94 O '62.

Studying the form of birch trunks. H. A. Porytovskiy. Nauk. pratsi zap. UASIN no. 5:134-140 '60.

BIRDS see subdivision under Moldavia

BIRDS—ANATOMY

Functional analysis of the morphology of the muscles of the pelvic limb in some birds. V. P. Usenko. Pratsi Inst. zool. AN URSS 10:77-86 '62.

BIRDS—EMBRYOLOGY see Embryology—Birds

BIS—OBA—BURIAL

Two notes on Scythian-Sarmatian archaeology. B. N. Grakov. Krat. soob. Inst. arkheol. no. 60:38-41 '62.

BISMUTH

Chromatographic variant for the fractional detection, isolation and determination of bismuth in the forensic chemical analysis of cadaveric material [with summary in English]. L. M. Vlasenko. Apt. delo 12 no. 3:41-47 My-Je '62.

BISMUTH—ISOTOPES

Chemical changes taking place during β -decay of Bi^{210} and their utilization for the synthesis of p-toyl derivatives of polonium. V. D. Nefedov and others. Zhur. ob. khim. 33 no. 1:15-18 '63.

BISMUTH CRYSTALS

Cyclotron resonance and quantum oscillations of the surface resistance of bismuth [with summary in English]. M. S. Khaikin, R. T. Mina, V. S. Edel'man. Zhur. eksp. i teor. fiz. 43 no. 6:2093-2073 D '62.

BISON, EUROPEAN see subdivision under Byalovezhskia Pushcha

BITHIOPHENE

Some nitrogen compounds of 2,2'-dithienyl. Part 1. A. E. Lipkin. Zhur. ob. khim. 33 no. 1:166-169 '63.

BITUMEN

(see also subdivision under Sakhalin)

Geochemical characteristics of bitumens based on data of infrared absorption spectra. S. S. Geiro. Izv. AN SSSR, Ser. fiz. 27 no. 1:110-113 Ja '63.

Micromethod for the cryoscopic determination of the molecular weights of bitumens and their constituents. A. N. Bodan, V. T. Skitar. Nauch. zap. Ukrains'kogo nauch. 6:58-63 '62.

BITUMEN—ANALYSIS see subdivision under Volga-Ural region

BITUMEN—GEOLOGY see subdivision under Volga-Ural region

BIURET REACTION

Determination of protein in corn seeds by the biuret method [with summaries in English, German, and French]. N. F. Pokrovskaya. Vest. sel'khoz. nauk 7 no. 5:147-149 My '62.

BLACK BODY

Using the photoelectric method for investigating the horizontal model of the black body at the temperature of the solidification of gold. I. I. Kirenev, G. A. Krakhmal'nikova. Trudy Inst. Kom. stand., mer i izm. prib. no. 51:98-109 '61.

BLACK FLIES

Criteria of allopatric species of bloodsucking black flies of the group *Odagmia ornata* (Mg.) (Diptera, Simuliidae) [with summary in English]. I. A. Rubtsov. Ent. obozr. 41 no. 4:901-920 '62.

BLACK-LEAD see Graphite

BLACK SCAB see Potato wart

BLACK SEA—DEEP-SEA DEPOSITS

Tagoeva, N. V., and M. M. Tikhomirova. [Geochemistry of bottom sediments in the Black Sea (northwestern part)] *Gidrobiologicheskii sbornik* Chernogo moria (severo-zapadnaya chast'). Moskva, Izd-vo Akad. nauk SSSR, 1962. 145 p.

BLACK SEA—PLANKTON

On the chemical elementary composition of Black Sea plankton. Z. A. Vinogradova, V. V. Kovalevskii. Dokl. AN SSSR 147 no. 6:1488-1490 D '62.

BLACK SEA REGION—ANTIQUITIES

Thrace and Northern Pontus. V. D. Blevatskii. Krat. soob. Inst. arkheol. no. 89:94-96 '62.

BLACK SEA REGION—PITTSOPORUM

Correct name of the species of *Pittosporum* growing in the Black Sea coastal areas. F. S. Pilypenko. Biol. Glav. bot. suda no. 47:41-47 '62.

BLACK SEA REGION—POTTERY

Stone covers of amphorae. N. I. Sokol'skii. Krat. soob. Inst. arkheol. no. 89:108-111 '62.

BLAGOVESHCHENSK—PUBLIC HEALTH ADMINISTRATION

Comrade Mal'tseva and Genosain Liebman. Sov. deput. trud. no. 9:104-109 S '62.

BLAST FURNACES

Aerodynamics of blast furnace air preheaters. V. N. Timofeev, F. R. Shklyar, K. I. Paltusova. Sbor. nauch. trud. VNIIMT no. 8:302-347 '62.
Automatic control of the relation of blasting and natural gas used in blast furnaces. K. G. Karimov. Avtom. i prib. no. 4:91-92 O-D '62.

Calculations of a blast furnace air preheater with variable air flow. F. R. Shklyar, V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:178-186 '62.

Investigating coefficients of heat transfer by convection and of the hydraulic resistance of new checkerwork shapes in blast furnace air preheaters. V. N. Timofeev, S. P. Kashtanova. Sbor. nauch. trud. VNIIMT no. 8:88-105 '62.

Largest blast furnace in the world. M. B. Rozenshteyn, M. B. Kutner. Met. i gornorud. prom. no. 5:3-7 S-O '62.

Methods of calculating blast furnace air preheaters. F. R. Shklyar, V. N. Timofeev, V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:220-245 '62.

Operational control and recording of automatic blast-furnace process. Kh. P. Zaitsev, I. E. Naushkovich. Mekh. i avtom. prozv. 16 no. 12:47-49 D '62.

Selection of efficient gas flow and temperature conditions for blast furnace air preheaters. F. R. Shklyar, V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:246-258 '62.
Simultaneous blowing operation of two air preheaters. V. M. Malkin, F. R. Shklyar. Sbor. nauch. trud. VNIIMT no. 8:269-277 '62.

Technical and economic comparison of new types of checkerwork for blast furnace air preheaters. V. N. Timofeev, S. P. Kashtanova. Sbor. nauch. trud. VNIIMT no. 8:280-301 '62.

Technical progress in blast furnace practice and quality of the coke. I. S. Kagan, T. A. Otroshchenko. Met. i gornorud. prom. no. 5:8-11 S-O '62.

Use of crude and converted natural gas in blast-furnaces. N. K. Leonidov. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:4-9 '62.

BLAST FURNACES—COOLING

Self-gripping device for testing coolers. I. Kasishchev. Prom. stroi. i inzh. soor. 4 no. 5:51 S-O '62.

BLAST FURNACES—DESIGN AND CONSTRUCTION

Effect of the height of dividing walls on the aerodynamics of blast furnace air preheaters. V. N. Timofeev, F. R. Shklyar, K. I. Paltusova. Sbor. nauch. trud. VNIIMT no. 8:348-359 '62.

Local burning of blast furnace tuyeres. A. S. Atukov. Metallurg 8 no. 1:10-11 Ja '63.

BLAST FURNACES—EQUIPMENT AND SUPPLIES

Comparative evaluation of disk and vibration screens for the line of coke feed to skip. G. G. Grigor'ev, B. D. Labutin. Trudy Ural. politekh. inst. no. 119:4-10 '62.

Competition for the best suggestion of a charging arrangement for powerful blast furnaces. Metallurg 8 no. 1:12 Ja '63.

Effect of underloading a blast furnace on the temperature, composition and static pressure of gases. V. V. Poltavets. Stal' 22 no. 12:1069-1071 D '62.

Pashkov, V. D. [Air-blowing equipment in metallurgical plants] *Vozdukhodavniye khozjalstvo metallurgicheskikh zavodov*. Moskva, Metallurgizdat, 1962. 247 p.

Potentialities of increased labor productivity in blast furnace practice. A. A. Logovatovskii. Stal' 22 no. 12:1128-1130 D '62.

Remarks on methods of determining certain additional loads on the metal structures of skip bridges. G. G. Grigor'ev, B. D. Labutin. Trudy Ural. politekh. inst. no. 119:11-15 '62.

Selecting the amount of feed depending on blast furnace capacity for the design of skip winches. N. S. Grekova, V. K. Gruzinov. Stal' 22 no. 12:1072 D '62.

Technical principles of automating the control of rotary distributors. A. I. Berin. Stal' 22 no. 12:1085-1088 D '62.

BLAST FURNACES—MAINTENANCE AND REPAIR

Drawing pig iron from the hearth before blowing out a blast furnace. I. M. Galemzin, A. L. Shatilina. Metallurg 8 no. 1:4-6 Ja '63.

Wear of blast furnace stacks. A. A. Cherepivskii, A. M. Skrebtsov. Stal' 22 no. 12:1072-1073 D '62.

BLAST FURNACES—MODELS

Bridging of the melt in a layer of blast furnace charge. A. S. Kukarkin, B. I. Kitaev. Izv. vyz. ucheb. zav. Chern. met. 5 no. 12:20-28 '62.

Investigating the gas dynamics of the blast furnace process with use of helium. I. A. Kopyrin and others. Izv. vyz. ucheb. zav. Chern. met. 5 no. 12:29-40 '62.

BLASTING

Effect of blasting on the interchamber pillars and ceilings. V. V. Mishyn. Khar. prom. no. 4:80-83 O-D '62.

Efficient design of the charge as a method of increasing the usefulness of blasting. N. V. Mol'nikov, L. N. Marchenko. Gor. zhur. no. 1:45-55 Ja '63.

Forming holes in the ice by the explosion of a blasting fuse in laying pipelines. B. L. Rodionov, P. L. Tereshchenko. Truzp. stroi. 12 no. 12:27-29 D '62.

Improvement of boring and blasting operations in Ural open-pit mines. A. M. Bereshehinov, A. V. Ermilov. Gor. zhur. no. 5:36 My '62.

Physico-mechanical properties of rocks and breaking them in forcing through by blasting with shaped charges. I. N. Popov, S. V. Nikolayev, V. S. Bondarenko. Izv. vyz. ucheb. zav. i geol. i razv. 5 no. 10:130-139 O '62.

Roar of peaceful explosions. M. Sytyl. Nauka i zhyttn 12 no. 10:43 O '62.

Seismic effect with various diagrams of delay action blasting. Met. i gornorud. prom. no. 5:53-57 S-O '62.

Seminar on boring and blasting operations in open-pit mines. B. T. Bakhtin, V. N. Pokhodzilo. Met. i gornorud. prom. no. 5:87 S-O '62.

BLASTING—CONGRESSES

New method of handling blasting in mining. Stroi. mat. 8 no. 12:10 D '62.

BLASTING—EQUIPMENT AND SUPPLIES see subdivision under Magnitogorsk

BLEACHING

Some problems in the bleaching of woodpulp. F. P. Komarov and others. Trudy VNIIB no. 47:78-85 '61.

BLEACHING MATERIALS—SPECTRA

Spectral methods of comparing the optically bleaching substances. V. G. Bocharov, A. F. Penkina. Zav. lab. 28 no. 12:1454-1456 '62.

BLIND—EDUCATION

Kovalenko, B. I., and N. B. Kovalenko. [Typhlopedagogics] *Tiflopedagogika*. Moskva, Izd-vo Akad. pedagog. nauk RSFSR.

No. 1. [Fundamentals of typhlopedagogics and typhlodidactics] *Osnovy tiflopedagogiki i tiflodidaktiki*. 1962. 414 p.

Twenty-fifth anniversary of the periodical "Sovetskii shkol'nik." M. Mironov. Sem'ia i shkola 17 no. 11:21-22 N '62.

BLIND—REHABILITATION

Standards relate. K. Romanova. Sois. obozr. 23 no. 11:18-17 N '62.

BLIND—DEAF—EDUCATION

Development of fundamental geometric concepts in the blind-deaf. R. A. Marceva. Dokl. APN no. 1:125-127 '62.

BLIUKHER, VASILII KONSTANTINOVICH, 1889-1938

Shapa, L. A. [Far Eastern Perekop] *Dal'novostochnyi Perekop*. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 103 p. (MHI)

BLOCK-SIGNAL SYSTEM see Railroads—Signaling—Block system

BLOK, ALEKSANDR ALEKSANDROVICH, 1880-1921

Thought and drama in A. Blok's critical works written during the Revolution of 1905 [with summary in English]. I. U. K. Gerasimov. Vest. LGU 17 no. 20:73-85 '62.

BLOOD—AGGLUTINATION

Determining the normal agglutination titer in buffaloes. M. K. Ganiev, A. A. Kuliev. Trudy Azer. nauch.-issl. vet. inst. 13:48-50 '62.

BLOOD—ANALYSIS AND CHEMISTRY

Change in the reserve alkalinity of sheep and rabbit blood during an experimental infection with listerellosis. A. A. Amaglov, G. A. Bagimova. Trudy Azer. nauch.-issl. vet. inst. 13:92-94 '62.

Changes in the leucocyte and thrombocyte composition of the blood, the number of mast cells and eosinophilic leucocytes in connective tissues, and the copper content of the blood serum under the effect of histamine [with summary in German]. I. Lazovskii. Izv. AN Latv. SSR no. 10:121-127 '62.

Some changes in the picture of peripheral blood during experimental polyarthritis of sheep. Report No. 7. I. A. Farzaliyev. Trudy Azer. nauch.-issl. vet. inst. 13:80-84 '62.

BLOOD—COAGULATION

Babun, V. P., V. N. Malisarovskii, and I. A. Oivin. [Laboratory methods for studying the blood coagulating system] *Laboratornye metody issledovaniia svyaznykh i sliznykh sistem krovi*. Moskva, Medgiz, 1962. 127 p. (Biblioteka prakticheskogo vracha) (DNLM)

Content of some basic components of the blood coagulation system in the fetus immediately after birth [with summary in English]. N. A. Shilko. Vop. okh. mat. i det. 7 no. 9:8-13 S '62.

Effect of hexonum on blood coagulation and the prothrombin time in rabbits [with summary in English]. N. B. Poshkus. Trudy Ukr. nauch.-issl. inst. eksper. onkol. 18:369-374 '61.

"Problem of blood coagulation and thrombogenesis" by B. A. Kudriashov. Reviewed by D. M. Zubairov. Usp. sovr. biol. 54 no. 3:366-367 N-D '62.

State of the blood coagulation system in pregnancy and in labor. M. A. Repina. Vop. okh. mat. i det. 7 no. 9:60-66 S '62.

BLOOD—CIRCULATION, ARTIFICIAL

Kopriyanov, P. A., ed. [Artificial blood circulation in surgery of the heart and the great vessels] *Istuslovennoe krovoobrazheniye v khirurgii serdtsa i magnistral'nykh sudov*. Leningrad, Medgiz, 1962. 303 p. (DNLM)

BLOOD—DISEASES

Disability evaluation of patients with insufficient blood circulation in the brain. V. Vdovin. Sois. obozr. 23 no. 9:40-42 S '62.

Grishanov, L. D. [Major eosinophilias and their clinical diagnostic significance] *Bol'shie eozinofilii krovi i ikh kliniko-dignosticheskoe znachenie*. Moskva, Medgiz, 1962. 161 p. (Biblioteka prakticheskogo vracha) (DNLM)

Organization of dispensary observation for children with blood diseases. V. N. Lebedev. Vop. okh. mat. i det. 7 no. 9:76-78 S '62.

BLOOD—EXAMINATION

Some indices of the peripheral blood in epidemic hepatitis in children treated with ACTH. N. M. Volkova-Vasil'eva. Zdrav. Kazakh. 22 no. 7:38-41 '62.

BLOOD—SEDIMENTATION

Relation of some blood indices to the state of the lungs in silicosis and anthracosilicosis. E. M. Vinarik. Zdrav. Kazakh. 22 no. 7:24-26 '62.

BLOOD—TRANSFUSION

Ampullae of life. I. U. Shyshyna, N. Shiller. Nauka i zhyttn 12 no. 10:12-13 O '62.

Blood transfusion with the support of an antishock fluid in clinical pulmonary tuberculosis. I. L. Drulan, M. I. Teflinskaya. Zdrav. Bel. 8 no. 12:13-15 D '62.

Development of a method for arterial blood infusion in the White Russian S.S.R. V. V. Babuk. Zdrav. Bel. 8 no. 12:71-74 D '62.

In the name of life. P. Udin. NTO 4 no. 11:28-30 N '62.

BLOOD DONORS

Brief notes on various things. N. G. Debrandt and others. Sov. Kras. krest 12 no. 4:13-14 J1-Ag '62.

BLOOD GROUPS

Study of group and Rh factors in maternal and fetal blood [with summary in English]. G. D. Kytmanova. Vop. okh. mat. i det. 7 no. 9:56-60 S '62.

BLOOD PLATELETS

Quantitative and qualitative shifts in the thrombocytes in the dynamics of bronchopneumonia in infants. O.P. Grigorova. Vop. okh. nat. i det. 7 no. 9:13-17 S '62.

BLOOD PRESSURE

Dynamics of the changes in arterial blood pressure during temporarily repeated reproduction of brain anemia. E.V. Leonova. Zdrav. Bel. 8 no. 12:30-36 D '62.
Increased arterial pressure in sportsmen. L.I. Zhari-kov. Zdrav. Bel. 8 no. 12:36-39 D '62.
Measurement of pressure in the cavities of the heart and large vessels in acquired heart defects [with summary in English]. V.D. Fedorov and others. Vop. kard. 2-go MGMI no. 2:357-374 '62.
Method of simultaneous graphic registration of sound and oscillographic indices of arterial pressure [with summary in English]. V.V. Bulichev, V.V. Solov'ev. Vop. kard. 2-go MGMI no. 2:345-356 '62.
Qualitative evaluation of the "stepped" reaction of the increase in maximum arterial blood pressure. V.P. Sirod'nikov. Teor. i prakt. fiz. kult. 25 no. 11:71-74 N '62.
Role of insufficiency of the insular apparatus of the pancreas in a change in blood pressure level [with summary in English]. S.G. Genes and others. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:181-186 '61.

BLOOD PRESSURE, HIGH see Hypertension

BLOOD PRESSURE, LOW see Hypotension

BLOOD PROTEINS

Clinical importance of changes in the protein fractions of the blood in hypertension and atherosclerosis. B.A. Onikienko. Zdrav. Bel. 8 no. 12:27-28 D '62.
Content of protein and protein fractions in the blood in diathetic diabetes. R.S. Goldberg. Zdrav. Kazakh. 22 no. 7:51-55 '62.
Dynamics of the total protein and protein fractions in the blood serum in acute leukosis in children [with summary in English]. K.V. Isakov. Vop. okh. nat. i det. 7 no. 9:27-30 S '62.
Electrophoretic study of the protein fractions of serum in the paratyphoid fever of calves. S.I. Tagizade. Trudy Azer. nauch.-issl. vel. inst. 13:95-99 '62.
Proteins of the blood serum in children sick with nephritis and nephrotic syndrome. I.N. Usan. Vestn. AN BSSR. Ser. Biol. nav. no. 3:112-116 '62.
Some biochemical indices in hemorrhagic vasculitis in children [with summary in English]. V.P. Voltenko. Vop. okh. nat. i det. 7 no. 9:35-40 S '62.

BLOOD SUGAR

Arteriovenous difference in the concentration of glucose in the blood of the brain in experimental hypothermia. V.A. Bernshteyn. Zdrav. Kazakh. 22 no. 7:47-51 '62.

BLOW-FLIES

(see also subdivision under Asia)
Resistance of tissues in some synanthropic flies (Diptera, Calliphoridae and Muscidae) to high temperatures [with summary in English]. I.S. Aronova. Ent. oboz. 41 no. 4:816-826 '62.

BLOWERS

Pashkov, V.D. [Air-blowing equipment in metallurgical plants] Vozdukhoduvnoe khozinstvo metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1962. 247 p.

BOARDING SCHOOLS

(see also subdivision under Bulgaria)
A beacon must light up! Komsom. zhizn' no. 21:10-13 N '62.

BOATBUILDING

Motorboat for amateur boatbuilding. IU. N. Nikiforov. Sudostroenie 20 no. 10:31-34 O '62.

BOATBUILDING—BIBLIOGRAPHY see Bibliography—Boatbuilding

BOATS AND BOATING

Aslekov, S.A., G.V. Zolotarev, and M. Mashinskiy. [On the open water] Na vodnykh prostorakh. Moskva, Izd-vo DOSAAF, 1962. 63 p.

BODAYBO—MASSACRE, 1912

The Lena Valley massacre. N. Voskresenskaya. Otv. na vop. trad. no. 4:27-31 Ap '62.

BODY TEMPERATURE—REGULATION

Gumenor, P.I. [Study of thermoregulation in the hygiene and physiology of work] Ispytaniya termoregulyatsii v gigiene i fiziologii truda. Moskva, Medgiz, 1962. 229 p.

[MICROFILM]

Seasonal changes in the thermal insulation capacity of the fur and the preferred temperature in Norway rats (Rattus norvegicus Berkh.) [with summary in English]. A.A. Sinichkina. Zool. zhur. 41 no. 11:1714-1718 N '62.

Thermoregulation and perspiration reflexes in patients with psoriasis before and after treatment at the Kemer health resort. P. Jakobson. Izv. AN Latv. SSR no. 10: 107-111 '62.

BOHR, NIELS HENRIK DAVID, 1885-1962

In memory of Niels Bohr. P.L. Kapitza. Priroda 52 no. 1:67 '63.

BOILERS

(see also subdivision under Germany, West; United States)
Burning of Arlen petroleum with increased stabilization in boiler furnaces. L.A. Gvozdet'skiy and others. Elek. sta. 33 no. 10:22-25 O '62.
Calculation of the stability of the hydrodynamic characteristics of the vertical panels of once-through boilers. K.F. Roddatis, L.M. Kivinson. Teploenergetika 10 no. 1:40-46 Ja '63.
Choice of optimum surface area of boilers. E.I. Benenson. Teploenergetika 9 no. 12:49-53 D '62.
Concerning N.V. Mikulina's remarks published in "Teploenergetika". no. 6 1961. A.I. Vysotskaya. Teploenergetika 9 no. 12:90 D '62.
Design of a through-type shut-off valve with a back sealing rod. I.G. Kutsak. Energomashinoostroenie 8 no. 12:37 D '62.
Evaluation of the reliability of power engineering systems. G.L. Gluzman, B.A. Purgin. Energomashinoostroenie 8 no. 12:17-20 D '62.
Features of using boiler-turbine blocks with intermediate steam superheating. V.K. Bogdanov. Energomashinoostroenie 8 no. 11:9-10 N '62.
Firing of newly constructed boilers designed for operation on diesel fuel. A.A. Salamonov. Energetik 11 no. 1: 14 Ja '63.
Gusev, IU. L., and S.F. Kop'ev. [Boiler systems and thermal networks] Kotel'nye ustanoivki i teplovyie seti. Moskva, Gosstroizdat, 1962. 310 p.
Improvement of a mechanical VTI system sampler operating in large coal conveying systems. I.A. Norkin, M.N. Krasnov. Energetik 11 no. 1:12-13 Ja '63.
Improvement of the operation of BTR grates. G.R. Liberman. Energetik 11 no. 1:35-36 Ja '63.
Method for calculating the duration between rinsing intervals in boilers with supercritical pressure. E.P. Dik, M.D. Pansenko. Elek. sta. 33 no. 10:17-19 O '62.
Nomenclature of presently manufactured boilers. Energetik 11 no. 1:40 Ja '63.
Overall redesigning of raw coal feeding systems. A.M. Kruchinin. Energetik 11 no. 1:8-9 Ja '63.
Points from technical trade journals. Energetik 11 no. 1:35-37 Ja '63.
Remote controlled start and servicing of the steam ejectors of block-type systems. I.Z. Tsyrykin, G.V. Mikulin. Energetik 10 no. 12:13-14 D '62.
Results of testing the MP-VTI fly-ash catcher with a scrubber having a 4,100 mm. diameter. E.F. Kirpichev, A.P. Komarov. Teploenergetika 9 no. 12:22-28 D '62.
Safety factor and choice of permissible stresses in the calculation of boiler pipes. M.V. Pridantsev, K.A. Lanskaya. Teploenergetika 10 no. 1:61-64 Ja '63.
Small condensate diverters. IA. Tsvetkov. Mta. ind. SSSR 33 no. 8:43 '62.
Steam condensation from a steam and air mixture in vertical canals. V.A. Ruchko. Energomashinoostroenie 8 no. 11:24-28 N '62.
Study of the dynamics of a boiler and turbine block. N.IA. Zaslavskaya. Izv. AN Kazakh. SSR. Ser. energ. no. 2:28-38 '62.
Study of the operation of the additional section of PK-12 boiler. IU. A. Gol'dberg, I.E. Semonov, V.G. Chakrygin. Teploenergetika 10 no. 1:34-40 Ja '63.
Study of the work of a flame-layer furnace operating on coal from the Moscow coal basin. S.V. Tatishchev. Energomashinoostroenie 8 no. 11:21-23 N '62.
A two-stage ash collecting system. A.V. Kapustin. Energetik 11 no. 1:8-10 Ja '63.
Ultrasonic flaw detection in pipelines. E.IA. Vekaler, V.P. Krivusha. Energetik 11 no. 1:10-11 Ja '63.
Use of cast-iron sectional boilers without face sections. S. Penkin. Bel. stroit. 16 no. 1:12 Ja '62.
Use of chromite concrete for lining boilers. V.S. Dyldin. Energetik 11 no. 1:12 Ja '63.
Wear of pipes of a feed-water economizer caused by the cinders of Estonian shale. I.E. Dubovskiy, M.V. Patronova. Energomashinoostroenie 8 no. 12: 13-17 D '62.

BOILERS—CLEANING
Adjustment of a preliminary purification system for preparing and proportioning milk of lime. A.Z. Akseil'rod. Energetik 11 no. 1:30-31 Ja '63.

BOILERS—EQUIPMENT AND SUPPLIES
Automatic compensation of the readings of hydrostatic level indicators during the start of a boiler. I.V. Dem'ianchuk. Teploenergetika 10 no. 1:70-75 Ja '63.
New device for boiler systems developed by the southern branch of the State Trust for the Organization and efficiency of Electric Power Plants. M.T. Kruk. Energetik 10 no. 12:3-8 D '62.

BOILERS—MAINTENANCE AND REPAIR
(see also subdivision under Koptevo)
Operating boilers without attendants. I.I. TSabat, Gor. khor. Mosk. 38 no. 7:30-31 Ji '62.

BOILERS, MARINE

Efficiency of liquid additives to boiler mazout. B.S. Karandashov. Trudy TSNIMF 8 no. 42:48-55 '62.

BOILERS, MARINE—FUEL SYSTEMS

Analysis of the economy of automatically regulated fuel combustion in steam boilers. V.F. Syromiatnikov. Trudy TSNIMF 8 no. 44:3-14 '62.
Structural diagrams of regulation systems of fuel combustion in marine steam boilers. L.G. Sobolev. Trudy TSNIMF 8 no. 44:15-27 '62.

BOILING POINTS

Equipment for the reproduction of the boiling point of water. F.Z. Alieva, V.P. Chekulaev. Trudy inst. Kom. stand. mer i izm. prib. no. 51:35-40 '61.
Heat of evaporation of the components of binary azeotropic mixtures with a minimum boiling point [with summary in English]. E.A. Rapshynskaya. Ukr. fiz. zhur. 7 no. 8:906-910 Ag '62.
Reproducing the boiling point of oxygen. A.D. Brodskiy, I.B. Trulev. Trudy inst. Kom. stand. mer i izm. prib. no. 51:41-43 '61.

BOLGARS see subdivision under Volga Valley

BOLIVIA—DESCRIPTION AND TRAVEL

Sobolev, L.S. [A beggar on the golden throne; a Bolivian diary] Nishchii na zolotom trone; boliviskii dnevnik. [Moskva] Izd-vo "Molodala gvardia," 1962. 107 p.

BOLLWORM

Species and significance of cotton bollworm. I.A. Somov. Zashch. rast. ot vred. i bol. 5 no. 6:44-45 Ja '60.

BOLLWORM—EXTERMINATION

(see also subdivision under Azerbaijan)
Should cottonseed cakes be excluded from the means for controlling the bollworm? R.N. Zashch. rast. ot vred. i bol. 5 no. 10:28-29 O '60.

BOLSHIEVISM see Communism

BOL'SHEZEMEL'SKAYA TUNDRA—GEOLOGY

Chernov, G.A. [Devonian sediments in the eastern part of the Bol'shezemel'skaya tundra] Devonskie otlozheniya vostochnoi chasti Bol'shezemel'skoi tundry. Moskva, Izd-vo Akad. nauk SSSR, 1962. 110 p.

BOL'SHOY KINEL' VALLEY—OIL RESERVOIR ENOINEERING

Water-oil contact of carbonate reservoirs in the central part of the Bol'shoi Kinel' swell. A.S. Panteleev, N.A. Mel'nikov, N.M. Gileva. Geol. nefti i gaza 7 no. 1:28-32 Ja '63.

BOL'SHOY USHKANYI ISLAND—TREES

Conditions for the growth of trees on the coast of Bol'shoi Ushkany Island in Lake Baikal. G.I. Galozil. Trudy Vost.-Sib. biol. inst. SO AN SSSR no. 1:114-119 '62.

BOLTS AND NUTS

Installation for testing the boltings. G.B. Galeev, A.N. Telepnev. Vost. vyz. shkoly 20 no. 12:68-69 D '62.

BOMBARDMENT WITH PARTICLES see Collisions (Nuclear physics)

BONDS, CHEMICAL see Chemical Bonds

BONE CARVING see subdivision under Mastuyugino

BONE MARROW see Marrow

BONES

Effect of feeding on the development of the skeleton in heifers and on the formation of their milk yield [with summaries in English, German, and French]. I.A. Lebedev. Vest. sel'khoz. nauki 7 no. 11:74-81 N '62.
Effect of the nature of feeding on the development of the skeleton in swine during the embryonic period. K.F. Mel'nyk. Nauk. pratsi asp. UASIN no. 5:160-166 '60.

BONES—RADIOGRAPHY

Radiography of the bones of young animals affected with rachitis [with summaries in English, German, and French]. M.I. Abramov. Vest. sel'khoz. nauki 7 no. 10:66 O '62.

BONUS SYSTEM

(see also subdivision under Dnepropetrovsk Province)
Apply material incentive systems to stimulate an increase in labor productivity. IU. Pak, Ekon. stroit. no. 1:18-23 Ja '63.
Awarding bonuses for putting construction units into operation. Ekon. stroit. no. 1:65-66 Ja '63.
Awarding bonuses to workers in light-industry enterprises for improving production quality. E. Kostrikova. Sots. trud 7 no. 4:137-141 Ap '62.
Awarding bonuses to workers in machinery manufacturing. A. Arkhipov. Sots. trud 7 no. 4:62-66 Ap '62.
Awarding bonuses to workshop engineers and technicians. A. Chudin. Sots. trud 7 no. 4:66-68 Ap '62.
Bonus payment practices to the workers should be improved. V.I. Masluk. Energetik 10 no. 12:25-27 D '62.

BONUS SYSTEM (Continued)

New tasks and forms of material incentives, A. Gruzdev, *Sots. trud* 7 no. 4:95-104 Ap '62.
Petrov, A. P. [Awarding bonuses for creating and introducing new technological methods; legal problems] *Premirovanie za sozdanie i vnedrenie novoi tekhniki; pravovye voprosy.* Moskva, Gosizdat, 1962, 57 p.
 Practice in applying various systems for awarding bonuses to machinery manufacturing workers, A. Arkhipov, *Biul. nauch. inform.: trud i zar. plata* 5 no. 4:29-34 '62.
 Practice in awarding bonuses to engineering and technical workers and employees in enterprises of the chemical industry of the Leningrad Economic Council, F. Anson, *Biul. nauch. inform.: trud i zar. plata* 5 no. 4:24-29 '62.

BOOK COVERS

Fifty best books, R. Tumanovskii, *NTO* 4 no. 11:42-43 N '62.

BOOK INDUSTRIES—EXHIBITIONS see subdivision under Alma-Ata; Czechoslovakia

BOOK REGISTRATION, NATIONAL see subdivision under Moldavia

BOOKPLATES, ARMENIAN

Bookplates by Armenian artists, S. Fortinskii, *Sov. knizh. torg.* 14 no. 10:38-39 '62.

BOOKS

"Acquaintance with books and the stock of bookstores" by A. I. Goldin. Reviewed by S. G. Livshits, *Sov. bibl.* no. 6:60-61 '62.

BOOKS—REVIEWS

[Chronicle of reviews] *Let. rets.* no. 1 '63.

BOOKS AND READING

In search of a vocation, I. I. Vekul, *V mire knig* 4 no. 11:44-45 N '62.
 My friends, A. Kravtsev, *V mire knig* 3 no. 1:16-17 Ja '63.
 People and books, V. A. Zakharchenko, *V mire knig* 3 no. 1:38-39 Ja '63.
 Reader's time, I. U. Frolov, *V mire knig* 3 no. 1:40-41 Ja '63.
 The reading of belles lettres, N. A. Rubakin, *V mire knig* 2 no. 12:37-38 D '62.

BOOKS FOR CHILDREN see Children's literature

BOOKSELLERS AND BOOKSELLING

(see also subdivision under Azerbaijan; Hungary; Kamensk-Ural'skiy; Kazakhstan; Komarovo; Kharkov Province; Kiev; Kirghizistan; Korma; Krasnoyarsk; Moscow; Rio de Janeiro; Smolensk Province; Sverdlovsk; Tartu; Uzbekistan; Vesenniy; Veshkayna District; Vitebsk Province; White Russia; Zhitomir)

"Acquaintance with books and the stock of bookstores" by A. I. Goldin. Reviewed by S. G. Livshits, *Sov. bibl.* no. 6:60-61 '62.
 An author's address, Anna Karavaeva, *Sov. knizh. torg.* 14 no. 1:3 Ja '63.

At bookfairs, N. Sekutina, N. Timofeev, *Sov. knizh. torg.* 14 no. 12:34 D '62.

"Book trade in foreign countries" by M. Z. Shterngarts. Reviewed by I. A. Karashev, *Sov. knizh. torg.* 14 no. 12:43 D '62.

"Books on the arts" by A. A. Gonorov, G. I. Navikov, I. I. Tsylin. Reviewed by I. Pol'man, *Sov. knizh. torg.* 14 no. 1:45-46 Ja '63.

Don't relax your efforts toward the rural areas, *Sov. knizh. torg.* 14 no. 10:1-2 '62.

Effectiveness of advertising, V. Osipov, *Sov. knizh. torg.* 14 no. 12:10-12 D '62.

For every enterprise a people's store, P. Savitskii, *Sov. knizh. torg.* 14 no. 1:18-21 Ja '63.

Give the green light, A. Kopyaov, *Sov. knizh. torg.* 14 no. 10:31-32 '62.

Give unremitting attention to the promotion of books, A. Belkina, *Sov. knizh. torg.* 14 no. 12:2-4 D '62.

Have you read these articles? *Sov. knizh. torg.* 14 no. 10:25-26 '62.

In the Kremlin, at the congress... I. U. Khachaturov, I. U. Bezofianskii, *Sov. knizh. torg.* 14 no. 10:6-7 '62.

Legal advice, *Sov. knizh. torg.* 14 no. 10:42-43 '62.

Let us speak of editions of the classic authors, A. Smirnova, *Sov. knizh. torg.* 14 no. 10:37 '62.

Letters to the editor, *Sov. knizh. torg.* 14 no. 12:40-41 D '62.

Military book week, M. Kovalenko, *Sov. knizh. torg.* 14 no. 1:16-17 Ja '63.

Near Moscow, at the "Spruces," *Sov. knizh. torg.* 14 no. 1:27-28 Ja '63.

New way of improving the qualifications of the staff, M. Kheifets, B. Borisovich, *Sov. knizh. torg.* 14 no. 10:16 '62.

Permanent conference on production, D. Kuzovenko, *Sov. knizh. torg.* 14 no. 12:30-31 D '62.

Proper organization assures success, V. Stepanov, *Sov. knizh. torg.* 14 no. 10:14-15 '62.

Put into practice the decisions of the November plenum of the Central Committee of the CPSU, *Sov. knizh. torg.* 14 no. 1:1-2 Ja '63.

Roads to the reader, A. Shurko, *Sov. knizh. torg.* 14 no. 12:14-16 D '62.
 School cooperatives as means of education, Z. Nikitina, *Sov. knizh. torg.* 14 no. 10:29 '62.

Selector of literature, S. Belkin, *Sov. knizh. torg.* 14 no. 10:33-34 '62.
 Several days a year, Lusia Levina, *Sov. knizh. torg.* 14 no. 1:8-11 Ja '63.

Shortcomings are not tolerated, V. Zagorodnii, *Sov. knizh. torg.* 14 no. 1:37-38 Ja '63.

The store and the community, B. Ginzburg, *Sov. knizh. torg.* 14 no. 10:26 '62.

Take agricultural literature to collective and state farms, *Sov. knizh. torg.* 14 no. 10:10 '62.

To every family, N. Kozlov, *Sov. knizh. torg.* 14 no. 12:32-33 D '62.

To simplify operations is to gain time, M. Stark, *Sov. knizh. torg.* 14 no. 10:32 '62.

Urgent business, A. Bulak, *Sov. knizh. torg.* 14 no. 10:22-23 '62.

Work the new way, *Sov. knizh. torg.* 14 no. 1:30-32 Ja '63.

BOOKSELLERS AND BOOKSELLING—ACCOUNTING

Centralization of accounting, L. Sidel'nikova, *Sov. knizh. torg.* 14 no. 1:35-37 Ja '63.

BOOKSELLERS AND BOOKSELLING—BIBLIOGRAPHY

see Bibliography—Booksellers and bookselling

BOOKSELLERS AND BOOKSELLING—CONGRESSES

At the conference in Moscow, *Sov. knizh. torg.* 14 no. 12:5-10 D '62.

On the upsurge, *Sov. knizh. torg.* 14 no. 12:36-39 D '62.

BOOKSTORES

Dressing the show windows of a bookstore, L. Tikhonova, *Sov. potreb. koop.* 6 no. 11:57-58 N '62.

BOOLEAN FUNCTIONS

A method for the minimization of Boolean functions and its use in the "Ural" universal digital computer, V. V. Kirukhin, *Probl. pered. inform.* no. 11:57-65 '62.
 Minimal normal forms of symmetrical functions, T. L. Maistrova, *Probl. pered. inform.* no. 11:47-56 '62.

BOOTS AND SHOES

Useful advice, *Rab. i stal.* 36 no. 12:21 D '62.

BOOTS AND SHOES, FELT

Kuz'michev, P. I., and M. I. Levin, [Manufacture of felt footwear and felt] *Proizvodstvo vallanot obuvi i vallokov.* Moskva, Gosmestpromizdat, 1962, 277 p.

BORAGE

Activity and quality of catalase in plants of the families Boraginaceae, Labiate and Umbelliferae, A. V. Blagoveshchenskii, N. V. Malyshova, T. P. Petrova, *Biul. Glav. bot. sadn.* no. 47:48-53 '62.

BORDER PATROLS

Rocket over the rocks, B. Bazanov, N. Zaishev, *Vokrug sveta* no. 12:21-22 D '62.

BORIC ACID

Extraction of boric acid from diluted solutions in the form of borotartrates [with summary in German], E. Svirce, A. Ievins, *Izv. AN Latv. SSR* no. 4:67-71 '61.

BORING

Determining the impact action in the percussion-rotary drilling, N. S. Rodionov, *Izv. vya. ucheb. zav.; geol. i razv.* 5 no. 9:132-137 S '62.

Experience in compiling geological sections for extra-deep drilling, M. P. Dvelli, *Trudy VNIGRI* no. 190: 177-210 '62.

[Handbook on drilling boreholes in underground workings] *Spravochnik po burenniu shpurov i skvazhin na podzemnykh rabotakh* [By] V. K. Buchnev, I. dr. Moskva, Gosgortekhnizdat, 1962, 271 p.

BORING—EQUIPMENT AND SUPPLIES

Use of artificial tars to eliminate water inflows into holes in air or gas drilling, T. S. Makeyeva, *Izv. vya. ucheb. zav.; geol. i razv.* 5 no. 10:149-144 O '62.

BORING—SAFETY MEASURES

Guberman, D. M., [Handbook on safety measures in deep test drilling for oil and gas] *Posobie po tekhnike bozonpasnosti pri glubokom razvedochnom burenii na nef'i i gaz.* Moskva, Gosgeotekhnizdat, 1962, 49 p. [MICROFILM]

BORING MACHINERY

(see also subdivision under Karpinsk region)
 Analysis of technical and economic indices of drilling deep blastholes in underground mines of the U. S. S. R., T. P. Kharlamov, M. G. Abramson, *Gor. zhur.* no. 5: 30-34 My '62.

Dry dust collecting on drilling rigs, B. N. Kuluzov, I. G. Mikhnev, *Gor. zhur.* no. 5:68-70 My '62.

Hydraulic drill, L. E. Graf, D. I. Kogan, V. I. Novozhitov, *Gor. zhur.* no. 1:76 Ja '63.

Hydraulic mechanism for breaking rocks, V. F. Golokoz, N. G. Gorshkova, *Gor. zhur.* no. 1:77 Ja '63.

Improving individual components of the P-1 drill rig, M. A. Chernyshev, A. A. Kusakin, *Gor. zhur.* no. 5:72-73 My '62.

Machinery for drilling large-diameter holes, A. I. Sergeev, *Stroi. i dor. mash.* 7 no. 12:33-34 D '62.

Methodology of determining the optimum parameters of an auger, D. N. Bashkatov, *Izv. vya. ucheb. zav.; geol. i razv.* 5 no. 10:120-120 O '62.

Modernization of the BKGM-AN-83 drilling and hoisting rig, P. V. Ternikov, *Elek. sta.* 33 no. 10:76 O '62.

New drills equipped with dust collectors, V. G. Gnilovskoi, V. M. Akimov, *Gor. zhur.* no. 5:54-56 My '62.

Responses of economic councils to the editors' requests, M. Shechurkin, S. Gapeev, *Gor. zhur.* no. 5:79 My '62.

BORING MACHINERY—EQUIPMENT AND SUPPLIES

Result of attaching a compressor to the BMP-115 rig, V. S. Kuts, G. A. Morozov, *Gor. zhur.* no. 5:71 My '62.

BORISIAK, ALEKSEI ALEKSEEVICH, 1872-1944

Aleksel Alekseevich Borisiaik, organizer of Soviet paleontological science; on the 50th anniversary of his birth, D. V. Obruchev, T. G. Sarycheva, *Paleont. zhur.* no. 4:3-11 '62.

BORSOGLEBSKAYA HYDROELECTRIC POWER STATION—UNDERGROUND CONSTRUCTION

Construction of the underground structures of the Borsoglebskaya Hydroelectric Power Station, G. I. A. Gevirts, D. M. Golitsynskii, *Gidr. stroi.* 33 no. 11: 12-18 N '62.

BORISOV—PIANO MAKERS

Highly-skilled polishers, A. Bataeh, *Rab. i stal.* 36 no. 12:7-8 D '62.

BORISOVKA DISTRICT—CONSTRUCTION INDUSTRY

Results of three years of work, I. Muratov, *Sel. stroi.* 15 no. 4:16-17 Ap '60.

BORN, MAX, 1882-

Max Born; his 80th birthday, A. T. Grigor'yan, *Priroda* 52 no. 1:97-99 '63.

BORO-GOL VALLEY—SOILS

Soils in river valleys of northern Mongolia as exemplified in the Boro-Gol Valley [with summary in English], E. P. Gusakov, E. I. Pankova, *Pochвоведение* no. 8: 66-72 Ag '62.

BORODINO, BATTLE OF, 1812

Anniversary of Borodino, I. Arakelian, *Grazhd. av.* 18 no. 9:26 S '62.

Meeting devoted to the 150th anniversary of the Borodino Battle, A. Birona, *Izv. AN Latv. SSR* no. 10:146 '62.

BORON—ANALYSIS

Reaction of boron detection by methyl violet, M. P. Babkin, R. D. Sechan, *Izv. vya. ucheb. zav.; khim. i tekhn.* 5 no. 5:847-848 '62.

BORON ORGANIC COMPOUNDS

Hydrolytic stability of polyorganoborosiloxanes, K. A. Andrianov and others, *Prikl. massy* no. 12:25-27 '62.

Structure of rubidium tetraphenylborate, J. Ozols, S. Vimba, A. Ievins, *Kristallografiia* 7 no. 3:392-395 My-Je '62.

Structure of rubidium tetraphenylboron [with summary in English], J. Ozols, S. Vimba, A. Ievins, *Izv. AN Latv. SSR* no. 4:93-94 '61.

BOSPORUS, CIMMERIAN (KINGDOM) see Cimmerian Bosphorus (Kingdom)

BOSTANDYK DISTRICT—INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

More attention to the biological method, S. P. Kuzovlev, *Zashch. rast. ot vred. i bol.* 5 no. 7:14 Ji '60.

BOTANICAL GARDENS see subdivision under Crimea; Nikita (Crimea)

BOTANICAL RESEARCH

E. S. Smirnov's method of taxonomic analysis and some possibilities for its application in botany, V. M. Shmidt, *Bot. zhur.* 47 no. 11:1648-1654 N '62.

Joint plenum of scientific councils on studying the development and utilization of animal and plant kingdoms, A. A. Buinovskaya, *Izv. AN SSSR, Ser. biol.* no. 6:945-948 N-D '62.

BOTANY see subdivision under Khoper Preserve; Kramonota Hills; Olesko District; White Russia; Yaroslavl Province

BOTANY—ANATOMY

Anatomic study of the formation of carrot roots, M. A. Sizova, *Trudy po prikl. bot., gen. i sel.* 31 no. 2:176-182 '57.

"Architectonics of plants" by V. F. Razdorskii, Reviewed by B. T. Matlenko, *Uch. zap. Tlr. gos. ped. inst.* no. 0: 187-188 '60.

Change in the anatomical structure of the shoot apex in the ontogenesis of *Coenosia bipinnatus* Cav. [with summary in English], V. K. Vasilevskaya, *Bot. zhur.* 47 no. 11:1553-1556 N '62.

BOTANY — ANATOMY (Continued)

- Morphologic and anatomic investigation of vegetative organs of cultivated representatives of the genus *Brassica* L. V. F. Derofeev. Trudy po prikl. bot., gen. i sel. 31 no. 2:150-169 '57.
- Some anatomic characteristics of hybrid tomatoes. T. B. Balygina. Trudy po prikl. bot., gen. i sel. 31 no. 2:131-133 '57.
- Some characteristics of the structure of axial organs in desert and semidesert shrubs. Sh. G. Dadashova. Dokl. AN SSSR 147 no. 4:974-976 D '62.
- Some correlations in the structure of plants. V. K. Vasil'skaia. Trudy PBI no. 10:3-16 '62.

BOTANY—CLASSIFICATION

- Komarnitskii, N. A., L. V. Kudrinskii, and A. A. Uranov. [Taxonomy of plants] Sistematika rastenii. Moskva, Uchpedgiz, 1962. 726 p.

BOTANY—DICTIONARIES

- Barkhatov, Sh. F. [Dictionary of botanical terms; morphology, classification, geobotany, physiology and anatomy of the higher and lower plants] Slovar' botanicheskikh terminov; morfologii, sistematiki, geobotaniki, fiziologii i anatomii vysshikh i nizshikh rastenii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1956. 214 p. (DNAL)

BOTANY—ECOLOGY

- Scientific seminar at the Department of Geobotany of the Komarov Botanical Institute of the Academy of Sciences of the U.S.S.R. in 1961-1962. A. S. Karpenko. Bot. zhur. 47 no. 11:1706-1707 N '62.

BOTANY—EMBRYOLOGY

- Embryology of the petty spurge *Euphorbia pappus* L. [with summary in English]. I. E. I. Kordun, V. O. Zafeta. Ukr. bot. zhur. 10 no. 5:42-48 '62.

BOTANY—MORPHOLOGY

- A. A. Sapozhnikova's works on the morphogenesis of plants and its significance for plant growing. M. A. Hurylova. Ukr. bot. zhur. 18 no. 5:107-115 '62.
- Materials on the morphology of the fruit of the genus *Citrus* Schr. M. K. Gol'dgauzen. Trudy po prikl. bot., gen. i sel. 31 no. 2:29-56 '57.
- Structure of the cone of growth in representatives of *Andromeda* (Drude) E. Busch and characteristics of their organogenesis. N. V. Shifova. Dokl. AN SSSR 147 no. 4:970-973 D '62.

BOTANY—NOMENCLATURE see subdivision under Turkmenistan

BOTANY—PHYSIOLOGY see Plant physiology

BOTANY—VARIATION

- Behavior of potato varieties in a gamma-field. I. U. A. Mezhchukin. Shor. stud. nauch. -issl. rab. TSKHA no. 11:197-203 '62.

BOTANY, FOSSIL see Paleobotany

BOTANY, MEDICAL

- Nosal', M. A., and I. M. Nosal'. [Medicinal plants and methods of their popular use] Likars'ki rosliny i sposoby ikh zastosuvannya v narodni. Pid red. V. H. Drobovskaya. Vyd. 2., dop. i vypravleno. Kyiv, Dorszhmedvydav URSS, 1962. 298 p.

BOTANY, MEDICAL—MAPS

- Tolmachev, A. L. [General directions for plotting maps of the areas of medicinal plants and the distribution of their concentrations. Methodical directions for estimating the resources and plotting maps of the distribution of medicinal plants] Obshchie ukazaniia o poradike provedeniia raboty po sostavleniiu kart arealov lekarstvennykh rastenii i razmeshcheniia ikh zaroslei. Metodicheskie ukazaniia po uchetu zapasov i sostavleniiu kart rasprostraneniia lekarstvennykh rastenii. [By] N. A. Borisova. Leningrad, Leningr. khimiko-farmatsyicheskii in-t, 1961. 33 p.

BOTEV, KHRISTO, 1846-1876

- Derzhavin, K. N. Khristo Botev. Moskva, Izd-vo Akad. nauk SSSR, 1962. 362 p.

BOTEV, KHRISTO, 1847-1876—BIBLIOGRAPHY see Bibliography—Botev, Khristo, 1847-1876

BOTRYTIS

- "Biology and conditions favoring parasitism in fungi of the genus *Botrytis*" by O. L. Rudakov. Reviewed by N. I. Vandyasheva. Zashch. rast. ot vred. i bol. 6 no. 10:56-57 O '60.

BOTTLE WASHING

- Temperature drops and heat exchange in bottle washing. G. S. Kodin. Spirt, prom. 28 no. 8:7-10 '62.

BOTTLES—STANDARDS

- New standard for liqueur and vodka bottles. I. I. Vol'fenzon. Spirt, prom. 28 no. 8:40-43 '62.

BOUNDARY LAYER

- Approximate integration of equations of a laminar boundary layer on a porous surface in an incompressible fluid. L. F. Kozlov. PMTF no. 51:21-27 S-O '62.

- Calculation of a laminar boundary layer in a compressible gas in the presence of suction or blowing. Liu Shen'-taiuan' [Liu Shen-ch'ian]. Zhur. vych. mat. i mat. fiz. 2 no. 5:868-883 S-O '62.

- Effect of the diffusion of radiating impurities on convective heat transfer. A. N. Rumynskii. PMTF no. 2: 50-56 Mr-Apr '62.

- Effect of the velocity of external flow and of the curvature of a body on the flow in a boundary layer. I. V. Petukhov, A. L. Ankudinov. Inzh. zhur. 2 no. 4:262-268 '62.

- Feasibility of numerical solution of the problem involving a laminar boundary layer on a semi-infinite body with suction in a dissociating gas [with summary in English]. L. A. Kulonen. Vest. LGU 18 no. 1:148-150 '63.

- Loitsianskii, L. G. [The laminar boundary layer] Laminarnyi pogranichnyi sloi. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 479 p.

- Magnetohydrodynamic boundary layer in a medium of anisotropic conductivity at low magnetic Reynolds numbers. G. A. Liubimov. Prikl. mat. i mekh. 26 no. 6:1077-1088 N-D '62.

- Numerical calculation of a laminar boundary layer in a compressible gas. I. U. N. Pavlovskii. Zhur. vych. mat. i mat. fiz. 2 no. 5:884-891 S-O '62.

BOUNDARY VALUE PROBLEMS

- Almansi-Michell's problem for a composite beam. G. M. Khatishevili. Trudy Vych. tsentra AN Gruz. SSR 2:213-230 '62.

- Boundary value problem with conditions at infinity for an ordinary second-order differential equation. I. U. A. Klovov. Usp. mat. nauk 17 no. 5:145-149 N-D '62.

- Convergence of the fractional step method for the heat conduction equation with variable coefficients. N. N. IAnenko. Zhur. vych. mat. i mat. fiz. 2 no. 5:933-937 S-O '62.

- Feasibility of numerical solution of the problem involving a laminar boundary layer on a semi-infinite body with suction in a dissociating gas [with summary in English]. L. A. Kulonen. Vest. LGU 18 no. 1:148-150 '63.

- A mixed problem in the theory of elastic vibrations for a region external to a circle. S. Kh. Shatashvili. Trudy Vych. tsentra AN Gruz. SSR 2:143-151 '62.

- Numerical method of integral relations. O. M. Belotserkovskii, P. I. Chushkin. Zhur. vych. mat. i mat. fiz. 2 no. 5:731-750 S-O '62.

- On the existence of a solution to Voragin's problem. L. I. Kamynin. Zhur. vych. mat. i mat. fiz. 2 no. 5:833-856 S-O '62.

- Solution of one problem of unsteady percolation by the method of integral relations. M. A. Taitrov. Zhur. vych. mat. i mat. fiz. 2 no. 5:938-942 S-O '62.

- Solution to a fundamental boundary value problem for certain linear even-order partial differential equations. A. E. Martynuk. Dokl. AN SSSR 147 no. 6:1286-1291 D '62.

- Solution to a mixed boundary value problem involving a cylindrical shell of varying thickness. V. S. Zhgenti. Trudy Vych. tsentra AN Gruz. SSR 2:65-97 '62.

- Use of the method of integral equations in the effective solution of some fundamental boundary value problems of the statics of an orthotropic elastic body [in Georgian with summary in Russian]. M. O. Bashelashvili. Trudy Vych. tsentra AN Gruz. SSR 2:90-121 '62.

BRACHIOPODA, FOSSIL see subdivision under Kuznetsov Basin; Ural Mountains

BRAIN

- Comprehensive study of the electrophysiological, histochemical and cytomorphological indicators of the excitation of brain neurons. A. B. Kogan. Dokl. AN SSSR 147 no. 4:995-998 D '62.

BRAIN—ANEMIA

- Dynamics of the changes in arterial blood pressure during temporarily repeated reproduction of brain anemia. E. V. Leonova. Zdrav. bel. 8 no. 12:30-35 D '62.

BRAIN—BLOOD SUPPLY

- Arteriovenous difference in the concentration of glucose in the blood of the brain in experimental hypothermia. V. A. Bernshein. Zdrav. Kazakh. 22 no. 7:47-51 '62.

BRAIN—INFLAMMATION see Encephalitis

BRAIN—LOCALIZATION OF FUNCTIONS

- And the machine answered... E. Saporina. Znan. -slia 37 no. 10:29-32 O '62.
- Theory of the reflex and reflex activity and the prospects of its development. P. S. Kupalov. Vop. psikhol. 8 no. 4:9-35 Ji-Ag '62.

BRAIN—TUMORS

- Case of a cerebral tumor metastasizing into the internal organs. A. I. A. Shilanskii, V. A. Aglinskii. Zdrav. Kazakh. 22 no. 7:73-75 '62.

BRAIN—WOUNDS AND INJURIES

- Kudrinskii, M. A. [Medical expertise on work capacity in brain injuries] Vrachebno-trudovaya ekspertiza pri travmah golovnogo mozga. Moskva, Medgiz, 1962. 143 p. (Biblioteka prakticheskogo vracha) (DNLM)

- Larila, A. R. [Higher cortical functions in man and their disturbances in focal lesions of the brain] Vysshie korykovye funktsii cheloveka i ikh narusheniia pri lokal'nykh porazheniakh mozga. [Moskva] Izd-vo Mosk. univ., 1962. 431 p. (DNLM)

BRASOVO DISTRICT—RUSSIAN LANGUAGE—DIALECTS

- Characteristics of the government of certain verbs in Russian dialects. V. A. Ivanova. Mat. i issl. po rus. dial. no. 2:140-140 '61.

BRASS

- Evaporation of zinc from brass at elevated temperatures. G. G. Maksimovich. Vop. mekh. real' tela no. 1:76-79 '62.

BRASS—ELECTRIC PROPERTIES

- Electroconductivity of brass as dependent on the degree of zinc evaporation. V. S. Baranetski, G. G. Maksimovich. Vop. mekh. real' tver. tela no. 1:131-135 '62.

BRASSICA

- Morphologic and anatomic investigation of vegetative organs of cultivated representatives of the genus *Brassica* L. V. F. Derofeev. Trudy po prikl. bot., gen. i sel. 31 no. 2:150-169 '57.

BRASSICACEAE—DISEASES AND PESTS

- Ecologic analysis of the developmental conditions of pests of brassicaceous vegetable crops in nature. L. A. Stepanova. Ent. oboz. 41 no. 4:721-736 '62.

BRATSK HYDROELECTRIC POWER STATION—CONCRETE CONSTRUCTION

- Concrete work in construction of the Bratsk Hydroelectric Power Station. V. A. Terent'ev, S. K. Akhrop. Gidr. stroi. 33 no. 11:5-12 N '62.

- The hydraulic concrete of the dam of the Bratsk Hydroelectric Power Station. K. V. Alekseev. Gidr. stroi. 33 no. 12:13-18 D '62.

BRATSK HYDROELECTRIC POWER STATION—DAMS

- The hydraulic concrete of the dam of the Bratsk Hydroelectric Power Station. K. V. Alekseev. Gidr. stroi. 33 no. 12:13-18 D '62.

BRAZIL—COMMUNIST PARTY

- We are perfecting work with the masses. Fund Saad. Part zhizn' no. 3:64-67 F '63.

BRAZIL—FOREIGN RELATIONS

- A "drifting" continent. I. U. Gvozdev. Nov. vrem. 20 no. 8:20-22 F '63.

BRAZIL—HISTORY

- "The recent history of Brazil, 1939-1959" by A. N. Glinkin. Reviewed by B. I. Kolyhin, I. E. Rybalkin. Vop. ist. 36 no. 1:139-141 Ja '63.

BRAZIL—POLITICS AND GOVERNMENT

- The National Liberation Front in Brazil. Mezhdunar. zhizn' 10 no. 2:147-148 F '63.
- Workers' meeting holding great promise. Oswaldo Pacheco Da Silva. Vsem. prof. dvizh. no. 12:11-10 D '62.

BRAZIL—SCHOOLS, UKRAINIAN

- "Ukrainian schools in Brazil." Reviewed by V. I. Lutsiv. Zhyttia i shkola 8 no. 10:12:57-59 O-D '62.

BRAZIL—TRADE UNIONS—CONGRESSES

- Workers' meeting holding great promise. Oswaldo Pacheco Da Silva. Vsem. prof. dvizh. no. 12:11-10 D '62.

BRAZIL—WOMEN IN AGRICULTURE

- A fresh wind is blowing across our fields. Elal do Souza. Zhen. mira no. 7:29 '62.

BREAD

- Dietetic bread made with the addition of sea kale. M. G. Shadrin. Khleb, i kond. prom. 6 no. 12:28-20 D '62.

BREAD—TESTING

- Effect of preheating on the improvement of the baking characteristics of wheat flour. I. A. Sysoev, I. I. Auerman. Khleb, i kond. prom. 6 no. 12:5-9 D '62.

BREAKDOWN, ELECTRIC

- Some characteristics of the electric breakdown of electrolytes. N. P. Melnikov, G. A. Ostrovnikov, A. A. Shteinberg. Dokl. AN SSSR 147 no. 4:822-825 D '62.
- Temperature of the spark in the breakdown of solid dielectrics [with summary in English]. V. I. Obukhov, A. I. Lisitsyn. Inzh. -fiz. zhur. 6 no. 1:66-72 Ja '63.

ERECIA see subdivision under Bashkiria

ERHLM, ALFRED EDMUND, 1829-1884

- Mielke, Franz. [In the land of the marabout. Translated from the German] V strane marabu. Leningrad, Gos. izd-vo det'skoi lit-ry, 1961. 99 p. (MDW)

BREMSSTRAHLUNG

- Bremsstrahlung of beta particles of Sr-90 and Y-90 and possibilities of its utilization [with summaries in English, German, and French]. V. S. Eliseev. Vest. sel'khoz. nauki 7 no. 10:113-118 O '62.

BREST—KINDERGARTEN

How our kindergarten works with the families of children. E. Shapoval. Nar. osv. no. 11:76-78 N '62.

BREST-LITOVSK, TREATY OF, MAR. 3, 1918 (RUSSIA)
Germany's violation of the Brest Treaty in the Caucasus. March-October, 1918 [with summary in English]. D. Z. Mutagirov. Vest. LGU 17 no. 20:147-153 '62.

BREST PROVINCE—BANKS AND BANKING

For putting the principle of material self-interest into practice on collective farms. G. Vecherko. Den. kred. 20 no. 12:46-50 D '62.

BREST PROVINCE—COLLECTIVE FARMS—INCOME DISTRIBUTION

For putting the principle of material self-interest into practice on collective farms. G. Vecherko. Den. kred. 20 no. 12:46-50 D '62.

BREST PROVINCE—SCHOOL SUPERINTENDENTS AND PRINCIPALS

In order to supervise schoolwork you have to organize it. M. Zabrodskina. Nar. osv. no. 12:40-44 D '62.

BREST PROVINCE—WHOLESALE TRADE

A year's work in the new way. I. Petrushin. Sov. pol'zeb. koop. 6 no. 12:29 D '62.

BREWERIES

Hydraulic conveying of distiller's grain in breweries. M. M. Korobov. Spirt, prom. 26 no. 8:18-19 '62.

BREWERIES—EQUIPMENT AND SUPPLIES see subdivision under Kharkov

BREWING INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under London

BRIBERY

A trial of grafters. M. Karpovich. Sov. deput. trud. no. 6:74-77 Je '62.

BRICK HOUSES

Apartment houses made of vibrated brick slabs with three longitudinal bearing walls. A. Tarnov. IA. I. in. st. 1. Zhil. stroi. no. 2:18-23 '62.

BRICK WALLS

Norms for vibrated brick slabs and their use in construction. N. V. Morozov, N. M. Anan'ina. Stroi. mat. 6 no. 12:6-9 D '62.

Returning a brick wall to the vertical. V. I. Skorupskii, I. M. Akimenko. Prom. stroi. no. 10:35 '62.

BRICK WALLS—STANDARDS

Russia (1923—U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions SN 176-61 for the use of vibrated brick slabs in the construction of buildings] Ukazaniia po primeneniui vibrokiprichnykh panelei v stroitel'stve zhdanil (SN 176-61). Moskva, Gosstroizdat, 1961. 54 p.

BRICKLAYING

Setting standards for masonry under seismic conditions. A. L. Churatan. Trudy FTI Turk. fil. AN SSSR no. 1: 15-26 '49.

BRICKMAKING

Master of kilning. V. Kandol'. Sov. pol'zeb. koop. 6 no. 11:35 N '62.

BRIDGE CIRCUITS

Protection of a measuring apparatus during the use of bridge circuits. M. A. Boniakovskii. Zav. lab. 28 no. 12:1525 '62.

BRIDGE CONSTRUCTION

(see also subdivision under Gorkiy; Kiev; Krasnoyarsk; Vyatka Valley)

The AMK-20 unit for erecting reinforced concrete bridge spans. V. T. Mikhailov. Stroi. i dor. mash. 7 no. 11: 25-26 N '62.

BRIDGES

"Instructions for surveying and designing road and railroad bridges over flowing water." Reviewed by A. V. Gorinov, I. I. Kantor. Transp. stroi. 12 no. 12:57 D '62.

Put the standardization and manufacturability of elements at the base of design. A. I. Ruts. Transp. stroi. 12 no. 12:32-34 D '62.

BRIDGES—FOUNDATIONS AND PIERS

The bearing capacity of sand foundations of deep cylindrical footings. E. A. Tulegenov, V. A. Iaroshenko, N. N. Sidorov. Transp. stroi. 12 no. 12:40-43 D '62.

BRIDGES, CONCRETE

The AMK-20 unit for erecting reinforced concrete bridge spans. V. T. Mikhailov. Stroi. i dor. mash. 7 no. 11: 25-26 N '62.

BRIQUETS

Explosion briquetting of steel shavings. V. G. Kanonenko and others. Mashinostroenie no. 5:10-21 S-O '62.

BRIQUETS (FUEL)

(see also subdivision under Rumania)
"Briquetting peat" by M. G. Bulynko, V. N. Ivanov, M. I. Sarmatov. Reviewed by G. B. Froelsteler. Torf. prom. 39 no. 8:36-37 '62.

In the Fuel and Power Section of the Technological and Economical Council of the Moscow Province Economic Council. V. V. Beresnevich. Torf. prom. 39 no. 8: 28-31 '62.

Testing the elastic parameters of peat briquets by the pulse ultrasonic method. M. P. Volarovich, E. P. Koval'skii. Torf. prom. 39 no. 8:14-15 '62.

"Theoretical principles underlying the process of briquetting peat" by V. M. Naumovich. Reviewed by V. G. Bulychov, M. G. Bulynko. Torf. prom. 39 no. 8:35 '62.

BRITISH COMMONWEALTH OF NATIONS see Commonwealth of Nations

BRITISH GUIANA—POLITICS AND GOVERNMENT

Hypocrisy of the colonizers. Cheddi Jagan. Nov. vrem. 20 no. 4:15-17 Ja '63.

When will British Guiana be given her independence? Meshdunar. zhizn' 10 no. 2:152-154 F '63.

BRNO—MACHINE-TOOL INDUSTRY

Always alive. I. Turin. Sov. profsoiuzy 16 no. 1:22-23 Ja '63.

BRNO—SOCIALIST COMPETITION

Always alive. I. Turin. Sov. profsoiuzy 19 no. 1:22-23 Ja '63.

BROACHING MACHINES

Gauging precise blind holes with hard-alloy smoothing broaches. I. U. G. Shneider. Vest. mashinostr. 42 no. 12:50-53 D '62.

BROAD BEAN see subdivision under Altai Territory; Yakhroma Valley

BROILERS (POULTRY)

Economic effectiveness of raising broilers. L. N. Pikh-tel'ev. Shor. stud. nauch. issl. rab. TSKHA no. 11:55-60 '62.

BROILERS (POULTRY)—BIBLIOGRAPHY see Bibliography—Broilers (Poultry)

BROMINATION

Bromination by dioxane dibromide. Part 2: Kinetics and mechanism of phenol bromination. V. S. Karplinskii, V. D. Lashenko. Zhur. ob. khim. 32 no. 12: 3997-4004 D '62.
Bromination of octamethylcyclotetrasiloxane. Part 3. A. I. Ponomarev, A. L. Klebanskii. Zhur. ob. khim. 32 no. 12:4022-4025 D '62.

Determination of aniline by a potentiometric titration method using bromination [with summary in English]. G. P. Tikhonirova, S. I. Belen'kain. Zhur. anal. khim. 17 no. 6:787-789 S '62.

Study of the constituents of essential oils. Part 1: Oxidation of alloaromadendrene by perbenzoic acid and its bromination. M. I. Gorishev, F. S. Sharipova. Zhur. ob. khim. 33 no. 1:290-303 '63.

BROMINE

Sterically hindered phenols. Report No. 11: Action of bromine on 2,6-di-alkyl-4-ethylphenols. V. V. Ershov, A. A. Volod'kin. Izv. AN SSSR, Otd. khim. nauk no. 12: 2150-2154 D '62.

BROMURAL

Experimental clinical study of the combined use of methyltestosterone, bromural and locithin in vasomotor disturbances induced by castration and secretory insufficiency of the male sex glands [with summary in English]. B. A. Variapetov, A. I. Gladkova, L. M. Shifman. Trudy Ukr. nauch. issl. inst. okspor. endok. 16:272-283 '61.

BRONCHOSCOPY

El'ova, M. Ia. [Bronchoscopy in the clinical treatment of internal diseases] Bronkhoskopiia v kliniko vnutren-nikh boleznei. Moskva, Medgiz, 1962. 174 p. (ONLM)

BROOMRAPE

Method for testing sunflowers for their resistance to broomrape. V. F. Kukin. Zashch. rast. ot vred. i bol. 5 no. 7:39 Ji '60.

BRONZE—METALLURGY

Melting bronze in a gas furnace with a recuperator. G. F. Degtev, V. I. Kharchenko. Mashinostroenie no. 5: 50-51 S-O '62.

BRONZE—SPECTRA

Effect of a supporting electrode material and of a third component on the relative intensity of the analytical pairs of lines of bronze elements [with summary in English]. G. V. Ovechkin. Zhur. anal. khim. 17 no. 6: 660-664 S '62.

BRONZE AGE see subdivision under Chuvashia; Don Valley; Moldavia

BRONZED SKIN see Addison's disease

BRONZES see subdivision under Uzbekistan

BRONZES, SCYTHIAN see subdivision under Kanev District

BROUKA, PIATRUS' USTINAVICH, 1905-
Piatrus' Brouka, a poet of the White Russian people. V. Burnosau. Nar. osv. no. 12:75-80 D '62.

BRUCELLOSIS

Sly bacilli. M. D. Krylova. Sov. Kras. krest 12 no. 4: 24 Ji-Ag '62.

BRUCELLOSIS—PREVENTIVE INOCULATION

Simultaneous vaccination by the epicutaneous method against plague, brucellosis and tularemia. B. R. Uzbekova, M. F. Shmyster, G. A. Abdullina. Zdrav. Kazakh. 22 no. 7:63-65 '62.

BRUCELLOSIS IN CATTLE

(see also subdivision under Azerbaijan)

Use of ring reaction in the diagnosis of brucellosis in lactating buffaloes. M. K. Ganiev, A. A. Kuliev. Trudy Azer. nauch. issl. vet. inst. 13:51-57 '62.

BRÜNN see Brno

BRUSHES, ELECTRIC

Evaluation of the properties of electrical brushes using a method which involves spectrum analysis of high-frequency voltages. A. S. Konstansov. Vest. elektroprom. 34 no. 1:87-88 Ja '63.

BRYANSK—MACHINERY INDUSTRY

Centralized freight transportation according to cards of estimated supply requests. A. M. Borisenkov. Mashinostroi. no. 12:36 D '62.

BRYANSK—RIFLE PRACTICE

In the factory rifle group. L. Serebrianyi. Voen. znani. 38 no. 1:30 Ja '63.

BRYANSK PROVINCE—FOREST NURSERIES

Practices in the propagation of trees and shrubs in covered nurseries. B. V. Grozdov. Les. khoz. 15 no. 11:47-49 N '62.

BRYANSK PROVINCE—SWINE HOUSES AND EQUIPMENT

Mechanized swine-fattening farm for 2400 head. S. V. Gmiov. Sel. stroi. no. 12:4-5 D '62.

BUCHAREST—VIEWS

[Bucharest] Bukharest. Predisl. Domostroya Botoza. Bucharest, Izd-vo "Meridiany," 1962. 13 p. illus. (Goroda i polzashit Rumynii)

BUCHENWALD (CONCENTRATION CAMP)

From Berlin to Karl Marx Stadt. Evgenia Kudpovich. Nov. vrem. 20 no. 4:23-25 Ja '63.

BUCKWHEAT

(see also subdivision under Ukraine)

"Cultivation practices in growing large buckwheat crops" by I. N. Elagin. Reviewed by M. I. Kalugin. Zemledelie 24 no. 11:65-66 N '62.

Studying aerial nutrition of buckwheat as related to pollination. Z. P. Pansheva. Agrobiologiya no. 6: 633-637 N-D '62.

BUDAPEST—CONGRESSES

Forum of journalists from 69 countries. I. Dzhirkevskov. Sov. foto 22 no. 11:10 N '62.

BUDAPEST—EXHIBITIONS

"Interpres Photo 1962." P. Bence. Sov. foto 22 no. 11: 11-19 N '62.

BUDGET

The budgetary system of the U.S.S.R. is based on the principle of democratic centralism. V. V. Descherevnykh. Vest. Mosk. un. Ser. 10: Pravo 17 no. 4:3-12 O-D '62.

"The state budget of the U.S.S.R." by A. M. Aleksandrov. Reviewed by R. Vinokur, G. Ermeeva. Fin. SSSR 23 no. 12:84-86 D '62.

BUDS

Biochemical characteristics of the buds of early, medium and late flowering varieties of apple. E. I. Eliseev. Biokhim. pl. i oveshch. no. 7:195-205 '62.

Characteristics of differentiation of fruit buds in grape vines [with summary in English]. A. F. Tiatlunk. Izv. AN SSSR. Ser. biol. no. 6:821-824 N-D '62.

Heterogeneity of pear buds as related to their origin. N. I. Turovskov. Agrobiologiya no. 6:854-860 N-D '62.

Time of the formation of generative buds in the dahurian larch (Larix dahurica Turcz.) and Yeddo spruce (Picea jezoensis [G. et Z.] Carr.). O. B. Mikhalevskaya. Bot. zhur. 47 no. 11:1650-1661 N '62.

BUFFALOES—DISEASES AND PESTS see subdivision under Azerbaijan

BUG VALLEY—CLAY

Formation of variegated clays in the upper Bug Valley. A. P. Mel'nyk. Trudy Inst. geol. nauk. AN URSS. Ser. zah. geol. no. 1:82-87 '62.

BUILDING

(see also subdivision under *Okt'yabr'skiy, Bashkiria; Shushenskoye; Ufa; Ukraine; Volgograd Province*)

Assembling mushroom-shaped reinforced-concrete structures. M. Darskii. *Stroi. i arkh.* 10:9-11 Ja '62.

Buildings made of asbestos-cement slabs. R. Abramova. *Zhil. stroi.* no. 2:28-32 '62.

"Geodesy in construction" by N.K. Farenbrukh. Reviewed by A.S. Kushnir, V.P. Efremov, V.A. Bel'chinskii. *Prom. stroi.* no. 10:56-3 of cover '62.

Proskurnin, V.P., S.M. Ralichenberg, and N.I. Molisev. [Flow sheets for the construction of completely prefabricated apartment houses] *Sbornik tekhnologicheskikh kart po stroitel'stvu pólnosbornykh zhilykh zdaniy*. Moskva, Gosstroizdat, 1962, 311 p.

BUILDING—ABSTRACTS

[Journal of abstracts: Construction and architecture] *Ref. zhurn. i Stroi. i arkh.* 5 no. 1 '63.

BUILDING—BIBLIOGRAPHY

see Bibliography—Building

BUILDING—CONTRACTS AND SPECIFICATIONS

Razin, I.I. [Legal problems concerning the planning of new building projects] *Pravovye voprosy proektirovaniya v stroitel'stve*. Moskva, Gosizdat, 1962, 160 p.

BUILDING—DETAILS

Defects in the joints of series 1-464s large-panel apartment houses. K. Koplevskii. *Zhil. stroi.* no. 1:8-10 '62.

Effect of zinc coating on the quality of joints made by arc welding. A. Brodskii, V. Ignat'ev. *Zhil. stroi.* no. 10:22-24 '62.

Estimate of expenditures based on the work as a whole. S. Mal'tsev. *Stroitel'* 8 no. 11:10-11 N '62.

Experimental verification of the strength and design efficiency of new joints of the frame of an industrial building. A.F. Gurskii. *Prom. stroi.* no. 10:38-43 '62.

Extending the life of steel braces in the walls of large-panel buildings. A. Shishkin and others. *Zhil. stroi.* no. 1:6-8 '62.

Improving the quality of finishing work. A. Seryi, G. Zlotnikov. *Stroi. i arkh.* 10 no. 8:32-33 Ag '62.

Quality of finishing work. L.I. Karpov. *Gor. khoz.* Mosk. 36 no. 7:56-58 Ji '62.

Raise finishing operations to a new technical level. A. Kokin. *Stroi. i arkh.* Mosk. 12 no. 1:9-13 Ja '63.

Sealed joints of elements of earthquake-proof large-panel buildings. A. Chursan and others. *Zhil. stroi.* no. 12:20-21 '62.

Sealing joints in exterior walls of completely precast buildings. K. Kashkarov. *Stroi. i arkh.* Mosk. 12 no. 1:18-20 Ja '63.

BUILDING—ESTIMATES

Krakovich, A.A., and I.I. Chudok. [Handbook for the engineer making estimates for the design of residential and public buildings] *Spravochnik inzhenera smotchika po proektirovaniu zhilykh i grazhdanskikh zdaniy*. Izd. 2., perer. i dop. Leningrad, Gosstroizdat, 1962, 251 p.

BUILDING—SAFETY MEASURES

Pool, V.I. [Handbook on accident prevention for the foreman of general construction work] *Pamiatka po tekhnike bezopasnosti dlia mashtora obshchestvennykh rabot*. Moskva, Gosstroizdat, 1962, 51 p. (Tekhnika bezopasnosti v stroitel'stve)

BUILDING—TECHNOLOGICAL INNOVATIONS

(see also subdivision under *Kazakhstan*)

Efficiency suggestions. *Sel'. stroi.* 16 no. 1:27-28 Ja '62.

Efficiency suggestions. *Sel'. stroi.* no. 12:25 D '62. Efficiency suggestions. *Transp. stroi.* 12 no. 12: 51-52 D '62.

Invention, efficiency promotion, improvement. Na *stroi. Ros.* no. 12:13, 29 D '61.

New developments in building practices. S. Savinov. *Zhil. stroi.* no. 2:16 '62.

New developments in construction equipment. Na *stroi. Ros.* no. 12:10, 27, 31 D '61.

New objectives for technical information and its dissemination. K. Beskii. *Stroi. i arkh.* 10 no. 12:30 D '62.

BUILDING, EARTHQUAKE-PROOF

see Earthquakes and building

BUILDING BLOCKS

Developing the technology of large efficient ceramic blocks. N.N. Volodina. *Sbor. trud. ROSNIMS* no. 10: 51-65 '61.

BUILDING FITTINGS

Consolidate and specialize the production of wooden structural elements and parts. G. Kolomnin. Na *stroi. Ros.* no. 12:19-21 D '61.

BUILDING INSPECTION

Procedure for inspecting completely built enterprises, buildings and structures before operation. *Blul. stroi. tekhn.* 19 no. 12:3-4 D '62.

BUILDING LAWS

New standards. *Pozh. delo* 9 no. 1:15 Ja '63.

BUILDING MATERIALS

(see also subdivision under *Golodnaya Steppe; Lithuania; Turkmenistan*)

"Arbait." P. N. Ershov, E. I. Kobtsev, A. N. Pervovskii. *Les. prom.* 40 no. 12:14-16 D '62.

Economy in using channel slabs. K. Kucherenko, A. Dubinskii, G. Rikhsinskii. *Stroi. i arkh.* 10 no. 8:33-34 Ag '62.

Fadeeva, V.S., and others. [Modern methods of studying building materials] *Sovremennyye metody issledovaniya stroitel'nykh materialov*. [By] T.S. But' dr. Pod obshchey red. V.S. Fadeeva. Moskva, Gosstroizdat, 1962, 238 p.

Kovalenko, A.F., L.L. Gorchitsyna, and G.A. Iskhakova. [Effective ceramics made of easily fusible clays] *Efektivnaya keramika iz legkoplavkikh glin*. Ashkhabad, Izd-vo Akad. nauk Turkmenenskoi SSR, 1962, 47 p.

Let's secure good-quality and economical wood products for the construction industry. *Der. prom.* 11 no. 12: 1-2 D '62.

Lightweight exterior elements using plastic. V. Maluga, N. Kozhevnikov, V. Kogan. *Prom. stroi. i inzh. soor.* 4 no. 5:32-38 S-O '62.

Overall utilization of wastes from mining and ore dressing combines. I.I. Bushchik. *Stroi. mat.* 8 no. 12:15-16 D '62.

Technical specifications for the use of scoria from the Gaurdak mine as a building material using the wastes of sulfur smelting. V.O. Tshokher, I.B. Aizenberg. *Trudy FTI Turk. fil. AN SSSR* no. 2:7-13 '60.

Using local materials around the floor beams of rural buildings. *Sel'. stroi.* 16 no. 1:25-26 Ja '62.

BUILDING MATERIALS—EXHIBITIONS

New effective building materials. A. Birkenhof. *Sel'. stroi.* 15 no. 4:21 Ap '60.

BUILDING MATERIALS—TESTING

Building materials made with industrial wastes. V. Elisev. *Pozh. delo* 8 no. 12:13-14 D '62.

Coefficients of moisture transfer for building materials. F.V. Ushkov, Khuan Fu-Chi. *Stroi. mat.* 8 no. 12: 27-29 D '62.

Comparison of the possibilities of determining the moisture content of building materials using neutron radiation and neutron backscattering methods. I.A. Chudars, N. Skvortsova, R. Maksimov. *Izv. AN Latv. SSR* no. 10: 91-98 '62.

Quality of building materials. L. Merkulova. *NTO* 4 no. 12:13 D '62.

BUILDING MATERIALS—TRANSPORTATION

Car for the transportation of building materials. *Sel'. stroi.* 15 no. 4:25 Ap '60.

BUILDING MATERIALS INDUSTRY

(see also subdivision under *Moscow; Ukraine; Uzbekistan; Voskresensk*)

[Handbook on the production of structural ceramics] *Spravochnik po proizvodstvu stroitel'noi keramiki*. Moskva, Gosstroizdat.

Vol. 3. [Wall and roofing ceramics] *Stenovaya i krovynaya keramika*. Pod red. M.M. Naumova i K.A. Nokhratiana. 1962, 699 p.

We will put into practice the decisions of the November Plenum of the Central Committee of the CPSU. *Stroi. mat.* 8 no. 12:1-2 D '62.

BUILDING MATERIALS INDUSTRY—AUDITING AND INSPECTION

see subdivision under *Dnepropetrovsk*

BUILDING MATERIALS INDUSTRY—COSTS

see subdivision under *Kirghizistan*

BUILDING MATERIALS INDUSTRY—FIRES AND FIRE PREVENTION

Arkhypov, K.N., and N.V. Solov'ov. [Fundamentals of safety engineering and fire prevention in the building materials industry] *Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki v promyshlennosti stroitel'nykh materialov*. Pod obshchey red. N.D. Zolotarevskogo. Moskva, Gosstroizdat, 1962, 295 p.

BUILDING RESEARCH

(see also subdivision under *Siberia, Western; Sverdlovsk*)

Basic objectives of the theory of reinforced concrete for the next twenty years. A.A. Gvozdev. *Izv. ASIA* 4 no. 4:3-8 '62.

The Central Research and Experimental Planning Institute for Industrial, Residential and Mass Cultural and Service Buildings. I.P. Domshlak. *Izv. ASIA* 4 no. 4:134-135 '62.

Contributions of science to rural construction. G. Prozorovskii. *Sel'. stroi.* no. 12:11 D '62.

The development of structural mechanics in connection with the reorganization of the work of design and research organizations in the light of decisions of the Plenum of the Central Committee of the CPSU. *Stroi. mekh. i rasch. soor.* 4 no. 6:1-2 '62.

BUILDING SITES

Concerning the instructions for engineering surveys for industrial construction. *Blul. stroi. tekhn.* 19 no. 12: 11-13 D '62.

BUILDING STONES

(see also subdivision under *Crimea; Gyuzdek region; Krasnovodsk District*)

Conveyor for carrying away stone blocks. Kh. V. Israetian. *Stroi. i dor. mash.* 7 no. 11:30 N '62.

BUILDINGS, PORTABLE

Standardize stock temporary structures. N. I.A. Turchin. *Prom. stroi.* no. 10:27-30 '62.

BUILDINGS, PREFABRICATED

(see also subdivision under *Kazakhstan*)

New designs for apartment houses made of three-dimensional elements. V. Katsin and others. *Stroi. i arkh.* 10 no. 1:11-14 Ja '62.

BUKHARA—TEXTILE WORKERS—EDUCATION AND TRAINING

Interest in economic studies is growing. S. Akhmadbaev. *Part. zhizn'* [Uzb.] 5 no. 11:57-59 N '62.

BUKOVINA—FLOUR MILLS—EQUIPMENT AND SUPPLIES

They substituted belt conveyors for screw conveyors. S. Fainberg. *Muk. -elev. prom.* 28 no. 10:27-28 O '62.

BUKOVINA—MUSEUMS

Chernovtsy. Kraevedcheskii muzei. [A Brief guidebook to the State Museum of Local History and Natural Resources in Chernovtsy] *Chernivets'kiy derzhavnyi kraevedcheskii muzei; korotkiy dovidnyk*. Chernivtsi, Obi. vyd-vo, 1958, 10 p.

BULGARIA—AGRICULTURE

In the People's Republic of Bulgaria. *Zemledelie* 24 no. 11:88-87 N '62.

BULGARIA—AGRICULTURE, COOPERATIVE

Efforts of the Bulgarian Communist Party to carry out V. I. Lenin's "cooperative plan," 1948-1952. N. I. Lednev. *Sbor. nauch. rab. kaf. ist. KPSS vuzov*. g. Khar. no. 4:165-170 '60.

BULGARIA—ANTIQUITIES

Thrace and Northern Pontus. V. D. Blavatskii. *Krai. soob. Inst. arkh.* no. 89:94-96 '62.

BULGARIA—BIBLIOGRAPHY

[New literature on Bulgaria] *Nov. lit. po Bolg.* nos. 4, 9/10-11 '62.

BULGARIA—BOARDING SCHOOLS

Tomorrow you will be a man. R. Turner, E. Kiranova. *Zhen. mira* no. 7:16-17, 31 '62.

BULGARIA—CHEMISTRY—EXPERIMENTS

Some experiments with plastics. V. Angelova, Z. Malcheva. *Khim. v shkole* 17 no. 6:76-78 N-D '62.

BULGARIA—COMMERCE

Goals of commerce in the Bulgarian People's Republic. Lalin Ganchev. *Sov. torg.* 36 no. 11:42-43 N '62.

BULGARIA—COTTON BREEDING

Some results of intervarietal crossing of cotton [translated from the Bulgarian]. Petr G. Savov. *Agrobiologiya*. no. 6:828-930 N-D '62.

BULGARIA—DAIRYING

A farm of communist labor. Vylko Kanchev, Zhelazko Zhelazkov. *Part. zhizn'* no. 3:87-89 F '63.

BULGARIA—ECONOMIC CONDITIONS

Biography of construction. Marin Grashnov. *Nauka i zhizn* 12 no. 9:55 S '62.

BULGARIA—EDUCATION

How the Bulgarian Communist Party struggled for the carrying out of V. I. Lenin's teachings on the cultural revolution, 1949-1952. G. N. Popov. *Sbor. nauch. rab. kaf. ist. KPSS vuzov* g. Khar. no. 4:179-182 '60.

BULGARIA—EDUCATION, HIGHER

Higher education in the Bulgarian People's Republic. Ivan Nenov. *Vest. vys. shkoly* 20 no. 12:70-71 D '62.

BULGARIA—EDUCATION OF CHILDREN

Hall, Bulgaria! V. Aranskii. *Sem'ia i shkola* 17 no. 11:30-31 N '62.

BULGARIA—HISTORY

Andreev, M., and D. Angelov. [History of the Bulgarian state and law. Translated from the Bulgarian] *Istoriia Bolgarskogo gosudarstva i prava*. Pod red. i s predisl. S. F. Kechevskiana i G. G. Litavrina. Moskva, Izd-vo inostr. lit-ry, 1962, 456 p.

Coming of age of a nation. Brigita Iosifova. *Ogonek* 40 no. 37:2 S '62.

BULGARIA—LAW

Andreev, M., and D. Angelov. [History of the Bulgarian state and law. Translated from the Bulgarian] *Istoriia Bolgarskogo gosudarstva i prava*. Pod red. i s predisl. S. F. Kechevskiana i G. G. Litavrina. Moskva, Izd-vo inostr. lit-ry, 1962, 456 p.

BULGARIA—LAW—STUDY AND TEACHING

Training of lawyers in the Bulgarian People's Republic. V. A. Zakharov, V. E. Chuganov. *Vest. vys. shkoly* 20 no. 12:71-73 D '62.

BULGARIA—MOTION-PICTURE PLAYS

Motion-picture industry of Bulgaria; remarks on the prewar period. G. Stolanov-Bigor. Vop.kinoisk. no. 6:318-351 '62.

BULGARIA—RASPBERRIES—DISEASES AND PESTS

Desiccation of fruit-bearing shoots of raspberries in Bulgaria. Docho Stolanov. Zashch.rast.ot vred.i bol. 5 no. 11:55-56 N '60.

BULGARIA—SOCIALIST COMPETITION

A farm of communist labor. Vylko Kanchev, Zhelazko Zhelazkov. Part. zhizn' no. 3:67-68 F '63.

BULLDOZERS

(see also subdivision under Kustanay Province)

My experience with bulldozer work. D. I. Utkin. Transp. stroi. 12 no. 12:4-5 D '62.

BULLDOZERS—COLD WEATHER OPERATIONS

Testing the DET-250A tractor and the D-572 bulldozer built for use in northern regions. G. D. Dakhno. Stroi. i dor. mash. 7 no. 12:15-17 D '62.

BULLDOZERS—STANDARDS

State standard for bulldozers for earthwork. Biul. stroi. tekhn. 10 no. 12:16-18 D '62.

BULLS

Production of sperm by bulls as related to their breed. M. F. Maslov. Vsesoyuzn. nauch. zhurn. 5 no. 12:94-95 D '62.

BUNAKOV, MIKHAIL FEDOROVICH, 1837-1904

Elementary education in M. F. Bunakov's pedagogical legacy. H. P. Hrytsenko. Rad. shk. 41 no. 12:15-18 D '62.

BUNAKOV, NIKOLAI FEDOROVICH, 1837-1904

Outstanding worker in the field of public education and pedagogics. V. Z. Smirnov. Sov. pedagog. 26 no. 12: 50-59 D '62.

BUNIAS see subdivision under Poltava Valley

BUNT (DISEASE OF WHEAT) see Smuts

BUREAL see subdivision under Birs-Ola; Olonoksky

BURMA—HISTORY

Kaufman, A. S., and A. F. Malov. [New history of an old country] Novaya istoriya drevnei strany. Moskva, Gospolitizdat, 1962. 100 p.

"New history of an old country" by A. Kaufman, A. Malov. Reviewed by N. Sergin. Az. i Afr. seg. no. 1:59-60 Ja '63.

BURMA—POLITICAL PARTIES

Political parties in Burma. Mezhdunar. zhizn' 10 no. 2:150-152 F '63.

BURMA—POLITICS AND GOVERNMENT

An anniversary of the independent Burma. A. Semenov. Nov. vrem. 20 no. 2:19-20 Ja '63.

BURMA—RICE—DISEASES AND PESTS

Rice pests in Burma. K. A. Mamaev. Zashch. rast. ot vred. i bol. 2 no. 6:53 N-D '57.

BURNERS

Letter to the editor. G. G. Traianov. Teploenergetika 9 no. 12:91 D '62.

BURYAT LANGUAGE—DIALECTS

Berlagaov, T. A. [Studies in the vocabulary of the Mongolian languages; a comparative and statistical study of the vocabulary of the Buryat dialects] K issledovaniyu lekseiki mongol'skikh yazikov. Opyt sravnitel'no-statisticheskogo issledovaniya lekseiki buriatskikh govorov. Ulan-Ude, Buriatskii kompleksnyi nauchno-issl. in-t, 1961. 158 p. (MII) (NJP)

BURYAT LITERATURE—HISTORY AND CRITICISM

Naidakov, V. T. [Notes on present-day Buryat literature] Zametki o sovremennoi buriatskoi literature; statii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 104 p. (MII)

BURYAT-MONGOLIA—EDUCATION

Badmatyurov, S. S., and A. A. Konstantinov. [Problems in the development of schools in Soviet Buryat-Mongolia] Voprosy razvitiya shkoly Sovetskoi Buriatii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1961. 104 p. (MII)

BURYAT-MONGOLIA—ROCKS, IGNEOUS

Nalajov, P. I. [Intrusive rocks in the central part of the Buryat A. S. S. R.] Intruzivnye gornye porody tsentral'noi chasti Buriatskoi ASSR. Moskva, Gosgeoltekhizdat, 1962. 149 p.

BUSCH, ERNST, 1900-

Skneerson, G. M. [Ernst Busch] Ernst Busch. Moskva, Sovetskii kompozitor, 1962. 82 p.

BUKUL' REGION—FIRECLAY

Developing a procedure for the manufacture of ladle brick from treated Chekmakul' kaolin and Bukul' clay. Trudy Vost. inst. ognep. no. 2:188-198 '60.

BUTADIENE

Developing a continuous system for the process of dehydrogenation of butylenes to bitynyls. V. S. Aliev, A. P. Kasimova, M. E. Muravchik. Azerb. neft. khoz. 41 no. 6:31-34 Je '62.

Raman spectrum of liquid 1,3-butadiene. IU. N. Panchenko and others. Opt. i spekt. 13 no. 6:857-859 '62.

BUTADIENE—THERMODYNAMIC PROPERTIES

Calculation of the thermodynamic functions of gaseous 1,3-butadiene from spectroscopic data. L. M. Syrdlov, E. N. Bolotina. Zhur. fiz. khim. 36 no. 12:2765-2767 D '62.

BUTADIENE

Interaction of diacetylene with amino alcohols and amines. Report No. 3; Stereochemistry of the addition of alkyl amines and dialkyl amino alcohols to the triple bond of diacetylene and 1-buten-3-yne. M. F. Shostakovskii and others. Izv. AN SSSR. Otd. khim. nauk no. 12:2217-2220 D '62.

BUTADIENE—SPECTRA

Effect of solvents on the nuclear magnetic resonance spectra of diacetylene and vinylacetylene. A. A. Petrov, M. V. Elisekov. Zhur. ob. khim. 33 no. 1:319-320 '63.

BUTENE

Developing a continuous system for the process of dehydrogenation of butylenes to bitynyls. V. S. Aliev, A. P. Kasimova, M. E. Muravchik. Azerb. neft. khoz. 41 no. 6:31-34 Je '62.

Mechanism of the hydrogenation of isoprene and its binary mixtures with isomylene. L. Kh. Fredin and others. Neftekhimika 2 no. 5:670-675 S-O '62.

Polymerization of α -amylens on complex catalysts [with summary in English]. M. F. Bordinikova, IU. V. Kissin, N. M. Chirkov. Vyssokom. soed. 5 no. 1:83-87 Ja '63.

BUTENYNE

Interaction of diacetylene with amino alcohols and amines. Report No. 3; Stereochemistry of the addition of alkyl amines and dialkyl amino alcohols to the triple bond of diacetylene and 1-buten-3-yne. M. F. Shostakovskii and others. Izv. AN SSSR. Otd. khim. nauk no. 12:2217-2220 D '62.

BUTENYNE—SPECTRA

Effect of solvents on the nuclear magnetic resonance spectra of diacetylene and vinylacetylene. A. A. Petrov, M. V. Elisekov. Zhur. ob. khim. 33 no. 1:319-320 '63.

BUTTER—PRESERVATION

Use of yeast culture for preventing the molding of creamy butter. N. M. Nedel'kina. Khar. prom. no. 4:28-30 O-D '62.

BUTTER, ARTIFICIAL see Oleomargarine

BUTTERFAT

Effect of fresh brewers yeast on the butterfat percentage of cows. A. V. Zhadan. Nauk. pratsi asp. UASHN no. 5: 107-200 '60.

BUTTERFLIES—COLLECTION AND PRESERVATION

"My butterfly hunting" by Eugene le Moult. Reviewed by V. P. Ivanov. IU. nat. no. 12:35 D '62.

BUTYL ALCOHOL

Isomeric 2-ethylhexenols formed during 1-butanol condensation. V. I. Likhomirov, N. N. Merkulov. Zhur. ob. khim. 33 no. 1:22-27 '63.

BUTYL PHOSPHATE

Reciprocal influence of thorium and cerium (IV) nitrates in simultaneous extraction with tributyl phosphate. A. V. Nikolaev, IU. A. Afanas'ev. Dokl. AN SSSR 147 no. 6:1300-1361 D '62.

BUTYNOL

Synthesis of 4-chlorobutyn-2-yl esters of carbamic acids. IU. A. Baskakov, I. A. Melnikova, N. N. Melnikov. Zhur. ob. khim. 33 no. 1:46-49 '63.

BUTYRIC ACID

Reaction kinetics of sodium with the single-phase systems benzene - water - butyric (or lauric) acid [with summary in English]. L. G. Gindin, T. A. Miskinova, I. N. Putilova. Zhur. fiz. khim. 36 no. 12:2580-2592 D '62.

BUTYRIC ACID—TOXICOLOGY

Toxicological characteristics of butyric acid. K. P. Stasenkova, T. A. Kochetkova. Toks. nov. prom. khim. veshch. no. 4:10-26 '62.

BUTYRIC ANHYDRIDE—TOXICOLOGY

Toxicity of butyric anhydride. K. P. Stasenkova, T. A. Kochetkova. Toks. nov. prom. khim. veshch. no. 4:20-35 '62.

BUY DISTRICT—COMMUNIST YOUTH LEAGUE

Unusual seminar. A. Ivanov. Komsom. zhizn' no. 21: 17-18 N '62.

BUZACHI PENINSULA—FORAMINIFERA, FOSSIL

Stratigraphic correlation of Maikop sediments in the Buzachi Peninsula based on foraminifera. N. K. Bykova, A. I. A. Zbel'. Trudy VNIIGRI no. 190:375-397 '62.

BUZACHI PENINSULA—GEOLOGY, STRATIGRAPHIC

Stratigraphic correlation of Maikop sediments in the Buzachi Peninsula based on foraminifera. N. K. Bykova, A. I. A. Zbel'. Trudy VNIIGRI no. 190:375-397 '62.

BUZULUK VALLEY—ANTIQUITIES, SARMATIAN

New Sarmatian finds in the Buzuluk River Valley. K. F. Smirnov. Krat. soob. Inst. arkheol. no. 60:83-83 '62.

BYALOVEZHKA PUSHCHA—BISON, EUROPEAN

Master of virgin forest. A. Kurakov. IU. nat. no. 12: 7 D '62.

BYALOVEZHKA PUSHCHA—MITES

Gamasid mites of rodents in the Byalovezhka Pushcha. I. T. Arzamasov. Vestn. AN BSSR. Ser. biol. nav. no. 3: 124-132 '62.

BYALOVEZHKA PUSHCHA—PARASITES—RODENTIA

Gamasid mites of rodents in the Byalovezhka Pushcha. I. T. Arzamasov. Vestn. AN BSSR. Ser. biol. nav. no. 3: 124-132 '62.

BYKHOV—COMMUNITY CENTERS

"There is a palace of culture in the city of Bykhov." Sov. deput. trud. no. 6:80 Je '62.

BYRON, GEORGE GORDON NOEL, 1788-1824

Byron. Arseni Tarkovskii. V mire knig 3 no. 1:138-37 Ja '63.

DYANTINE EMPIRE—SOCIAL CONDITIONS

[Town and country in the Byzantine Empire from the 4th to the 12th century; a collective report by the delegation of Soviet scholars] Gorod i derevnia v Vizantii v IV - XII vv.; kollektivnyi doklad delegatsii sovetskikh uchonykh. Bolgariya, 1961. 44 p. (12e Congrès International des Etudes byzantines. Rapports, no. 1) (DDO)

CABBAGE

Shortening of the vegetation period of early cabbage due to environmental conditions. N. A. Savchenko. Agrobiologia no. 6:1036-1037 N-D '62.

Vernalization of cabbage seeds. T. V. Litvinova, A. P. Fedotova. Trudy po prikl. bot., gen. i sel. 31 no. 2: 88-103 '57.

CABBAGE—DISEASE AND PEST RESISTANCE

Characteristics of specific and varietal diversity of cabbage as related to its resistance to clubroot. O. S. Fedotova. Trudy po prikl. bot., gen. i sel. 31 no. 2: 197-209 '57.

CABBAGE—DISEASES AND PESTS

Bacterial preparation against cabbage pests. A. I. A. Leikova. Zashch. rast. ot vred. i bol. 5 no. 6:31-32 Je '60.

CABBAGE—VARIETIES

Biochemical method for selecting varieties of cabbage for long storage. V. D. Brumskoln. Biokhimi. pl. i ovonch. no. 7:140-150 '62.

CABBAGE MAGGOT—EXTERMINATION

(see also subdivision under Yakutia) Testing diene synthetase preparations for controlling the cabbage maggot. K. V. Zolko. Zashch. rast. ot vred. i bol. 4 no. 5:43 S-O '60.

CABLES—TESTING

Device for determining spots of the failure of insulation and breaks of cable conductors. A. A. Syromintikov. Avtom. i prib. no. 4:92-93 O-D '62.

CABLEWAYS

Aerial cableway system with a carriage mounted skidder winch. E. A. Ovsianikov. Bum. i der. prom. no. 4: 50-60 O-D '62.

CACAO

Economic bases for the distribution of coffee, cacao, and tea in the capitalist world. I. M. Landau. Uch. zap. Tlr. gos. ped. inst. no. 9:90-140 '60.

CADASTERS

Cheromushkin, S. D., A. P. Klopovskii, and M. V. Markova. [Basic principles of the economic valuation of land] Osnovnye printsipy ekonomicheskoi otsenki zemli; materialy nauchno-issledovatel'skikh rabot. Moskva, Vses. nauchno-issl. in-t ekon. sel'. khoz., 1962. 70 p.

CADDIS FLIES see subdivision under Angara Valley

CADMIUM—ANALYSIS

Separation of cadmium from zinc on the EDE-10P anion exchanger. V. P. Razumova. Izv. vuz. ucheb. zav. i khim. i khim. tekhn. 5 no. 5:709-711 '62.

CADMIUM ANTIMONIDE CRYSTALS—SPECTRA

Spectral structure of CdSb type crystals. K. D. Tovatiuk, D. M. Gornus. Fiz. tver. tela 5 no. 1:142-140 Ja '63.

CADMIUM FLUORIDE

Spin-lattice relaxation of Yb^{3+} in CdF_2 . P. P. Pashinin, A. M. Prokhorov. Fiz. tver. tela 5 no. 1: 359-360 Ja '63.

CADMIUM SELENIDE

Structure of thin coatings of cadmium selenide sprayed on faces (100) and (110) of rock salt single crystals. I. P. Kalinkin and others. Fiz. tver. tela 5 no. 1:124-126 Ja '63.

CADMIUM SULFIDE

Electron and X-ray diffraction study of the structure of thermally treated cadmium sulfide powders. K. V. Shalimova, A. F. Andrushko. Kristallografiya 7 no. 3:371-373 My-Je '62.

CADMIUM SULFIDE—ELECTRIC PROPERTIES

Distribution of the potential and motion of minority carriers in CdS single crystals. S. Kynev, R. Pirinchikova, K. Marinova. Fiz. tver. tela 5 no. 1:291-300 Ja '63.

CADMIUM SULFIDE CRYSTALS—GROWTH

Injection of microscopic additives into CdS single crystals during their growth and some characteristics of alloyed samples. B. M. Bulakh, I. B. Mizetova. Ukr. fiz. zhur. 7 no. 10:1125-1127 O '62.

CAISSONS

Preventing leaks when installing the bottoms of caissons. A. G. Volik, P. S. Melnikov. Transp. stroi. 12 no. 12: 50 D '62.

CAKE

Advice to the cook. IA. Spartakov. Obshchestv. pit. no. 11:24-25 N '62.

CALANOIDA see subdivision under Crinoida

CALCITE

Movement of twinning dislocations in calcite. G. B. Rais. Izv. vys. ucheb. zav.; fiz. no. 6:22-24 '62.

CALCIUM—ANALYSIS

Complexometric method of determining calcium content of woodpulp. A. L. Kuritskii, E. P. Misiurova. Trudy VNIIB no. 47:95-102 '61.

CALCIUM CARBIDE

Kinetics and mechanism of nitration of calcium carbide. N. A. Gol'dberg, I. U. D. Znamenskii. Zhur. fiz. khim. 36 no. 12:2740-2751 D '62.

CALCIUM FLUORIDE CRYSTALS—SPECTRA

Zeeman effect in the absorption spectrum and luminescence of $\text{CaF}_2 - \text{Sm}^{2+}$ and $\text{SrF}_2 - \text{Sm}^{2+}$ crystals. B. P. Zakharchenko, A. Ia. Ryskin. Opt. i spektr. 13 no. 6: 875-877 '62.

CALCIUM IN THE BODY

Role of the vagus and sympathetic nerves on the trophic effect of the cerebral cortex on the calcium content in the blood [with summary in English]. G. K. Delneka. Trudy Ukr. nauch.-issl. inst. ekasper. endok. 18:91-95 '61.

CALCIUM OXIDE

Crystallization of oil-shale ash melts containing 45 to 80% of calcium oxide [with summary in English]. J. Lonn, N. Dilakorski. Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk 11 no. 4:288-295 '62.

CALCIUM PERMANGANATE

Production of calcium permanganate by electrolysis. I. G. Berikashvili. Trudy inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:57-65 '62.

CALCIUM SILICATES

Study of conditions for the formation of dibasic calcium hydrosilicates. L. N. Rashkovich, A. A. Maier, V. P. Varlamov. Sbor. trud. ROSNIIMS no. 20:18-28 '61.

CALCIUM TITANATE

Chlorination of calcium metatitanate. V. A. Reznichenko, V. P. Solomakhina. Titan i ego splavy no. 8:88-97 '62.

CALCULATING MACHINES

(see also subdivision under Rynzan)

Chepinocha, V. P. [Accounting techniques and calculating machines] Tekhnika obchyslen' i lichyl'ni mashyny. Kyiv, Derzhavne vyd-vo sil'skokhozpodars'koi lit-ry, 1961. 297 p. (Pidruchnyky ta uchbovi posibnyky dlia serednikh sil'skokhozpodars'kykh uchbovykh zakladiv)

Discrete calculating machines and electronic computers for testing agricultural equipment [with summaries in English, German, and French]. I. V. Korobochkin, Kh. M. Raikhlm. Vest. sel'khoz. nauki 7 no. 10:119-123 O '62.

Selection of optimum time parameters of a data collecting system for control computers used in automation systems of technological units for petroleum refineries. V. O. Lapa. Nauch. zap. Ukrainiproekta no. 8:94-102 '62.

Water-power computations on digital computers. A. Sh. Reznikovskii, A. L. Veitkanov, I. Iu. Solovieva. Gidr. stroi. 33 no. 12:26-28 D '62.

CALCULUS, INTEGRAL—STUDY AND TEACHING

Studying the elements of integral calculus in a mathematical school club. L. Z. Mudrala. Mat. v shkole no. 6:56-64 N-D '62.

CALCULUS, OPERATIONAL

Concerning the use of operational calculus in the study of intermittent processes. A. S. Rozenfeld. Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom. no. 6:145-149 N-D '62.

CALCULUS OF DIFFERENCES see Difference equations

CALCULUS OF PREDICATES

An analogue of Herbrand's theorem for the constructive computation of predicates. G. E. Mintz. Dokl. AN SSSR 147 no. 4:703-706 D '62.

CALCULUS OF VARIATIONS

Variational method for solving the axisymmetric thermoelasticity problem. V. A. Shachnev. Prikl. mat. i mekh. 26 no. 6:1033-1042 N-D '62.

Variational method for solving the problem of the oscillations of a liquid in a partially filled cavity. I. B. Bogoriad. Prikl. mat. i mekh. 26 no. 6:1122-1127 N-D '62.

Variational problems of the optimization of control processes with functionals depending on intermediate values of the coordinates. V. A. Troitskii. Prikl. mat. i mekh. 26 no. 6:1003-1011 N-D '62.

CALENDAR REFORM

Possible date for the introduction of a universal calendar. S. I. Seleshnikov. Astron. tsir. no. 225:21-22 S '61.

CALENDARS

"Time and calendar" by A. V. Butkevich, V. N. Gan'shin, L. S. Khrenov. Reviewed by M. S. Zelitsson. Priroda 52 no. 1:122-123 '63.

CALIBRATION

Divergence of the results of calibration of standard first grade thermocouples in the institutes of the committee. B. K. Bragiu, A. N. Gordov. Trudy Inst. Kom. stand., mer i izm. prib. no. 51:82-84 '61.

CALIFORNIA—RICE—FERTILIZERS AND MANURES

Application of nitrogen fertilizers to rice in California (from "Rice Journal," 1962). N. Konev. Zemledelie 24 no. 12:83-85 D '62.

CALISTHENICS

Effect of calisthenics on the labor productivity of machine-tool operators of the metal industries. V. M. Nikulin. Teor. i prak. fiz. kul't. 25 no. 11:48-52 N '62.

Investigation of the effect of physical education intermissions in the textile industry. I. V. Lovtanskaya, S. L. Feiglin. Teor. i prak. fiz. kul't. 25 no. 11:52-54 N '62.

CALMUCK LITERATURE see Folklore, Kalmyck

CALORIMETERS

Instruments for thermophysical measurements designed by the Leningrad Institute of Precision Mechanics and Optics. A. F. Hegunkova, G. N. Du'nev, E. S. Platinov. Teplo- i massoper. 1:3-10 '62.

Multiple-screen calorimeter for measuring betatron radiation. B. A. Kenonov, V. N. Rudenko. Izv. vys. ucheb. zav.; fiz. no. 6:147-151 '62.

Temperature distribution in the walls of a heater. F. R. Shklier, A. I. Morozova. Sbor. nauch. trud. VNIIMT no. 8:525-542 '62.

CALORIMETRY

Calorimeter of a new type for determining thermal constants. N. D. Kosov, O. V. Rivin. Teplo- i massoper. 1:152-159 '62.

Determination of heat capacity using an electronic calorimeter. E. A. Mit'kina. Teplo- i massoper. 1:146-151 '62.

A device for measuring heat flows emanating from surfaces. I. Ia. Zalkind. Teplo- i massoper. 1:188-189 '62.

Measuring the heat conductivity coefficient of semiconductors under nonsteady-state conditions. I. S. Lisker. Teplo- i massoper. 1:20-33 '62.

Mechanism underlying the oxidation of propylene on copper catalysts studied by the method of separate calorimetry. N. I. Popova, V. P. Latyshev. Dokl. AN SSSR 147 no. 6:1382-1385 D '62.

Standards for heat flow measurement. E. V. Kudriavtsev, K. N. Chakalev, O. I. Lameva. Teplo- i massoper. 1:140-145 '62.

Units for the measurement of the quantity of heat. B. N. Oleinik. Trudy inst. Kom. stand., mer i izm. prib. no. 51:87-92 '61.

CALVES—FEEDING AND FEEDS

Change in the quantity of bacteria in the rumen content of cattle calves and buffalo calves as related to the age and feeding. M. K. Ganiev and others. Trudy Azer. nauch.-issl. vet. inst. 13:207-210 '62.

CALYMNIA see subdivision under White Russia

CAMBODIA—RELATIONS (GENERAL) WITH RUSSIA

On the ancient land of the Khmers. Mol. mira no. 11/12: 19-20 '61.

CAMELS see subdivision under Mongolia

CAMERAS

More about the "Fram-11" gun camera. A. Artiukov. Sov. foto 22 no. 12:37 D '62.

CAMEROON—POLITICS AND GOVERNMENT

A new conspiracy of the imperialists in Cameroon. Alois-Mari N'Dioug. Mol. mira no. 11/12:24-25 '61.

CAMPANELLA, TOMMASO, 1568-1639

T. Campanella's unknown manuscripts. M. K. Starokadomskaya. Vop. ist. 30 no. 1:181 Ja '63.

CAMPHENE

Determination of the structure of a terpene residue in a phenyl terpene ether obtained from camphene and phenol. L. A. Kheifitz, G. I. Moldovanskaya, G. P. D'ina. Zhur. ob. khim. 32 no. 12:4098-4097 D '62.

CAMPHOR—PHYSIOLOGICAL EFFECT

Clinical aspects of camphor embolisms. N. S. Lebed', Zdrav. Bel. 8 no. 12:65-65 D '62.

CAMS

Using a set of universal cams for lateral carriages of automatic turret lathes. D. L. Litoshenko. Stan. i instr. 33 no. 12:33-34 D '62.

CANADA—ATOMIC WEAPONS

Canada and nuclear weapons. Nov. vrem. 20 no. 6:8 F '63.

CANADA—BASILIANS

Basilians, Canada. [Commemorative volume of the Basilian Fathers in Canada; fifty years in the service of God and the people] Propan'aina kniha OO. Vasylian u Kanadi, 50 lit na sluzhbi Bohovi i narodovi, 1902-1952. Toronto, Vyd-vo oo. Vasylian, 1953. 432 p. illus. (Ciy)

CANADA—CHILD STUDY

Tomorrow you will be a man. R. Turner, E. Kiranova. Zhen. mira no. 7:16-17, 31 '62.

CANADA—ECONOMIC CONDITIONS

Dangerous proximity; controversies between Canada and the United States. V. Sushchenko. Mezhdunar. zhizn' 10 no. 3:53-61 Mr '63.

CANADA—FOREIGN RELATIONS—UNITED STATES

Canada and nuclear weapons. Nov. vrem. 20 no. 6:8 F '63. Dangerous proximity; controversies between Canada and the United States. V. Sushchenko. Mezhdunar. zhizn' 10 no. 3:53-61 Mr '63.

CANADA—SOCIAL CONDITIONS

"Canada and the Canadians; profile of a modern nation" [in English] by Alistair Horne. Reviewed by I. Fursova. Sov. etn. no. 6:182-184 N-D '62.

CANADA—WOODPULP

Manufacture of woodpulp from chips and automation of the production. R. K. Banu. Bum. i der. prom. no. 4:56-58 O-D '62.

CANCER RESEARCH

Cancer, science and equipment. F. Kamenskii. NTO 4 no. 11:60-61 N '62.

CANCER RESEARCH—CONGRESSES

Against a dangerous enemy. R. IE. Kavets'kyl. Znan. te pratsia no. 11:6-7 N '62.

CANDIDOMYCOSIS see Moniliasis

CANKER (PLANT DISEASE) see subdivision under China

CANNING AND PRESERVING

Scientific and technical conference of representatives of the canning, dried vegetables and concentrated food industries. P. T. Sulimenko. Khar. prom. no. 4:85 O-D '62.

CANNING AND PRESERVING—EQUIPMENT AND SUPPLIES

Automation of tomato processing lines. G. V. Chalyl, B. M. Butenko. Izv. AN Mold. SSR no. 8:45-87 '62.

CANNING INDUSTRY

(see also subdivision under Moldavia)

Mechanization of can feeding to testers. A. G. Grynyts'ka. Khar. prom. no. 4:45 O-D '62.

CANNING INDUSTRY—EQUIPMENT AND SUPPLIES

New equipment for the canning industry. O. I. Maniovich. Khar. prom. no. 4:11-16 O-D '62. Pneumatic squeezer. M. N. Polin. Khar. prom. no. 4: 47-48 O-D '62.

CARGO HANDLING

Duzhina, V. P. [Manual for a receiving and delivery clerk in sea harbors] Posobie dlia priemosdatchika morskogo porta. Moskva, Izd-vo "Morskoi transport," 1962. 87 p.

Mechanizing cargo handling operations by means of gantry cranes. I. P. Strelakova, F. P. Bozhko, Sudostroenie 28 no. 10:44-45 O '62.

CARICATURES AND CARTOONS

Popular prints of 1812. S. Klepikov, Znan.-aia 37 no. 10:58 O '62.

CAROTENS

Effect of the animal's age on the carotene content of adipose tissues of large beef cattle. IU. Lapshev, Mias. ind. SSSR 33 no. 5:53 '62.

CAROTENOIDS

On lycopen as the probable predecessor of other carotenoids. T. N. Gadenov, R. M. Rotfarb, Dokl. AN SSSR 147 no. 4:962-963 D '62.

CARP

(see also subdivision under Khoper Preserve; Kremenchug Reservoir)

Oxygen threshold and respiration intensity of young carp and goldfish. IU. M. Kotelnikov, Sbor. stud. nauch.-issl. rab. TSKHA no. 11:333-335 '62.

CARPATIAN MOUNTAIN REGION—CONGLOMERATE
Fedushchak, M. IU. [Formation of exotic conglomerates in the Voroyshcha series of the cis-Carpathian region] Umovy utvorennia ekzotichnykh konglomerativ voroyshchenskoi serii Peredkarpattia. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 110 p.

CARPATIAN MOUNTAIN REGION—GEOLOGY, STRATIGRAPHIC

Main features of the stratigraphy of Jurassic deposits of the Carpathian trough and the southwestern borderland of the Russian Platform. V. N. Urobin, Dokl. AN SSSR 147 no. 4:908-911 D '62.

CARPATIAN MOUNTAIN REGION—PETROLEUM GEOLOGY

Conditions of holding and regularities in the distribution of oil and gas fields in the area of the Carpathian piedmont fault. B. I. Arush, Trudy Inst. geol. pol. iskop. AN URSR 5:133-143 '62.

Role of faults in the formation of oil and gas fields in the outer zone of the Carpathian piedmont fault. A. K. Ivanov, Trudy Inst. geol. pol. iskop. AN URSR 5:121-131 '62.

CARPATIAN MOUNTAINS—APPLES—VARIETIES

Microregional adaptation of apple varieties in the mountain areas of the Carpathians. M. A. Brukhlov, Vsesy. sil'hosp. nauky 5 no. 12:51-57 D '62.

CARPATIAN MOUNTAINS—FLYSCH

Deformation and the structural position of flysch zones in the Carpathians. V. S. Sasinovych, Trudy Inst. geol. nauk. AN URSR, Ser. zah. geol. no. 1:114-132 '62.

CARPATIAN MOUNTAINS—GEOLOGY, STRUCTURAL

Deformation and the structural position of flysch zones in the Carpathians. V. S. Sasinovych, Trudy Inst. geol. nauk. AN URSR, Ser. zah. geol. no. 1:114-132 '62.

CARPATIAN MOUNTAINS—GUIDE BOOKS

Gallapin, V. T., and S. A. Shcherbakov, [Tourists in the Carpathian Mountains; guidebook] Turisty v Karpatakh; putevoditel', Uzhgorod, Zakarpatskoe knizhno-gazetnoe izd-vo, 1962. 172 p.

[MICROFILM]

CARPATIAN MOUNTAINS—RAIN AND RAINFALL

Investigating the corrections for the distribution of rainfall over an area. A. G. Ivanenko, Izv. AN Mold. SSR no. 9:24-28 '62.

CARPATIAN MOUNTAINS—SHEEP BREEDING

Effect of ecologic factors on some body conformation and physiological indices in mountain Carpathian sheep. V. I. Turok, Vsesy. sil'hosp. nauky 5 no. 12:67-71 D '62.

CARPATHO-UKRAINE see Transcarpathia

CARPENTRY

Golota, G. F. [Ship carpenter] Sudovoi plotnik. Leningrad, Sudpromgiz, 1962. 247 p.

CARPENTRY—TOOLS

Types of machines for finishing floors for 1960-1965. Stroitel. mash. 7 no. 12:31 D '62.

CARROT BREEDING

Using the parent material in carrot breeding. B. I. Sechkarev, L. I. Kirichenko, Trudy po prikl. bot., gen. i sel. 31 no. 2:226-233 '57.

CARROTS

Anatomic study of the formation of carrot roots. M. A. Sizova, Trudy po prikl. bot., gen. i sel. 31 no. 2:170-182 '57.

Chemical weed control for carrots. T. I. Kanov, Zashch. rast. ot vred. i bol. 5 no. 5:18-19 My '60.

Vernalization of carrot seeds and plants. V. I. Razumov, Trudy po prikl. bot., gen. i sel. 31 no. 2:111-116 '57.

CARROTS—FERTILIZERS AND MANURES see subdivision under Azerbaijan

CASE HARDENING

Effect of the saturation of rapid steel by carbon on its properties. N. A. Nesterov, IU. V. Grdina, Izv. vys. ucheb. zav. i Chern. met. 5 no. 12:120-125 '62.

Electrolytic boron saturation in boron anhydride. N. N. Nogtev, IU. M. Ragozin, Metalloved. i term. obr. met. no. 12:49-50 D '62.

Fluid bath for cyaniding with the use of potassium ferrocyanide. I. A. N. Fushstein, Vest. mashinostr. 42 no. 12:86-87 D '62.

Letter to the editors of the journal "Metallovedeni i Termicheskaia Obrabotka Metallov." Metalloved. i term. obr. met. no. 12:58-60 D '62.

Universal liquid bath for cyaniding without the use of poisonous cyanide salts. I. A. N. Fushstein, Avt. prom. 20 no. 1:40-41 Ja '63.

CASEBEARERS (INSECTS)—EXTIRMINATION see subdivision under Kazakhstan

CASPIAN SEA—COAST CHANGES

Role of the river factor in the dynamics of the western shore of the Caspian Sea. O. K. Leon'tev, A. I. Khalilov, Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:49-55 N-D '62.

CASPIAN SEA—SHIPPING

With sailors of the Caspian Sea. I. Golodenko, NTO 4 no. 9:12 S '62.

CASPIAN SEA—TIDAL WAVES

Time of onset of tsunamis. G. P. Tamrazin, Uch. zap. AGU, Geol.-geog. ser. no. 6:89-98 '61.

CASPIAN SEA REGION—AFFORESTATION

Practices in the afforestation by planting in clusters in the Caspian Sea region. F. M. Kas'ianov, Agrobiologia no. 6:605-611 N-D '62.

CASPIAN SEA REGION—DESCRIPTION AND TRAVEL

Saying good-bye to the sea. E. Slavekil, L. Raskin, Vokrug sveta no. 12:8-10 D '62.

CASPIAN SEA REGION—GAS, NATURAL—GEOLOGY

Akademiia nauk SSSR, Kompleksnaia lizhnaiia geologicheskaiia ekspeditsiia, 1956. [Transactions of the Southern Geological Expedition, 1956] Trudy. Pod red. I. O. Broda, Leningrad, Gostoptekhizdat.

No. 8. [Geology and the oil and gas potentials of the southern U. S. S. R.; trans-Caspian region and the northern Caspian Sea region] Geologiya i neftegazonosnost' Iuga SSSR; Zakaspii i Severnyi Prikaspii, 1962. 538 p.

CASPIAN SEA REGION—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the Apscheron stage in the western and northern Caspian Sea region. N. I. A. Zhidovinov, Uch. zap. SGU 65:99-103 '59.

CASPIAN SEA REGION—PETROLEUM GEOLOGY

Akademiia nauk SSSR, Kompleksnaia lizhnaiia geologicheskaiia ekspeditsiia, 1956. [Transactions of the Southern Geological Expedition, 1956] Trudy. Pod red. I. O. Broda, Leningrad, Gostoptekhizdat.

No. 8. [Geology and the oil and gas potentials of the southern U. S. S. R.; trans-Caspian region and the northern Caspian Sea region] Geologiya i neftegazonosnost' Iuga SSSR; Zakaspii i Severnyi Prikaspii, 1962. 538 p.

CASPIAN SEA REGION—RUNOFF

Role of the river factor in the dynamics of the western shore of the Caspian Sea. O. K. Leon'tev, A. I. Khalilov, Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:49-55 N-D '62.

CASPIAN SEA REGION—WATER, UNDERGROUND

Hydrodynamic properties of water-bearing complexes in the northwestern part of the Caspian Sea region. L. A. Anisimov, Geol. nefti i gaza 7 no. 1:52-55 Ja '63.

CAST IRON—ANALYSIS

Pilot plant investigation of the blowing of titanium-niobium cast iron. V. A. Reznichenko and others, Titan i ego splavy no. 8:72-85 '62.

CAST IRON—METALLURGY

(see also subdivision under Memphis, United States)
Production of magnesium cast iron by means of double modification. F. S. Emel'dash, Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:27-29 '62.

CAST IRON—TESTING

Effect of magnesium on the chilling of cast iron. A. A. Zhukov, G. F. Pokin, Izv. vys. ucheb. zav. mashinostr. no. 7:140-146 '62.

Effect of the elastic recovery of impressions in heating on the results of testing cast iron for wear. A. A. Vasserman, Zav. lab. 28 no. 12:1480-1481 '62.

Testing cast iron used in wet-process enamelling. P. Pauksa, J. Elduks, Izv. AN Latv. SSR no. 4:77-84 '61.

Testing the wear resistance of magnesium cast iron in order to use it for manufacturing drilling equipment parts subject to wear. V. I. Shlykov, Izv. vys. ucheb. zav. i nefti i gaza 5 no. 4:99-104 '62.

CAST IRON—WELDING

Conference on the welding of cast iron. B. G. Ivanov, Svar. proizv. no. 7:40-41 JI '62.

CAST IRON PIPE see Pipe, Cast iron

CASTRATION

Action of estrogens (oestrol and diethylstilbestrol) on the bone marrow and spleen [with summary in English]. A. P. Moskalenko, Trudy Ukr. nauch.-issl. inst. eksper. onkol. 18:288-302 '61.

Experimental clinical study of the combined use of methyltestosterone, bromural and lecitin in vasomotor disturbances induced by castration and incretory insufficiency of the male sex glands [with summary in English]. B. A. Vartapetov, A. I. Gladkova, L. M. Shifman, Trudy Ukr. nauch.-issl. inst. eksper. onkol. 18:272-283 '61.

CATALASE

Activity and quality of catalase in plants of the families Boraginaceae, Labiatae and Umbelliferae. A. V. Blagoveshchenskii, N. V. Malysheva, T. P. Petrova, Biol. Glav. bot. suda no. 47:48-53 '62.

Catalase active systems. Part 3: System Cu²⁺-isopropylamine. T. P. Vorob'eva, A. P. Furmal', Zhur. fiz. khim. 36 no. 12:2780-2782 D '62.

CATALASE

Physiological analysis of an experimental cataleptoid state induced by sound stimuli. Report No. 2: Effect of the inertia of the stimulating process on the duration of the cataleptoid state. I. M. Prokopenko, Uch. zap. Tir. gos. ped. inst. no. 9:177-185 '60.

CATALOGS, PUBLISHERS'

New catalogs from Soluzhnaia Publishing House. Sov. knizh. torg. 14 no. 10:43 '62.

Transzheldorizdat, vsesoluzhnoe izdatel'sko-poligraficheskoe ob'edinenie. [Catalog of literature on railway transportation available for purchase] Katalog literatury po zheleznodorozhnomu transportu, imelushchiesia v nalichii. Moskva, Transzheldorizdat, 1955. 33 l. [PHOTOCOPY]

CATALOGS, UNION

[Union list of new foreign books, received by the libraries of the U. S. S. R. Series A: Natural sciences, medicine, agriculture, technology] Svod. blud. nov. inostr. knig, postup. v bibl. SSSR, Ser. A: Est. nauki, med., sel', khoz., tekhn. no. 5 '62.

CATALPA

Use of catalpa oil in the manufacture of alkyl resins and drying oils. M. D. Boudin and others, Lakokras. mat. i kh. prim. no. 5:78 '62.

CATALYSIS

Catalytic activity of organic polymers. Part 3: Some regularities of catalytic activity on the chelate polymers of various chemical composition and structure. N. P. Keler and others, Kin. i kat. 3 no. 5:689-690 S-O '62.

Catalytic activity of organic polymers. Part 4: Catalytic activity of chelate polymers in the reaction of hydrogen peroxide decomposition. N. P. Keler, M. G. Troitskaya, E. G. Rukhadze, Kin. i kat. 3 no. 5:691-697 S-O '62.

Catalytic cleavage of dimethylcyclosiloxanes in the presence of dimethyldichlorosilane. K. A. Andrianov, V. V. Severnyi, Izv. AN SSSR, Old. khim. nauk no. 12:2133-2138 D '62.

Catalytic hydrogenation of 3-sulfolene. A. V. Maslitskii, A. V. Khramov, V. I. Chernov, Kin. i kat. 3 no. 5:742-746 S-O '62.

Catalytic properties of titanium dioxide and its solid solutions. I. S. Sazonova and others, Kin. i kat. 3 no. 5:751-760 S-O '62.

Chemisorption and catalytic properties of a semiconductor film on metal. F. F. Vol'kenshtein, V. S. Kuznetsov, V. B. Sandomirskii, Kin. i kat. 3 no. 5:712-723 S-O '62.

Effect of the acidity of oxide catalysts on their catalytic activity. Part 2: Dehydration of isopropyl alcohol. V. A. Dzile'ko and others, Kin. i kat. 3 no. 5:728-733 S-O '62.

Effect of the acidity of oxide catalysts on their catalytic activity. Part 3: Dimerization of propylene. M. S. Borisova, V. A. Dzile'ko, E. M. Cherednik, Kin. i kat. 3 no. 5:734-741 S-O '62.

Effect of the calcining temperature of rare earth oxides on their catalytic activity. L. A. Sazonov, M. G. Logvinenko, Kin. i kat. 3 no. 5:761-766 S-O '62.

Estimation of the number of active centers by processing the experimental data by the method of the theory of ensembles. O. M. Poltorak, V. S. Boronin, N. M. Dmitriyenko, Vest. Mosk. un. Ser. 2:Khim. 16 [i. e. 17] no. 8:39-40 N-D '62.

Glass cell with conducting walls for measuring the contact difference of potentials. V. A. Llando and others, Kin. i kat. 3 no. 5:704-708 S-O '62.

CATALYSIS (Continued)

- Mechanism of the catalytic action of metallic oxides in the reaction of decomposition of formic acid. Part 1: Composition of the reaction products [with summary in English]. V. A. Komarov and others. Zhur. fiz. khim. 36 no. 12:2577-2581 D '62.
- Method of investigating catalysts changing fast their activity during a reaction. M. N. Shendrik. Kin. i kat. 3 no. 5:797-799 S-O '62.
- Polarographic catalytic hydrogen waves induced by organic catalysts. Part 3: Experimental study of the effect of the preceding reaction on the space catalytic waves [with summary in English]. S. G. Mairanovskii, J. Koutecky, V. Hanus, Zhur. fiz. khim. 30 no. 12:2621-2627 D '62.
- Roiter, V. A. [Introduction to the theory of kinetics and catalysis] Vvedenie v teoriyu kinetiki i kataliza. Kiev, Izd-vo Akad. nauk USSR, 1962. 110 p.
- Some problems of heterogeneous catalysis. G. K. Borzakov. Kin. i kat. 3 no. 5:633-642 S-O '62.
- Some problems of present-day chemical kinetics. V. V. Voevodskii. Kin. i kat. 3 no. 5:627-632 S-O '62.

CATALYSTS

- Alkylation of toluene by propylene in the presence of $AlCl_3 \cdot 12PO_4$. E. P. Babin, Z. S. Borodina, V. A. Kompanets, Zhur. fiz. khim. 36 no. 12:2768-2772 D '62.
- Catalysis for ethylene oxide polymerization. O. V. Krylov, I. U. E. Siniak. Neftekhimiya 2 no. 5:688-698 S-O '62.
- Formation of the active surface of ethylene oxide polymerization catalysts. O. V. Krylov, M. I. A. Kushnerev, E. A. Pokina, Neftekhimiya 2 no. 5:697-704 S-O '62.
- Highly active ferromanganese contact catalyst for thermal desulfuration of petroleum products. V. S. Komarov and others. Dokl. AN SSSR 147 no. 6:1413-1416 D '62.
- Obtaining titanium trichloride for use as catalyst in polymerization processes. I. U. S. Iablokov, V. M. Lozovatskii, Titen i ego splyny no. 8:135-139 '62.
- Oxidation of acenaphthene with electrochemical regeneration of the catalyst. A. I. Kamneva and others. Neftekhimiya 2 no. 5:756-759 S-O '62.
- Polymerization of α -amylenes on complex catalysts [with summary in English]. M. P. Bordinova, I. U. V. Krasin, N. M. Chirkov. Vysokom. neod. 5 no. 1:63-67 Ja '63.
- Polymerization of allylcyclohexane in the presence of the catalytic system $TiCl_4 + Al(iso-C_4H_9)_3$. A. V. Topchiev, E. L. Fantalova, L. V. Ostrova, Dokl. AN SSSR 147 no. 4:857-859 D '62.
- Polymerization of ethylene and some other vinyl monomers with soluble catalytic systems. A. V. Topchiev, L. L. Stokata, B. A. Krentsil'. Plast. massy no. 12:3-12 '62.
- Polymerization of trichloroacetaldehyde in the presence of an organometallic catalyst. G. P. Semonido and others. Dokl. AN SSSR 147 no. 6:1366-1368 D '62.
- Preliminary preparation of the dehydrating K-5 catalyst before its introduction into the reactor. V. S. Aliev and others. Azerb. neft. khoz. 41 no. 8:35-39 Ag '62.
- Preparation of isoprene from dimethylsiloxane. Part 1: Role of a catalyst and of a carrier. Zh. Gershkovich and others. Zhur. ob. khim. 32 no. 12:3087-3090 D '62.
- Preparation of isoprene from dimethylsiloxane. Part 3: Acidity and activity of a cracking catalyst. Zh. Gershkovich and others. Zhur. ob. khim. 32 no. 12:3092-3097 D '62.
- Reaction and catalysis. V. A. Roiter. Nauka i zhytiya 12 no. 7:33-34 Ji '62.
- Structure of some silicate catalysts. L. G. Karakchiev, A. D. Makarov. Kin. i kat. 3 no. 5:747-750 S-O '62.

CATAPLEISITE

- Catapleisite and hydrocatapleisite of alkaline pegmatites. E. I. Semenov, I. P. Tikhonov. Trudy IMGRE no. 9: 88-93 '62.

CATHODE FOLLOWERS

- Heat stabilized cathode follower using resistances with increased input impedance. G. I. Koptev. Elektrosvaz' 18 no. 12:33-38 D '62.

CATHODES

- Concerning one method for studying cathode sputtering. V. I. Veksler. Radiotekh. i elektron. 8 no. 1:145-152 Ja '63.
- Distribution of spectral line intensities in a hollow cathode. I. A. Berezin. Opt. i spektr. 13 no. 8:850-851 '62.
- Role of secondary emission phenomena in the X-ray photoeffect from metal cathodes. M. A. Rumsh, V. N. Shchemeleev. Fiz. tver. tela 5 no. 1:71-77 Ja '63.
- X-ray photoeffect of diatomic cathodes. V. N. Shchemeleev, M. A. Rumsh. Fiz. tver. tela 5 no. 1:66-70 Ja '63.

CATHOLIC CHURCH—GOVERNMENT

- How the Vatican is governed. Mezhdunar. zhizn' 10 no. 3:146-151 Mr '63.

CATHOLIC CHURCH (BYZANTINE RITES) see subdivision under Ukraine, Western

CATHOLIC CHURCH IN THE UKRAINE

- [First in shakles; White Book on the persecution of religion in the Ukraine. Translated from the Italian] Pershi zakovani; Bila knyha pro porosliduvannya vry v Ukraini. Buenos Aires, 1956. 70 p. (Cty)

CATS see subdivision under Ust-Urt

CATS—DISEASES AND PESTS see subdivision under Estonia

CATTLE

- (see also subdivision under Romania)
- Changes in the structure of a cattle carcass with age [with summaries in English, German, and French]. D. L. Levantin. Vest. sel'khoz. nauk 7 no. 10:48-58 O '62.

CATTLE—DISEASES AND PESTS

- (see also subdivision under Azerbaijan)
- Changes in cholesterol metabolism in cattle theileriasis. M. A. Alizade. Trudy Azer. nauch.-issl. vet. inst. 13: 234-237 '62.
- Effect of ascorbic acid and carotene on bilirubinemia in cattle theileriasis. M. A. Alizade. Trudy Azer. nauch.-issl. vet. inst. 13:228-233 '62.
- "Effran II," a new preparation for the treatment of trichophytosis in cattle. M. K. Ganlev and others. Trudy Azer. nauch.-issl. vet. inst. 13:191-197 '62.
- Functional checkup of the liver of cattle infected with theileriasis by the Takata-Ara test. M. A. Alizade. Trudy Azer. nauch.-issl. vet. inst. 13:221-224 '62.
- Studying the metabolism in animals infected artificially and spontaneously with theileriasis. M. A. Alizade. Trudy Azer. nauch.-issl. vet. inst. 13:216-220 '62.

CATTLE—FEEDING AND FEEDS

- Effect of sodium sulfate on the quality of corn silage and the productivity of cows fed with it. F. U. Palfi, I. A. Nakhonchina, A. I. Vasylenko. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. rajoniv. URSR 14 no. 4:44-47 '61.
- Nitrogen substances of the rumen contents of cows in various types of feeding. V. M. Holovach. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. rajoniv. URSR 14 no. 4:9-13 '61.
- Physiological and biochemical changes in the rumen of buffaloes and Red cattle during the feeding of carbamide. A. A. Aliev, M. Sh. Kafarov. Trudy Azer. nauch.-issl. vet. inst. 13:198-206 '62.

CATTLE—PHYSIOLOGY

- Carbohydrate and fat metabolism of cattle [with summaries in English, German and French]. V. A. Kaplan, V. A. Syridenko. Vest. sel'khoz. nauk 7 no. 5:59-63 My '62.
- Effect of feeding urea on some indices of carbohydrate metabolism in cows. N. I. A. Doyhan'. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. rajoniv. URSR 14 no. 4:14-17 '61.
- Effect of feeding urea on the formation of fermentation acids and some indices of fat metabolism in cows. V. I. Skorokhid. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. rajoniv. URSR 14 no. 4:18-22 '61.
- Effect of hexachloroethane and carbon tetrachloride on the amounts of glycogen, lipides, and phosphorus compounds in the liver and the indices of the lipide composition of the blood in cattle. I. I. Pupin, S. I. Kusen'. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. rajoniv. URSR 14 no. 4:81-89 '61.
- Effect of sodium sulfate on sulfur metabolism in cows fed urea. I. I. Rozhoni. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. rajoniv. URSR 14 no. 4:23-27 '61.
- Electrophoretic investigation of proteins of the blood serum and liver of cattle in vermifuge treatment with hexachloroethane and in fascioliasis. B. F. Sukhomlinov. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. rajoniv. URSR 14 no. 4:90-93 '61.
- Secretion of petroleum products from the organism of cattle after oral introduction of naphthalan. I. A. I. U. Babnev. Trudy Azer. nauch.-issl. vet. inst. 13:245-249 '62.
- Some characteristics of cervical secretion in cows [with summary in English]. L. N. Gorokhov. Vest. sel'khoz. nauk 7 no. 10:117-118 O '62.
- Some indices of metabolism in the liver tissues and blood of cattle in case of a sugar excess. S. I. Kusen', I. I. Pupin. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. rajoniv. URSR 14 no. 4:75-80 '61.

CATTLE BREEDING see subdivision under Askaniya-Nova Preserve

CATTLE BREEDS see subdivision under Armenia

CAUCASIAN LANGUAGES—GRAMMAR, COMPARATIVE [Ibero-Caucasian Linguistics (Ibero-Caucasica)] Iberistika-kavkazskoe jazykoznanie (Ibero-Caucasica). Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, [Parallel texts in Georgian and Russian] Vol. 13. 1962. 378 p.

CAUCASUS—AVALANCHES

- Estimation of the danger of avalanches in high mountain areas designed for development. K. V. Akif'eva and others. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 8:27-183 '62.

CAUCASUS—BELLADONNA—DISEASES AND PESTS

- Belladonna peste in the western Caucasus. V. F. Paili. Zashch. rast. ot vred. i bol. 4 no. 5:54-55 S-O '58.

CAUCASUS—EARTHQUAKES

- Seismic energy in the Caucasus isthmus 1912-1958 [with summary in German]. E. I. Blus. Trudy Inst. geofiz. AN Gruz. SSR 20:59-74 '62.

CAUCASUS—ETHNOLOGY

- Akademlin nauk SSSR. Institut etnografii. [Peoples of the Caucasus] Narody Kavkaza. Pod red. B. A. Gardanova i dr. Moskva, Izd-vo Akad. nauk SSSR, (Narody mira. Etnograficheskie ocherki) Vol. 2. 1962. 687 p.

CAUCASUS—GAS, NATURAL—PIPELINES

- Construction beyond the clouds. A. Drabkin. NTO 4 no. 12:45-48 D '62.

CAUCASUS—GEOMORPHOLOGY—MAPS

- Principles and methods for preparing a geomorphological map of the European U. S. S. R. and the Caucasus on a 1:2,500,000 scale. M. V. Karandeeva, Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:32-36 N-D '62.

CAUCASUS—GLACIAL EPOCH

- Ancient glaciations of the Caucasus and their correlation with the glaciation of East. N. V. Dumitrasheko and others. Trudy Kom. chetv. per. 19: 170-180 '62.

CAUCASUS—HISTORY

- Germany's violation of the Brest Treaty in the Caucasus, March-October, 1918 [with summary in English]. D. Z. Mutagirov. Vest. LGU 17 no. 20:147-153 '62.

CAUCASUS—MARTENS

- Some age characteristics in the morphology of pine and stone martens of the Caucasus [with summary in English]. L. S. Rinev. Zool. zhur. 41 no. 11:1731-1738 N '62.

CAUCASUS—MORAINES

- Synchronization of plastic and microplastic finite moraines of the last phase of glacier retreat in the Caucasus. S. L. Kushov. Trudy Kom. chetv. per. 10:181-193 '62.

CAUCASUS—ORE DEPOSITS

- Caucasian ore belts; All-Union conference at Baku, V. I. Smirnov. Vest. AN SSSR 33 no. 1:110-121 Ja '63.

CAUCASUS—PETROLEUM GEOLOGY

- Upper Jurassic fractured sandstones of the Lesser Caucasus as possible oil and gas reservoirs. A. A. Alizade, G. A. Akhmedov, M. M. Zelnalov. Azerb. neft. khoz. 41 no. 8:1-4 Ag '62.

CAUCASUS—SEASIDE RESORTS

- Lotyshev, I. P. [The azure coast of the Caucasus] Izvestiya i berog Kavkaza. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1962. 283 p.

CAUCASUS—SEISMOLOGY

- General averaged hodographs of the Caucasus. E. A. Dzhiladze, O. D. Gotsadze. Trudy Inst. geofiz. AN Gruz. SSR 20:75-89 '62.
- Some problems in the development of the net of seismic stations in the Caucasus. A. D. Tskhakia. Trudy Inst. geofiz. AN Gruz. SSR 20:135-142 '62.

CAUCASUS—SUNSHINE

- Necessity of calculating the duration of sunshine in mountains when building resorts. V. A. Belinskii. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 8:164-170 '62.

CAUCASUS—WORLD WAR, 1939-1945

- Zav'jalov, A. S., and T. E. Kallidin. [Collapse of operation "Edelweiss." Proval operatsii "Edel'vols." Moskva, Voenizdat, 1962. 146 p. (Gerolicheskie proshloe nashel Rodiny)

CAUCASUS, NORTHERN—FLYSCH

- Lithologic alternation of carbonaceous flysch as revealed by the studies in the northwestern Caucasus. V. A. Grossgeim. Izv. vys. ucheb. zav. i gos. i razv. 5 no. 9:3-15 S '62.

CAUCASUS, NORTHERN—GEOLOGY, STRUCTURAL

- Tectonic structure of the upper Aserikchay and Akhyn-dzhachay Valleys in the light of new data. T. Ab. Gassenov. Uch. zap. AGU. Geol.-geog. ser. no. 6:43-50 '61.

CAUCASUS, NORTHERN—GRAIN

- Production volume on grain producing state farms of the Northern Caucasus. P. F. Gushvin. Dokl. TSKHA no. 50:107-118 '59.

CAUCASUS, NORTHERN—IRON ORES

- Distribution of some elements in Jurassic sedimentary iron ores of the Northern Caucasus. A. A. Korzhenevskii. Uch. zap. SGU 65:115-118 '59.

CAUCASUS, NORTHERN—LEAD ORES

Mineral composition of ores and features of location of ores in two deposits of lead and zinc. A. P. Mansurovskii, E. I. Savenkova. Izv. vyz. ucheb. zav.; geol. i razv. 5 no. 10:83-94 O '62.

CAUCASUS, NORTHERN—LOCUSTS

Biology of the grasshoppers *Bradypterus multituberculatus* F.-W. and *Oncotus laxmanni* Pall. (Orthoptera, Tettigonidae) in the steppes of Ciscaucasia. S. M. Fedorov. Ent. obozr. 41 no. 4:751-762 '62.

CAUCASUS, NORTHERN—ROCKS, IGNEOUS

Early manifestations of the Jurassic volcanism in the northwestern Caucasus. M. G. Lomko, M. L. Somlin. Vest. Mosk. un. Ser. 4: Geol. 17 no. 6:44-54 N-D '62.

CAUCASUS, NORTHERN—ZINC ORES

Mineral composition of ores and features of location of ores in two deposits of lead and zinc. A. P. Mansurovskii, E. I. Savenkova. Izv. vyz. ucheb. zav.; geol. i razv. 5 no. 10:83-94 O '62.

CAUSATION

Causality in contemporary field theory. D. I. Blokhintsev. Atom. energ. 14 no. 1:105-109 Ja '63.

CAVE FAUNA see subdivision under Crimea

CAVES see subdivision under Sharan District

CAVITATION

Cavitation near the hub and pressure fluctuations in a turbine draft pipe. I. V. Kotenev, K. K. Shal'nev. PMTF no. 2:59-71 Mir-Ap '62.

Effect of the wall on the collapsing of cavitation hollows [with summary in English]. G. A. Khoroshov, Inzh.-fiz. zhur. 6 no. 1:59-65 Ja '63.

The scale factor in cavitation erosion. K. K. Shal'nev. PMTF no. 4:121-129 Ji-Ag '62.

CAYOLINIDAE, FOSSIL see subdivision under Aral Sea region

CELL NUCLEI

Ribonucleotides of the cell nucleus. G. P. Georgiev. Usp. sovr. biol. 54 no. 3:285-308 N-D '62.

CELLOPHANE

Method for determining the glycerol content of a cellophane film. I. P. Aleksandrovich, G. N. Kuritsina. Khim. volok. no. 6:57 '62.

CELLS

Negative surface tension as a factor in the stabilization of biological structures. O. M. Poltorak. Zhur. fiz. khim. 36 no. 12:2777-2780 D '62.

Virus and a cell. V. Zhdanov. Nauka i zhytiia 12 no. 11: 28-29 N '62.

CELLULOSE

Effect of the nature of solvent on the reaction of cellulose with nitrogen dioxide [with summary in English]. V. N. Kaputskii, M. M. Pavlichenko, I. N. Ermolenko. Vysokom. soed. 5 no. 1:75-78 Ja '63.

Formation mechanism of cross links in cellulose hydrate fibers. L. S. Gerasimova, A. B. Pakshver. Khim. volok. no. 6:22-25 '62.

Photooxidation of cellulose [with summary in English]. O. B. Zapol'skii. Vysokom. soed. 5 no. 1:68-70 Ja '63.

Synthesis of new derivatives of cellulose. Part 22:

Synthesis of chlorocellulose and its conversion products. Preparation of amino and nitrile cellulose [with summary in English]. A. I. Polnikov, Z. A. Rogovin. Vysokom. soed. 5 no. 1:11-17 Ja '63.

Synthesis of new derivatives of cellulose. Part 24:

Synthesis of graft copolymer of cellulose with polyacrylonitrile and study of its properties [with summary in English]. Sun' Tun (Sun Tung), Li Zhuf (Li Jui), Z. A. Rogovin. Vysokom. soed. 5 no. 1:18-23 Ja '63.

-viscosity preparations of carboxymethylcellulose stabilizing weighted clay muds. M. Z. Pinkel'ts, others. Izv. vyz. ucheb. zav.; nef' i gaz. 5 '62.

CEMENT

Factors determining the strength of glass cement. IU. Biriukovich, K. Biriukovich. Stroitel'nikh, 10 no. 8:35-37 Ag '62.

Gypsum-cement binding materials based on local cement. A. A. Morova, IU. A. Spesivtsov, V. S. Raakopin. Stroitel'nikh, 8 no. 12:25-26 D '62.

Soveshchaniye po khimii i tekhnologii tsementa, Moscow, 1961. [New developments in the chemistry and technology of cement] Novoe v khimii i tekhnologii tsementa; trudy. Moskva, Gosstroizdat, 1962. 205 p.

CEMENT—STORAGE

Manufacture of reinforced concrete rings for silos in which to store cement. N. E. Vashchenko. Transp. stroit. 12 no. 12:45-46 D '62.

CEMENTATION (METALLURGY)

Thermocementation method of coating aluminum with lead alloys containing a small amount of silver. O. A. Khan. TSvet. met. 35 no. 9:41-43 S '62.

CENSORSHIP see subdivision under Argentina

CENTRAL AMERICA—POLITICS AND GOVERNMENT

Letters to the editor. Lillian Jimenez. Zhen. mira no. 2: 6 '62.

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL BLACK EARTH REGION—IRON AND STEEL PLANTS

Metallurgical industry in the Chernozem center of Russia in the middle of the 18th century. V. I. Nedosekin. Izv. Vor. gos. ped. inst. 31:76-125 '60.

CENTRAL BLACK EARTH REGION—PHYSICAL GEOGRAPHY

"Physiogeographical regionalization of the provinces of the Central Black Earth Region," edited by F. N. Mil'kov. Reviewed by V. K. Zhuchkova. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:84-85 N-D '62.

CENTRIFUGAL PUMPS

Small centrifugal pump for corrosive media. B. I. Shatalov, M. I. Levinskii. Zav. lab. 28 no. 12:1523 '62.

CENTRIFUGAL REGULATORS see Governors (Machinery)

CENTRIFUGATION

Clarifying slurry from electrode manufacture by means of centrifugation. L. M. Poleschuk, A. V. Brazhnikova. Vod. i sn. tekhn. no. 12:15-16 D '62.

CENTRIFUGES

Oil centrifuge with electric drive for the GAZ-51 engine. G. A. Dograf, B. N. Reznikov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 12:79-86 D '62.

CEPHEIDS

The amplitude-asymmetry relation for Cepheids. I. N. Latyshev. Astron. tsir. no. 226:4-5 O '61.

Characteristics of extra-short period Cepheids. M. S. Frolov. Astron. tsir. no. 226:7-9 O '61.

Elements of the short-period Cepheid AA CMi. G. S. TSarevskii. Astron. tsir. no. 224:32 Ag '61.

Maxima of short-period Cepheids. V. G. Karatnikov. Astron. tsir. no. 225:13 S '61.

Observations of short-period Cepheids. G. A. Lange. Astron. tsir. no. 225:15-17 S '61.

Observations of short-period Cepheids. G. A. Lange. Astron. tsir. no. 227:18-21 F '62.

Period-luminosity relation for short-period Cepheids [with summary in English]. M. S. Frolov. Astron. zhur. 40 no. 1:115-117 Ja-F '63.

CERAMIC MATERIALS

(see also subdivision under Uzbekistan)

A study of the conductivity of ceramic materials. M. V. Valaman. Uch. zap. Volg. gos. ped. inst. no. 11:85-91 '59.

CERAMIC MATERIALS—TESTING

The characteristic of frost-resistance of pastes for thin tiles as revealed by direct and indirect methods of determination. L. M. Botvina, F. Kh. Tadzhiev. Sbor. nauch. trud. NII po stroit. ASIA no. 2:88-103 '61.

CERAMIC METALS

"Alloys on a base of high-melting compounds" by G. V. Samsonov, K. I. Portnoi. Reviewed by A. I. Avgustinskii. TSvet. met. 35 no. 9:94 S '62.

"Ceramic-metal hard alloys" by V. I. Tretyakov. Reviewed by V. S. Rakovskii. Vest. mashinost. 42 no. 12: 81 D '62.

Determining elastic constants for cermets at high temperatures. N. I. Valuev. Izv. vyz. ucheb. zav. mashinost. str. no. 7:244-246 '62.

Effect of cutting conditions on the quality of machined surfaces of porous ceramic-metal materials. A. I. Artyamonov. Mashinostroyeniye no. 5:32-35 S-O '62.

Introduction of rare metals into the production of highly efficient materials. V. A. Obolonchik. TSvet. met. 35 no. 9:91-92 S '62.

CERAMICS

Developing the technology of large efficient ceramic blocks. N. N. Volodina. Sbor. trud. ROSNIMS no. 19: 51-65 '61.

From the pages of foreign magazines. Stok. i ker. 19 no. 12:36-38 D '62.

"Handbook on the production of structural ceramics" edited by M. O. Iushkevich, D. N. Polubotarinov, V. L. Balkevich. Reviewed by R. L. Pavzner. Stok. i ker. 19 no. 12:39-40 D '62.

[Handbook on the production of structural ceramics] Spravochnik po proizvodstvu stroitel'noi keramiki. Moskva, Gosstroizdat.

Vol. 3. [Wall and roofing ceramics] Stenovaya i krovelnaya keramika. Pod red. M. M. Naumova i K. A. Nohratiana. 1962. 699 p.

Investigating the relation of the elasticity modulus of porcelain bodies to temperature. E. V. Basin, D. I. Levin. Trudy GIKI no. 1:68-84 '60.

Iron glazes for ceramics for façades. A. N. Froze. Sbor. nauch. trud. NII po stroit. ASIA no. 1:87-90 '61.

Kovalenko, A. F., L. L. Gorchitsyna, and G. A. Ishakova. [Effective ceramics made of easily fusible clays] Efektivnaya keramika iz legkoplavkikh glin. Ashkhabad, Izd-vo Akad. nauk Turkmen'skoi SSR, 1962. 47 p.

Mechanizing the casting of hollow porcelain products. F. D. Kashtelan. Trudy GIKI no. 1:11-24 '60.

A new method for manufacturing ceramic items with complex internal space. V. P. Samoilov. Vest. elektroprom. 34 no. 1:68-70 Ja '63.

CEREAL PRODUCTS

New classification of products obtained as a result of treating and processing grain. V. Ivanov. Muk. - elev. prom. 28 no. 12:7-8 D '62.

CEREBRAL CORTEX

Participation of mitochondria in the formation of synaptic vesicles. L. N. D'achkova, T. V. Davydova, N. K. Jakobson. Dokl. AN SSSR 147 no. 6:1467-1469 D '62.

Reaction of the adrenal cortex and lymphoid organs to extreme stimulation under conditions of cerebral cortex excitation [with summary in English]. N. S. Domidenko. Trudy Ukr. nauch. -issl. inst. ekasper. endok. 18:215-227 '61.

Role of the vagus and sympathetic nerves on the trophic effect of the cerebral cortex on the calcium content in the blood [with summary in English]. G. K. Dolnaka. Trudy Ukr. nauch. -issl. inst. ekasper. endok. 18:91-95 '61.

CEREBROSPINAL FLUID

Copper content in the cerebrospinal fluid of children with tuberculous meningitis. M. P. Lapidus. Zdrav. Bel. 8 no. 12:15-17 D '62.

CEREBROVASCULAR DISEASE

Vascular hypotonia, its form of regional stenosis of the intracranial vessels and its treatment. V. A. Smirnov. Zdrav. Bel. 8 no. 12:17-19 D '62.

CERIUM

More accurate data on the $O^{+} \rightarrow O^{0}$ transition in Ce^{140} [with summary in English]. V. A. Babalaev and others. Zhur. eksp. i teor. fiz. 43 no. 6:2019-2020 D '62.

CERIUM—ANALYSIS

Anacathene, a specific reagent for the cerium (IV) cation. A. Kh. Batalin. Izv. vyz. ucheb. zav.; khim. i khim. tekhn. 5 no. 5:845-846 '62.

CERIUM—ISOTOPES

Enrichment of radioactive solutions of cerium by the foaming method [with summary in English]. L. D. Skrylev, V. V. Puchkarev, Kol. zhur. 24 no. 6:738-741 N-D '62.

Partial fission yields of isotopes with $A=136$. A. N. Apollonova, I. T. Krut'uk, V. N. Ushatskii. Radiokhimiya 4 no. 6:711-714 '62.

CERIUM COMPOUNDS

Determination of the effective activation energy in the cathodic reduction of quadrivalent cerium in an acid medium. E. M. Shmidt, S. V. Gorbachev. Zhur. fiz. khim. 36 no. 12:2785-2788 D '62.

CERIUM NITRATE

Reciprocal influence of thorium and cerium (IV) nitrates in simultaneous extraction with tributyl phosphate. A. V. Nikolaev, IU. A. Afanas'ev. Dokl. AN SSSR 147 no. 6:1380-1381 D '62.

CERIUM OXIDE

Determination of active oxygen in peroxide compounds of cerium [with summary in English]. S. Z. Makarov, L. V. Ladejnova. Zhur. anal. khim. 17 no. 6:743-747 S '62.

CEYLON—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Ceylon: Don't interfere in our affairs! A. Nikolaev. Az. i Afr. seg. no. 1:25-28 Ja '63.

CEYLON—FOREIGN RELATIONS—CHINA

The made-up story of an Indian newspaper. Nov. vrem. 20 no. 8:22 F '63.

CEYLON—PETROLEUM INDUSTRY

Intrigues against Ceylon. III. B. Nov. vrem. 20 no. 6: 6 p. '63.

CEYLON—WOMEN

If you want to see Ceylon you have to wander through its villages. Theja Gunawardhana. Zhen. mira no. 2: 11-14 '62.

CHAIKOVSKI, PETR IL'ICH, 1840-1893

Chaikovskii, P. I. [Complete collected works; literary works and notes] Polnoe sobranie sochinenii; literaturnye proizvedeniia i perepiska. Moskva, Gos. muzykal'noe izd-vo, 1961.

IArmutovskii, B. M. [Chaikovskii's symphonies]

Simfonii Chaikovskogo. 2. Izd. Moskva, Gos. muzykal'noe izd-vo, 1961. 44 p. (Biblioteka slushatelja kontserlov) (MU)

Musik for children and about children. A. Stupel'. Doshk. vosp. 35 no. 10:76-80 O '62.

CHAIKOVSKI, PETR IL'ICH, 1840-1893—MUSEUMS, RELICS, ETC.

Chaikovskii Studio. K. Davydova. Sov. muz. 26 no. 12: 128-130 D '62.

CHAINS—VIBRATION

Theory of the vibration of chain systems. V. K. Dondoshanskii. Nauch. trudy LTA no. 94:41-52 '62.

CHAIRS

Chair attachment for cutting out mortise quarters in chair frames. M. P. Goren'kov. Der. prom. 11 no. 12:22-23 D '62.

CHALCID FLIES see subdivision under Leningrad Province

CHALCOGENIDES

Structure of glassy arsenic chalcogenides; corrections to the radial distribution curves. A. A. Valpola, E. A. Porai-Koshits. Fiz. tver. tela 5 no. 1:246-255 Ja '63.

Structure of glassy arsenic chalcogenides; glassy and crystalline states in the system $As_2Se_3 - As_2Te_3$. A. A. Valpola, E. A. Porai-Koshits. Fiz. tver. tela 5 no. 1:256-262 Ja '63.

CHALCONE—SPECTRA

Spectra and halochromy of thiophene analogs of methoxychalcones and their vinyl analogs. V. F. Lavrushin, S. V. Tsukerman, V. M. Nikitchenko. Zhur. ob. khim. 32 no. 12:3971-3977 D '62.

CHALCOPYRITE see subdivision under Ural Mountains

CHALYI, VLADIMIR EVDOKIMOVICH, 1905-1902

Chalyi, Vladimir Evdokimovich. Masl. -zhir. prom. 28 no. 12:42 D '62.

CHANG PING-LIN, 1890-1936

"The class nature of Chang Ping-lin's ideology" by Ts'ai Shang-ssu. Abstract from "T'ieh-shi yenchiu," no. 1, '62 by S. I. Zaretukala. Sov. kit. lit. po obshchestv. naukam no. 49:1-4 '62.

CHAPAEV, VASILII IVANOVICH, 1887-1919

"Our Chapai" by V. V. Kozlov. Reviewed by G. Bazokin. Sov. voen 45 no. 1:30 Ja '63.

CHARENTS, EGHISE ABGAROVICH, 1897-1937

The "October poems" of Eghise Charents [in Armenian with summary in Russian]. S. B. Agnabulian. Int. -filol. zhur. no. 4:25-42 '62.

CHARTAK (UZBEKISTAN)—HEALTH RESORTS, WATER-ING PLACES, ETC.

Prospects of the Chartak health resort. G. Shakhov. Okhr. truda i sots. strakh. 6 no. 1:15 Ja '63.

CHARTISM

Charles Dickens and the Chartists [with summary in English]. IU. V. Kovalev. Vest. LGU 17 no. 20:99-110 '62.

CHASTUSHKI

Sen'ko, Iryhoril. [Genuine Ukrainian folklore under the Soviets; popular sayings and chastushki] Pravydyi ukrains'kyi fol'kl'or pid sovits'my; narodni prypovidky-chastivky. [Winnipeg, Novyi shliakh] 1947. 32 p. (Doshcheva biblioteka Novoho shliakhu, no. 1) (IU)

CHAVDAROV, SAVVA KHRISTOFOROVICH, 1892-1962

Savva Khristoforovich Chavdarov; obituary. Sov. pedagog. 26 no. 12:163 D '62.

CHECHEN-INGUSH A. S. S. R.—CONSTRUCTION INDUSTRY

A strong building materials and equipment production base guarantees success. A. Islamov. Sel'. stroi. 16 no. 1:4-7 Ja '62.

CHECHEN-INGUSH A. S. S. R.—GRAIN—DISEASES AND PESTS

Ground beetles as grain crop pests in the Chechen-Ingush A. S. S. R. A. K. Poltav, G. M. Erina. Zashch. rast. ot vred. i bol. 5 no. 6:20 Je '60.

CHECHEN-INGUSH A. S. S. R.—GROUND BEETLES

Ground beetles as grain crop pests in the Chechen-Ingush A. S. S. R. A. K. Poltav, G. M. Erina. Zashch. rast. ot vred. i bol. 5 no. 6:20 Je '60.

CHECHEN-INGUSH A. S. S. R.—HOME AND SCHOOL

Parent's conferences. T. Fedoseeva. Doshk. vosp. 35 no. 11:50 N '62.

CHECHEN-INGUSH A. S. S. R.—PETROLEUM GEOLOGY

Studying charred plant remains in the Dzhusurtino-Gilyakskiy region of the Chechen-Ingush A. S. S. R. by the petrographic method in the light of the carbon ratio theory. G. M. Parparova. Trudy VNIGRI no. 180:158-160 '62.

CHECHEN LANGUAGE—DICTIONARIES—RUSSIAN

Ozdoev, I. A., A. G. Maisiev, and Z. D. Dzhamalkhanov, comps. [Ingush-Chechen-Russian dictionary] Ingushko-chechenskoe-russkii slovar'. Groznyi, Checheno-Ingushskoe knizhnoe izd-vo, 1962. 212 p. (MI)

CHECKS see subdivision under Moldavia

CHEKHOV, ANTON PAVLOVICH, 1860-1904

A. P. Chekhov on the fate of the Russian woman. I. Zhuravleva. Uch. zap. Kub. gos. ped. inst. no. 37:66-83 '62.

CHEKMAKUL' REGION—KAOLIN

Developing a procedure for the manufacture of ladle brick from treated Chekmakul' kaolin and Baskul' clay. Trudy Vost. inst. ognep. no. 2:188-188 '60.

CHELATES

Catalytic activity of organic polymers. Part 3: Some regularities of catalytic activity on the chelate polymers of various chemical composition and structure. N. P. Kefer and others. Kin. i kat. 3 no. 5:680-690 S-O '62.

Catalytic activity of organic polymers. Part 4: Catalytic activity of chelate polymers in the reaction of hydrogen peroxide decomposition. N. P. Kefer, M. G. Troitskaya, E. G. Rukhadze. Kin. i kat. 3 no. 5:691-697 S-O '62.

CHELATES—SPECTRA

Analysis of the structure of certain chelate compounds by the electron paramagnetic resonance method. B. V. Lokshin and others. Izv. AN SSSR, Ser. fiz. 27 no. 1: 75-77 Ja '62.

CHELEKEN PENINSULA—OZOCERITE

Some characteristics of the distribution of oil and ozocerite in the Cheleken Peninsula. S. Khanov. Trudy Inst. geol. AN Turk. SSR 3:159-172 '60.

CHELEKEN PENINSULA—PETROLEUM GEOLOGY

Some characteristics of the distribution of oil and ozocerite in the Cheleken Peninsula. S. Khanov. Trudy Inst. geol. AN Turk. SSR 3:159-172 '60.

CHELYABINSK—ECONOMIC CONDITIONS

Don't stop searching for hidden potentialities. A. Biludenov. Komsum. zhizn' no. 23:5-8 D '62.

CHELYABINSK—MACHINERY INDUSTRY

An order displayed at the timekeeper's office. IA. Sukhov. Sov. profsoyluz 10 no. 1:19 Ja '63.

CHELYABINSK—MOTOR VEHICLES—SOCIETIES, ETC.

How we promote self-support. N. Andrianov. Za rut. 20 no. 12:26 D '62.

CHELYABINSK—RAILROADS—SAFETY MEASURES

Fiftieth anniversary of a beloved work. B. Mal'kov. Okhr. truda i sots. strakh. 6 no. 1:14 Ja '63.

CHELYABINSK—TRACTOR INDUSTRY

Every worker should get a plan of technological development. IA. Bukhman. NTO 4 no. 11:24-25 N '62.

Working more today means having more tomorrow. IA. R. Bukhman. Mashinostroitel' no. 12: 4-5 D '62.

CHELYABINSK—TRACTORS—PAINTING

Mechanization and improvement of tractor painting in the Chelyabinsk Tractor Plant. E. I. Megalinski. Lakokras. mat. i kh. prim. no. 5:74-77 '62.

CHELYABINSK—WELDING—TECHNOLOGICAL INNOVATIONS

Welding innovator's day in Chelyabinsk. O. A. Bakshi, V. M. Solovskoi. Svar. proizv. no. 7:41 Ji '62.

CHELYABINSK PROVINCE—APPLE BREEDING

Apple breeding at the Chelyabinsk Fruit and Vegetable Experiment Station. P. A. Zhavoronkov. Agrobiologiya no. 6:838-842 N-D '62.

CHELYABINSK PROVINCE—CROPS AND CLIMATE

Skovronskaya, A. E., and N. D. Stapanov. [Weather and crops] Pogoda i pseyevy. [Chelyabinsk] Cheljabinskoe knizhnoe izd-vo, 1962. 102 p. (DNAL)

CHELYABINSK PROVINCE—RURAL PLANNING

These villages did not exist before. G. Dvernikov. Sel'. stroi. 15 no. 4:13-14 Ap '60.

CHEMICAL APPARATUS

Nauchno-tekhnicheskaya konferentsiya po obmeny opytom konstruirovaniia, izgotovleniia i ekspluatatsii emalirovannoi khimicheskoi apparatury. Leningrad, 1957. [Emalied chemical apparatus] Emalirovannaya khimicheskaya apparatura; materialy. Pod nauchnoi red. V. V. Vargina i V. M. Tsmelia. Moskva, Goskhimizdat, 1959. 183 p. [MICROFILM]

CHEMICAL BONDS

Chemistry of polyene and polyacetylene compounds. Report No. 3: Paths in the synthesis of polyene dicarboxylic acids with an even number of double bonds and polyene dicarboxylic acids. B. G. Kovalev and others. Izv. AN SSSR, Otd. khim. nauk no. 1:145-152 '63.

Effect of temperature on the intensity of valence vibrations of the C-H bonds of certain simple alcohols in the liquid and solid states [with summary in English]. I. N. Khalimonova. Ukr. fiz. zhur. 7 no. 5:483-491 My '62.

Electron paramagnetic resonance spectra of γ -irradiated multiple-bond compounds. V. I. Smirnova, D. N. Shigorin, T. S. Zhuravleva. Izv. AN SSSR, Ser. fiz. 27 no. 1:78-80 Ja '63.

Formation mechanism of cross links in cellulose hydrate fibers. L. S. Gerasimova, A. B. Pakshver. Khim. volok. no. 6:22-25 '62.

Synthesis of organosilicon compounds with a Si-C-N bond. V. B. Losev, M. F. Borisov. Zhur. ob. khim. 33 no. 1:258-260 '63.

Theoretical estimates of the bond breaking energy in solid polymers. A. I. Gubanov, A. D. Chavychelov. Fiz. tver. tela 5 no. 1:91-95 Ja '63.

CHEMICAL ELEMENTS

Origin of chemical elements. D. A. Frank-Kamenetskii. Dosh. such. fiz. no. 6:94-126 '62.

Origin of chemical elements. D. A. Frank-Kamenetskii. Khim. v shkole 17 no. 6:3-15 N-D '62.

Periodic system of elements becomes, apparently, unrecognizable already at the depth of a hundred kilometers. D. N. Trifonov. Nauka i zhizn' 20 no. 11:95-97 N '62.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

Jointly without keys used in the chemical machinery industry. D. D. Rabinin. Mashinostroenie no. 6:11-13 S-O '62.

CHEMICAL INDUSTRIES

(see also subdivision under Latvia; Moscow; Saratov Province)

Fulfilling the decisions of the November Plenum of the Central Committee of the CPSU. Zhur. ob. khim. 33 no. 1:1-IV '63.

Toward new progress of "large-scale chemistry." Khim. volok. no. 6:1 '62.

CHEMICAL INDUSTRIES—EQUIPMENT AND SUPPLIES

Spectral apparatus for automatic control and regulation in the chemical industry (survey). V. A. Nikitin. Zav. lab. 28 no. 12:1407-1504 '62.

CHEMICAL LABORATORIES—EQUIPMENT AND SUPPLIES

Mounting laboratory equipment on stands. V. A. Zaitsev. Khim. v shkole 17 no. 6:67-68 N-D '62.

CHEMICAL MODELS

Application of the similitude method in chemical kinetics [with summary in English]. A. G. Usmanov, R. I. Magarra. Zhur. fiz. khim. 36 no. 12:2680-2686 D '62.

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Three-dimensional planning in the design of alkyl resin production shops. IA. I. Stal'. Lakokras. mat. i kh. prim. no. 5:56-64 '62.

CHEMICAL REACTION—CONDITIONS AND LAWS

Singular thermodynamic points of reversible chemical reactions. Part 2: Methods for determination of the coordinates of the singular points [with summary in English]. A. V. Voronov. Zhur. fiz. khim. 36 no. 12: 2583-2600 D '62.

CHEMICAL REACTION, RATE OF

Application of the similitude method in chemical kinetics [with summary in English]. A. G. Usmanov, R. I. Magarra. Zhur. fiz. khim. 36 no. 12:2680-2686 D '62.

Linearization of the differential equations for the kinetics of reversible chemical reactions [with summary in English]. I. F. Bakhrueva, A. F. Krylov. Zhur. fiz. khim. 36 no. 12:2650-2656 D '62.

Rate constants and mechanism of reactions of oxygen atoms with ethylene, propylene, and isobutylene. L. I. Avramenko, R. V. Kolesnikova, G. I. Savinova. Izv. AN SSSR, Otd. khim. nauk no. 1:36-45 '63.

Some problems of present-day chemical kinetics. V. V. Voevodskii. Kin. i kat. 3 no. 5:827-832 S-O '62.

CHEMICAL STRUCTURE

Study of the structure of chemical compounds by nuclear magnetic resonance spectra. Report No. 2: Determination of the structure and conformation of some substituted cyclopentenones. V. F. Bystryy and others. Izv. AN SSSR, Otd. khim. nauk no. 1:86-74 '63.

CHEMICAL STRUCTURE (Continued)

Unsaturation of trimethylene ring and its conjugation with multiple bonds. P. A. Gembitskii, R. I. A. Levina. Vest. Mosk. un. Ser. 2: Khim. 16 [i.e. 17] no. 6:3-31 N-D '62.

CHEMICAL TESTS AND REAGENTS

Spectrometric study of reagents for the determination of indium [with summary in English]. A. K. Babko, P. P. Kish. Zhur. anal. khim. 17 no. 6:603-609 S '62.

CHEMICAL WORKERS—EDUCATION AND TRAINING

Studying the functions of control and regulation in the work of the chemical industry technician. I. E. Golomshchok. Dokl. APN no. 1:17-20 '62.

CHEMICALS—PHYSIOLOGICAL EFFECT

Dependence of the survival time of aquatic animals upon the concentration of a chemical agent in the medium. L. N. Seravin. Trudy PBI no. 18:149-160 '62.

CHEMICALS—TOXICOLOGY

"Adaptation" and sensitization to some new industrial chemical substances. A. A. Kanarevskaya. Toks. nov. prom. khim. veshch. no. 4:187-190 '62.
Toxicology of a group of new substances used in the production of synthetic materials in the aniline dye industry and others. A. A. Kanarevskaya. Toks. nov. prom. khim. veshch. no. 4:3-8 '62.

CHEMISTRY—AUDIO-VISUAL AIDS

Models of atoms and molecules in the educational process. L. M. Sof'ina. Khim. v shkole 17 no. 6:54-57 N-D '62.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—EXPERIMENTS

(see also subdivision under Bulgaria)

Electrolyte for the preparation of metallic sodium. S. V. Vasil'ev, A. D. Cherkashin. Khim. v shkole 17 no. 6: 65-66 N-D '62.

Experiments on chemical chromium plating and cobalt plating. L. G. Shepelev. Khim. v shkole 17 no. 6:83-84 N-D '62.

Experiments with atomic hydrogen. M. N. Kondukhov, V. S. Polosin. Khim. v shkole 17 no. 6:63-65 N-D '62.
Preparation of mineral fertilizers. T. P. Fedorenko. Khim. v shkole 17 no. 6:84 N-D '62.

School experiments on chemical transformation of methane. S. Mizera, I. Kogoutkova. Khim. v shkole 17 no. 6:79-82 N-D '62.

CHEMISTRY—HANDBOOKS, MANUALS, ETC.

[Chemist's handbook] Spravochnik khimika. 2. izd., perer. i dop. [ited. kollektiva; B. P. Nikol'skii i dr.] Leningrad, Goskhimizdat.
Vol. 1. [General tables. Structure of substances. Properties of the most important substances. Laboratory techniques] Obshchye svoystva. Stroenie veshchestva. Svoystva vyzneshnikh veshchestv. Laboratornaia tekhnika. 1962. 1070 p.
Gorenovskii, I. T., I. U. P. Nazarenko, and E. F. Nekrich. [Concise handbook of chemistry] Kratkiy spravochnik po khimii. Kiev, Izd-vo Akad. nauk USSR, 1962. 650 p.

CHEMISTRY—STUDY AND TEACHING

Chemical games; role of games in teaching and education. A. Malin. Uch. zap. Kuib. gos. ped. inst. no. 37:60-65 '62.

Geology as a local basis for the work of chemical clubs in eight-year schools. A. A. Ryvkina. Khim. v shkole 17 no. 6:57-62 N-D '62.

Interrelation between reasoning and physical action during independent experimental work of students. D. M. Grishin. Khim. v shkole 17 no. 6:31-37 N-D '62.

Practical training in chemistry in secondary schools. K. I. A. Parmenov, I. T. Syroezhkin. Khim. v shkole 17 no. 6:25-31 N-D '62.

Practical work in chemistry should correspond to the curriculum of the faculty. V. A. Bogomaz. Vest. vys. shkoly 20 no. 12:65-66 D '62.

Sample norms for grading students' knowledge in chemistry. Khim. v shkole 17 no. 6:22-24 N-D '62.

Studying some chemical problems in schools. I. P. Adamovich. Khim. v shkole 17 no. 6:37-40 N-D '62.

CHEMISTRY—TEXTBOOKS

"Chemistry" by A. D. Smirnov, G. I. Shelinskii. Reviewed by V. S. Khaikov and others. Khim. v shkole 17 no. 6:85-91 N-D '62.

Examining the trial textbook of chemistry for eight-year schools. V. I. Levashov. Khim. v shkole 17 no. 6:40-46 N-D '62.

CHEMISTRY, ANALYTICAL

Basic problems of development of analytical chemistry. V. A. Nazarenko, I. M. Korenman. Zav. lab. 28 no. 12: 1411-1413 '62.

Ebulliometric and cryometric determination of the degree of purity of organic compounds and eutectics. W. W. Swietoslowski. Zhur. fiz. khim. 36 no. 12: 2790-2793 D '62.

[New developments in the field of chemical analysis in sanitary engineering] Novoe v oblasti sanitarno-khimicheskogo analiza; raboty po promyshlennosanitarnoi khimii. Moskva, Medgiz, 1962. 283 p.

Preparation of new hydroxyflavone dyes and their analytical properties. A. P. Golovina, A. E. Martirosov. Vest. Mosk. un. Ser. 2: Khim. 16 [i.e. 17] no. 6:64-65 N-D '62.

"Principles of analytical chemistry (qualitative and quantitative analysis)" by A. P. Kreschov. Reviewed by I. S. Mustafin, A. I. Cherkasov. Zhur. anal. khim. 17 no. 6:773-774 S '62.

Use of the graphic method for determining acidity. B. F. Kafka, R. G. Zobeva. Khleb. i kond. prom. 6 no. 12:9-10 D '62.

CHEMISTRY, ANALYTICAL—CONGRESSES

International Symposium on Analytical Chemistry. I. P. Altnarin, R. P. Laetovskii. Zhur. anal. khim. 17 no. 6:775-776 S '62.

CHEMISTRY, ANALYTICAL—QUANTITATIVE

Babko, A. K., and I. V. Platinitskii. [Quantitative analysis] Kolichestvennyi analiz. Izd. 2., perer. i dop. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 507 p.

CHEMISTRY, FORENSIC

Chromatographic variant for the fractional detection, isolation and determination of bismuth in the forensic chemical analysis of cadaveric material [with summary in English]. Apt. dezo 12 no. 3:41-47 My-Je '62.

CHEMISTRY, METALLURGIC

Chemism of the process and composition of solid phases formed by the interaction of aluminum and sodium fluorides. M. N. Smirnov. TSvet. met. 35 no. 9:61-67 S '62.

Using gaseous reducing agents for the transformation of zinc sulfate to zinc oxide. A. K. Evdokimova, K. I. Mal'cev. TSvet. met. 35 no. 9:38-40 S '62.

CHEMISTRY, METALLURGIC—EQUIPMENT AND SUPPLIES

Special equipment and apparatuses for the production of titanium tetrachloride. B. R. Osipov. Tita i ego splavy no. 8:266-272 '62.

CHEMISTRY, ORGANIC

Tomnikova, T. I. [Course in the theoretical principles of organic chemistry] Kurs teoreticheskikh osnov organicheskoi khimii. Izd. 2., perer. i dop. Leningrad, Goskhimizdat, 1962. 948 p.

CHEMISTRY, ORGANIC—STUDY AND TEACHING

Discussing V. P. Garkunov's article. N. I. Avdunin. Khim. v shkole 17 no. 6:51-53 N-D '62.

Methods of studying the topic "Alcohols." V. F. Skobelev. Khim. v shkole 17 no. 6:46-50 N-D '62.

Study of alcohols in a course of organic chemistry. A. V. Sokolova. Khim. v shkole 17 no. 6:47-48 N-D '62.

Studying the topic "Alcohols" in secondary schools. S. I. Kovach. Khim. v shkole 17 no. 6:50-51 N-D '62.

CHEMISTRY ORGANIC—SYNTHESIS

Synthesis of entering materials by the method of cyclic condensation of aromatic hydrocarbons in presence of AlCl₃. K. P. Medvedev, V. M. Potropolskaya. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:202-207 N-D '62.

CHEMISTRY, PHYSICAL AND THEORETICAL

Effect of overlapping integral on the spectrum of local electronic states in the adsorption and contact of two crystals. V. M. Tapilin. Kin. i kat. 3 no. 5:708-711 S-O '62.

Study of the adsorption of gases in the presence of surface states. V. D. Sutila, A. P. Zelf. Kin. i kat. 3 no. 5:698-703 S-O '62.

CHEMISTRY, TECHNICAL

Beakov, S. D., ed. [Principles of chemical technology] Osnovy khimicheskoi tekhnologii; posobie dlia studentov pedagogicheskikh institutov [By] S. D. Beakov i dr. Izd. 2., lepr. i dop. Moskva, Uchpedgiz, 1962. 406 p.

Man of a winged thought. H. Mordel'. Nauka i zhytiia 12 no. 7:15-16 Ji '62.

Principal tasks of modern chemical technology. N. M. Zhavoronkov. Vest. AN SSSR 33 no. 1:32-37 Ja '63.

CHERDYN DISTRICT—MINERAL WATERS

Heating springs in the cis-Ural region. I. E. Zaikind, A. A. Oborin, I. N. Shestov. Priroda 52 no. 1:117-118 '63.

CHERKASSY PROVINCE—CORN (MAIZE)—DISEASES AND PESTS

Dusting seeds. B. I. Rogozhinskii. Zashch. rast. ot vred. i bol. 5 no. 5:28 My '60.

CHERKASSY PROVINCE—WIREWORMS—EXTERMINATION

Dusting seeds. B. I. Rogozhinskii. Zashch. rast. ot vred. i bol. 5 no. 5:28 My '60.

CHERNIAEV, IL'IA IL'ICH, 1893-

I. I. Cherniaev; on his 70th birthday. Izv. AN SSSR. Otd. khim. nauk no. 1:3 '63.

CHERNIGOV PROVINCE—BEANS

Growing forage beans in the forest-steppe zone of the Ukraine [with summaries in English, German, and French]. V. I. Dan'ko. Vest. sel'khoz. nauk 7 no. 8: 10-20 My '62.

CHERNIGOV PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

Fedorov, A. F. [Underground Province Committee in action] Podpolnyi obkom deistvuet; literaturnaiia zapiska. Evg. Boenlatskogo. Moskva, Sovetskii pisatel', 1962. 733 p.

CHERNIGOV PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Fedorov, A. F. [Underground Province Committee in action] Podpolnyi obkom deistvuet; literaturnaiia zapiska. Evg. Boenlatskogo. Moskva, Sovetskii pisatel', 1962. 733 p.

CHERNOVTSY DISTRICT—CORN (MAIZE)

How to account for corn ears correctly. P. G. Moskvich. Uchet i fin. v kolchoz. i sovkh. 19 no. 5:16-17 My '62.

CHERNIVTSY PROVINCE see Bukovina

CHERNYSHCHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889

Karasev, D. B. [N. G. Chernyshevskii's criticism of the Catholic and the Orthodox churches] Krytyka M. H. Chernysheva kym katolytizmu i pravoslav'iu. Kyiv, Akad. nauk URSS, 1959. 50 p.

(MH)
Nikolaev, M. P. [Seminar on Chernyshevskii] Seminari po Chernyshevskomu; uchebno-metodicheskoe posobie dlia vuzov. Moskva, Gos. uchebno-pedagog. izd-vo, 1964. 170 p.

(OU)

CHERRY FRUIT FLY—EXTERMINATION see subdivision under Crimea

CHESS

At the chess board. M. Iudovich. Obshchestv. pit. no. 12:83 D '62.

Mal'kova, I. L. [Chess; fundamentals of the theory] Shakhmaty; osnovy teorii. Izd. 2., perer. i dop. Moskva, Gos. izd-vo det. lit-ry, 1960. 391 p. (Shkol'naiia biblioteka)

(NN) (OCI)
A Russian chess genius. A. A. Lilitent'. Sov. prof. soiuzy 10 no. 24:42 D '62.

CHESS—TOURNAMENTS

Chess tournament. Znan. ta pratsia no. 11:31 N '62.
Chess tournament. Znan. ta pratsia no. 12:28 D '62.
One against everybody. IU. Averbakh. Znan. aila 37 no. 11:46-47 N '62.

CHESS PROBLEMS

In leisure hours. Nauka i zhytiia 12 no. 10:62-63 O '62.

Two problems on a chessboard. Nauka i zhytiia 28 no. 11:69 N '62.

CHIATURA—MANGANESE ORES

Nitric acid treatment of manganese carbonate ores of the Chiatura Deposits. Kh. G. Partskadze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:143-151 '62.

CHIATURA REGION—MINE ROOF BOLTING

Using rod bolting in Chiatura mines. I. I. Zurabishvili, S. A. Khvichia. Gor. zhur. no. 5:27-28 My '62.

CHICK-PEA—DISEASE AND PEST RESISTANCE

Susceptibility of chick-pea varieties to the Ascochyta disease. L. N. Bushkova. Zashch. rast. ot vred. i bol. 5 no. 3:55 Mr '60.

CHICK-PEA—DISEASES AND PESTS see subdivision under Rostov Province

CHICKEN-MITE

Functional anatomy of the mouthparts of the chicken mite Dermanyssus gallinae Redl, 1874 (Gamasoidea, Dermanyssidae) [with summary in English]. IU. P. Legutenko. Ent. oboz. 41 no. 4:827-838 '62.

CHILD STUDY

(see also subdivision under Canada; Moscow)
Akademiia pedagogicheskikh nauk RSFSR, Moscow. Inzhut defektologii. [Mental development of deaf children and those with normal hearing; comparative analysis] o psikhicheskoi razvitiu glukikh i normal'no slyshashchikh detei; sravnitel'nyi analiz. Pod red. I. M. Solov'eva. Moskva, Izd-vo APN RSFSR, 1962. 370 p.

Chamber with a homogeneous optical medium for studying the nervous activity in children. A. M. Fonarev. Vop. psikh. 8 no. 4:133-137 Ji-Ag '62.

"Child psychology" by D. B. El'konin. Reviewed by V. K. Kotyrla. Rad. shk. 41 no. 12:66-67 D '62.

Differentiation of the forms of objects by small children. L. A. Venger. Dokl. APN no. 2:75-80 '62.

Effect of manual training classes on the joint activity of signal systems in students. B. M. Kurbatov. Dokl. APN no. 2:123-127 '62.

CHILD STUDY (Continued)

- Effect of manual training classes on the unconditioned and conditioned reflexes in students. K. S. Poltova, Dokl. APN no. 2:119-122 '62.
- Positive and negative emotions in small children. O. Kul'chits'ka. Doshk. vykh. 23 no. 10:41-43 O '62.
- Role of kinesthetic and visual control in the performance of movements by medium school-age children. K. E. Khomenko. Dokl. APN no. 2:85-88 '62.
- The tot became a student. L. Aidarova. Sem'ia i shkola 17 no. 9:4-6 S '62.

CHILDREN

- About Mashen'ka. A. Braude. Doshk. vosp. 35 no. 11:55-59 N '62.
- A child asks for the floor. A. Levshin. Sem'ia i shkola 18 no. 1:5-6 Ja '63.
- Children's friendship. N. Elisea. Sem'ia i shkola 18 no. 1:20-21 Ja '63.
- Let's meet the New Year! Sem'ia i shkola 17 no. 12:34 D '62.
- Little ballerinas. S. Leonova. Sem'ia i shkola 17 no. 11:22-23 N '62.
- A man is growing. O. Lavrova. Sem'ia i shkola 17 no. 8:6-10 S '62.
- Psychological prerequisites for teaching children elementary reading and writing. D. Nikolenko. Doshk. vykh. 23 no. 12:3-8 D '62.
- We love our children and care for them. Rab. i shkol. 38 no. 5:2 of cover-1 My '62.

CHILDREN—CARE AND HYGIENE

- Blagoveshchenskiy, G. K. [Personal hygiene and resistance of preschool children] Lichnaya gigiena i zakalivanie doshkol'nika. Moskva, Medgiz, 1962. 47 p. (Sovety roditeliam) (DNLM)
- Bright tomorrow for world children. L. Cherkashskaya. Sov. Kras. krest 12 no. 4:20-21 Ji-Ag '62.
- The child is recovering. V. Kudriavtseva. Sem'ia i shkola 17 no. 11:46-47 N '62.
- Diary of a mother (continuation). Sov. Kras. krest 12 no. 4:29 Ji-Ag '62.
- Editor's mail. N. M. Pincuk. Doshk. vykh. 23 no. 10:44 O '62.
- "Health and joy for our children" by E. Konus. Reviewed by E. Fuks. Doshk. vykh. 23 no. 12:41 D '62.
- Is it harmful to remove tonsils? I. Zinov'ev. Sem'ia i shkola 17 no. 8:46-47 S '62.
- Solrina, V. P. [What you should know about building up children's resistance] Chto nado znat' o zakalivanii detei. Moskva, Medgiz, 1962. 19 p. (Sovety roditeliam) (DNLM)
- [Strengthen the health of the student] Ukreplenie zdorov'ya shkol'nika; kniga dlia roditeliei. Moskva, Medgiz, 1962. 182 p. (DNLM)
- Tallinn. Epidemiologiya, mikrobiologiya i higiena. Tezisy i uchebnye zadaniya. Konferentsiya 3d. 1960. [Reports of the Third Scientific Conference of the Tallinn Scientific Research Institute of Epidemiology, Microbiology, and Hygiene] Sbornik dokladov. Tallinn, 1961. 318 p.

CHILDREN—DISEASES

- Disorder and restoration of the morphology and function of the liver in children suffering from cirrhosis. S. S. Vnuk, A. P. Tomashchuk. Sbor. trud. Inst. khir. AMN SSSR no. 1:100-122 '62.

CHILDREN—EMPLOYMENT

- Protection of juvenile labor. E. I. Nemirovskii. Lea. khoz. 15 no. 11:80-82 N '62.

CHILDREN—HOSPITALS see subdivision under Lipetsk

CHILDREN—LANGUAGE

- Conference on the formation and development of language in preschool children. H. Heiko. Doshk. vykh. 23 no. 12:42-43 D '62.
- Development of speech. A. Kluva, N. Erokhina. Doshk. vosp. 35 no. 10:47-52 O '62.
- How I taught six-year-old children the elements of reading and writing. M. Zhachko. Doshk. vykh. 23 no. 12:27-34 D '62.
- Khrattsov, M. E. [How to prevent and eliminate voice and speech defects in children] Kak predupredit i ustranit' nedostatki golosa i rechi u detei. Moskva, Izd-vo Akad. pedagog. nauk, 1962. 86 p. (Knigi dlia roditeliei)
- Preparatory period for instruction in reading and writing. O. Leshchenko. Doshk. vykh. 23 no. 12:8-13 D '62.
- Teaching the elements of reading and writing in a preparatory group. I. Domina, M. Mar'ko. Doshk. vykh. 23 no. 12:22-27 D '62.
- We struggle for purity of language. E. Bazhutina. Doshk. vosp. 35 no. 9:86-88 S '62.
- Working with tots on the development of speech. G. I. Iamina. Doshk. vosp. 35 no. 10:32-38 O '62.

CHILDREN—LAW

(see also subdivision under Mexico)

- Faculty of the legal protection of children. V. Gulevich, Z. Samoshina. Sem'ia i shkola 17 no. 9:16 S '62.
- Personal matters. A. Vaksberg. Sem'ia i shkola 18 no. 1:19-20 Ja '63.

CHILDREN—MANAGEMENT

(see also subdivision under United States)

- Beauty is the sister of morals. O. V. Sysoeva. Rad. shk. 41 no. 12:52-55 D '62.
- Chapters from a textbook on pedagogics. Sov. pedagog. 26 no. 12:73-128 D '62.
- Editor's mail. D. Perfil'evskaya. Sem'ia i shkola 17 no. 9:19-21 S '62.
- Inculcating independence in three-year old children. A. Osadcha. Doshk. vykh. 23 no. 10:34-38 O '62.
- Indirect effect of an ethical discussion on fifth graders. L. V. Plakina. Dokl. APN no. 1:30-42 '62.
- Individual approach to small children in inculcating independence. N. Kolpakova. Doshk. vykh. 23 no. 10:31-34 O '62.
- Organization of a children's collective and an individual approach. A. N. Kolesnikova. Doshk. vosp. 35 no. 9:65-69 S '62.
- Organizing a children's collective. N. I. Bilokon'. Rad. shk. 41 no. 12:27-29 D '62.
- Purposefulness in the planning of educational work. V. G. Bobrova. Nach. shkola 30 no. 12:66-73 D '62.
- Self-control is the most important factor. K. A. Nepomniashchaya. Rab. i shkol. 38 no. 12:17 D '62.
- "Sintama." N. Kraevaya. Sem'ia i shkola 17 no. 9:28-28 S '62.
- Stubborn child. B. Dits. Doshk. vosp. 35 no. 10:90-100 O '62.
- Tomorrow you will be a man: a discussion on the moral education of children. Beatrice King. Nabliha Ben Mlad. Zhen. mira no. 9:16-17 '62.
- The way to inculcate responsibility. Sem'ia i shkola 17 no. 11:22-24 N '62.
- We and our older children. V. Mikhailova. Sem'ia i shkola 17 no. 12:4-7 D '62.
- Will and the lack of it in students. N. Talyzina. Sem'ia i shkola 18 no. 1:7-9 Ja '63.

CHILDREN—MEDICAL EXAMINATIONS

- Organization of dispensary observation for children with blood diseases. V. N. Lebedev. Vop. okh. mat. i det. 7 no. 9:75-78 S '62.

CHILDREN—NUTRITION

- Why does a child have a bad appetite. G. Fabrikant. Doshk. vosp. 35 no. 10:66-72 O '62.
- "Your child has no appetite either?" L. Zorina. Doshk. vosp. 35 no. 10:100-102 O '62.

CHILDREN—SLEEP

- How does your tot sleep? N. Elisea. Sem'ia i shkola 17 no. 11:45-46 N '62.
- When the alarm clock rings... R. I. Arkad'eva. Zdravov'e 8 no. 12:24 D '62.

CHILDREN—SURGERY

- Postoperative hyperthermic syndrome in children. N. C. Georgiu. Zdravookhranenie 5 no. 3:29-33 My-Je '62.

CHILDREN, DEAF

- Akademika pedagogicheskikh nauk RSFSR, Moscow. Institut defektologii. [Mental development of deaf children and those with normal hearing; comparative analysis] O psikhicheskoi razviti glukhikh i normal'no slysashchikh detei; sravnitel'nyi analiz. Pod red. I. M. Solov'eva. Moskva, Izd-vo APN RSFSR, 1962. 370 p.

CHILDREN AS ACTORS

- Holiday for everybody. N. Karpinskaya. Doshk. vosp. 35 no. 11:75-78 N '62.

CHILDREN AS ARTISTS see subdivision under Moscow

CHILDREN IN AGRICULTURE

(see also subdivision under Pravdinsk District)

- Into the young naturalists' gem box. IUn. nat. no. 1:20-21 Ja '63.
- Running start. L. Kalibysheva. IUn. nat. no. 12:1-2 D '62.

CHILDREN IN ART

- Album "Two childhoods." Nar. obr. no. 1:80a-86d Ja '63.

CHILDREN'S CLOTHING

- Child martyrs of fashion. Gillette Ziegler. Zhen. mira no. 5:25-28 '62.

CHILDREN'S CLUBS

(see also subdivision under Dzerzhinsk, Gorkiy Province; Moscow)

- Who has the keys to success? G. Veis. Sem'ia i shkola 17 no. 12:33 D '62.

CHILDREN'S ENCYCLOPEDIAS AND DICTIONARIES

- "Children's encyclopedia." Reviewed by M. Borisov. Sem'ia i shkola 17 no. 9:46 S '62.

CHILDREN'S ILLUSTRATED BOOKS see Illustrated books, Children's

CHILDREN'S LIBRARIES see Libraries, Children's

CHILDREN'S LITERATURE

(see also subdivision under Czechoslovakia)

- Books in the older group. L. Nikol'skaya. Doshk. vosp. 35 no. 11:31-33 N '62.
- Children's friends. A. Klukvina. Doshk. vosp. 35 no. 11:67-69 N '62.
- Children's literature. Aleksei Tolstol. Sem'ia i shkola 18 no. 1:16 Ja '63.
- "From authors to Pioneers." Reviewed by O. Grudtsova. Sem'ia i shkola 17 no. 11:40-41 N '62.
- Let's have more good books for children. V. Nazova and others. Doshk. vosp. 35 no. 10:105-113 O '62.
- Literature for tots. N. Knrptinskaya. Doshk. vosp. 35 no. 10:27-31 O '62.
- This shapes the personality. N. Bolarskaya. Doshk. vosp. 35 no. 11:69-72 N '62.
- Word from a writer. I. Karpenchenko. Sem'ia i shkola 17 no. 12:8-11 D '62.

CHILDREN'S LITERATURE—BIBLIOGRAPHY see Bibliography—Children's literature

CHILDREN'S LITERATURE, UKRAINIAN

- Iurvyeh, F. Kh., and V. S. Savenko, comps. [Ukrainian children's literature; a chrestomathy of critical materials] Ukrains'ka dytacha literatura; khrestomatini krytychnykh materialiv. Posibnyk dlia pedagogichnykh instytutiv. Kyiv, Radnans'ka shkola, 1962. 311 p.

CHILDREN'S MUSEUMS

- Our museum dedicated to Il'ich. S. Baev. Nar. obr. no. 1:88-89 Ja '63.

CHILDREN'S PERIODICALS

- Twenty-fifth anniversary of the periodical "Sovetskii shkol'nik." M. Mironov. Sem'ia i shkola 17 no. 11:21-22 N '62.

CHILDREN'S PLAYS, WHITE RUSSIAN—PRESENTATION, ETC.

- Our ways and paths. Ul. Stel'makh. Nar. osv. no. 11:70-74 N '62.

CHILDREN'S POETRY

- Poetry as a means of education. T. Gronyko. Doshk. vosp. 35 no. 11:33-35 N '62.

CHILDREN'S SONGS

- "Song book" by V. Kuklova'kaya. Reviewed by H. Troian. Doshk. vykh. 23 no. 11:45 N '62.

CHILE—WOMEN AND PEACE

- Oiga Poblete, the International Lenin Peace Prize winner. Maria-Luisa Vincenzini. Zhen. mira no. 10:16-17 '62.

CHILE—STUDENTS

- Our travel in Europe. Luis Cardenas. Vsem. stud. nov. 10 no. 1:21-23 Ja '62.

CHIMERAS (BOTANY)

- Structure of the leaves of sectorial chimerical shoots in poplars. A. E. Vasil'ev. Bot. zhur. 47 no. 11:1661-1666 N '62.

CHIMKENT—CONSTRUCTION INDUSTRY—MANAGEMENT

- The collective's commandment is to build more, better and cheaper. N. Kon'ko. Nar. khoz. Kazakh. 20 no. 10:73-74 O '62.

CHIMKENT—COTTON MANUFACTURE—TECHNOLOGICAL INNOVATIONS

- We are practicing economy in all sections. N. Kisterova. Nar. khoz. Kazakh. 20 no. 10:29-30 O '62.

CHIMKENT—SOVIETS

- It isn't just your "supplementary" position. Kh. Dzhanabekov. Sov. deput. trud. no. 1:61-63 Ja '63.

CHIMKENT PROVINCE—ECONOMIC CONDITIONS

- A review of the periodicals of the fraternal Soviet Republics. Komm. Mold. 7 no. 11:75-78 N '62.

CHIMKENT PROVINCE—POLITICS AND GOVERNMENT

- "We disapprove of such methods for the examination of organizational problems." Sov. deput. trud. no. 6:78 Je '62.

CHINA—AERIAL SPORTS

- Sport of brave people in People's China. V. Sysoev. Kryl. rod. 14 no. 1:21-22 Ja '63.

CHINA—CANKER (PLANT DISEASE)

- Citrus cancer caused by Xanthomonas citri and its control. R. S. Kolod'ko. Zashch. rast. ot vred. i bol. 5 no. 7:48 Ji '60.

CHINA—CITRUS FRUITS—DISEASES AND PESTS

- Citrus cancer caused by Xanthomonas citri and its control. R. S. Kolod'ko. Zashch. rast. ot vred. i bol. 5 no. 7:48 Ji '60.

CHINA—DESCRIPTION AND TRAVEL

- Trip to China. N. Shimanov. Mest. prom. i khud. promysl. 3 no. 11:37 N '62.

CHINA—ENTOMOLOGY—PERIODICALS

"Entomological knowledge" [in Chinese]. Nos. 3-6, 1959. Reviewed by V.V. Akhontov. *Zashch. rast. ot vred. i bol.* 5 no. 5:54 My '60.

CHINA—FEUDALISM

"Some features of feudal socioeconomic formation in China" by Hu Ju-lei. Abstract from "Lishih yenchiu," no. 1, '62 by V.I. Kudrin. *Sovr. kit. lit. po obshchestv. naukam* no. 49:30-49 '62.

CHINA—FOREIGN RELATIONS—CEYLON

The made-up story of an Indian newspaper. *Nov. vrem.* 20 no. 8:22 F '63.

CHINA—HISTORIOGRAPHY

"A discussion of some problems of Chinese historiography." Abstract from "Lishih yenchiu," no. 2, '62 by V.A. Rubin. *Sovr. kit. lit. po obshchestv. naukam* no. 49:50-53 '62.

CHINA—HISTORY

"Conflicts within the ruling classes and social struggle in the early T'ang period" by Wu Ta-sh. Abstract from "Hsin chien shu," no. 1, '62 by V.I. Kudrin. *Sovr. kit. lit. po obshchestv. naukam* no. 49:59-67 '62.

"The nature of the Ta shun state established by Li Tz'u-ch'ang" by Sun Tso-min. Abstract from "Hsin chien shu," no. 3 '62 by V.I. Kudrin. *Sovr. kit. lit. po obshchestv. naukam* no. 49:21-25 '62.

"Real nature of the uprising led by Sun En and Lu Hsin" by Hsieh T'ien-yu. Abstract from "Hsin chien shu," no. 3, 1962 by V.I. Kudrin. *Sovr. kit. lit. po obshchestv. naukam* no. 49:26-30 '62.

CHINA—KAOLIN

Studying certain properties of 4 specimens of kaolin from the Chinese People's Republic. N.V. Golubeva, R.I. Rozenberg. *Trudy GIKI* no. 1:60-67 '60.

CHINA—LAKES

Utilization of lakes. Ma Hsiang-yung. *Nauka i zhytiia* 12 no. 10:48 O '62.

CHINA—PEASANT UPRISINGS

"The reasons for peasant uprisings in the late Ch'in period and their historical role" by Ho Ch'ang-ch'un. Abstract from "Lishih yenchiu," no. 6, '61 by V.I. Kudrin. *Sovr. kit. lit. po obshchestv. naukam* no. 49:31-37 '62.

"T'ientai historians have discussed the history of Chinese peasant wars." Abstract from "Lishih yenchiu," no. 1, '61 by S.I. Zaretkaia. *Sovr. kit. lit. po obshchestv. naukam* no. 49:16-20 '62.

CHINA—PLANT DISEASES—PERIODICALS

"Acta phytopathologica sinica" [in Chinese]. Vols. 1-5, 1955-1959. Reviewed by M.N. Rodigin. *Zashch. rast. ot vred. i bol.* 5 no. 1:58-59 N '60.

CHINA—RELIGION—EXHIBITIONS AND MUSEUMS

Akademiia nauk SSSR. Muzei istorii religii i ateizma. [The religion of China; a guidebook] Religiiia Kitais; spravochnik-putevoditel'. Leningrad, Izd-vo Akad. nauk SSSR, 1960, 62 p. (NIC)

CHINESE ACTORS see Actors, Chinese

CHINESE LANGUAGE—ORTHOGRAPHY

"General principles of the simplification of Chinese orthography" by Chen Yieh. Abstract from "Hsin chien shu," no. 2, '62 by T.N. Kholmovaia. *Sovr. kit. lit. po obshchestv. naukam* no. 49:125-131 '62.

CHINESE POETRY—HISTORY AND CRITICISM

"History of Chinese poetry" [in Chinese]. Reviewed by T.N. Kholmovaia. *Sovr. kit. lit. po obshchestv. naukam* no. 49:109-125 '62.

CHIRCHIK—ATHERM—STUDY AND TEACHING

Skillful management of the propaganda of scientific atheism. D. Usmanov. *Komm. Uz.* 34 no. 11:44-50 N '62.

CHIRCHIK—FERTILIZER INDUSTRY—TECHNOLOGICAL INNOVATIONS

Technological progress are the wings of the seven-year plan. *Part. zhizn'* [Uzb.] 5 no. 11:34-35 N '62.

CHIRKEY HYDROELECTRIC POWER STATION—LIME-STONE—TESTING

Deformation characteristics of Chirkey limestones. N.I. Kirichenko, I.U. T. Danielian, B.V. Maitutkin. *Gidr. stroi.* 33 no. 12:18-22 D '62.

CHISTOPOL'—SHIPS—MAINTENANCE AND REPAIR

We shall justify the confidence. R. Garifova. *NTO* 4 no. 8:11-12 S '62.

CHISTOYE—SOVIETS

"Lesorgorsk and Chistoye." *Sov. deput. trud.* no. 9:79-80 S '62.

CHITA PROVINCE—COMMUNIST YOUTH LEAGUE

Bureaucracy must be expelled from the committee! T. Petrova. *Komsom. zhizn'* no. 23:13-14 D '62.

CHKALOV PROVINCE see Orenburg Province

CHKALOVSK DISTRICT—COLLECTIVE FARMS—INCOME DISTRIBUTION

Improving wages on collective farms growing flax; using the example of collective farms in Chkalov District, Gorkiy Province. V.K. Merzlov. *Dokl. TSKHA* no. 75: 265-273 '62.

CHKALOVSK DISTRICT—FARM MECHANIZATION

Improve the work of local farm mechanization agencies. I. Razumovskii. *Ekon. sei'khoz.* 33 no. 12:72-74 D '62.

CHLORAL

Action of chloral on alkyl esters of p-chlorophenyl-, p-isopropylphenyl-, and o-naphthylphosphinous acids. G.Kh. Kamal and others. *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 5 no. 5:750-762 '62.

CHLORELLA

On a new simplified method of synchronizing chlorella cultures. K.S. Spektorov, E.A. Lin'kova. *Dokl. AN SSSR* 147 no. 4:967-969 D '62.

CHLORINATION

Chlorination of calcium metatitanate. V.A. Roznichenko, V.P. Solomakha. *Titan i ego splavy* no. 8:89-97 '62. Chlorination of titanium slugs in comparable conditions by 100% chlorine and chlorine-air mixture. V.A. Okaluzov, A.N. Zotikova. *Titan i ego splavy* no. 8: 98-100 '62.

Maximum temperature of the chlorination process in an electric stack furnace. N.V. Galitskii. *Titan i ego splavy* no. 8:101-113 '62.

CHLORINE

Determining sodium pentachlorophenolate content of paperboard by means of the conductometric titration of the chlorine ion. T.L. Volina. *Trudy VNIIB* no. 47:112-121 '61.

CHLOROGENIC ACID

Conversions of chlorogenic acid and the resistance of potato tubers to Phytophthora infestation. V.E. Sokolova. *Biokhim. pl. i ovoshech.* no. 7:96-114 '62.

CHLOROPHOS

Using chlorophos against trunk pests of poplar. H.O. Tymchenko. *Vienyk sil'noep. nauky* 5 no. 12:90-92 D '62.

CHLOROPHYLL

Magnetic and optical properties of chlorophyll adsorbed on capron. L.I. Nekrasov, N.I. Kobozov, G.G. Komissarov. *Vest. Mosk. un. Ser. 2:Khim.* 16 [i.e. 17] no. 6:36-38 N-D '62.

CHLOROPHYLL—SPECTRA

Electron paramagnetic resonance of adsorbed chlorophyll. L.I. Nekrasov. *Vest. Mosk. un. Ser. 2:Khim.* 16 [i.e. 17] no. 6:73-74 N-D '62. Light-induced electron paramagnetic resonance signals in chlorophyll in the crystalline state and its infrared spectra. V.E. Kholmogorov, A.N. Sidorov, A.N. Terenin. *Dokl. AN SSSR* 147 no. 4:954-957 D '62.

CHLOROPICRIN

Chloropicrin in controlling the potato nematode. V.I. Belokur'skaya. *Zashch. rast. ot vred. i bol.* 4 no. 5: 48 S-O '59.

Fall soil disinfection against potato wart. Kh. V. Sazonik. *Zashch. rast. ot vred. i bol.* 4 no. 5:49 S-O '59.

CHLOROPRENE

Properties of latexes obtained with the use of nonionic stabilizers. Part I: Properties of polychloroprene latexes as dependent on the type of stabilizer, pH of the medium, and the presence of electrolytes [with summary in English]. R.M. Panich and others. *Koll. zhur.* 24 no. 6:733-737 N-D '62.

CHLOROPRENE—THERMAL PROPERTIES

Temperature resistance of the nairit rubber and chlorosulfonated polyethylene. I.T. Gridunov, S.F. Priakhina, N.I. Astrakhantseva. *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 5 no. 5:821-825 '62.

CHLOROPROMAZINE

Effect of aminazine on the metabolism of lipids. I.A. Rykovskaya. *Zdrav. Kazakh.* 22 no. 7:56-59 '62.

CHLOROPROMAZINE—TOXICOLOGY

Experimental study of aminazine as an industrial poison. G.N. Zayeva, V.I. Fedorova. *Toks. nov. prom. khim. i veshch.* no. 4:144-168 '62.

CHLORTETRACYCLINE

Investigating biocyclin losses in the filtration of culture liquids. T.M. Drazhner, Z.K. Ashkinazi, T.I. Bashlovkina. *Khar. prom.* no. 4:50-51 O-D '62.

CHOICE (PSYCHOLOGY)

Reaction pattern of man on test problems presenting the acceptance of one of two possible solutions. Report No. 2. Analysis of errors from the point of view of information theory. V.A. Bodrov, A.A. Genkin, G.M. Zarakovskii. *Dokl. APN* no. 2:98-102 '62.

CHOLESTEROL METABOLISM

Changes in cholesterol metabolism in cattle theileriasis. M.A. Alizade. *Trudy Azer. nauch. i teol. vet. inst.* 13: 234-237 '62.

CHONDRIOSOMES see Mitochondrion

CHRISTIAN ETHICS—CONTROVERSIAL LITERATURE

Sidorov, D.I. [Christianity and ethics] *Khrisťianstvo i nraivennost'*. [Moskva] Mosk. rabochii, 1962, 102 p.

CHRISTIAN LIFE

Paxson, Bith. [Rivers of living water, how obtained, how maintained; studies setting forth the believer's possessions in Christ. Translated from the English] *Reki vody zhivoi, kak ikh obrzati - kak sokhraniti*; *issledovaniia slova Bozhiu po voprosu o bogatstve slavnogo nasledia, vo Khriste; Issuse dlia voruit-shego*. 3. izd., peream. i dop. [Paris, Russkoe evangel'skoe dvizhenie, 1949]. 132 p. (NNC)

CHRISTMAS

Origin of the Christmas holiday. *Nach. shkola* 30 no. 12:87-89 D '62.

CHROMAN

Pyran, its analogs and related compounds. Part I: Derivatives of 4-aminochroman. V.A. Zogorevskii, N.V. Dubykina. *Zhur. ob. khim.* 32 no. 12:3830-3834 D '62.

CHROMATOGRAPHIC ANALYSIS

Chromatographic determination of impurities of C₄ hydrocarbons in the methane-hydrogen fraction. I.E. Tutupov. *Zav. lab.* 28 no. 12:1430-1431 '62.

Chromatographic partition and quantitative determination of nitrophenols in air. I.B. Kogan, I.P. Vasil'eva. *Zav. lab.* 28 no. 12:1428-1429 '62.

Chromatographic study of the alkaloid composition of the leaves and galenic preparations from *Scopolia himalaica* [with summary in English]. *Apk. delo* 12 no. 3: 21-25 My-Je '62.

Chromatographic variant for the fractional detection, isolation and determination of bismuth in the forensic chemical analysis of cadaveric material [with summary in English]. L.M. Vlasenko. *Apk. delo* 12 no. 3:41-47 My-Je '62.

Measurement of the activity of the components of complex mixtures of organic substances containing carbon-14. L.P. Firsova, M.P. Barakat. *Radio-khimiia* 4 no. 6:740-742 '62.

CHROMATOPHORES

Role of chloroplast lipoproteids in protein synthesis. N.M. Sleskian, E.N. Bezinger, A.S. Marchukaitis. *Dokl. AN SSSR* 147 no. 6:1483-1484 D '62.

CHROMIC ACID

Removal of iron and other metallic impurities from spent chromate electrolytes. T.V. Ionatamshvili. *Trudy inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:93-104 '62.

CHROMITE

Melnikov, O.D. [What are chromites, where and how to search for them] *Chto takoe khromit, gde i kak ikh iskat'*. Izd. 2. Moskva, Gosgeol'tekhnizdat, 1962, 26 p. (Biblioteka iskatel'ia poleznykh iskopaemykh) Thermodynamics of the reduction of ferrous chromite by hydrogen. A.N. Morozov, I.A. Novokhatkii. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl.* no. 6:3-6 N-D '62.

CHROMIUM—ELECTROMETALLURGY

Formation of trivalent chromium in the process of anodic solution of ferrochromium. Dzh. F. Gvelesenti. *Trudy inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:105-110 '62.

CHROMIUM—ISOTOPES

Elastic scattering of 6.0 Mev. protons by chromium and zinc isotopes. A.K. Val'ter and others. *Dokl. AN SSSR* 147 no. 6:1325-1327 D '62.

CHROMIUM—METALLOGRAPHY

Observing dislocations in cast and deformed polycrystalline chromium. D.A. Prokoshkin, M.P. Matveeva, I.U. M. Platon. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl.* no. 8:107-111 N-D '62.

CHROMIUM ALLOYS

Formation of trivalent chromium in the process of anodic solution of ferrochromium. Dzh. F. Gvelesenti. *Trudy inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:105-110 '62.

CHROMIUM ALLOYS—ELECTROMETALLURGY

Effect of a magnetic field on the chemical and electrochemical solution of ferrochromium in hydrochloric acid. S.N. Basmanova. *Trudy inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:117-128 '62.

CHROMIUM CATALYSTS

Role of a carrier in chromium polymerization catalysts. K.G. Miessarov. *Neftekhimiya* 2 no.5:581-587 S-O '62.

CHROMIUM COMPOUNDS

Preparation and polarographic behavior of derivatives of bis-ethylbenzenedichromium. L. N. Vertulina and others. *Zhur.ob.khim.* 33 no.1:285-290 '63.

CHROMIUM-IRON-CARBON ALLOYS

see Iron-carbon-chromium alloys

CHROMIUM-IRON-NICKEL ALLOYS

see Iron-nickel-chromium alloys

CHROMIUM-MANGANESE STEEL—BRITTLINESS

Search for a nickel-free structural steel. M.P. Braun and others. *Izv.vys.ucheb.zav.;chern.met.* 5 no.12: 123-130 '62.

CHROMIUM-NICKEL-MOLYBDENUM ALLOYS

Improving the surface of chromium-nickel-molybdenum steel sheet ingots. E.V. Abrosimov and others. *Stal* 22 no.12:1086 D '62.

CHROMIUM-NICKEL STEEL—METALLOGRAPHY

Effect of niobium and zirconium on the structure of cast austenitic steel. M.P. Braun, N.I. Mathusenko. *Izv. AN SSSR. Otd.tekh.nauk. Met.i topl.* no.6:61-69 N-D '62.

CHROMIUM-NICKEL STEEL—WELDING

Electrochemical properties of welded joints in 18-8 type steel with titanium and niobium addition alloys. G.I. Agapov, V.B. Vladimirov. *Svar.proizv.* no.7:11-12 J1 '62.

Intermetallic corrosion of welded joints in Kh18N9Ti steel. E.I. Antonovskaya. *Metalloved.i term.obr.met.* no.12:43-47 D '62.

CHROMIUM OXIDE

Titanium slags free from chromium oxide obtained from chromium-bearing iron-titanium concentrates. V.A. Reznichenko, V.I. Solov'ev. *Titan i ego splavy* no.8:22-27 '62.

CHROMIUM PLATING

Effect of the concentration of trivalent chromium and iron ions on the electrodeposition of chromium from chromate baths. L.L. Rubash. *Trudy Inst.pril.khim.i elektrokhim. AN Gruz. SSR* 3:111-116 '62.

CHROMIUM PLATING—METALLOGRAPHY

Stressed state of an electrolytic chromium plating. G.A. Kuznetsovskaya. *Metalloved.i term.obr.met.* no.12:40-43 D '62.

CHROMIUM STEEL—METALLURGY

Effect of nickel and boron on the properties of 40Kh steel. O.N. Meshcherinova. *Metalloved.i term.obr.met.* no.12:6-12 D '62.

CHROMIUM-TITANIUM-NIOBIUM ALLOYS

see Titanium-niobium-chromium alloys

CHROMONE

Derivatives of indole. Part 11; Synthesis of derivatives of thiochromone [4,3-b] indole. L.A. Aksanova, N.F. Kucherova, V.A. Zagorevskii. *Zhur.ob.khim.* 33 no.1:220-223 '63.

CHROMOPHORE NUMBERS

New forms of plants. V.P. Zosymovich. *Nauka i zhizn* 12 no.9:48 S '62.

CHROMOSOMES

Androgenesis in amphibia. N.N. Rott. *Usp.sovr. biol.* 54 no.3:355-365 N-D '62.

Human chromosomal embryopathies. V.P. Efrolinson. *Vest. AMN SSSR* 17 no.11:41-50 '62.

Laws governing the inheritance of experimentally induced functional changes in giant chromosomes. N.B. Khristolubova, N.Z. Zagorskaya, R.M. Volkova. *Dokl. AN SSSR* 147 no.6:1473-1475 D '62.

CHRONAXIA

Role of the adrenal gland receptors in changes of motor chronaxia [with summary in English]. V. Markova, N.M. Turubiner. *Trudy Ukr.nauch.-issl. inst. eksp. endok.* 18:231-236 '61.

CHRONIC DISEASES

see subdivision under Izhevsk

CHU VALLEY—SOIL ABSORPTION

Absorption of ammonia nitrogen and its translocation in meadow Sierozem soils in the Chu Valley using supplementary nitrogen fertilizers for sugar beets combined with furrow irrigation. L.L. Dachevskii. *Izv. Klr. fil. Vses.ob-va pochy.* no.1:65-72 '62.

CHU VALLEY—SUGAR BEETS—FERTILIZERS AND MANURES

Absorption of ammonia nitrogen and its translocation in meadow Sierozem soils in the Chu Valley using supplementary nitrogen fertilizers for sugar beets combined with furrow irrigation. L.L. Dachevskii. *Izv. Klr. fil. Vses.ob-va pochy.* no.1:65-72 '62.

CHUCKS

Center mandrel. E.I. Mel'nikov. *Stan.i instr.* 33 no.12:36 D '62.

Dividing chuck used in milling. I.S. Zaitsev, I.M. Liud-mirekii. *Mashinostroenie* no.5:109 S-O '62.

CHUGUNOV, KONSTANTIN VASIL'EVICH, 1902-

Honorary workers of the synthetic fibers industry. Konstantin Vasil'evich Chugunov. *Khim.volok.* no.6:77 '62.

CHUKCHI NATIONAL AREA—ECONOMIC CONDITIONS

The former "land of white silence" has been changed. A.D. Nalegryne. *Sov.deput.trud.* no.6:42-44 Je '62.

CHUKCHI NATIONAL AREA—SOCIAL CONDITIONS

[A day in the Chukchi National Area] Den' Chukotki. [Mogadan] *Madanganskoe knizhnoe izd-vo*, 1962. 125 p.

CHUKCHI PENINSULA—STONE RIVERS

"Stone flowers" in the Chukchi Peninsula. V.I. Klenov. *Vest. Mosk.un. Ser.5:Geog.* 17 no.6:78 N-D '62.

CHURCH AND STATE

At a governmental reception. *Zhur. Mosk. Patr.* no.11: 3 N '62.

Deacons of the Presidium of the Supreme Soviet of the U.S.S.R. on the decoration of His Holiness Patriarch Alexii with the Order of the Red Banner of Labor. *Zhur. Mosk. Patr.* no.11:3 N '62.

CHUVASHES

Chuvashen, P.V. Denisov, V.I. Kozlov. *Sov.etn.* no.6: 105-110 N-D '62.

CHUVASHIA—BRONZE AGE

The "wooden log" culture of southern Chuvashia. N.I.A. Merpert. *Mat. i issl. po arkheol. SSSR* no.111:7-21 '62.

CIMMERIAN BOSPORUS (KINGDOM)—ANTIQUITIES, GREEK

Archaeological excavations in Cepl in 1960. N.I. Sokol'skii. *Krat. soob. Inst. arkheol.* no.91:83-91 '62.

Archaeological excavations of the Cepl necropolis in 1959-1960. N.P. Sorokina. *Krat. soob. Inst. arkheol.* no.91:93-106 '62.

CIMMERIAN BOSPORUS (KINGDOM)—GRAIN, FOSSIL

Materials on agriculture from the archaeological excavations of ancient settlements in the Bosphorus. A.V. Kir'ianov. *Krat. soob. Inst. arkheol.* no.91:92-97 '62.

CINEMATOGRAPHY

see Motion-picture photography

CIRCUITS, BRIDGE

see Bridge circuits

CIRCULAR SAWS

Effect of forging on the dynamic stability of circular saw blades. G.I. Uzelovich. *Nauch. trudy LTA* no.94:53-63 '62.

Sturdy circular saw with set-in teeth. IU. A. TSukanov. *Der.prom.* 11 no.12:26-27 D '62.

CIRRHOSIS OF THE LIVER

see Liver—Cirrhosis

CITIES AND TOWNS

see subdivision under Adzharia; United States

CITIES AND TOWNS—STATISTICS

see subdivision under Great Britain

CITIES AND TOWNS, RUINED, EXTINCT, ETC.

see subdivision under Andizhan District; Tigrashevo

CITRUS FRUITS

Improvement in the low-temperature resistance of citrus plants. Z.N. Laderin. *Subtrop. kul't.* no.1: 43-50 '62.

CITRUS FRUITS—DISEASES AND PESTS

see subdivision under Adzharia; China; Georgia; Krasnodar Territory

CITY PLANNING

(see also subdivision under Darkhan, Mongolia; Dnepropetrovsk; Great Britain; Moscow; Soligorsk; Ul'yanyovsk; Uzbekistan; Yalta)

Akademiya stroitel'stva i arkhitektury SSSR. Institut gradostroitel'stva i regional'noy planirovki. [City and regional planning] *Gradostroitel'stvo i regional'naya planirovka*; *sozdaniye i perspektivy razvitiya*. Pod red. V.A. Mikvarikova. Moskva, Gosstroiizdat, 1962. 142 p.

"The distribution of housing construction in cities." Reviewed by G. Frumkin. *Zhil.stroi.* no.2:32 '62.

For the integrated building of residential areas. *Zhil.stroi.* no.10:1-2 '62.

The Institute of City Planning. E.B. Sokolova. *Izv. ASIA* 4 no.4:133-134 '62.

Integrated design and the appraisal of a project in micro-district planning. P. Kovalenko. *Zhil.stroi.* no.10: 27-29 '62.

Problems of planning and developing industrial and residential areas near large hydroelectric plants. V. Musatov. *Arkhiv. SSSR* no.12:28-33 '62.

The role of the architect in industrial construction.

I. Zaitchenko. *Stroi. i arkhit.* 10 no.12:11-12 D '62.

Seismology in problems of city planning. V.O.

TShekher. *Trudy FTI Turk. fil. AN SSSR* no.1:29-35 '49.

Spacing of buildings for sanitary purposes in building development of hillside. I.A. Kanaev. *Zhil.stroi.* no.12:27 '62.

Urgent objectives of design in creating the material and technical foundation of communism. *Zhil.stroi.* no.12:1-2 '62.

Using aerial photography layouts and model outline drawings in design. B. Makhan'ko. *Stroi.* 18 no.1:14 Ja '62.

CIVIL DEFENSE

Teach everyone! N. Velfichko. *Voen.znan.* 39 no.1:35-36 Ja '63.

CIVIL ENGINEERING—COLD WEATHER CONDITIONS

Russia (1923- U.S.S.R.) *Gosudarstvennyi komitet po delam stroitel'stva.* [Recommendations for controlling ice formation] *Rokomentatsii po bor'be s naledami.* Utr. Gos. komitetom Soveta Ministrov RSFSR po delam stroitel'stva 23 Iyunia 1962.g. Moskva, Gosstroizdat, 1962. 41 p.

CIVIL LAW

"Soviet civil law." Part 1. Reviewed by O.S. Ioffe and others. *Izv.vys.ucheb.zav.;prav.* 4 no.4:161-166 '62.

Theoretical problems concerning the codification of the civil laws of the Union Republics. E.A. Fleishits, A.L. Makovskii. *Sov.gos.i pravo* 33 no.1:70-81 Ja '63.

CIVIL PROCEDURE

(see also subdivision under Europe, Eastern)

"Basic Principles of Civil Procedure" and some problems in the preparation of the new civil procedure codes of the Union Republics. P.P. Gureev. *Sov.gos.i pravo* 33 no.2:107-109 F '63.

Implementation of foreign civil laws according to judicial assistance treaties between the U.S.S.R. and socialist countries; the problems of civil procedure. D.D. Averin. *Vest. Mosk.un. Ser.10: Pravo* 17 no.4:49-58 O-D '62.

Jurisdictional problems in the proposed civil procedure codes of the Union Republics. V. Taranenko. *Sov.iust.* no.1:14-16 Ja '63.

Legal definition of the "contesting party" in Soviet civil procedure. M.A. Vikul. *Izv.vys.ucheb.zav.;prav.* 6 no.4:103-110 '62.

Some problems of our future civil procedure code. I. Gazianta. *Sov.iust.* no.2:14-17 N '62.

CIVIL RIGHTS

Program of the CPSU on the extension of the rights and privileges of Soviet citizens during the large-scale building of communism. V.P. Putilin. *Sov.gos.i pravo* 33 no.1:63-78 Ja '63.

Theoretical problems concerning the rights of citizens in the Soviet national state. L.D. Vosvodin. *Sov.gos.i pravo* 33 no.2:12-22 F '62.

CIVILIZATION, EGYPTIAN

Egypt, the country with an old civilization. IU. Rechetov, A. Feigel. *Zhen.mira* no.9:21-24 '62.

CLADDING

see Metal cladding

CLAIRVOYANCE

Michael, Abp. of Toronto and Eastern Canada. [The spiritual world, the human soul, and parapsychology] *Dukhovnyi svet, dusha i dushnyy i parapsykholoogia.* Vyd. I. Toronto, 1961. 153 p.

CLAREN REARRANGEMENT

Claisen condensation of esters of substituted levulinic acids. G.N. Pyshkina and others. *Zhur.ob.khim.* 32 no.12:3009-3013 D '62.

CLARY

Syntheses involving sclareol. Part 7: Sclareol and 13-aposclareol from clary (*Salvia sclarea*). D.P. Pops, G.V. Lazur'evskii. *Zhur.ob.khim.* 33 no.1: 303-307 '63.

CLASSIFICATION, DECIMAL

Universal decimal classification for scientific and technical publications. *Tekh.kino i telev.* 7 no.1:85 Ja '63.

CLAY

(see also subdivision under Bug Valley; Odintsovo region, Moscow Province)

Adsorption-structural and physicochemical properties of clay hydroxide adsorbents [with summary in English]. V.S. Komarov, N.F. Ermolenko. *Koll.zhur.* 24 no.6: 709-718 N-D '62.

Colored pastes for ceramic tiles. L.I.A. Mishutovich, G.D. Sirenko. *Stek.i ker.* 19 no.12:25-27 D '62.

Role of clays in the formation of oil and gas pools. V.F. Lnetnik. *Trudy Inst.geol.pol. iskop. AN URSS* 5:26-41 '62.

Unit for making clay suspensions. Z.A. Deniskin. *Stroi.i dor. mash.* 7 no.11:28-30 N '62.

CLAY—ANALYSIS

(see also subdivision under Bakhtchisaray region)
Quantitative determination of clay minerals in artificial mixtures of thiazine dyes. V. V. Gdzellshvili. Trudy Gruz NIIGIM no. 21:219-224 '69.

CLAY—DRYING

Continuous desiccator for tile slip. A. Z. Gel'tman. Stek. i ker. 18 no. 12:30-32 D '62.
Curves of the drying of clay products in relation to their shape and level of deaeration. A. A. Toporkova. Sbor. trud. ROSNIMS no. 19:141-144 '61.
Parameters of electrophoretic desiccation of slips of pastes for colored mosaic tiles. N. K. Antonovich, T. P. Poilakova. Stek. i ker. 18 no. 12:15-18 D '62.

CLAY—ELASTIC PROPERTIES

Elastic properties of certain clays and kaolins depending on their heat treatment. E. K. Keler, Chzhan Tsin-chun' [Chang Ch'ing-ch'un]. Ogneupory 27 no. 12:557-566 '62.

CLAY—TRANSPORTATION

The problem of hydraulic transportation of clay. A. D. Gusev, I. F. Mel'nikov. Sbor. trud. NIIZhelezobeton no. 7:155-163 '62.

CLEARING OF LAND

Changes in the chemical properties of soils as the result of cleaning cutovers. N. V. Egorova, V. K. Kulikova. Trudy Kar. fil. AN SSSR no. 34:68-70 '62.
Testing herbicides against Baccharis. P. B. Alan. Zashch. rast. ot vred. i bol. 5 no. 10:25-28 O '60.

CLEARWING MOTHS—EXTERMINATION

Apple clearwing moth in the orchard of a collective farm. G. M. Levin. Zashch. rast. ot vred. i bol. 5 no. 10:54 O '60.

CLERKS (RETAIL TRADE) see subdivision under Kochubeyevskoye District; Moscow; Voronezh Province

CLIBURN, VAN, 1934-

Cliburn Competitions in Fort Worth. L. Oborin. Sov. muz. 28 no. 12:67-70 D '62.

CLIMACTERIC

Effect of hormone therapy on the content of follicle-stimulating hormone in the blood of women with a climacteric syndrome [with summary in English]. L. M. Shifman. Trudy Ukr. nauch.-issl. inst. okup. endok. 18:315-322 '61.

CLIMATE AND ARCHITECTURE see Architecture and climate

CLIMATOLOGY

(see also subdivision 'Climate' under Hungary)
Alesov, B. P., and B. V. Poltaraua. [Climatology] Klimatologiya. [Moskva] Izd-vo Mosk. univ., 1962. 225 p.

14 maps

Economic climatology. I. U. G. Saushkin. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:17-23 N-D '62.

Place of climatology in the system of geographical sciences and its current tasks. B. P. Alesov. Vest. Mosk. un. Ser. 5:Geog. 17 no. 4:3-5 JI-Ag '62.

CLIMATOLOGY, MEDICAL

Climate on order. M. Mishyn. Nauka i zhytlye 12 no. 7:49-50 JI '62.

CLOCKMAKING AND WATCHMAKING see subdivision under Moscow

CLOCKS AND WATCHES

Corrector of the movement of synchronous clocks. S. S. Tsvetigrechka. Priborostroenie no. 12:30 D '62.
Simultaneous use of integral comparisons of a quartz clock and of comparisons of its frequencies with the frequency of a molecular generator for the determination of most probable corrections for the quartz clock. L. I. Belotserkovskii. Trudy inst. Kom. stand., mer i izm. prib. no. 59:99-100 '62.

CLOTHING, COLD WEATHER—TESTING

Heat insulating properties of fur hats. B. F. Tserovitinov and others. Kozh.-obuv. prom. 4 no. 12:18-22 D '62.

CLOTHING, PROTECTIVE

(see also subdivision under Lipetsk)
Comfortable clothing for cooks. D. Kobylanaki.

CLOTHING INDUSTRY—JOB DESCRIPTIONS see subdivision under Armavir

CLOUDS

Interpretation of some results of polarimetric investigation of noctilucent clouds. Ch. Villmann. Astron. tsir. no. 226:17-21 O '61.
Jet stream clouds. A. D. Zamorski. Priroda 52 no. 1:104-106 '63.
Observations of noctilucent clouds in the North-West region of the Atlantic Ocean and in Estonia in 1961. Ch. I. Villmann. Astron. tsir. no. 225:19-21 S '61.
Periodicity of appearances of noctilucent clouds. O. B. Vasil'ev. Astron. tsir. no. 224:32-34 Ag '61.
Some data on the development of clouds over mountain ranges. O. S. Dzhamadze and others. Trudy Inst. geofiz. AN Gruz. SSR 20:237-244 '62.

CLOVER

Transformation of clover nodule bacteria [translated from the English]. G. Ljunggren. Agrobiologiya no. 6:814-816 N-D '62.

CLUBROOT

Characteristics of specific and varietal diversity of cabbage as related to its resistance to clubroot. O. S. Fedotova. Trudy po prikl. bot., gen. i sel. 31 no. 2:197-209 '67.

CLUTCHES (MACHINERY)

Determination of the dynamic characteristics of safety turboclutches. L. N. Kashtanov. Nauch. soob. IGD 14:119-133 '62.
Experimental investigation of external characteristics of a hydrodynamic clutch with discharge openings. A. A. Korotkov, N. G. Morgun. Vest. mashinostr. 42 no. 12:19-22 D '62.
High-sensitivity protection friction clutch. N. D. Verner. Mashinostroenie no. 5:114 S-O '62.
Selection of turboclutches for conveyor drives. V. M. Berman. Mekh. i avtom. v gornoi prom. no. 2:227-243 '62.
Some results of studying safety turboclutches. L. N. Kashtanov. Mekh. i avtom. v gornoi prom. no. 2:243-262 '62.
A stage with a self-exciting collector clutch. L. I. Abriutin. Izv. vys. ucheb. zav.; elektromekh. 5 no. 11:1306-1310 '62.
Study of the operating conditions of a constantly filling turboclutch with a two-speed asynchronous electric motor, relative to the operating conditions of small belts and winches. Kh. T. Alimkhodzhaev. Mekh. i avtom. v gornoi prom. no. 2:282-290 '62.

CLUTCHES (MACHINERY)—VIBRATION

Stability of uniform rotation and of the frequency of natural vibrations of a centrifugal clutch. A. T. Poletski, G. D. Esin, G. A. Zaytlov. Izv. vys. ucheb. zav.; mashinostr. no. 7:5-13 '62.

COAGULATION

Theory of electrical coagulation of spherical aerosol particles [with summary in English]. I. U. V. Shulepov, S. S. Kukhin. Koll. zhur. 24 no. 6:749-751 N-D '62.

COAL see subdivision under Donets Basin

COAL—CARBONIZATION

(see also subdivision under Kharkov)
Thermal decomposition of Tkibuli coal in a vacuum. V. G. Gegole, E. A. Tsereteli. Trudy inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:195-205 '62.

COAL—MARKETING

A practical suggestion. K. Nosolev. Part. zhizn' no. 1:60-61 Ja '63.

COAL—PRICES

Price determination in the coal industry. V. Havrysh. Ekon. Rad. Ukr. no. 6:42-46 N-D '62.

COAL—SPECTRA

Spectrochemical characteristics of the metamorphism of coal. V. I. Kashtochkin, O. I. Egorova, O. I. Gavrilova. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:192-195 N-D '62.

COAL—TESTING

Effect of slow heating by ancient intrastatal fires on the composition and properties of Fan Yagnob coal. N. M. Karavaev and others. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:106-201 N-D '62.

COAL, PULVERIZED

Automation of ball mill feeding operations using drum pressure signaling impulses. B. G. Sintakevich. Elek. sta. 33 no. 10:78-80 O '62.
Combustion mechanism of a pulverized coal torch. S. V. Bukhman. Izv. AN Kazakh. SSR. Ser. energ. no. 2:71-74 '62.
High-capacity ball mills. M. L. Kisel'gov, K. I. A. Polferov. Teploenergetika 9 no. 12:2-9 D '62.
Study of the combustion of a pulverized coal torch in a special laboratory furnace. A. B. Reznakov, E. T. Fateeva, N. V. Naitburger. Izv. AN Kazakh. SSR. Ser. energ. no. 2:83-84 '62.

Study of the operation of a conical ball mill grinding anthracite culm. L. M. Kapel'son, B. S. Karpov. Teplo-energetika 9 no. 12:9-13 D '62.

COAL, PULVERIZED—THERMAL PROPERTIES

Determination of total kinetic characteristics of the combustion of pulverized coal. B. D. Katsnel'son, I. A. Marone. Teploenergetika 10 no. 1:26-28 Ja '62.

COAL-CARRYING VESSELS

"Dzhenkoy"-type coal and ore carriers. A. S. Briker, M. N. Gavrilov, E. N. Kultashev. Sudostroenie 23 no. 10:1-3 O '62.

COAL GEOLOGY

(see also subdivision under Don Valley; Severnaya Donets; Tajikistan; Tien Shan)
Chernousov, I. A. M. [Course in the general geology of coal deposits] Kurs obshchei geologii ugol'nykh mestorozhdenii. Moskva, Gosgeoltekhizdat, 1962. 204 p.
Forms of migration of rare and dispersed elements in the coal formation process. I. P. Lomashov. Dokl. AN SSSR 147 no. 4:924-926 D '62.

COAL HANDLING MACHINERY

Vibrating loaders. A. G. Frolov. Mekh. i avtom. v gornoi prom. no. 2:128-144 '62.

COAL MINERS

(see also subdivision under Karaganda Basin)
Conquered pride. Kuz'ma Severinov. Sem'ia i shkola 17 no. 12:12-14 D '62.

COAL MINES AND MINING

(see also subdivision under Donets Basin; Karaganda Basin)
Advantages of narrow-range coal mining over wide-range and its area of use. N. A. Tishchenko. Mekh. i avtom. v gornoi prom. no. 2:21-41 '62.
Kosko, F. I., and I. M. Priakhin. [The economics, organization and planning of production in coal mines] Ekonomika, organizatsiya i planirovaniye proizvodstva na ugol'nykh shakhtakh. Moskva, Gosgortekhnizdat, 1962. 397 p.

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

(see also subdivision under Karaganda Basin; Noril'sk region)
Some results of studying safety turboclutches. L. N. Kashtanov. Mekh. i avtom. v gornoi prom. no. 2:243-262 '62.

COAL MINES AND MINING—FINANCE see subdivision under Donets Basin

COAL MINES AND MINING—JOB DESCRIPTIONS see subdivision under Kuznetsk Basin

COAL MINES AND MINING—LABOR PRODUCTIVITY see subdivision under Donets Basin; Kirghizistan

COAL MINES AND MINING—PRODUCTION STANDARDS see subdivision under Lugansk Province

COAL MINES AND MINING—RESEARCH see subdivision under Karaganda Basin

COAL MINES AND MINING—SAFETY MEASURES

Sobolev, G. G. [Developing plans for preventing accidents in coal mines] Opyt razrabotki planov likvidatsii avari i dlin ugol'nykh shakht. Moskva, Tsent. in-t tekhn. informatsii ugol'noi promyshl., 1962. 62 p. (Tekhnika bezopasnosti i gornospasatel'noe delo)

COAL MINING MACHINERY

(see also subdivision under Donets Basin; Germany, West)
Abmarchev, V. I., and K. A. Lokhanin. [PK-3 (PK-3m) cutter-loader] Prokhodcheskii kombain PK-3 (PK-3m). 2, izd., dop. i perer. Moskva, Gosgortekhnizdat, 1962. 218 p.
Concentrating and speeding up coal mining by using front-action units. N. D. Balashov. Mekh. i avtom. v gornoi prom. no. 2:58-69 '62.
Crushing coal with the working parts of mining machines. A. I. Beron, E. Z. Pozin. Mekh. i avtom. v gornoi prom. no. 2:95-107 '62.
Study of the possibility of using the radiometric method to control the distance before contact between coal and rock for purposes of automation of stopping machinery. E. S. Snagovskii, V. G. Segalin, A. A. Rudakovskii. Mekh. i avtom. v gornoi prom. no. 2:291-304 '62.

COAL PREPARATION see subdivision under Czechoslovakia; Ukraine

COAL PREPARATION PLANTS see subdivision under Dnieper Valley

COAL-TAR PRODUCTS

Mechanical removal and utilization of heavy coal-tar products. V. D. Parshin. Koks i khim. no. 12:37-38 '62.

COAST CHANGES

(see also subdivision under Caspian Sea)

Eroding away of the shores of one of the small reservoirs. N.G. Varasashvili, I.U.G. Tregubova. Trudy Gruz NIIGIM no. 21:203-208 '60.

COATS

Tsarev, N.I. [Pattern design of women outer garments] Konstruktsionnoye zhenskoi vorknoi odevzdy. Izd. 3., dop. 1 perer. Moskva, Rostekhtizdat, 1962. 271 p.

COBALT—ISOTOPES

Smeci of the gamma rays of Co⁶⁰ on aqueous solutions of mannitol. E.A. Kuzicheva, M.A. Khenokh. Zhur. ob. khim. 32 no. 12:4070-4073 D '62.

COBALT CARBONATE CRYSTALS—MAGNETIC PROPERTIES

Hexagonal anisotropy and magnetization curves of antiferromagnetic CoCO₃ [with summary in English]. J. Kaczor. Zhur. eksp. i teor. fiz. 43 no. 6:2042-2049 D '62.

COBALT HALIDES

Composition and structure of complexes in aqueous solutions of bivalent cobalt halides. S.N. Andreev, V.G. Khaldin. Zhur. ob. khim. 32 no. 12:3845-3852 D '62.

COCARBOXYLASE

Nucleotides, coenzymes, phosphoric esters. Part 2: Synthesis of cocarboxylase. V.M. Berezovskii and others. Zhur. ob. khim. 33 no. 1:40-55 '63.

COCCIDIOSIS see subdivision under Alma-Ata Province; Armenia

COCKCHAFERS

Practices in estimating the damage caused by the may beetle. P.G. Troshchin. Zashch. rast. ot vred. i bol. 5 no. 10:39-40 O '60.

COCOA

New method of obtaining cocoa powder having the properties of a processed product. B.I.A. Golant. Khleb. i kond. prom. 8 no. 12:41 D '62.

COCOA BUTTER

Lipides. Part 14: Synthesis of some triglycerides from cocoa butter. G.G. Zapesochina, N.A. Presbuzhen-skii. Zhur. ob. khim. 32 no. 12:3800-3801 D '62.

Lipides. Part 15: Synthesis of some triglycerides from cocoa butter. G.G. Zapesochina and others. Zhur. ob. khim. 32 no. 12:3901-3902 D '62.

Lipides. Part 16: Synthesis of triglycerides, constituents of cocoa butter. G.G. Zapesochina and others. Zhur. ob. khim. 32 no. 12:3903-3904 D '62.

CODLING MOTH

Methods for biological and phenological observations on the codling moth. E.E. Savdarg. Zashch. rast. ot vred. i bol. 2 no. 8:56 N-D '57.

CODLING MOTH—EXTERMINATION

(see also subdivision under Moldavia)

Methods for exterminating the pupating caterpillars of the codling moth. V.Z. Pashchenko. Zashch. rast. ot vred. i bol. 5 no. 6:27-29 Je '60.

COELENTERATA

Aru, L.H. [General biology; protozoans, sponges, coelenterates] Obshchaya biologiya; protists, gubki, kishchnopolostnye. Tartu, Tartuskii gos. univ., 1962. 30 p.

COFFEE

Economic bases for the distribution of coffee, cacao, and tea in the capitalist world. I.M. Landa. Uch. zap. Tlr. gos. ped. inst. no. 9:99-100 '60.

COFFERDAMS

Cofferdamming river beds with floating elements. I.U. A. Fishman. Gidr. stroit. 33 no. 12:10-12 D '62.

COINS, CUFIC see subdivision under Volga Valley

COINS, GREEK see subdivision under Kamenka-Dneprovskaya

COINS, MONGOLIAN see subdivision under Volga Valley

COKE

Technical progress in blast furnace practice and quality of the coke. I.S. Kagan, T.A. Otroshchenko. Met. i gornorud. prom. no. 5:8-11 '62.

COKE—TESTING

Box coking test of coal charges with the addition of blast furnace flue dust. F.A. Mustafin, N.Kh. Cherkasov, E.I. Borkutova. Koks i khim. no. 12:28-29 '62.

Improving the methodology of laboratory determining of the coking properties of coal and charge. G.K. Petrik, Sh. Sarymsakov, O. Belevov. Koks i khim. no. 12:13-16 '62.

Results of a discussion. Koks i khim. no. 12:16-17 '62.

COKE INDUSTRY

Coking of Donetsk Basin gas coals of a large screen composition. K.A. Belov and others. Koks i khim. no. 12:10-13 '62.

Increasing the capacity of existing coke oven batteries in connection with their reconstruction is an important factor in the development of the coal chemical industry. R.V. Mordukhovich, I.A. Shvartsman. Koks i khim. no. 12:18-21 '62.

COKE INDUSTRY—BY-PRODUCTS

Concerning M.I.A. Finkel's article "Modernization of the technological procedures in ammonium sulfate producing sections." L.F. Kuzmichenko, M.I. Podzolkov, V.M. Kalashnikov. Koks i khim. no. 12:37 '62.

Modernization of the technological procedures in ammonium sulfate producing sections. M.I.A. Finkel. Koks i khim. no. 12:33-36 '62.

Use of the separation water from the pyridine distillation apparatus as a reflux in the ammonium column. D.S. Petrenko. Koks i khim. no. 12:50-51 '62.

COKE INDUSTRY—EQUIPMENT AND SUPPLIES

Coke production machinery operated on the a.c. current. A.S. Rabotnikov. Koks i khim. no. 12:53-56 '62.

COKE INDUSTRY—PRODUCTION STANDARDS

Consolidated production standards and wage systems for workers of the basic coke chemical shops. N.Z. Shabadash. Koks i khim. no. 12:51-53 '62.

COKE-OVEN GAS see subdivision under Rustavi

COKE OVENS

Characteristics of large dimension coke ovens in connection with the coking of charges of Kuznetsk Basin coals. P.I. Kuperman and others. Koks i khim. no. 12:22-27 '62.

Increasing the capacity of existing coke oven batteries in connection with their reconstruction is an important factor in the development of the coal chemical industry. R.V. Mordukhovich, I.A. Shvartsman. Koks i khim. no. 12:18-21 '62.

Method of temperature measurement on the brickwork surface of the coking chamber. K.G. Kalpanov. Koks i khim. no. 12:28-33 '62.

COKE OVENS—MAINTENANCE AND REPAIR see subdivision under Lipetsk

COKING PLANTS

Architecture of coking enterprises. V. Ivanov. Arkhit. SSSR no. 12:19-22 '62.

COKING PLANTS—EQUIPMENT AND SUPPLIES

Derezhn, D.V. [Repair of the equipment of by-product coke plants] Remont kokshimicheskogo oborudovaniya. Sverdlovsk, Metallurgizdat, 1962. 237 p.

COLCHIS—DRAINAGE

Colchis as an important area in the extensive development of the Soviet subtropics. I.D. Gambrellidze. Subtrop. kul't. no. 1:1-VII '62.

Problems of drainage in the Colchis Lowland and the reclamation of drained lands [with summary in English]. A.V. Moisevich. Subtrop. kul't. no. 1:3-22 '62.

COLCHIS—RECLAMATION OF LAND

Problems of drainage in the Colchis Lowland and the reclamation of drained lands [with summary in English]. A.V. Moisevich. Subtrop. kul't. no. 1:3-22 '62.

COLCHIS—TROPICAL PLANTS

Colchis as an important area in the extensive development of the Soviet subtropics. I.D. Gambrellidze. Subtrop. kul't. no. 1:1-VII '62.

COLD STORAGE

How to reduce meat losses in refrigeration and storage. A. Sheffer. Mias. ind. SSSR 33 no. 6:27-29 '62.

COLLECTIVE FARMS

(see also subdivision under Archangel Province; Karshi Skoppe; Namangan District; Nenets National Area; Novouzensk District; Ryazansk District; Siberia; Ukraine; Uzbekistan; Zhitomir Province)

Collective farm labor resources and their utilization. M.P. Vasilenko. Dokl. TSKHA no. 75:197-200 '62.

Developing and merging the two forms of socialist property. V.M. Obukhovskii. Dokl. TSKHA no. 50: 43-53 '59.

How we struggled for the collectivization of Soviet agriculture. B. Morozov. Sov. deput. trud. no. 6:87-90 Je '62.

Improving socialist production relations in the village. A.S. Ivanov, O.V. Skripkina. Dokl. TSKHA no. 50: 23-34 '59.

On a progressive collective farm. Uchet i fin. v kolkhoz. i sovkh. 10 no. 6:32-34 My '62.

The optimum size of collective and state cotton farms and their sections. K. Larkin, A. Davydov. Komm. Uz. 34 no. 10:38-40 O '62.

Parachute canopies above collective farms. IU, Zol'tvenskii. Kryl. rod. 14 no. 1:8-9 Ja '63.

Several problems of improving socialist production relations. A.S. Ivanov. Dokl. TSKHA no. 50:35-42 '59.

The 21st Congress of the CPSU on ways to develop and merge the two types of socialist property, collective farm and public. M.V. Gamalunov. Dokl. TSKHA no. 50:6-22 '59.

Unusual seminar. A. Ivanov. Komm. zhizn' no. 21: 17-18 N '62.

We must eliminate the conditions which contribute to the pilfering of communal property on collective farms. A. Kerimov. Sots. zakon. 40 no. 1:37-39 Ja '63.

We shouldn't tolerate the overstatement of achieved results which conceals the pilfering of socialist property on collective and state farms. V. Bulargin. Sots. zakon. 40 no. 1:33-35 Ja '63.

Work is our answer to the appeal of the party. R. Ivanova. Komm. zhizn' no. 14:3-5 Ji '62.

COLLECTIVE FARMS—ACCOUNTING

(see also subdivision under Latvia; Omsk Province)

Accounting organization and apparatus. A.S. Shershinov. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:19-24 My '62.

Control over plan fulfillment. A.I. Korennaia. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:31-33 My '62.

Disseminators of progressive practice. N.L. Krasko. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:40 My '62.

Good results of a surprise inspection. I. Meshcheriakov. S. Basia. Sov. iust. no. 24:26 D '62.

How to account for corn ears correctly. P.G. Moskovich. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:16-17 My '62.

It is simpler and better. V.N. Tabashnikov. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:18-19 My '62.

Methodology of accounting for gross and net incomes. G. Romanchenko. Ekon. sel'khoz. 34 no. 1:25-37 Ja '63.

Our practice in accounting for corn silage. P.Kh. Us. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:17-19 My '62.

Preparing a list of materials. P.I. Kuprin. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:20-31, 35 My '62.

Russia (1923- U.S.S.R.) Tsentral'noe statisticheskoe upravlenie. [Accounting on collective farms changed over to monetary wages without computing workdays or to guaranteed wages based on workdays] Bukhgalterskii uchet v kolkhozakh, poroshedshikh na denezhnuu oplatu truda bez nachisleniya trudodnei ili na garantirovannuiu oplatu trudodnei. Moskva, Gosstatizdat, 1962.

What a quarterly financial report should be like. S.G. Ovtannikov and others. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:45-46 My '62.

What is new in the collective farm annual report for 1962. E.S. Vost. stat. no. 12:76 '62.

COLLECTIVE FARMS—COSTS

(see also subdivision under Tula Province)

Ways to economize on expenditures for agricultural production. Kh. Potapov, P. Zakusilo. Vop. ekon. no. 12: 60-69 p '62.

COLLECTIVE FARMS—FINANCE

(see also subdivision under Kirovograd Province; Moldavia; Perekhov District; Tula Province)

Economic efficiency of Lening Collective Farm sections. A. Bazar. Dokl. TSKHA no. 50:171-179 '59.

Indivisible funds of collective farms. G.N. Akhmedov. Uch. zap. MGPI 164:43-63 '61.

State credit is not being used as designated. V. Iudin. Sel'strot. no. 12:17-18 D '62.

COLLECTIVE FARMS—INCOME DISTRIBUTION

(see also subdivision under Brest Province; Chkalovsk District; Kalininsky District; Okhansk District; Tul'-chinsk District; Voronezh Province)

Higher wages are paid for good work and better results. Ekon. sel'khoz. 33 no. 12:44-48 D '62.

Lenta's principle of material self-interest and its role in developing collective farm production. M.F. Bunia-ov. Uch. zap. MGPI 164:3-24 '61.

Material incentives are an important condition for the development of the collective farm economy. T. Zaslavskaya. Polti. samobor. 6 no. 11:32-41 N '62.

On the problem of the organization of work and wages on collective farms. B.Kh. Grebneva. Uch. zap. MGPI 164:25-42 '61.

Strive to increase the level of guaranteed wages. M. Gromkov. Ekon. sel'khoz. 33 no. 12:48-53 D '62.

Use material incentives to increase labor productivity. A. Bolinskii. Ekon. sel'khoz. 33 no. 12:53-55 D '62.

COLLECTIVE FARMS—INTERFARM COOPERATION

(see also subdivision under Kazakhstan; Latvia; Ukraine)

Expand credit to intercollective farm construction organizations. I.P. Dzidul'skii. Uchet i fin. v kolkhoz. i sovkh. 10 no. 5:44-45 My '62.

"The forms of interfarm production contacts" by A.B. Godes. Reviewed by A. Davydov, L. Sobolevskii. Sots. zakon. 40 no. 1:95-99 Ja '63.

Results of three years of work. I. Muratov. Sel'strot. 15 no. 4:16-17 Ap '60.

COLLECTIVE FARMS—LAW AND LEGISLATION

(see also subdivision under Latvia; Moscow Province)

Democracy and a strict observance of laws on collective farms. M. Kozyr'. Sots. zakon, 39 no. 12:12-17 D '62.

House and garden plots of collective farmers. N. Borodanov. Sots. zakon, 40 no. 1:87-89 Ja '63.

COLLECTIVE FARMS—MANAGEMENT

(see also subdivision under Ashvevsky District; Derazhnya District)

Paylov, I. V. [Development of democracy on collective farms during the period of the large-scale building of communism] Razvitiye kollektivnoy demokratiy v period razvernutogo stroitel'stva kommunizma. Moskva, Gosizdat, 1962. 203 p.

What benefits are derived from efficient land utilization? G. Prudnikov, S. Karpukhin. Ekon. sel'khoz. 34 no. 1: 58-62 Ja '63.

COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES

(see also subdivision under Stavropol Territory; Uzbekistan)

Structure of administrative personnel on collective farms. V. Brodnikov. Ekon. sel'khoz. 34 no. 1:86-90 Ja '63.

COLLISIONS (NUCLEAR PHYSICS)

Collective interactions and the problem of high-temperature plasma production. E. K. Zavalaki. Atom. energ. 14 no. 1:57-65 Ja '63.

Neganyov, B. S., and O. V. Zvychenko. [Formation of π^+ -mesons in $p-p$ collisions in the range 480 to 650 MeV \times] Obrazovanie π^+ -mezonov v $p-p$ -soudareniiakh v oblasti 480-650 MeV \times . [n.d.] Ob'edinennyi in-t isslednykh issl. 1958. 17 p.

Plasma diffusion in a magnetic field caused by Coulomb collisions. S. G. Alkhanov, V. E. Zakharov, G. L. Korasnov. Atom. energ. 14 no. 2:137-142 F '63.

Production of slow π -mesons in pion-nucleon and nucleon-nucleon collisions [with summary in English]. S. M. Bilen'ki, R. M. Rydin. Zhur. eksp. i teor. fiz. 43 no. 6:2204-2207 D '62.

COLLISIONS AT SEA—PREVENTION

Passing of ships in fog. I. N. Krylov. Mor.abor. 48 no. 1:48-54 Ja '63.

COLLOIDS

Effect of the dispersity of filler and its grinding time on the physicochemical properties of polymers [with summary in English]. A. M. Smirnova and others. Koll. zhur. 24 no. 8:742-748 N-D '62.

Effect of the solid disperse phase content on the intrinsic viscosity of concentrated suspensions in a structured medium [with summary in English]. S. Kh. Zakleva and others. Koll. zhur. 24 no. 8:878-881 N-D '62.

Effect of ultraviolet radiation on the colloidal solutions of macromolecular compounds. E. M. Nanobashvili, I. G. Bakhtadze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:137-142 '62.

Interaction between mineral pigments and components of the dispersion medium studied by means of sedimentation analysis [with summary in English]. A. I. Shulova, E. M. Aleksandrova. Koll. zhur. 24 no. 8:752-754 N-D '62.

Investigation of titanium dioxide hydrosols by the cryoscopic method [with summary in English]. P. I. Medvedev, I. S. Galinker. Koll. zhur. 24 no. 8:717-720 N-D '62.

Particle shape and dimensions of colloidal solutions of cellulose esters [with summary in English]. V. I. Klenin, I. D. Rybakova, S. A. Gikman. Koll. zhur. 24 no. 8:696-701 N-D '62.

Properties of latexes obtained with the use of nonionic stabilizers. Part 1: Properties of polychloroprene latexes as dependent on the type of stabilizer, pH of the medium, and the presence of electrolytes [with summary in English]. R. M. Parich and others. Koll. zhur. 24 no. 8:733-737 N-D '62.

Temperature-frequency dependence of the dielectric parameters on nonequilibrium plastic disperse systems [with summary in English]. I. U. F. Denelga, G. V. Vinogradov, A. V. Lobanov. Koll. zhur. 24 no. 8:859-866 N-D '62.

Theory of electrical coagulation of spherical aerosol particles [with summary in English]. I. U. V. Shulopov, S. S. Dukhin. Koll. zhur. 24 no. 8:749-751 N-D '62.

COLLOIDS—DRYING

Automation of the drying of some capillary-porous colloidal materials. L. R. Leparskii. Mekh. i avtom. proizv. 18 no. 12:11-14 D '62.

COLONIES

Colonial wars in the second and third stage of the general crisis of imperialism. Mezhdunar. zhizn' 10 no. 2:143-145 F '63.

The October Revolution and the disintegration of the colonial system of imperialism. A. Mamedov. Part. zhizn' [Uzb.] 5 no. 11:9-15 N '62.

COLOR CENTERS

Formation of F-centers in KCl-KBr solid solutions. I. A. Melik-Galkasian, D. I. Valaburd. Izv. vuz. ucheb. zav. i fiz. no. 6:174-176 '62.

Shifting of the g-factor in the molecular-orbital model of an F-center. L. A. Shul'man. Izv. vuz. ucheb. zav. i fiz. no. 6:3-7 '62.

COLOR PHOTOGRAPHY

Color photography. A. Leviton. Sov. foto 22 no. 11:25-26 N '62.

COLOR SENSE

Eye and colors. A. Rykhovskiy, S. Ravikovych. Nauka i zhizn' 12 no. 9:25-26 S '62.

COLOR TELEVISION

Effect of the accuracy of color signal shaping on the quality of the image. I. U. V. Aksentov, V. S. Shumilov. Elektrosviaz' 16 no. 12:37-42 D '62.

Shmakov, P. V., ed. [Theory and practice of color television] Teoriya i praktika tsvetnogo televideniya. Moskva, Sovetskoe radio, 1962. 661 p.

COLORIMETERS

Application of the FEK-M photocolorimeter for the determination of microconcentration of oxygen in gases. V. G. Skripka, N. M. Dykhno. Zav. lab. 28 no. 12:1439-1440 '62.

COLORIMETRY

Colorimetric determination of gibberellic acid in the culture fluid of Fusarium moniliforme [with summary in English]. G. S. Muremtsev, M. N. Nestluk. Izv. AN SSSR, Ser. biol. no. 6:825-831 N-D '62.

Colorimetric determination of γ -picoline in the technical β -picoline fraction. E. M. Gepshtein. Zav. lab. 28 no. 12:1438 '62.

Colorimetric determination of total glycosides in Convalaria tincture [with summary in English]. O. K. Sivitskaya. Apt. delo 12 no. 3:38-41 My-Je '62.

Photocolorimetric determination of phenoxymethylpenicillin (penicillin V). A. F. Fursov. Apt. delo 12 no. 3:63-66 My-Je '62.

COLORS

Evening devoted to the topic "D. I. Mendeleev and Russian painting." G. N. Osokina. Khim. v shkole 17 no. 6:69-75 N-D '62.

COMA

Coma in chronic adrenal gland insufficiency [with summary in English]. D. S. Gellerman, Z. I. Tsukhno. Trudy Ukr. nauch.-issl. inst. okaper. endok. 10:244-249 '61.

COMBINES (AGRICULTURAL MACHINERY)

Automation of the SK-3 self-propelled grain harvesting combine [with summaries in English, German, and French]. L. L. Bogdanova. Vest. sel'khoz. nauki 7 no. 5:104-113 My '62.

Determination of the principal control parameters of a hydromechanical controller for loading a grain harvesting combine. G. S. Ioffe. Mekh. i elek. nots. sel'khoz. 20 no. 8:35-37 '62.

Modifying the drive of the rake of the straw feedboard. G. Rudich. Tekh. v sel'khoz. 22 no. 11:79 N '62.

One for eight. A. Leonidov. Znan. - sila 37 no. 11:32-33 N '62.

Perlov, M. N. [Grain combines] Zornovye kombainy, 2, perer. izd. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 355 p. (DNL)

Power balance of the SSh-45 self-propelled chassis [with summaries in English, German, and French]. N. E. Avdeev. Vest. sel'khoz. nauki 7 no. 11:88-97 N '62.

COMBINES (AGRICULTURAL MACHINERY)—MAINTENANCE AND REPAIR

Simple method for valve adjustment. A. Babenko. Tekh. v sel'khoz. 22 no. 11:84 N '62.

COMBUSTION

Combustion mechanism of a pulverized coal torch. S. V. Bukhman. Izv. AN Kazakh. SSR, Ser. energ. no. 2:71-74 '62.

Diffusion processes and characteristics of the ignition of gaseous mixtures by an incandescent body [with summary in English]. L. N. Khitrin. Inzh. - fiz. zhur. 6 no. 1:19-26 Ja '63.

Effect of the rate of chemical reaction on the process of combustion of a fuel drop. V. R. Kuznetsov. Inzh. zhur. 2 no. 4:344-349 '62.

The feasibility of stable combustion. R. M. Zaidel'. PMTF no. 5:80-82 S-O '62.

Hydrogen atoms in the zone of a rarefied hydrogen flame. V. N. Fandlov. Kina. i kat. 3 no. 5:843-850 S-O '62.

Possible conditions of stationary combustion. R. M. Zaidel', I. A. B. Zel'dovich. PMTF no. 4:27-32 Ji-Ag '62.

The RKF-1 device for checking the presence of a flame tongue. T. S. Bakun, V. P. Marchevskii, G. D. Sobolevskii. Avtom. i prib. no. 4:84-85 O-D '62.

Self-quenching unsaturated polyesters based on pentaerythrityl polychlorohydrins. I. M. Al'shits and others. Planet. massy no. 11:12-14 '62.

Some problems in the theory of combustion. A. M. Grishin. PMTF no. 5:75-79 S-O '62.

Study of the combustion of a pulverized coal torch in a special laboratory furnace. A. B. Reznikov, E. T. Fateeva, N. V. Nalburger. Izv. AN Kazakh. SSR, Ser. energ. no. 2:83-94 '62.

Temperature coefficient of the burning velocity of some systems. G. V. Lukashenko, A. I. Pogrebchenkov. Zhur. fiz. khim. 36 no. 12:2764-2766 D '62.

COMEDY FILMS

And now let's go to the studio. A. Gukov. Isk. kino no. 10:92-93 O '62.

Letters on comedy. Arkadii Raikin, V. Arlov. Isk. kino no. 10:91-92 O '62.

COMETS

Observations of Encke-Baldwin's comet in Abastumani. G. N. Salukvadze, I. R. Betritshvili. Astron. tsir. no. 226:3-4 O '61.

Tuttle-Giacobini-Kresak's periodic comet. Astron. tsir. no. 227:1 F '62.

COMETS—1940

Happu-Bok-Newkirk's comet (1940 IV). L. M. Delous. Astron. tsir. no. 226:2-3 O '61.

COMETS—1961

Ephemera of Humason's comet (1961 e). Astron. tsir. no. 227:1 F '62.

Humason's comet (1961 e). Astron. tsir. no. 225:2-3 S '61.

New comet (1961 d). Astron. tsir. no. 224:1 Ag '61.

Photographic observations of Wilson's comet in Ashkhabad. I. U. L. Trutnev, G. A. Nasyrov. Astron. tsir. no. 226:2 O '61.

Seki's comet (1961 f). Astron. tsir. no. 226:1 O '61.

Wilson-Hubbard's comet (1961 d). Astron. tsir. no. 225:1-2 S '61.

COMETS—1962

Observations of Seki-Lines' comet (1962) in Kiev [with summary in English]. S. K. Vakhvitskii. Astron. zhur. 40 no. 1:176-177 Ja-F '63.

COMMENCE

The International Trade Conference; an interview with M. V. Neutrov. V. Krasnopol'dni. Nov. vrem. 20 no. 4:13-14 Ja '63.

Ivanov, I. D., and I. A. Sargoev. [Patents and licenses in the international capitalist trade] Patenty i litsenzii v mezhdunarodnoi kapitalisticheskoi torgovle. Moskva, Vneshtorgizdat, 1962. 50 p.

Trade war in the capitalist world. R. Solodkin, V. Shup'krut. Nov. vrem. 20 no. 5:16-18 F '63.

COMMERCIAL AERONAUTICS see Aeronautics, Commercial

COMMERCIAL CRIMES

We should intensify our struggle against intermediate commercial deals. V. Typpol'tov, V. Sinel'nikov. Sots. zakon. 39 no. 12:28-30 D '62.

COMMERCIAL LAW

Regulations on the length of guaranty and the better quality of manufactured goods. Kh. E. Bakhchisaraliyev. Sov. gos. i pravo 33 no. 1:114-118 Ja '62.

COMMERCIAL PRODUCTS

Parkhomenko, V. G. [Introduction to manufactured goods] Vvedeniye v izucheniye promyshlennyykh tovarov. Izd. 2., dop. i perer. Moskva, Gosizdat, 1962. 142 p.

COMMONWEALTH OF NATIONS

Cox, Hilda. [Empire today. Translated from the English] Imperiya segodnya. [Pod red. I. A. Arkadaksogo]. Moskva, Izd-vo vostochnoi lit-ry, 1962. 66 p. (CU)

COMMUNICABLE DISEASES

"Problems of infectious and invasion diseases." Reviewed by P. I. Sukharov, K. M. Loban. Zdravookhraneniye 5 no. 3:63-64 My-Je '62.

COMMUNICABLE DISEASES—LAW AND LEGISLATION see Public health laws

COMMUNICATION IN MANAGEMENT

Equipment for high-frequency communication with ingot-crane operators in the roughing shop of a metallurgical plant. K. F. Antekhov, G. M. Pomin. Avtom. i prib. no. 4:57-60 O-D '62.

COMMUNISM

(see also subdivision under Poland)

Adamov, A. G. [Answering for all] Za vse v otvete. Moskva, Gospolitizdat, 1961. 30 p. (Kommunist i chelovek)

Along Lenin's road toward communism. Vop. filoz. 17 no. 1:3-14 '63.

Along the path of technological progress and overall electrification. V. I. Zimin. Elek. i teple. tizn. 6 no. 11:1-4 N '62.

Ashin, G. K., and M. Kh. Ishtikhanian. [Ideas and life] Idei i zhizn'. [Moskva] Mosk. rabochii, 1962. 70 p. (Obshchestvennaya biblioteka po filozofii)

COMMUNISM (Continued)

- "Basic principles of Marxism-Leninism; a textbook." Reviewed by A. Borisov, L. Shagov. Polit. samobor. 6 no. 11:118-124 N '62.
- Buffoons in the role of philosophers. B. Bykhovskii. Kommunist 39 no. 2:104-110 Ja '63.
- Celebration of Soviet people. Mat. v shkole no. 6:1-3 N-D '62.
- Centralization of the planning of technical policies in the electric equipment industry. Vest. elektroprom. 34 no. 1:1-3 Ja '63.
- Chkalov, M. V. [Communism and the nation] Kommunist 39 no. 2:104-110 Ja '63.
- Communism is a practical task of our generation; a model study plan for political groups. Komsom. zhizn' no. 18:24-32 S '62.
- Cooperation as popular organization for the masses. IA. Kistunov. Sov. poireb. koop. 6 no. 11:43-47 N '62.
- Cybernetics and the improvement of production planning and control. Avtom. i telom. 24 no. 1:3-6 Ja '63.
- Dialectics of the withering away of the state. A.K. Belykh. Sov. gos. i pravo 33 no. 1:13-21 Ja '63.
- The fifth year of the seven year plan. Radio no. 1:1-2 Ja '63.
- Forty-fifth anniversary of the Great October. Doshk. vop. 33 no. 10:3-7 O '62.
- Heroism of the astronaut is the heroism of the people! Sots. cheap. 23 no. 9:1-3 S '62.
- Hemayn, Doris. [Dolshchevism, a specifically Russian phenomenon] from the diary of a man who lived among people who do not understand it, who don't want to, and who can't! Bol'shevizm - orhuniche moskov'ske lavyshe; zi shchodennika ludy, shcho ti otchennia ne rozumie, ne kholche, abo i ne mozho rozumity. Hannover, ["Ukraina i svit"] 1957. 61 p.
- (InU)
- Law of interaction of productive forces and production relations during the large-scale building of communism. A.S. Ivanov. Dokl. TSKHA no. 75:297-300 '62.
- Lipin, A. P. [Communal labor and communism] Obshchestvennyi trud i kommunizm. Moskva, Ekonomizdat, 1962. 187 p.
- Light of the October. Znan. - sila 37 no. 11:1 N '62.
- Motion pictures and communism. S. Freilikh. Vop. kinof. no. 6:5-22 '62.
- October marches across our planet. Znan. ta pratsia no. 11:1-2 N '62.
- Ponomarenko, N. I. [The distribution of material goods during the period of the large-scale building of communism] Raspreделение material'nykh blag v period razvernutoy stroitel'stva kommunizma. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 77 p.
- (CSU-II)
- Problems of agricultural development in the new program of the CPSU. A. I. Stepanov. Dokl. TSKHA no. 75:15-17 '62.
- Problems of lighting engineering and the decisions of the plenary session of the Central Committee of the CPSU in November 1962. Svetotekhnika 9 no. 1:1-2 Ja '63.
- Prospects for the development of socialist countries. V. Tikhomirov. Uch. zap. IMO no. 9:24-42 '62.
- Regularities in the development of socialism into communism. G. Terinev. Komm. Vooruzh. Sil 3 no. 1:11-19 Ja '63.
- Scientific principles of guiding the development of human societies. L. I. Cheyev. Komm. Mold. 7 no. 12:3-28 D '62.
- Significance and special features of material self-interest during the gradual transition from socialism to communism. I. I. Poroshkov. Dokl. TSKHA no. 75:289-298 '62.
- Talks on the program of our party; book reviews. V. Ignat'ov. Komm. Bel. 38 no. 11:67-71 N '62.
- This concerns millions of people. V. Goncharov, A. Matislavskii. Radio no. 1:3-5 Ja '63.
- Transition from capitalism to socialism [in Armenian with summary in Russian]. G. N. Azatian. Ist. - filol. zhur. no. 4:3-14 '62.
- Wise lessons. Mustaf Karim. Znamia 32 no. 9:144-149 S '62.
- A year after the 22d Congress of the CPSU. Energiia-shinostroyeniye 6 no. 11:1-2 N '62.
- Year of great achievements. Doshk. vykh. 23 no. 12:1-2 D '62.
- Zhuravlev, V. V. [Social and individual consciousness] Obshchestvennoe i individual'noe soznanie. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, II Seriya: Filosofii, no. 1)

COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

COMMUNISM—TEXTBOOKS

- A conference in the editorial office of our periodical. Kommunist 39 no. 2:84-85 Ja '62.
- Lecturers and propagandists write to the editor. Kommunist 39 no. 2:80-83 Ja '63.
- Let the author tell his story. Kommunist 39 no. 2:66-67 Ja '63.

COMMUNISM AND ART

- For communist principles and national character. Part. zhizn' no. 2:3-7 Ja '63.
- Il'ichev, L. F. [Art belongs to the people] Iskustvo priinadlezhit narodu. Moskva, Gospolitizdat, 1963. 61 p.
- Pashinov, L. N. [Art and the man of the future] Iskustvo i chelovek budushchego. Moskva, Vsesoyuznaya teatr. ob-vo, 1962. 67 p.

COMMUNISM AND LITERATURE

- For communist principles and national character. Part. zhizn' no. 2:3-7 Ja '63.
- Il'ichev, L. F. [Art belongs to the people] Iskustvo priinadlezhit narodu. Moskva, Gospolitizdat, 1963. 61 p.
- Socialist labor and the spiritual aspect of the hero. K. V. Naumov. Uch. zap. Rev. gos. ped. inst. 6:24-61 '61.

COMMUNISM AND RELIGION

- Reactionary role of religion. M. Pastukh. Nauka i zhizn' 12 no. 9:50-53 S '62.

COMMUNISM AND SCIENCE

- Troshin, D. M. [The power of science; transformation of science into a directly productive force] Sila nauki; o prevrashchenii nauki v neposredstvennuyu proizvodi- tel'nuyu silu. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, X Seriya: Molodezh- naya, no. 2)

COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

- General laws governing the transition of the people's democracies to socialism. V. B. Pomerantsev. Uch. zap. Orehk. - Zuev. ped. inst. 12:173-219 '63.
- Giant strides. V. Zhiaganov. Nar. khoz. Uzb. 4 no. 11:86-90 N '62.
- A new stage in the development of the world socialist economy. L. Tolkunov. Polit. samobor. 6 no. 11:12-22 N '62.

COMMUNIST COUNTRIES—ECONOMIC POLICY

- The present and the future. Nar. khoz. Kazakh. 20 no. 10:76-78 O '62.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RE- LATIONS

- Akademiya nauk SSSR. Institut gosudarstva i prava. [Legal forms of international cooperation among socialist countries] Mezhduнародноopravovye formy sotrudnichestva sotsialisticheskikh gosudarstv. Mo- skva, Izd-vo Akad. nauk SSSR, 1962. 466 p.

COMMUNIST COUNTRIES—INDUSTRIES

- The present and the future. Nar. khoz. Kazakh. 20 no. 10:76-78 O '62.

COMMUNIST COUNTRIES—INTERNATIONAL LAW

- Akademiya nauk SSSR. Institut gosudarstva i prava. [Legal forms of international cooperation among socialist countries] Mezhduнародноopravovye formy sotrudnichestva sotsialisticheskikh gosudarstv. Mo- skva, Izd-vo Akad. nauk SSSR, 1962. 466 p.

COMMUNIST COUNTRIES—POLITICS AND GOVERN- MENT

- General laws governing the transition of the people's democracies to socialism. V. B. Pomerantsev. Uch. zap. Orehk. - Zuev. ped. inst. 12:173-219 '63.

COMMUNIST COUNTRIES—PUBLIC HEALTH

- Legal forms of the cooperation of socialist countries in the protection of public health. V. S. Mikhailov. Sov. gos. i pravo 33 no. 1:118-123 Ja '63.

COMMUNIST COUNTRIES—RESEARCH, INDUSTRIAL

- Cooperation of the socialist countries in the field of science and technology. Mezhduнарод. zhizn' 10 no. 3: 144-146 Mr '63.

COMMUNIST COUNTRIES—STATISTICS

- [The economy of socialist countries in figures for 1961; concise statistics] Ekonomika stran sotsialisticheskogo lgeria v tsifrakh, 1961 god; kratkii statistiches- skii sbornik. Moskva, Sotsekgiz, 1962. 236 p.
- [National economy of the socialist countries in 1961; re- ports of the Central Statistical Administration] Narod- noe khozaistvo sotsialisticheskikh stran v 1961 godu; soobshcheniia TsSU. Moskva, Ekonomizdat, 1962. 178 p.

[MICROFILM]

COMMUNIST EDUCATION

- (see also subdivision under Sverdlovsk Province; Tashkent)

- Atheistic propaganda is an integral part of communist education. T. T. Tagaev. Obshchestv. nauki v Uz. 6 no. 11:28-35 '62.
- "Basic principles of political sciences." Reviewed by N. Mor. Polit. samobor. 6 no. 11:125-128 N '62.
- Fyodorov, V. I. [Political education is the decisive fac- tor in propaganda work] Politicheskoe prosveshchenie- reshaushchee zveno propagandistskoi raboty; lektsii, pročitannye v Vysshei partinnoi shkole pri TsK KPSS, Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 37 p. (Partinnoe stroitel'stvo; Kurs lektsii)

- Every-day instruction in Marxism-Leninism. V. Sha- poshnikov. Grazhd. av. 12 no. 2:6-10 F '65.
- Lening Avenue. I. Gushchin. Nar. obr. no. 1:66-67 Ja '63.

- "Moral code of the builder of communism"; a model curriculum for a political education group. Komsom. zhizn' no. 19:26-32 O '62.

- A political education group on a collective farm. R. Nem- tsev. Part. zhizn' [Uzb.] 5 no. 11:57-59 N '62.
- Practice in educational work in an air group. D. Novi- kov. Grazhd. av. 12 no. 2:10-11 F '65.
- Republican-wide conference in the Ukraine on pedagogical propaganda. M. Molashenko. Sov. pedagog. 26 no. 8: 150 Ag '62.

- Russia (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program of the course "Fundamentals of the Marxist-Leninist aesthetics" for the institutions of higher learning] Programma kursa "Osnovy marksistko-leninskoi estetiki"; dlia vysshikh uchebnykh zavedenii (32 chasa). Moskva, Gospolitizdat, 1962. 15 p.

- Tiurn, D. I. [Membership in the CPSU] Chlenstvo v KPSS; lektsii, pročitannye v Vysshei partinnoi shkole pri TsK KPSS. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 78 p. (Partinnoe stroitel'stvo; Kurs lektsii)

- "Yes? No? Make your x." A. Kirsanov. Part. zhizn' no. 2:58-61 Ja '63.

COMMUNIST EDUCATION—AUDIO-VISUAL AIDE see also subdivision under Rostov Province

- [History of the Communist Party of the Soviet Union; a visual aid in four volumes] Istoriia Kommunisticheskoi partii Sovetskogo Soiuza; nagladnoe posobie v chetyrekh vypuskakh. Moskva, Gospolitizdat, 1962. 188 p. (chiefly illus.)

COMMUNIST ETHICS

- Be an example in life and work. N. Leon'tev. Komm. Bel. 30 no. 11:35-37 N '62.
- Communism and labor are inseparable. V. Prudnikov. Part. zhizn' [Uzb.] 5 no. 11:89-94 N '62.
- Communist moral education in the labor process. V. Viktorin. Polit. samobor. 6 no. 11:42-51 N '62.
- Conscience. L. Volchenko. Otv. na vop. trud. no. 3:42-51 Ag '62.
- Does every controversy give birth to truth? T. Iakovlev. Mol. komm. no. 12:63-67 D '62.
- A few words about ethical problems. D. Pavlova. Kommunist 38 no. 3:60-66 F '63.
- Honesty and truthfulness. N. Navalchik. Otv. na vop. trud. no. 3:44-41 Ag '62.
- Institutions of higher learning and their students. A. D. Skaba. Vest. vys. shkoly 20 no. 12:6-16 D '62.
- Karbovskaya, V. A. [This we cannot accept] Net, mif! Na ne budem! Moskva, Gospolitizdat, 1962. 54 p.
- Knowledge, conviction, habit. V. Efimov. Otv. na vop. trud. no. 4:10-26 Ap '62.
- Maintain the Soviet farmer's honor high. Ekon. soiz'khoz. 33 no. 12:12-17 D '62.
- Man, citizen, and society. Kommunist 38 no. 3:3-11 F '63.
- "Moral code of the builder of communism." Reviewed by G. Pronina. Mol. komm. no. 12:160-111 D '62.
- Obshchot seminar propagandistskikh rabotnikov na temu "Ideologicheskaya rabota i utverzhdenie peredovogo slova v pol'nom khoziaistvo." 1962. [Experience edu- cates and leads forward] Opyt vospityvaet, opyt vedet vpered; materialy. [Riznan'] Riazanskoe knizhnoe izd-vo, 1962. 223 p.
- Public responsibility of Soviet citizens. L. Konovalova. Otv. na vop. trud. no. 3:14-18 S '62.
- Public responsibility of the builders of communism. L. Arkhangelskii. Kommunist 38 no. 3:46-53 F '63.
- [Soviet man is an internationalist] Sovetskii chelovek - internationalist. Moskva, Gospolitizdat, 1962. 77 p. (Moral'nyi kodeks stroitel'stva kommunizma)
- Students' conscience, teachers' duty and the honor of institutions of higher learning. Vest. vys. shkoly 20 no. 12:17-20 D '62.

COMMUNIST ETHICS—STUDY AND TEACHING

- Seminar conferences. G. A. Koshelev, M. A. Iumashev. Vest. vys. shkoly 20 no. 12:90-92 D '62.

COMMUNIST LABOR see Socialist Competition

COMMUNIST PARTIES

- For the triumph of peace and socialism; article of "Pravda" on strengthening the unity of the communist movement published January 7, 1963. Nov. vrem. 20 no. 2:85-48 Ja '63.
- Full text of N. S. Khrushchev's speech at the 6th Con- gress of the Socialist Unity Party of Germany. Berlin, January 16, 1963. Nov. vrem. 20 no. 4:31-48 Ja '63.
- A great example of unity and solidarity. Komm. Bel. 36 no. 11:70-77 N '62.

COMMUNIST PARTIES (Continued)

Kuznetsov, B. P. [Faithful defenders of the interests of peasant masses] Verna zashchitnik interesov krest'ianskikh mass. Moskva, Gospolitizdat, 1962. 78 p.

The October Revolution and the disintegration of the colonial system of imperialism. A. Mamedov. Part. zhizn' [Uzb.] 5 no. 11:8-15 N '62.

COMMUNIST PARTIES—BIBLIOGRAPHY see Bibliography—Communist parties

COMMUNIST PARTY see subdivision under Algeria; Argentina; Brazil; Germany, East; India; Poland; United States

COMMUNIST PARTY OF THE SOVIET UNION (see also subdivision under Cherkizov Province; Leningrad; Moldavia; Novosibirsk; Saratov Province; Ukraine; White Russia)

CPSU, the party of the entire nation. S. Putaiev. Komm. Bel. 38 no. 11:18-22 N '62.

Development of the Soviet national economy and reorganization of its guidance by the party; decision of the plenary session of the Central Committee of the CPSU based on the report of Comrade N. S. Khrushchev, November 23, 1962. Komm. Bel. 38 no. 12:3-8 D '62.

Development of the Soviet national economy and reorganization of its guidance by the party; decision of the plenary session of the Central Committee of the CPSU based on the report of Comrade N. S. Khrushchev, November 23, 1962. Komm. Mold. 7 no. 11:16-22 N '62.

Founding of the Marxist party in Russia. I. Shvachko. Komm. Vooruzh. Sil 3 no. 1:72-77 Ja '63.

Groups to cooperate with the organs of the party-state control. Fust Saad. Part. zhizn' no. 3:56 F '63.

[History of the Communist Party of the Soviet Union; a visual aid in four volumes] Istoriia Kommunisticheskoi partii Sovetskogo Soyuza; nagladnoe posobie v chetyrekh vypuskakh. Moskva, Gospolitizdat. No. 1. [1963-February 1917] 1963 g. - fevral' 1917 g. 1962. 188 p. (chiefly illus.)

How to study the theme "The party in the struggle for the consolidation and development of socialist society, 1937 June 1941." N. Krut'ko. Komm. Bel. 38 no. 12:46-50 D '62.

In the new party committee; an interview with M. I. Kas-tornyykh. Part. zhizn' no. 3:21-26 F '63.

Is there a need to distribute duties among members of the party bureau or committee? Komm. Vooruzh. Sil 3 no. 1:88-88 Ja '63.

The leader's authority. A. Belkina. Otv. na vop. trud. no. 8:20-28 Ag '62.

Leninist principles of the selection and placement of managerial personnel. I. T. Pieglin. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:89-102 '60.

Moisevskii, V. P. [The party of all the nation; talks about the CPSU] Partia vsego naroda; besedy o KPSS. Moskva, Gospolitizdat, 1962. 47 p.

Our achievements will show our full approval of the decisions of the plenary session of the Central Committee of the CPSU. Komm. Mold. 7 no. 12:59-60 D '62.

Party conferences express the collective will of Communists. I. Naidin. Part. zhizn' no. 1:51-57 Ja '63.

Party of the whole nation. H. I. Aramchik. Nauka i zhytiia 12 no. 10:2-4 O '62.

The party's struggle for the socialist industrialization of the country and preparation for complete collectivization of agriculture, 1928-1929. V. Zubets. Komm. Bel. 38 no. 11:49-54 N '62.

Plenary session of the Central Committee of the CPSU. Komm. Bel. 38 no. 12:2 D '62.

Plenary session of the Central Committee of the CPSU. Komm. Mold. 7 no. 11:15 N '62.

The policy of the Communist Party is the policy of the people. Polit. samoochr. 6 no. 11:3-11 N '62.

[Readings on the history of the CPSU; in three volumes] Khrestomatia po istorii KPSS; v trekh tomakh. [Sost.: Gubikh, B. V., Tomirbaev, K. M., Iudachev, S. A.] Moskva, Gospolitizdat.

Vol. 2. [March 1917 to 1945] Mart 1917 g. - 1945 g. 1962. 622 p.

Sushkin, N. M. [Personality cult and authority] O kul'te lichnosti i avtoritete. Moskva, Gospolitizdat, 1962. 47 p. (Konsul'tatsii po istorii KPSS)

"Statutes of the Communist Party of the Soviet Union." Reviewed by S. Mironychev. Polit. samoochr. 6 no. 11: 132-133 N '62.

This error must be corrected. Kh. Zakariaev. Part. zhizn' no. 1:81 Ja '63.

Voskresenski, I. V. [How the Communist Party defeated the Menshevik-Trotskyite "New Opposition", 1925-1926] Razgovor Kommunisticheskoi partii trotskistsko-men-shevistskoi "novoi oppositsii", 1925-26 gg.; lektsiia dlia studentov-zachnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962. 34 p.

What is the meaning of democratic centralism in the life of the party? A. Polukhov. Polit. samoochr. 6 no. 11: 60-64 N '62.

COMMUNIST PARTY OF THE SOVIET UNION—INFORMATION SERVICES see subdivision under Uzbekistan

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

(see also subdivision under Tatar A. S. S. R.)

Party membership dues. Part. zhizn' no. 3:54-57 F '63.

References given to applicants for admission into the party. Part. zhizn' no. 1:57-60 Ja '63.

Thulin, D. I. [Membership in the CPSU] Chlenstvo v KPSS; lektsii, prochitannye v Vysshei partinnoi shkole pri TsK KPSS. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 78 p. (Partinnoe stroitel'stvo; Kurs lektsii)

"We should strictly observe the statutes of the CPSU." Part. zhizn' no. 1:78 Ja '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Andizhan Province; Groznyy District; Kustanay; Moldavia; Moscow Government; Moscow Province; Namangan; Smolensk; Sverdlovsk; Tashkent; Uzbekistan; White Russia)

Andronov, S. A. [The party in the struggle to consolidate and develop a socialist society, 1937- June 1941] Partia v bor'be za uprochnenie i razvitiie sotsialisticheskogo obshchestva, 1937 god - iun' 1941 goda. Moskva, Gospolitizdat, 1961. 166 p. (V pomoshch' izuchashchim istoriiu KPSS)

(MH) (NCC)

Business ability of a communist. P. Senchilo. Grazhd. av. 18 no. 11:4 N '62.

Communists and industry. Kommunist 38 no. 2:3-10 Ja '63.

Conference on rural work by a permanent committee attached to the Central Committee of the CPSU in 1924-1925. E. I. Rakova. Dokl. TSKHA no. 50:55-61 '60.

The consciousness of party ideology. G. Krivosheina. Part. zhizn' no. 3:15-20 F '63.

Decisions must be followed by work. V. Divnov. Part. zhizn' no. 3:48-50 F '63.

Decisions of the November Plenum of the Central Committee of the CPSU are the militant program for the struggle to attain the victory of communism. Ekon. sel'. khoz. 33 no. 12:3-11 D '62.

Engineers are coming to the party leaders for guidance. I. Gotsel'dze. Part. zhizn' no. 2:33 Ja '63.

Every Communist is also a public worker. S. Polunkin. Part. zhizn' no. 4:50-51 F '63.

Facing new tasks. V. Merzitskov. Part. zhizn' no. 4: 27-30 F '63.

The fifth spring of the seven-year plan. Part. zhizn' no. 4:3-7 F '63.

Following Lenin's path in advancing toward communism. Den. i kred. 20 no. 12:3-8 D '62.

Give trade the daily attention of party organs. K. Cherednichenko. Sov. torg. 36 no. 12:5-9 D '62.

A great mission. R. Safarov. Part. zhizn' [Uzb.] 5 no. 11:51-54 N '62.

Guidance in socialist competition is necessary. A. Umarov. Part. zhizn' [Uzb.] 5 no. 11:28-29 N '62.

Igunnova, Z. P. [The party in the struggle for the reconstruction of the national economy] Partia v bor'be za vosstanovlenie narodnogo khoziaistva; lektsiia. [Moskva] Izd-vo Mosk. univ., 1962. 55 p.

Increase the role of party conferences. V. Shepelin, N. Dovchenko. Part. zhizn' no. 4:45-47 F '63.

Kudychin, V. P. [A propagandist is also an organizer and educator] Propagandist-organizator i vospitatel'. [Moskva] Mosk. rabochii, 1962. 67 p.

Learning on primary party organizations. I. Slobodianuk. Part. zhizn' no. 2:28-30 Ja '63.

Lecturers in the "Kazakhstan Magnitka." V. Dolgushin. Part. zhizn' no. 4:56-57 F '63.

Lenin's policy. Kryl. rod. 14 no. 1:2 Ja '63.

Let us put into practice the decisions of the November Plenum of the Central Committee of the CPSU. Vest. stat. no. 12:3-11 '62.

The library of the secretary of a party organization. O. Filonov. Part. zhizn' no. 2:74-77 Ja '63.

Morozov, M. A. [Organization of mass political education among workers] Organizatsiia massovo-politicheskoi raboty sredi trudiaschikhsia; lektsiia, prochitannaya v Vysshei partinnoi shkole pri TsK KPSS. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 29 p. (Partinnoe stroitel'stvo; Kurs lektsii)

Mochevitin, A. D. [Selection and training of leaders] Podbor i vospitanie rukovodivshchikh kadrov. [Moskva] Mosk. rabochii, 1962. 42 p.

The most important duty of Communists in offices. V. Bulkevich. Komm. Bel. 38 no. 11:20-24 N '62.

The most important thing is the tie with life. V. Kudryakov. Part. zhizn' [Uzb.] 5 no. 11:37-40 N '62.

Notes on methodological conferences. G. Eligulashvili. Polit. samoochr. 6 no. 11:82-85 N '62.

On Lenin's road. Part. zhizn' no. 1:3-7 Ja '63.

Organizers of ideological education. S. Eltzarenko. Part. zhizn' no. 4:50-54 F '63.

"Our march toward communism." Book review. Komm. Mold. 7 no. 12:74-75 D '62.

Party and state control under the new conditions. Part. zhizn' no. 2:3-13 Ja '63.

Party groups on state farms. Part. zhizn' no. 2:43-50 Ja '63.

Party news. Part. zhizn' no. 1:76-80 Ja '63.

Party news. Part. zhizn' no. 2:76-80 Ja '63.

Party news. Part. zhizn' no. 3:76-80 F '63.

Party news. Part. zhizn' no. 4:76-80 F '63.

Party organizations in establishments of public services. A. Syvarenko, I. Shvets. Part. zhizn' no. 2:38-43 Ja '63.

People should get better training. A. Leshenkov. Part. zhizn' no. 2:31-32 Ja '63.

People's party. E. Bugaev. Part. zhizn' no. 4:15-23 F '63.

Production is the principal sphere of party guidance. F. Petrenko. Part. zhizn' no. 2:14-20 Ja '63.

Realizing Lenin's policy consistently. Sov. torg. 36 no. 12:1-4 D '62.

Recommended subjects for lectures, reports, and talks based on the materials of the plenary session of the Central Committee of the CPSU in November, 1962 and the Sixth Plenum of the Central Committee of the Communist Party of Moldavia. Komm. Mold. 7 no. 12: 72 D '62.

Socialist competition among village tollers. G. Vorob'ev. Part. zhizn' no. 4:8-14 F '63.

Strengthening the local party organizations on the state farms of the White Russian S. S. R. and improving the training of state farm officials and employees, 1956-1961. V. I. A. Lezhapekau. Vest. AN BSSR, Ser. hram. nav. no. 4:47-58 '62.

Struggle of the party for an upsurge in the collective and state farm economy. V. Efimov. Vop. ekon. no. 12:16-24 D '62.

The triumph of Lenin's principles. Mol. konim. no. 12: 3-11 D '62.

When principles are forfeited. P. Fedosov, A. Liseov. Part. zhizn' no. 2:34-38 Ja '63.

"Who is more politically qualified. I. Orlov. Part. zhizn' no. 4:47-48 F '63.

A world of new life. Part. zhizn' no. 3:70-74 F '63.

Zlobina, V. M. [How the Communist Party managed industrial enterprises and their party organizations in the early years of the New Economic Policy] Rukovodstvo Kommunisticheskoi partii promyshlennymi predpriiatiami i proizvodstvennymi iachetkami v pervye gody NEPa. [Moskva] Izd-vo Mosk. univ., 1962. 60 p.

COMMUNIST PARTY OF THE SOVIET UNION—STUDY AND TEACHING

[Methods for teaching the history of the CPSU in correspondence institutes] Metodika prepodavaniia istorii KPSS v zaочnykh vuzakh. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 230 p.

COMMUNIST REVISIONISM

Narskii, I. S., and L. N. Suvorov. [Positivism and the mechanistic revision of Marxism] Pozitivizm i mekhanisticheskai reviziia marksizma. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 82 p. (Materialy k lektsiiam po filosofii)

COMMUNIST SELF-CRITICISM

Increase the effectiveness of the Soviet press. Part. zhizn' [Uzb.] 5 no. 11:21-23 N '62.

COMMUNIST STATE

Dialectics of the withering away of the state. A. K. Bolykh. Sov. gos. i pravo 33 no. 1:13-21 Ja '63.

"How the program of the CPSU shows the historical inevitability of the withering away of the socialist state" by P. A. Kovchev. Reviewed by D. Uraul. Komm. Mold. 7 no. 12:73-74 D '62.

COMMUNIST YOUTH LEAGUE

(see also subdivision under Astrakhan Province; Bay District; Chita Province; Komi A. S. S. R.; Moscow; Moscow Province; Osetia, South Riga; Smolensk; Ukraine; Voronezh Province; White Russia)

All-Union competition organized by the Communist Youth League. Komsom. zhizn' no. 14:2 JI '62.

Always with youth. A. Teplinskii. Komsom. zhizn' no. 14:19-21 JI '62.

Ancient and solid friendship. A. Shurygin. Komsom. zhizn' no. 19:19-20 O '62.

Authority of the youth leader. V. Komissarov, V. Khalipov, A. Danilov. Komm. Vooruzh. Sil 3 no. 1:60-64 Ja '63.

A beacon must light up! Komsom. zhizn' no. 21:10-13 N '62.

Brief news on the Communist Youth League. Komsom. zhizn' no. 20:12-13 O '62.

Chronicle of the Communist Youth League. Komsom. zhizn' no. 21:23-25 N '62.

City managers. I. Stepanova. Komsom. zhizn' no. 20: 10-12 O '62.

Communist Party and the Communist Youth League. N. Leont'ev. Komm. Vooruzh. Sil 3 no. 1:39-44 Ja '63.

Defending the frontiers. V. Mitroshenkov. Mol. konim. no. 12:83-84 D '62.

Don't stop searching for hidden potentialities. A. Bludenov. Komsom. zhizn' no. 23:6-8 D '62.

COMMUNIST YOUTH LEAGUE (Continued)

- Enthusiasts of the fishermen's council. P. Artemov. Komsom. zhizn' no. 23:23-24 D '62.
- Extending the rights of the larger Communist Youth League organizations. Komsom. zhizn' no. 21:21-23 N '62.
- Follow-up of our articles. Mol. komm. no. 12:116-117 D '62.
- The force of a fighting man lies in his high principles. M. Fedorov. Grazhd. av. 10 no. 9:16-17 S '62.
- Forty years in the service of youth. M. Danilova. Komsom. zhizn' no. 19:16-18 O '62.
- Give constant attention to our youth. G. Fedotov. Part. zhizn' no. 1:14-20 Ja '63.
- Hidden potentialities in the important chemical industry. V. Golubovskii. Komsom. zhizn' no. 21:5-9 N '62.
- If you march away tomorrow... O. Morozov. Komsom. zhizn' no. 22:19-20 N '62.
- In our militant, continuous row. V. Novatorov and others. Sov. voen. 45 no. 1:17 Ja '63.
- In rays of the communist youth projector. N. Tsapelev. Grazhd. av. 10 no. 11:26 N '62.
- Kuz'ma Poliakova's "godchildren." V. Proletkin. Komsom. zhizn' no. 22:15-16 N '62.
- Model study plan of the "History of the All-Union Lenin Communist Youth League" political circle. Komsom. zhizn' no. 20:27-31 O '62.
- Nearer to life and to the youth. V. Smirnov, E. Savost'ianov, G. Merkur'ev. Komsom. zhizn' no. 10:10-17 S '62.
- On the bank of the rapid Kamchatka River. L. Korneshov. Komsom. zhizn' no. 23:19-23 D '62.
- Opening a meeting... Komsom. zhizn' no. 22:30-31 N '62.
- The party calls. Komsom. zhizn' no. 21:3-4 N '62.
- Problems of party and Communist Youth League work in the Soviet Army and Navy** Voprosy partinnoi i komsomol'skoi raboty v Sovetskoi Armii i Voenno-Morskoi Flote; uchebnoe posobie dlia slushatelei odnogodichnogo otdeleniia vechernikh partinnykh shkol. Moskva, Voenizdat, 1962. 301 p.
- Province committee regional economic council, and technical schools. V. Ganchev. Komsom. zhizn' no. 23:30-32 D '62.
- Romanism will return to Rudnyy. N. Lognova. Komsom. zhizn' no. 22:10-14 N '62.
- Search for the new. Komsom. zhizn' no. 14:13-10 JI '62.
- The style of our work. Komsom. zhizn' no. 23:7-13 D '62.
- Volchok, A. I.** [The committee has been elected... and what next? Komitet izbran... a dal'she? [Moskva] Izd-vo "Molodatsa gvardiia." 1962. 61 p. (VLKSM-komsomol'skoiu aktivistu)]
- Verob'ev, A. A.** [The Communist Youth League and the training of sergeants] Komsomol'skii organizatsiia i voepitanie serzhantov. Moskva, Voen. izd-vo M-va oborony SSSR, 1955. 61 p. (Biblioteka komsomol'skogo aktivista)]
- We shall stand the test. A. Kompanisev. Komsom. zhizn' no. 14:30-31 JI '62.
- Who is right? I. Korneeva. Komsom. zhizn' no. 10:11-12 O '62.
- Without faith in people... N. Avramenko. Komm. Vooruzh. Sil 3 no. 1:56 Ja '63.
- Word to future officers. Sov. voen. 45 no. 2:30-31 Ja '63.
- Work the communist way! Komsom. zhizn' no. 18:2-3 S '62.
- Your report and election meeting. Komsom. zhizn' no. 10:24-25 O '62.
- Your report and election meeting. Komsom. zhizn' no. 20:22-24 O '62.

COMMUNISTS

- All are equal under the law. Part. zhizn' no. 2:50-52 Ja '63.

COMMUNITY AND SCHOOL

- (see also subdivision under Khorson; Leningrad; Moscow; Petrokamenskoye District; Saratov Province; Smolensk; Tambov)
- Can rural soviets criticize the behavior of teachers? F. Vigdorova. Sov. deput. trud. no. 1:92-95 Ja '63.
- Let everybody share in the experience of the best. O. Chkalova, B. Zhurina. Sem'ia i shkola 17 no. 9: 33-34 S '62.
- Search for new forms of educational work. T. Iarkina. Sov. pedagog. 28 no. 12:143-147 D '62.
- We wish them new successes in the new school year! M. P. Kashin. Sem'ia i shkola 17 no. 9:2-3 S '62.

COMMUNITY CENTERS

- (see also subdivision under Balakovo; Bykhov; Grodno Province; Kursk)
- The inspection of red corners is in progress. V. Uel'son and others. Sov. profsoyuz 18 no. 24:29-30 D '62.
- Letters to the editor. Kul't. pros. rab. 23 no. 7:32-37 JI '62.
- Life is the promoter. B. Aizenshtat. Kul't. pros. rab. 23 no. 7:42-44 JI '62.

- Strong contrast. B. Pollakov. Kul't. pros. rab. 23 no. 7:45-47 JI '62.
- With public participation. P. Nazarenko and others. Sov. profsoyuz 10 no. 1:20 Ja '63.

COMMUNITY LIFE see subdivision under Leningrad

COMMUTATION (ELECTRICITY)

- Concerning A. S. Kurbasov's article "Power consideration in the theory of commutation." O. G. Vagner. Izv. vys. ucheb. zav. i elektromekh. 5 no. 9:1080-1082 '62.
- Mercury commutator with an electromagnetic pump. A. D. Barinberg. Priboirostroenie no. 12:19-20 D '62.
- Power consideration in the theory of commutation. A. S. Kurbasov. Izv. vys. ucheb. zav. i elektromekh. 5 no. 9:1076-1079 '62.
- Special features of the commutation of d.c. machines with compound armature windings. V. N. Grigor'ev. Izv. vys. ucheb. zav. i elektromekh. 5 no. 9:1083-1088 '62.
- Study of the mechanical strength of the collectors of small electrical machines. N. D. Zharkov, I. I. Taktiev. Izv. vys. ucheb. zav. i elektromekh. 5 no. 11:1311-1316 '62.

COMPANION CROPS

- Companion crops of sorgo in Uzbekistan [with summaries in English, German, and French]. A. F. Sorochonkov. Vest. sel'khoz. nauk 7 no. 5:38-39 My '62.

COMPENSATION, WORKMEN'S see Employers' Liability

COMPETITION, INTERNATIONAL

- Astology from the "Neue Zürcher Zeitung" or how Swiss economists study the economy. G. Schnittke. Nov. vrem. 20 no. 6:16-19 F '63.
- Criticism of bourgeois economic theories of the peaceful coexistence of the two social-economic systems. N. A. Khomikova. Uch. zap. IMO no. 9:215-220 '62.
- Economic cooperation and competition between the two systems. B. Pinegin. Moshdunar. zhizn' 10 no. 3:37-44 Mr '63.
- Kul'kov, I. I.** [Bankruptcy of the economic plans of the "Cold War." Bankrotstvo ekonomicheskikh planov "kholodnoi volny." Moskva, Ekonomizdat, 1962. 177 p.
- A new stage in the development of the world socialist economy. L. Tolkunov. Polit. samoochr. 0 no. 11:12-22 N '62.

COMPLAINTS (RETAIL TRADE)

- "Come to us, please." Sov. deput. trud. no. 6:80 Je '62.

COMPLEMENT FIXATION

- Complement fixation reaction in the diagnosis of Q rikettsiosis in animals. L. D. Vasil'eva. Trudy Len. inst. epid. i mikrobiol. 20:58-61 '60.

COMPLEX COMPOUNDS

- Composition and structure of complexes in aqueous solutions of bivalent cobalt halides. S. N. Andreev, V. G. Khalidin. Zhur. ob. khim. 32 no. 12:3845-3852 D '62.
- Stability of cation nitrate complexes of neodymium and ytterbium. Z. A. Sheka, E. E. Kryas. Radiokhimiia 4 no. 6:720-725 '62.
- Study of the complex formation by the method of distribution in the system strontium - selenoyl acetone - benzene - water. N. V. Mel'chakova, V. M. Pashkova. Vest. Mosk. un. Ser. 2: Khim. 18 [1, o. 17] no. 6:61-63 N-D '62.

COMPLEXONS

- Synthesis of insoluble polymer complexons [with summary in English]. E. B. Trostianskaya, G. Z. Nefedova. Vysokom. soed. 5 no. 1:48-56 Ja '63.

COMPOSERS, AUSTRIAN-BIBLIOGRAPHY

- [Amid books on music] Sredi knig o muzyke. Leningrad, Muzgiz. (Biblioteka muzykal'nogo samooobrazovaniia) No. 2. Trainin, V. I. A. [What to read on German and Austrian composers] Chto chitat' o kompozitorakh Germanii i Avstrii. 1962. 70 p.

COMPOSERS, ENGLISH

- English composers are our guests. Sov. muz. 26 no. 12:131-133 D '62.

COMPOSERS, GERMAN-BIBLIOGRAPHY

- [Amid books on music] Sredi knig o muzyke. Leningrad, Muzgiz. (Biblioteka muzykal'nogo samooobrazovaniia) No. 2. Trainin, V. I. A. [What to read on German and Austrian composers] Chto chitat' o kompozitorakh Germanii i Avstrii. 1962. 70 p.

COMPOSITION (PHOTOGRAPHY)

- Depressing pictures. V. Grishanin. Sov. foto 22 no. 11: 43 N '62.

COMPOST

- Dynamics of the number of invertebrates in soil-manure composts. N. M. Charnova. Agrobiologiya no. 8:870-881 N-D '62.
- Manure-soil composts and crop yields. N. P. Kostin. Zemledelia 24 no. 11:72-76 N '62.

COMPRESSED AIR

- Use of compressed air to increase the pressure in mines. A. V. Dokukin. Mekh. i avtom. v gornoi prom. no. 2: 5-21 '62.

COMPRESSED WOOD see Wood, Compressed

COMPRESSIBILITY

- Relation of compressibility and shear viscosity to the structure of matter in the liquid state [with summary in English]. A. Z. Golik. Ukr. fiz. zhur. 7 no. 8:805-812 Ag '62.
- Shock wave compression of quartz. G. A. Adadurov and others. PMTF no. 4:81-89 JI-Ag '62.

COMPRESSORS

- Calculation of the characteristics of a multistage centrifugal compressor. S. P. Livshits. Toplo-energetika 10 no. 1:21-28 Ja '63.
- Design of the intermediate cooler for the compressor of a gas turbine system. M. D. Novikov. Energomashino-stroenie 8 no. 11:28-30, 46 N '62.
- Features of the theoretical determination of the efficiency and characteristics of centrifugal compressor machinery. V. F. Ris. Energomashino-stroenie 8 no. 12:21-26 D '62.
- Generalized expression of filling and feeding coefficients for internal combustion engines and volumetric compressors. M. G. Kruglov. Vest. mashinostr. 42 no. 12: 28-29 D '62.
- Redesigning the membrane packing gland of the 4AU-15 compressor. O. O. Uvarova. Khar. prom. no. 4:38-40 O-D '62.
- Study of the mechanism of the operation of a high-speed contact-type terminal gland system. P. E. Amosov. Teploenergetika 9 no. 12:44-49 D '62.

COMPRESSORS-CODLING

- Design of the intermediate cooler of the compressor of a gas turbine system. Energomashino-stroenie 8 no. 11: 46 N '62.

COMPRESSORS-TESTING

- Testing of a freon compressor with intensive water cooling. R. N. Mikhail'skaya. Khok. tekhn. 39 no. 8:28-31 N-D '62.

CONCEPTION-PREVENTION

- Take care of yourself before it is too late! O. K. Nikonchik. Zdorov'e 8 no. 12:18-20 D '62.

CONCEPTS

- Pavlov, V. T. [Relations between concepts] Otnosheniia mezhdu poniatiami. [Kiev] Izd-vo Kievskogo univ., 1961. 174 p. (MI)

CONCRETE

- Experimental method of choosing the composition of concrete. G. I. Supakov. Sbor. nauch. trud. NII po stroi. ASIA no. 2:78-80 '61.
- Make efficient use of plants with concrete combines. S. Kosolapov. Stroi. i arkhitekt. 10 no. 1:23-25 Ja '62.

CONCRETE-CORROSION

- (see also subdivision under Volga-Don Canal)
- Moshchanskii, N. A.** [Increasing the stability of building materials and elements under the conditions of corrosive atmospheres] Povysheniie stolkostoi stroitel'nykh materialov i konstruktsii, rabotayushchikh v usloviyakh agressivnykh sred. Moskva, Gosstroizdat, 1962. 234 p.
- Study of the processes of corrosion in stressed concrete. V. M. Moskvina, A. M. Podval'nii. Izv. ASIA 4 no. 4: 16-25 '62.

CONCRETE-TESTING

- Coordinating conference on studies of characteristics of hydraulic concrete and reinforced concrete subject to static and dynamic loading. A. Z. Banevich, I. B. Sokolov. Gidr. stroi. 33 no. 12:55-57 D '62.
- The effect of keramzit on the strength of concrete. G. I. Supakov, N. E. Dikarkina. Sbor. nauch. trud. NII po stroi. ASIA no. 1:77-81 '61.
- Lowering the permeability of concrete using polymer materials. V. I. Solomatov. Izv. ASIA 4 no. 4:50-63 '62.
- Resistance of plastic concretes to corrosive agents and organic solvents. I. K. Cherenukhin, I. M. Elshin, P. M. Manannikov. Plast. massy no. 11:64-65 '62.
- Structural properties of heavy silicate concrete. V. N. Gusekov. Stroi. mat. 8 no. 12:3-5 D '62.
- Theory of the strength of concrete. A. A. Arakelian. Izv. AN Arm. SSR, Ser. tekhn. nauk no. 4:37-51 '61.
- Ultrasonic and strength. IU. Urzhumtsev. Nauka i zhytiia 12 no. 7:8-10 JI '62.
- Using the polarization-optical method in investigating the properties of concrete. G. Oppel. Probl. prochn. v mashinostr. no. 8:44-51 '62.

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE CONSTRUCTION

(see also subdivision under Bratsk Hydroelectric Power Station)
Goloviznin, V. A., and P. M. Stolyko. [Labor input and cost of concrete work in hydraulic engineering construction] Trudovoskost' i sebestoinost' betonnykh rabot v gidrotekhnicheskoy stroitel'stve. Moskva, Gosenergizdat, 1962. 169 p.
Installation of devices for remote measuring of the temperature of concrete in structures of the Maimakan hydroelectric development. E. L. Budnikov. Gidr. stroit. 33 no. 11:22-24 N '62.

CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

The "cold thermos" method of placing concrete. I. A. E. Shenkar'. Transp. stroit. 12 no. 12:29-30 D '62.

CONCRETE MIXERS

The S-632 continuous concrete mixer. A. A. Grigorov. Stroit. i dor. mash. 7 no. 12:28-30 D '62.

CONCRETE PIPE see Pipe, Concrete

CONCRETE PLANTS

Improving techniques for the preparation and placing of a concrete mix. A. E. Desov. Izv. ASIA 4 no. 4:9-15 '62.

CONCRETE PLANTS—EQUIPMENT AND SUPPLIES

Modernization of the machinery for assembling and disassembling molds. G. A. Vol. Stroit. i dor. mash. 7 no. 12:25-28 D '62.
Overall mechanization and automation of industrial processes in combines. L. N. Chumadov. Stroit. i arkhitekt. 25 no. 1:23-25 Ja '63.

CONCRETE PLANTS—SAFETY MEASURES

Makhnovich, A. T. [Workers' handbook on accident prevention when lubricating molds in the production of reinforced-concrete elements] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri smazke form pri proizvodstve zhelezobetonnykh izdelii. Moskva, Gosstroizdat, 1962. 19 p. (Tekhnika bezopasnosti v stroitel'stve)

CONCRETE PLANTS—STANDARDS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standards SN 220-62 for the technical design of enterprises producing precast reinforced-concrete elements in multiple molds] Normy tekhnicheskogo proektirovaniia predpriatii skoronykh zhelezobetonnykh izdelii s kasatynym sposobom proizvodstva (SN 220-62). Moskva, Gosstroizdat, 1962. 14 p.

CONCRETE PRODUCTS

Economical doorframes. I. Chernobuk. Sel. stroit. 15 no. 4:27 Ap '60.
Use of lightweight concrete in bearing and exterior elements. N. A. Kornev. Izv. ASIA 4 no. 4:34-44 '62.
Using local binding materials in the manufacture of keramzit-concrete products. B. S. Zaidenberg, P. M. Zilberfarb, N. V. Ivakhno. Shor. trud. ROSNIIMS no. 20:98-107 '61.

CONCRETE REINFORCEMENT

New method of fastening reinforcement rods during tensioning. V. Bulish. Prom. stroit. i inzh. soor. 4 no. 8:53 S-O '62.
Self-tensioning of reinforcement in elements made of silicate concrete. R. V. Popov. Shor. trud. ROSNIIMS no. 20:52-61 '61.
Use of non-metallic reinforcement in mesh-reinforced concrete elements. K. V. Mikhailov. Izv. ASIA 4 no. 4:48-49 '62.

CONCRETE REINFORCEMENT—CORROSION

Corrosion resistance of the reinforcement of air-entrained silicate concrete, air-entrained cinder concrete and keramzit concrete. D. I. A. Solovet, E. M. Sorokina, E. S. Kazakevich. Shor. trud. ROSNIIMS no. 20:76-83 '61.
Protecting the reinforcement from corrosion in autoclaved silicate concretes. D. I. A. Solovet. Shor. trud. ROSNIIMS no. 20:84-89 '61.

CONCRETE REINFORCEMENT—WELDING

Submerged arc butt welding of multiple-row reinforcements for reinforced concrete constructions. A. M. Fridman. Svar. proizv. no. 7:15-18 JI '62.
Weldability of St. 5ps capped reinforcement steel. V. A. Savchenko and others. Prom. stroit. no. 10:51-53 '62.

CONCRETE ROOFING see Roofing, Concrete

CONCRETE SLABS

Design of reinforced concrete slabs taking into account crack formation and creep. I. A. D. Lavshin, M. M. Oneshchenko. Stroit. mekh. i rasch. soor. 4 no. 6:6-11 '62.
Reinforced concrete slabs are used for covering lower galleries and mechanical ventilation of grain in storage. I. Putis, I. Virak. Muk. elev. prom. 28 no. 12:22-23 D '62.

CONCRETE SLABS—TESTING

Studying the strength, rigidity and crack resistance of keramzit concrete floor slabs with prestressed reinforcement. A. Akbarov. Shor. nauch. trud. NII po stroit. ASIA no. 2:58-62 '61.

CONCRETE WALLS

Partitions made of water-resistant gypsum-slag concrete. S. Manashev. Stroitel' 8 no. 11:27 N '62.
Slag concrete panels with hollow insertion pieces. I. Rokhina and others. Zhil. stroit. no. 1:16-18 '62.

CONCRETE WALLS—TESTING

Experimental study of the shearing strength of keramzit concrete wall slabs. A. A. Adikhodzhaev, A. M. Mukhitdinov. Shor. nauch. trud. NII po stroit. ASIA no. 2:45-57 '61.

CONDENSATION

Mechanisms underlying evaporation and viscous flow and the structure of condensates [with summary in English]. G. M. Martynkevich. Ukr. fiz. zhur. 7 no. 8: 868-874 Ag '62.

CONDENSATION PRODUCTS (CHEMISTRY)

Heterochain polyamides. Report No. 33: Formation of mixed polyamides at the interface of mixtures of various acid chlorides. V. V. Korshak, T. M. Fronze, L. V. Kozlov. Izv. AN SSSR, Otd. khim. nauk no. 12: 2226-2235 D '62.
Hydrolytic condensation of dimethylchlorosilane and phenyltrichlorosilane. A. G. Kuznetsova, K. A. Andrianov, D. I. A. Zhukin. Plast. massy no. 11:15-19 '62.
New data on the processing and properties of polyarylates. M. S. Akutin and others. Plast. massy no. 11: 20-26 '62.
Synthesis and transformations of glycals of the S-series. Part 3: Condensation products of 1-acetylcyclohexan-1-ol. T. A. Favorskain, Z. A. Shevchenko. Zhur. ob. khim. 32 no. 12:3918-3922 D '62.
Synthesis of sintering materials by the method of cyclic condensation of aromatic hydrocarbons in presence of $AlCl_3$. K. P. Medvedev, V. M. Petropolskaya. Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl. no. 6:202-207 N-D '62.

CONDENSERS (ELECTRICITY)

Concerning the protection of static condenser batteries and their installation in rooms. B. A. Polakov. Energetik. 10 no. 12:27-28 D '62.
Effect of the operating modes of electrical networks on the parameters of semiconductor capacitors. A. L. Khodakov, V. Z. Borodin. Izv. vyz. ucheb. zav. i elektromekh. 5 no. 11:1289-1288 '62.

CONDENSERS (STEAM)

Packing of turbine condenser tubes. E. V. Malyshkin, S. S. Gorbanko. Energetik 10 no. 12:24-25 D '62.

CONDENSERS (VAPORS AND GASES)

Reduction of titanium tetrachloride by magnesium condensates at low temperatures (250-400° C) in vacuum. Titan i ego splavy no. 8:160-166 '62.

CONDITIONED RESPONSE

Changes in the conditioned reflex activity of white rats under the influence of ovariectomy and the administration of estrogens [with summary in English]. S. N. Ushenko. Trudy Ukr. nauch. i issl. inst. eksper. endok. 10:303-309 '61.
Conditioned reflex food and vasomotor reactions of normal dogs and on a background of hyperthyroidism [with summary in English]. K. M. Kalmykova. Trudy Ukr. nauch. i issl. inst. eksper. endok. 18:50-59 '61.
Effect of a constant magnetic field on conditioned reflexes in sea fishes. I. U. A. Kholodov, G. L. Verevina. Trudy Belomor. biol. sta. MGU 1:248-255 '62.
Gavrilchik, V. A. [Conditioned defensive dominance as a model of hypertensive state of the organism] Ulovnaia oboronitel'naii dominantsia kak model' gipertenzivnogo sortolantia organizma. Moskva, Medgiz, 1962. 164 p.
Theory of the reflex and reflectory activity and the prospects of its development. P. S. Kupalov. Vop. psikh. 8 no. 4:9-35 JI-Ag '62.

CONDUCT OF LIFE

Cultural training. K. A. Ivanovich. Sred. spets. obr. 9 no. 11:41-45 N '62.

CONDUCTOMETRIC ANALYSIS

Amperometric determination of sulfides in the presence of sulfates, thiosulfates, sulfites, and carbonates in alkaline wastes of petroleum refining and of phosphates in phosphate catalysts. V. N. Leuskaia, R. K. Terekhova. Izv. vyz. ucheb. zav. i khim. i tekhn. 5 no. 5:717-721 '62.
Determination of copper by conductometric titration with lithium citrate. G. B. Pasovskaya. Izv. vyz. ucheb. zav. i khim. i tekhn. 5 no. 5:850-852 '62.

CONFECTIONERY

(see also subdivision under Riga; Tashkent)
Automatic continuous production line for wrapping soft glazed candy. D. S. Polunovskii. Khleb. i kond. prom. 6 no. 12:35-38 D '62.

CONFECTIONERY—EQUIPMENT AND SUPPLIES

Proposals of efficiency promoters. M. Filin. Obshchestv. pit. no. 12:37-38 D '62.

CONFECTIONERY—STANDARDS

[Confectionery products; testing methods] Konditerkie izdeliia; metody issypanii. Izd. ofitsial'noe. Moskva, Standartizatsiia, 1961. 84 p. (SSSR. Gosudarstvennye standarty)

CONFISCATIONS

How to implement the law on the seizure of buildings acquired with unearned income. N. Gorsheneva, S. Mironov. Sov. iust. no. 24:5-7 D '62.

CONFORMAL MAPPING

Use of integral equations in the theory of conformal mappings [in Georgian with summary in Russian]. D. A. Kveselava. Trudy Vych. taentra AN Gruz. SSR 2:3-15 '62.

CONGLOMERATE see subdivision under Carpathian Mountain region

CONGO (LEOPOLDVILLE)—MEDICAL ASSISTANCE, RUSSIAN

One hundred and twenty days in Congo. A. P. Kuz'michev. Sov. Kras. krest 12 no. 4:17-18 JI-Ag '62.

CONGO (LEOPOLDVILLE)—POLITICS AND GOVERNMENT

Third round in the Congo. I. U. Bochkarev. Nov. vrem. 20 no. 2:7-9 Ja '63.
Who surrendered? I. U. B. Nov. vrem. 20 no. 4:8 Ja '63.

CONIFERAE

Propagating coniferous species by cuttings in movable beds. M. I. Dokuchaeva. Les. khoz. 15 no. 11:38-41 N '62.
Treating conifer seeds before sowing with ultraviolet and solar rays. V. V. Gribkov. Les. khoz. 15 no. 11: 36-39 N '62.

CONIFERAE—DISEASES AND PESTS see subdivision under Ukraine

CONJUGATION (CHEMISTRY)

Conjugation effect in organogermanium compounds. V. F. Mironov, N. G. Dzhurinskaya. Izv. AN SSSR, Otd. khim. nauk no. 1:75-82 '63.
Conjugation factors in cyclic systems. Report No. 5: Mutual transformations and the kinetics of isomerization of hexalin-1, 2-dicarboxylic acids under the influence of alkalies. V. F. Kucherov and others. Izv. AN SSSR, Otd. khim. nauk no. 1:137-145 '63.
Nitrogen and sulfur atoms as conductors of conjugation in the molecules of isomeric 2-styryl-4-aryllthiazole and 2-styryl-5-aryllthiazole with polar substituents. E. D. Syeh, L. P. Umanskaya. Zhur. ob. khim. 33 no. 1:80-83 '63.

CONJUNCTIVITIS

(see also subdivision under Azerbaijan)
Mechanism of the transmission of the infectious conjunctivitis of chickens. M. K. Ganlev, F. B. Shirinov. Trudy Azer. nauch. i issl. vet. inst. 13:42-44 '62.
Studying the possibility of transmitting the causative agent of the infectious conjunctivitis of chickens through the egg. M. K. Ganlev, F. B. Shirinov. Trudy Azer. nauch. i issl. vet. inst. 13:45-47 '62.

CONNECTIVE TISSUES

Changes in the leucocyte and thrombocyte composition of the blood, the number of mast cells and eosinophilic leucocytes in connective tissues, and the copper content of the blood serum under the effect of histamine [with summary in German]. I. Lazovskii. Izv. AN I. atv. SSR no. 10:121-127 '62.

CONSCIENCE

Conscience. L. Volchenko. Otv. na vop. trud. no. 8:42-51 Ag '62.

CONSCIOUSNESS

"Fundamental difference between Marxist and Hegelian views on consciousness" by F. I. Georgiev. Reviewed by M. F. Ovsiannikov. Vop. filos. 17 no. 1:172-174 '63.

CONSERVATION OF NATURAL RESOURCES

"Collected legislative enactments on the conservation of natural resources." Reviewed by N. Vedenin. Sots. zakon. 39 no. 12:74-75 D '62.
Standing committees for the maintenance of natural resources. K. Sladkov. Sov. deput. trud. no. 6:95-98 Ja '62.

CONSERVATION OF WILDLIFE see Wildlife, Conservation of

CONSTITUTIONAL HISTORY

Aydeev, I. I., and V. N. Strunin. [The bourgeois state during the 1918-1939 period] Burzhuaznoe gosudarstvo v period 1918-1939 gg. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 433 p.

CONSTITUTIONAL LAW

"The Soviet constitutional law course" by A. I. Lepeshkin and others. Vol. 2. Reviewed by K. F. Kotov and others. Sov. gos. i pravo 33 no. 2:140-146 F '63.

CONSTRUCTION EQUIPMENT

(see also subdivision under Kiev Province)
From the pages of magazines: October, 1962. Stroitel' dor. mash. 7 no. 12:30-37 D '62.
New machinery. Stroitel' dor. mash. 7 no. 11:31-32 N '62.

New suggestions for improving the utilization of construction equipment for electric transmission lines. A. Bodin. Sel'strot. 16 no. 1:10-20 Ja '62.

Organization of services for increasing the durability and reliability of construction and road machinery. A. V. Rumyantsev. Stroitel' dor. mash. 7 no. 11:24-25 N '62.

Payments for the work of building machinery and equipment. Ekon. stroi. no. 1:63-64 Ja '63.

Problem of the operational reliability of construction equipment. A. I. Astakhov, A. P. Degtyarev, V. A. Ivanov. Stroitel' dor. mash. 7 no. 12:6-11 D '62.

Requirements for operating qualities of construction equipment. A. I. Astakhov. Stroitel' dor. mash. 7 no. 11:19-22 N '62.

Stranous, M. F. [Selecting plastics for sliding bearings of construction machinery] Vybór plasticheskikh mass dlia podshchupnikov skol'zheniya stroitel'nykh mashin. Moskva, Mashgiz, 1962. 97 p.

[MICROFILM]

Use machinery and equipment properly. P. Kaminskii. Stroitel' 8 no. 11:28-29, 31 N '62.

CONSTRUCTION EQUIPMENT—BIBLIOGRAPHY see Bibliography—Construction equipment

CONSTRUCTION EQUIPMENT—EXHIBITIONS

Exhibition of self-propelled construction and road machinery in Moscow. A. S. Selenevich. Stroitel' dor. mash. 7 no. 11:3-9 N '62.
Mechanized tools and equipment. Sel'strot. 16 no. 1:23-24 Ja '63.
New construction equipment. K. Privalevskii. Sel'strot. 15 no. 4:22-24 Ap '60.

CONSTRUCTION EQUIPMENT INDUSTRY

Forty-fifth anniversary of the Great October Revolution. Stroitel' dor. mash. 7 no. 11:1-2 N '62.

CONSTRUCTION INDUSTRY

(see also subdivision under Belgorod Province; Borisovka District; Checheno-Ingush A. S. S. R.; Crimea; Iukhnov; Kabardino-Balkar A. S. S. R.; Kemerovo Province; Kizlyar District; Kommilovka District; Kostroma Province; Leningrad; Lvov Province; Moscow; New York (City); Sevastopol; Tselinograd; Turgay Table Land; Ukraine; Ulyanovsk Province; Uzbekistan; White Russia; Zugdidi District)
Akademiia stroitel'stva i arkhitektury SSSR. Institut ekonomiki stroitel'stva. [Instructions for analyzing the economic effectiveness of introducing mechanization and automation in construction] Ikazaniia po raschetam ekonomicheskoi effektivnosti vvedeniia mekhanizatsii i avtomatizatsii v stroitel'stve. Moskva, Gosstroizdat, 1962. 133 p.
Brief news. Sel'strot. 16 no. 1:30-31 Ja '62.

Conditions for profitable work of a building organization. V. P. Galani. Stroitel' dor. mash. 7 no. 12:23-24 D '62.
Construction in the cities of the future. V. Artemchuk. Stroitel' arkh. 10:3-4 Ja '62.
Did you know that... Sel'strot. 16 no. 1:28 Ja '62.
Direct all forces to fulfilling the plan for 1962. Na stroi. Ros. no. 12:1 D '61.
Doings and plans of rural builders. Sel'strot. 16 no. 4:31 Ap '60.

Fukhtovich, I. A. [Remote control in construction] Dispetcherskoe upravlenie v stroitel'stve. Izd. 2., perer. i dop. Moskva, Gosstroizdat, 1962. 202 p.
For new achievements in the fourth year of the seven-year plan. Sel'strot. 16 no. 1:1-2 Ja '62.

Galkin, I. G. [Planning operation completion in housing construction] Planirovaniie zadela v zhilishchnom stroitel'stve; nauchnoe soobshcheniie. Moskva, Gosstroizdat, 1961. 45 p. (Nauchnye soobshcheniia, no. 14)

Honorary Academy diplomas for directors of works. Izv. ASIA 4 no. 4:126-127 '62.

Improving planning is the most important method of increasing the rate and lowering the cost of construction. S. Andrianov. Prom. stroi. i inzh. soor. 4 no. 5:1-4 S-O '62.

In the Academy of Construction and Architecture of the U. S. S. R. Zhil. stroi. no. 2:16d '62.

In the Board of the Ministry. Transp. stroi. 12 no. 12:59-60 D '62.

In the State Committee on Construction of the R. S. F. S. R. Bui. stroi. tekhn. 19 no. 12:34-35 D '62.

In the State Committee on Construction of the R. S. F. S. R. Na stroi. Ros. no. 12:36 D '61.

In the State Committee on Construction of the R. S. F. S. R. Sel'strot. 16 no. 12:29 D '62.

In the Technical Council. Transp. stroi. 12 no. 12:60 D '62.

Industrial installation construction workers are in competition. N. Surovtsev. Stroitel' 8 no. 11:21-23 N '62.

Information. Sel'strot. 15 no. 4:32 Ap '60.

Information. Sel'strot. no. 12:30 D '62.

Korolev, K. M. [The mortar-mixer and mortar-pump operator] Mashinist rastvorosmesitelia i rastvoronagosa. Moskva, Proftekhizdat, 1962. 255 p.

The most peaceful profession on earth. S. Andrianov. Stroitel' arkh. 10 no. 8:p. 2 of cover-1 Ag '62.

Outstanding construction workers of the country. L. Shkol'nikova, O. Katkov. Stroitel' 8 no. 11:8-8 N '62.

Plan for the fifth year of the seven-year plan and builders' tasks. R. Krylov. Ekon. stroi. no. 1:6-11 Ja '63.

Raise the tempo and the quality, lower the cost of construction. Zhil. stroi. no. 2:2 of cover-1 '62.

Readers' letters. Sel'strot. no. 12:26 D '62.

Readers' letters. Sel'strot. 16 no. 1:20-30 Ja '62.

Results of socialist competition among construction projects and enterprises of Ronglavtastrot. Sel'strot. no. 12:17 D '62.

Rural builders carry out the decisions of the 22d Congress of the CPSU. Sel'strot. 16 no. 1:3 Ja '62.

Standard research work on the Bukhara - Ural Mountain Region route. N. Panteloev. Stroitel' dor. mash. 7 no. 12:11-12 D '62.

Svetlov, V. S. [Technical progress and working personnel in construction] Tekhnicheskii progress i rabochie kadry v stroitel'stve. Moskva, Gosstroizdat, 1962. 107 p.

Unused potentials. B. Koviazin. Zhil. stroi. no. 12:3 '62.

Urgent objectives of design in creating the material and technical foundation of communism. Zhil. stroi. no. 12:1-2 '62.

We answer readers' questions. Stroitel' 8 no. 11:30 N '62.

We will fulfill the decisions of the November Plenum of the Central Committee of the CPSU. Sel'strot. no. 1:2 D '62.

A year of inspired work. G. Boklanov. Stroitel' arkh. 10 no. 12:1-5 D '62.

Youth at the construction projects of the country. Stroitel' 8 no. 11:1-2 N '62.

CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

For a drastic improvement of the control level exercised by Construction Bank branches. G. Karavaev. Fin. SSSR 23 no. 12:14-25 D '62.

CONSTRUCTION INDUSTRY—BIBLIOGRAPHY see Bibliography—Construction industry

CONSTRUCTION INDUSTRY—CONGRESSES

Sixth Session of the Academy of Construction and Architecture of the Ukrainian S. S. R. Stroitel' arkh. 10 no. 12:40 D '62.

CONSTRUCTION INDUSTRY—COSTS

(see also subdivision under Krasnoyarsk)

Calculate the cost of planning and surveying work correctly. M. Rybko and others. Buih. uch. 19 no. 12:40-43 D '62.

Paronov, M. A. [Planning costs of construction and assembly work] Planirovaniie sebestoimosti stroitel'nomontazhnykh rabot. Moskva, Ekonomizdat, 1962. 103 p. (V pomoshch' ekonomistu i planoviku)

Technical and economic problems of planning and building new construction developments. A. Ivanova. Ekon. stroi. no. 1:52-58 Ja '63.

Vinogradov, A. N. [Cost planning in construction; based on practice in housing construction] Planirovaniie sebestoimosti v stroitel'stve; na opyte zhilishchnogo stroitel'stva. Moskva, Gosfinizdat, 1962. 186 p.

CONSTRUCTION INDUSTRY—DICTIONARIES

"Economic encyclopedia. Industry. Construction." Vols. 1-3. Sots. trud 7 no. 4:158-159 Ap '62.

CONSTRUCTION INDUSTRY—ELECTRIC EQUIPMENT

Sarafanov, S. G., and others. [Electric welding equipment and automation of welding operations in the construction industry] Elektrosvarochnoe oborudovaniie i avtomatizatsiia svarochnykh rabot v stroitel'stve. Pod red. S. G. Sarafanova. Leningrad, Gosstroizdat, 1962. 350 p.

CONSTRUCTION INDUSTRY—EQUIPMENT AND SUPPLIES

Iurmanov, B. N., and N. N. Ushakov. [Transducers and amplifiers in construction technology] Datchiki i usiliteli v stroitel'noi tekhnike. Leningrad, Gosstroizdat, 1962. 118 p.

CONSTRUCTION INDUSTRY—FINANCE

(see also subdivision under Novgorod Province)

Clearing payment bureaux attached to construction trusts and business accounting. V. Moshankov, A. Raikher. Dem. i kred. 20 no. 12:63-67 D '62.

Expand credit to intercollective farm construction organizations. I. P. Dzhal'ekii. Uchet i fin. v kolhoz. i sovkh. 18 no. 5:44-45 My '62.

Udenich, N. V. [Introduce business accounting in construction brigades] Stroitel'nye brigady - na khozraschet. Moskva, Gosstroizdat, 1962. 15 p. (V pomoshch' ekonomicheskemu obrazovaniiu rabochikh, brigadirov i masterov-stroitelei)

Payments for finished construction and assembly work based on the percentage of prepared estimates. A. Pozdnakov. Dem. i kred. 20 no. 11:67-73 N '62.

Payments for the work of building machinery and equipment. Ekon. stroi. no. 1:63-64 Ja '63.

A progressive form of payment. Z. Milovidova. Fin. SSSR 23 no. 12:35-36 D '62.

Role of below limit investments in construction. L. Beregovoi and others. Plan, khoz. 40 no. 2:51-58 F '63.

Sokhvataev, P. V. [Balance of the incomes and expenditures of construction organizations; calculation methods and preparation procedures] Balans dokhodov i rashodov stroitel'nykh organizatsii; metody raschetov i podindok sostavleniia. Moskva, Gosfinizdat, 1962. 167 p.

CONSTRUCTION INDUSTRY—HYGIENIC ASPECTS see subdivision under Sverdlovsk; Tashkent

CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY

Analysis of the factors in the growth of labor productivity using the theory of correlation. E. El'gort. Ekon. stroi. no. 1:31-37 Ja '63.

Increasing labor productivity is the criterion of our progress. Ekon. stroi. no. 1:3-5 Ja '63.

The seven-year plan tasks in increasing labor productivity must be fulfilled. G. Gribin, A. Rotshtein. Ekon. stroi. no. 1:11-18 Ja '63.

CONSTRUCTION INDUSTRY—MANAGEMENT

(see also subdivision under Chirchik; Kazakhstan; Zaporozhye; Zyrinovsk)

On the problem of the further improvement of construction management. V. Evropin. Ekon. stroi. no. 1:37-42 Ja '63.

CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS see subdivision under Moscow

CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Omsk

CONSTRUCTION WORKERS

Burn brightly in the direction of the beacon lights. B. Dzhegutanov, A. Ponomarev. Sov. voen. 45 no. 1:18-19 Ja '63.

CONTAINERS

(see also subdivision under Noril'sk)

How we save boxes and containers. N. Vedenko. Sov. potekh. koop. 6 no. 12:8-9 D '62.

CONTAINERS—ABSTRACTS

[Container shipments and the interaction of various types of transportation] Ref. zhur. Otd. vyp. 31: Vzaïmotsvet. raz. vid. transp. i kont. perav. no. 1 Ja '63.

CONTAINERS—DISINFECTION

Molot thermal method for disinfecting containers. F. T. Lul'tayn, F. M. Silnitskii. Zashch. rast. ot vrod. i bol. 5 no. 3:40-49 Mr '60.

CONTAINERS, FLOATING

"Dracone"-type flexible vessels for the transportation of liquid cargoes (from "Engineer," no. 5480, 1961). A. G. Vorob'ev. Sudostroenie 28 no. 10:59-62 O '62.
Formulas for calculating the strength of free floating flexible container shells. B. I. Druz', V. E. Margula. Sudostroenie 28 no. 10:10-11 O '62.
Two approximate formulas for calculating flexible cylindrical containers. A. G. Vorob'ev. Sudostroenie 28 no. 10:12 O '62.

CONTINENTS

Do continents float? Gleb Golubev. Vokrug sveta no. 12:38-39 D '62.

CONTINUOUS CASTING

Horizontal continuous steel casting for electric slag refining. V. T. Sladkosheev, O. A. Shatagin, M. A. Kuritskii. Met. i gornorud. prom. no. 5:20-23 S-O '62.

CONTRACTS

Combination of governmental planning and guidance with self-initiated activity and enterprise in contractual relations. Z. M. Zamangol. Sov. gos. i pravo 33 no. 2:33-44 F '63.

Russia (1923- U. S. S. R.) Laws, statutes, etc.

[Collected laws on economic contracts] Khoz. i shtetvennye dogovory; sbornik normativnykh aktov. Moskva, Gosurizdat, 1962. 601 p.

Termination and amendment of contracts in the practice of arbitration agencies. Z. Zamangol. Sots. zakon. 40 no. 1:84-88 Ja '63.

CONTRACTS, MARITIME

(see also subdivision under Great Britain; Poland)

A decision of the Maritime Arbitration Commission attached to the All-Union Board of Trade. Inform. sbor. TSNIIMF no. 82 Mor. pravo i prak. no. 16:82-83 '82.

Shipowners' liability for not loading cargo within the agreed month according to the Regulations of the Council for Labor and Defense of September 29, 1934. A. K. Kravitsav. Izv. vya. ucheb. zav.; prav. 6 no. 4:137-139 '82.

CONTROL (PSYCHOLOGY)

Learn to control yourself. I. K. IAmushevskii. Zdorov'e 8 no. 12:2-3 D '82.

CONTROLLED FUSION

British research in the field of controlled thermonuclear fusion [translated from the English]. J. Cockroft. Atom. energ. 14 no. 1:65-71 Ja '83.

CONVERGENCE

Certain properties of bases of absolute convergence. B. E. Vets. Usp. mat. nauk 17 no. 6:135-142 N-D '82.

CONVERTERS, ELECTRIC see Electric current converters

CONVERTIN

Familial and congenital forms of hypoconvertinemia in childhood [with summary in English]. A. M. Abezgauz, L. S. Kucher. Vop. okh. mat. i det. 7 no. 9:31-35 S '82.

CONVEX SURFACES

Stability of the solution to Minkowski's problem [with summary in English]. I. A. Volkov. Vest. LGU 18 no. 1:33-43 '83.

CONVEYING MACHINERY

(see also subdivision under United States)

Automatic dispatching of operations of a pushing overhead conveyor. M. I. Rabinovich. Mekh. i avtom. protzv. 16 no. 12:45-47 D '82.

Canilover portable stacker. V. S. Beloguzov. Gor. zhur. no. 5:71-72 My '82.

Conveyor for carrying away stone blocks. Kh. V. Israelian. Stroi. i dor. mash. 7 no. 11:30 N '82.

Conveyor thrower mechanisms used by food industry enterprises in the U.S.S.R. and in foreign countries. A. A. Kukibnyi. Khar. prom. no. 4:3-10 Q-D '82.

Improving methods of tapping ore deposits at great depths. P. N. Taran, I. I. Mikhailov, G. E. Simforov. Gor. zhur. no. 5:23-25 My '82.

A nomogram for selecting the parameters of screw conveyor. N. I. Geras'kov. Mekh. i elok. sois. sel'khoz. 20 no. 6:55-58 '82.

Selecting optimal parameters of screw elevators operating in an open casing [in Armenian with summary in Russian]. V. A. Ambartsumyan. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9:10:21-27 '82.

Selection of turboclutches for conveyor drives. V. M. Berman. Mekh. i avtom. y gornoi prom. no. 2:227-243 '82.

Study of a weighing process on belt conveyors. N. K. Chertkov. Teploenergetika 9 no. 12:28-31 D '82.

They substituted belt conveyors for screw conveyors. S. Fainberg. Muk. -elev. prom. 28 no. 10:27-28 O '82.

Turning chain conveyor. I. A. V. Zetov, K. A. Seravkin. Splav. prom. 28 no. 8:19-21 '82.

CONVEYING MACHINERY—BRAKES

Prolonging the life of ball brakes of the bucket chain. I. Gurtakis. Muk. -elev. prom. 28 no. 10:26-27 O '82.

COOKERY

(see also subdivision under Hungary)

Advice for a cook. Sov. potreb. koop. 6 no. 11:59 N '82.

Cookery. Rab. i sial. 38 no. 5:24 My '82.

Cookery. Rab. i sial. 38 no. 12:23 D '82.

From the cook's notebook. N. Kovalev. Obshchestv. pit. no. 12:26 D '82.

From the cook's notebook. Obshchestv. pit. no. 11:26-27 N '82.

Home cooking recipes. Obshchestv. pit. no. 11:62-63 N '82.

How to use vegetable oils and cooking fats. Obshchestv. pit. no. 12:29-30 D '82.

Receipts for home cookery. I. Veingardt. Obshchestv. pit. no. 12:61-62 D '82.

COOKERY (FISH)

Fish day. M. Afreimova. Obshchestv. pit. no. 11:32-33 N '82.

COOKERY (PORK)

Second course dishes made with semiprocessed products. N. Iavich. Obshchestv. pit. no. 12:27-29 D '82.

COOKERY (VEGETABLES)

Advice to the cook. I. A. Spartakov. Obshchestv. pit. no. 11:24-25 N '82.

COOKERY, CAUCASIAN

Advice to the cook. S. Protopopov. Obshchestv. pit. no. 12:24-25 D '82.

COOKERY, GEORGIAN

Sulakvelidze, Tamara. [Georgian cookery] Gruzinskii bludn. Tbilis. Izd-vo M-va trgovli Gruzinskoi SSR, 1962. 382 p.

COOKERY FOR THE SICK

Russia (1917- R. S. F. S. R.) Ministerstvo trgovli. [Dietetic cookery in eating establishments] Dieticheskoe pitanie v stolovykh; sbornik retseptov i tekhnologiya pri-gotovleniya blud. Moskva, Gos. izd-vo targ. lit-ry, 1962. 262 p. (DNLM)

COOKING SCHOOLS see subdivision under Moscow

COOLING

Kolenko, E. A. [Thermoelectric cooling devices] Termoelektricheskie okhlazhdatel'skie pribory. Moskva, Izd-vo Akad. nauk SSSR, 1963. 180 p.

COOLING TOWER

Effect of geometrical defects in assembly on the redistribution of internal forces in the steel frame of a cooling tower. A. S. Saulin. Prom. stroi. no. 10:54 '82.

COOPERATIVE EDUCATION see Education, Cooperative

COOPERATIVE SOCIETIES

(see also subdivision under Africa; Asia; Estonia; France; Georgia; Khartaysk District; Kiev Province; Lvov Province; Novosibirsk Province; Pinska District; Rakhov District; Stavropol Territory; Tagirskent-Kaznashar; Tyumen' Province)

Advance of communism. Sov. potreb. koop. 6 no. 11:1-3 N '82.

At the Executive Committee session of the International Cooperative Alliance. M. Utkin. Sov. potreb. koop. 6 no. 12:52-53 D '82.

[Consumers' cooperatives in the U.S.S.R.] Potrabitel'skaya kooperatsiya SSSR. Moskva, Izd-vo TSentrsozuzna, 1962. 154 p. (chiefly illus.) [Parallel texts in Russian, English, French, and Spanish]

Cooperation as popular organization for the masses. I. A. Kistanov. Sov. potreb. koop. 6 no. 11:43-47 N '82.

Editor's mail. P. Radchenko and others. Sov. potreb. koop. 6 no. 11:46-50 N '82.

Editor's mail. Sov. potreb. koop. 6 no. 12:42-43 D '82.

I saw your successes with my own eyes. Sadao Nakaba-lai. Sov. potreb. koop. 6 no. 12:54 D '82.

Let's cherish the honor of the cooperative society worker. G. Panchenko. Sov. potreb. koop. 6 no. 12:24-25 D '82.

Let's lead our economy carefully and professionally. A. Balashov. Sov. potreb. koop. 6 no. 12:1-5 D '82.

Some problems of the International Cooperative Alliance. Gerhard Lucht. Sov. potreb. koop. 6 no. 12:40-61 D '82.

COOPERATIVE SOCIETIES—ACCOUNTING see subdivision under Obukhov District

COOPERATIVE SOCIETIES—AUDIO-VISUAL AIDS

Kornilov, D. M., comp. [The economics and planning of Soviet cooperative trade] Ekonomika i planirovaniye sovetskoi kooperatsionoi (torgovli); al'bum nagladnykh posobie, Moskva, Izd-vo TSentrsozuzna, 1961. [1] p. 82 l.

COOPERATIVE SOCIETIES—AUDITING AND INSPECTION see subdivision under Abdullno (Orenburg Province)

COOPERATIVE SOCIETIES—CONGRESSES

Economic conferences. Sov. potreb. koop. 6 no. 11:29 N '82.

COOPERATIVE SOCIETIES—FINANCE

Planners of rural cooperative societies as organizers of economic work. A. Tsetlin. Sov. potreb. koop. 6 no. 11:17-19 N '82.

COORDINATES

Complex climatic system of coordinates. V. V. Rod-kevich. Nauch. trudy LTA no. 94:131-144 '82.

COPEPODA see subdivision under White Sea

COPPER

Effect of chlorine ions on the flotation of cement copper. S. I. Mitrofanov, E. E. Rozin, V. I. Meshechinova. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:179-184 N '82.

Mechanical properties of powdered copper as dependent on its porosity. K. V. Savitskii and others. Izv. vya. ucheb. zav.; fiz. no. 6:57-63 '82.

COPPER—ANALYSIS

Determination of copper by conductometric titration with lithium citrate. G. B. Pasovskaya. Izv. vya. ucheb. zav.; khim. i khim. tekhn. 5 no. 5:850-852 '82.

COPPER—ELECTROMETALLURGY

Optimum current density in the electrorefining of copper. A. I. Levin, M. I. Nomberg. TSvet. met. 35 no. 9:20-37 S '82.

COPPER—ALUMINUM ALLOYS

Effect of purity on the nature of ordering in Cu-Al solid solutions. Part 2. V. P. Fadin, V. E. Panin. Izv. vya. ucheb. zav.; fiz. no. 6:85-89 '82.

COPPER—ALUMINUM ALLOYS—ELECTRIC PROPERTIES

Variation of the electric resistance of Cu-Al solid solutions during heat treatment. V. E. Panin, V. P. Fadin, E. F. Dudarev. Izv. vya. ucheb. zav.; fiz. no. 6:48-51 '82.

COPPER—ALUMINUM—LITHIUM ALLOYS see Aluminum-copper-lithium alloys

COPPER COMPOUNDS

Catalase active systems. Part 3: System Cu²⁺-isopropylamine. T. P. Vorob'eva, A. P. Purnall, Zhur. fiz. khim. 36 no. 12:2780-2782 D '82.

COPPER—GOLD ALLOYS

Electron-positron annihilation in ordered alloys. I. A. Dekhtiar, S. G. Litovchenko, V. S. Mikhailov. Dokl. AN SSSR 147 no. 6:1332-1335 D '82.

COPPER IN THE BODY

Copper content in the cerebrospinal fluid of children with tuberculous meningitis. M. P. Lapidus. Zdrav. Bel. 8 no. 12:15-17 D '82.

Study of the copper trace element content in X-ray dermatitis. A. T. Sosnovskii, Z. I. Orlova. Zdrav. Bel. 8 no. 12:45-47 D '82.

COPPER INDUSTRY see subdivision under Kirovograd

COPPER IODIDE CRYSTALS

Some structural characteristics of the cubic modification of copper iodide (γ -CuI). R. M. Kurdimova, S. A. Semiletov. Kristallografiya 7 no. 3:365-370 My-Je '82.

COPPER MINES AND MINING see subdivision under Degtyarka (Sverdlovsk Province)

COPPER OXIDE—SPECTRA

Zeeman effect for the yellow exciton series in high magnetic fields. E. F. Gross and others. Fiz. tver. tela 5 no. 1:327-338 Ja '83.

COPPER OXIDE CRYSTALS—SPECTRA

Piezomagneto-optical study of quadrupole exciton transition in Cu₂O crystals. V. T. Agekian and others. Fiz. tver. tela 5 no. 1:315-319 Ja '83.

COPPER PIPE see Pipe, Copper

COPPER SULFIDE

Oxidation rate of copper sulfides. A. I. A. Baibakunov, M. I. Vdovenko, L. M. Ershina. Izv. AN Kazakh. SSR. Ser. energ. no. 2:63-70 '82.

COPPER-TIN ALLOYS—HARDENING

Aging of a eutectoid composition copper-tin alloy. M. I. Zakharova, I. B. Mogaryakova. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:147-149 N-D '82.

COPYRIGHT, INTERNATIONAL

Refusal of the Soviet Union to join copyright conventions. M. S. Mamontov. Izv. vya. ucheb. zav.; prav. 6 no. 4:128-132 '82.

CORE DRILLING

Classifying the directions of curves in core holes resulting from their geological position, magnitude of contact angles, and physico-mechanical properties of rocks. I. U. T. Morozov. Izv. vya. ucheb. zav.; geol. i razv. 5 no. 9:120-127 S '82.

CORE DRILLING—EQUIPMENT AND SUPPLIES

Double core barrel drill permitting the feed of plugging material through drill pipes. V. V. Bol'shakov. Izv. vya. ucheb. zav.; geol. i razv. 5 no. 9:128-131 S '82.

CORES (ELECTRICITY)

Matveev, G. A., and V. I. Khomich. [Electric coils with ferrite cores] Katushki s ferritovymi serdtschnikami. Moskva, Gosenergizdat, 1962. 36 p. (Massovaya radiobiblioteka, no. 443)

CORK TREE—DISEASES AND PESTS

Biological method for controlling the root rot of cork oak caused by Phytophthora cinnamomi. D. A. Globa-Mikhailenko. Zashch. rast. ot vred. ibol. 5 no. 7:55 JI '80.

CORN (MAIZE)

(see also subdivision under Chernovtsy District; Krasnodar Territory; Latvia; Polesye; Ryazan Province; Ukraine; Uzbekistan; Vasil'kovsk District; Vladimir Province)

Accounting for corn. G. I. Makhov. Uchet i fin. v kolhoz. i sovkh. 19 no. 5:12-17 My '82.

CORN (MAIZE) (Continued)

- Biochemical changes in the caryopsis of corn during chilling. N. N. Budurian, G. V. Kandina. Vop. fiziol. i biokhim. kult. rast. no. 1:33-44 '62.
- Blower-type sprayer for weed control in corn. S. F. Prokopenko. Zashch. rast. ot vred. i bol. 5 no. 6: 18-19 Je '60.
- Change in the grains of corn under the influence of increased doses of 2,4-D. N. G. Nikolaeva, S. G. Ivannikov. Uch. zap. Tif. gos. ped. inst. no. 9:201-205 '60.
- Danilenko, I. A. [Ensilage of corn] Silosovanie kukuruzy. [Khar'kov] Khar'kovskoe oblasnoe izd-vo, 1957. 43 p. (DNAL)
- Development of the root system in corn. V. M. Grinev. Vest. sel'khoz. nauki 7 no. 10:30-40 O '62.
- Effect of the depth of plowing on the nutrition of corn from soil. S. D. Lysogorov, L. K. Leneta. Agrobiologia no. 6:882-885 N-D '62.
- It is simpler and better. V. N. Tabashnikov. Uchet i fin. v kol'khoz. i sovkh. 19 no. 5:18-19 My '62.
- One hundred stories about corn. I. Shatan, V. mire knig 3 no. 1:13 Ja '63.
- Organizational and economic evaluation of using herbicides in corn planting. M. I. Siniukov. Dokl. TSKHA no. 75:239-245 '62.
- Physiological difference in the quality of the caryopses in the corn ear. L. L. Lapteva. Uch. zap. Kulb. gos. ped. inst. no. 37:57-59 '62.
- Sensitivity of corn to almatine. I. A. Makodzeba, A. V. Pislunov. Zashch. rast. ot vred. i bol. 5 no. 7:30 Ji '60.
- Separating corn germs at feed mills. P. Regida, M. Melnikov, M. Kuznetsov. Muk.-elev. prom. 28 no. 10:8 O '62.
- Using phosphobacterin in sowing corn. IU. K. Kudzin. Zemledelie 24 no. 11:63-65 N '62.
- Whose harvest is the richest? IU. nat. no. 1:5 Ja '63.

CORN (MAIZE)—DISEASES AND PESTS

(see also subdivision under Armenia; Azerbaijan; Cherkassy Province; Kursk Province; Odessa Province; Pruzhany District; Rostov Province; Ufa District)

- Applying new insecticides in controlling corn pests [in Latvian with summary in English]. J. Cinovskis, K. Jegina. Izv. AN Latv. SSR no. 4:103-107 '61.
- Combined disinfectant for corn seeds. L. P. Roktanon. Zashch. rast. ot vred. i bol. 5 no. 6:30 Je '60.
- The corn smut *Ustilago zeae* and chemical weed control in corn. IU. A. Leont'eva. Zashch. rast. ot vred. i bol. 5 no. 6:24-25 Je '60.
- Disinfection and bacterizing corn seeds. I. V. Iaroshovich, N. I. Vlasova. Zashch. rast. ot vred. i bol. 5 no. 3:22-23 Mr '60.
- Kalashnikov, K. I. A., and I. D. Shapuro. [Corn pests and diseases] Vrediteli i bolezni kukuruzy. Leningrad, Sel'khozizdat, 1962. 188 p. (Vrediteli i bolezni sel'skokhoziaistvennykh rastenii) (DNAL)
- Protecting corn against the Swedish fly. N. S. Karavaniuk. Zashch. rast. ot vred. i bol. 5 no. 8:26-27 Je '60.
- Studying physiologically active substances secreted by the causative agents of common corn smut. A. D. Volodarskii. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:157-165 '62.
- TMTD against common corn smut. A. P. Afonina, M. S. Verba. Zashch. rast. ot vred. i bol. 5 no. 10:33 O '60.
- Using microelements in controlling the corn smut *Ustilago zeae*. E. E. Gashelov, O. I. U. Valt'ar. Vest. sel'khoz. nauki 7 no. 10:40-4 O '62.
- What the experiments of the Corn Institute tell. G. A. Andreeva. Zashch. rast. ot vred. i bol. 5 no. 5:30-31 My '60.

CORN (MAIZE)—DRYING

- Observe strictly fire prevention measures in drying corn with mobile hot-air ventilation units. G. Zima. Muk.-elev. prom. 28 no. 12:15-18 D '62.

CORN (MAIZE)—FERTILIZERS AND MANURES see subdivision under Polesye; Sevan Lake region; Ukraine

CORN (MAIZE)—HARVESTING see subdivision under Novoukrainka District

CORN (MAIZE)—IRRIGATION

(see also subdivision under Kazakhstan)

- Regulating the water balance of corn [in Armenian with summary in Russian]. A. D. Avetisyan, M. S. Smbatian. Izv. Glav. upr. sel'khoz. nauk i podgol. kad. Arm. SSR 5 no. 9:10:81-88 '62.

CORN (MAIZE)—STORAGE

- Chemical preservation of forage corn with a high moisture content. M. Taranov, B. Fadeev, M. Prokhorov. Muk.-elev. prom. 28 no. 10:7-8 O '62.

CORN AS FEED

- Effect of feeding various amounts of corn on the growth, development, and reproductive capacities of young swine raised for breeding purposes. G. M. Pochorniaeva, Nauch. trudy Polt. nauch. i issl. inst. svin. 22: 74-85 '62.

- Effect of sodium sulfate on the quality of corn silage and the productivity of cows fed with it. F. I. Palfii, I. A. Nakonechna, A. I. Vasylenko. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. ratsiv. URSS 14 no. 4:44-47 '61.
- Effectiveness of fattening swine for meat on rations of corn combined with legumes. I. G. Briushin. Nauch. trudy Polt. nauch. i issl. inst. svin. 22:36-43 '62.
- Efficient combining of protein feeds in rations with a prevalence of corn in raising and fattening young swine. I. L. Borts. Nauch. trudy Polt. nauch. i issl. inst. svin. 22:3-17 '62.
- Increasing the protein value of corn silage [with summaries in English, German, and French]. S. I. A. Zafren. Vest. sel'khoz. nauki 7 no. 5:55-56 My '62.

CORN BREEDING

- Experimental androgenesis in corn. D. F. Petrov, N. B. Zhelezneva. Dokl. AN SSSR 147 no. 6:1470-1472 D '62.
- Investigating pollination selectivity in corn. P. Raika, I. Popovich. Agrobiologia no. 6:824-832 N-D '62.

CORN PRODUCTS

(see also subdivision under Moscow)

- Russia (1917- R. S. F. S. R.) Upravlenie pishchevoi promyshlennosti. [Technical specifications for making the new sparkling beverages with low-alcohol content and desert-type wines from corn must] Tekhnicheskii dokumentatsiia po proizvodstvu novykh slabookolgnykh i gristnykh napitkov i desertnogo vina iz kukuruzygo syr'ia. [Moskva] Gosmestpromizdat, 1962. 33 p.

CORN-STALK DISEASE see Hemorrhagic septicemia of cattle

CORONARY HEART DISEASE

- Changes in the ballistocardiogram of patients suffering from chronic coronary insufficiency [with summary in English]. L. L. Orlov. Vop. kard. 2-go MGMI no. 2:177-185 '62.
- Electrocardiogram of patients suffering from chronic coronary insufficiency [with summary in English]. L. L. Orlov, O. S. Gushchikina. Vop. kard. 2-go MGMI no. 2:101-127 '62.

CORONARY VESSELS

- Action of folliculin and oclsterol on the coronary vessels of the heart [with summary in English]. P. I. Ontaev, E. O. Rabuhko. Trudy Ukr. nauch. i issl. inst. eksport. endok. 18:326-332 '61.

CORPORATIONS see subdivision under United States

CORPULENCE

- Charging the obesity. I. A. Kasal'skii. Zdorov'e 6 no. 12:20-21 D '62.

CORPUSCULAR THEORY OF MATTER see Electrons

CORRELATION (STATISTICS)

- Analysis of the factors in the growth of labor productivity using the theory of correlation. E. El'gori. Ekon. strol. no. 1:31-37 Ja '63.

CORRESPONDENCE SCHOOLS AND COURSES

(see also subdivision under Kazakhstan; Knesshina)

- Let's improve the academic schedule of correspondence students. I. Grigor'ev. Sred. spets. obr. 10 no. 1: 17-20 Ja '63.
- One thing in words and another thing in fact. P. Rybkin. Komm. Vooruzh. Sil 3 no. 1:59 Ja '63.
- Reviewing the tests of correspondence students. G. A. Duf'nev. Sred. spets. obr. 10 no. 1:26-23 Ja '63.
- Strengthen the system of improving qualifications through correspondence school training. V. A. Laimbek. Uchet i fin. v kol'khoz. i sovkh. 19 no. 5:54-57 My '62.

CORROSION AND ANTICORROSIVES

- Anticorrosive bitumen coatings for reinforcing bars in oil-shale ash concrete [with summary in German]. N. Dikatorskii, L. Oit, A. Bel'chenko. Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk 11 no. 4:286-302 '62.
- Barakov, V. P., ed. [Corrosion and the protection of metals] Korrozii i zashchita metallov; sbornik statei. Moskva, Oborongiz, 1962. 193 p.

- Extending the life of steel braces in the walls of large-panel buildings. A. Shishkin and others. Zhil. stroi. no. 1:6-8 '62.

- Moschanskii, N. A. [Increasing the stability of building materials and elements under the conditions of corrosive atmospheres] Povyshenie stoikost'i stroitel'nykh materialov i konstruktsii, rabotashchikh v usloviakh agressivnykh sred. Moskva, Gosstroizdat, 1962. 234 p.
- Specialized exhibition on "Means for preventing corrosion of metals and building materials." G. A. Pavlov. Mashinostroenie no. 5:65-69 S-O '62.

CORROSION AND ANTICORROSIVES—CONGRESSES

- Symposium on Corrosion and Anticorrosives for Metals. N. D. Tomashov. Vest. AN SSSR 33 no. 1:84-85 Ja '63.

CORROSION-RESISTANT MATERIALS

- Some methods of evaluating plastic lining materials in their relation to corrosive liquids. N. S. Tkhomirova, K. I. Zernova, V. N. Kot'relev. Plast. massy no. 12: 40-45 '62.

CORTICOSTEROIDS

- Effect of pregnancy and labor on corticosteroid content in adrenal gland tissue and in the blood of rabbits [with summary in English]. V. P. Mikhedko. Trudy Ukr. nauch. i issl. inst. eksper. endok. 18:237-243 '61.

CORYNEBACTERIUM

- Variant of *Corynebacterium ovis* in the bile of sheep, a changed form of the causative agent of infectious polyarthritis in lambs. Report No. 6. I. A. Farzaliyev. Trudy Azer. nauch. i issl. inst. vet. inst. 13:71-75 '62.

COSMIC DUST

- Acceleration and distribution of fast particles in interplanetary space. Juan G. Roederer. Geomag. i aer. 2 no. 6:1033-1040 N-D '62.

COSMIC PHYSICS

- Cosmic physics. G. A. Skuridin. Priroda 52 no. 1:3-15 '63.
- A role of cosmic factors in the manifestation of mud volcanism. G. P. Tamrazian. Uch. zap. AGU. Geol.-geog. ser. no. 1:37-94 '62.

COSMIC RAYS

- Azimuthal μ -meson telescope of the cosmic ray station of Kazakh State University. L. V. Kozak and others. Geomag. i aer. 2 no. 6:1148-1150 N-D '62.
- Electromagnetic fluctuations in the terrestrial pole. M. A. Ginteburg. Geomag. i aer. 2 no. 6:1142 N-D '62.
- Extensive air showers of cosmic rays. S. I. Nikol'skii. Usp. fiz. nauk 78 no. 3:365-410 N '62.
- Investigation of cosmic rays and the terrestrial corpuscular radiation by means of rockets and satellites. S. M. Vtornov, O. E. Chudakov. Dos. such. fiz. no. 6: 17-33 '62.
- Possibility of using Geiger counters in new ways for uninterrupted recording of cosmic rays. I. A. L. Blokh. Geomag. i aer. 2 no. 6:1150-1152 N-D '62.

COSMIC RAYS—PHYSIOLOGICAL EFFECT

- Danger, radiation! V. Antypov. Nauka i zhytiia 12 no. 11:14-15 N '62.

COSMOLOGY

- Bogorodskii, A. F. [Einstein's field equations and their use in astronomy] Uravneniia polia Einsteina i ikh primeneniia v astronomii. [Kiev] Izd-vo Kievskogo univ., 1962. 195 p.

- The cosmos is full of riddles. V. Komarov. Sam'ia i shkola 17 no. 9:36-38 S '62.
- Initial stages of the evolution of the universe. I. A. B. Zel'dovich. Atom. energ. 14 no. 1:92-99 Ja '63.

COSMOS (BOTANY)

- Change in the anatomical structure of the shoot apex in the ontogenesis of *Cosmos bipinnatus* Cav. [with summary in English]. V. K. Vasilevskaya. Bot. zhur. 47 no. 11:1553-1556 N '62.

COSACK TALES see Tales, Cossack

COST AND STANDARD OF LIVING

(see also subdivision under Korea, North; Rumania; Spain)

- Public funds and support of the disabled. E. Valiev. Sots. obshch. 23 no. 9:20-23 S '62.

COST OF ARMAMENTS see Armaments, Cost of

COSTS, INDUSTRIAL

- Improve methods for calculating production costs. A. Sumisov. Plan. khoz. 40 no. 2:35-43 F '63.
- Planning and the estimate of the labor requirements of the national economy. I. Doroshin. Plan. khoz. 40 no. 2:8-10 F '63.
- "Production costs in the heavy industry of the U. S. S. R." by R. S. Livshits. Reviewed by P. Potemkin, G. Zakharov. Vop. ekon. no. 12:111-113 D '62.

COTTON

- Lamb in a... pumpkin. I. Vol'per. IU. nat. no. 12:10-12 D '62.

COTTON—DISEASES AND PESTS

(see also subdivision under Tajikistan; Turkmenistan; Ukraine; Uzbekistan)

- In a field crop brigade. R. T. Manukian. Zashch. rast. ot vred. i bol. 5 no. 7:13-14 Ji '60.
- Should cottonseed cakes be excluded from the means for controlling the bollworm? R. N. Zashch. rast. ot vred. i bol. 5 no. 10:28-29 O '60.
- Spectos and significance of cotton bollworm. I. A. Somov. Zashch. rast. ot vred. i bol. 5 no. 6:44-45 Je '60.
- The way is barred to foreign cotton pests. A. K. Markin. Zashch. rast. ot vred. i bol. 2 no. 6:48-51 N-D '67.

COTTON—FERTILIZERS AND MANURES

- Comparative effect of joint application of manure and mineral fertilizers on cotton yield [with summary in English]. F. A. Skrinbin. Pochvovedenie no. 11:82-88 N '62.

COTTON—IRRIGATION

(see also subdivision under Armenia)

Medina, M. P. [Water balance of cotton planted in checkrows] Vodnyi razhim khlopchivnika pri kvadratno-gnezdom sposobe poseva. Tashkent, Izd-vo Akad. nauk UzSSR, 1968. 31 p.
(DNAL)

COTTON—TESTING

Automatic device and method for determining the maturity and class of cotton fibers. E. G. Elges, V. M. Kushner. Nauch.-issl. trudy TSNIKHBI za 1958 g. 172-84

COTTON BREEDING see subdivision under Bulgaria

COTTON BREEDING—RESEARCH see subdivision under Uzbekistan

COTTON GROWING

(see also subdivision under Golodnaya Steppe; Koshkuyr District; Shurchi District; Uzbekistan)

Optimal depth for tillage layer in cotton growing from the viewpoint of soil science and farm practice [with summaries in English, German, and French]. S. N. Ilyzhov. Vest. sel'khoz. nauki 7 no. 5:21-27 My '62. The optimum size of collective and state cotton farms and their sections. K. Lapkin, A. Davydov. Komm. Uz. 34 no. 10:36-40 O '62.

Organization of mechanized fall work in cotton growing. M. Topada. Tekh. v sel'khoz. 22 no. 11:4-8 N '62. Pruning stems without a counter-cutting part [with summaries in English, German, and French]. B. G. Raev. Vest. sel'khoz. nauki 7 no. 11:98-104 N '62.

COTTON GROWING—LABOR PRODUCTIVITY see subdivision under Karakalpak A. S. S. R.

COTTON MANUFACTURE

Development of the cotton manufacturing industry during the years of the Soviet regime. D. I. Kozlova. Uch. zap. MGPI 104:111-146 '61.

COTTON MANUFACTURE—TECHNOLOGICAL INNOVATIONS see subdivision under Chirchikent

COTTON PICKING see subdivision under Uzbekistan

COTTON—PICKING MACHINERY

(see also subdivision under Uzbekistan)
Economic effectiveness of cotton-picking machinery. V. Platonov. Komm. Uz. 34 no. 10:31-37 O '62.

COTTON SIZING

Rapid method of sizing the "Art. 4224" percent. G. M. Smirnov, O. V. Kratynskaya. Tekst. prom. 22 no. 12: 50-60 D '62.

COTTONSEED PRODUCTS AS FEED

Are cottonseed cakes and hulls from plants treated with systemic poisons during the vegetative period harmful to animals? F. F. Pergat. Zashch. rast. ot vrezd. i bol. 4 no. 5:59 S-O '62.

COUMARONE-INDENE RESINS

Polymerization of a coumarone-indene fraction of a light oil obtained by petroleum pyrolysis using a ferric chloride catalyst on silica gel. P. D. Shikhmalzade, I. A. Gukhman. Izv. vya. ucheb. zav. i nef. i gaz. 5 no. 4:55-58 '62.

COUNTING DEVICES

Malzel, L. M. [Methods for automatic counting of piece production] Metody avtomaticheskogo ucheta shtuchnoi produktii. Moskva, Gosenergoizdat, 1962. 119 p. Biblioteka po avtomatike, no. 63

COUPLINGS

Distributive couplings instead of flexible hoses. E. Gashchina. Tekh. v sel'khoz. 22 no. 11:84 N '62.

COURTS

(see also subdivision under Kirghizistan; Yoshkar-Ola)

Let us promote public participation in the work of Soviet courts. Sov. iust. no. 1:1-4 Ja '63.

Organization and work of Soviet courts during the large scale building of communism. T. N. Dobrovol'skaya. Sov. gos. i pravo 33 no. 1:92-101 Ja '63.

Our objectives. L. Smirnov. Sov. iust. no. 24:1-4 D '62.

Our suggestions. R. Strizhkova, I. U. Men. Sov. iust. no. 21:23-24 N '62.

COURTYARDS see subdivision under Moscow

COWPEAS see subdivision under Samarkand Province

COWS

Content of total nitrogen and reducing substances in the cervical secretion of cows [with summaries in English, German, and French]. I. I. Sokolovskaya and others. Vest. sel'khoz. nauki 7 64-72 My '62.

COWS—FEEDING AND FEEDS

Changes of the nitrogenous fractions of milk at various levels of protein nutrition of cows. I. P. Morozov, A. P. Sazonov, L. A. Frolov. Shor. stud. nauch.-issl. rab. TSKHA no. 11:311-312 '62.

Effect of fresh brewers yeast on the butterfat percentage of cows. A. V. Zhadan. Nauch. pratsi nsp. UASHN no. 5: 197-200 '60.

Effect of the level of protein nutrition of cows on the protein content of milk. S. A. Evatalev and others. Shor. stud. nauch.-issl. rab. TSKHA no. 11:315-318 '62.

COXSACKIE VIRUSES

Pathological anatomy of encephalomyocarditis in newborn infants caused by the Coxsackie virus. A. V. Chutkina. Zdrav. Bel. 8 no. 12:38-42 D '62.

CRABS see subdivision under Inagua Islands

CRACKING PROCESS

Kinetic equations of heptane reactions under the conditions of catalytic reforming. F. A. Feizkhanov, G. M. Panchukov, I. M. Kolesnikov. Neftekhimtia 2 no. 5: 716-722 S-O '62.

CRANES, DERRICKS, ETC.

Bracket cranes used in machinery plants. V. V. Biriakov. Mashinostroitel' no. 12:10-11 D '62.

Cranes or winches? S. G. Milov. Les. prom. 40 no. 10:18-19 O '62.

Creation of vertical ship raising rigs with continuously operating hydraulic jacks. N. A. Kalinin. Sudostroenie 28 no. 10:48-54 O '62.

Doubled cable cranes. A. Red'kin. Les. prom. 40 no. 10:7-8 O '62.

Experimental radio system for remote control of bridge cranes. L. V. Saulova and others. Avtom. i prib. no. 4:13-17 O-D '62.

Heat treatment of crane wheels. M. A. Tykin and others. Mashinostroenie no. 5:57-60 S-O '62.

The LKia-1 light mounted crane. Prom. stroit. i inzh. soor. 4 no. 5:57 S-O '62.

Loading round logs with the KKV-7, 5 cranes. A. Red'kin, M. Barykov. Les. prom. 40 no. 12:28-29 D '62.

Mechanizing cargo handling operations by means of gantry cranes. I. P. Strakalov, F. P. Rozhko. Sudostroenie 28 no. 10:44-45 O '62.

Modernization of metallurgical bridge-type cranes. S. A. Kazak. Trudy Ural. politekh. inst. no. 119:78-83 '62.

The SKK-IPR and SKK-IPS crane air conditioners. A. S. Shvedunenko. Khim. tekhn. 39 no. 6:72-73 N-D '62.

CRANES, DERRICKS, ETC.—BRAKES

Braking cranes when they are blown along tracks by the wind. A. G. Lysakov. Stroit. i dor. mash. 7 no. 12:11-13 D '62.

CRANIOMETRY

The coordinate measuring instrument and the measuring of the inferior angle of the horizontal profile of the face. M. M. Gerasimova, G. V. Lebedinskaya. Sov. etn. no. 6: 137-139 N-D '62.

CRANKS AND CRANKSHAFTS

Experimental determination of the trajectory of the main-journal center of the crankshaft of the D-54 diesel engine. K. G. Dudchenko. Izv. vya. ucheb. zav. i mashinost. no. 7:50-59 '62.

CRANKS AND CRANKSHAFTS—TESTING

Fatigue strength of GAZ engine crankshafts. V. A. Kukevitski, M. A. Artiukhov. Avt. prom. 28 no. 11:34-38 N '62.

CRAWLER TRACTORS

Preliminary evaluation of the economic efficiency of high-speed crawler tractors. I. P. Shpodarenko. Dokl. TSKHA no. 75:247-254 '62.

Solution to the problem of automatically stabilizing the movement of a tracklaying machine. V. T. Snaglin. Mekh. i avtom. v gornoi prom. no. 2:304-325 '62.

CREATIVE ACTIVITIES AND SEAT WORK

Try to make it. A. Zviagintseva. Sem'ia i shkola 17 no. 12:36-37 D '62.

CREDIT

(see also subdivision under Kirghizistan)

Konnikov, V. V. [Monetary circulation and credit in the U. S. S. R.] Deneghno obrashchenie i kredit SSSR. Kollektiv avtorov pod rukovodstvom V. Konnikova. Moskva, Gosfinizdat, 1962. 470 p.

New development in issuing credit secured by materials and goods as well as for seasonal expenditures. T. Chernyshova. Dom. i kred. 20 no. 12:68-78 D '62.

Novoselov, P. I. [Issuing credit to commercial organizations] Kreditovanie torgovykh organizatsii. Moskva, Gosfinizdat, 1962. 93 p. (V pomoshch' bankovskomu rabotniku)

(MH)

State credit is not being used as designated. V. Iudin. Sel. stroit. no. 12:17-18 D '62.

CREEP OF MATERIALS

Creep of celluloid under simple load. I. I. Bugakov. PMTF no. 5:163-167 S-O '62.

Solution of problems concerning the stability of plates in creep under the quasi-static theory. L. M. Kurashin. PMTF no. 5:154-158 S-O '62.

CREEP OF METALS

Annihilation of vacancies in the process of creep as a factor of increased heat resistance. V. N. Guliyev. Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl. no. 6:103-108 N-D '62.

Creep of refractory steel in a complex stressed state. I. I. Trunin. PMTF no. 5:159-162 S-O '62.

Short-term creep of aluminum alloys. S. T. Miletko, V. I. Telenkov. PMTF no. 5:168-174 S-O '62.

CREEP OF PLASTICS

Behavior of polyethylene under stresses in some corrosive media. N. A. Bokshitskaya, I. A. Khinov. Plast. massy no. 12:58-62 '62.

Deformation of plastics subjected to long-period compression. V. M. Shannikov, V. V. Meng. Plast. massy no. 12:62-65 '62.

CREEP OF TITANIUM

Creep of titanium-tin and titanium-zirconium-tin alloys. V. V. Glazova, N. N. Kurakov. Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl. no. 6:131-136 N-D '62.

CRIME AND CRIMINALS

(see also subdivision under France; United States)
Answering our readers' questions. Sov. deput. trud. no. 9:93-96 S '62.

Criminal offenses which disorganize the work of prisons and reformatories. V. Pinchuk. Sov. iust. no. 21:9-11 N '62.

[Pamphlet series in criminal procedure for people's assessors] Biblioteka narodnogo zasedaniia. po ugolovnomu protsessu. Moskva, Gosizdat, 1962. 9 nos. in 1 v.

Karev, D. S. [Pretrial investigation] Predvaritel'-noe rassledovanie.

Savgrova, N. M. [Indictment] Predanie suda.

Kurinov, B. A., and N. F. Kuznetsova. [The concept of crime] Poniatio prestuplenia.

Kriger, G. A. [Punishment and the imposition of penalty] Nakazanie i ego primeneniie.

Kutsova, E. F. [Sentence] Prigovor.

Kulashnikova, N. Ia. [The trial of criminal cases] Sudemoi razbiratel'stvo po ugolovnomu delu.

Tkachevskii, I. U. M. [Criminal responsibility for the theft of government and public property] Ugolovnaia otvetstvennost' za khshechenie gosudarstvennogo i obshchestvennogo imushchestva.

Durmanov, N. D. [Responsibility for the criminal violation of public safety and order, and the impairment of public health] Ugolovnaia otvetstvennost' za prestupleniia protiv obshchestvennoi bezopasnosti, obshchestvennogo poriadka i zdorov'ia naseleniia.

Mendel'son, G. A. [Criminal responsibility for manslaughter and assault and battery] Ugolovnaia otvetstvennost' za ubistvo i telesnye povrezhdeniia.

For a uniform definition of an "atrocious criminal offense committed by a recidivist." Sots. zakon. 39 no. 12:48-50 D '62.

"Methodological problems in the study and prevention of criminal offenses." Reviewed by A. A. Piontkovskii. Sov. gos. i pravo 33 no. 2:152-153 F '63.

Present-day bourgeois criminology. A. A. Gertsenzon. Sov. gos. i pravo 33 no. 2:115-123 F '63.

Producers of low-quality bathtubs were called to account. M. Avorubukh. Sots. zakon. 40 no. 1:73-74 Ja '63.

Responsibility for refusal to obey the orders of regular and voluntary policemen. N. Trofimov. Sov. iust. no. 1:19-21 Ja '63.

They must be punished. I. U. Zhitsinskii. Sov. iust. no. 21:10-11 N '62.

We should amend the laws on the punishment of loafers. S. Adushkin. Sov. iust. no. 21:12-13 N '62.

CRIME IN LITERATURE

The criminal topic in literature and life. Nov. vrem. 20 no. 6:19 F '63.

CRIME PREVENTION

(see also subdivision under Dubrovitsa District; Repki District)

Crime prevention is the important function of Soviet courts. V. I. Shiryvinskii, E. G. Koval'chuk, A. S. Shliapochnikov. Sov. gos. i pravo 33 no. 1:124-129 Ja '63.

How forensic expertise prevents criminal offenses. V. Zudin. Sov. iust. no. 21:17-18 N '62.

"Methodological problems in the study and prevention of criminal offenses." Reviewed by A. A. Piontkovskii. Sov. gos. i pravo 33 no. 2:152-153 F '63.

We should give constant attention to the prevention of criminal offenses. V. Pankratov. Sov. iust. no. 24: 18-19 D '62.

CRIMEA—AGARICAELES

Flora of agaric fungi in the Crimea [with summary in English]. M. Ia. Zerova. Ukr. bot. zhur. 10 no. 5:94-101 '62.

CRIMEA—APARTMENT HOUSES

Apartment house made of large stone slabs. V. Melik-Parsadanov, Sh. Zin'kov. Stroitel' arkhitekt. 10 no. 8: 20-22 Ag '62.

CRIMEA—BOTANICAL GARDENS

Nikita Botanical Garden is 150 years old. Stroitel' arkhitekt. 10 no. 8: 40 Ag '62.

CRIMEA—BUILDING STONE

Large wall slabs of natural stone. V. Brikanov. Stroitel' arkhitekt. 10 no. 8: 27-28 Ag '62.

CRIMEA—CALANOIDA

First find of a troglobiont of Calanoida (Crustacea, Copepoda) in subterranean waters. E. V. Borutskii. Dokl. AN SSSR 147 no. 6: 1499-1502 D '62.

CRIMEA—CAVE FAUNA

First find of a troglobiont of Calanoida (Crustacea, Copepoda) in subterranean waters. E. V. Borutskii. Dokl. AN SSSR 147 no. 6: 1499-1502 D '62.

CRIMEA—CHERRY FRUIT FLY—EXTERMINATION

Controlling the cherry fruit fly. G. A. Koz'menko. Zashch. rast. ot vred. i bol. 5 no. 3: 56 Mr '60.

CRIMEA—CITIES AND TOWNS

History of Crimean cities. Stroitel' arkhitekt. 10 no. 8: 35-39 Ag '62.

CRIMEA—CONSTRUCTION INDUSTRY

The development of a construction base. V. Zelenin, P. Koshmitko, S. Ryzhkov. Stroitel' arkhitekt. 10 no. 8: 6 Ag '62.

CRIMEA—FRUIT—DISEASES AND PESTS

Cooperation with collective and state farms. I. Z. Livshits, N. I. Petrushova, V. G. Korobitsin. Zashch. rast. ot vred. i bol. 5 no. 8: 10-13 Je '60.

Science helps. V. I. Strelets, S. A. Kis'riev. Zashch. rast. ot vred. i bol. 5 no. 6: 9-10 Je '60.

Studying orchard mites in the Crimea. V. I. Mitrofanov. Sbor. stud. nauch.-issl. rab. TSKHA no. 11: 167-168 '62.

CRIMEA—FRUIT CULTURE

The most important means for increasing orchard and vineyard yields. V. G. Komlakhov. Zashch. rast. ot vred. i bol. 5 no. 6: 5-8 Je '60.

CRIMEA—GEOLOGY, ECONOMIC

Crimea through the eyes of geologists. IU. Iurk. Nauka i zhyt'ia 12 no. 11: 40-41 N '62.

CRIMEA—HEALTH RESORTS, WATERING PLACES, ETC.

The building of health resorts. C. Epel'man, K. Rysenkov. Stroitel' arkhitekt. 10 no. 8: 4-5 Ag '62.

Improvement of public areas and services in resort cities. V. Sviderskii. Stroitel' arkhitekt. 10 no. 8: 7-8 Ag '62.

The outlook for the development of health resorts. A. Gerasimuk, E. Lipskii. Stroitel' arkhitekt. 10 no. 8: 2-3 Ag '62.

CRIMEA—OAK

Increasing the yield of oak forests in the Crimea. P. P. Posokhov. Les. khoz. 15 no. 11: 40-50 N '62.

CRIMEA—PARASITES—PLANT LICE

Fauna of aphid parasites (Hymenoptera, Aphididae) of the southern Crimea. P. Stary. Ent. obozr. 41 no. 4: 875-877 '62.

CRIMEA—PLANTS, ORNAMENTAL

Some little-known ornamental plants of the steppe flora of the Crimea and their utilization in landscape gardening. R. M. Borodina. Visnyk Bot. sada AN URSR no. 4: 84-90 '62.

CRIMEA—PLANTS, PROTECTION OF

Cooperation with collective and state farms. I. Z. Livshits, N. I. Petrushova, V. G. Korobitsin. Zashch. rast. ot vred. i bol. 5 no. 6: 10-13 Je '60.

The most important means for increasing orchard and vineyard yields. V. G. Komlakhov. Zashch. rast. ot vred. i bol. 5 no. 6: 5-8 Je '60.

CRIMEA—PLANTS, PROTECTION OF—RESEARCH

Science helps. V. I. Strelets, S. A. Kis'riev. Zashch. rast. ot vred. i bol. 5 no. 6: 9-10 Je '60.

CRIMEA—RED SPIDER

Studying orchard mites in the Crimea. V. I. Mitrofanov. Sbor. stud. nauch.-issl. rab. TSKHA no. 11: 167-168 '62.

CRIMEA—SHOOTING CONTESTS

Twice provincial champion. I. Vladimirova. Voen. znan. 39 no. 1: 31 Ja '63.

CRIMEA—TRANSPORTATION—TIMETABLES

[Train, motorship, trolley bus, bus, airplane and helicopter timetables for the Crimean health-resort visitor and tourist] Spravochnik kurortnika i turista Kryma o dvizhenii poezdov, tekhnicheskikh, troleibusov, avtomobilyev, samoletov, vertoletov. Simferopol', Krymizdat, 1962. 101 p.

CRIMINAL INVESTIGATION

An anonymous letter. V. Evgen'ev. Sots. zakon. 40 no. 1: 64-67 Ja '63.

Can we use tape recorders in pretrial investigation. L. Karneeva. Sots. zakon. 40 no. 1: 52 Ja '63. Good results of a search. G. Skublin. Sots. zakon. 39 no. 12: 46-47 D '62.

A letter to the editor. A. Denisenko, P. Zhukov. Sov. iust. no. 21: 14-15 N '62.

"On the heels of malefactors; reminiscences of Soviet criminal investigators." Reviewed by A. Adamov. Sots. zakon. 40 no. 1: 94-95 Ja '63.

The strictest observance of Soviet laws is the sacred duty of the agencies which examine and investigate criminal offenses. N. Zhogin. Sots. zakon. 40 no. 1: 10-15 Ja '63.

CRIMINAL JUSTICE, ADMINISTRATION OF

(see also subdivision under Kurgan Province; Tatar A. S. S. R.)

Decisions of the plenary session of the Supreme Court of the U. S. S. R. Sov. iust. no. 1: 26-30 Ja '63.

Goncharov, G. I. [Before the court of their friends; from the practice of a fellow workers' court] Pered sudom tovarishcheli; iz opyta raboty tovarishcheskogo suda. Moskva, Gosizdat, 1962. 44 p.

How the Soviet public helps public prosecutors in their struggle against crime and the violation of Soviet laws. Sots. zakon. 40 no. 1: 3-9 Ja '63.

How the Soviet public helps to maintain socialist law and order. G. Hakharov and others. Sots. zakon. 39 no. 12: 32-38 D '62.

CRIMINAL LAW

(see also subdivision under Germany, West)

The concept of free will in criminal law. E. M. Edel'sgauz. Izv. vyz. ucheb. zav. prav. 6 no. 4: 140-144 '62.

Development of the basic principles of Soviet criminal law in the new criminal code of the R. S. F. S. R. G. B. Vittenberg. Izv. vyz. ucheb. zav. prav. 6 no. 4: 88-95 '62.

Leningrad, Universitet, Kafedra ugolovnogo prava, [Soviet criminal law; special part] Sovetskoe ugolovnoe pravo; chast' osobennaya. Pod red. M. D. Shargorodskogo, N. A. Bellaeva. Moskva, Gosizdat, 1962. 477 p.

[Pamphlet series in criminal procedure for people's assessors] Biblioteka narodnogo zasedatelia po ugolovnomu protsessu. Moskva, Gosizdat, 1962. 9 nos. in 1 v.

Karev, D. S. [Pretrial investigation] Predvaritel'noe rassledovanie.

Savtirova, N. M. [Indictment] Predanie suda.

Kurinov, B. A., and N. F. Kuznetsova. [The concept of crime] Poniatie prestupleniya.

Kriger, G. A. [Punishment and the imposition of penalty] Nakazanie i ego primeneniye.

Kulsova, E. F. [Sentence] Prigovor.

Kalashnikova, N. I. A. [The trial of criminal cases] Sudnoye razbiratel'stvo po ugolovnomu delu.

Tkachevskii, I. U. M. [Criminal responsibility for the theft of government and public property] Ugolovnaya otvetstvennost' za khlshcheniye gosudarstvennogo i obshchestvennogo imushchestva.

Durmanov, N. D. [Responsibility for the criminal violation of public safety and order, and the impairment of public health] Ugolovnaya otvetstvennost' za prestupleniya protiv obshchestvennoi bezopasnosti, obshchestvennogo poriadka i zdorov'ia naseleniya.

Mendel'son, G. A. [Criminal responsibility for manslaughter and assault and battery] Ugolovnaya otvetstvennost' za ubistvo i telesnye povrezhdeniya.

CRIMINAL LAW—STUDY AND TEACHING

The left-wing circles of Russian criminologists; from the history of legal research in the field of Russian criminal law. S. S. Ostroumov. Izv. vyz. ucheb. zav. prav. 6 no. 4: 145-150 '62.

CRIMINAL LIABILITY

It's the prime duty of criminal investigators to ensure the compensation for damages caused by a criminal offense. I. Vasilenko. Sots. zakon. 39 no. 12: 39-42 D '62.

CRIMINAL PROCEDURE

Legal representatives of minors in criminal procedure. L. Novobratskii. Sov. iust. no. 24: 10-11 D '62.

[Pamphlet series in criminal procedure for people's assessors] Biblioteka narodnogo zasedatelia po ugolovnomu protsessu. Moskva, Gosizdat, 1962. 9 nos. in 1 v.

Karev, D. S. [Pretrial investigation] Predvaritel'noe rassledovanie.

Savtirova, N. M. [Indictment] Predanie suda.

Kurinov, B. A., and N. F. Kuznetsova. [The concept of crime] Poniatie prestupleniya.

Kriger, G. A. [Punishment and the imposition of penalty] Nakazanie i ego primeneniye.

Kulsova, E. F. [Sentence] Prigovor.

Kalashnikova, N. I. A. [The trial of criminal cases] Sudnoye razbiratel'stvo po ugolovnomu delu.

Tkachevskii, I. U. M. [Criminal responsibility for the theft of government and public property] Ugolovnaya otvetstvennost' za khlshcheniye gosudarstvennogo i obshchestvennogo imushchestva.

Durmanov, N. D. [Responsibility for the criminal violation of public safety and order, and the impairment of public health] Ugolovnaya otvetstvennost' za prestupleniya protiv obshchestvennoi bezopasnosti, obshchestvennogo poriadka i zdorov'ia naseleniya.

Mendel'son, G. A. [Criminal responsibility for manslaughter and assault and battery] Ugolovnaya otvetstvennost' za ubistvo i telesnye povrezhdeniya.

Participation of lay prosecutors in judicial proceeding. Markov. Sots. zakon. 39 no. 12: 38-39 D '62.

Procedural problems relating to the presentation of real evidence. V. Koldin. Sots. zakon. 40 no. 1: 66-70 Ja '63.

Protecting the rights of injured persons. V. Bozh'ev, M. Sukharev. Sov. iust. no. 1: 7-9 Ja '63.

Russia (1917- R. S. F. S. R.) Laws, statutes, etc. [The criminal procedure code of the R. S. F. S. R.; official text with amendments as of January 1, 1962 and supplementary materials to the articles of the Code]

Ugolovno-protsessual'nyi kodeks RSFSR; ofitsial'nyi tekst s izmeneniyami na 1 yanvarya 1962 g. s prilozheniyami postatelnosistematizirovannykh materialov. Moskva, Gosizdat, 1962. 334 p.

Some problems concerning the participation of lay prosecutors in judicial proceeding. V. Babayev. Sots. zakon. 39 no. 12: 30-31 D '62.

CRIMINAL STATISTICS

Some problems of criminal statistics. S. S. Ostroumov. Vest. Mosk. un. Ser. 10: Pravo 17 no. 4: 50-64 O-D '62.

CRINOTHERE see Polyethylene

CRITICAL POINT

Study of the density of benzene near the critical point [with summary in English]. IU. I. Shiman'skii, E. T. Shiman'skaja. Ukr. fiz. zhur. 7 no. 8: 861-863 Ag '62.

CRITICISM

Methodological aspect of J. Jansons-Brauno's articles of literary criticism [in Latvian]. A. A. Wilsons. Izv. AN Latv. SSR no. 8: 45-54 '62.

CROPS AND CLIMATE

(see also subdivision under Chelyabinsk Province; Polesye)

Circulation features during significant temperature drops in the European part of the U. S. S. R. G. G. Gromova. Trudy TSD no. 110: 51-60 '62.

Making use of microclimatic factors in agriculture [with summaries in English, German, and French]. I. A. Gol'tsberg. Vest. sel'khoz. nauki 7 no. 11: 30-44 N '62.

CROPS AND SOILS

(see also subdivision under Moldavia; Polesye) Development of the root system of some crops in drained gley soils. M. M. Khamzaev, O. N. Vashakidze. Trudy Gruz. NIKGIM no. 21: 200-218 '60.

CROSS AND CROSSES see subdivision under Turkmenistan

CRUCIBLES

Interaction of metal titanium with crucibles made of zirconium dioxide. K. N. Kopenko, N. V. Gul'ko, I. A. Getman. Ogneupory 28 no. 1: 42-45 '63.

CRUSHED STONE see Stone, Crushed

CRUSHED STONE INDUSTRY

Potentials of enterprises of the Main Administration of the Building Materials Industry under the Executive Committee of the Moscow City Soviet of Working People's Deputies producing rock, sand and gravel for the construction industry. A. I. Dain. Sbor. trud. NIIZH-elezhobetona no. 7: 170-184 '62.

CRUSHED STONE INDUSTRY—EQUIPMENT AND SUPPLIES

The new ShU-PGM-2 piler for sand, gravel and crushed stone. V. A. Baranov, B. P. Telatnikov. Bial. tekhn. inform. inat. "Proektgidromekh." no. 1: 33-38 '62.

New stone crushing machine. M. A. Tolasov. Put' i put. khoz. 6 no. 12: 15 '62.

CRUSHED STONE INDUSTRY—LABOR PRODUCTIVITY see subdivision under Lvov Province

CRUSHING MACHINERY

Arrangement for the rotation and deceleration of ball mills. E. N. Bezverkhata. Ogneupory 28 no. 1: 43-46 '63.

Bozhko, M. P., and V. S. Margulis. [Crushing machine operator] Mashinist mol'nits. Moskva, Gosgortekhnizdat, 1962. 98 p. (Biblioteka molodogo obogatitelia)

Generalization of the experience of operating the KKD-1500/100 crusher. V. I. Prishchenko, A. L. Azarov. Gor. zhur. no. 5: 58-60 My '62.

Laboratory ball mortar. I. A. G. Chugunkov, P. I. Martynenko. Vest. sel'khoz. nauki 7 no. 11: 140-141 N '62.

CRYSCOPY

Effect of some variables on the precision of cryoscopic analysis of hydrocarbons. N. I. Liashevich. *Neftekhimiya* 2 no. 5:795-801 S-O '62.
Investigation of titanium dioxide hydrosols by the cryoscopic method [with summary in English]. P. I. Medvedev, I. S. Galinker. *Koll. zhur.* 24 no. 8:717-720 N-D '62.

CRYSTAL LATTICES

Allowing for spin-orbital interaction in computing energy bands in crystals. V. S. Mospanov. *Izv. vys. ucheb. zav. fiz.* no. 6:163-168 '62.
Annihilation of vacancies in the process of creep as a factor of increased heat resistance. V. N. Guljaev. *Izv. AN SSSR, Otd. tekhn. nauk. Mat. i topl.* no. 6:103-106 N-D '62.

Electron temperature fluctuations and the resultant noise. Sh. M. Kogan. *Fiz. tver. tela* 5 no. 1:224-228 Ja '63.

Microscopic analysis of lattice distortions due to impurities [with summary in English]. I. S. Zhukov, V. S. Oskotskii. *Zhur. eksp. i teor. fiz.* 43 no. 6:2261-2262 D '62.

On local distortions of crystal lattices by impurity ions [with summary in English]. M. I. Kornfeld, V. V. Lomonov. *Zhur. eksp. i teor. fiz.* 43 no. 6:2021-2023 D '62.

On the probability of phononless transitions in impurity centers of crystals. E. D. Trifonov. *Dokl. AN SSSR* 147 no. 4:826-828 D '62.

Residual first-order stresses and variations in the lattice constant in steel due to electrolytic hydrogen absorption. M. M. Shved. *Vop. mekh. reanl. tver. tela* no. 1:140-142 '62.

CRYSTAL OPTICS

Absorption of optical crystals in the infrared region for the temperature range 0° to 600°K. I. S. Pominov, A. L. Siolov. *Izv. AN SSSR, Ser. fiz.* 27 no. 12:29-32 Ja '63.

Crystal optics and the exciton theory. V. N. Piskovoi. *Fiz. tver. tela* 5 no. 1:168-169 Ja '63.
Optical indicatrix and surfaces of birefringence. V. A. Shamburov. *Kristallografiya* 7 no. 3:370-388 My-Je '62.

CRYSTALLINE LENS

Experiments in the traumatization of the crystalline lens following the section of the optic nerve in adult frogs. V. V. Popov, E. B. Vsevolodov, Z. A. Sokolova. *Dokl. AN SSSR* 147 no. 6:1603-1608 D '62.

CRYSTALLIZATION

Crystallization of oil-shale ash melts containing 45 to 60% of calcium oxide [with summary in English]. J. Lasa, N. Duktorski. *Izv. AN Est. SSR, Ser. fiz. - mat. i tekhn. nauk* 11 no. 4:288-295 '62.
Effect of the working direction on the recrystallization process of 08 steel. I. M. Pavlov, D. I. Makeev. *Sbor. Inst. stal i splyv.* no. 40:181-190 '62.

Effect of ultrasonic waves on the crystallization of naphthalene. G. A. Zil'berg, S. N. Smirnova. *Koks i khim.* no. 12:38-43 '62.

Kinetics of recrystallization of electrical steel during its annealing. V. E. Kochnev, V. I. A. Gol'dshstein. *Izv. AN SSSR, Otd. tekhn. nauk. Mat. i topl.* no. 6:61-66 N-D '62.

Microcrystalloscopic reaction for the detection of pyrimidin in drug mixtures. L. V. Pasakhovich. *Apt. delo* 12 no. 3:87-89 My-Je '62.

Principal laws governing the distribution of electrolyte ions between liquid and solid solvents. V. T. Chuiko. *Izv. vys. ucheb. zav. fiz. i khim. i tekhn.* 5 no. 5:608-702 '62.

Refining of organic monomers by the method of zonal fusion. A. G. Antkin and others. *Plast. massy* no. 12:13-17 '62.

Tartar crystallization during partial freezing of grape juice. V. G. Popovskii, M. G. Gidalevich, I. P. Dul'neva. *Trudy MNIPP* 1:80-98 '61.

CRYSTALLOGRAPHY

Classing all crystallographic symmetry groups as three-dimensional groups. A. V. Shubnikov. *Kristallografiya* 7 no. 3:480-495 My-Je '62.

Microhardness anisotropy of InSb. M. S. Ablova, N. N. Feoktistova. *Fiz. tver. tela* 5 no. 1:364-365 Ja '63.

Orientation of crystallites in a polyethylene terephthalate film. Part 1 [with summary in English]. D. I. A. [unclear]. *Vysokom. soed.* 5 no. 1:123-128 Ja '63.
Crystallites in a polyethylene terephthalate [with summary in English]. D. I. A. [unclear]. *Vysokom. soed.* 5 no. 1:129-134 Ja '63.

CRYSTALS

Absorption and luminescence of impurities in crystals of organic compounds at 20°K. Part 6. Effect of crystalline solvents on the frequency of electron transitions in impurities [with summary in English]. A. V. Solov'ov. *Ukr. fiz. zhur.* 7 no. 5:492-504 My '62.

Absorption and luminescence of impurities in crystals of organic compounds at 20°K. Part 7. Effect of the variable composition of mixed crystals on the frequency of electron transitions in the impurities contained in them [with summary in English]. A. V. Solov'ov. *Ukr. fiz. zhur.* 7 no. 5:505-511 My '62.

Effect of overlapping integral on the spectrum of local electronic states in the adsorption and contact of two crystals. V. M. Taplin. *Kin. i kat.* 3 no. 6:709-711 S-O '62.

Interpretation of paramagnetic resonance spectra in crystals. B. I. Tsukerman, M. A. Vinetskaya. *Fiz. tver. tela* 5 no. 1:129-138 Ja '63.

CRYSTALS—CONGRESSES

International Conference on Defects in Crystals held at Kyoto, September 7-12, 1962. V. S. Vavilov. *Usp. fiz. nauk* 78 no. 1:153-158 Ja '63.

CRYSTALS—DEFECTS

Characteristics of the longitudinal photoconductivity of crystals with heavy absorbing capacity. V. M. Fridkin. *Fiz. tver. tela* 5 no. 1:353-356 Ja '63.

Effect of plastic deformation on the kinetics of low-temperature transformations in NiFeCr and NiFeMo alloys. A. D. Korotaev. *Izv. vys. ucheb. zav. fiz.* no. 6:139-142 '62.

Theory of natural cracks forming in brittle fracture of crystals. I. U. N. Plishkin. *PMTF* no. 2:95-103 Mr-Apr '62.

CRYSTALS—ELASTIC PROPERTIES

Determination of the elastic constants of crystals by the pulse ultrasonic method. A. G. Khatkevich. *Kristallografiya* 7 no. 3:412-417 My-Je '62.

CRYSTALS—GROWTH

Control of the structure of crystals growing in a flow of supercooled aerosols. L. G. Kachurin, L. I. Gashin, I. U. G. Ostrov. *Dokl. AN SSSR* 147 no. 4:833-834 D '62.

Determining role of the supercooling of a melt in the formation of macroscopic screw dislocations in crystals grown by Czochralsky's method. D. A. Petrov, A. A. Bukhanova. *Kristallografiya* 7 no. 3:442-445 My-Je '62.

Kinetics of the growth of an acicular crystal in a supercooled binary melt. D. E. Temkin. *Kristallografiya* 7 no. 3:446-450 My-Je '62.

On the sectorial growth of crystals. V. I. A. Khaimov-Malikov and others. *Kristallografiya* 7 no. 3:437-441 My-Je '62.

Rate of growth of crystals. G. P. Boikov, V. V. Ivanov. *Izv. vys. ucheb. zav. fiz. i khim.* no. 6:167-168 '62.

CRYSTALS—MODELS

A statistical model of the crystalline structure of mul-lite. S. Diurovich. *Kristallografiya* 7 no. 3:330-349 My-Je '62.

CRYSTALS—SPECTRA

Use of magnetic and acoustic spectroscopy for the structural analysis of high-melting crystals. U. Kh. Kopylov. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:95-97 Ja '63.

CRYSTALS, ELECTRON STATE see Excitons

CUBA—DEFENSES

The Cuban people are building a new life. E. TSybul'skii. *Komm. Vooruzh. Sil* 3 no. 1:81-85 Ja '63.

CUBA—ECONOMIC CONDITIONS

Cuba, we are with you, always! V. Gugushkin. *Mol. komm.* no. 12:21-27 D '62.

CUBA—ECONOMIC POLICY

The Cuban people are building a new life. E. TSybul'skii. *Komm. Vooruzh. Sil* 3 no. 1:81-85 Ja '63.

CUBA—EDUCATION

Universal education in Cuba. *Nar. osv.* no. 12:88-87 D '62.

CUBA—FOREIGN ECONOMIC RELATIONS—GERMANY, EAST

Why Count von Sprei left Havana. Kurt Wedekind. *Nov. vrem.* 20 no. 6:21 F '63.

CUBA—FOREIGN RELATIONS

Cuba isn't alone. B. Abdurazakov. *Komm. Uz.* 34 no. 10:85-82 O '62.

CUBA—FOREIGN RELATIONS—GERMANY, WEST

Why Count von Sprei left Havana. Kurt Wedekind. *Nov. vrem.* 20 no. 6:21 F '63.

CUBA—FOREIGN RELATIONS—RUSSIA

A sensible view. V. Ch. Mezhdunar. zhizn! 10 no. 3:122-123 Mr '63.

CUBA—FOREIGN RELATIONS—UNITED STATES

"Dollar diplomacy and intervention: the U. S. policy toward Cuba from 1898 to 1934" [in German] by L. Montfort. Reviewed by I. U. M. Grigor'ian. *Vop. ist.* 38 no. 1:172 Ja '63.

The Organization of American States. M. Manasov. *Otv. na vop. trud.* no. 4:32-37 Ap '62.

Significant landmark. *Nov. vrem.* 20 no. 3:1-2 Ja '63.
With Cuba against the American imperialists. *Vsem. prof. dvizh.* no. 12:17-18 D '62.

CUBA—ILLITERACY

The national campaign against illiteracy in Cuba. Armando Hart Davalos. *Vsem. stud. nov.* 16 no. 4:4-8 Ap '62.

CUBA—POLITICS AND GOVERNMENT

At the crossroads. *Sovremennik.* *Nov. vrem.* 20 no. 1:6-8 Ja '63.

Cuba is fighting and will win! *Komm. Bel.* 36 no. 11:12-15 N '62.

Cuba, we are with you, always! V. Gugushkin. *Mol. komm.* no. 12:21-27 D '62.

Karmen, R. L. [In countries of three continents] *Posranam trekh kontinentov.* [Moskva] Molodsha gvar-dia, 1962, 142 p.

CUBA—REVOLUTION, 1895-1898—RUSSIAN PARTICIPATION

Participation of Russian volunteers in the national liberation war of the Cuban people, 1895-1898. L. A. Shur. *Vop. ist.* 38 no. 1:200-207 Ja '63.

CUBA—SOCIAL CONDITIONS

A trip to Cuba in January 1962. M. A. Okuneva. *Sov. etn.* no. 6:140-149 N-D '62.

Wind of revolution; Cuban sketches. V. Borovskii. *Nov. vrem.* 20 no. 1:23-26 Ja '63.

CUBA—TELEVISION BROADCASTING

Cuba speaks and demonstrates. *Sov. pech.* no. 1:50-58 Ja '63.

CUBA—WOMEN—SOCIETIES AND CLUBS

One year's activities of the Federation of Cuban Women. Libia Cadenas. *Zhen. mira* no. 5:15, 28 '62.

CUBA—YOUTH

Youth of a liberated country. P. Tarasov. *Mol. mira* no. 11:12-14-15 '61.

CUCUMBER BREEDING

Intravarietal crossing of greenhouse cucumber varieties. V. I. A. Volkov. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:183-188 '57.

Obtaining high-yielding hybrid cucumber seeds. K. T. Meshcheryov. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:223-225 '57.

CUCUMBERS

Biological characteristics of cucumber cultivated under glass. G. V. Boos. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:234-247 '57.

Effect of the chilling of germinating cucumber seeds before planting on physiological and biochemical processes. G. V. Kandina. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:71-79 '62.

Effect of treating seeds before sowing on the growth, development, and yield of cucumbers grown outdoors. A. D. Standshevskii. *Sbor. stud. nauch. issl. rab. TSKHA* no. 11:113-117 '62.

CUCUMBERS—DISEASES AND PESTS

The cucumber leaf bug *Halticus saltator Geoffr.* in green-houses. L. V. Puchkova. *Zashch. rast. ot vred. i bol.* 5 no. 1:157 N '60.

CUCUMBERS—VARIETIES see subdivision under Russia, Southern

CULTURE

Peace is the most important condition for the development of culture. A. Arnoldov. *Otv. na vop. trud.* no. 8:2-9 Ag '62.

Zinger, E. A. [Socialist internationalism and the problem of national form in contemporary art] *Sotsialisticheskiy internatsionalizm i problema natsional'noi formy v sovremennoy iskusstvo.* Moskva, Iskustvo, 1962, 116 p.

CULVERTS

Using single culverts without inlets. L. G. Begam, G. I. A. Volchenkov, K. V. Nikolai. *Transp. stroi.* 12 no. 12:37-39 D '62.

CUMENE

Radiochemical investigation of the reaction of cumene hydroperoxide with cumene. M. R. Leonov, B. A. Redoshkin, V. A. Shushunov. *Zhur. ob. khim.* 32 no. 12:3059-3062 D '62.

CUPOLA FURNACES

Analysis of the operation of a cupola furnace with water cooling of the melting zone. D. A. Meshkov, V. V. Tel'muk-Adamchuk, M. E. Kats. Mashinostroenie no. 5: 47-48 S-O '62.

Karskii, V. E., and P. P. Doroshchenko. [Cupola furnaces with water cooling] Vagranki's vodnanykh okhlazhdeniim. [Lugansk] Luganskoe oblasnoe izd-vo, 1958, 12 p.

[MICROFILM]

CURIUM PLATING

Electrodeposition of Am and Cm from aqueous solutions on a platinum cathode. A. G. Samartseva. Radiokhimiya 4 no. 6:696-700 '62.

CURRENTS see subdivision under Voronezh Province

CURRENTS—DISEASE AND PEST RESISTANCE see subdivision under Ukraine

CURRENTS—DISEASES AND PESTS

Protecting currants and gooseberries. E. E. Savdarg. Zashch. rast. ot vred. i bol. 6 no. 6:37-38 Je '60.

CURVES IN ENGINEERING

Graphic determination of the circumference are replacing the evolutes. G. I. Burdin. Stan. i instr. 33 no. 12: 37 D '62.

CUSACK, DYMPHA

"Heat wave in Berlin" [in English] by Dympha Cusack. Reviewed by C. V. Zhen, mira no. 4:17 '62.

CUSHING SYNDROME

Method for the X-ray therapy of Ikenko-Cushing's disease and its late results [with summary in English]. I. A. F. Levin, Z. I. Tsiukhno. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:265-271 '61.

CUTOVER LANDS

Changes in the physical and chemical properties of forest soils in southern Karelia in connection with timber cutting. G. E. Platetskii, R. M. Morozova. Trudy Kar. fil. AN SSSR no. 34:71-82 '62.

CUTTING FLUIDS see Metalworking lubricants

CUTTING MACHINES

New methods for sharpening cutting instruments, and increasing the durability of fast-cutting knives by tempering them after sharpening. V. A. Karnkov. Shor. stud. nauch.-issl. rub. TSKHA no. 11:389-394 '62.

The RS-200 alloy cutter. L. Khazanet. Tekh. v sovkhoz. 22 no. 11:47-48 N '62.

Trofimov, A. M. [Album of diagrams of metal-cutting machines] Album skhem metallorazhushchikh stankov. Moskva, Minsgiz.

Pl. 2. [Milling, thread-cutting, planing, broach-grinding, dressing, gear-cutting machines and machine-assemblies] Frezernye, roz'bo-nareznye, strogal'nye, protlazhnye shifoval'nye, zatocchnye, zubobrabalyvalushchie, agregatnye stanki, 1962, 69 p. [Description] (Opsanie), 262 p.

CUTTING MACHINES—ELECTRIC DRIVING

Minaker, E. L., and N. G. Sokolov. [Electric wiring of metal-cutting machine tools] Elektricheskie provodki metallorazhushchikh stankov. Moskva, Gosenergizdat, 1962, 63 p. (Biblioteka elektromontera, no. 70)

CUTTING MACHINES—VIBRATION

Vibration processes in drives of slide saws used for hot metal cutting. F. K. Ivanchenko. Izv. vys. ucheb. zav. i mashinost. no. 7:20-32 '62.

CUTWORMS

(see also subdivision under Kazakhstan)

The cutworm *Monima* (*Taenioecampa*) *gracilla* F. as a pest of fruit nurseries. I. F. Minder. Zashch. rast. ot vred. i bol. 2 no. 6:57-58 N-D '67.

CUTWORMS—DISEASES

Virus diseases of the cutworms *Agrotis segetum* Schiff. and *Hadena sordida* Bkh. (Lepidoptera, Noctuidae) in simultaneous infection with granulosis and polyhedrosis [with summary in English]. O. I. Shvetsova, T. S. Shchukin [TSai Shch-yu]. Ent. oboz. 41 no. 4:781-787 '62.

CUTWORMS—EXTIRPATION see subdivision under Tashkent Province

CYANINE DYES

Cyanine dyes from derivatives of thiazolo-1,4-benzothiazine and thiazolo-1,5-benzothiazepine. A. I. Kiprianov, T. M. Verbovskaya, Zhur. ob. khim. 32 no. 12:3046-3051 D '62.

Thiazolocyanines. Part 10: Cyanine dyes from 2-methyl-4-styryl- and 2-methyl-5-styrylthiazoles. E. D. Sych, E. D. Smaznina-Ilyina. Zhur. ob. khim. 33 no. 1:74-78 '63.

CYANOCOBALAMINE

Conference on commercial production of vitamin B₁₂. V. N. Bukin, E. S. Pantukhava. Izv. AN SSSR. Ser. biol. no. 6:940-942 N-D '62.

CYANOETHYLATION

Cyanoethylation of nitroparaffins in the presence of the strongly basic anion exchanger AV-17 as a catalyst. V. I. Isagulants, Z. Poredda. Zhur. ob. khim. 33 no. 1: 318-319 '63.

CYANURIC ACID—SPECTRA

Spectrophotometric method for the analysis of melamine and the products of its hydrolysis: ammeline, ammelide, and cyanuric acid [with summary in English]. E. N. Boitsov, A. I. Finkel'shtein. Zhur. anal. khim. 17 no. 6:746-750 S '62.

CYBERNETICS

Akademika nauk SSSR. Nauchnyi sovet po kompleksnoi probleme "Kibernetika." [Biological aspects of cybernetics] Biologicheskie aspekty kibernetiki; sbornik rabot. Moskva, Izd-vo Akad. nauk SSSR, 1962, 237 p.

And the machine answered... E. Saporina. Znan. -sila 37 no. 10:20-32 O '62.

Autonats and life. A. N. Kolmogorov. Mash. perev. i prikl. ling. no. 5:3-8 '61.

Cybernetics and the reliability of spaceship control systems. A. G. Ivakhnenko. Nauka i zhizn' 29 no. 11:30-31 N '62.

"Cybernetics in the service of communism." Reviewed by V. N. Pushkin, D. N. Zavalishina. Vop. psikh. 8 no. 4:156-160 JI-Ag '62.

Krasovskii, A. A., and G. S. Pospelov. [Principles of automatic control and engineering cybernetics] Osnovy avtomatiki i tekhnicheskoi kibernetiki. Moskva, Gosenergizdat, 1962, 599 p.

CYBERNETICS—CONGRESSES

Theory and methods of mathematical modeling; 3rd thematic conference. B. A. Kogan, A. V. Shileiko. Vest. AN SSSR 33 no. 1:121-122 Ja '63.

CYBERNETICS—RESEARCH see subdivision under Ukraine

CYCLOBUTENE

Reactions of fluoro olefins. Report No. 15: Catalytic hydrogenation of perfluorocyclobutene. I. L. Krumfants. Izv. AN SSSR. Otd. khim. nauk no. 12:2141-2145 D '62.

CYCLOHEXADIENEDICARBOXYLIC ACID

Conjugation factors in cyclic systems. Report No. 4: Regularities in alkaline isomerization of double bonds in $\Delta^{1,4}$ -cyclohexadiene-1,2- and 3a,6-dihydroindan-4,5-dicarboxylic acids. N. A. Grigor'eva, V. F. Kucherov. Izv. AN SSSR. Otd. khim. nauk no. 12:2196-2204 D '62.

CYCLOHEXADIENONE

Sterically hindered phenols. Report No. 12: Dihromodialkylcyclohexadienones. A. A. Volod'kin, V. V. Ershov. Izv. AN SSSR. Otd. khim. nauk no. 1:152-157 '63.

Synthesis of o- and p- benzoquinone diazides. B. S. Kikot'. Zhur. ob. khim. 33 no. 1:227-228 '63.

CYCLOHEXANE

Berezin, I. V., E. T. Denisov, and N. M. Emanuel'. [Oxidation of cyclohexane] Okslenie tsiklogeksana. [Moskva] Izd-vo Mosk. univ. 1962, 301 p.

Isolating petroleum cyclohexane by means of crystalline thiourea; role of activator in extractive crystallization [in Azerbajani with summary in Russian]. I. I. Nemesov, G. G. Ashumov. Azerb. neft. khoz. 41 no. 6: 34-37 Je '62.

Polymerization of allylcyclohexane in the presence of the catalytic system $TiCl_4 + Al(iso-C_4H_9)_3$. A. V. Topchlov, E. L. Fantalova, L. V. Osipova. Dokl. AN SSSR 147 no. 4:857-859 D '62.

CYCLOHEXANEDICARBOXYLIC ACID

Conjugation factors in cyclic systems. Report No. 5: Mutual transformations and the kinetics of isomerization of hexalin-1,2-dicarboxylic acids under the influence of alkalies. V. F. Kucherov and others. Izv. AN SSSR. Otd. khim. nauk no. 1:137-145 '63.

CYCLOHEXANOL

Kinetics of hydrogen peroxide consumption in the oxidation of cyclohexanol. E. T. Denisov, V. V. Kharitonov. Neftekhimika 2 no. 5:760-765 S-O '62.

Synthesis and transformations of glycols of the δ -series. Part 3: Condensation products of 1-acetylcyclohexan-1-ol. T. A. Favoetskaya, Z. A. Shevchenko. Zhur. ob. khim. 32 no. 12:3018-3022 D '62.

CYCLONES

Movement of high cyclones. T. A. Shabunina. Trudy TSIP no. 118:70-77 '62.

CYCLOPENTADIENE

Substituted cyclopentadienes and related compounds.

Part 6: Tetramethylcyclopentadiene as an equilibrium mixture of isomers. V. A. Mironov and others. Zhur. ob. khim. 33 no. 1:84-91 '63.

Synthesis of tall oils modified with cyclopentadiene. A. A. Subbotin, Lakokras. mat. i kh. prim. no. 5:27-30 '62.

CYCLOPENTANE

Catalytic dehydroisomerization of alkylcyclopentanes. Part 2. O. E. Morozova and others. Neftekhimika 2 no. 5:676-680 S-O '62.

Catalytic synthesis of methylcyclopentanes from petroleum methylcyclopentane. N. I. Shukin, E. D. Tulupova, E. G. Ostapenko. Izv. AN SSSR. Otd. khim. nauk no. 12: 2204-2209 D '62.

Preparation of 1-chloro-3-methylboracyclopentane and some of its transformations. L. I. Zakharkin, A. I. Kovrov. Izv. AN SSSR. Otd. khim. nauk no. 12:2247-2249 D '62.

CYCLOPENTENE

Catalytic synthesis of methylcyclopentanes from petroleum methylcyclopentane. N. I. Shukin, E. D. Tulupova, E. G. Ostapenko. Izv. AN SSSR. Otd. khim. nauk no. 12: 2204-2209 D '62.

CYCLOPENTENONE

Chemistry of cyclopentenone. Report No. 4: Condensation of 3,5-dimethyl- Δ^2 - and Δ^4 -cyclopentenones with vinyl acetate. A. N. Elizarova, T. E. Pozdnikova, A. A. Akhrem. Izv. AN SSSR. Otd. khim. nauk no. 12:2187-2175 D '62.

Chemistry of cyclopentenones. Report No. 6: Conversions of erythro- and threoisomers of 3,5-dimethyl-5-(α -acetoxyethyl)-cyclopentenones. A. N. Elizarova, T. E. Pozdnikova, A. A. Akhrem. Izv. AN SSSR. Otd. khim. nauk no. 1:129-136 '63.

CYCLOPENTENONE—SPECTRA

Study of the structure of chemical compounds by nuclear magnetic resonance spectra. Report No. 2: Determination of the structure and conformation of some substituted cyclopentenones. V. P. Bystrov and others. Izv. AN SSSR. Otd. khim. nauk no. 1:66-74 '63.

CYCLOPROPANE

Unsaturation of trimethylene ring and its conjugation with multiple bonds. P. A. Gombitskii, R. I. A. Levina. Vest. Mosk. un. Ser. 2:Khim. 16 [i. e. 17] no. 6:3-31 N-D '62.

CYCLOTRON

Cyclotron instability of a plasma in the "OGRA" machine. V. I. Piontovich. Atom. energ. 14 no. 1:72-81 Ja '63.

Longitudinally polarized proton beam generated by a six-meter synchrocyclotron. M. G. Meshcheriakov and others. Atom. energ. 14 no. 1:38-40 Ja '63.

Studying nuclear reactions by means of the cyclotron of the Physical Institute of the Academy of Sciences of the Ukrainian S. S. R. O. F. Nemuta, M. V. Pasochnik, N. N. Pucherov. Atom. energ. 14 no. 2:150-170 F '63.

Use of the 680 Mev. synchrocyclotron at Dubna in studying the properties of μ -mesic atoms and μ -mesic molecules of hydrogen and deuterium. V. P. Dzhelepov. Atom. energ. 14 no. 1:27-37 Ja '63.

CYCLOTRON RESONANCE

Cyclotron resonance and quantum oscillations of the surface resistance of bismuth [with summary in English]. M. S. Khaikin, R. T. Mina, V. S. Edel'man. Zhur. eksp. i teor. fiz. 43 no. 6:2063-2073 D '62.

Cyclotron resonance in aluminum. A. A. Galkin, V. P. Naberezhnykh, V. L. Mel'nik. Fiz. tver. tela 5 no. 1: 201-210 Ja '63.

CYLINDERS

Infinite hollow anisotropic cylinder subjected to external and internal uniform dynamic pressures. P. I. A. Ber-shtein. Izv. vys. ucheb. zav. i mashinost. no. 7:61-67 '62.

CYLINDERS—TESTING

Determination of residual stresses in hollow and solid cylinders. I. A. Birger. Zav. lab. 28 no. 12:1462-1484 '62.

CYLINDERS—THERMAL PROPERTIES

Regulating thermal conditions of an unlimited cylinder put into a medium with periodically variable temperature. I. U. A. Kirichenko. Trudy inst. Kom. stand., mer. i izm. prib. no. 51:156-166 '61.

Temperature waves in a two-layer unlimited cylinder. I. U. A. Kirichenko. Trudy inst. Kom. stand., mer. i izm. prib. no. 51:167-171 '61.

CYPRUS—POLITICS AND GOVERNMENT

Cyprus is fighting. Ezekias Papaloannu. Part. zhizn' no. 2:60-73 Ja '63.

CYRTOLITE see subdivision under White Sea region

CYSTS

Case of colonic cyst of the pericardium. V. P. Rubanov. Zdrav. Kazakh. 22 no. 7:72-73 '62.

CYTOTOXIC DRUGS

New achievements in the treatment of cancer. L. Lario-nov. Nauka i zhizn' 12 no. 10:31,35 O '62.

CZECHOSLOVAKIA—AGRICULTURAL LAWS AND LEGISLATION

Some legal problems concerning the organization of work in the agricultural cooperatives of Czechoslovakia. M. Stefanovic. Vest. Mosk. un. Ser. 10: Pravo 17 no. 4:55-68 O-D '62.

CZECHOSLOVAKIA—BIBLIOGRAPHY

[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 8/9-10 '62.

CZECHOSLOVAKIA—BOOK INDUSTRIES—EXHIBITIONS

Exhibition of books and periodicals issued by the Publishing House of the Czechoslovak Academy of Sciences. Vest. AN SSSR 33 no. 1:96-97 Ja '63.

CZECHOSLOVAKIA—CHILDREN'S LITERATURE

Magic world of toys and books. E. Solov'eva. Nar. obr. no. 1:88 Ja '63.

CZECHOSLOVAKIA—COAL PREPARATION

Selective coal crushing. V. Kudela, V. Charvát, Koks i khim. no. 12:7-10 '62.

CZECHOSLOVAKIA—ECONOMIC CONDITIONS

Socialist Czechoslovakia in marching toward new achievements. G. Fominov. Kommunist 30 no. 3:113-116 F '63.

CZECHOSLOVAKIA—ECONOMIC POLICY

Prospects for the development of a socialist society in Czechoslovakia. Cestmír Čisár, Polit. samochr. 6 no. 11:52-59 N '62.

CZECHOSLOVAKIA—ECONOMICS—PERIODICALS

Problems of the Czech economy discussed in the "Plánované Hospodářství" journal. K. Kodoušek, Plan. khoz. 46 no. 2:82-85 F '63.

CZECHOSLOVAKIA—EDUCATION, ELEMENTARY

Connection between kindergartens and the groups with longer hours in Czechoslovakia. Vlasta Kyseľková, Jaromíra Sekotová, Doshk. vosp. 35 no. 11:80-82 N '62.

CZECHOSLOVAKIA—FIELD CROPS

Stubble crops. J. Navrátil, Zemledelie 24 no. 11:84-86 N '62.

CZECHOSLOVAKIA—FIRE ENGINES

New Czechoslovak machines. Pozh. delo 9 no. 1:32 Ja '63.

CZECHOSLOVAKIA—FORESTS AND FORESTRY—ACCOUNTING

Calculation of the volume of production and labor productivity in the forest management of Czechoslovakia. T. S. Lobovikov. Les. khoz. 15 no. 11:83-86 N '62.

CZECHOSLOVAKIA—KINDERGARTEN

Connection between kindergartens and the groups with longer hours in Czechoslovakia. Vlasta Kyseľková, Jaromíra Sekotová, Doshk. vosp. 35 no. 11:80-82 N '62.

CZECHOSLOVAKIA—LABOR DISPUTES

Procedure in the examination of labor disputes. Jan Štenczyk. Sov. gos. i pravo 33 no. 2:124-127 F '63.

CZECHOSLOVAKIA—LOCAL GOVERNMENT

"The commissions of local people's committees" [in Czech] by S. Stodolovský. Reviewed by A. Makhnenko. Sov. doput. trad. no. 9:84-87 S '62.

CZECHOSLOVAKIA—LOCOMOTIVES

New Czechoslovakian locomotives. G. Bek. Elek. i topl. tinga 6 no. 11:45 N '62.

CZECHOSLOVAKIA—MOTION-PICTURE FESTIVALS

Festival of friendship. V. Razumovskii. Isk. kino no. 10:133 O '62.

CZECHOSLOVAKIA—MOTION-PICTURE PLAYS

On the screens of the world. Isk. kino no. 10:149-150 O '62.

CZECHOSLOVAKIA—MOTION PICTURES

"Czechoslovak motion pictures" by S. Komarov. Reviewed by S. Ginzburg. Isk. kino no. 10:155-156 O '62.

CZECHOSLOVAKIA—NICKEL INDUSTRY

Czechoslovakian nickel. Nauka i zhizn' 29 no. 11:98-30 N '62.

CZECHOSLOVAKIA—NONWOVEN FABRICS

New method of manufacturing nonwoven textile fabrics in Czechoslovakia. G. I. Pkovskii. Tekst. prom. 22 no. 12:47-48 D '62.

CZECHOSLOVAKIA—POLITICS AND GOVERNMENT

February storms. Nov. vrem. 20 no. 8:3-4 F '63. Mixed cards. Jaroslav Sedlvy, Mezhdunar. zhizn' 10 no. 3:100-105 Mr '63.

CZECHOSLOVAKIA—RAILROADS—TRACK

Construction of continuous tracks on prestressed reinforced concrete shells. F. Khimes. Zhel. dor. transp. 44 no. 12:83-88 D '62.

CZECHOSLOVAKIA—RESEARCH, INDUSTRIAL

Problems of scientific and technological progress in the Czechoslovak S. S. R. R. Kaska, L. Riha. Plan. khoz. 39 no. 12:66-72 D '62. Promoting technological development. M. Wimmer. NTO 4 no. 9:49-52 S '62.

CZECHOSLOVAKIA—SOILS—MAPS

"Atlas of main soil types of Czechoslovakia" by Jozef Palisek. Reviewed by S. V. Zonn. Pochvovedenie no. 8:106-100 Ag '62.

CZECHOSLOVAKIA—STOVES

New make of stove. E. Lautner. Zhil. stroi. no. 12:26 '62.

CZECHOSLOVAKIA—TECHNOLOGICAL INNOVATIONS

Promoting technological development. M. Wimmer. NTO 4 no. 9:49-52 S '62.

CZECHOSLOVAKIA—THEATER

Magic lantern; an interview with Sylvia Danickova. Colette Jakob. Zhen. mira no. 2:8-9, 34 '62.

Solntseva, A. P. [The Czechoslovak theater today] Chkchoslovatskii teatr segodnia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 150 p.

CZECHOSLOVAKIA—TOY INDUSTRY

Magic world of toys and books. E. Solov'eva. Nar. obr. no. 1:88 Ja '63.

CZECHOSLOVAKIA—WOMEN'S PERIODICALS

"Vlasta" is 15 years old. V. D. Zhen. mira no. 10:27 '62.

DDT (INSECTICIDE)

Effect of exhaust gases of a generator on the insecticidal effectiveness of DDT. N. S. Balyberdin. Zashch. rast. ot vred. i bol. 5 no. 11:33 N '60.

DACHAU (CONCENTRATION CAMP)

Dachau. Andre Gailhou. Mol. mira no. 11/12:7-8 '61.

DAGHESTAN—FRUIT—DISEASES AND PESTS

On a piedmont state farm in Daghestan. G. M. Levin. Zashch. rast. ot vred. i bol. 5 no. 3:38 Mr '60.

DAGHESTAN—HISTORY

Magomedov, R. M. [History of Daghestan; from the ancient period to the early 19th century] Istoriia Daghestana; s drevnelikh vremen do nachala XIX veka. Makhachkala, Daghestanskoe uchebno-pedagog. izd-vo, 1961. 201 p.

DAGHESTAN—JOINTS (GEOLOGY)

Using aerial photographs to study the jointing of Daghestan carbonate rocks. Tszian T'szu-tai [Chiang T'su-ch'i]. V. D. Skariatn. Izv. vya. ucheb. zav.; geol. i razv. 5 no. 10:53-62 O '62.

DAGHESTAN—PHYTOGEOGRAPHY

Chilikina, L. N., and others. [Map of the vegetation of the Daghestan A. S. S. R.] Karta rastitel'nosti Daghestanskoi ASSR. [Otv. red. E. V. Shiffera] Moskva, Izd-vo Akad. nauk SSSR, 1962. 95 p. Map. 1:600.

DAGHESTAN—WOMEN

Zdorovets, Galina, comp. [She who rules the Mountain Land; materials of the 8th Congress of Women of Daghestan, sketches of delegates to the Congress, articles on problems of the women's movement, statistical data on participation of women of the Soviet Union and of Daghestan in cultural and economic construction] Khozaiika strany gor; materialy raboty 8-go s'ezda zhenshchinn Dageslana, ocherki, zarisovki o delegatkh s'ezda, stat'i po voprosam zhenskogo dvizhenia, statisticheskie dannye ob uchastii zhenshchin Sovetskogo Soyuza i Dagestanskoi ASSR v kul'turnom i khoziasiatvennom stroitel'stve. [Makhachkala, Daghestanskoe knizhnoe izd-vo, 1961] 320 p. (MI)

DAGHESTAN—WOMEN—SOCIETIES AND CLUBS

There is such a club... Komsom. zhizn' no. 21:19-20 N '62.

DAELIAS—VARIETIES see subdivision under Kiev

DAIRY BARN

Cowbarn for 400 head with storage of ensilage inside the building. B. Kniazev, N. Soloznev. Sel. stroi. 16 no. 11:insert:4-7 Ja '62. Improve the use of milking parlors of the "herringbone" type. D. Palashkin. Tekh. v sel'khoz. 22 no. 11:22-25 N '62.

DAIRY BARN—BIBLIOGRAPHY see Bibliography—Dairy barns

DAIRY CATTLE

Effect of cows' constitutional type on the level of their milk yields. M. S. Porinova. Nauk. pratsi asp. UASHN no. 5:201-207 '60.

DAIRY CATTLE—FEEDING AND FEEDS

Effect of feeding on the development of the skeleton in heifers and on the formation of their milk yield [with summaries in English, German, and French]. L. A. Lebedev. Vest. sel'khoz. nauk 7 no. 11:74-81 N '62. Effect of various feeds on fermentation processes in the rumen and the milk yield of cows. M. I. Shovchenko. Nauk. pratsi asp. UASHN no. 5:184-189 '60.

DAIRY CATTLE BREEDING

(see also subdivision under Kazakhstan)

Price of a percent. Vladimir Elagin. IUn. nat. no. 12; 2-3 D '62.

Selecting young cattle on the basis of butterfat percentage [with summaries in English, German, and French]. A. A. Solov'ev. Vest. sel'khoz. nauk 7 no. 11:68-73 N '62.

DAIRY INDUSTRY see subdivision under Kirghizistan; Moscow Province

DAIRY INDUSTRY—COSTS see subdivision under Moscow region; Tula Province

DAIRY INDUSTRY—LABOR PRODUCTIVITY see subdivision under Mzhaysk District

DAIRYING

(see also subdivision under Bulgaria; Mogilev Province)

Ykina, A. F. [The most cherished goal] Samaya zavel'naya tsel'. [Riazan', Riazanskoe knizhnoe izd-vo, 1962] 15 p.

DAIRYING—COSTS see subdivision under Bashkiria; Zakselsky District

DAIRYING—EQUIPMENT AND SUPPLIES

Apparatus for milk separation and standardization. P. T. Mel'nikov. Khur. prom. no. 4:69-70 O-D '62.

DAIRYING—HYGIENIC ASPECTS see subdivision under Arkhangol'skoye (Gubkin District)

DAMPNESS IN BUILDINGS

Electroosmotic method of drying buildings during over-all repair. Kh. S. Asvatanturov, E. V. Bogdanov. Ger. khoz. Mosk. 36 no. 7:40-41 JI '62.

DAMS

(see also subdivision under Bratsk Hydroelectric Power Station; Lake Migoullou, France)

Vacuum retreated. Mykola Varvartsev. Znan. ta pratsia no. 11:2-4 N '62.

DAMS—CONGRESSES

Coordinating conference on problems of the earthquake resistance of dams made of local materials. N. P. Lushinov. Gidr. stroi. 33 no. 11:60-61 N '62.

DANCING

(see also subdivision under Osetia)

"Friendship," a new dance. Kul't. pros. reb. 23 no. 7: 56-59 JI '62.

DANUBE RIVER—SHIPPING

[Danube River and shipping on the Danube] Dunai i Dunaiskoe sudokhodstvo. [Dy] Tunkovich, V. V. i dr. Moskva, Izd-vo "Morskoi transport", 1962. 301 p.

DARGWA LANGUAGE—INFLECTION

Abdullaev, Zafir. [Inflection in the Dargwa language] Kategorii padezha v darginskom izyke. Makhachkala, 1961. 200 p. (MI)

DARKHAN, MONGOLIA—CITY PLANNING

There will be a city here. Nauka i zhytiia 12 no. 7:54 JI '62.

DARKLING BEETLES see subdivision under Samarkand Province

DARNTSA—VENEERS AND VENEERING

Mechanization of veneer manufacturing shops. S. G. Frolov and others. Bum. i der. prom. no. 4:5-10 O-D '62.

DARWIN, CHARLES ROBERT, 1809-1882

Significance of Charles Darwin's works for comparative psychology. N. N. Ladygina-Kots. Vop. psikhol. 8 no. 4:125-132 JI-Ag '62.

DARWINISM see Evolution

DAUGAVPILS—HISTORY

Shteinman, I., I. A. Muzykantik, and I. A. Pakains. [Daugavpils in the past and at present] Daugavpils v proshlom i nastoiashchem. Riga, Latvieskoe gos. izd-vo, 1959. 117 p.

DAVYDOV, DENIS VASIL'EVICH, 1784-1839

"Denis Davydov" by N. A. Zadonskii. Reviewed by P. Zhi'ln. Sov. voim 45 no. 2:20 Ja '63.

DAY NURSERIES

Tots are happy here. S. Polits'ka. Doshk. vykh. 23 no. 11:11-14 N '62.

DEAF

Is a deaf-mute an invalid? B. Linker. Sots. obosp. 23 no. 9:35 S '62.

DEAF CHILDREN see Children, Deaf

DEATH--CAUSES

Analysis of the causes of death in patients with congenital heart defects based on data from the A. V. Vishnevskii Institute of Surgery of the Academy of Medical Sciences of the U.S.S.R. for a seven-year period. L. D. Kryznskil. Vest. AMN SSSR 17 no. 11:71-82 '62.

DECIMAL CLASSIFICATION see Classification, Decimal

DECORATION AND ORNAMENT, ARCHITECTURAL

The role of decoration in the architectural appearance of apartment houses. V. Makhrin. Stroi. i arkhitekt. 10 no. 1:16-20 Ja '62.

DECORATION AND ORNAMENT, BOLGAR see subdivision under Volga Valley

DECORATION AND ORNAMENT, SCYTHIAN

Some horse harness decorations of the Scythian period. I. I. Gushchina. Krat. soob. Inst. arkheol. no. 39:66-68 '62.

DECORATIONS OF HONOR, ACADEMIC

Honorary titles and awards conferred on Soviet scientists. Vest. AN SSSR 33 no. 1:97 Ja '63.

DECORATIVE ART see Art, Decorative

DEEP DRAWING (METALWORK)

Effect of arsenic and phosphorus on the properties of 08kp steel for deep drawing. D. A. Litvinenko. Stal' 22 no. 12:1108-1115 D '62.

Maximum speed of deformation during deep drawing of sheet materials. V. I. A. Shekhter. Kuz.-shtam. proizvod. 4 no. 12:16-18 D '62.

Progressive stage die for deep drawing. V. G. Kovalev. Kuz.-shtam. proizvod. 4 no. 12:43-45 D '62.

DEEP-SEA DEPOSITS see subdivision under Black Sea

DEFAMATION see Libel and slander

DEFENSES, NATIONAL see also subdivision 'Defenses' under Cuba; Russia

DEFICIENCY DISEASES

Vitamins for animals and plants. II. Poruts'kiy. Nauka i zhyttia 12 no. 9:46-47 S '62.

DEFICIENCY DISEASES IN PLANTS

Inefficiency of mineral nutrition as the cause of a functional disease of prune trees. G. M. Semeniuk. Vop. fiziol. i biokhim. kul't. rast. no. 1:97-104 '62.

Vitamins for animals and plants. II. Poruts'kiy. Nauka i zhyttia 12 no. 9:46-47 S '62.

DEFORMATION OF SURFACES see Surfaces, Deformation of

DEFORMATIONS (MECHANICS)

Analysis of elastic flattening of four-high mill rolls. V. P. Polukhin. Izv. vys. ucheb. zav. i Chern. met. 5 no. 12:88-94 '62.

Correlation of deformation during the cold rolling of titanium alloys pipes. IU. I. Rusinovich. TSvet. met. 35 no. 9:76-79 S '62.

Deformation center parameters in the cold rolling of pipe. V. I. Sokolovskii. Trudy Ural. politekh. inst. no. 110:59-66 '62.

Determining reductions in the cold rolling of pipe. IU. F. Shevakin and others. Sbor. Inst. stal' i splav. no. 40: 413-421 '62.

Diffusion processes in a nonuniformly heated layer undergoing deformation. I. A. S. Podstrigach, V. S. Pavlina. Vop. mekh. real' i tver. tela no. 1:67-75 '62.

Effect of the deformation temperature on austenitic steel phase constitution. V. I. Grigorin. Izv. vys. ucheb. zav. i Chern. met. 5 no. 12:110-116 '62.

Effect of the number of unit deformations on changes in the mechanical properties of steel. IU. F. Shovakin, S. A. Naumov. Sbor. Inst. stal' i splav. no. 40:430-442 '62.

Effect of the number of unit deformations on the energy consumption in the cold rolling of pipe. IU. F. Shovakin, S. A. Naumov. Sbor. Inst. stal' i splav. no. 40:431-439 '62.

Effect of plastic deformation on the kinetics of low-temperature transformations in NiFeCr and NiFeMo alloys. A. D. Korotsev. Izv. vys. ucheb. zav. i fiz. no. 6:139-142 '62.

Elastic-plastic deformation caused by torsion of a rod with a shallow semicylindrical groove on the surface. M. I. A. Leonov, N. I. Shvaiko. Vop. mekh. real' i tver. tela no. 1:5-12 '62.

Geometry of the center of deformation during pipe expansion of transverse rolling. IU. F. Shovakin, F. S. Seldaliev. Sbor. Inst. stal' i splav. no. 40:388-394 '62.

Interaction between a shock wave and a displace barrier in an elastic-plastic medium. G. M. Liakhov, N. I. Poliakova. PMTF no. 5:80-95 S-O '62.

Inverse elastic-plastic problem in the case of antiplane deformation. G. P. Cherepanov. Prikl. mat. i mekh. 28 no. 9:1145-1147 N-D '62.

Maximum speed of deformation during deep drawing of sheet materials. V. I. A. Shekhter. Kuz.-shtam. proizvod. 4 no. 12:16-18 D '62.

Measuring plastic deformations in flat stress condition. IU. E. Bendarev, V. V. Varneilo, G. I. TSibin. Izv. vys. ucheb. zav. i Chern. met. 5 no. 12:81-87 '62.

Mechanism of the plastic deformation of rhodium with various degrees of purity. E. M. Savitskii, G. E. Chuprikov. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:167-170 N-D '62.

Mechanism of the plastic deformation of titanium alloy tubes in the reduction process. IU. F. Shevakin, IU. I. Rusinovich. Sbor. Inst. stal' i splav. no. 40:405-412 '62.

Mechanism underlying the plastic deformation of alloys within the melting temperature range. I. I. Novikov, F. S. Novik. Dokl. AN SSSR 147 no. 6:1352-1354 D '62.

Method of precise expression of local deformation functions. A. Zil'ber, V. Tabun. Izv. AN Latv. SSR no. 8:55-60 '62.

On the difference in the effect of impurities and plastic deformation on the temperature of a superconducting junction in a metal. B. G. Lazarev, I. S. Lazareva, V. I. Makarov. Zhur. eksp. i teor. fiz. 43 no. 6:2311-2312 D '62.

Plane specimens with cracklike concentrators for the experimental study of plasticity bands. G. I. Kornilov, S. I. Aremu. Vop. mekh. real' i tver. tela no. 1:29-36 '62.

Qualitative study of a circular symmetrically compressed plate under heavy load along the contour (proof of the appearance of crimps). N. F. Morozov. Dokl. AN SSSR 147 no. 6:1318-1319 D '62.

Resistance to deformation in rolling carbon and chromium steels. P. I. Polukhin and others. Sbor. Inst. stal' i splav. no. 40:84-93 '62.

Slip bands caused by nonuniform deformation of a plate. P. M. Vitvitskii, M. I. A. Leonov. Vop. mekh. real' i tver. tela no. 1:13-28 '62.

Speed of metal flow in the center of deformation during the cold rolling of pipe. V. I. Sokolovskii. Trudy Ural. politekh. inst. no. 119:54-58 '62.

Stability of a plane layer of an ideally conducting viscous fluid in a longitudinal magnetic field. G. A. Glonti. Izv. vys. ucheb. zav. i fiz. no. 6:168-170 '62.

Stability of a thick plate subjected to plastic deformation. I. D. Logenla. Dokl. AN SSSR 147 no. 6:1314-1317 D '62.

Tensions and deformations in a quasi-isotropic elastic body. Nauch. trudy I.T.A. no. 94:23-40 '62.

DEFORMATIONS (MECHANICS)—TESTING

Use of optically active coatings in the study of processes occurring during the press-working of metals. P. I. Polukhin, V. K. Vorontsov. Sbor. Inst. stal' i splav. no. 40:277-282 '62.

Using the optical polarization method for the investigation of strains and elastic deformations of rolling mill rolls. IU. D. Zheloznov, V. P. Polukhin. Sbor. Inst. stal' i splav. no. 40:251-263 '62.

DEGTYARKA (SVERDLOVSK PROVINCE)—COPPER MINES AND MINING

Voluntary designers have received an order. V. Tuzin. NTO 4 no. 11:20-21 N '62.

DEHYDRATED FOODS see Food, Dried

DEHYDRATION (CHEMISTRY)

Effect of the acidity of oxide catalysts on their catalytic activity. Part 2: Dehydration of isopropyl alcohol. V. A. Dats'ko and others. Kin. i kat. 3 no. 5:728-733 S-O '62.

Effect of the degree of dehydration of the Al₂O₃ surface on its adsorption properties and elementary areas occupied by adsorbed molecules. M. P. Maksimova, V. E. Vasnerberg, A. A. Bolandir. Izv. AN SSSR. Otd. khim. nauk no. 1:17-21 '63.

Stereospecificity of the dehydration of 3-pentanol on acid-type catalysts. L. Kh. Freidlin, V. Z. Sharf, Z. T. Tukhtamurov. Neftekhimiya 2 no. 6:730-734 S-O '62.

Thermodynamics and kinetics of diethyl ether dehydration on aluminum oxide. I. M. Kolesnikov. Neftekhimiya 2 no. 6:736-743 S-O '62.

DEHYDROGENATION

Catalytic dehydroisomerization of alkylcyclopentanes. Part 2. O. E. Morozova and others. Neftekhimiya 2 no. 5:878-880 S-O '62.

Developing a continuous system for the process of dehydrogenation of butylenes to bitylenes. V. S. Aliev, A. P. Kasimova, M. E. Murevchik. Azorb. nef. khoz. 41 no. 6:31-34 Je '62.

DELAY LINES

Calculation of coupling resistances of periodic delay systems. K. I. A. Lishchovoi, I. A. K. Trokhimenko. Izv. vys. ucheb. zav. i radiotekh. 5 no. 6:682-687 N-D '62.

Matching devices for ridge-type delay systems. L. M. Andruschenko, V. E. Chaika. Izv. vys. ucheb. zav. i radiotekh. 5 no. 6:736-737 N-D '62.

Use of selective delay lines for correcting singular and grouped errors. A. N. Radchenko, E. T. Mironchikov. Sbor. rab. po vop. elektromekhn. no. 7:204-305 '62.

DELIVERY OF GOODS (LAW)

"Basic Principles of Civil Law" and the further improvement of laws which regulate the delivery of goods. IU. M. Aristakov, I. V. Rabinovich. Sov. gos. i pravo 33 no. 2:78-88 F '63.

Decisions of arbitration agencies. Sov. iust. no. 24:30 D '62.

Grihanov, V. P. [Liability of sellers and purchasers under delivery of goods contracts] Otvety na voprosy' storon po dogovoru postavki. Moskva, Gosizdat, 1962. 114 p. (Biblioteka khuzhaisivennika)

DENSITOMETERS

Accuracy of measuring the density of hydraulic mixtures with radiodensitometers and the methodology of fixing and controlling the operation of the instruments. E. I. Buldakov. Nauch. soob. IGD 14:150-154 '62.

Gamma-gamma densitometer for measuring soil density [with summaries in English, German, and French]. O. P. Shipenko. Vest. sel'khoz. nauk 7 no. 5:150-153 My '62.

The IPP-1M radioisotope meter of pulpe density. M. L. Gol'din, I. R. Lmetkil, IU. I. Razdovskii. Avtom. i prib. no. 4:10-13 O-D '62.

DEOXY SUGARS

Synthesis and study of aminodeoxy sugars. Part 3: 1,2-Cyclohexyliden-5-amino-5-deoxy-3-p-toluenesulfonyl-D-xylose. V. I. Vekeler. Zhur. ob. khim. 38 no. 12:4000-4003 D '62.

DEPARTMENT STORES see subdivision under Georgia; Minsk

DEPARTMENT STORES—ACCOUNTING see subdivision under Leningrad

DEPARTMENT STORES—EMPLOYEES see subdivision under Moscow

DEPSIDES

Dopiden. Report No. 7: Structure of emulatin B. M. M. Shamlakin and others. Izv. AN SSSR. Otd. khim. nauk no. 12:2154-2161 D '62.

DERAZHNYA DISTRICT—COLLECTIVE FARMS—MANAGEMENT

Hidden potentialities for increasing the profitability of collective farm production. I. Zavade'kiy, Ekhn. Rad. Ukr. no. 6:61-65 N-D '62.

DEREVLEVO—ANTIQUITIES

Treasure. G. Fedorov. Znan.-slia 37 no. 10:44-47 O '62.

DERZHAVIN, GAVRIL ROMANOVICH, 1743-1816

Unrevealed letter written by G. R. Derzhavin. P. A. Leshchenko. Uch. zap. Rev. gos. ped. inst. 6:340-343 '61.

DESERT CANDLE

(see also subdivision under Soviet Central Asia) Some indices of vital processes in the species of the genus Eremurus. E. I. Komizerko. Blul. Glav. bot. suda no. 47:32-38 '62.

DESERT FLORA

(see also subdivision under Mongolia)

Some characteristics of the structure of axial organs in desert and semidesert shrubs. Sh. G. Dadasheva. Dokl. AN SSSR 147 no. 4:974-976 D '62.

DESIGN, INDUSTRIAL

The artist enters the world of machinery; the boundaries of art expand. Tekh. mol. 30 no. 12:22-24 '62.

Physiological principles of the organization of the work area. S. Koslov. Sots. trud 7 no. 4:71-75 Ap '62.

Three-dimensional "designing" as a means of increasing labor productivity. A. Mirlis. Tekh. mol. 30 no. 12: 35-36 '62.

DESMANS see subdivision under Khoper Preserve

DESULFURATION

Highly active ferroaluminosilicate contact catalyst for thermal desulfuration of petroleum products. V. S. Komarov and others. Dokl. AN SSSR 147 no. 6:1413-1416 D '62.

Investigating the process of thiophene chlorination. N. N. Neshporenko and others. Koks i khim. no. 12:43-45 '62.

Mechanism of evaporation and the pressure of sulfur vapors on iron-carbon-sulfur melts. V. T. Burtsev, R. A. Kurayev, A. M. Samarin. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:32-36 N-D '62.

Three-stage desulfuration of viscose silk. A. I. Rozenberg, K. I. A. Iofina, M. R. Dontsova. Khim. volok. no. 6:50-52 '62.

DETERMINATIVE MINERALOGY see Mineralogy, Determinative

DETONATION

Critical diameter for the detonation of liquid explosives. A. N. Drem'in. Dokl. AN SSSR 147 no. 4:870-873 D '62.

DETONATION (Continued)

Experimental study of spinning detonation by means of a pressure pickup. M. E. Topchilov. PMTF no. 4:84-89 J1-Ag '62.

Signal for high-speed photography in flame detonation. I. T. Butenko and others. Met. i gornorud. prom. no. 5:84 S-O '62.

Spectroscopic study of the state of a gas behind the detonation front. R. I. Soloukhin, T. A. Sharapova. PMTF no. 2:37-41 Mr-Apr '62.

Structure of a detonation wave in a plane channel. V. V. Mitrofanov. PMTF no. 4:100-105 J1-Ag '62.

DEUTERIUM—SPECTRA

Characteristics of the spectrum of monodeuterobenzene. V. L. Broude, S. M. Kochubel. Opt. i spekt. 13 no. 6: 865-867 '62.

DEUTERIUM OXIDE—THERMAL PROPERTIES

Experimental study of the thermal capacity of heavy water in supercritical region of the parameters of state. S. L. Rivkin, B. N. Egorov. Teploenergetika 9 no. 12:60-63 D '62.

Thermal conductivity of heavy water. N. B. Vagratik, O. N. Oleschuk. Teploenergetika 9 no. 12:64-68 D '62.

DEVELOPMENT see Growth

DIABASE see subdivision under Ural Mountains

DIABETES

Content of protein and protein fractions in the blood in diathetic diabetes. Zdrav. Kazakh. 22 no. 7:51-56 '62.

Diabetes mellitus and pregnancy [with summary in English]. L. I. Lobanovskaya and others. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:141-174 '61.

Effect of ACTH on the evacuatory function of the stomach in dogs with experimental diabetes mellitus [with summary in English]. N. G. Leonov. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:202-209 '61.

Ovarian-menstrual cycle in diabetes mellitus [with summary in English]. L. I. Lobanovskaya. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:175-180 '61.

Sulfanilamide hypoglycemic preparations (nadsan, oranil, butamide and others) in the therapy of diabetes mellitus. T. S. Grinchenko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:366-368 '61.

Synthesis of sulfanilurea derivatives with hypoglycemic action [with summary in English]. N. I. Makhnenko, T. F. Sysoeva. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:333-335 '61.

DIAGNOSIS

Diagnostic importance of some modern graphic methods for the study of the cardiovascular system [with summary in English]. P. E. Lukomskii, V. V. Solov'ev. Vop. kard. 2-go MGMI no. 2:5-18 '62.

DIALECTIC

Minasian, A. M. [The categories of content and form] Kategorii soderzhanii i formy. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1962. 311 p.

DIALECTICAL MATERIALISM

Logical principles of science. G. A. Kursanov. Priroda 52 no. 1:18-24 '63.

Problems of Lenin's phase in the development of philosophy. S. I. Popov. Vop. filos. 17 no. 1:156-161 '63.

Some problems concerning the correlation of philosophy and natural sciences. L. B. Bazhenov, M. S. Slutskii. Uch. zap. Orekh.-Zuev. ped. inst. 12:245-262 '63.

Sviderskii, V. I. [Dialectic of elements and structure in the objective world and in perception] O dialektiko elementov i strukture v ob'ektivnom mire i v poznanii. Moskva, Sotssekgiz, 1962. 273 p.

Vislotskov, A. D. [Marxist dialectics and present-day mechanistic philosophy] Marksistskaya dialektika i sovremennyy mekhanizm. Moskva, Izd-vo VPS i AON pri TsK KPSS, 1962. 239 p.

DIALECTICAL MATERIALISM—STUDY AND TEACHING Kazakov, A. P. [Historical materialism] Istoricheski materializm; uchebno-metodicheskoe posobie dlia studentov zaochnykh otdelenii vuzov. [Leningrad] Izd-vo Leningr. univ., 1962. 82 p.

DIAMAGNETISM

Calculating the diamagnetic susceptibility of helium. P. Sh. Fridberg, V. K. Shugurov. Zhur. eksp. i teor. fiz. 43 no. 6:2308 D '62.

Electron density distribution in gray tin and the diamagnetic susceptibility. M. N. Sirota, A. U. Shelog. Dokl. AN SSSR 147 no. 8:1344-1347 D '62.

DIAMOND CUTTING

X-ray visual method of orientation of diamond crystals. G. G. Shamaeva, A. P. Artamonova. Kristallografiia 7 no. 3:454-456 My-Je '62.

DIAMONDS see subdivision under Verkhoyansk Range region

DIAMONDS, ARTIFICIAL

Alchemy on a scientific basis. G. Kotlov. Tekh. mol. 30 no. 12:6-7 '62.

DIATOMS see subdivision under Azov, Sea of; Yakutia; Yenisey Valley

DIAZO COMPOUNDS

Diazophosphinic and hydrazodiphosphinic esters. A. N. Pudovik, T. M. Moshkina, V. P. Khramtsova. Zhur. ob. khim. 33 no. 1:84-97 '63.

Reisolation of unsaturated compounds with aromatic diazo compounds. Part 17: Arylation of α -chlorostyrene and production of toluene. A. V. Dombrovskii, K. G. Tashchuk. Zhur. ob. khim. 33 no. 1:165-170 '63.

Structure and transformations of diazo compounds. Part 21: Transformations of aromatic diazo compounds in nonaqueous media. B. A. Poral-Koshits, B. V. Paset, E. F. Avramenko. Zhur. ob. khim. 33 no. 1:170-173 '63.

Synthesis of dinitrodiazodicarboxylic acids. I. S. Ivanova and others. Izv. AN SSSR, Otd. khim. nauk no. 12:236-238 D '62.

DIAZONIUM COMPOUNDS—SPECTRA

Ultraviolet absorption spectra of hydroxy- and methoxyphenyl diazonium chlorides. L. A. Kazitsyna and others. Izv. AN SSSR, Ser. fiz. 27 no. 1:53-55 Ja '63.

Ultraviolet absorption spectra of hydroxyphenyldiazonium chlorides. L. A. Kazitsyna and others. Zhur. ob. khim. 33 no. 1:223-227 '63.

Ultraviolet spectra of methoxyphenyldiazonium chlorides. L. A. Kazitsyna and others. Zhur. ob. khim. 33 no. 12:377-382 D '62.

DIBRACHYS

Parasite of the pink bollworm *Dibrachys caryus* Walker. R. S. Kolod'ko. Zashch. rast. ot vred. i bol. 5 no. 7: 48 J1 '60.

DICHLORO-DIPHENYL-TRICHLOROETHANE see DDT (Insecticide)

DICKENS, CHARLES, 1812-1870

Charles Dickens and the Chartists [with summary in English]. I. U. V. Kovalev. Vest. LGU 17 no. 20:98-110 '62.

DICTATORSHIP OF THE PROLETARIAT

Characteristics of the national state. V. O. Tenenbaum. Sov. gos. i pravo 33 no. 2:3-11 F '63.

Historical inevitability of the dictatorship of the proletariat and the variety of its political forms. A. Kotsayn. Otv. na vop. trud. no. 9:2-13 S '62.

DIE CASTING—EQUIPMENT AND SUPPLIES

Automatic electromagnetic unit for metal pouring on die-casting machines. P. I. Gelfand, V. P. Polishchuk. Mekh. i avtom. proizv. 18 no. 12:37-38 D '62.

Checking die-casting molds. P. Z. Cherkasskii, V. M. Mednikov. Mashinostroitel' no. 12:20 D '62.

DIELECTRIC CONSTANTS

Dielectric properties and molecular structure of liquid concentrated solutions [with summary in English]. M. I. Shakhparonov, R. M. Kasimov, I. A. Akhmedov. Ukr. fiz. zhur. 7 no. 8:874-882 Ag '62.

Effect of the dielectric constant of the solvent on the viscosity of electrolyte solutions [with summary in English]. E. A. Gorenbein. Ukr. fiz. zhur. 7 no. 8: 887-892 Ag '62.

Hydrogen bonding and the static dielectric permeability of organic liquids [with summary in English]. A. E. Lutskii, S. A. Mikhalenko. Ukr. fiz. zhur. 7 no. 8: 812-816 Ag '62.

Measurement of the dielectric permeability and conductivity of electrolyte solutions in the superhigh frequency range. P. S. Iastremskii. Uch. zap. Volg. gos. ped. inst. no. 11:82-87 '60.

On the dielectric constant theory. V. N. Piskovoi. Fiz. tver. tela 5 no. 1:3-14 Ja '63.

Temperature-frequency dependence of the dielectric parameters on nonaqueous plastic dispersive systems [with summary in English]. I. U. Fedina, G. V. Vinogradov, A. V. Lobastova. Koll. zhur. 24 no. 8:859-866 N-D '62.

X-ray diffraction and electric studies of the system $PbTiO_3-LaAlO_3$. S. A. Fedulov, I. U. N. Venevisev, D. F. Dzhamukhadzo. Kristallografiia 7 no. 3:408-411 My-Je '62.

DIELECTRIC LOSS

Dielectric loss in ionic crystals at high temperatures. A. P. Tarasov. Uch. zap. Volg. gos. ped. inst. no. 11: 88-106 '59.

Dielectric properties of potassium bromide single crystals. V. V. Panchenko. Uch. zap. Volg. gos. ped. inst. no. 11:115-117 '60.

DIELECTRICS

Approximate calculation of an electric field in a dielectric with low specific inductive capacitance. A. S. Bondarev, G. F. Semenov. Izv. vyz. ucheb. zav.; radiotekh. 5 no. 6:734-736 N-D '62.

Demonstrations of the physical properties of dielectrics. V. M. Dukov. Izv. vyz. ucheb. zav.; fiz. no. 6:44-47 '62.

DIELECTRICS, EFFECT OF RADIATION ON

Dielectric properties of insulating materials under gamma-radiation. Part 3: AG-4 plastic material. B. I. Vorozhlov, G. I. Potakhova, V. M. Nesterov. Izv. vyz. ucheb. zav.; fiz. no. 6:143-146 '62.

Effect of X rays on the structure of NaCl type crystals. E. V. Kolontsova, A. Kuliyev. Kristallografiia 7 no. 3:353-357 My-Je '62.

Ferroelectric properties of triglycinesulfate crystals irradiated with gamma quanta. V. A. Iurin, I. M. Silvestrova, I. S. Zheludev. Kristallografiia 7 no. 3: 384-402 My-Je '62.

Linear expansion coefficient of KCl crystals irradiated with protons. I. N. Anokhina and others. Kristallografiia 7 no. 3:420-432 My-Je '62.

DIENCEPHALON—DISEASES

Shefer, D. G. [Diencephalic syndromes] Diencefal'nyy sindromy. Moskva, Medgiz, 1962. 306 p. (DNLM)

DIES (METALWORKING)

Combination die of simple design. M. V. Deripaska. Kuz.-shtam. proizv. 4 no. 12:45-46 D '62.

Drop forging in split dies. A. V. Reibel'skii and others. Kuz.-shtam. proizv. 4 no. 12:3-8 D '62.

Investigating strain conditions in flash-free die operations. B. D. Kopyskii, I. A. M. Okhrimenko, Kuz.-shtam. proizv. 4 no. 12:12-16 D '62.

Nauchno-proizvodstvennaya konferentsiya "Problemy povysheniia stolkostoi i snizheniia stoimosti izgotovleniia shtampov v kuznechno-pressovom proizvodstve," Moscow, 1961. [Increasing the durability of dies] Problemy povysheniia stolkostoi shtampov; materialy konferentsii. Moskva, Ob-vo po rasprostraneniui polit. i nauchn. znaniy RFSSR. Vol. 1-2. 1961.

[MICROFILM]

Normal stresses on the cross-cut end of a shearing die. R. Lapidus. Izv. AN Latv. SSR no. 8:61-65 '62.

Progressive stage die for deep drawing. V. G. Kovalov, Kuz.-shtam. proizv. 4 no. 12:43-45 D '62.

DIESEL ENGINES

Experimental determination of the trajectory of the main journal center of the crankshaft of the D-54 diesel engine. K. G. Dudchenko. Izv. vyz. ucheb. zav. mashinostroitel. no. 7:50-56 '62.

Improve the quality in casting the crankshafts of 2D100 diesel engines. V. I. Nekliudov. Elek. i topl. tsiaga 6 no. 11:21 N '62.

Operation of Russian diesel engines on sulfurous fuels. N. V. Petrovskii. Energomashinostroyeniye 8 no. 11:14-16 N '62.

Start servomotor of the regulator of the 2D100 diesel engine. A. I. Rempel. Elek. i topl. tsiaga 6 no. 11:37-39 N '62.

Zheva, K. A. [High-speed diesel engines; design, assembly and operation] Dystrochnyye dizeli; ustroystvo, montazh i ekspluatatsiya. Moskva, Mashgtz, 1962. 389 p.

DIESEL ENGINES—COLD WEATHER OPERATION

Compound starting device for the IaAZ-204 and IaAZ-209 engines. B. I. Krol', V. L. Suchkov. Stroitel'stvo, 7 no. 12:25-26 D '62.

DIESEL ENGINES—LUBRICATION

Lengthening the running time of diesel locomotives between crankcase lubrication oil changes. A. D. Belen'kii, M. A. Strusevich. Vest. TSNI MPS 21 no. 8:28-30 '62.

DIESEL ENGINES—MAINTENANCE AND REPAIR

A universal machine tool for repairing cylinder caps of the D50 diesel engine. I. P. Levin. Elek. i topl. tsiaga 6 no. 11:14-15 N '62.

DIESEL FUELS

Study of the mixture of Baku sour petroleum for producing high-grade diesel fuels. K. G. Veliev, M. A. Mardanov, M. I. Makhmudbekova. Azerb. nef. khoz. 41 no. 5:37-39 Je '62.

DIESEL LOCOMOTIVES

(see also subdivision under Great Britain)

Coating with caprons of the axle box supports of diesel locomotives. N. V. Rodzevich, I. V. Tarelkin. Elek. i topl. tsiaga 6 no. 11:18 N '62.

Emergency excitation network of the auxiliary generator. K. S. Urbanskii. Elek. i topl. tsiaga 6 no. 11:36 N '62.

Improve the quality in casting the crankshafts of 2D100 diesel engines. V. I. Nekliudov. Elek. i topl. tsiaga 6 no. 11:21 N '62.

Improving the utilization, maintenance and repair of locomotives. D. T. Turgunov. Zhel. dor. transp. 44 no. 12:87-90 D '62.

Merits and shortcomings of the TEP10 diesel locomotive. V. M. Eliseev. Elek. i topl. tsiaga 6 no. 11:10 N '62.

Mikheev, A. P., I. A. V. Shukstai', and V. A. Dmitriyev. [Efficiency of electric and diesel traction in railroad transportation] Effektivnost' elektricheskoi i teplovoznoi tiagi na zhelezнодорожном transporte. Pod red. T. S. Khashaturova i A. P. Mikheeva. Moskva, Gosplanizdat, 1960. 302 p.

Nonferrous metals should be economized in the manufacture of diesel locomotives. S. M. Kravets. Elek. i topl. tsiaga 6 no. 11:44 N '62.

Replies to the inquiries of our readers. Z. M. Dubrovskii, A. N. Gurevich, M. N. Khatskelevich. Elek. i topl. tsiaga 6 no. 11:42-43 N '62.

DIESEL LOCOMOTIVES—BIBLIOGRAPHY see Bibliography—Diesel locomotives

DIESEL LOCOMOTIVES—COOLING

Egunov, P.M. [Coolers of diesel locomotives] Teplovoznaya kholodil'niki. Moskva, Transzheldorizdat, 1962, 84 p. (Biblioteka mashinista teplovoza)

In the departments and laboratories of the Central Scientific Research Institute of the Ministry of Railroad Transportation, Vest. TSNI MPS 21 no. 9, 50 '62.

Malinov, M.S., IU, A. Kulikov, and E. B. Chertok. [Cooling systems of diesel locomotives] Okhlazhdaniye ustroystva teplovozo. Moskva, Mashgiz, 1962, 266 p.

DIESEL LOCOMOTIVES—DESIGN AND CONSTRUCTION

Reinforcing the wear resistance of diesel locomotive gushings, T. V. Larin, B. M. Astashkevich, Vest. TSNI MPS 21 no. 8, 24-28 '62.

DIESEL LOCOMOTIVES—FUEL SYSTEMS

Cleaning of wooden fuel filter plates, V. N. Iur'ev, M. N. Brovkin, Elek. i topl. torga 6 no. 11, 24 N '62.

DIESEL LOCOMOTIVES—HYDRAULIC DRIVE

Zel'tser, G. Ia., and others. [The TG102 diesel locomotive] Teplovoz TG102. Moskva, Transzheldorizdat, 1962, 150 p.

DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR (see also subdivision under Astrakhan)

Russia (USSR) U.S.S.R. Ministerstvo puti soobshcheniya. [Rules for the factory repair of TFS and TFS-7 series diesel locomotives] Pravila zavodskogo remonta teplovozo seri TFS i TFS-7. Moskva, Transzheldorizdat, 1962, 360 p.

DIESEL LOCOMOTIVES—TRANSMISSION DEVICES

Hydraulic transmission system of a 4,000 hp, diesel locomotive, A. A. Petrov, Elek. i topl. torga 6 no. 11, 46-48 N '62.

DIET KITCHENS

Prophylactic nutrition at a plant, O. Molchanova, Okhr. truda i zds, strakh, 6 no. 1, 42-43 Jn '63.

DIFFERENCE EQUATIONS

Asymptotic behavior of solutions to differential-difference equations in the case of a small deviation of the argument, A. B. Vasil'eva, Zhur. vych. mat. i mat. fiz. 2 no. 5, 780-788 S-O '62.

Determining the position of a controllable nonlinear pulsed system in phase space, I. A. N. Roltenberg, Prikl. mat. i mekh. 26 no. 6, 1136-1140 N-D '62.

Godunov, S. K., and V. S. Rabinovich. [Introduction to the theory of different systems] Vvedenie v teoriyu raznostnykh skhem. Moskva, Fizmatgiz, 1962, 340 p.

Homogeneous difference systems on nonuniform nets, A. N. Tikhonov, A. A. Samarskii, Zhur. vych. mat. i mat. fiz. 2 no. 6, 812-832 S-O '62.

DIFFERENTIAL ANALYZERS, ELECTRONIC see Electronic differential analyzers

DIFFERENTIAL EQUATIONS

Boundary value problem with conditions at infinity for an ordinary second-order differential equation, I. U. A. Kiklov, Usp. mat. nauk 17 no. 6, 145-149 N-D '62.

Convergence of the fractional step method for the heat conduction equation with variable coefficients, N. N. Ikonko, Zhur. vych. mat. i mat. fiz. 2 no. 5, 933-937 S-O '62.

Criterion equations of nonstationary heat and mass transfer in humid bodies, I. U. Mikhailov, Izv. AN Latv. SSR no. 10, 87-90 '62.

Derivation of energy equations of interpenetrating movements of gaseous media [with summary in English], V. I. Maron, V. A. Medvedev, Vest. Mosk. un. Ser. I: Mat., mekh. 10 no. 1, 43-46 Ja-F '63.

Determination of special solutions to equations in the theory of elasticity, I. A. S. Podstrigach, I. A. I. Burak, Vop. mekh. real' tver. tela no. 1, 95-100 '62.

Equations of motion describing the magnetization intensity in deformed anisotropic media [with summary in English], K. B. Vlasov, Zhur. eksp. i teor. fiz. 43 no. 6, 2128-2135 D '62.

Equations of thermal and electric conductivity for a partially ionized gas, A. F. Nastoishechii, L. D. Puzikov, PMTF no. 5, 52-58 S-O '62.

Fundamental solution to a parabolic equation, A. M. Ilin, Dokl. AN SSSR 147 no. 4, 768-771 D '62.

Invariant group solutions to the equations of a laminar stationary beam of charged particles, V. A. Syrovol, PMTF no. 4, 10-20 JI-Ag '62.

The method of averaging in systems of ordinary differential equations, V. M. Volosov, Usp. mat. nauk 17 no. 6, 123-128 N-D '62.

On conditional stability in critical cases, V. A. Pliis, Dokl. AN SSSR 147 no. 6, 1292-1293 D '62.

On possible extensions of the concept of solution for linear and quasi-linear second-order elliptic equations [with summary in English], O. A. Ladyzhenskaya, N. N. Ural'tseva, Vest. LGU 18 no. 1, 10-25 '63.

On the derivation of equations of anisotropic magneto-hydrodynamics, V. B. Baranov, Prikl. mat. i mekh. 26 no. 6, 1092-1093 N-D '62.

On the discrete spectrum of a radial Schrödinger equation, L. A. Sakhnovich, Mat. sbor. 58 no. 4, 377-386 D '62.

On the existence of a solution to Verigin's problem, L. I. Kamynin, Zhur. vych. mat. i mat. fiz. 2 no. 5, 833-858 S-O '62.

On the region of influence of a singular point of higher order [with summary in English], A. R. Efendiev, Vest. Mosk. un. Ser. I: Mat., mekh. 18 no. 1, 14-25 Ja-F '63.

Optimality of implicit difference systems of the Adams type, A. N. Tikhonov, A. D. Gorbunov, Zhur. vych. mat. i mat. fiz. 2 no. 5, 930-933 S-O '62.

A practical method for the automatic selection of scales in solving systems of ordinary differential equations, I. F. Goncharova, A. V. Marlynov, Zhur. vych. mat. i mat. fiz. 2 no. 5, 921-924 S-O '62.

Regularization of the classical equations of electrodynamics [with summary in English], A. S. Kompaneets, Zhur. eksp. i teor. fiz. 43 no. 6, 2185-2187 D '62.

Solution of one problem of unsteady percolation by the method of integral relations, M. A. Tairov, Zhur. vych. mat. i mat. fiz. 2 no. 5, 938-942 S-O '62.

Spectrum analysis of Friedman-Keller equations for uniform turbulence, M. M. Prudnikov, Prikl. mat. i mekh. 26 no. 6, 1099-1103 N-D '62.

Stability of the solution to Minkowski's problem [with summary in English], I. U. A. Volkov, Vest. LGU 18 no. 1, 33-43 '63.

A time-saving difference method of solution of n-dimensional parabolic equations in an arbitrary region, A. A. Samarskii, Zhur. vych. mat. i mat. fiz. 2 no. 5, 787-811 S-O '62.

Use of Laplace functions in studying the behavior of the trajectories of some systems of differential equations, M. B. Kudav, Dokl. AN SSSR 147 no. 6, 1285-1287 D '62.

DIFFERENTIAL EQUATIONS—NUMERICAL SOLUTIONS

A method for the numerical solution of Cauchy's problem for divergent systems, V. B. Balakin, Zhur. vych. mat. i mat. fiz. 2 no. 5, 926-930 S-O '62.

Method of numerical calculation of discontinuous solutions to gas dynamics equations [with summary in English], V. B. Balakin, Inzh. - fiz. zhur. 6 no. 1, 105-108 Ja '63.

Numerical method of integral relations, O. M. Bolotserkovskii, P. I. Chushkin, Zhur. vych. mat. i mat. fiz. 2 no. 5, 731-759 S-O '62.

Numerical solution of a quasi-linear hyperbolic system of partial differential equations [in Georgian with summary in Russian], F. G. Tskhadia, Trudy Vych. tsentra AN Gruz. SSR 2: 20-46 '62.

Numerical solution of Dirichlet's problem for Poisson equations, M. Aleksidze, Dokl. AN SSSR 147 no. 6, 1271-1273 D '62.

DIFFERENTIAL EQUATIONS, LINEAR

Applicability of S. A. Chaplygin's methods to second-order partial linear equations with two independent variables, I. V. Malorov, Uch. zap. Volg. gos. ped. inst. no. 11, 180-189 '62.

Approximate solution to Cauchy's problem for hyperbolic systems with two independent variables using S. A. Chaplygin's method, I. V. Malorov, Uch. zap. Volg. gos. ped. inst. no. 11, 208-211 '62.

Criterion of the boundedness of solutions to linear partial differential equations with a leading term, M. A. Rutman, Dokl. AN SSSR 147 no. 4, 769-792 D '62.

Extension of S. A. Chaplygin's theorem on differential inequalities to mixed type equations, I. V. Malorov, Uch. zap. Volg. gos. ped. inst. no. 11, 190-208 '62.

Linear differential equations with exponential coefficients and stationary delayed arguments. Irregular case, K. G. Valeev, Prikl. mat. i mekh. 26 no. 6, 1012-1024 N-D '62.

DIFFERENTIAL EQUATIONS, PARTIAL

Asymptotic representation of the solution to Cauchy's problem for a linear system of hyperbolic partial differential equations at large parametric values, T. S. Tsutsunava, Trudy Vych. tsentra AN Gruz. SSR 2: 245-258 '62.

Solution to a fundamental boundary value problem for certain linear even-order partial differential equations, A. E. Martynuk, Dokl. AN SSSR 147 no. 6, 1288-1291 D '62.

DIFFERENTIAL GEOMETRY see Geometry, Differential

DIFFRACTION

Diffraction of a nonstationary wave on a semiplane, E. F. Afanas'ev, Inzh. zhur. 2 no. 4, 337-340 '62.

DIFFUSION

Calculation of thermal diffusion in laminar flow of an incompressible viscous liquid at high Prandtl numbers, A. M. Suponitskii, PMTF no. 2, 126-128 Mr-Ap '62.

Diffusion coefficients of some binary mixtures of vapors of some hydrocarbons and air, I. U. D. Vasilevskaya, Teplo- i massoper. 1: 181-185 '62.

Diffusion in an inhomogeneous rarefied plasma induced by the excitation of "ion-acoustic" oscillations [with summary in English], V. D. Shapiro, Ukr. fiz. zhur. 7 no. 10, 1033-1045 O '62.

Diffusion processes in a nonuniformly heated layer undergoing deformation, I. A. S. Podstrigach, V. S. Pavlina, Vop. mekh. real' tver. tela no. 1, 87-75 '62.

Effect of diffusion on the relation between the intensity of proton resonance lines and the concentration of paramagnetic ions, A. A. Popel', E. D. Grazhdanikov, Izv. AN SSSR, Ser. fiz. 27 no. 1, 88-89 Ja '63.

Effect of the composition of a solution on the diffusion rate of electrolytic hydrogen through metallic diaphragms. Part I: Diffusion of hydrogen through iron diaphragms [with summary in English], I. A. Bagoiskala, Zhur. fiz. khim. 36 no. 12, 2667-2673 D '62.

Effect of weak concentrations of zirconium, niobium, and molybdenum on the self-diffusion of iron, V. V. Sanadze, T. A. Tsivitsivadze, K. G. Tairishvili, Izv. vys. ucheb. zav. i fiz. no. 6, 38-43 '62.

Mass-transfer coefficient in the electrolysis of aqueous solutions of CuSO₄ and ZnSO₄ calculated from the refractographic method data, E. I. Grabova, Izv. vys. ucheb. zav. i khim. i khim. tekhn. 5 no. 5, 743-748 '62.

Optical method for determining the mutual diffusion coefficients of gases, P. E. Suetin, Teplo- i massoper. 1: 188-190 '62.

Temperature dependence of the coordination numbers and diffusion coefficients of liquids [with summary in English], G. M. Panchenkov, V. V. Erchenkov, Ukr. fiz. zhur. 7 no. 8, 801-806 Ag '62.

Temperature dependence of the diffusion coefficients of gases, V. F. Vyshenskaya, N. D. Kosov, Teplo- i massoper. 1: 181-187 '62.

Use of pulse technique in studying neutron diffusion in sintered beryllium oxide, I. F. Zhezherun, Atom. energ. 14 no. 2, 193-199 F '63.

DIFFUSION COATINGS

Chemical nickel coating of welded aluminum parts, S. A. Vishenkov and others, Metalloved. i term. obr. met. no. 12, 33-38 D '62.

Thermal diffusion in the system tungsten-beryllium, P. M. Arzhany, R. M. Volkova, D. A. Prokoshkin, Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl. no. 6, 162-166 N-D '62.

Use of chemical nickel coating of pearlitic steel parts in the manufacture of power engineering turbines, A. V. Rjabchenko, A. V. Velitsyna, L. D. Zamoshnikov, Metalloved. i term. obr. met. no. 12, 30-33 D '62.

DIGESTION

Digestion and metabolism of young swine in qualitatively different protein nutrition, E. N. Bakoova, Nauch. trudy Polt. nauch. -issl. inst. svin. 22: 18-35 '62.

Ugolev, A. M. [Parietal (contact) digestion] Prirodochnoe (kontaknoe) pishchevarenie, Moskva, Izd-vo Akad. nauk SSSR, 1963, 169 p.

DIKES (GEOLOGY) see subdivision under Transbaikalia

DIKHAKI, DARVISH

Boldyrev, A. N. ["Divan" by Darvish Dikhaki; according to the manuscript in the collections of the M. E. Saltykov-Shchedrin State Public Library in Leningrad] "Divan" Daryleha Dikhaki; po rukopisi Gosudarstvennoi publichnoi biblioteki im. M. E. Saltykova-Shchedrina v Leningrade. Moskva, Izd-vo vostochnoi lit-ry, 1960, 8 p. (XXV Mezhdunarodnyi kongress vostočkovedov; doklady delegatsii SSSR)

DIKOTEX

Dikotex as an effective herbicide in the control of sow thistle, A. L. Tkachenko, Nauk. pratsi asp. UASHN no. 5, 90-93 '60.

DILATOMETER

Capacitive dilatometer, V. V. Fanchenko, Uch. zap. Volg. gos. ped. inst. no. 11, 107-114 '62.

DILATOMETRY

Coefficient of the linear expansion of glass plastics, P. Z. Li and others, Plast. massy no. 11, 35-40 '62.

Determination of the value of the heat effect of pearlitic transformation with the aid of a differential dilatometer, F. K. Tkachenko, Zav. lab. 28 no. 12, 1472-1473 '62.

DIMENSIONAL ANALYSIS

On transfinite dimensionality, I. U. M. Smirnov, Mat. sbor. 58 no. 4, 415-422 D '62.

DIMETHYLAMINE

Synthesis of substances with hypotensive action from derivatives of quaternary ammonium bases. Report No. 5: Quaternary salts of 1,6-hexamethylene-bis-(dimethylamine) [with summary in English], I. B. Simon, Trudy Ukr. nauch. -issl. inst. eksper. endok. 18: 358-360 '61.

DIMITROV, GEORGI, 1882-1949—HOMES AND HAUNTS

G. Dimitrov's life in the Archangel'skoye Museum-Estate, 1934, V. L. Rappoport, Ist. arkh. 8 no. 5, 214-215 S-O '62.

DIODES

Role of the phenomena occurring on the cathode of a plasma diode as a model of a magneto-gas dynamic energy converter, N. D. Morgulis, Ukr. fiz. zhur. 7 no. 10, 1131-1134 O '62.

DIOPSIDE

Effect of the acid-base interaction of the components in the system aegirite - hedenbergite - diopside, L.L. Perezhak, Dokl. AN SSSR 147 no.6:1461-1464 D '62.

DIOXANE

Bromination by dioxane dibromide. Part 2: Kinetics and mechanism of phenol bromination, V.S. Karpinskii, V.D. Lashenko, Zhur.ob.khim. 32 no.12: 3887-4004 D '62.

Preparation of isoprene from dimethyldioxane. Part 1: Role of a catalyst and of a carrier, Zh.Gershkovich and others, Zhur.ob.khim. 32 no.12:3987-3990 D '62.

Preparation of isoprene from dimethyldioxane. Part 2: Hydrolysis of 4-alkyl-1,3-dioxanes, Zh.Gershkovich and others, Zhur.ob.khim. 32 no.12:3990-3992 D '62.

Preparation of isoprene from dimethyldioxane. Part 3: Acidity and activity of a cracking catalyst, Zh.Gershkovich and others, Zhur.ob.khim. 32 no.12:3992-3997 D '62.

DIOXOLANE—SPECTRA

Proton magnetic resonance spectra of substituted dioxolanes, B.A. Arbutov, IU, IU, Samilov, L.K. Iudashova, Izv. AN SSSR, Ser. fiz. 27 no.1:89-92 Ja '63.

DIPHENYLAMINE—SPECTRA

Electron spectra and the nature of the absorption bands of aromatic amine derivatives. Part 4: Electron spectra and the nature of the absorption bands of acetyl derivatives, N-hydroxy-, and N-nitroso derivatives of diphenylamine, P.M. Bugal, V.N. Konel'skaya, A.S. Gol'tserova, Zhur.fiz.khim. 36 no.12:2764-2767 D '62.

DIPHTERIA see subdivision under Leningrad

DIPLOMATIC AND CONSULAR SERVICE

Blahchenko, I.P., and V.N. Durdenevskii, [Diplomatic and consular law] Diplomaticheskoe i konsul'skoe pravo, Moskva, Izd-vo IMO, 1962, 479 p.

DIPLOMATIC PRIVILEGES AND IMMUNITIES

Concept of diplomatic immunity, V.N. Durdenevskii, M.P. Bilshchenko, Izv.vys.ucheb.zav.prav. 6 no.4:120-127 '62.

DIPOLE MOMENTS

Nature of collective dipole excitations of atomic nuclei, V.V. Balashov, Izv. AN SSSR, Ser. fiz. 16 no.12: 1459-1469 D '62.

On the form of dipole resonance in deformed nuclei [with summary in English], S.F. Semenko, Zhur. eksp. i teor. fiz. 43 no.6:2188-2193 D '62.

Spectroscopic method for determining the dipole moments of polynuclear molecules in the ground and excited states [with summary in English], N.G. Bakhtshiev, Ukr.fiz.zhur. 7 no.0:920-923 Ag '62.

DIRECT CURRENT MACHINERY see Electric motors, Direct current

DIRICHLET'S SERIES see Series, Dirichlet's

DISABILITY EVALUATION

(see also subdivision under Moscow; Novosibirsk Province; Pavlov Province; Rostov Province; Udmurt A.S.S.R.)

Disability evaluation, L. Vanaks and others, Sots.obesp. 23 no.12:16-25 D '62.

Disability evaluation of patients with insufficient blood circulation in the brain, V. Vovyn, Sots.obesp. 23 no.0:40-42 S '62.

Grabber couple, A. Trofimov, Sots.obesp. 23 no.0: 38-37 S '62.

Is a deaf-mute an invalid? B. Liaker, Sots.obesp. 23 no.0:35 S '62.

Kudriavtsov, M.A., [Medical expertise on work capacity in brain injuries] Vrachebno-trudovaya ekspertiza pri travmah golovnogo mozga, Moskva, Medgiz, 1962, 143 p. (Biblioteka prakticheskogo vracha)

(DNLM)

Let's introduce progress into the practice of disability evaluation, A. Tretyakov, Sots.obesp. 23 no.11: 52-59 N '62.

New statute on disability evaluation commissions, A. Tretyakov, Sots.obesp. 24 no.1:21-26 Ja '63.

DISARMAMENT

Arkad'ev, N.N., [General disarmament, the way to enduring peace] Vseobshchee razoruzheniye, put' k prochnomu miru, Moskva, Gospolitizdat, 1962, 82 p. (Biblioteka vneshnei politiki SSSR)

(MH)

Kul'kov, I.I., [Bankruptcy of the economic plans of the "cold war,"] Bankrotstvo ekonomicheskikh planov "kholodnoi voyny," Moskva, Ekonomizdat, 1962, 177 p.

Politics and arithmetic, B. Leont'ev, Nov.vrem. 20 no.1:16-17 Ja '63.

Problems must be solved with respect to specific conditions, Mezhdunar. zhizn' 10 no.2:3-6 F '63.

"The Soviet Union, disarmament, and peace: facts and events, 1917-1962" by V.M. Khatsman. Reviewed by A. Zaretskii, G. Mesonzhnik, Komm. Mold. 7 no.12: 75-77 D '62.

Very blessed Theodosius VI, Patriarch of Antioch and all the East, on peace and disarmament, P. Petrova, Zhur. Mosk. Patr. no.11:89 N '62.

World teachers in the struggle for general and total disarmament, I.I. Grivkov, Sov.pedag. 26 no.8: 7-16 Ag '62.

DISARMAMENT—CONGRESSES

Delegates to the World Congress for General Disarmament and Peace choose "a chain reaction to life," Yvonne Quiles, Zhen.mira no.9:6-10 '62.

Main objective of humanity, P.A. Mauna, Doshk.vosp. 35 no.0:10-11 S '62.

News from everywhere, Zhen.mira no.4:4 '62.

The peaceful conquest of Geneva, Eli Steinman, Zhen.mira no.7:18-19 '62.

World Congress for General Disarmament and Peace, Zhen.mira no.7:4 '62.

The world gathering of women for disarmament, Yvonne Quiles, Zhen.mira no.5:16-17 '62.

DISARMAMENT—ECONOMIC ASPECTS

(see also subdivision under Poland; United States)

If disarmament were achieved... N. Matkovskii, Nov.vrem. 20 no.3:4-5 Ja '63.

Letters to the editor, Friedrich Eger and others, Nov.vrem. 20 no.7:10 F '63.

DISCHARGE OF CONTRACTS

Gribanov, V.P., [Liability of sellers and purchasers under delivery of goods contracts] Otvetstvennost' storon po dogovoru postavki, Moskva, Gosizdat, 1962, 114 p. (Biblioteka khozislavennika)

DISCOVERIES (IN GEOGRAPHY)—BIBLIOGRAPHY see Bibliography—Discoveries (in geography)

DISEASE GERMS see Bacteria, Pathogenic

DISEASES—CAUSES AND THEORIES OF CAUSATION

Cold or infection? IU. Moralevich, NTO 4 no.12:50-59 D '62.

DISEASES—REPORTING

Use of information on the disease incidence among the population in practical polyclinic work, M.M. Mazur, Zdrav.Ros.Feder. 6 no.12:36-39 D '62.

DISHWASHING MACHINES

Mechanism for piling clean plates, L. Kaz'mina, Sh. Bederdinov, Obshchestv. pit. no.11:57-59 N '62.

DISINFECTION AND DISINFECTANTS

DONETSK PROVINCE—TAX ACCOUNTING

Practice in transferring deductions from profit into local budgets, S. Ivanov, Fin.SSSR 23 no.12:59-60 D '62.

DOORS

Economical doorframes, I. Chernobuk, Sel'stol. 15 no.4:27 Ap '60.

DOORS—STANDARDS

Technical requirements for windows and doors, N. Kozlov, Zhil.stroil. no.12:15-16 '62.

DORMANCY IN PLANTS

Dormancy and winter hardiness of apple trees in Sakhalin, T.G. Voronova, Vest.soi'khoz.nauki 7 no.5:110-122 My '62.

Use of ionizing radiation for controlling the dormancy of potatoes in storage, Report No.3, L.V. Melitskii, Biokhim. pl. i ovoshch. no.7:5-50 '62.

DOUBLE BASS

Extending the diapason of the double bass used in modern symphonic and operatic orchestras, V.K. Bezdelev, Nauch.-metod.zap.Sar.gos.konser. no.4:99-105 '61.

DRAGONFLIES see subdivision under North American

DRAINAGE

(see also subdivision under Colchids; Great Chu Canal region; Latvia; Ukraine)

Chain machines for slit drainage of peat-bog soils, A.B. Krasnikov, Torf.prom. 39 no.8:10-12 '62.

Gastila, L.I., ed., [Mechanization of drainage work] Voprosy mekhanizatsii meliorativnykh rabot; sbornik statei, Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry, 1958, 130 p.

(DNAL)

Horizontal drains in stratified soils, V.N. Emikh, PMTF no.4:131-133 Ji-Ag '62.

Ionat, V.A., [Calculation for horizontal drainage in heterogeneous soils] Raschet gorizontalnogo drenazha v neodnorodnykh gruntakh, Pod red. S.F. Averb'yanova, Tallinn, Estonskii nauchno-issl. i in-t zemledelia i melioratsii, 1962, 346 p.

Mechanization of the construction of drainage canals, R.L. Turetskii, Torf.prom. 39 no.8:7-10 '62.

Plastic pipes used in drainage, V.N. Gorinskii, Vod. i san.tekh. no.12:26-28 D '62.

DRAMA—HISTORY AND CRITICISM

Akademia nauk SSSR, Institut istorii iskusstv, [Contemporary foreign drama] Sovremennaya zarubezhnaya drama, Moskva, Izd-vo Akad. nauk SSSR, 1962, 361 p.

Theater and drama in A. Blok's critical works written during the Revolution of 1905 [with summary in English], IU, K. Gerasimov, Vest. LGU 17 no.20:73-85 '62.

DRAMATISTS

[Russian dramatists of the 18th and 19th centuries] Russkie dramaturgi XVIII-XIX vv.; monograficheskie ocherki v trekh tomakh, Red. kollegiya: G.P. Bordin-kov i dr., Leningrad, Izd-vo "Iskusstvo,"

Vol.3, [Second half of the 18th century] Vtoraya polovina XIX veka, Pod red. B.I. Bursova, 1962, 461 p.

DRAWING—INSTRUCTION

Drawing without models, T. Zernova, Doshk.vosp. 35 no.10:38-43 O '62.

Instruction in drawing, A. Sergeeva, Doshk.vosp. 35 no.10:43-46 O '62.

DRAWING (METALWORK)

Increase in width during rolling with drawing dies, Y.I. Polukhin and others, Shor. inst. stal' i splav. no.40: 100-100 '62.

DRAWING (METALWORK)—EQUIPMENT AND SUPPLIES

Analysis and design of shapots for hard alloy drawing dies, I.M. Ludenskii and others, Stal' 22 no.12: 1095-1099 D '62.

DRAWING INSTRUMENTS—TECHNOLOGICAL INNOVATIONS

Facilitating the work of designers, F. Andreev and others, NTO 4 no.0:44-46 S '62.

DREDGING MACHINERY

The 150th anniversary of the Russian steam dredger, A.I. Davidenko, Ist.arkh. 8 no.5:216 S-O '62.

DRESSMAKING—PATTERN DESIGN

One base pattern for various styles, E. Matuzova, Most. prom. i khud. promysl. 3 no.11:16-17 N '62.

TSarev, N.I., [Pattern design of women outer garments] Konstruktsiya zhenskoi verkhnei odezhdy, Izd.3., dop. i perer., Moskva, Rostekhlizdat, 1962, 271 p.

DRILL (AGRICULTURAL IMPLEMENT)

Analyzing the operation of the sowing apparatus of grain planters [with summaries in English, German, and French], Vest.soi'khoz.nauki 7 no.5:97-103 My '62.

DRILLING AND BORING

Antropov, A.V., [Advice to boring machine operators] Sovety rustekhnika, [Moskva] Mosk. rubochi, 1962, 58 p. (Novatory semiotiki)

Reliable machining on boring machines without vibration, V.I. Ishutkin, Mashinostroenie no.5:23-27 S-O '62.

DRILLING AND BORING MACHINERY

Advanced techniques for manufacturing boring jumpers, I.I. Korol'kov, Energetik 10 no.12:20-21 D '62.

Device for the readjustment of the vertical multiple-spindle drilling machine, I.N. Petrov, Mashinostroenie no.5: 109-109 S-O '62.

Drilling machine unit, I.M. Shev'akov, Mashinostroenie no.5:21-24 S-O '62.

Improving the cutter in rotary drilling at limestone quarries, M.A. Lipson, Shor. trud, NIIZhelenobetona no.7:44-53 '62.

Introduction of pneumatic percussion drilling at rubble and crushed stone quarries, M.I. Onatskii, Shor. trud, NIIZhelenobetona no.7:35-43 '62.

The OS-390 vertical six-spindle diamond-boring machine, N.A. Vaisman, Bul.tekh.-ekon.inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no.12:44-45 '62.

Planetary multi-spindle drilling head, L.E. Aronov, Mashinostroenie no.12:29 D '62.

The 2H58 heavy-duty universal radial drilling machine, I.A. Kats, Mashinostroenie no.5:114-115 S-O '62.

Disinfecting the carriers of pathogenic staphylococci among the medical personnel in pediatric wards, N.I. Margulis, M.G. Rogol', Zdravookhraneniye 6 no.3: 47-50 My-Je '62.

Russia (1923- U.S.S.R.) Ministerstvo zdoravookhraneniya, [Instructional and methodological manual on disinfection] Sbornik instruktsivno-metodicheskikh materialov po dezinfektsionnomu delu, Moskva, Medgiz, 1962, 430 p.

DISLOCATIONS IN CRYSTALS

Dislocation structure in NaCl crystals resulting from deformation by concentrated loading, A.A. Predvoditelev, V.N. Rozhanskii, V.M. Stepanova, Kristallografiya 7 no.3:418-424 My-Je '62.

Dislocations in LiF crystal engendered by concentrated loading, A.A. Shpunt, Kristallografiya 7 no.3:474-476 My-Je '62.

Effect of an electric field on the behavior of charged dislocations, E.G. Shvidkovskii, N.A. Tsipunina, E.P. Belozerovala, Kristallografiya 7 no.3:471-472 My-Je '62.

Formation of defects due to the movement of nonepitaxial dislocations, A.N. Orlov, Fiz.tver. tela 5 no.1:308-314 Ja '63.

DISLOCATIONS IN CRYSTALS (Continued)

Genesis of dislocations in lithium fluoride and sodium chloride crystals caused by vibration. E. G. Shvidkovskii, N. A. Timpunina, E. P. Belozerovala. Kristallografiya 7 no. 3:473-474 My-Je '62.

Laws governing the movement of dislocations in elastic twinning. R. I. Garber, E. I. Stepina. Fiz. tver. tela 5 no. 1:211-219 Ja '63.

Movement of twinning dislocations in calcite. G. B. Rais. Izv. vys. ucheb. zav., fiz. no. 6:22-24 '62.

DISLOCATIONS IN METALS

Dislocation structure of certain deformed metals and alloys. L. N. Guseva, A. A. Babareko. Izv. AN SSSR. Otd. tekhn. nauk, Met. i topl. no. 6:98-102 N-D '62.

Domain and dislocation structures in transformer steel. I. N. Golikov, B. V. Molotilov. Metalloved. i term. obr. met. no. 12:21-23 D '62.

Investigating the role of grain boundaries on the development of the fatigue process. V. S. Ivanova. Izv. AN SSSR. Otd. tekhn. nauk, Met. i topl. no. 6:90-97 N-D '62.

Observing dislocations in cast and deformed polycrystalline chromium. D. A. Prokoshkin, M. P. Matveeva, I. U. Platov. Izv. AN SSSR. Otd. tekhn. nauk, Met. i topl. no. 6:107-111 N-D '62.

Susceptibility to defects developing in nickel during static tension. I. A. Odling, I. U. P. Liborov. Izv. AN SSSR. Otd. tekhn. nauk, Met. i topl. no. 6:125-130 N-D '62.

X-ray diffraction method for studying the mechanism of the effect of external media on metals. M. M. Shved, Vop. mekh. real. tver. tela no. 1:136-139 '62.

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DEPERSOIDS see Colloids

DISPOSSESSION see Eviction

DISTILLATION, FRACTIONAL

Separation of hydrogen, carbon, and oxygen isotopes during the rectification of isopropanol. I. A. D. Zel'ven'skii, A. A. Efremov. Izv. vys. ucheb. zav., khim. i khim. tekhn. 5 no. 5:727-730 '62.

DISTILLATION APPARATUS

(see also subdivision under Tambov)
Mercury vapor condensation in apparatuses with internal water cooling. G. A. Lukhin and others. TSvet. met. 35 no. 9:44-50 S '62.
The "SGG-2" gas analyzer for automatic regulation and control of micelle distillation. A. K. Billaev, Khar. prom. no. 4:23-25 O-D '62.

DISTILLERIES—EQUIPMENT AND SUPPLIES

Heat circuit for distilleries applying the steaming of molasses distillery wash concentrate. N. U. Tobilevich, I. I. Sagan, V. T. Garleza. Khar. prom. no. 4:76-73 O-D '62.

DISTILLERY BY-PRODUCTS see Distilling Industries—By-Products

DISTILLING INDUSTRIES—ACCOUNTING

For a better organization and accuracy of raw material accounting in butyl-acetone and alcohol production. V. I. Grigor'ev. Splrt. prom. 28 no. 8:27-29 '62.

DISTILLING INDUSTRIES—BY-PRODUCTS

Abstracts. G. L. Oshman. Splrt. prom. 20 no. 8:36-37 '62.

DISTILLING INDUSTRIES—COSTS

Steam expenditure in the production of alcohol from molasses and in the processing of baker's yeast. D. G. Iuditskii, V. V. Zvorykin, G. D. Anpilov. Splrt. prom. 28 no. 8:20-33 '62.

DISTILLING INDUSTRIES—PERIODICALS

Conference of the readers of "Spirtovala promyshlennost'" journal. Splrt. prom. 28 no. 8:39-40 '62.
Publication plan of the "Spirtovala promyshlennost'" journal for 1963. Splrt. prom. 28 no. 8:44-45 '62.

DISTRIBUTION (PROBABILITY THEORY)

Calculation of reliable intervals of a distribution curve. V. F. Krutkov. Trudy Len. gidromet. inst. no. 11:124-151 '61.

Determination of distribution parameters by the optical method. S. S. Khmelevskiy. Izv. vys. ucheb. zav., fiz. no. 6:173-174 '62.

Probable calculation of a distribution curve for the period of exploitation of hydraulic structures. V. F. Krutkov. Trudy Len. gidromet. inst. no. 11:180-188 '61.

DISTRIBUTIVE EDUCATION

In the new school year. V. Gukal'shan. Sov. potreb. koop. 6 no. 12:44-47 D '62.

DISULFIDE

TMTD against common corn smut. A. P. Afonina, M. S. Verba. Zashch. rast. ot vred. i bol. 8 no. 10:33 O '60.

DITHIZONE

Content of protein and protein fractions in the blood in dithizone diabetes. R. S. Goldberg. Zdrav. Kazakh. 22 no. 7:51-56 '62.

DITILIN

Ditilin as a means for casting one-hoofed animals [in Armenian with summary in Russian]. B. L. Mertschian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:163-169 '62.

DIVING, SUBMARINE

"As an aid to the submarine diver." Voen. znan. 39 no. 1:30 Ja '63.

DIVING, SUBMARINE—EQUIPMENT AND SUPPLIES

New light-weight diving apparatus. A. Priznashnikov. Voen. znan. 39 no. 1:34 Ja '63.

DIVISION OF LABOR

Main index of the all-Union specialization of economic regions. L. Telepko. Plan. khoz. 40 no. 1:75-81 Ja '63.

Theoretical basis of the distribution and specialization of socialist agriculture. A. K. Il'ichev. Dokl. TSKHA no. 75:55-66 '62.

DIVORCE

Some remarks apropos of a suggestion concerning the proposed civil procedure code of the R. S. F. S. R. A. Abramov. Sov. iust. no. 24:20-21 D '62.

DNEPRODZERZHINSK—METALLURGICAL RESEARCH

Research carried out at the Dzerzhinskii Metallurgical Plant. V. Nikitskaya. Stal' 22 no. 12:1073, 1086-1087, 1105, 1122 D '62.

DNEPROPETROVSK—BUILDING MATERIALS INDUSTRY—AUDITING AND INSPECTION

Promises and reality. I. Antonenko. Part. zhizni' no. 4:32-33 F '63.

DNEPROPETROVSK—CITY PLANNING

The Dnepropetrovsk branch of the Ukrainian State Trust for the Design of Residential and Public Buildings and their Equipment and for the Improvement of Populated Places. V. Lyubits. Stroi. i arkh. 10 no. 12:30-31 D '62.

DNEPROPETROVSK—HARBORS

Potentials in work. I. Bredan. NTO 4 no. 11:6-9 N '62.

DNEPROPETROVSK—LABOR COURTS

Goncharov, G. I. [Before the court of their friends; from the practice of a fellow workers' court] Pered sudom tovarishchey iz opyta raboty tovarishcheskogo suda. Moskva, Gosizdat, 1962. 44 p.

DNEPROPETROVSK—METALLURGICAL PLANTS—EQUIPMENT AND SUPPLIES

Main objective is practical assistance to production. N. Kandler. NTO 4 no. 12:30 D '62.

DNEPROPETROVSK—PRECAST CONCRETE

Mass production of reinforced concrete bathrooms. P. Birlukov, A. Dotilov, V. Epshstein. Zhil. stroi. no. 12:21-22 '62.

DNEPROPETROVSK PROVINCE—BONUS SYSTEM

On a single period for awarding bonuses to workshop and plant administration workers. M. Vainzof. Sots. trud 7 no. 4:68-70 Ap '62.

DNEPROPETROVSK PROVINCE—INDUSTRIES

Dnepropetrovsk Economic Region at the Exhibition of Progressive Practices in the National Economy of the Ukrainian S. S. R. V. N. Zolotov, B. E. Berdichevskii, V. I. Sheiko. Met. i gornorud. prom. no. 5:85 S-O '62.

DNEPROPETROVSK PROVINCE—IRON AND STEEL PLANTS

Seminar on "Achievements and Prospects for the Expansion of Steel Smelting in the Dnepropetrovsk Economic and Administrative Region." Met. i gornorud. prom. no. 5:86 S-O '62.

DNEPROPETROVSK PROVINCE—POPLAR

Growing black poplar in the steppe of the Ukrainian S. S. R. M. A. Koldno. Visnyk Bot. sadu AN URSS no. 4:72-75 '62.

DNEPROPETROVSK PROVINCE—STATE FARMS

Ways for improving the use of motor transportation on state farms. V. I. Kotellanets. Nauk. protsi asp. UASHN no. 5:31-36 '60.

DNEPROPETROVSK PROVINCE—STRAWBERRIES

Using film covers for accelerating the ripening of strawberries in Dnepropetrovsk and Moscow Provinces. A. I. Gorovaya. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:119-123 '62.

DNEPROPETROVSK PROVINCE—TECHNICAL EDUCATION

Province committee regional economic council, and technical schools. V. Gaudchev. Komsom. zhizni' no. 23:30-32 D '62.

DNEPER-DONETS LOWLAND—EROSION

Ancient buried relief forms at the northeastern slope of the Dnieper-Donets Lowland. V. I. Gelitskii. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:78-80 N-D '62.

DNEPER-DONETS LOWLAND—GEOLOGY, STRATIGRAPHIC

Correlation of Devonian sediments in the southwestern part of the Dnieper-Donets Lowland. V. A. Khomenko. Trudy Inst. geol. nauk. AN URSS. Ser. zah. geol. no. 1:52-60 '62.

DNEPER RIVER—PERCH

Age composition and growth of pike and fishes of the family Percidae from the Dnieper River (within the White Russian S. S. R.). A. A. Kustaluchemka. Vest. AN BSSR. Ser. biol. nav. no. 3:119-123 '62.

DNEPER RIVER—PHYTOPLANKTON

Seasonal dynamics of the phytoplankton of the Dnieper River above Kiev and in the mouth of the Pripet River [with summary in English]. D. O. Radzymovskiy, V. H. Gryn'. Ukr. bot. zhur. 19 no. 5:84-93 '62.

DNEPER RIVER—PIKE

Age composition and growth of pike and fishes of the family Percidae from the Dnieper River (within the White Russian S. S. R.). A. A. Kustaluchemka. Vest. AN BSSR. Ser. biol. nav. no. 3:119-123 '62.

DNEPER VALLEY—ARCHAEOLOGY—MAPS

[Archaeology of the U. S. S. R.; collection of archaeological sources] Arkheologiya SSSR; svod arkheologicheskikh istochnikov. Pod obshchey red. B. A. Rybakova. Moskva, Izd-vo Akad. nauk SSSR.
No. 11-12. [Antiquities of the Iron Age in the inter-fluvial of the Dnipro and Dnieper Rivers; 1. Archaeological map; 2. Funeral rites] Drevnosti Zheleznoogo veka v mezhdurech'e Dniy i Dniy; 1. Arkheologicheskaya karta; 2. Pogrebal'nye obrady. 1962. 72 p. map, tables

DNEPER VALLEY—ARCHAEOLOGY, MEDIEVAL

Medieval finds in Scythian sites of the Lower Dnieper Valley. N. N. Pogrebova. Krat. soob. Inst. arkheol. no. 80:15-21 '62.

DNEPER VALLEY—COAL PREPARATION PLANTS

Efficient distribution of the intermediate product in coal preparation plants of the Dnieper Valley. S. Landemann, P. Markovskiy, S. Sushon. Ekono. Rad. Ukr. no. 6:68-92 N-D '62.

DNEPER VALLEY—ELECTRIC EQUIPMENT INDUSTRY—HYGIENIC ASPECTS

Enthusiasts. V. Polapov. Okhr. truda i sots. strakh. 6 no. 1:9 Ja '63.

DNEPER VALLEY—EROSION

Effect of land improving forest plantations on the physical characteristics of eroded soils in the right-bank area of the middle Dnieper Valley. V. B. Orlovskiy. Nauk. protsi asp. UASHN no. 5:121-127 '60.

DNEPER VALLEY—FOREST INFLUENCES

Effect of land improving forest plantations in the physical characteristics of eroded soils in the right-bank area of the middle Dnieper Valley. V. B. Orlovskiy. Nauk. protsi asp. UASHN no. 5:121-127 '60.

DNEPER VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Upper Cretaceous sediments in the Konkoko-Yolynskaya trough. L. F. Plotnikova. Trudy Inst. geol. nauk. AN URSS. Ser. zah. geol. no. 1:3-11 '62.

DNEPER VALLEY—MINERALS—ANALYSIS

Composition of minerals of the finely dispersed fraction (<0.001 mm) in some key sections of Quaternary sediments in the middle Dnieper Valley. V. I. Mel'nyk. Trudy Inst. geol. nauk. AN URSS. Ser. zah. geol. no. 1:88-113 '62.

DNEPER VALLEY—PETROLOGY

Lithology of Devonian sediments in the Kolaydintsy structure. V. A. Khomenko. Trudy Inst. geol. nauk. AN URSS. Ser. zah. geol. no. 1:61-75 '62.
Some characteristics of the weathering crust of ultrabasic rocks of the middle Dnieper Valley. A. U. Litvinenko, A. D. Dodatko, D. P. Khorocheva. Dokl. AN SSSR 147 no. 6:1444-1447 D '62.

DNEPER VALLEY—PINE

Improving the stability of pine plantations on sandy soils. G. I. Vasil'ev. Les. khoz. 15 no. 11:76-77 N '62.
Scotch pine on sands of the lower Dnieper Valley during the drought season. V. N. Vinogradov. Bot. zhur. 47 no. 11:1675-1680 N '62.

DNEPER VALLEY—RIVERS

Reorganization of the river network in the upper Dnieper Basin. V. A. Isachenkov. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:73-75 N-D '62.

DNEPER VALLEY—WATER RESOURCES DEVELOPMENT

Utilizing the water resources of the Dnieper River. D. A. Kuznetsov. Gidr. stroi. 33 no. 11:1-4 N '62.

DNIESTER VALLEY—ECONOMIC POLICY

Economy of the right bank of the lower Dniester Valley between 1918 and 1940. M.P. Todika. Uch.zap.Tr. gos.ped.inst. no.9:55-64 '60.

DNIESTER VALLEY—GEOLOGY, STRATIGRAPHIC

Quaternary sediments of the lower Dniester Valley. L. I. Cherednychenko. Trudy Inst. geol. nauk. AN URSR. Ser. zah. geol. no. 1:27-51 '62.

DNIESTER VALLEY—GLASSWARE, ROMAN

Glass vessels from the Lower Dniester Valley. N. P. Sorokina. Krat. soob. Inst. arkheol. no. 86:103-107 '62.

DOBRIJA—WATER-SUPPLY ENGINEERING

Water supply in the Dobruja. D. Dichkov. Vod. i san. tekhn. no. 12:22-25 D '62.

DOBRUSH DISTRICT—PLANTS, PROTECTION OF

They became convinced of the advantages of plant protection. I. G. Azarov. Zashch. rast. ot vred. i bol. 5 no. 11:11-12 N '60.

DOCUMENTARY MOTION PICTURES see Motion pictures, Documentary

DODECANE

Synthesis and properties of crystalline dodecane-2, 2, 7, 7-tetramethyloctane. I. A. Maretnia, A. A. Petrov. Zhur.ob. khim. 32 no. 12:3895 D '62.

DODECANETHIOL

Synthesis and properties of tertiary dodecanethiol obtained from triisobutylane. M. F. Shostakovskii, E. N. Prilezhneva, L. N. Mer. Neftekhimika 2 no. 5:735-738 S-O '62.

DOGS—DISEASES AND PESTS see subdivision under Estonia

DOKUCHAEV, VASILII VASIL'EVICH, 1846-1903

A. D. Gzhev's evaluation of Dokuchaev's theory. E. L. Fel'dsuevich. Izv. Vses. geog. ob.-va 84 no. 6:515-510 N-D '62.

DOLICHOPODIDAE see subdivision under Leningrad Province

DOLOMITE see subdivision under Georgia

DOMAIN STRUCTURE

Domain and dislocation structures in transformer steel. I. N. Golikov, B. V. Molodtsov. Metalloved. i term. obr. met. no. 12:21-23 D '62.

DOMESTIC EDUCATION—CONGRESSES

First All-Russian Congress on Domestic Education. K. Galisova. Sem'ia i shkola 17 no. 12:17-19 D '62.

DOMESTIC ENGINEERING see subdivision under France

DOMINION OF THE SEA see Maritime law

DON VALLEY—BRONZE AGE

Monuments of the Bronze Age in the Upper Don region. A. F. Shokov. Izv. Vor. gos. ped. inst. 31:136-170 '60. The Volotovo burial mounds and their place in the chronology of the Bronze Age in the Don region. V. P. Levenok. Izv. Vor. gos. ped. inst. 31:171-181 '60.

DON VALLEY—COAL GEOLOGY

Carboniferous sediments in the Don-Northern Donets interfluvium. N. S. Morozov, G. M. Iar'kov. Uch. zap. SGU 65:29-38 '59.

DON VALLEY—EROSION

On the current appearance of ravines in the lower Don Basin. P. F. Molodkin. Izv. Vses. geog. ob.-va 84 no. 6:508-507 N-D '62.

DON VALLEY—GEOLOGY, STRATIGRAPHIC

Division of Turonian and Coniacian sediments in the middle Don Basin. V. I. Baryshnikova. Uch. zap. SGU 65:65-77 '59.

DON-VOLGA CANAL see Volga-Don Canal

DONETS BASIN—COAL

Coking of Donets Basin gas coals of a large screen composition. K. A. Belov and others. Koks i khim. no. 12: 10-13 '62.

DONETS BASIN—COAL MINES AND MINING

Belavisev, T. N. [Profitable mine work] Rentabel'naya rabota shakht. Moskva, Gornotekhnizdat, 1962. 76 p. (Konkretnaya ekonomika dlia gornikov)

Effect of the composition of the interlayer rock on the degree of deformation of undermined steep seams in the central Donets Basin. K. K. Gendel'. Nauch. soob. IGD 14:29-35 '62.

Production potentials of technological units for increasing the load of mines in Lugansk Economic Council. E. M. Gl'bn. Nauch. soob. IGD 14:24-28 '62.

DONETS BASIN—COAL MINES AND MINING—FINANCE

Several problems in the economic efficiency of capital investments for the reconstruction of coal mines in the Donets Basin. V. I. Atekov. Ekon. Rad. Ukr. no. 6:83-87 N-D '62.

DONETS BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY

Analysis of intensification of work in longwalls of Lugansk Economic Council, carried out in one half to two shifts a day. L. N. Onufriev. Nauch. soob. IGD 14:16-23 '62.

DONETS BASIN—COAL MINING MACHINERY

Study of coal mining with a USB-1 high-speed plow in Voikov Mine No. 1-2 in the Donets Basin. I. S. Zaminatin, A. D. Karnyshev, O. M. Kolystkin. Mekh. i avtom. v gornoi prom. no. 2:68-95 '62.

DONETS BASIN—FLOTATION

Flotation of slurry coagulated with polyacrylamides. A. M. Kotkin, E. E. Rozhnova. Koks i khim. no. 12:3-7 '62.

DONETS BASIN—GUIDEBOOKS

At'ier, S. Z. [The Donets Basin; tourist's guide] Don-bas; sputnik turista. [Donetsk] Donetskoe knizhnoe izd-vo, 1962. 333 p.

DONETS BASIN—INDUSTRIES

Mavrod, V. I. [Communists of the Donets Basin in the struggle for the reconstruction of heavy industry during the Great Patriotic War, 1943-1945] Kommunist Donbasa v bor'be za vosstanovlenie tiazholoi promyshlennosti v gody Velikoi Otechestvennoi volny, 1943-1945 gg. [Moskva] Mosk. univ., 1962. 62 p. (CST-II)

DONETS BASIN—MINE TIMBERING

Study of the operation of hydraulic props and the efficiency of using them in Donets Basin mines. N. P. Bushuev. Nauch. soob. IGD 14:39-48 '62.

DONETS BASIN—RECONSTRUCTION

Mavrod, V. I. [Communists of the Donets Basin in the struggle for the reconstruction of heavy industry during the Great Patriotic War, 1943-1945] Kommunist Donbasa v bor'be za vosstanovlenie tiazholoi promyshlennosti v gody Velikoi Otechestvennoi volny, 1943-1945 gg. [Moskva] Mosk. univ., 1962. 62 p. (CST-II)

DONETS BASIN—SARMATIAN ANTIQUITIES

Early Sarmatian burial ground in the Northern Donets Basin. I. V. Iatsenko. Krat. soob. Inst. arkheol. no. 88:42-50 '62.

DONETS BASIN—VEGETABLE GARDENING

The Donets Basin should have extensive vegetable gardening. I. Konopel'ko. Sov. torg. 38 no. 11:56-57 N '62.

DONETS ECONOMIC REGION—IRON INDUSTRY

Donets resources. E. Salamhash. NTO 4 no. 12:10-11 D '62.

DONETSK—APARTMENT HOUSES

Series 1-460 large-panel apartment houses. D. Kuznetsov. Zhil. stroit. no. 12:17-19 '62.

DONETSK—PHARMACY

Information and publicity organization in Donetsk pharmacy No. 248. G. P. Guba. Apt. delo 12 no. 3:57-58 My-Je '62.

DONETSK—YOUTH—SOCIETIES, ETC.

At a round table. G. Oprishchenko. Komsom. zhizn' no. 22:25 N '62.

DRILLING AND BORING MACHINERY—ATTACHMENTS

Attachment for boring holes in parts made of metal sheets. I. I. Sykalo. Mashinostroitel' no. 12:20 D '62. Universal dividing attachment. Mashinostroitel' no. 12: 40 D '62.

DRUSSA DISTRICT—SILESMANITE

Fibrolite in rural construction. K. Novichuk. Sel', stroit. 15 no. 4:18-20 Ap '60.

DROGOBYCH—PARAFFINS

Rapid oxidation of Drogobych paraffin. V. T. Skilar, A. N. Bodan, A. A. Maskev. Nauch. zap. Ukrainiproekta no. 8:3-9 '62.

DROPPING MERCURY ELECTRODES see Electrodes, Dropping mercury

DRUG INDUSTRY see subdivision under Lithuania

DRUGS

New medicinal preparations. Apt. delo 12 no. 3:81-92 My-Je '62.

DRY FARMING see subdivision under Karabakh Range region

DRYING

Mass transfer in convective drying of cloth using a jet blast [with summary in English]. O. A. Bunin. Inzh. - fiz. zhur. 8 no. 1:34-38 Ja '63.

Use of drying energy diagrams in analyzing the bonds of moisture with cement concrete [with summary in English]. V. M. Kazanskii. Inzh. - fiz. zhur. 8 no. 1:97-100 Ja '63.

DRYING—CONGRESSES

All-Union Conference on the Automation of Drying Processes in Industry and Agriculture. V. L. Shevel'kov. Inzh. - fiz. zhur. 8 no. 1:122-128 Ja '63.

DRYING APPARATUS

Continuous desiccator for tile slip. A. Z. Gel'man. Stek. i ker. 10 no. 12:30-32 D '62. Drying of uncut veneer sheets (from "Trävarunfudus-trien," No. 8, 1962). Der. prom. 11 no. 12:31 D '62. Semiautomatic line for painting articles in an electrostatic field and heat-radiation drying. A. K. Plakida and others. Mashinostroenie no. 5:72-73 S-O '62. Thermal radiation and convection chamber with gas burning in the radiation panels for drying paint coatings. B. I. Matzel', B. TS. Okun', Lakokras. mat. i ikh prim. no. 5:70-74 '62. Use of convection gas drying apparatus in the repair of apartment houses. T. N. Smyslinova, K. N. Pravovarov. Shor. nauch. rab. AKKH no. 9:82-83 '61.

DUBINIDINE

Alkaloids Haplophyllum. Part 3: Structure of dubinidine and dubamine. G. P. Sidakin and others. Zhur. ob. khim. 32 no. 12:4091-4096 D '62.

DUBROVITSKA DISTRICT—CRIME PREVENTION

We try to eliminate the violation of Soviet laws in our village. A. Kopaigorodskaya. Sots. zakon. 40 no. 1: 54 Ja '63.

DUCKS

(see also subdivision under Lalshevo District) Formation of breed-related differences in the embryogenesis of ducks. N. P. Borydylova'ka. Pratsi Inst. zool. AN URSR 18:97-103 '62.

DUDINKA REGION (KRASNOYARSK TERRITORY)—TREES

Mounds surrounding tree trunks and ruptures of trunks. A. P. Tyrtikov. Trudy Inst. merz. AN SSSR 10:102-107 '62.

DUMP TRUCKS

Young people dare. N. Ushatkov, V. Apatov. NTO 4 no. 11:18-19 N '62.

DUNAJEC RIVER—DESCRIPTION AND TRAVEL

Down the river through the mountains. Tadeusz Robak. Vokrug sveta no. 12:24-25 D '62.

DURDUF, GEORGH NIKOLAEVICH, 1860-1903

Prominent advocate of nervousism in Soviet medicine. G. N. Durduf, I. U. A. Shilina. Zdravookhranenie 5 no. 3:58-62 '62.

DUROV, VLADIMIR LEONDOVICH, 1863-1934

Goat as a conductor. Nadezhda Kovler. IU, nat. no. 12: 30-31 D '62. With grandfather Durov. Nadezhda Kovler. Sem'ia i shkola 17 no. 12:25-28 D '62.

DUSHANBE—PLANT INTRODUCTION

Results of the introduction of trees and shrubs in the Dushanbe Botanical Garden during the last 25 years. A. S. Koroleva. Trudy Bot. inst. AN Tadzh. SSR 16:5-140 '62.

DUSHANBE—RAILROADS—STATIONS

Decorative stone plastering. K. S. Veselov. Transp. stroit. 12 no. 12:50-51 D '62.

DUSHANBE—WOODY PLANTS

Results of the introduction of trees and shrubs in the Dushanbe Botanical Garden during the last 25 years. A. S. Koroleva. Trudy Bot. inst. AN Tadzh. SSR 16:5-140 '62.

DUST—REMOVAL

Vacuum dust removal from open-hearth furnace exhausts. A. Lekhtik. Metallurg 8 no. 1:21 Ja '63.

DUST COLLECTORS

Dry dust collecting on drilling rigs. B. N. Kutuzov, I. G. Mikheev. Gor. zhur. no. 5:68-70 My '62. New drills equipped with dust collectors. V. G. Onilovskoi, V. M. Akimov. Gor. zhur. no. 5:54-56 My '62.

DVINA BAY—HERRING

Characteristics of the dynamics of herring population in the Dvina Bay of the White Sea [with summary in English]. I. U. E. Lapin. Zool. zhur. 41 no. 11:1681-1692 N '62.

DVINA RIVER, NORTHERN see Northern Dvina River

DWARF FRUIT TREES

(see also subdivision under Ukraine) Root system of dwarf apple plants in nurseries. A. F. Popov. Vest. sel'khoz. nauk 7 no. 11:124-126 N '62.

DWELLINGS see subdivision under Tasty-Butak

DYBENKO, PAVEL EFIMOVICH, 1889-1938

Karpov, M. O. [Through tempest and storm] Kriz' duri i shormy. Kyiv, Molod', 1961. 208 p. (MH)

DYES AND DYEING

- Colors and absorption spectra of dyes adsorbed on light-scattering materials. A. P. Ivanov. Opt. i spekt. 13 no. 8:831-834 '62.
- Effect of structural factors on the thermodynamic characteristics of basic dye salts. Part 2: Extraction with isosmoly alcohol. K. S. Krasnov, F. D. Kashirina. Radiokhimiya 4 no. 8:638-648 '62.
- New lightfast direct dyes. A. G. Emel'innov, R. M. Sheftel'. Tekst. prom. 22 no. 12:60-63 D '62.
- Spectral analysis of the interaction between dyes and hydrazine. A. T. Vartanian. Izv. AN SSSR, Ser. fiz. 27 no. 1:37-41 Ja '63.

DYES AND DYEING—CHEMISTRY

- Radiochemical oxidation of vatsoil dyes. L. I. Bolen'kil, T. V. Bromberg, M. E. Kazanskaya. Nauch.-issl. trudy TSNIKHBI za 1958 g.: 123-144.
- Use of "Betanol P" in dyeing with vat dyes. V. A. Blinov, E. N. Anishechuk, I. U. F. Komarova. Tekst. prom. 22 no. 12:57-59 D '62.

DYES AND DYEING—LEATHER

- Use of molybdate chrome orange for leather finishing. A. V. Afanas'ev, F. I. Bloshteln. Lakokras. mat. i kh. prim. no. 8:73-74 '62.

DYES AND DYEING—NYLON

- Insoluble azo dyes from diazotized aminoanthraquinones in capron dyeing. R. R. Solntseva, V. V. Kozlov. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 8:800-803 '62.

DYES AND DYEING—TEXTILE FIBERS

- Spectrophotometric method of quantitative analysis of the interaction between dyes and textile fibers. Nauch.-issl. trudy TSNIKHBI za 1958 g.: 115-123.

DYNAMICS

- Principle of the generating of a tractive force for motion. M. A. Lavrent'ev, M. M. Lavrent'ev. PMTF no. 4:3-9 Ji-Ag '62.

DYNAMICS OF A PARTICLE

- Rate of coarsening of wood particles. T. N. Miev, S. N. Svistakov. Der. prom. 11 no. 12:13-14 D '62.
- Spin diffusion, magnetic relaxation, and dynamic polarization of nuclei [with summary in English]. G. R. Khutsishvili. Zhur. eksp. i teor. fiz. 43 no. 6: 2179-2194 D '62.

DYNAMOMETER

- Kats, S. M. [Balance-type dynamometers for measuring torque] *Balansirnye dinamometry dlia izmereniia vrashchajushchego momenta*. Moskva, Gosenergizdat, 1962. 142 p. (Biblioteka po avtomatike, no. 05)

DYSENTERY

- Activity of preparations of the roots of the Caucasian Gomphocarpus in experimental dysentery. A. F. Lisina. Zdrav. Kazakh. 22 no. 7:60-62 '62.

- Bunin, K. V. [Immunity and rational immuno-antibiotic therapy of typhoid fever and dysentery] *Immunitet i ratsional'naja immuno-antibiotikoterapija brjushnogo tif i dizenterii*. Moskva, I-1 Mosk. med. in-t im. I. M. Sechenova, 1962. 135 p. (ONLM)

- Threats of a summer. N. V. Vorotyntseva. Sov. Kraa. krest 12 no. 4:23 Ji-Ag '62.

DZEGAMCHAY VALLEY—GEOLOGY

- Quaternary sediments in the Shamkhorchay-Dzegamchay interfluvio. R. G. Sultanov, M. P. Gadzhiev. Uch. zap. AGU, Geol.-geog. ser. no. 1:15-23 '62.

DZERZHINSK (GORKY PROVINCE)—CHILDREN'S CLUBS

- "Friendship" club. M. Taran. Sov. Kraa. krest 12 no. 4: 9 Ji-Ag '62.

DZHEZKAZGAN DISTRICT—GEOLOGY

- Ob'edineniia nauchnaja sessia po problemam razvitiia proizvoditel'nykh sil Dzhazkazganskogo promyshlennogo raiona, Dzhazkazgan, 1961. [Greater Dzhazkazgan] Bol'shoi Dzhazkazgan; trudy. Alma-Ata, Akad. nauk Kazakhskoi SSR.

- Vol. 1. [Geology and metallogeny]. *Geologiya i metallogenija*, 1961.

(MH)

DZHEZKAZGAN DISTRICT—ORE DEPOSITS

- Ob'edineniia nauchnaja sessia po problemam razvitiia proizvoditel'nykh sil Dzhazkazganskogo promyshlennogo raiona, Dzhazkazgan, 1961. [Greater Dzhazkazgan] Bol'shoi Dzhazkazgan; trudy. Alma-Ata, Akad. nauk Kazakhskoi SSR.

- Vol. 1. [Geology and metallogeny]. *Geologiya i metallogenija*, 1961.

(MH)

DZHUJ'FA REGION—PLEROPHYLLIDAE

- Some members of the family Plerophyllidae from the Permian-Triassic boundary beds of Dzhuj'fa. T. G. H'ina. Paleont. zhur. no. 4:70-82 '62.

DZHURA, SULTAN, 1911-1944

- New data on Sultan Dzhuira [in Uzbek with summary in Russian]. S. A. Iev. Obshchestv. nauki v Uz. 6 no. 11: 52-58 '62.

DZIRULA CRYSTALLINE SHIELD—ROCKS—RADIO-ACTIVE PROPERTIES

- Radiometric characteristics of rocks in the Dzirula Crystalline Shield. Sh. M. Chkhikell. Trudy Inst. geofiz. AN Gruz. SSR 20:171-180 '62.

EAR

- Way of functioning of the sound-conducting mechanism in labyrinthodonts. L. P. Tatarinov. Paleont. zhur. no. 4: 21-30 '62.

EAR—DISEASES

- Undrits, V. F., Ia. S. Tomkin, and L. V. Nelman. [Manual of clinical audiology] *Rukovodstvo po klinicheskoi audiologii*. Moskva, Medgiz, 1962. 323 p. (DNLM)

EARTH

- Shishkin, I. B. [The search of the Biblical Hell] *V poiskakh biblejskogo ada*. Moskva, Gospolitizdat, 1962. 61 p. (Besedy s veruiushchimi)

EARTH—INTERNAL STRUCTURE

- Another "missing link"? Vsem. stud. nov. 16 no. 5/6: 24 My-Je '62.
- Core of the planet. I. Shishkin. Sem'ia i shkola 17 no. 11:34-37 N '62.
- Prospecting in the depths of the earth. V. Bondarchuk. Nauka i zhytiia 12 no. 7:48-48 Ji '62.

EARTH—SURFACE

- From international scientific life. Meteor. i gidrol. no. 1:62 Ja '63.
- What does earth look like from space? A. G. Nikolaev, P. R. Popovich. Priroda 52 no. 1:1-IV '63.

EARTH SATELLITES see Artificial satellites

EARTH TEMPERATURE see subdivision under Azerbaijan

EARTHMOVING MACHINERY

- Continuous earthmoving machine. N. I. Vasheta. Mashinostroyeniye no. 5:68-67 S-O '62.
- New tractor loosener for frozen ground. D. A. Lazovoi, Ia. U. Vigdorchik. Stroi. i dor. mash. 7 no. 11:17-18 N '62.

EARTHQUAKES

- (see also subdivision under Caucasus; Georgia; Japan; United States)

- Akademiia nauk SSSR. Sovet po seismologii. [Atlas of earthquakes in the U. S. S. R.; results of observations by the seismic station system in the U. S. S. R., 1911-1957] *Atlas zemlotrasnenii v SSSR; rezul'taty nabludeniia seismicheskikh stantsii SSSR, 1911-1957 gg.* Moskva, Izd-vo Akad. nauk SSSR, 1962. 336 p.

EARTHQUAKES AND BUILDING

- (see also subdivision under Tashkent; Uzbekistan)
- Design of large-panel residential buildings for seismic effects. V. T. Rasakozovskii. Sbor. nauch. trud. NI po stroi. ASIA no. 1:28-72 '61.

- Developing norms for earthquake-proof construction. V. O. Tshokher. Trudy FTI Turk. fil. AN SSSR no. 1: 36-42 '60.

- Earthquakeproof buildings with a nonrigid first story. A. Churain, Sh. Dzhabua. Zhil. stroi. no. 1:14-15 '62.

- Karlsaypaz, G. N., S. V. Medvedev, and Sh. G. Napetva-rdze. [Earthquakeproof construction abroad] *Seismostoioka stroitel'stvo za rubezhom; po materialam Vtoroi vsemirnoi konferentsii po seismoostoiokom stroitel'stvu v 1960 g. v g. Tokio. Pod obshchimi red. K. S. Zavrlova i S. U. Duzinkovicha*. Moskva, Gosstroizdat, 1962. 223 p.

- Notes on problems of earthquake-proof construction. V. O. Tshokher. Trudy FTI Turk. fil. AN SSSR no. 1: 43-45 '60.

- Notes on technical specifications TU-58-46 for the design of buildings and structures for seismic districts. V. O. Tshokher. Trudy FTI Turk. fil. AN SSSR no. 2: 46-52 '60.

- Potentials for lowering the weight of T-section reinforced concrete beams. A. N. Dobrodeev. Sbor. nauch. trud. NI po stroi. ASIA no. 1:73-76 '61.

- Prospects for the development of research in determining the earthquake-resistance of structures. K. E. Egerev. Trudy FTI Turk. fil. AN SSSR no. 2:37-46 '60.

- Sealed joints of elements of earthquake-proof large-panel buildings. A. Churain and others. Zhil. stroi. no. 12:20-21 '62.

- Seismology in problems of city planning. V. O. Tshokher. Trudy FTI Turk. fil. AN SSSR no. 1:20-35 '60.

- Setting standards for masonry under seismic conditions. A. L. Churain. Trudy FTI Turk. fil. AN SSSR no. 1: 15-28 '60.

EARTHQUAKES AND HYDRAULIC STRUCTURES—CONGRESSES

- Coordinating conference on problems of the earthquake resistance of dams made of local materials. N. P. Lushnov. Gidr. stroi. 33 no. 11:60-61 N '62.

EARTHWORK

- Some problems of the working and hydraulic conveying of heavy cohesive soils. M. A. Belavskii, L. A. Kats-nell'son. Blul. tekhn. inform. inst. "Proektgidromekh." no. 1:39-46 '62.

EARTHWORK—TABLES, CALCULATIONS, ETC.

- Vorob'ov, I. A. [Tables for computing volumes of fill and excavation in intermediate and complete squares with 20x20 m. and 40x40 m. sides] *Tablitsy podachota ob'emov nasypoi i vyemok v perekhodnykh i polnykh kvadratakh so storonami 20x20 m i 40x40 m.* Moskva, Gosstroizdat, 1962. 167 p.

EARTHWORMS see subdivision under Lithuania

EAST (NEAR EAST) see Near East

EAST (FAR EAST) see Far East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST EUROPEAN PLAIN—GEOMORPHOLOGY

- Geomorphological zoning of the glacial area of the East European Plain. A. A. Aseev. Trudy Kom. chetv. per. 19:140-147 '62.

EAST EUROPEAN PLAIN—GLACIAL EPOCH

- Ancient glaciations of the Caucasus and their correlation with the glaciation of heat. N. V. Dumitreshko and others. Trudy Kom. chetv. per. 19: 170-180 '62.

EAST GERMANY see Germany, East

EASTERN EUROPE see Europe, Eastern

EASTERN SIBERIA see Siberia, Eastern

EBULLITION

- Critical heat flows in boiling binary liquid mixtures. G. I. Bohrovich and others. PMTF no. 4:108-111 Ji-Ag '62.
- Determining the coefficient of heat transfer to a boiling liquid in the case of continuous variation of the heat flow. V. V. Gusev, A. I. Prizantsev, A. N. Solov'ev. PMTF no. 4:111-114 Ji-Ag '62.

ECHMIADZIN DISTRICT—PLANTS, PROTECTION OF

- At the Echmiadzin station. A. Molik-Sarkisyan. Zashch. rast. ot vred. i bol. 5 no. 11:47-48 N '60.

ECLIPSES, LUNAR

- Photometric observations of the total lunar eclipse on May 13-14, 1957. A. Cherepashchuk. Uch. zap. Kazd. gos. ped. inst. no. 37:10-16 '62.

ECLIPSES, LUNAR—1961

- Partial lunar eclipse of August 26, 1961. V. M. Chernov. Astron. tsir. no. 225:8-9 S '61.

ECLIPSES, SOLAR—1961

- Observations of the illumination during the total solar eclipse of February 15, 1961. N. E. Demkova, V. E. Solov'ev, S. V. Lashchevich. Astron. tsir. no. 227:5-7 F '62.

ECONOMIC ASSISTANCE see subdivision under Asia, Southeastern; India

ECONOMIC ASSISTANCE, AMERICAN

- (see also subdivision under Arab Countries)
- Self-exposure of the colonists. Idris Cox. Mezhdunar. zhizn' 10 no. 2:62-67 F '63.

ECONOMIC ASSISTANCE, COMMUNIST

- Akademiia nauk SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Economic cooperation of the Soviet Union with economically underdeveloped countries] *Ekonomicheskoe sotrudnichestvo Sovetskogo Soyuza s ekonomicheski slaborazvityimi stranami*. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 181 p.

ECONOMIC ASSISTANCE, JAPANESE

- Expansion under the aid banner; Japanese "aid" to economically underdeveloped countries. V. V. Aleksandrov. Uch. zap. IMO no. 9:123-130 '62.

ECONOMIC COUNCILS, ADMINISTRATIVE see Administrative economic councils

ECONOMIC HISTORY

- "The economic history of foreign countries: the time of premonopolistic capitalism" by V. E. Motylev. Reviewed by T. K. Pashitnova. Vop. ist. 38 no. 1:146-148 Ja '63.

- Economy of the capitalist countries in 1962. Nov. vrem. 20 no. 3:10 Ja '63.

- "Role of natural resources in the development of productive capacities" by L. I. Gurvich. Reviewed by D. M. Pinkhenson. Izv. Vses. geog. ob-va 84 no. 6:532-533 N-D '62.

- Zhamin, V. A., and others. [The economy of foreign countries; the capitalist system of the world economy after the Second World War] *Ekonomika zarubezhnykh stran; kapitalisticheskaya sistema mirovogo khoziaistva posle Vtoroi Mirovoi volny. Pod red. V. A. Zhamina*. Moskva, Vysshaya shkola, 1962. 632 p.

ECONOMIC HISTORY—CONGRESSES

Conference on Economic History. M.P. Kim, E.N. Komarov. Vest. AN SSSR 33 no. 1:91-92 Ja '63.

ECONOMIC INTEGRATION see subdivision under Europe

ECONOMIC RESEARCH

Present status and future development of economic research in the branches of the Academy of Sciences of the U.S.S.R. K. M. Gorov. Biol. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. no. 12: 64-67 '62.

ECONOMIC RESEARCH—CONGRESSES

Congress of Economists. K. N. Plotnikov. Vest. AN SSSR 33 no. 1:93-94 Ja '63.

ECONOMIC ZONING

(see also subdivision under Uzbekistan)

Economic climatology. I. U. G. Saushkin. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:17-23 N-D '62.

Main index of the All-Union specialization of economic regions. L. Telepko. Plan. khoz. 40 no. 1:75-81 Ja '63.

ECONOMICS

(see also subdivision under United States)

From F. Engels' correspondence with S. P. La Fargue. Vop. ekon. no. 12:10-15 D '62.

"History of Russian economic thought." Vols. I-2. Reviewed by A. M. Davidovich. Vest. AN BSSR, Ser. hram. nav. no. 4:118-124 '62.

Laws of interaction of productive forces and production relations during the large-scale building of communism. A. S. Ivanov. Dokl. TSKHA no. 75:297-309 '62.

Marx, Karl, and Friedrich Engels. [Collected works] Sochineniia, Izd. 2, Moskva, Gospolitizdat, Vol. 25, Pt. 2, [K. Marx, Capital, v. 3, book 3, pt. 2.]

"The national economy; theory and policy" [in German] by Michael Kröll. Reviewed by A. Velaman. Vop. ekon. no. 12:117-121 D '62.

"Principles of economics" by P. Nikitin. Reviewed by M. Herasymenko, L. Hanzhin. Ekon. Rad. Ukr. no. 6:110-121 N-D '62.

ECONOMICS—BIBLIOGRAPHY see Bibliography—Economics

ECONOMICS—CONGRESSES

At the international forum of economists. A. Tolkaev. Plan. khoz. 39 no. 12:85-88 D '62.

International congress of economists. K. Plotnikov. Vop. ekon. no. 12:150-153 D '62.

ECONOMICS—PERIODICALS

(see also subdivision under Czechoslovakia)

Economic periodical of an institution of higher learning. N. V. Oparin. Vest. vys. shkoly 20 no. 12:81-86 D '62.

ECONOMICS—STUDY AND TEACHING

(see also subdivision under Sverdlovsk Province)

Let's turn student clubs into training schools for researchers. S. I. A. Borovoi. Vest. vys. shkoly 20 no. 12: 42-46 D '62.

Paramov, M. I. A. [Methodology for conducting lessons in economics study groups and seminars] Metodika provedeniia zaniatii v ekonomicheskikh kruzhkakh i seminarakh. [Moskva] Mosk. rabochii, 1962. 102 p.

Practical work as a source for rounding out a knowledge of economics. S. M. Nakurskaya. Vest. vys. shkoly 20 no. 12:57-59 D '62.

Seminar conferences. G. A. Koshelev, M. A. Umashev. Vest. vys. shkoly 20 no. 12:60-62 D '62.

ECONOMICS, MATHEMATICAL

Application of mathematical methods in the planning work of an economic council. A. Zolotar'ov, O. Korostychev. Ekon. Rad. Ukr. no. 6:54-60 N-D '62.

Study of economic systems using physical analogs [with summary in English]. V. V. Kleshchov. Avtomatika 7 no. 6:20-29 '62.

ECONOMICS, MATHEMATICAL—BIBLIOGRAPHY see Bibliography—Economics, Mathematical

ECONOMICS, MATHEMATICAL—CONGRESSES

Mathematical methods and electronic computers in economics and planning. V. Kosov, I. U. Finkel'shtein, A. Modin. Plan. khoz. 40 no. 2:92-96 F '63.

ECUMENICAL MOVEMENT

Ecumenical news. Zhur. Mosk. Patr. no. 11:88 N '62.

EDIBLE OILS AND FATS see Oils and fats, Edible

EDUCATION

(see also subdivision under Africa; Armenia; Bulgaria; Buryat-Mongolia; Cuba; Germany; Latin America; Novo-Arinskii District; Orenburg Province; Rhodesia, Northern; Taymyr National Area; Uzbekistan; Vietnam)

Be responsible for your own work and the work of your comrades. Nar. obr. no. 1:1-4 Ja '63.

Brief news. Nar. obr. no. 1:88-89 Ja '63.

Chapters from a textbook on pedagogics. Sov. pedagog. 26 no. 12:73-128 D '62.

"Chrestomathy of our national pedagogics." Reviewed by M. S. Hrytsenko. Rad. shk. 41 no. 12:85 D '62.

Dorovitsov, L. A. [Pedagogical ideas of A. N. Radshchev] Pedagogicheskie idei A. N. Radshcheva. Moskva, Uchpedgiz, 1962. 89 p.

Determining the content of the "popular education" concept. I. A. I. Khanbikov. Dokl. APN no. 2:53-56 '62.

For a creative solution of problems. Rad. shk. 41 no. 12:3-5 D '62.

In the Ministry of Education of the R. S. F. S. R. Nach. shkola 30 no. 12:84-86 D '62.

In the Ministry of Education of the R. S. F. S. R. Nar. obr. no. 1:121-122 Ja '63.

Learning is light, illiteracy is darkness. Z. A. Lebedeva. Zhen. mira no. 5:18-22 '62.

Let's improve the quality of educational work. Sov. pedagog. 26 no. 12:10-18 D '62.

Pay more attention to the training of specialists. V. N. Stolev. Vest. sel'khoz. nauki 7 no. 11:6-10 N '62.

Postalozzi, J. H. [Selected pedagogical works] Izbrannye pedagogicheskie proizvedeniia. Pod red. M. F. Shukasev. Moskva, Izd-vo Akad. pedagog. nauk RSFSR.

Vol. 1. [1774-1790. Selections from early works. Pedagogical experiences in Neuhof. Articles and letters, 1790-1790. Translated from the German] 1774-1790. Iz rannikh rabot. Pedagogicheskiy opyt v Neigofe. Stat'i i pis'ma, 1780-1790. Leningrad i Gorki, 1961.

(CLU)

"Selected educational works" by P. P. Blonskii. Reviewed by A. Levashin. Nar. obr. no. 1:20-38 Ja '63.

"Selected pedagogical works of P. P. Blonskii." Reviewed by M. S. Bernshtein. Sov. pedagog. 26 no. 12: 134-138 D '62.

Some unsolved problems in the reorganization of Soviet schools. I. Padezhnov. Sov. deput. trud. no. 6:21-28 Ja '62.

Thoughts on education. A. S. Makarenko. Nar. obr. no. 1:78-79 Ja '63.

Triumph of the Leninist theory of the cultural revolution and cultural development. I. N. Goncharov. Shor. nauch. rab. rab. ist. KPSS vuzov. g. Khm. no. 4:103-116 '60.

Under the sun of the Great October. Sem'ia i shkola 17 no. 11:1 N '62.

Unity of current problems in Soviet school reorganization and prospects for the creation of a communist system of education in the U.S.S.R. A. M. Arsen'ev. Dokl. APN no. 1:5-12 '62.

"V. I. Lenin on education." Reviewed by B. Aleksandrov. Nar. obr. no. 1:101-103 Ja '63.

What will they do in the future? Zhen. mira no. 9:18-20 '62.

Zeiliger-Rubinshtein, E. I. [A. I. Herzen's views on education] Pedagogicheskie vzglady A. I. Gertsena. Izd. 2, dop. i perer. Moskva, Gos. Uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1962. 191 p.

EDUCATION—BIBLIOGRAPHY see Bibliography—Education

EDUCATION—CONGRESSES

Conference on theory and practice at the school laboratory dedicated to V. I. Lenin. Sov. pedagog. 26 no. 8: 155-157 Ag '62.

On the further upsurge of pedagogical science. V. Lebedeva. Sov. pedagog. 26 no. 8:150-154 Ag '62.

EDUCATION—CURRICULA

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie shkol. Otdel obucheniia vzroslykh. [Secondary school programs for the grades 8-10] Sbornik programmi srednei shkoly dlia VIII-X klassov. Moskva, Uchpedgiz, 1958. 159 p.

EDUCATION—EXHIBITIONS AND MUSEUMS

Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR. Pavil'on "Obrazovanie v SSSR" [Guidebook to the "Education in the U.S.S.R." Pavil'on] Putevoditel' po pavil'onu. Moskva, 1962. 42 p.

EDUCATION—PERIODICALS

(see also subdivision under Europe, Eastern; Tatar A. S. R.)

Read it in the periodicals. Nar. obr. no. 1:119 Ja '63.

Talk with our readers. Nar. obr. no. 1:123-125 Ja '63.

EDUCATION—STUDY AND TEACHING

What a university course in pedagogics should be like. S. V. Ivanov. Sov. pedagog. 26 no. 12:127-133 D '62.

EDUCATION, COOPERATIVE

(see also subdivision under Latvia; Siberia, Western; Ukraine)

Akademii pedagogicheskikh nauk RSFSR, Moscow. [Basic trends of work training in secondary schools] Osnovnye napravleniia proizvodstvennogo obucheniia v srednei shkole. Pod red. K. A. Ivanovicha, D. A. Epshchina. Moskva, 1962. 86 p.

Combination factory and higher technical school gathers its strength. A. P. Lyzo, A. I. Anikin. Vest. vys. shkoly 20 no. 12:21-23 D '62.

Connection between a technical school and production. N. I. Matko. Sred. spets. obr. 9 no. 11:23-25 N '62.

Development of individual abilities and inclinations of students. V. A. Sukhomlinskii. Sov. pedagog. 26 no. 12: 24-34 D '62.

First cycle is completed. B. Lagun. Nar. obr. no. 1: 37-41 Ja '63.

Interconnection between work and production training, and the study of the fundamentals of science. I. I. Romunets. Rad. shk. 41 no. 12:40-43 D '62.

Production instruction in secondary schools. A. G. Shebekoldin. Sov. pedagog. 26 no. 8:56-62 Ag '62.

Progressive technical school for the training of active builders of communism. V. N. Bullo, D. I. Pavlov. Sred. spets. obr. 8 no. 11:14-19 N '62.

School of the second stage tries its own ways. V. IE. Boldyrev. Rad. shk. 41 no. 12:30-36 D '62.

Should physics have a narrow specialization? G. P. Jonatlis. Vest. vys. shkoly 20 no. 12:25-27 D '62.

Three-year experience in school reorganization. A. T. Mostovoi. Sov. pedagog. 26 no. 8:51-55 Ag '62.

Trutneva, M. P. [Organization and methods of operation in schools for working youth] Organizatsiia i metody raboty v shkolakh rabochei molodezhi. Izd. 2, lapr. i dop. Moskva, Gos. uchebno-pedagog. izd-vo, 1958. 148 p.

(IU)

Wages for grade 9-11 secondary school students during their industrial training. V. Raguzov. Sata. trud 7 no. 4:142-145 Ap '62.

Working under the new conditions. M. I. Kafens. Rad. shk. 41 no. 12:37-39 D '62.

EDUCATION, ELEMENTARY

(see also subdivision under Czechoslovakia; Vitebsk District)

Akademii pedagogicheskikh nauk RSFSR, Moscow. Institut psikhologii. [Methods to improve the quality of the assimilation of knowledge in primary grades] Puti povysheniia kachestva usvoeniia znaniia i nachal'nykh klassov. Pod red. D. N. Bogoljubenskogo i N. A. Menchinskoi. Moskva, Izd-vo APN RSFSR, 1962. 278 p.

December in schools. Nach. shkola 30 no. 12:3-6 D '62.

Elementary education in M. P. Bunakov's pedagogical legacy. H. P. Hrytsenko. Rad. shk. 41 no. 12:15-18 D '62.

History of the schools with longer hours. E. G. Kostinshkin. Sov. pedagog. 26 no. 8:95-103 Ag '62.

The tot became a student. L. Aldarova. Sem'ia i shkola 17 no. 9:4-6 S '62.

EDUCATION, ELEMENTARY—PERIODICALS

Teachers discuss the periodical "Nachal'naia shkola." Nach. shkola 30 no. 12:86-87 D '62.

EDUCATION, HIGHER

(see also subdivision under Bulgaria; Germany, West; Hungary; United States)

Institutions of higher learning and their students. A. D. Skaba. Vest. vys. shkoly 20 no. 12:6-16 D '62.

Interuniversity conferences on methods. Vest. vys. shkoly 20 no. 12:28-29 D '62.

Let's strengthen contact with life! Vest. vys. shkoly 20 no. 12:3-5 D '62.

Students' conscience, teachers' duty and the honor of institutions of higher learning. Vest. vys. shkoly 20 no. 12:17-20 D '62.

EDUCATION, HIGHER—CONGRESSES

International symposium on higher education. Sov. pedagog. 26 no. 12:147-150 D '62.

EDUCATION, PRESCHOOL

(see also subdivision under Kiev; Komi-Permyak National Area; Kulunda; Moscow; Nikolayev Province; Ukraine; United States)

All teachers should have the new program. Doshk. voosp. 35 no. 11:3 N '62.

Children came to school. Doshk. voosp. 35 no. 9:3-9 S '62.

Conferences of preschool education workers. IL Novytska, T. Levchenko. Doshk. vykh. 23 no. 12:43 D '62.

Forty-fifth anniversary of the Great October. Doshk. voosp. 35 no. 10:3-7 O '62.

Let's keep children's age in mind. G. A. Tkacheva. Doshk. voosp. 35 no. 8:82-85 S '62.

Preparation for school is a joint task. M. Rubtsova and others. Doshk. voosp. 35 no. 9:46-54 S '62.

Press on preschool education. IU, Repin. Doshk. voosp. 35 no. 10:24-26 O '62.

Role of play in the work training of children. A. Cherkov. Doshk. vykh. 23 no. 10:8-15 O '62.

Sequence between nursery and preschool groups. G. Llamina. Doshk. voosp. 35 no. 11:18-21 N '62.

To supervisors and teachers, and to all preschool workers of the republic. Doshk. vykh. 23 no. 11:1-3 N '62.

Work of the united preschool institutions is the center of attention. A. Korol'ova. Doshk. vykh. 23 no. 10: 46 O '62.

Work training of small children in Russian classical pedagogy. Z. Borisova. Doshk. vykh. 23 no. 10:15-21 O '62.

EDUCATION, PRESCHOOL—CONGRESSES

Conference of preschool institution workers of Kiev Province. H. Poliakova, Doshk. vykh. 23 no. 11:47 N '62.

EDUCATION, PRESCHOOL—EXHIBITIONS

In the "Education in the U.S.S.R." pavilion. N. Korotova, Doshk. vykh. 23 no. 10:4-8 O '62.

EDUCATION, RURAL

V.I. Lenin on the cultural transformation of the village. Z.A. Segalchikina, Dokl. TSKEA no. 75:311-322 '62.

EDUCATION, SECONDARY

"Differentiation of general education" in secondary schools. P. Rudnev, Nar. obr. no. 1:12-22 Ja '63. Psychological and pedagogical characteristics of excellent, average, and poor pupils in the upper classes of the general secondary school and inculcation in them of a conscious relationship to study. N. P. Arkhangelskaya, Uch. zap. Rov. gos. ped. inst. 6:186-204 '61.

EDUCATION OF CHILDREN

(see also subdivision under Bulgaria; Ivanovo Province; Tunisia)

Brief news. Sem'ia i shkola 18 no. 1:30-43 Ja '63. Importance of folklore research for the use of popular concepts of education in pedagogical practice. I.A.I. Khlebnikov, Dokl. APN no. 1:43-46 '62.

EDUCATIONAL ACCELERATION

Finkel'shteyn, I. I. [Independent work of students in accelerated study classes] Samostoiatel'naya rabota uchashchikhsia klassov uskorennoogo obucheniia. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 39 p. (Pedagogicheskaya biblioteka uchitelin)

EDUCATIONAL PSYCHOLOGY

"Didactic principle of consciousness" by Sh. I. Ganelin. Reviewed by Z. I. Romanovskaya. Sov. pedagog. 26 no. 12: 139-142 D '62.

Effect of time limit and great fatigue on the recognition by children of categories of grammatical material. R. I. Dodonov, Dokl. APN no. 1:63-66 '62.

Forming the methods of students' mental activity as the way to develop thinking and stimulate learning [with summary in English]. D. N. Bogotavlenskii, Vop. psikh. 8 no. 4:74-82 Ji-Ag '62.

Methodological aspects of the development of integrated personality. Report No. 1: Assimilation of knowledge and dialectical contradiction. G. S. Batishchev, Dokl. APN no. 1:20-34 '62.

Methodological aspects of the development of integrated personality. Report No. 2: Assimilation of culture and leisure. G. S. Batishchev, Dokl. APN no. 2:19-24 '62.

"Pedagogical lectures" in the Institute of Psychology of the Academy of Pedagogical Sciences of the R.S.F.S.R. N. A. Menchinskaya, V. I. Samokhvalova, Vop. psikh. 8 no. 4:182-185 Ji-Ag '62.

Psychological and pedagogical characteristics of excellent, average, and poor pupils in the upper classes of the general secondary school and inculcation in them of a conscious relationship to study. N. P. Arkhangelskaya, Uch. zap. Rov. gos. ped. inst. 6:186-204 '61.

Realization of certain psychological principles in teaching machines in the United States. II. I. Birliko, G. G. Sabarova, Vop. psikh. 8 no. 4:163-171 Ji-Ag '62.

EDUCATIONAL RESEARCH

(see also subdivision under White Russia)

Study of optimal procedures for testing hypotheses in normal and pathological cases. Report No. 4. Dependence of the optimal sequence of tests on the a priori probability of hypotheses. O. K. Tikhomirov, Dokl. APN no. 1:73-76 '62.

Use of mechanical aids in educational research. E. E. Solov'eva, Sov. pedagog. 26 no. 8:116-120 Ag '62.

Use of scientific and technical means in the study of educational problems. A. T. Kurakin, Dokl. APN no. 2:25-28 '62.

EDWARDSIANA see subdivision under Michurinsk District

EFFECT OF TEMPERATURE ON METALS see Metals, Effect of temperature on

EFFICIENCY, INDUSTRIAL

(see also subdivision under Europe, Eastern; Kuybyshev Province; Pervouralsk; Rzhnev)

Ethical factor. A. Kochukov, Part. zhizn' no. 1:20-35 Ja '63.

Great achievements of a small collective. N. Strav's, Mest. prom. i khud. promys. 3 no. 11:3 N '62.

Increased labor productivity will open the road toward prosperity; methodological advice for propagandists. F. Koval', D. Pushko. Komm. Mold. 7 no. 12:84-72 D '62.

Members of the Communist Youth League discuss N. G. Zaglad's and I. D. Leonov's articles. Komsom. zhizn' no. 10:5-7 O '62.

Stand up for the worker's honor. Obshchestv. pit. no. 12:1-2 D '62.

They are marching toward new achievements. A. Zakharenko. Komm. Bel. 36 no. 12:41-45 D '62.

Where the "Searchlight" is directed. V. Ivanov. Komsom. zhizn' no. 19:2-3 O '62.

EGYPT, HUNGARY—VITICULTURE

The creed of the Hungarian viticulturist. Yvonne Quillet. Zhen. mira no. 2:23-27 '62.

EGLE, KARLS, 1887-

A life devoted to the friendship of peoples and development of culture; on the 75th birthday of K. Eggle, outstanding worker in the field of culture [in Latvian]. A. Vilsons. Izv. AN Latv. SSR no. 8:137-140 '62.

EGYPT—AGRICULTURE

Agriculture in the United Arab Republic. F. F. Sidorov. Vest. sel'khoz. nauk 7 no. 10:137-140 O '62.

EGYPT—POTATO ROT

Potato and tomato late blight in the Egyptian region of the United Arab Republic. Esmat Allom. Zashch. rast. ot vred. i bol. 5 no. 10:47-48 O '60.

EGYPT—TOMATOES—DISEASES AND PESTS

Potato and tomato late blight in the Egyptian region of the United Arab Republic. Esmat Allom. Zashch. rast. ot vred. i bol. 5 no. 10:47-48 O '60.

EGYPTIAN CIVILIZATION see Civilization, Egyptian

EICHMANN, ADOLF, 1906-1962

Eichmann, Adolf. [Six million accuse; speech of the Israeli Attorney General at the Eichmann trial] 6,000,000 obviniaut; rochi izrail'skogo general'nogo prokurora na protsessie Eikhmana. Jerusalem, Izd. Informatsionnogo otdela M-va Inostr. del, 1961. 170 p. (MI)

EIGENFUNCTIONS

Minimal normal forms of symmetrical functions. T. I. Mal'trova. Probl. parad. inform. no. 11:47-50 '62.

EIGENVALUES

On the discrete part of the Laplacian spectrum in regions of limiting cylindricality. I. M. Glazman, B. I. Skachek. Dokl. AN SSSR 147 no. 4:760-763 D '62.

EISENSTEIN, SERGEI MIKHAILOVICH, 1898-1948

Rostovtsev, I. G. ["Fraternalism Potemkin-"] Broenosela Potemkin. Moskva, Izd-vo "Iskusstvo," 1962. 210 p.

EISLER, HANS, 1898-1962

Baron of socialist Germany; on Hans Eisler. I. Nest'ev. Sov. muz. 26 no. 12:104-109 D '62.

ELASTIC PLATES AND SHELLS

Conference on the Theory of Shells and Plates. A. N. Volkov. Vest. AN SSSR 33 no. 1:123 Ja '63.

Design of plates lying on an elastic foundation. I. A. A. Barg. Stroi. mekh. i rasch. soor. 4 no. 6:11-14 '62.

Design of ribbed shells and plates with variable thickness. R. S. Vasil'kov. Inzh. zhur. 2 no. 4:321-329 '62.

Determining the critical load for a plate with a crack. V. V. Panasuk. Vop. mekh. real' tver. tela no. 1:57-62 '62.

Evaluation of the effect of the Poisson coefficient during the experimental study of plate bending. A. K. Preiss. Probl. prochn. mashinostr. no. 8:89-72 '62.

Investigating strained state of a toroidal shell. A. N. Volkov. Inzh. zhur. 2 no. 4:312-320 '62.

On the relationship between stresses, moments and strains under complex loading [with summary in English]. T. D. Karimbaev. Vest. Mosk. un. Ser. I: Mat., mekh. 18 no. 1:48-53 Ja-F '63.

Plane specimens with cracklike concentrators for the experimental study of plasticity bands. G. I. Kornilov, S. I. Aremva. Vop. mekh. real' tver. tela no. 1:29-36 '62.

Plane stressed state of a rectangular anisotropic plate. L. N. Vorob'ev, N. T. Glazunova. Izv. vys. ucheb. zav. i mashinostr. no. 7:88-74 '62.

Pogorelov, A. V. [Cylindrical shells at supercritical deformations] Tsiлиндрические оболочки при сверхкритических деформациях. Khar'kov, Izd-vo Khar'kovskogo univ. Vol. 1. [Axial compression] Osevoe szhatie. 1962. 51 p.

Vol. 2. [External pressure] Vneshnee daylenie. 1962. 60 p.

Vol. 3. [Torsion] Krucheniia. 1962. 71 p.

Qualitative study of a circular symmetrically compressed plate under heavy load along the contour (proof of the appearance of crimps). N. F. Morozov. Dokl. AN SSSR 147 no. 6:1316-1310 D '62.

Slip bands caused by nonuniform deformation of a plate. P. M. Vitvitskii, M. I. A. Leonov. Vop. mekh. real' tver. tela no. 1:13-28 '62.

Solution of problems concerning the stability of plates in creep under the quasi-static theory. L. M. Kurshin. PMTF no. 5:154-158 3-O '62.

Solution to a mixed boundary value problem involving a cylindrical shell of varying thickness. V. S. Zhgentii. Trudy Vych. tsentra AN Gruz. SSR 2:85-97 '62.

Solving a plane problem for a rectangular region. L. N. Vorob'ev, N. T. Glazunova. Stroi. mekh. i rasch. soor. 4 no. 6:3-6 '62.

Some problems of the stability of a cylindrical shell. M. Z. Nisnevich. Inzh. zhur. 2 no. 4:364-366 '62.

ELASTIC RODS AND WIRES

Design for stability of a compressed-beam rod in the elastoplastic stage subject to terminal deformations. I. U. N. Aleshinskii. Stroi. mekh. i rasch. soor. 4 no. 6:48-51 '62.

Design of rods fixed in an elastic semispace. I. A. G. Zhilnikov. Stroi. mekh. i rasch. soor. 4 no. 6:26-30 '62.

Elastic-plastic deformation caused by torsion of a rod with a shallow semicylindrical groove on the surface. M. I. A. Leonov, N. I. U. Shvaiko. Vop. mekh. real' tver. tela no. 1:5-12 '62.

Free oscillations of a circular ring with equidistant masses. K. Sh. Khodzhaev. Prikl. mat. i mekh. 26 no. 6:1141-1144 N-D '62.

Generalized theory of pure torsion of thin-walled rods. M. I. A. Leonov, A. N. Ivashchenko. Vop. mekh. real' tver. tela no. 1:101-130 '62.

Helical dislocations in prismatic rods. M. I. A. Leonov, N. I. U. Shvaiko. Inzh. zhur. 2 no. 4:293-302 '62.

Propagation of an elastoplastic loading wave along a finite rod [with summary in English]. A. I. Buravtsev. Vest. LGU 18 no. 1:78-85 '63.

Solution of some nonlinear problems of the statics of thin rods. N. G. Bondar'. Stroi. mekh. i rasch. soor. 4 no. 6:21-26 '62.

Transposition of problems of the longitudinal-lateral flexure of straight rods. E. P. Krut'kov. Stroi. mekh. i rasch. soor. 4 no. 6:30-35 '62.

Vibrations of a nonsymmetrical body suspended on brace wires [with summary in English]. S. A. Zegzhda. Vest. LGU 18 no. 1:145-146 '63.

ELASTIC SOLIDS—VIBRATION

[Problems of energy dissipation in the vibrations of elastic systems] Voprosy rasselaniia energii pri kolebaniakh uprugikh sistem; trudy nauchno-tekhnicheskogo soveshchaniia. Pod red. G. S. Pisarenko, Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 223 p.

ELASTIC WAVES

Elastic-plastic waves in iron and steel under explosive loading. A. G. Ivanov, S. A. Novikov, V. A. Sintayn. Fiz. tver. tela 5 no. 1:280-278 Ja '63.

Propagation of elastic waves in a conducting rod. N. I. Dolbin. PMTF no. 2:104-109 Mr-Ap '62.

ELASTICITY

Almansi-Michell's problem for a composite beam. G. M. Khatlashvili. Trudy Vych. tsentra AN Gruz. SSR 2:213-239 '62.

Comparative evaluation of the methodology of determining the modulus of elasticity. M. P. Mokhnachev. Nauch. soob. IGID 14:66-70 '62.

Design of a ring resting on elastically yielding supports. M. I. A. Leonov, Stroi. mekh. i rasch. soor. 4 no. 6:15-20 '62.

Determination of special solutions to equations in the theory of elasticity. I. A. S. Podstrigach, I. A. I. Burak. Vop. mekh. real' tver. tela no. 1:95-100 '62.

Determination of the limit tensile stresses for an elastic plane with two unequal cracks. V. V. Panasuk, B. L. Lozovoi. Vop. mekh. real' tver. tela no. 1:37-56 '62.

Effect of a seismic wave on the motion of a rigid massive strip lying on an elastic half-space. L. M. Fil'man. Prikl. mat. i mekh. 26 no. 6:1043-1058 N-D '62.

Elastic equilibrium of a homogeneous orthotropic cylindrical beam with a loaded lateral surface. G. M. Khatlashvili. Trudy Vych. tsentra AN Gruz. SSR 2: 123-142 '62.

Inverse elastic-plastic problem in the case of antiplane deformation. G. P. Chovrapanov. Prikl. mat. i mekh. 26 no. 6:1145-1147 N-D '62.

Investigating the relation of the elasticity modulus of porcelain bodies to temperature. E. V. Basin, D. I. Levin. Trudy GIKI no. 1:68-84 '60.

Methods for experimental determination of the elastic constants of anisotropic materials. E. K. Ashkarazi, A. A. Pozdnyakov. Nauch. trudy LTA no. 34:65-85 '62.

A mixed problem in the theory of elastic vibrations for a region external to a circle. S. Kh. Shatashvili. Trudy Vych. tsentra AN Gruz. SSR 2:143-151 '62.

On certain low-frequency oscillations of a liquid layer in an elastic medium. P. V. Krauklis. Prikl. mat. i mekh. 26 no. 6:1111-1116 N-D '62.

On the theory of discharge waves. A. M. Skobeev. Prikl. mat. i mekh. 26 no. 6:1059-1066 N-D '62.

Study of the dynamic field of stresses in an elastic half-space near the point of application of a surface load. V. S. Nikiforovskii. PMTF no. 2:85-94 Mr-Ap '62.

Use of the method of integral equations in the effective solution of some fundamental boundary value problems of the statics of an orthotropic elastic body [in Georgian with summary in Russian]. M. O. Bachelelekhvili. Trudy Vych. tsentra AN Gruz. SSR 2:109-121 '62.

Variational method for solving the axisymmetric thermoelasticity problem. V. A. Shachnev. Prikl. mat. i mekh. 26 no. 6:1033-1042 N-D '62.

ELECTRIC DRIVING (Continued)

- Study of transient processes in an automated electric drive using electronic analog computers. O. V. Popov, S. V. Korotkov. *Sbor. rab. po vop. elektromekh.* no. 7: 115-130 '82.
- Transient process arising when power is suddenly applied to a rotating electric motor. A. E. Alekseev and others. *Izv. vys. ucheb. zav.; elektromekh.* 5 no. 9: 1087-1075 '82.
- Use of a forcing system in the automatic control of a ship hoist in the dragging-up process. A. L. Vinogradov. *Izv. vys. ucheb. zav.; elektromekh.* 5 no. 8: 1048-1052 '82.
- Use of a graphical method for calculating transient processes in an asynchronous electric drive with frequency regulation. V. A. Prozorov. *Sbor. rab. po vop. elektromekh.* no. 7: 130-137 '82.
- Use of the inverse synchronous field in single-phase electrical machines. M. V. Antonov, I. P. Kopylov, V. I. Radin. *Izv. vys. ucheb. zav.; elektromekh.* 5 no. 8: 994-1001 '82.
- Use of transistor e.m.f. Hall transducers in an automatically controlled electric drive system. I. A. Oala. *Izv. vys. ucheb. zav.; elektromekh.* 5 no. 8: 1009-1013 '82.

ELECTRIC ENGINEERING

- Sakhaeva, N. I. [Electrical engineering] *Elektrotehnika; sbornik tekstov dlia chtenia na angliiskom iazyke*. Moskva, Gosenergizdat, 1981. 100 p. [Text in English, preface in Russian, and vocabulary]
- "Track circuits" by N. F. Kotlarensko. Reviewed by I. P. Logvinenko, O. V. Kozin, M. I. Bragin. *Zhei. dor. transp.* 44 no. 12: 91-92 D '82.

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

ELECTRIC ENGINEERING—DICTIONARIES

- International Electrotechnical Commission. [International electrotechnical vocabulary. Group 20: Scientific and industrial measuring instruments. Preface in Russian, French, and English] *Mezhdunarodnyi elektrotehnicheskii slovar'*; grupp 20: Laboratornye i tekhnicheskie izmeritelnye pribory. [Izd. 2.] Moskva, Glav. red. inostr. nauchno-tekhn. slovaroi Fizmatgiz, 1982. 225 p.

ELECTRIC ENGINEERING—MATERIALS

- A new method for manufacturing ceramic items with complex internal apoco. V. P. Samoilov. *Vest. elektroprom.* 34 no. 1: 80-70 Ja '83.

ELECTRIC ENGINEERING—PATENTS

- Certificates of invention. *Elektrosviaz'* 16 no. 12: 73-74 D '82.
- Foreign patents. *Elektrosviaz'* 16 no. 12: 75-76 D '82.

ELECTRIC ENGINEERING—SAFETY MEASURES

- Analyzing the dangerous effect of the a.c. traction overhead network. I. V. Pavlov. *Vest. TSNII MPS* 21 no. 8: 16-18 '82.

ELECTRIC ENGINEERING—STUDY AND TEACHING

- Connections between electric engineering, general subjects, industrial training and productive work. P. I. Stavskii. *Dokl. APN* no. 2: 5-8 '82.

ELECTRIC EQUIPMENT INDUSTRY

- (see also subdivision under Kharkov; Minsk; Ryazan; Tallinn)

- Awarding of the participants of the Exhibition of Achievements of the National Economy of the U.S.S.R. M. A. Borisev, V. I. Smorgonakii. *Vest. elektroprom.* 34 no. 1: 36-38 Ja '83.

- Centralization of the planning of technical policies in the electric equipment industry. *Vest. elektroprom.* 34 no. 1: 1-3 Ja '83.

- Problems concerning the manufacture of low-voltage apparatus. N. A. Dodogovskii. *Vest. elektroprom.* 34 no. 1: 4-5 Ja '83.

ELECTRIC EQUIPMENT INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Kiev

ELECTRIC EQUIPMENT INDUSTRY—HYGIENIC ASPECTS see subdivision under Dnepro Valley

ELECTRIC FIELDS

- Charged particle fluxes in an electromagnetic field. I. U. P. Pylov. *Zhur. vych. mat. i mat. fiz.* 2 no. 5: 859-867 S-O '82.
- Effect of an electric field on the behavior of charged dislocations. E. G. Shvidkovskii, N. A. Tiaputina, E. P. Belozerovala. *Kristallografiia* 7 no. 3: 471-472 My-Je '82.
- Polarization of a conductive cylinder in a homogenous electric field. A. Tarnovskii. *Uch. zap. Kub. gos. ped. inst.* no. 37: 3-9 '82.
- Polarization of quasi-linear luminescence spectra of perylene in an electric field at 77°K. G. V. Glbov and others. *Opt. i spekt.* 13 no. 6: 879 '82.
- Role of electric fields in paramagnetic resonance. A. B. Roitstein. *Fiz. tver. tela* 5 no. 1: 151-157 Ja '83.
- Sorting ammonia molecules by means of an electric field. A. A. Sokova. *Trudy Inst. Kom. stand., mer i izm. prib.* no. 59: 101-108 '82.

- Study of magnetic and electric fields in a gaseous medium with the aid of electron beams. A. M. Trokhan. *PMTF* no. 4: 80-94 Ji-Ag '82.

ELECTRIC FILTERS

- Design of an optimum stationary filter with a finite memory for a random time interval [with summary in English]. I. B. Chepanov. *Avtom. i telem.* 24 no. 1: 47-52 Ja '83.
- An electronic band filter for an electroencephalograph analyzer. V. V. Semenov and others. *Sbor. rab. po vop. elektromekh.* no. 7: 373-375 '82.

ELECTRIC FREQUENCY MEASUREMENTS see Frequency measurements

ELECTRIC FURNACES

- Distortion of the form of carbon electrodes in electrical furnaces. P. V. Sergeev. *Izv. AN Kazakh. SSR, Ser. energ.* no. 2: 39-48 '82.
- Refractory concrete for vacuum-distillation furnaces. K. D. Nekrasov and others. *Ognesupory* 28 no. 1: 26-30 '83.

ELECTRIC FURNACES—EQUIPMENT AND SUPPLIES

- Electrohydraulic drive for the transfer of electrodes in an electric arc furnace. A. I. Sypko. *Metallurg* 8 no. 1: 14-17 Ja '83.

ELECTRIC FURNACES—MAINTENANCE AND REPAIR

- Studying conditions of service and the character of roof failure in electric steel smelting furnaces. M. N. Kalicheva, N. I. Fadeeva. *Trudy Vost. inst. ogneup.* no. 2: 101-117 '80.

ELECTRIC GENERATORS

- Concerning L. V. Rozman's article. E. L. Etlinger and others. *Vest. elektroprom.* 34 no. 1: 62-64 Ja '83.
- Determination of the optimum parameters of the elements of a system for parametric regulation of the voltage and frequency of an a.c. generator with a parallel resonant circuit. I. U. E. Voskresenskii, G. V. Privalov. *Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom.* no. 6: 27-33 N-D '82.
- Equivalent circuit of the self-excitation system of asynchronous generators. I. A. Rabinin. *Izv. vys. ucheb. zav.; elektromekh.* 5 no. 11: 1233-1239 '82.
- Equivalent magnitudes of the excitation circuit of a self-exciting asynchronous generator. N. I. A. Kravtsov. *Izv. vys. ucheb. zav.; elektromekh.* 5 no. 11: 1240-1246 '82.
- Joule dissipation in the channel of a magnetohydrodynamic generator. A. B. Vatazhin. *PMTF* no. 5: 50-59 S-O '82.
- Magnetization and testing of generator rotors. N. Kniazev. *Tekhn. v sel'khoz.* 22 no. 11: 75-76 N '82.
- Magnitude of the nominal voltage of generator rotors with electronic excitation. L. V. Rozman. *Vest. elektroprom.* 34 no. 1: 61-62 Ja '83.
- Special features of the external characteristics of a generator with mixed excitation. E. K. Mezlin. *Izv. vys. ucheb. zav.; elektromekh.* 5 no. 11: 1288-1295 '82.

ELECTRIC INDUSTRY WORKERS

- Bonus payment practices to the workers should be improved. V. I. Masluk. *Energetik* 10 no. 12: 26-27 D '82.

ELECTRIC INSULATORS AND INSULATION

- Detecting defective insulators on the contact network of electrified railroads. M. E. Boldova, A. M. Tsetlin. *Trudy TSNIME* no. 34: 71-80 '82.
- Kozyrev, N. A. [Insulation of electrical machines and methods for testing it] *Izlozheniia elektricheskikh mashin in melody ee ispytaniia*. Moskva, Gosenergizdat, 1982. 263 p.
- Laws regulating the breakdown of polyethylene insulation of high-voltage cables carrying an impulse voltage. G. P. Delektoriskii. *Vest. elektroprom.* 34 no. 1: 65-67 Ja '83.
- Types of armored porcelain partition insulators and their use during the period 1981-1985. *Vest. elektroprom.* 34 no. 1: 70-78 Ja '83.
- Use of reclaimed rubber for the electric insulation of superstructure parts. B. L. Babitskii, L. E. Vinitskii. *Vest. TSNII MPS* 21 no. 8: 50-52 '82.
- What causes the damage of the armature winding insulation of traction engines. A. A. Sevortsov. *Vest. TSNII MPS* 21 no. 8: 7-11 '82.

ELECTRIC LAMPS

- Incandescent lamps for projection printing and photography. *Svetotekhnika* 8 no. 1: 32 Ja '83.
- Light emission and flash duration of bulb-type discharge lamps. I. S. Marshak and others. *Svetotekhnika* 9 no. 1: 12-18 Ja '83.

ELECTRIC LAMPS, FLUORESCENT see Fluorescent lamps

ELECTRIC LIGHT FIXTURES

- Epaneshnikov, M. M. [Electric lighting] *Elektricheskoe osveshchenie*. Izd. 3., perer. i dop. Moskva, Gosenergizdat, 1982. 335 p.

ELECTRIC LIGHT FIXTURES—CONGRESSES

- Coordinating conference on engineering problems in the manufacture of electric lighting fixtures. A. L. Bogobubov. *Svetotekhnika* 8 no. 12: 28-29 D '82.

ELECTRIC LIGHTING

- Concerning the necessity for standardized terminology in the theory of radiation transfer. R. A. Sapozhnikov. *Svetotekhnika* 8 no. 12: 18 D '82.
- Effect of the spectral composition of electric lighting sources on the standardized lighting level of streets and public squares. A. B. Maiveev. *Svetotekhnika* 9 no. 1: 3-7 Ja '83.
- Electric lighting of construction and installation sites. N. I. A. Turchin. *Svetotekhnika* 9 no. 1: 24-27 Ja '83.
- "Electrical lighting of stores" by D. A. Velikorelskii. Reviewed by D. A. Zhilber and V. V. Teltai'ev. *Svetotekhnika* 9 no. 1: 28-30 Ja '83.
- Epaneshnikov, M. M. [Electric lighting] *Elektricheskoe osveshchenie*. Izd. 3., perer. i dop. Moskva, Gosenergizdat, 1982. 335 p.
- Letter to the editor. M. M. Gurevich. *Svetotekhnika* 9 no. 1: 28 Ja '83.
- Norms for the design of electrical lighting systems of industrial buildings. M. S. Riabov. *Svetotekhnika* 8 no. 12: 25-26 D '82.
- Points from foreign trade journals. *Svetotekhnika* 8 no. 12: 30-30 D '82.
- Points from foreign trade journals. *Svetotekhnika* 9 no. 1: 30-31 Ja '83.
- Problem concerning the form of lighting engineering designs. G. M. Knorring. *Svetotekhnika* 9 no. 1: 23-24 Ja '83.
- Problems of lighting engineering and the decisions of the plenary session of the Central Committee of the CPSU in November 1982. *Svetotekhnika* 9 no. 1: 1-2 Ja '83.

ELECTRIC LIGHTING—STANDARDS

- Concerning electric lighting norms for different industries. G. M. Knorring, A. S. Shaikovich. *Svetotekhnika* 8 no. 12: 22-23 D '82.
- Norms on electrical lighting used in different branches of industries. M. S. Riabov. *Svetotekhnika* 9 no. 1: 22-23 Ja '83.
- Problems concerning the future development of industrial electrical lighting norms. P. M. Tikhodeev, A. S. Shaikovich. *Svetotekhnika* 8 no. 12: 17-23 D '82.

ELECTRIC LIGHTING, FLUORESCENT see Fluorescent lighting

ELECTRIC LINES

- Experience in the use of cable communication lines in mountainous areas. S. I. Shaikin. *Vest. aviatsii* 22 no. 12: 20-21 D '82.
- High-voltage electric lines. M. Bacharova. *NTO* 4 no. 9: 26-28 S '82.
- Separate installation of the common neutral line and the use of armoring or lead sheathing of a cable in the capacity of a common neutral wire. M. R. Naifeld. *Energetik* 10 no. 12: 28 D '82.
- Use of a steel-stranded line. L. A. Tsiiperman. *Svetotekhnika* 8 no. 12: 26-27 D '82.

ELECTRIC LINES—OVERHEAD

- Changes and additions to Chapter II-5 "Overhead power transmission lines with voltages in excess of 1,000 volts" of the "Regulations for the Installation of Electric Power Systems." R. A. Golubetskii, A. N. Karasauldza. *Energetik* 10 no. 12: 21-24 D '82.
- Concerning V. V. Vasil'ev's article "Should equipment be grounded or reliably insulated?" V. S. Burlakov and others. *Energetik* 10 no. 12: 15-17 D '82.
- Interference generated by the nonlinear elements of electric power distribution networks. I. U. A. Morozov. *Sbor. rab. po vop. elektromekh.* no. 7: 322-326 '82.
- Melting of ice crusts on the conducting wires of 400-500 kv. electric power transmission lines. V. A. Vorobkov, V. M. Bobrovskii, E. S. Glebov. *Elek. sta.* 33 no. 10: 72-75 O '82.
- Minimum calculated cost of electric power transmission lines with different carrying capacity and length. A. M. Ignatieva, E. E. Lotter. *Izv. AN Kazakh. SSR, Ser. energ.* no. 2: 11-18 '82.
- Possibility of using data accumulated over a four year period for determining the characteristics of maximum wind speed. R. M. Bekmet'ev. *Izv. AN Kazakh. SSR, Ser. energ.* no. 2: 3-10 '82.
- Syromiatnikov, I. A. [Electrification is well on its way; power transmission lines] *Elektricheskoe v puti; linii elektropredachi*. Moskva, Izd-vo "Znanie," 1983. 47 p. (Novoe v zhizni, nauka, tekhnika, IV Seria; Tekhnika, no. 1)
- Use of screw clamps for double clamping wires on pin insulators. S. M. Grinev. *Energetik* 11 no. 1: 35 Ja '83.
- Wider use of rural electric power distribution lines for telecommunication purposes. A. S. Sergilevskii. *Mekh. i elek. sels'khoz.* 20 no. 6: 50-52 '82.

ELECTRIC LINES—POLES AND TOWERS

- Concerning a certain fatal accident. A. M. Kogan. *Energetik* 11 no. 1: 31-32 Ja '83.
- A device for pulling bolts out of wooden power transmission line poles. V. A. Chernov. *Energetik* 11 no. 1: 27-29 Ja '83.
- Rejection of poles with partial internal decay. G. P. Tarasov. *Energetik* 11 no. 1: 25-27 Ja '83.
- Use of screw clamps for double clamping wires on pin insulators. S. M. Grinev. *Energetik* 11 no. 1: 35 Ja '83.

ELECTRIC LINES—SAFETY REGULATIONS

Concerning a certain fatal accident. A. M. Kogan. *Energetik* 11 no. 1:31-32 Ja '63.

ELECTRIC LINES—UNDERGROUND

Protecting railroad communication cables from corrosion. V. S. Artamonov. *Vest. elektroprom.* 34 no. 1: 51-54 Ja '63.

ELECTRIC LOCOMOTIVES

(see also subdivision under France)

Advice concerning the servicing of the ignitrons of electric locomotives. A. P. Chistov. *Elek. i tepl. tizh.* 8 no. 11:34-35 N '62.

Calculating the reverse ignition currents in rectifier type locomotives. B. N. Nabrik. *Vest. TSNM MPS* 21 no. 8: 12-15 '62.

Cause of the cutoff of the traction motors of the VL22M electric locomotive. E. V. Kotov. *Elek. i tepl. tizh.* 8 no. 11:35-36 N '62.

Changes in equipment and electrical networks of presently manufactured locomotives. M. A. Kaiser. *Elek. i tepl. tizh.* 8 no. 11:30-34 N '62.

Developing single-phase and two-phase electric locomotives for the lumbering industry. V. I. Bolotnikov. *Trudy TSNIME* no. 34:25-40 '62.

Prokhorov, F. N. [Electric traction and electric power supply of electric railroads] *Elektrologovoe khoz. i stroitel'stvo elektricheskikh zheleznitskikh dorog.* 2, perer. i dop. izd. Moskva, Transzheldorizdat, 1962. 134 p.

Replies to the inquiries of our readers. Z. M. Dubrovskii, A. N. Gurevich, M. N. Khatakolovich. *Elek. i tepl. tizh.* 8 no. 11:42-43 N '62.

Single-phase electric locomotive with silicon rectifiers. P. V. Krotov. *Trudy TSNIME* no. 34:41-51 '62.

A stand for adjusting the antislip protection systems of electric locomotives. N. S. Bazilov. *Elek. i tepl. tizh.* 6 no. 11:27-29 N '62.

Studying silicon rectifiers. P. V. Krotov, M. E. Boldov, I. V. Shvilonov. *Trudy TSNIME* no. 34:53-59 '62.

We have changed the cable coupling system between the underframes of NS electric locomotives. A. V. Trekhov. *Elek. i tepl. tizh.* 6 no. 11:23-24 N '62.

Wear resistance of the collectors of electric traction motors. P. A. Zolotarev, V. Z. Grebenkin. *Vest. elektroprom.* 34 no. 1:43-48 Ja '63.

ELECTRIC LOCOMOTIVES—BIBLIOGRAPHY see Bibliography—Electric locomotives

ELECTRIC MACHINERY

Kosyrev, N. A. [Insulation of electrical machines and methods for testing it] *Izollatsiya elektricheskikh mashin i metody ee ispytaniya.* Moskva, Gosenergizdat, 1962. 263 p.

Problem concerning the determination of wholesale prices of spare parts for electrical equipment. S. N. Sarkova. *Vest. elektroprom.* 34 no. 1:57-60 Ja '63.

Study of the mechanical strength of the collectors of small electrical machines. N. D. Zharkov, I. I. Tukin. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 11:1311-1316 '62.

ELECTRIC MACHINERY—ALTERNATING CURRENT

Coke production machinery operated on the a. c. current. A. S. Rabotnikov. *Kok i khim.* no. 12:53-56 '62.

ELECTRIC MACHINERY—DIRECT CURRENT

Calculation of the inductance of the rotor circuit of a noncompensated d. c. machine with consideration of the saturation of the toothed zone. V. V. Peltsov. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 11:1247-1258 '62.

Concerning A. S. Kurbasov's article "Power consideration in the theory of commutation." O. G. Vagner. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 9:1080-1082 '62.

Effect of the upper harmonics of a magnetic field on the plate potential in a two-way winding with balancing connectors on one side of the armature. Z. Chervoshvskii. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 9: 1067-1068 '62.

Power consideration in the theory of commutation. A. S. Kurbasov. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 9:1076-1079 '62.

Special features of the commutation of d. c. machines with compound armature windings. V. N. Grigor'ev. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 9:1083-1088 '62.

ELECTRIC MACHINERY—MAINTENANCE AND REPAIR

Vartanov, G. L., V. V. Verner, and V. M. Serebriakov. [A manual for electricians and repairmen] *Elektromontazh-remontnik.* Moskva, Proftekhizdat, 1962. 223 p.

ELECTRIC MACHINERY, SYNCHRONOUS

Use of computer devices in the harmonic analysis of flux and e. m. f. of a synchronous machine. E. I. Anishechenko, V. M. Kirpichnikov, N. S. Stunov. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 9:985-993 '62.

ELECTRIC MACHINERY INDUSTRY—CONGRESSES

Meeting of the workers of several branches of the power machinery construction industry. M. F. Shtikov. *Teplenergetika* 9 no. 12:83-85 D '62.

ELECTRIC MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Mednogorsk

ELECTRIC MACHINES—DIRECT CURRENT

Relay for protecting d. c. machinery from sparking under the collector brushes. V. S. Povolotskii, A. S. Reizlin. *Gor. zhur.* no. 5:73 My '62.

ELECTRIC MEASUREMENTS

Chernykhov, E. T., N. G. Chernyshova, and E. N. Chernykh. [Magnetic measurements using alternating and direct currents] *Magnitnye izmereniya na postolannom i porameannom toke.* Moskva, Standartgiz, 1962. 183 p.

Choice of the parameters of a network for rectifying the scale of instruments working with logarithmic transducers. V. P. Dubrovnyi. *Avtomatika* 7 no. 6:48-51 '62.

Ponomarev, B. A. [Electric measurements] *Elektricheskie izmereniya.* Moskva, Gosstatizdat, 1962. 54 p. (Biblioteka elektrometov, no. 78)

ELECTRIC METAL CUTTING

Gilmanenko, D. I. [Welding and cutting of metals] *Starka i rezka metallov.* Izd. 5., perer. Moskva, Proftekhizdat, 1962. 447 p.

ELECTRIC METERS

Theoretical principles of the derivation of a scale with given characteristics in electromagnet measuring devices with round coils. A. Zhukhovskii. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 8:1014-1023 '62.

ELECTRIC MOTORS

Increase of the operational reliability of the electric motors of remote control posts. A. V. Shchegolev, N. N. Chekhevoi. *Elek. sta.* 33 no. 10:85-86 O '62.

Katnikov, V. A., and B. A. Ivobotenko. [Pulse motors for automatic control systems] *Shagovye dvigateli dlia sistem avtomaticheskogo upravleniya.* Moskva, Gosenergizdat, 1962. 125 p. (Biblioteka po avtomatike, no. 66)

Stabilizing the speed of an electric motor. R. M. Trakhtenberg. *Avtom. i prib.* no. 4:21-25 O-D '62.

ELECTRIC MOTORS—MAINTENANCE AND REPAIR

Lepnev, D. A., and N. I. A. Shtekman. [Use and repair of electric appliances at home] *Ekspluatatsiya i remont bytovykh elektropriborov v domashnikh usloviyakh.* Moskva, Gosdompromizdat, 1962. 94 p.

Vartanov, G. L., V. V. Verner, and V. M. Serebriakov. [A manual for electricians and repairmen] *Elektromontazh-remontnik.* Moskva, Proftekhizdat, 1962. 223 p.

ELECTRIC MOTORS—SAFETY APPLIANCES

Automatic cutoff of the electric motor in case of phase break. N. P. Sundlov. *Khok. tekhn.* 39 no. 5:56 N-D '62.

ELECTRIC MOTORS, DIRECT CURRENT

A discrete static speed controller for a d. c. motor [with summary in English]. R. M. Trakhtenberg. *Avtom. i telemekh.* 24 no. 1:64-74 Ja '63.

ELECTRIC MOTORS, INDUCTION

Experimental determination of the parameters of small asynchronous motors. E. D. Nesogovorova. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 11:1259-1264 '62.

An inverter using transistors for frequency control of the speed of asynchronous electric motors. D. A. Zavalishin, G. I. Novikova. *Sbor. rab. po vop. elektromekh.* no. 7:78-83 '62.

Machining of the inner surface of pipes using the rotor of an asynchronous motor. R. R. Paris. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 11:1303-1305 '62.

A stage with a self-exciting collector clutch. L. I. Abriutin. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 11: 1306-1310 '62.

ELECTRIC MOTORS, SYNCHRONOUS

Certain features of using synchronous electric motors in agriculture. V. N. Andrianov, E. I. Gorin. *Mekh. i elek. soz. sel'khoz.* 20 no. 6:47-50 '62.

Circle diagrams of the equivalent resistances of asynchronous motors. E. D. Nesogovorova. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 9:1002-1008 '62.

Features of using simplified equations in the calculation of electromechanical transient processes of a synchronous electric motor. I. M. Seryi, A. A. Iankovskii. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 11:1225-1232 '62.

ELECTRIC NETWORK ANALYZERS

House on a quay. Boris Smagin. *Znan. - sliz* 37 no. 11: 25-28 N '62.

Use of computer devices in the harmonic analysis of flux and e. m. f. of a synchronous machine. E. I. Anishechenko, V. M. Kirpichnikov, N. S. Stunov. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 9:985-993 '62.

ELECTRIC NETWORKS

Algorithm for calculating conditional loss probabilities of switching circuits with limited loads. D. N. Lozin-skii. *Probl. pered. inform.* no. 11:88-108 '62.

Choice of the parameters of a network for rectifying the scale of instruments working with logarithmic transducers. V. P. Dubrovnyi. *Avtomatika* 7 no. 6:48-51 '62.

Design of transformer models for studying the quasi-stationary processes in electrical systems. V. V. Kogen-Dal'in. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 8:878-884 '62.

Mode and resistor logic circuits and their design. O. A. Oganov. *Probl. pered. inform.* no. 11:88-97 '62.

Effect of the operating modes of electrical networks on the parameters of piezoelectric capacitors. A. L. Khodakov, V. Z. Borodin. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 11:1260-1268 '62.

Functional and logical characteristics of switching devices and their elements. V. N. Roginskii. *Probl. pered. inform.* no. 11:5-22 '62.

A graphical method for minimizing the number of elements in relay devices with diodes. V. V. Oraztsov. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 11:1265-1273 '62.

High-frequency parameters of the contact networks in mines. V. V. Sviridov. *Izv. vuz. ucheb. zav.; elektromekh.* 5 no. 8:1044-1047 '62.

An impulse signaling device using transistors. Z. F. Rozhanskii and others. *Energetik* 10 no. 12:17-19 D '62.

Nalukovskii, A. A. [Stability of active linearized networks with new types of amplifying devices] *Ustoychivost' aktivnykh linearnizovannykh isopol's uvelitel'nykh priborami novykh tipov.* Moskva, Gosenergizdat, 1962. 191 p.

Operation of switching devices during transient periods. V. N. Roginskii. *Probl. pered. inform.* no. 11:84-88 '62.

Study of switching circuits in group selection operation using a statistical testing technique and an electronic digital computer. A. A. Vdovin, V. P. Shval'ib. *Probl. pered. inform.* no. 11:77-87 '62.

Synthesis of single-cycle potential logic circuits [with summary in English]. V. M. Ozernoi. *Avtom. i telemekh.* 24 no. 1:104-108 Ja '63.

Use of rectifiers in networks with parallel connections. A. G. Chachko. *Energetik* 10 no. 12:8-12 D '62.

ELECTRIC OSCILLATORS see Oscillators, Electric

ELECTRIC POWER

Antipin, L. N., and S. F. Vazhenin. [Saving of electric power in stepped-up production of aluminum] *Ekonomiya elektroenergii pri intensifikatsii proizvodstva aluminia.* Sverdlovsk, Metallurgizdat, 1961. 34 p.

ELECTRIC POWER DISTRIBUTION

(see also subdivision under Russia, Northern)

Analysis of the natural oscillations of a complex electric power system. G. V. Mikhnevich. *Izv. AN SSSR, Old. tekhn. nauk. Energ. i avtom.* no. 6:17-20 N-D '62.

Changes and additions to Chapter II-5 "Overhead power transmission lines with voltages in excess of 1,000 volts" of the "Regulations for the installation of Electric Power Systems." R. A. Golubtsov, A. N. Karasaulidze. *Energetik* 10 no. 12:21-24 D '62.

Choice of an efficient system for carrying the flow between power plants in the prospective development of a consolidated electric utility system. E. E. Lofler. *Izv. AN Kazakh. SSR, Ser. energ.* no. 2:19-27 '62.

Concerning the protection of static condenser batteries and their installation in rooms. B. A. Poljakov. *Energetik* 10 no. 12:27-28 D '62.

Control of the switching speed of oil-filled switches with pneumatic drives. I. A. A. Tsirel', *Energetik* 11 no. 1:18-20 Ja '63.

Discussion of practices in operating electric substations and overhead power transmission lines with 400-500 kv. ratings at a session of a technical committee. *Elek. sta.* 33 no. 10:94-98 O '62.

An efficient electric power distribution network for agricultural regions. B. M. Gamburg. *Energetik* 10 no. 12:8-8 D '62.

Electric power distribution networks should be operated by one agency. I. A. M. Fradkin. *Energetik* 11 no. 1: 3-4 Ja '63.

Electric protection apparatus. *Energetik* 10 no. 12: 32-33 D '62.

F. P. Il'in, an efficiency expert. Sh. L. Ab, P. I. Zotov. *Energetik* 11 no. 1:33-34 Ja '63.

"High-voltage switch drives" by I. G. Korovnikovskii. Reviewed by L. K. Greiner. *Vest. elektroprom.* 34 no. 1: 79 Ja '63.

House on a quay. Boris Smagin. *Znan. - sliz* 37 no. 11: 25-28 N '62.

Minimum calculated cost of electric power transmission lines with different carrying capacity and length. A. M. Ignatieva, E. E. Lofler. *Izv. AN Kazakh. SSR, Ser. energ.* no. 2:11-18 '62.

Phase registration of the disconnection of short-circuits by switches. E. G. Nosach, V. N. Khocholova. *Energetik* 11 no. 1:17-18 Ja '63.

Procedure for disconnecting electric power transformers. A. M. Krivorotov. *Energetik* 10 no. 12:28 D '62.

Separate installation of the common neutral line and the use of armoring or lead sheathing of a cable in the capacity of a common neutral wire. M. R. Naifeld. *Energetik* 10 no. 12:28 D '62.

Storage battery circuit with equalization of the operation of terminal elements. I. A. Sidanov, N. P. Simochatov. *Energetik* 11 no. 1:14-16 Ja '63.

ELECTRIC POWER DISTRIBUTION (Continued)

Svirin, S. I. A. [Electric power plants, substations, and power distribution networks] Elektricheskie stantsii, podstantsii i seti; posobie po kursovomu i diplomnomu proektirovaniu. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 307 p.

Use of mathematical programming methods in the solution of a problem concerning the future development of the consolidated electric utility system. I. M. Markovich, V. P. Brailov, V. I. Denisov. Izv. AN SSSR, Otd. tekhn. nauk, Energ. i avtom. no. 6:11-16 N-D '62.
Work on the transformation and transmission of electromagnetic energy. Vest. AN SSSR 33 no. 1:106 Ja '63.

ELECTRIC POWER DISTRIBUTION—EQUIPMENT AND SUPPLIES

Changes in section 744 "Regulations governing the use of equipment." Elek. sta. 33 no. 10:94 O '62.
Concerning the prohibition of the use of PU-86 adapters. Elek. sta. 33 no. 10:94 O '62.

ELECTRIC POWER PLANTS (see also subdivision under United States)

Auxiliary power supply networks for the self-needs of large condensing electric power plants. L. I. Dvoskin. Elek. sta. 33 no. 10:57-59 O '62.
Awarding the Lenin prize for the best construction of a regional agricultural electric power plant, 1925. A. P. Veselov. Ist. arkh. 0 no. 5:186-202 S-O '62.
Chumachenko, V. N. [Modernization of equipment in operational electric power plants] Modernizatsia oborudovaniia na dostavushchikh elektrostantsiakh. Moskva, Vystavka dostizhenii narodnogo khoz. SSSR, 1962. 24 p.

[MICROFILM]

Concerning A. E. Gelfman's article "Choice of a system for drying wet lignite in large state regional electric power plants." G. A. Ushakov. Energomashinostroenie 6 no. 12:40-41 D '62.

Concerning L. I. Dvoskin's article "Auxiliary power supply networks for the self-needs of large condensing electric power plants." M. S. Ulitkii. Elek. sta. 33 no. 10:90-91 O '62.

Concerning S. E. Shitman's article "Method of accounting for and standardizing the economic and engineering indices of thermal electric power plants." I. N. Butakov. Elek. sta. 33 no. 10:89-90 O '62.

Concerning the choice of thermal electric power plants for systems with long-range regulation. M. A. Styrikovich, E. A. Nargizian. Teploenergetika 10 no. 1: 64-67 Ja '63.

Decrease in superheating of delivered steam. E. L. Aikhenval'd. Energetik 11 no. 1:6 Ja '63.

Design of control boards for block-type power plants. M. P. Shal'man. Elek. sta. 33 no. 10:41-44 O '62.

Design of modern thermal electric power plants with block units. I. A. B. Pain. Energetik 10 no. 12:1-3 D '62.

Escape of gases through pipelines as a result of dust explosions. S. L. Shagalova, V. A. Reznik. Teploenergetika 0 no. 12:19-21 D '62.

F. P. Il'in, an efficiency expert. Sh. L. Ab, P. I. Zotov. Energetik 11 no. 1:33-34 Ja '63.

Measurement of consumption of fuel oil using a doubled diaphragm. Z. I. Geller, V. I. Ashikhmin. Teploenergetika 0 no. 12:76-77 D '62.

Overloading of steam turbines. A. V. Levin, K. A. Spiridonov. Elek. sta. 33 no. 10:26-28 O '62.

Reply to G. A. Ushakov's remarks. A. E. Gelfman, L. E. Apatovskii, V. A. Khalupovich. Energomashinostroenie 6 no. 12:41-42 D '62.

Start of a 50 Mw. block by steam with sliding parameters. B. L. Levchenko, V. N. Shvets. Teploenergetika 10 no. 1:2-8 Ja '63.

A steam and gas system with a high-pressure steam superheater. V. K. Shebalov, T. I. Shpetkova. Energomashinostroenie 6 no. 11:3-6 N '62.

Study of means for the regulation of secondary steam superheating in a 200 Mw. block. G. N. Komel'man, I. B. Król'. Elek. sta. 33 no. 10:10-16 O '62.

Svirin, S. I. A. [Electric power plants, substations, and power distribution networks] Elektricheskie stantsii, podstantsii i seti; posobie po kursovomu i diplomnomu proektirovaniu. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 307 p.

Use of the exhaust steam of a turbo-feed pump in the heat network of a thermal electric power plant. G. A. Khromov. Energetik 11 no. 1:6-7 Ja '63.

ELECTRIC POWER PLANTS—CONGRESSES

Conference devoted to problems of the method of covering varying graphs of electric load and to peak electric power plants. B. K. Alekandrov, N. A. Karaulov. Otd. stroi. 33 no. 11:58-59 N '62.

Scientific and technical conference on problems of fuel drying and grinding in electric power plants. Teploenergetika 0 no. 12:85-86 D '62.

ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Automation of PR-series feed pumps. I. P. Lishchinskii. Elek. sta. 33 no. 10:19-22 O '62.

Characteristics of the ash collectors of electric power plants. Energetik 10 no. 12:33-34 D '62.

Points from technical trade journals. Energetik 11 no. 1:36-37 Ja '63.

ELECTRIC POWER PLANTS—HYDRAULIC MACHINERY

The GN-1200-400 hydraulic pump. A. A. Eliseev. Elek. sta. 33 no. 10:83-85 O '62.

ELECTRIC POWER PLANTS—WATER SUPPLY

Logical placement of sprinkling system reservoirs on a plant site. V. B. Farforovskii. Elek. sta. 33 no. 10: 81-83 O '62.

Spreading of a fully submerged axially symmetric jet. G. A. Petrov. Elek. sta. 33 no. 10:37-40 O '62.

ELECTRIC POWER PLANTS—WATER SUPPLY—BIBLIOGRAPHY see Bibliography—Electric power plants—Water supply

ELECTRIC POWER PRODUCTION (see also subdivision under Ukraine; Ural Mountain region)

Concerning the choice of thermal electric power plants for systems with long-range regulation. M. A. Styrikovich, E. A. Nargizian. Teploenergetika 10 no. 1: 64-67 Ja '63.

In the All-Union Main Power Engineering Administration. Energetik 10 no. 12:30-32 D '62.

A year after the 22d Congress of the CPSU. Energomashinostroenie 0 no. 11:1-2 N '62.

Zhmerin, D. G. [History of the electrification of the U. S. S. R.] Istoriia elektrifikatsii SSSR. Moskva, Sotsekgiz, 1962. 457 p.

ELECTRIC POWER SUPPLY TO APPARATUS

El'mots, N. D. [Electric power supply sources of telecommunication systems] Istechniki elektropitanii ustanovok svyazi. Leningrad, Leningr. elektro-tekhn. in-t svyazi im. M. A. Bonch-Bruyevicha, No. 1. [Chemical sources of electric current] Khimicheskie istochniki toka; uchebnoe posobie, 1962. 77 p.

[MICROFILM]

Electric power supply of grain receiving stations in Orenburg Province. G. Molamid. Muk.-elev. prom. 28 no. 10:3-5 O '62.

Improve the control of the electric power stations of enterprises. D. Masur, V. Belousova. Muk.-elev. prom. 28 no. 10:30 O '62.

A method for constructing dynamic transistor components for nonstationary load conditions. V. I. Ogandzhants, I. I. Plevakov. Sbor. rab. po vop. elektromekh. no. 7: 376-381 '62.

ELECTRIC PROSPECTING

Preliminary calculations based on the theory of guard electrode logging. L. M. Ail'pin. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 9:107-115 S '62.

Using the resistance method in electric prospecting for hydraulic engineering construction in permanently frozen ground. V. P. Dobrovolskii. Merzl. issl. no. 1: 190-207 '61.

ELECTRIC PROTECTION

Automatic AK50-type switches. Vest. elektroprom. 34 no. 1:74 Ja '63.

Electric protection units. Energetik 11 no. 1:37-40 Ja '63.

Electrical protection apparatus. Energetik 10 no. 12: 32-33 D '62.

Network for connecting the switching element of a gas relay. V. M. Vokhmianin. Elek. sta. 33 no. 10:88 O '62.

Phase registration of the disconnection of short-circuits by switches. E. G. Nosoch, V. N. Khocholova. Energetik 11 no. 1:17-18 Ja '63.

ELECTRIC RAILROADS (see also subdivision under Olenok District)

Along the path of technological progress and overall electrification. V. I. Zimin. Elek. i tepl. tsiaga 6 no. 11:1-4 N '62.

Detecting defective insulators on the contact network of electrified railroads. M. E. Boldova, A. M. Tselin. Trudy TSNIME no. 34:71-89 '62.

Mikheev, A. P., I. A. V. Shukshin, and V. A. Dmitriev. [Efficiency of electric and diesel traction in railroad transport] Effektivnost' elektricheskoi i teplovoznoi tiagi na zheleznodorozhnom transporte. Pod red. T. S. Khachaturova i A. P. Mikheeva. Moskva, Gosplanizdat, 1960. 302 p.

ELECTRIC RAILROADS—COMMUNICATION SYSTEMS

Protecting railroad communication cables from corrosion. V. S. Artamonov. Vest. elektroprom. 34 no. 1: 81-84 Ja '63.

ELECTRIC RAILROADS—CURRENT SUPPLY

High voltage transformers in operation. V. M. Iuferev. Put' i put. khoz. 6 no. 12:24-25 '62.

Increase in the operational reliability of phase splitter starter mechanisms of a.c. trains. T. I. Maklakov. Elek. i tepl. tsiaga 6 no. 11:20-21 N '62.

The locomotive crew is credited with saving 150,000 kw.-hrs. of electric power. A. I. Seliverstov. Elek. i tepl. tsiaga 6 no. 11:7 N '62.

Moscow, Vsesoluznyi zaochnyi institut inzhenerov zheleznodorozhnogo transporta. [Voltage regulation in electric power networks] Regulirovanie napriazheniia v elektricheskikh setiakh; uchebnoe posobie po distsipline "Elektricheskie seti i energosistemy" dlia studentov VI kursa spetsial'nosti "Elektrifikatsiia zheleznodorozhnogo transporta." Moskva, 1962. 32 p.

[MICROFILM]

Prokhorov, F. N. [Electric traction and electric power supply of electric railroads] Elektricheskoe khoziaistvo i energosnabzhenie elektricheskikh zheleznnykh dorog. 2., perer. i dop. izd. Moskva, Transzheldorizdat, 1962. 134 p.

Use of the 3,000 voltage current for the electric power supply of passenger trains. V. A. Rakov. Zhel. dor. transp. 44 no. 12:45-47 D '62.

Zaleskii, L. G. [Electric networks for the ER7 electric train] Elektricheskie skhemy elektropoezda ER7. Moskva, Transzheldorizdat, 1962. 53 p. (Biblioteka mashinista elektropoezda)

ELECTRIC RAILROADS—ELECTRIC EQUIPMENT

A stand for adjusting the antislippage protection systems of electric locomotives. N. S. Borisov. Elek. i tepl. tsiaga 6 no. 11:27-29 N '62.

ELECTRIC RAILROADS—EMPLOYEES (see also subdivision under Siberia)

A foreman of a "communist labor workshop." M. A. Fedorov. Elek. i tepl. tsiaga 6 no. 11:19 N '62.

ELECTRIC RAILROADS—ROLLING STOCK

Rubchinskii, Z. M., E. E. Tostoven, and A. P. Shiriaev. [Design, arrangement, and working principles of the rolling stock of multiple-unit trains] Ustroistvo i rabota motorvagonnogo podvzhnogo sostava. Moskva, Transzheldorizdat, 1962. 335 p.

ELECTRIC RAILROADS—SUBSTATIONS

The mercury-arc rectifier has been installed outside the traction substation. L. P. Arkhipov, A. S. Shilov. Elek. i tepl. tsiaga 6 no. 11:12-13 N '62.

A method for protecting the cables of mast-type disconnecting switches. A. F. Achapin. Elek. i tepl. tsiaga 6 no. 11:16 N '62.

ELECTRIC RAILROADS—WIRES AND WIRING

Analyzing the dangerous effect of the a.c. traction overhead network. I. V. Pavlov. Vest. TSNi MPS 21 no. 8: 18-19 '62.

Melting of ice crusts on an a.c. contact network. K. I. Skobelev, M. E. Poljakov. Elek. i tepl. tsiaga 6 no. 11: 8-9 N '62.

Use of the contact network of electrified railroads for high-frequency telecommunications. I. U. A. Morozov. Sbor. rab. po vop. elektromekh. no. 7:326-330 '62.

Zaleskii, L. G. [Electric networks for the ER7 electric train] Elektricheskie skhemy elektropoezda ER7. Moskva, Transzheldorizdat, 1962. 53 p. (Biblioteka mashinista elektropoezda)

ELECTRIC RAILWAY MOTORS

Rosenfeld, V. E., I. P. Isakov, and N. N. Sidorov. [Electric traction] Elektricheskai tsiaga. Moskva, Transzheldorizdat, 1962. 346 p.

Transient process arising when power is suddenly applied to a rotating electric motor. A. E. Alekseev and others. Izv. vys. ucheb. zav.; elektromekh. 5 no. 8:1007-1075 '62.

Wear resistance of the collectors of electric traction motors. P. A. Zolotarev, V. Z. Grebenkin. Vest. elektroprom. 34 no. 1:43-46 Ja '63.

What causes the damage of the armature winding insulation of traction engines. A. A. Skvortsov. Vest. TSNi MPS 21 no. 8:7-11 '62.

Zaleskii, L. G. [Electric networks for the ER7 electric train] Elektricheskie skhemy elektropoezda ER7. Moskva, Transzheldorizdat, 1962. 53 p. (Biblioteka mashinista elektropoezda)

ELECTRIC RAILWAY MOTORS—WINDINGS

Device for measuring the temperature of traction motor windings. I. G. Korlykhanov. Elek. i tepl. tsiaga 6 no. 11:11 N '62.

ELECTRIC RELAYS

Contactless transistor frequency difference relay. V. M. Mashenkov, V. V. Nadezhdin, V. K. Sirotko. Sbor. rab. po vop. elektromekh. 5, 7:349-355 '62.

Differential photorelay. A. M. Kiliakov. Lea. prom. 40 no. 10:5-6 O '62.

A distance-type relay based on the Hall effect. V. M. Mashenkov, V. K. Sirotko. Sbor. rab. po vop. elektromekh. no. 7:355-363 '62.

Electric protection units. Energetik 11 no. 1:37-40 Ja '63.

Functional and logical characteristics of switching devices and their elements. V. N. Roginskii. Probl. pered. inform. no. 11:5-22 '62.

Graphic synthesis of relay circuits. I. A. I. Mekler. Izv. vys. ucheb. zav. mashinost. no. 7:222-234 '62.

A graphical method for minimizing the number of elements in relay devices with diodes. V. V. Obratnov. Izv. vys. ucheb. zav.; elektromekh. 5 no. 11:1265-1273 '62.

An impulse signaling device using transistors. Z. E. Rozhanskii and others. Energetik 10 no. 12:17-18 D '62.

Minimization of the number of states of a switching circuit using the "Ural" universal digital computer. E. A. Butakov, A. D. Zakrevskii. Probl. pered. inform. no. 11:66-76 '62.

Network for connecting the switching element of a gas relay. V. M. Vokhmianin. Elek. sta. 33 no. 10:88 O '62.

ELECTRIC RELAYS (Continued)

Operation of switching devices during transient periods. V.N. Roginskii. Probl. pered. inform. no. 11:34-46 '62.

Relay for protecting d.c. machinery from sparking under the collector brushes. V.S. Povolotskii, A.S. Reizlin. Gor. zhur. no. 5:73 My '62.

Working components for a relay using the Hall effect in a semiconductor. V.K. Sirota. Sbor. rab. po vop. elektromekh. no. 7:363-372 '62.

ELECTRIC RESISTANCE

Contactless method of measuring the electric resistance of nonmagnetic materials. G.I. Aksenov, I.U. S. Bykhovskii, E.M. Minaev. Zav. lab. 20 no. 12:1487-1489 '62.

Variation of the electric resistance of thin metal films during adsorption [with summary in English]. I.U. H. Ptashynskiy, O.A. Panchenko. Ukr. fiz. zhur. 7 no. 10:1073-1082 O '62.

ELECTRIC RESISTORS

High-resistance printed resistors in high-frequency networks. I.U. P. Ermolaev. Izv. vyz. ucheb. zav.; radiotekh. 6 no. 6:714-722 N-D '62.

ELECTRIC SPARK

New data on spectral analysis with prior mass transfer by contact-electric spark. V.S. Basov and others. Izv. AN SSSR, Ser. fiz. 27 no. 1:2-3 Ja '63.

ELECTRIC SUBSTATIONS

Combined transformer substations. S. Iosipian. Tekh. v sel'khoz. 22 no. 11:37-40 N '62.

Svirin, S.A. [Electric power plants, substations, and power distribution networks] Elektricheskoe stanitsi, podstantsii i seti; posobie po kursovomu i diplomnomu proektirovaniu. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 307 p.

ELECTRIC SWITCHGEAR

The ARKS-1 automatic disconnector of mine contact network. N.A. Bilan, I.U. G. Evukhov. Avtom. i prib. no. 4:8-10 O-D '62.

Automatic a.c. switches for operation on increased frequencies. A.M. Bela-Belov. Vest. elektroprom. 34 no. 1:8-12 Ja '63.

Automatic AK60-type switches. Vest. elektroprom. 34 no. 1:74 Ja '63.

Control of the switching speed of oil-filled switches with pneumatic drives. I.A. A. Tsiel'p. Energetik 11 no. 1:18-20 Ja '63.

"High-voltage switch drives" by I.G. Korovinavskii. Reviewed by L.K. Greiner. Vest. elektroprom. 34 no. 1:70 Ja '63.

Increasing the strength of MKP-200 oil-filled switches. N.P. Smochatov. Elek. sta. 33 no. 10:83-85 O '62.

Redesigning of the drive of the MKP-274 switch. N.V. Nikolaeva, V.M. Alekhin. Energetik 11 no. 1:20-22 Ja '63.

Release plug for MG-110 and VMD-35 switches. I.U. D. Piskunov, V.M. Kovalenko. Energetik 11 no. 1:16-17 Ja '63.

Switching capability of OD-220 electric isolators. I.S. Belen'kii. Elek. sta. 33 no. 10:70-72 O '62.

Voltampere characteristics of p-n-p-n transistor devices in "on" state. V.A. Kuz'min. Radiotekh. i elektron. 8 no. 1:171-177 Ja '63.

Wiper-type slip rings with silver-tipped contacts. A.S. Andreev. Avt. prom. 28 no. 11:31-32 N '62.

ELECTRIC SWITCHGEAR—TESTING

Standardization of voltage recovery with commercial frequency during the testing of switches. V.V. Kaplan, V.M. Nashatyr'. Vest. elektroprom. 34 no. 1:84-86 Ja '63.

ELECTRIC TRANSFORMERS

Calculation of dissipation resistance of a static phase splitter. M.M. Barinkadze, L.Sh. Dzhanlidze. Izv. vyz. ucheb. zav.; elektromekh. 5 no. 9:974-977 '62.

Concerning the exhaust pipe of an electric power transformer. T.P. Musatov. Elek. sta. 33 no. 10:87-88 O '62.

Design of transformer models for studying the quasi-stationary processes in electrical systems. V.V. Kogen-Dalin. Izv. vyz. ucheb. zav.; elektromekh. 5 no. 9:978-984 '62.

Determination of the output characteristics of a compounding three-winding transformer. V. Glukhov, R. Smidov. Izv. AN Latv. SSR no. 10:75-88 '62.

Economic operating conditions of transformers under nonsymmetrical voltage. I.V. Karpov, H. IA. Kysen'. Vysnyk sil'hop. nauky 5 no. 12:15-19 D '62.

Errors of rotating transformers. G.D. Khilapin. Priboirostroenie no. 12:3-5 D '62.

High voltage transformers in operation. V.M. Iuterev. Put' i put. khoz. 6 no. 12:24-25 '62.

Mechanical properties of cardboard used in electric transformer. S.I. Lur'ko, L.I. Mu'man. Vest. elektroprom. 34 no. 1:46-50 Ja '63.

Permissible moisture level of electric transformer insulation. V.N. Zvezdskii, G.B. Izraelit, M.G. Lotitsanskii. Elek. sta. 33 no. 10:80-82 O '62.

Procedure for disconnecting electric power transformers. A.M. Krivorotov. Energetik 10 no. 12:20 D '62.

Work on the transformation and transmission of electromagnetic energy. Vest. AN SSSR 33 no. 1:106 Ja '63.

ELECTRIC TRANSFORMERS—COOLING

Automatic start of transformer cooling fans. A.F. Petrusenko. Energetik 11 no. 1:23 Ja '63.

ELECTRIC TRANSFORMERS—MAINTENANCE AND REPAIR

Vorlanov, G. Ia., V.V. Verner, and V.M. Serebrnikov. [A manual for electricians and repairmen] Elektro-montazh-remontnik. Moskva, Proftekhizdat, 1962. 222 p.

ELECTRIC WELDING

(see also subdivision under Minsk)

Automatic welding of segmental branch pipes. Mashino-stroenie no. 5:61-63 S-O '62.

Olsmanenko, D. L. [Welding and cutting of metals] Svarka i rezka metallor. Izd. 5., perer. Moskva, Proftekhizdat, 1962. 447 p.

MPA welds. I. Symonovych. Znan. ta pratsia no. 12:26-27 D '62.

Optima parameters of the arc welding circuit for welding in an atmosphere of carbon dioxide with periodic short-circuiting of the arc. I.U. M. Kashurnikov, M. Sh. Dobrushin. Svar. proizv. no. 7:5-8 Ji '62.

Reconditioning by welding of a cast iron transmitter pipeline. K.N. Kravchenko. Svar. proizv. no. 7:31-32 Ji '62.

Residual stresses occurring during the building-up of small-diameter cylindrical parts. V.A. Kakusvitskii, A.S. Silkin. Mashinoostroenie no. 5:63-66 S-O '62.

Sarafanov, S. G., and others. [Electric welding equipment and automation of welding operations in the construction industry] Elektrosvarochnoye oborudovanie i avtomatizatsiya svarochnykh rabot v stroitel'stve. Pod red. S.G. Sarafanova. Leningrad, Gosstroizdat, 1962. 350 p.

Setting work norms in vibration resistance welding. A. Liubchenko. Tekh. v sel'khoz. 22 no. 11:87-88 N '62.

Velocity of the arc in an electric arc heater [with summary in English]. V.I. Krylovich. Inzh. -fiz. zhur. 6 no. 1:114-117 Ja '63.

Welding fires. L. Lifshits. Sem'ia i shkola 18 no. 1:24-25 Ja '63.

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

(see also subdivision under Great Britain)

Experimental investigation of power parameters of electric pipe welding machines. P.I. Polukhin, and others. Sbor. inst. stali i splav. no. 40:451-459 '62.

The MSCO-500 machines for rim welding and the MSHPL-200/500 machines for seam welding of bands. V.E. Kleiner. Blul. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:30-32 '62.

Modernizing an AP-9 torch. N.T. Mel'nichenko. Svar. proizv. no. 7:31 Ji '62.

Possibility of using the VSG-3A rectifier for welding in an atmosphere of carbon dioxide. M.S. Rostoshinskii. Svar. proizv. no. 7:35-36 Ji '62.

Use of VAGG-12-800 and VAGG-15-600 rectifiers for welding. M.M. Likhachev. Svar. proizv. no. 7:34-35 Ji '62.

VSR-300 and VS-600 rectifiers for welding operations. V.G. Ushin. Svar. proizv. no. 7:32-34 Ji '62.

ELECTRIC WIRE

Nominiformity of thermoelectrode platinum and platinum-rhodium wires. B.K. Bragin. Trudy inst. Kom. stand., mer i izm. prib. no. 51:85-88 '61.

ELECTRIC WIRING

Use of a steel-stranded line. L.A. Tsiiperman. Svetotekhnika 8 no. 12:26-27 D '62.

Ways to increase specialization of sanitary engineering and electric wiring work. V.I. Antipin. Transp. stroit. 12 no. 12:31-32 D '62.

ELECTRIC WIRING—EQUIPMENT AND SUPPLIES

Attachments and tools for electric wiring. Sel', stroit. no. 12:23-24 D '62.

ELECTRIC WIRING, INTERIOR

Efficient method of wiring. Sel', stroit. no. 12:22 D '62.

Installing electric wiring in completely precast apartment houses. I.T. Pakhomov. Stroit. i arkhitekt. Len. 25 no. 1:30-32 Ja '63.

ELECTRICITY

Path to invisible treasure. A. Semenov. V mire knig 2 no. 11:7 N '62.

ELECTRICITY—EXPERIMENTS

Experiments on the subject "Inductiveness and capacitance of an a.c. circuit." A. Kvantau. Nar. sav. no. 12:29-34 D '62.

ELECTRICITY—PHYSIOLOGICAL EFFECT

Effect of some physical factors on the susceptibility of fishes to direct electric current. I.U. A. Kholodov, K.B. Akhmedov. Trudy Belomor. biol. sta. MGU 1:256-261 '62.

ELECTRICITY IN AGRICULTURE

Certain features of using synchronous electric motors in agriculture. V.N. Andrianov, E.I. Gorin. Mekh. i elek. sots. sel'khoz. 20 no. 6:47-50 '62.

Problems in the electrification of agriculture. T. Stral'skaya. Vest. sel'khoz. nauki 7 no. 11:155-158 N '62.

Spark and the ear. B. Zubkov. Znan. -sila 37 no. 10:28-28 O '62.

Use of the inverse synchronous field in single-phase electrical machines. M.V. Antonov, I.P. Kopylov, V.I. Radin. Izv. vyz. ucheb. zav.; elektromekh. 5 no. 9:994-1001 '62.

ELECTRICITY IN AGRICULTURE—CONGRESSES

A conference held at the Central Scientific Research Institute for Agricultural Mechanization and Electrification. Mekh. i elek. sots. sel'khoz. 20 no. 6:20 '62.

ELECTRICITY IN AGRICULTURE—STATISTICS

Butorin, I.M. [Statistics of the mechanization and electrification of agriculture]. Statistika mekhanizatsii i elektrifikatsii sel'skogo khozaiatva. Moskva, Gosstatizdat, 1962. 120 p. (MI)

ELECTRICITY IN MINING

(see also subdivision under United States)

High-frequency parameters of the contact networks in mines. V.V. Sviridov. Izv. vyz. ucheb. zav.; elektromekh. 5 no. 8:1044-1047 '62.

Study of the possibility of breaking rocks with high-frequency currents. V.M. Semenov. Mekh. i avtom. v gornoi prom. no. 2:325-334 '62.

ELECTRICITY IN MINING—SAFETY MEASURES

Problems in the theory and design of sparkproof electric circuits. B.A. Petrenko. Mekh. i avtom. v gornoi prom. no. 2:334-353 '62.

Study of spark prevention in nonreactive and inductive electrical networks. B.M. Chelverov. Mekh. i avtom. v gornoi prom. no. 2:353-374 '62.

ELECTRICITY ON SHIPS

Automatic control of marine electric power plants. V.N. Konstantinov. Sudostroenie 28 no. 10:26-30 O '62.

Reliability of the electrical equipment of ships. K.V. Nedalkov. Mor. sbor. 48 no. 1:88-70 Ja '63.

Some characteristics of torsion meters for use on ships. N.V. Alfaroza. Trudy TSNIMF 6 no. 42:58-63 '62.

ELECTRICITY ON SHIPS—BIBLIOGRAPHY see Bibliography—Electricity on ships

ELECTRIFICATION

(see also subdivision under Ukraine)

The most important factor in the economic development of communist society. V. Ivashin. Komm. Bel. 36 no. 12:25-30 D '62.

Syromiatnikov, L.A. [Electrification is well on its way; power transmission lines] Elektrichestvo v puti; knizhka elektropredachi. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya; Tekhnika, no. 1)

Zhimerin, D.G. [History of the electrification of the U.S.S.R.] Istoriia elektrifikatsii SSSR. Moskva, Sotssekgiz, 1962. 457 p.

ELECTROACOUSTICS

On the method of pulse-magnetic and acoustic spectroscopy. U.Kh. Kopvillem, R.M. Minesva. Izv. AN SSSR, Ser. fiz. 27 no. 1:93-95 Ja '63.

Use of magnetic and acoustic spectroscopy for the structural analysis of high-melting crystals. U.Kh. Kopvillem. Izv. AN SSSR, Ser. fiz. 27 no. 1:95-97 Ja '63.

ELECTROCARDIOGRAPHY

Characteristics of electrocardiography in athletes [with summary in English]. V.V. Bulychev. Vop. kard. 2-go MGMI no. 2:241-244 '62.

Electrocardiographic changes in patients with mitral stenosis before and after a commissurotomy [with summary in English]. V.V. Solov'ev. Vop. kard. 2-go MGMI no. 2:265-268 '62.

Electrocardiography of the fetus in the obstetrics clinic. I.V. D'mn, L.S. Pershinov, G.M. Savel'eva. Vest. AN SSSR 17 no. 11:36-40 '62.

Phonocardiogram of mitral stenosis patients before and after a commissurotomy [with summary in English]. V.V. Solov'ev. Vop. kard. 2-go MGMI no. 2:223-240 '62.

ELECTROCHEMISTRY

Correlations between some thermodynamic electronic and electrochemical properties of metals. Part 1: Relation between work functions, zero charge potentials, and free energies of the metallic lattices [with summary in English]. N.E. Khomutov. Zhur. fiz. khim. 36 no. 12:2721-2726 D '62.

Electrochemical investigation of indium-gold amalgams. A.I. Zebrev, S.A. Levitskaya. Zhur. fiz. khim. 36 no. 12:2769-2803 D '62.

Electrochemical properties of welded joints in 16-8 type steel with titanium and niobium addition alloys. G.I. Agapov, V.B. Vladimirov. Svar. proizv. no. 7:11-12 Ji '62.

Isotope method for studying the mechanism of the electrolytic formation of perchlorate. I.F. Franchuk. Izv. AN SSSR, Otd. khim. nauk no. 1:63-66 '63.

ELECTRODES

- Distortion of the form of carbon electrodes in electrical furnaces. P. V. Sergeev. Izv. AN Kazakh SSR, Ser. energ. no. 2:39-46 '62.
- Dynamics of the electric erosion of metals. K. K. Namitkov. Ukr. fiz. zhur. 7 no. 10:1145-1147 O '62.
- Effect of a supporting electrode material and of a third component on the relative intensity of the analytical pairs of lines of bronze elements [with summary in English]. G. V. Ovechkin. Zhur. anal. khim. 17 no. 6: 660-664 S '62.
- Effect of the material of the supporting electrode on the ratio of elements in the vaporous phase in spectrum analysis of ferrous metals [with summary in English]. O. I. Nikitina and others. Ukr. fiz. zhur. 7 no. 5:523-530 My '62.
- Structure and composition of individual erosion pits on electrode surfaces caused by pulse discharges. K. K. Namitkov. Ukr. fiz. zhur. 7 no. 10:1130-1141 O '62.
- Studying the formation of a beam of accelerated particles in a proton-synchrotron by means of induction electrodes. G. S. Kazanski and others. Atom. energ. 14 no. 2:153-158 F '63.

ELECTRODES, DROPPING MERCURY

- Dependence of the concentration of metal in the mercury drop on the time of enrichment with account of solution depletion. L. N. Vasil'eva, E. N. Vinogradova. Zav. lab. 28 no. 12:1427-1428 '62.
- Electrochemical behavior of tetra- and pentavalent vanadium on a platinum microelectrode [with summary in English]. Zhur. anal. khim. 17 no. 8:704-710 S '62.

ELECTRODES, IRON

- Mechanism of the anodic dissolution of iron in the electropolishing electrolyte at low polarizing current densities. G. S. Vozdvizhenskiy, I. I. Sozin. Zhur. fiz. khim. 36 no. 12:2784-2795 D '62.
- Relation between hydrogen overvoltage and the ampere-hour capacity of porous iron electrodes. V. S. Porolkova, O. L. Rosenthal. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:788-792 '62.

ELECTRODES, PLATINUM

- Catalytic and electrolytic hydrogenation of organic compounds on platinum. Part 3: Charging cycles of a platinum-platinum in the presence of propyl alcohol. T. I. Pochekina. Zhur. fiz. khim. 36 no. 12:2751-2754 D '62.
- Electrodeposition of Am and Cm from aqueous solutions on a platinum cathode. A. G. Samarskaya. Radiokhimiya 4 no. 6:695-700 '62.
- Sealed electrodes sealed in glass. R. L. Babkin. Zav. lab. 28 no. 12:1531-1532 '62.

ELECTRODES, THALLIUM

- Electroreduction of anions and adsorption phenomena on a dropping thallium amalgam electrode. A. N. Frumkin and others. Dokl. AN SSSR 147 no. 4:878-881 D '62.

ELECTRODYNAMICS

- Method for solving axisymmetrical problems of the electrodynamics of a gyrator medium. D. N. Chetayev. Radiotekh. i elektron. 8 no. 1:64-72 Ja '63.
- Regularization of the classical equations of electrodynamics [with summary in English]. A. S. Kompaneets. Zhur. eksp. i teor. fiz. 43 no. 6:2185-2187 D '62.

ELECTROENCEPHALOGRAPHY

- Comparative electrophysiology study of the brain in a series of vertebrates. G. D. Smirnov, I. B. Mantel'fel't. Usp. sov. biol. 54 no. 3:309-332 N-D '62.
- Electroencephalographic expression of the work of brain lobes in perceiving light complexes. E. A. Golubova. Dokl. APN no. 1:105-108 '62.
- Frequency analysis of various intervals of alpha-rhythm depression on a background and with the presentation of a stimulus. M. B. Mikhailovskaya. Dokl. APN no. 2: 115-118 '62.
- Methods and systems of the automatic analysis of brain biopotentials [with summary in English]. V. V. Nobyl'tsyn. Vop. psichol. 8 no. 4:58-73 JI-Ag '62.

ELECTROENCEPHALOGRAPHY—EQUIPMENT AND SUPPLIES

- An electronic band filter for an electroencephalograph analyzer. V. V. Semenov and others. Sbor. rab. po vop. elektromekh. no. 7:373-375 '62.

ELECTROKYMNOGRAPHY

- Electrokymogram of patients suffering from chronic coronary insufficiency [with summary in English]. L. L. Orlov, O. S. Gushchina. Vop. kard. 2-go MGMI no. 2:101-127 '62.
- Electrokymogram of patients suffering from chronic pulmonary and cardiopulmonary insufficiency [with summary in English]. I. U. I. Akimov, M. N. Malova, L. L. Orlov. Vop. kard. 2-go MGMI no. 2:129-138 '62.
- Electrokymogram of patients suffering from rheumatic heart disease [with summary in English]. I. U. I. Akimov. Vop. kard. 2-go MGMI no. 2:53-59 '62.
- Normal electrokymogram and its characteristics in athletes [with summary in English]. I. U. I. Akimov, L. L. Orlov, V. V. Bulichev. Vop. kard. 2-go MGMI no. 2:19-51 '62.

ELECTROLYSIS

- Anode-shift transducer of an aluminum electrolyzer. I. U. I. Georgievskiy. Avtom. i prib. no. 4:85-87 O-D '62.
- Effect of silicon and potassium chloride on the production of potassium permanganate by electrolysis. M. I. A. Gidzishvili, R. I. Agladze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:13-26 '62.
- Electrochemical preparation of sodium permanganate. G. M. Domanskaya. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:27-37 '62.
- Electrolysis of organotin compounds. A. Sh. Avaliani. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:67-72 '62.
- Electrolyte for the preparation of metallic sodium. S. V. Vasil'ev, A. D. Chukushkin. Khim. v shkole 17 no. 6: 65-66 N-D '62.
- Kinetics of the burning out of sulfur in slags during the passage of a direct electric current. A. A. Dobryden', O. A. Esin, S. K. Chuchmarov. Izv. vys. ucheb. zav.; Chern. met. 5 no. 12:12-19 '62.
- Mass-transfer coefficient in the electrolysis of aqueous solutions of CuSO_4 and ZnSO_4 calculated from the refractographic method data. E. I. Grabova, Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:743-748 '62.
- Near-the-electrode luminescence in an electrolytic cell. V. V. Mikho. Izv. vys. ucheb. zav.; fiz. no. 6:99-104 '62.
- New method of removing suspended particles from fruit and berry juices. G. N. Gasiuk, B. M. Matov. Trudy MNIPP 1:63-73 '61.
- Preparation of hydrogen and potassium permanganate by the anodic solution of ferromanganese. R. I. Agladze, M. I. A. Gidzishvili. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:3-11 '62.
- Production of calcium permanganate by electrolysis. I. G. Borishvili. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:57-65 '62.
- Selecting a diaphragm for the electrolysis of manganese sulfate. E. M. Ungladze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:87-91 '62.
- Treatment of grapes with increased frequency currents. G. N. Gasiuk, B. M. Matov. Trudy MNIPP 1:45-48 '61.

ELECTROLYTE SOLUTIONS

- Effect of the composition of a solution on the diffusion rate of electrolytic hydrogen through metallic diaphragms. Part 1: Diffusion of hydrogen through iron diaphragms [with summary in English]. I. A. Bagotskaya. Zhur. fiz. khim. 36 no. 12:2607-2673 D '62.
- Effect of the dielectric constant of the solvent on the viscosity of electrolyte solutions [with summary in English]. E. A. Gorenstein. Ukr. fiz. zhur. 7 no. 8: 887-892 Ag '62.
- Faraday's rectification in a binary electrolyte solution. V. G. Lavich, B. M. Grafov. Dokl. AN SSSR 147 no. 6: 1402-1405 D '62.
- Infrared spectra of certain nonaqueous electrolytic solutions [with summary in English]. I. S. Perelygin. Ukr. fiz. zhur. 7 no. 8:810-814 Ag '62.
- Investigation of solutions by high-frequency methods. Part 4: Frequency of the measuring generator as dependent on the conductance and dielectric constant of electrolyte solutions. P. A. Zangorets, N. I. Smirnov, V. I. Brumakov. Zhur. fiz. khim. 36 no. 12:2743-2748 D '62.
- Measurement of the dielectric permeability and conductivity of electrolyte solutions in the superhigh frequency range. P. S. Iastremakii. Uch. zap. Volg. gos. ped. inst. no. 11:92-97 '60.
- Principal laws governing the distribution of electrolyte ions between liquid and solid solvents. V. T. Chaiko. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:680-702 '62.
- Thermal conductivity of aqueous solutions of electrolytes as a structure-sensitive property [with summary in English]. H. V. Lytyvnenko, I. V. Radchenko. Ukr. fiz. zhur. 7 no. 5:539-548 My '62.
- Viscosity of mixtures of aqueous solutions of electrolytes [with summary in English]. V. S. Galinker, V. A. Tigal, G. N. Fenerli. Zhur. fiz. khim. 36 no. 12: 2830-2843 D '62.

ELECTROLYTES

- Distribution of metal on the cathode surface in alkaline electrolytes used for tin plating. M. E. Lerner, A. N. Shirayeva, N. M. Fomenko. Mashinostroenie no. 5:69-71 S-O '62.
- Effect of the electrolyte mixture on the double layer capacity in fused salts. E. A. Ushke, N. G. Bukun, D. I. Leika. Izv. AN SSSR, Old. khim. nauk no. 1:31-39 '63.
- Nature of absorption of electrolytes by some precipitates. I. U. V. Egorov, E. I. Krylov. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:749-752 '62.
- Removal of iron and other metallic impurities from spent chromate electrolytes. T. V. Jonatamishvili. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:93-104 '62.
- Separation of metallic titanium from cathode deposits obtained by the electrolysis of $\text{K}_2\text{TiF}_6 - \text{NaCl} - \text{TiO}_2$. V. B. Miroshnikov, V. A. Roznichenko. Titan i ego splavy no. 5:214-219 '62.
- Some characteristics of the electric breakdown of electrolytes. N. P. Mel'nikov, G. A. Ostrovskiy, A. A. Shteinberg. Dokl. AN SSSR 147 no. 4:822-825 D '62.

ELECTROLYTIC POLISHING—EQUIPMENT AND SUPPLIES

- Automatic anodizing machine. V. N. Belikov, I. A. Moiseev. Mashinostroitel' no. 12:8-9 D '62.

ELECTROMAGNETIC WAVES

- Electromagnetic waves in a rectangular wave guide with two ferrite plates. D. N. Pokusin. Radiotekh. i elektron. 8 no. 1:73-83 Ja '63.
- Geometrical optics of anisotropic impedance surfaces. I. U. A. Zaitsev. Radiotekh. i elektron. 8 no. 1:57-63 Ja '63.
- Quantum methods of amplification and generation of electromagnetic waves. I. A. Derlugin. Dos. such. fiz. no. 6:200-227 '62.

ELECTROMAGNETIC WAVES—DIFFRACTION

- Experimental study of the diffraction of an electromagnetic wave by a system with a periodic structure. D. K. Kyvadze. Trudy Inst. geofiz. AN Gruz. SSR 20: 37-55 '62.

ELECTROMAGNETISM

- Electromagnetic fluctuations in the terrestrial pole. M. A. Gintsburg. Geomag. i aer. 2 no. 6:1142 N-D '62.

ELECTROMECHANICAL ANALOGIES

- Solution of some problems by new methods using electric models with d. c. amplifiers [in Georgian with summary in Russian]. L. G. Garmkhitashvili and others. Trudy Vych. tsentra AN Gruz. SSR 2:319-334 '62.

ELECTROMETER

- A possible method for measuring the concentration of ions generated by hydroionizers. M. I. Korsunskiy, M. B. Reznik, R. M. Truten'. Izv. vys. ucheb. zav.; fiz. no. 6:152-156 '62.
- A universal electrometer for lecture demonstrations. V. M. Dukov. Izv. vys. ucheb. zav.; fiz. no. 6:170-171 '62.

ELECTROMOTIVE FORCE

- Electromotive force of a pair of metals compressed by a shock wave. V. S. Ilukhin, V. N. Kologrivov. PMTF no. 5:175-176 S-O '62.

- Electron potentialstat with high current efficiency. A. K. Samylin, E. S. Sidash. Zav. lab. 28 no. 12:1510-1512 '62.
- Glass cell with conducting walls for measuring the contact difference of potentials. V. A. Llando and others. Kin. i kat. 3 no. 5:784-790 S-O '62.
- Thermoelectromotive forces and conductance of vanadium and niobium pentoxides [with summary in English]. A. I. Manakov, O. A. Esin, B. M. Lepinskikh. Zhur. fiz. khim. 36 no. 12:2734-2740 D '62.

ELECTRON BEAMS

- Formation of a relativistic ribbon beam of charged particles. V. P. Ignatenko. Radiotekh. i elektron. 8 no. 1: 127-129 Ja '63.
- Study of magnetic and electric fields in a gaseous medium with the aid of electron beams. A. M. Trokhan. PMTF no. 4:80-84 JI-Ag '62.

ELECTRON DIFFRACTION APPARATUS

- With the help of super-high-speed electrons. N. M. Popov. Nauka i zhizn' 20 no. 11:54-57 N '62.

ELECTRON DIFFRACTION EXAMINATION

- Electron and X-ray diffraction study of the structure of thermally treated cadmium sulfide powders. K. V. Shalimova, A. F. Andrusheko. Kristallografiya 7 no. 3:371-373 My-Je '62.
- A method for taking the background into account in electron diffraction studies of the structure of amorphous substances. A. I. Andriyevskiy, I. D. Nabitovich, I. A. V. Voloshchuk. Kristallografiya 7 no. 3:350-352 My-Je '62.
- Phase structure of the system Ni - Te in thin films. G. G. Dvorankina, Z. G. Pinsker. Kristallografiya 7 no. 3:460-461 My-Je '62.

- Structure of thin coatings of cadmium selenide sprayed on faces (100) and (110) of rock salt single crystals. I. P. Kalinkin and others. Fiz. tvor. tela 5 no. 1:124-128 Ja '63.
- Study of rhombohedral tungsten nitride and its crystallochemical affinity with other nitrides. V. I. Khitrova. Kristallografiya 7 no. 3:374-378 My-Je '62.

ELECTRON MICROSCOPE

- Electromagnetic stigmatizer to the objective lens of the UEM-100 electron microscope. I. U. N. Petrov, V. V. Iaremchuk. Zav. lab. 28 no. 12:1523-1524 '62.
- Electron microscope studies of the form and internal structure of Ca(OH)_2 separated out from supersaturated solutions. M. I. Strelkov, Z. P. Chumak. Stroi. mat. 8 no. 12:36-38 D '62.

- The UZDV-2 ultrasonic disperser for the preparation of objects for electron microscopes. I. I. Cheremisin, A. I. Serbimovskiy. Avtom. i prib. no. 4:87-88 O-D '62.

ELECTRON MICROSCOPY

- Electron microscope study of nickel and nichrome polygonization. M. P. Usikov, L. M. Uteva. Fiz. tver. tela 5 no. 1:100-107 Ja '63.
- Electron microscopic investigation of normal and pathological skin of man. Report No. 1: Epidermal cell. Bizzozzi's nodes, nucleus, nuclear membranes. A. I. A. Prapachuk, A. I. Uchanka. Vest. AN BSSR, Ser. biol. nav. no. 3:84-82 '62.
- "Step" formation fracture surfaces during the brittle failure of commercial-grade iron. B. S. Kasatkin, Zh. N. Strizheus. Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl. no. 6:112-124 N-D '62.
- With the help of super-high-speed electrons. N. M. Popov. Nauka i zhizn' 29 no. 11:54-57 N '62.

ELECTRON MICROSCOPY—BIBLIOGRAPHY see Bibliography—Electron microscopy

ELECTRON MICROSCOPY—CONGRESSES

- Conference on electron microscopy. A. N. Studitskii. Izv. AN SSSR, Ser. biol. no. 6:935-940 N-D '62.

ELECTRON TUBES

- Attachment to a 25-l oacillograph for recording sets of characteristics of semiconductor triodes and diodes. D. S. Lepavertidze, A. M. Morozov. Trudy Vych. tsentra AN Gruz. SSR 2:345-351 '62.
- Concerning one method for studying cathode sputtering. V. I. Veksel'. Radiotekh. i elektron. 8 no. 1:145-152 Ja '63.
- Operating modes, parameters, and performance of receiving tubes. A. Azat'yan. Radio no. 1:35-37, 57 Ja '63.
- Turkulets, V. I., and N. P. Udalov. [Photodiodes and phototubes] Fotodiody i fototuby. Moskva, Gosenergizdat, 1962, 62 p. (Biblioteka po avtomatike, no. 64)

[MICROFILM]

ELECTRONIC AMPLIFIERS see Amplifiers (Electronics)

ELECTRONIC ANALOG COMPUTERS

- High-power ferrite-transistorized decoder with a short-circuited turn for 312 outputs. V. K. Sinelnik, A. N. Losenko. Avtom. i prib. no. 4:38-41 O-D '62.
- Modeling the parameters of ore dressing processes with use of rapid calculating machines. M. Benesh. TSvet. met. 35 no. 9:21-28 S '62.
- Repeated use of functional units during the problem-solution process in continuous electronic computers. S. R. El'kin. Priboirostroenie no. 12:12-13 D '62.
- Some methods of simulating systems of linear algebraic equations with an arbitrary matrix using analog computers. G. D. Klochkov, I. A. Nikolaev. Izv. vyz. ucheb. zav.; elektromekh. 5 no. 11:1286-1300 '62.

ELECTRONIC APPARATUS AND APPLIANCES see sub-division under Yalka

ELECTRONIC APPARATUS AND APPLIANCES—TESTING

- Electronic machines for testing super-high speed radio impulse elements with discrete action. M. S. Neiman. Izv. vyz. ucheb. zav.; radiotekh. 5 no. 6:663-671 N-D '62.

ELECTRONIC COMPUTERS

- A certain method for obtaining random numbers. V. I. Neiman, IU. V. Paramonov. Probl. pered. inform. no. 11:117-123 '62.
- Computations for the design of power transmission systems performed by electronic computers. B. N. Pashchuk. Zhur. vych. mat. i mat. fiz. 2 no. 5:942-947 S-O '62.
- Desk calculating center. Nauka i zhytlya 12 no. 7:20 JI '62.
- Kolyvagin, A. A. [Automation of computing operations] Avtomatizatsiya vychislitel'nykh robot. Moskva, Mashgiz, 1962, 502 p.
- The mail-order business should have electronic machines. M. Kokorev, S. Lushin. Sov. tovg. 38 no. 11:23-25 N '62.
- Make room for calculating equipment! A. Miskavich. Mol. komm. no. 12:51-55 D '62.
- Mathematical methods and electronic computers in economics and planning. V. Kosov, IU. Finkel'shtein, A. Medin. Plan. khoz. 40 no. 2:92-98 F '63.
- A method for calculating statistical characteristics with a TBM tabulator. I. G. Gionti, M. A. Svanidze. Trudy Vych. tsentra AN Gruz. SSR 2:330-343 '62.
- A method simplifying the mechanization of the numerical solution of certain problems. A. R. Khvoles, I. G. Sakhanashvili. Trudy Vych. tsentra AN Gruz. SSR 2:315-318 '62.
- Organization of a computing center at an industrial enterprise. V. Nazarov. Bukh. uch. 19 no. 12:24-29 D '62.
- [Parameters. Translated from the English and Japanese] Parametry. Moskva, Izd-vo inostr. lit-ry, 1962, 331 p.
- Selecting a work organization diagram for river craft crews with the aid of electronic calculating machines. S. Sutekli, E. Shaposhnikov. Blul. nauch. inform. i trud. i zar. plat. 5 no. 4:13-18 '62.
- Solution of some problems by new methods, using electronic models with d. c. amplifiers [in Georgian with summary in Russian]. L. G. Gamkhitashvili and others. Trudy Vych. tsentra AN Gruz. SSR 2:319-334 '62.

Synthesis of a class of computers. M. V. Rybashov. Dokl. AN SSSR 147 no. 6:1304-1305 D '62.

Thinking and cybernetics [with summary in English, p. 182]. V. M. Glushkov. Vop. filos. 17 no. 1:36-48 '63.

Use of electronic calculating machines for the investigation of ores on their ability to undergo concentration. L. A. Barskii. TSvet. met. 35 no. 9:8-11 S '62.

Use of electronic models in the performance of certain relay-type functions [in Georgian with summary in Russian]. N. P. Kandelaki, G. G. Okroashvili. Trudy Vych. tsentra AN Gruz. SSR 2:335-338 '62.

Utilizing the Ascot-Robotron-12 for the accounting of goods. Z. Drozdova, IA. Sokolov. Bukh. uch. 19 no. 12:30-33 D '62.

ELECTRONIC COMPUTERS—BIBLIOGRAPHY see Bibliography—Electronic computers

ELECTRONIC CONTROL

- Attachment to an amplitude pickup for controlling discrete values. I. V. Mazurenko. Stan. i instr. 33 no. 12:25-27 D '62.
- Automatic discharging of operations of a pushing overhead conveyor. M. I. Rabinovich. Mekh. i avtom. proizv. 18 no. 12:45-47 D '62.
- Control of technological parameters by means of electron-beam indicators. I. P. Makashov, E. A. Polegava. Avtom. i prib. no. 4:36-38 O-D '62.
- Control systems of selective weighing with potentiometer-type weight transducers. B. I. Andrushukov, V. V. Bazilevich, I. A. Troitskii. Mekh. i avtom. proizv. 16 no. 12:28-35 D '62.
- Corrector of the movement of asynchronous clocks. S. S. Tovchigrechko. Priboirostroenie no. 12:30 D '62.
- The EER-2 electronic optimalizing controller. B. M. Kalkov. Avtom. i prib. no. 4:17-21 O-D '62.
- Electronic control of fuel injections. V. Koganov, A. L. Lisitsyn, B. Svidler. Za ruL. 20 no. 12:22-23 D '62.
- Electronic hydraulic regulators designed by the "Teplovotom" Plant. IU. S. Gornel'skii, V. M. Gorokhov. Priboirostroenie no. 12:20-23 D '62.
- Multiple-purpose magnetic logical units in automatic control systems. I. S. Eremeev. Priboirostroenie no. 12:17-18 D '62.
- Noncontact inductive regulator. I. R. Lihetskii. Avtom. i prib. no. 4:50-53 O-D '62.
- Photoelectric automat for the control of electric street lights. A. Vasilenko, IE. Blomkvist. Nauka i zhytlya 12 no. 7:55-56 JI '62.
- Possibility for extending the use of a set of infrared-frequency devices. V. A. Lukes, I. P. Petrov. Priboirostroenie no. 12:29 D '62.
- Stabilizing the speed of an electric motor. R. M. Trakhtenberg. Avtom. i prib. no. 4:21-25 O-D '62.

ELECTRONIC DATA PROCESSING

- Diode transformer circuits for the summation and subtraction of frequency-pulse information in a pulsed form. R. G. Karpov. Avtom. i prib. no. 4:31-35 O-D '62.
- Some operational indices of block-type remote control devices. M. I. Lamin. Sbor. rab. po vop. elektromekh. no. 7:270-277 '62.

ELECTRONIC DIFFERENTIAL ANALYZERS

- Some problems concerning the accuracy of the reproduction of trajectories on second-order surfaces using digital differential analyzers. E. I. Porovskaya. Sbor. rab. po vop. elektromekh. no. 7:33-50 '62.
- Some uses of digital analogs in automatic control. A. A. Voronov, M. B. Ignatiev. Sbor. rab. po vop. elektromekh. no. 7:5-10 '62.

ELECTRONIC DIGITAL COMPUTERS

- Automatic digital computer for checking pistons. IU. G. Savchenko. Avtom. i prib. no. 4:5-8 O-D '62.
- Calculating optimum multicut setting-up by means of electronic computers. A. M. Gilm'an, V. M. Antonova, A. M. Preobrazhenskaya. Avi. prom. 28 no. 11:1-4 N '62.
- Chugayev, IU. G., and V. A. Pileko. [Electronic digital computers] Elektronnyye tsifrovyye vychislitel'nye mashiny. Moskva, Voenizdat, 1962, 405 p.
- Computer solving of heat exchange problems. V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:33-40 '62.
- Converter of the angle of shift and angular speed to binary code. IU. P. Bobranitskii. Avtom. i prib. no. 4:28-31 O-D '62.
- Determination of the parameters of state of water and water vapor using the "Ural-1" digital computer. A. A. Palagin, A. S. Fainshtein, G. P. Kirilukhina. Teploenergetika 10 no. 1:75-84 Ja '63.
- Logical elements of digital computers equipped with semiconductor electronics. N. A. Levchenko, N. N. Pavlov. Avtom. i prib. no. 4:28-28 O-D '62.
- A method for the minimization of Boolean functions and its use in the "Ural" universal digital computer. V. V. Kirilukhin. Probl. pered. inform. no. 11:57-65 '62.
- Minimization of the number of states of a switching circuit using the "Ural" universal digital computer. E. A. Reizhov, A. D. Zakrevskii. Probl. pered. inform. no. 11:66-76 '62.

Naslin, Pierre. [Principles of digital computer engineering. Translated from the French. Preface by A. V. Shileiko] Osnovy tsifrovoy vychislitel'noy tekhniki, Moskva, Gosenergizdat, 1962, 174 p. (Biblioteka po avtomatike, no. 60)

Study of switching circuits in group selection operation using a statistical testing technique and an electronic digital computer. A. A. Vdovin, V. P. Shval'ch. Probl. pered. inform. no. 11:77-87 '62.

Transistorized generator for a special-purpose digital control computer. I. S. Eremeev. Avtom. i prib. no. 4:44-45 O-D '62.

Use electronic digital computers for analyzing the operations, maintenance and repair of locomotives. V. M. Sidel'nikov, V. D. Barkhatnyl. Vest. TSNI MPS 21 no. 8:54-58 '62.

ELECTRONIC DIGITAL COMPUTERS—CIRCUITS

- Diode and resistor logic circuits and their design. O. A. Oganov. Probl. pered. inform. no. 11:66-67 '62.

ELECTRONIC INDUSTRIES—QUALITY CONTROL

- Average time for locating faults in a system of electrical blocks. G. B. Linkovskii, V. F. Krapivin. Izv. vyz. uch. zav.; elektromekh. 5 no. 9:1033-1043 '62.
- Concerning the reliability of reserved devices. A. L. Garkavi, V. B. Gogolevskii. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:156-167 N-D '62.
- Problem concerning search in a system with a finite number of positions. K. Sh. Zigangirov. Radiotekh. i elektron. 8 no. 1:16-23 Ja '63.
- Reservation with fractional multiplicity. I. P. Paderno. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:168-170 N-D '62.

ELECTRONIC INSTRUMENTS

- New electronic correction regulator with an elastic feedback. G. S. Lihachevskii. Priboirostroenie no. 12:14-17 D '62.
- Surmounted barrier. IU. Teplovikov. NTO 4 no. 6:35-37 S '62.

ELECTRONIC MEASUREMENTS

- Methodological errors of digital phase and frequency measuring devices. A. E. Bartmer. Sbor. rab. po vop. elektromekh. no. 7:335-343 '62.
- Optimum parameters of multichannel measuring systems. A. E. Basharinov, V. V. Akimov. Radiotekh. i elektron. 8 no. 1:3-7 Ja '63.

ELECTRONIC MUSICAL INSTRUMENTS see Musical Instruments, Electronic

ELECTRONICS

- Overshoots of phase cosine of quasiharmonic oscillations. V. I. Tikhonov, K. B. Chelyshev. Radiotekh. i elektron. 8 no. 1:24-31 Ja '63.

ELECTRONICS—BIBLIOGRAPHY see Bibliography—Electronics

ELECTRONICS—CONGRESSES

- Development of superhigh-frequency electronics. Z. S. Chernov. Vest. AN SSSR 33 no. 1:70-72 Ja '63.

ELECTRONS

- Absorption and luminescence of impurities in crystals of organic compounds at 20°K. Part 6. Effect of crystalline solvents on the frequency of electron transitions in impurities [with summary in English]. A. V. Solov'ov. Ukr. fiz. zhur. 7 no. 5:402-504 My '62.
- Absorption and luminescence of impurities in crystals of organic compounds at 20°K. Part 7. Effect of the variable composition of mixed crystals on the frequency of electron transitions in the impurities contained in them [with summary in English]. A. V. Solov'ov. Ukr. fiz. zhur. 7 no. 5:505-511 My '62.
- Effect of excitation entrainment by charged quasi-particles. S. L. Koroluk. Fiz. tver. tela 5 no. 1:352-353 Ja '63.
- Effective electron mass as a function of concentration in InSb, InAs, and GaAs. G. I. Guseva, I. M. TSidil'kovskii. Fiz. tver. tela 5 no. 1:263-268 Ja '63.
- Electron density distribution in gray tin and the diamagnetic susceptibility. N. N. Sirota, A. U. Sholeg. Dokl. AN SSSR 147 no. 6:1344-1347 D '62.
- Electron-positron annihilation in ordered alloys. I. A. Bakhtiar, S. G. Litovchenko, V. S. Mikhalevskov. Dokl. AN SSSR 147 no. 6:1332-1335 D '62.
- Electron temperature fluctuations and the resultant noise. Sh. M. Kogan. Fiz. tver. tela 5 no. 1:224-228 Ja '63.
- Heating of electrons in a moving plasma. V. M. Eleonskii, IU. IA. Poliak. PMTF no. 5:46-51 S-O '62.
- Nonequilibrium electron and phonon systems in an external magnetic field [with summary in English]. P. S. Zyrjanov, G. G. Taluts. Zhur. eksp. i teor. fiz. 43 no. 6:2138-2142 D '62.
- Use of the Faraday effect in determining the effective electron mass in GaAs. IU. I. Ukhonov. Fiz. tver. tela 5 no. 1:108-111 Ja '63.

ELECTRONS—CAPTURE

- Cross section for hole trapping by singly-charged gold ions in germanium. E. V. Burlak, S. A. Kaufman, K. M. Kulikov. Fiz. tver. tela 5 no. 1:345-347 Ja '63.

ELECTRONS—CAPTURE (Continued)

- Kinetic method for determining the parameters of trapping levels. E. A. Sal'kov. Fiz. tver. tela 5 no. 1: 240-245 Ja '63.
- Level scheme of Ir^{189} excited by electron capture in Pt^{189} . L. N. Kriukova and others. Izv. AN SSSR, Ser. fiz. 15 no. 12: 1492-1494 D '62.
- Nature of electron trapping levels in silver chloride crystals. V. M. Belous. Opt. i spekt. 13 no. 6: 852-854 '62.
- Recombination properties of nickel in germanium. P. G. Eliseev, S. G. Kalashnikov. Fiz. tver. tela 5 no. 1: 320-326 Ja '63.

ELECTRONS—SCATTERING

- Efficiency of the tentative potential method in solving Schrödinger's equation. G. E. Gernert. Zhur. vych. mat. i mat. fiz. 2 no. 5: 950-951 S-O '62.
- Scattering of electrons penetrating thin films. N. G. Nakhodkin, A. A. Ostrokhov, V. A. Romanovskii. Fiz. tver. tela 5 no. 1: 41-47 Ja '63.

ELECTRONS—SPECTRA

- Relation between Raman spectra and electron absorption spectra. M. M. Suschinskii, V. A. Zubov. Opt. i spekt. 13 no. 6: 780-774 '62.
- Testing the applicability of a random model of the arrangement of rotational lines. V. N. Solonkov. Opt. i spekt. 13 no. 6: 807-809 '62.

ELECTROPHORESIS

- Parameters of electrophoretic dissociation of slips of paper for colored mosaic tiles. N. K. Antonavich, T. P. Pollakova. Stok. i ker. 19 no. 12: 15-18 D '62.
- Using the electrophoresis method for determining the washing away of epoxy resin hardeners from the protective coatings of wine vessels. V. A. Shmeleva, A. V. Zolov, M. S. Shechukova. Lakokras. mat. i kh. prim. no. 5: 50-52 '62.

ELECTROPHYSIOLOGY

- Bioelectric current from a tape recorder. V. Vladymko, S. Sergilenko. Nauka i zhittia 12 no. 7: 40-41 Ji '62.
- Bioelectric stimulation. V. Kyl, I. U. Sundukov. Nauka i zhittia 12 no. 7: 42 Ji '62.
- Characteristics of the impedance of the skeletal musculature in dogs at different age periods. T. A. Adzhimolnaya, V. V. Gavrilov. Dokl. AN SSSR 147 no. 4: 981-984 D '62.
- Comprehensive study of the electrophysiological, histochemical and cytomorphological indicators of the excitation of brain neurons. A. B. Kogan. Dokl. AN SSSR 147 no. 4: 985-988 D '62.
- Electricity of neurons. P. Motanyi. Nauka i zhittia 12 no. 11: 30-31 N '62.
- Electrophysiological investigation of a kinesiometric analyzer. Report No. 2. Temporary components of a movement. A. S. Egorov, I. U. Z. Zakhar'iants. Dokl. APN no. 1: 113-116 '62.
- Electrophysiological investigation of a kinesiometric analyzer. Report No. 3. Force components of a movement. A. S. Egorov, I. U. Z. Zakhar'iants. Dokl. APN no. 2: 111-114 '62.
- "Living electricity." IUN. ont. no. 1: 10 Ja '63.
- Method for recording the action potentials of neurons of the vestibular nuclei in adequate stimulation of vestibular receptors in cats. O. G. Ginzhenko and others. Izv. AN SSSR, Ser. biol. no. 8: 925-928 N-D '62.
- Problem of the excitability and the correlation between the resting potential and the critical potential of the membrane. B. I. Khodorov. Usp. sovr. biol. 84 no. 3: 333-354 N-D '62.

ELECTROPHYSIOLOGY OF PLANTS

- Bioelectrical indicators of the physiological condition of plants. I. U. V. Evtodienko. Sbor. stud. nauch. i issl. rab. TSKHA no. 11: 251-254 '62.

ELECTROPLATING

- Effect of wetting adsorption layers on the electrodeposition of metals. D. N. Gritsan, D. S. Shun. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 5 no. 5: 775-781 '62.
- Increasing fatigue resistance by electrolytic plating with an iron-nickel alloy. Sh. A. Nedeshan and others. Metalloved. i term. obr. mat. no. 12: 37-40 D '62.
- Using plastics in electroplating. A. R. Chudnovskii and others. Mashinostroyenie no. 6: 71-72 S-O '62.

ELECTROSTATICS

- Neutralization of static electricity charges. S. Zhdanov. Pozh. delo 9 no. 1: 13-14 Ja '63.

ELECTROTHERAPEUTICS

- Bioelectric current from a tape recorder. V. Vladymko, S. Sergilenko. Nauka i zhittia 12 no. 7: 40-41 Ji '62.
- Bioelectric stimulation. V. Kyl, I. U. Sundukov. Nauka i zhittia 12 no. 7: 42 Ji '62.

ELEMENTARY EDUCATION see Education, Elementary

ELEVATORS

- New equipment for elevators. I. E. Egorov, I. M. Vishnevetskii, I. U. V. Greiman. Gor. khoz. Mosk. 36 no. 1: 15-19 Ja '62.

ELIOT, THOMAS STEARNS, 1898-

- Struk. D. S., ed. [Original] Original. Boston, Mass. Ukrainian-Speaking Club, 1962, 1 v. (MH)

ELLIPTIC FUNCTIONS see Functions, Modular

ELOCUTION

- "Words are ringing..." by A. M. Argo. Reviewed by O. Grudsova. Sem'ia i shkola 17 no. 12: 27-28 D '62.

EMASCULATION see Castration

EMBA REGION—FAULTS (GEOLOGY)

- Role of faults in the formation of oil pools in the Emba region. V. S. Sobolev. Trudy VNIGRI no. 160: 72-84 '62.

EMBA REGION—PETROLEUM GEOLOGY

- Role of faults in the formation of oil pools in the Emba region. V. S. Sobolev. Trudy VNIGRI no. 160: 72-84 '62.

EMBOLISM

- Clinical aspects of camphor embolisms. N. S. Lebed'. Zdrav. Bel. 8 no. 12: 95-96 D '62.

EMBRYOLOGY—AMPHIBIA

- Androgenesis in amphibians. N. N. Rott. Usp. sovr. biol. 54 no. 3: 355-365 N-D '62.

EMBRYOLOGY—BIRDS

- Catechol amines of the bird heart in ontogenesis. V. A. Goryun, G. R. Leont'eva. Dokl. AN SSSR 147 no. 8: 1507-1509 D '62.

- Formation of breed-related differences in the embryogenesis of ducks. N. P. Bortzyl'ova. Pratsi Inst. zool. AN URSSR 18: 87-103 '62.

EMBRYOLOGY—MAMMALS

- Phases of the blastocyst and trophoblastic vesicle in the Karakul sheep. G. A. Shmidt. Dokl. AN SSSR 147 no. 4: 989-991 D '62.

EMBRYOLOGY (BOTANY) see Botany—Embryology

EMBRYOLOGY, HUMAN

- Histophysiological and experimental studies of some problems in human pathologic embryology. A. P. Dyban. Vest. AMN SSSR 17 no. 11: 51-60 '62.

EMINENT DOMAIN

- Reparation for loss caused to the property of Soviet citizens. S. Natruskin. Sov. deput. trud. no. 1: 94-95 Ja '63.

EMINESCU, MIHAIL, 1850-1889

- Development of the narrative element in the poetry of M. Eminescu between 1875 and 1880. L. I. Kurach. Uch. zap. Tir. gos. ped. inst. no. 9: 65-75 '60.

EMOTIONS

- Basic philosophical problems of the evolutionary physiology of higher nervous activity. D. A. Biriukov. Vop. psikh. 8 no. 4: 36-57 Ji-Ag '62.

EMPLOYEES, DISMISSAL OF

- Dismissal of workers based on Article 39 of the labor code of the R. S. F. S. R. V. Frolov. Sov. iust. no. 24: 14-15 D '62.
- For an uncompromised attitude of trade unions toward the violation of rights and material interests of workers. B. Vladimirov. Sots. zakon. 40 no. 1: 30-32 Ja '63.
- Formulating the reasons for dismissal from work. A. Ephraim. Okhr. truda i sois. strakh. 6 no. 1: 41-42 Ja '63.
- Termination of labor contracts by the employers. E. A. Golovanova. Izv. vys. ucheb. zav. i prav. 6 no. 4: 70-78 '62.
- We shouldn't tolerate the unlawful dismissal of workers. I. U. Korshunov. Sots. zakon. 40 no. 1: 25-29 Ja '63.

EMPLOYEES, IDENTIFICATION OF see Labor passports

EMPLOYEES, REINSTATEMENT OF

- Reinstatement of wrongly dismissed workers and employees by A. I. Stavitska. Reviewed by B. Sholomov. Sov. iust. no. 21: 20-30 '62.

EMPLOYEES, TRAINING OF

- (see also subdivision under Kuban)

- New machinery and the technical proficiency of workers. S. Batyshev. Kommunist 39 no. 3: 119-121 F '63.

EMPLOYERS' LIABILITY

- (see also subdivision under Ust'-Kamenogorsk)

- Compensation for injuries received in the process of the protection of socialist property. V. G. Verdnikov, A. I. Kabalkin. Sov. gos. i pravo 33 no. 1: 102-107 Ja '63.

- Conclusion of a technical inspector of a trade union council. G. Lesenko. Okhr. truda i sois. strakh. 6 no. 1: 38-39 Ja '63.

- Some problems relating to liability for work injuries. M. Vikut, V. Nikitina. Sov. iust. no. 24: 9-10 D '62.

EMPTOMA

- Pleurectomy in the treatment of tuberculous diseases of the pleura. P. M. Kuzlukovich, K. E. Kozintseva, B. K. Kutsko. Zdrav. Bel. 8 no. 12: 8-11 D '62.

EMULSIONS

- Composition of glycerin water obtained in the reagent-free splitting of fats. M. V. Irodov. Masl.-zhir. prom. 28 no. 12: 21-24 D '62.
- Crude naphthenic acids as effective demulsifying agents for hydrophobic petroleum emulsions. N. I. Rudskova and others. Nauch. zap. Ukrniproekta no. 8: 71-80 '62.
- Investigation of natural water emulsifiers in crude oil in relation to the establishment of a basis for effective demulsifying agents for petroleum emulsions [with summary in English]. A. G. Gubzhala. Koll. zhur. 24 no. 6: 651-656 N-D '62.
- Preparing emulsions by means of ultrasonics. A. Khugol'. Stroi. i arkh. 10 no. 1: 37 Ja '62.
- Ultrasonic emulsifier. Stroitel' 8 no. 11: insert: 4 p. N '62.
- Unit for the preparation of water-oil emulsions. B. G. Ilchenok. Stroitel' 8 no. 11: 27 N '62.

EMULSIONS—TESTING

- Investigating the dispersibility and stability of resin emulsions obtained under the effect of ultrasonic waves. E. L. Slavyaninova. Lakokras. mat. i kh. prim. no. 6: 28-32 '62.

ENAMEL AND ENAMELING

- Hammered type enamels, their manufacture and application. B. I. Ivanov. Lakokras. mat. i kh. prim. no. 6: 40-44 '62.

- Testing cast iron used in wet-process enameling. P. Paukas, J. Eiduks. Izv. AN Latv. SSR no. 4: 77-84 '61.

ENCEPHALITIS

- Reorganization and functional adaptation of the cranial bones as a sequel of meningoencephalitis in childhood. V. M. Mikhailin. Zdravookhranenie 5 no. 3: 41-44 My-Je '62.

ENCEPHALOMYELITIS see subdivision under Minsk

ENDOCRINE GLANDS—DISEASES

- Some data on the prevalence of endocrine gland diseases [with summary in English]. V. I. A. Aber. Trudy Ukr. nauch.-issl. inst. okaper. endok. 18: 111-110 '61.

ENDOSPERM

- Morphological and physiological characteristics of the endosperm of angiosperms in the process of its development [with summary in English]. M. I. Khudjak. Ukr. biol. zhur. 10 no. 5: 31-41 '62.

ENGELS, FRIEDRICH, 1820-1895

- First works by Marx and Engels in Russia. M. Razorenova. V mire knig 2 no. 12: 4 D '62.
- From F. Engels' correspondence with S. P. La Fargue. Vop. ekon. no. 12: 10-15 D '62.

ENGELS, FRIEDRICH, 1820-1895—MUSEUMS, RELICS, ETC.

- In the Karl Marx and Friedrich Engels Museum. A. Krylova. Nauka i zhittia 29 no. 11: 6-11 N '62.

ENGINEERING

- Engineering in the seven-year plan. V mire knig 2 no. 12: 6 D '62.
- Experience in using foreign engineering literature in the Vladimir Tractor Plant. V. N. Munter. Opyt rab. bibliot. i inostr. lit. no. 3: 16-24 '60.
- The use of foreign literature by engineers. R. Zaslavskaya. Opyt rab. bibliot. i inostr. lit. no. 3: 11-17 '60.

ENGINEERING GEOLOGY

- Inspection of structures in geological surveys conducted for engineering purposes. S. V. Drozdov. Izv. vys. ucheb. zav. i geol. i razv. 5 no. 10: 95-100 O '62.

ENGINEERING MODELS

- Modeling at dynamic loading. L. P. Orlenko. Izv. vys. ucheb. zav. i mashinost. no. 7: 88-83 '62.

ENGINEERS

- Makhnenko, Iurii. [We are engineers; a sketch] My z toboi inzheneri; narys. Kyiv, Dorzhlitvydav, 1961. 88 p. (Ludy i problemy samyrychky) (MH)
- Soviet engineer is a high title. P. S. Chernyshev. NTO 4 no. 12: 2-5 D '62.

ENGINES—COLD WEATHER OPERATION

- Starting engines in winter. G. Tur. Tekh. v sel'khoz. 22 no. 11: 64 N '62.

ENGINES—MAINTENANCE AND REPAIR

- (see also subdivision under Pyatigorsk)
- Device for machining the cover of a switchboard. A. Gulai. Tekh. v sel'khoz. 22 no. 11: 85 N '62.

ENGLISH COMPOSERS see Composers, English

ENGLISH LANGUAGE—DICTIONARIES—AZERBAIJANI

- [Concise Azerbaijani-English, English-Azerbaijani dictionary of phrases] Azerbajchancha-lakillacha-lakillacha-Azerbajchancha mukhtesir frazeoloji lugat. Tertib edenler: Kh. Ehmmedova, I. Rezhimov. Bakı Azerbajchan dvllet tedris-pedagogiki ehtibatly nashriyatı, 1962, 133 p.

ENGLISH LANGUAGE—DICTIONARIES—POLYGLOT

International Electrotechnical Commission. [International electrotechnical vocabulary. Group 20; Scientific and industrial measuring instruments. Preface in Russian, French, and English] Mezhdunarodnyi elektrotekhnicheskii slovar'. Gruppy 20: Laboratornye i tekhnicheskie izmeritelnye pribory. [Izd. 2.] Moskva, Glav. red. inostr. nauchno-issled. slovar' Fizmatgiz, 1982. 225 p.

ENGLISH LANGUAGE—DICTIONARIES—RUSSIAN

Elizarenkova, T. P. [English-Russian bookman's glossary] Anglo-russkii slovar' knigovedcheskikh terminov. Moskva, Sovetskaya Rossiya, 1982. 510 p. [MICROFILM]

Trakhterov, A. L. [English phonetic terminology] Angliiskaya foneticheskaya terminologiya; spravochnoe posobie dlia studentov i prepodavatelei yuzov inostrannykh yazykov. Moskva, Izd-vo lit-ry na inostr. yazykakh, 1982. 347 p.

ENGLISH LANGUAGE—STUDY AND TEACHING

For lots, Leon Wincott. Nauka i zhizn' 20 no. 11:109-110 N '82.

ENGLISH LANGUAGE—STYLE

Hornby, Albert Sydney. [Constructions and phrases in modern English] Konstruktsii i obrazy sovremennoy angliiskogo yazyka. Izd. 2. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1980. 228 p. [Publ. in English as: A guide to patterns and usage in English] (OU)

ENGRAVINGS, FRENCH

"Monument to costume" by Moreau the Younger as an example of French engraving from the second half of the 18th century. N. N. Vodo. Sob. GMI [no. 1]: 58-63 '80.

ENSEMBLES (MATHEMATICS) see Aggregates

ENSEMBLES (MUSIC)

(see also subdivision under Leningrad region)
Individual ensemble of our yard. N. Benson. Sem'ia i shkola 17 no. 11:23-24 N '82.

ENSLAGE

(see also subdivision under Komi A. R. S. R.)

Berezovskii, A. A. ["Dietetic" feeds] "Dieticheski" korm. Moskva, Izd-vo "Znanie," 1983. 28 p. (Novee v zhizni, nauke, tekhnike. V Seria: Sel'skoe khoz. i stroi. no. 2)

Danilenko, I. A. [Ensilage of corn] Silosovanie kukuruzy. [Khar'kov] Khar'kovskoe oblastnoe izd-vo, 1987. 48 p. (DNAL)

Effectiveness of feeding ensiled potatoes to swine. M. M. Karpust. Nauk. pratsi asp. UASHN no. 5:170-177 '80.

Increasing the protein value of corn silage [with summaries in English, German, and French]. S. I. A. Zafren. Vest. sel'khoz. nauk 7 no. 5:55-58 My '82.

New machines for preparing silage paste. E. Zav'yalov, M. Tishchenko, I. Shestopalov. Tekh. v sel'khoz. 22 no. 11:33-36 N '82.

The RS-200 silage cutter. L. Khažanov. Tekh. v sel'khoz. 22 no. 11:47-48 N '82.

ENTHALPY

Maximum temperature of the chlorination process in an electric stack furnace. N. V. Galitskii. Titan i ego splavy no. 8:101-113 '82.

ENTIRE FUNCTIONS see Functions, Entire

ENTOMOLOGY—CONGRESSES

International Congress of Entomology. V. V. Likhontov. Zashch. rast. ot vred. i bol. 5 no. 11:60 N '80.

Work of the Section of General Entomology. M. S. Giliarov. Zashch. rast. ot vred. i bol. 5 no. 5:54-55 Je '80.

ENTOMOLOGY—TERMINOLOGY

Leg of ticks of the order Parasitiformes and its terminology [with summary in English]. E. Kh. Zolotarev. Zool. zhur. 41 no. 11:1739-1741 N '82.

ENTROPY

Generatrices in ergodic theory [with summary in English]. V. A. Rokhlin. Vest. LGU 18 no. 1:26-32 '83.

Statistical entropy as an indicator of the resemblance or difference of meteorological fields. N. A. Bagrov. Meteor. i gidrol. no. 1:9-15 Ja '83.

ENZYMES

Role of pectolytic enzymes and oxidizing processes in the conversions of pectic substances in watermelons. A. V. Mel'nik, V. V. Arasimovich. Biokhim. pl. i ovesch. no. 7:207-217 '82.

EOSINOPHILES

Grinshpun, L. D. [Major eosinophiles and their clinical diagnostic significance] Bol'shie eozinofili krovi i ikh kliniko-dagnosticheskoe znachenie. Moskva, Medgiz, 1982. 151 p. (Biblioteka prakticheskogo vracha) (DNLM)

EPICHLOROHYDRIN

Heterochain copolymerization. Part 1: Copolymerization of epichlorohydrin with aceto- and benzonitrile [with summary in English]. A. A. Durgarian, R. M. Begian. Vysokom. soed. 5 no. 1:28-31 Ja '83.

EPINEPHRIN see Adrenaline

EPITAPHS see subdivision under Phanagoria

EPOXY COMPOUNDS

The UR-231 epoxy-uretan lacquer. V. V. Zhebrovskii. Lakokras. mat. i ikh prim. no. 5:80 '82.

EPOXY RESINS

Connecting pipes with epoxy adhesives. I. M. Lunev. Vest. mashinostr. 42 no. 12:32-33 D '82.

Investigating the hardening process in epoxy resins. V. R. Zlobina, A. A. Blagonravova. Lakokras. mat. i ikh prim. no. 8:7-11 '82.

Obtaining epoxy resins with the method of direct epoxidation of unsaturated polymers and their use as film-forming agents. S. I. Omel'chenko and others. Lakokras. mat. i ikh prim. no. 8:15-19 '82.

Studying the effect of hardeners on the characteristics of epoxy resin base coatings. N. A. Suvorovskaya and others. Lakokras. mat. i ikh prim. no. 5:4-10 '82.

EQUALITY

[Soviet man is an internationalist] Sovetskii chelovek - internationalist. Moskva, Gospolitizdat, 1982. 77 p. (Moral'nyi kodeks stroitelstva kommunizma)

EQUALITY BEFORE THE LAW

All are equal under the law. Part. zhizn' no. 2:50-52 Ja '83.

EQUATIONS

Arzhanykh, I. S. [Canonical equations of a rank higher than zero] Kanonicheskie uravneniya ranga, bol'shego nullo. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1982. 143 p.

EQUATIONS—NUMERICAL SOLUTIONS

Stability of solutions to elliptic equations [with summary in English]. E. P. Sen'kin. Vest. LGU 18 no. 1:48-47 '83.

EQUILIBRIUM

Who is right Peryashkin or Zhabrov. G. Egorov. Grazhd. av. 19 no. 8:26-27 S '82.

ERBIUM—ISOTOPES

Spectra of internal conversion electrons emitted in the capture of thermal neutrons by Er-167 and Er-168. V. A. Ivanov, V. I. Pelekhov. Izv. AN SSSR. Ser. fiz. 18 no. 12:1480-1485 D '82.

ERGOMETER see Dynamometer

ERGOT ALKALOIDS

Some pharmacological properties of fragments of the polypeptide part of ergot alkaloids [with summary in English]. E. S. Rozovskaya, I. B. Simon, M. M. Kholodnko. Trudy Ukr. nauch.-issled. inst. eksp. endok. 18: 336-344 '81.

ERIVAN—DESCRIPTION

The city of blooming stone. Artavik Grigorian. Vsem. stud. nov. 16 no. 1:16-17 Ja '82.

ERIVAN—SEISMOLOGY

Determining prevailing periods and spectral composition of soil vibrations on the territory of Erivan. N. K. Karapetian. Izv. AN Arm. SSR. Ser. tekhn. nauk no. 4: 7-16 '81.

ERIVAN—STUDENTS

The city of blooming stone. Artavik Grigorian. Vsem. stud. nov. 16 no. 1:16-17 Ja '82.

ERMOLINSKII, NIKOLAI NIKOLAEVICH, 1894-1982

Nikolai Nikolaevich Ermolinskii; obituary. Svyatetskhnika 8 no. 12:28 D '82.

EROSION

(see also subdivision under Dnieper-Donets Lowland; Dnieper Valley; Don Valley; Georgia; Lithuania; Moldavia; Naryn Valley; Novosibirsk Province; Yergent Hills)

Calculation of the volume and weight characteristics of solid matter in turbulent eroding streams. I. I. Kherkheulidze. Trudy Gruz NIIGIM no. 21:171-176 '80.

Eroding and noneroding speeds of water flow for bound soils. TS. E. Mirskhulava. Trudy Gruz NIIGIM no. 21:81-76 '80.

Erosion by periodic-action canals. T. G. Zhordanita. Trudy Gruz NIIGIM no. 21:145-148 '80.

Formulas for calculating the flow speeds of eroding streams. M. S. Gagoshidze. Trudy Gruz NIIGIM no. 21:85-98 '80.

Measures for controlling water and wind erosion of soils. A. Lashkov. Vest. sel'khoz. nauki 7 no. 10:153-155 O '82.

Mechanics of the movement of bottom sediments and the distribution of velocities in the bottom layer. TS. E. Mirskhulava. Trudy Gruz NIIGIM no. 21:293-302 '80.

Method for determining soil permeability and storm runoff [with summary in English]. G. P. Surmach. Pochvovedenie no. 11:93-97 N '82.

Mud torrents. O. P. Shecheglova and others. Priroda 52 no. 1:90-96 '83.

Role of the depth of flow in raising the resistance to washout of soils constituting the river bed subjected to erosion by the stream. TS. E. Mirskhulava, R. G. Danolia. Dokl. AN SSSR 147 no. 6:1437-1440 D '82.

The scale factor in cavitation erosion. K. K. Shal'nev. PMTF no. 4:121-128 J1-Ag '82.

Theory of movement of a structural eroding stream. Z. S. Jordanishvili, G. A. Gachechiladze. Trudy Gruz NIIGIM no. 21:335-338 '80.

Using models to study channel processes during continuous lowering of the index of the river's level of erosion. A. K. Aramian. Gidr. stroi. 33 no. 11:37-39 N '82.

ERRORS, THEORY OF

Determination of unknown parameters based on the processing of measuring results. A. F. Torondzhadze. Trudy Vych. tsentra AN Gruz. SSR 2:267-281 '82.

ERSHOV, I.

I. Ershov as Grishka Kuter'ma. E. Kaplan. Sov. muz. 26 no. 12:82-88 D '82.

ERYTHROBLASTOSIS FETALIS

Edematous form of hemolytic disease in newborn infants (its pathologic anatomy, pathogenesis, differential diagnosis and mortality) [with summary in English]. E. E. Shytisko. Vop. okh. mat. i det. 7 no. 9:49-56 S '82.

ERYTHROCYTES

Acid erythrograms as a method for the clinical evaluation of the functional state of the body during the use of potentiating substances. E. M. Valentinovich. Zdrav. Kazakh. 22 no. 7:3-10 '82.

Relation of some blood indices to the state of the lungs in silicosis and anthracosilicosis. E. M. Vinarik. Zdrav. Kazakh. 22 no. 7:24-28 '82.

ESCHERICHIA COLI

Colibacillosis in infants. V. P. Iukhno, N. I. Karmazina, M. G. Rogol'. Zdravookhraneniye 5 no. 3:20-24 Ny-Je '82.

ESKIMOS see subdivision under Siberia

ESOPHAGUS—DIVERTICULA

Esophageal diverticulum developing in connection with a nodular goiter. V. M. Udod, I. F. Nabok. Zdrav. Bel. 8 no. 12:68-69 D '82.

ESOPHAGUS—WOUNDS AND INJURIES

"Circutrial stenosis of the esophagus" by F. N. Doronin. Reviewed by T. E. Gnilyorov. Zdrav. Bel. 8 no. 12: 80-82 D '82.

ESPERANTO

Letters to the editor. Vsem. stud. nov. 16 no. 4:23 Ap '82.

ESPIONAGE see subdivision under Germany, West

ESTER GUMS

Esterification of pine oleoresin [with summary in English]. D. Svikle, V. Sergeeva. Izv. AN Latv. SSR no. 4: 133-136 '81.

ESTERIFICATION

Kinetics of polycarbonate synthesis by the method of transesterification based on 4,4'-dihydroxydiphenyl-2,2-propane and diphenyl carbonate [with summary in English]. I. P. Losev, O. V. Smirnova, E. V. Smarova. Vysokom. soed. 5 no. 1:87-93 Ja '83.

Methods for controlling re-esterification reactions. R. S. Barshtein, N. D. Meshkova. Plast. massy no. 11:63-64 '82.

Preparation of triethoxysilane. V. L. Volkov and others. Plast. massy no. 12:28-29 '82.

Reactions of aromatic nitro compounds. Part 14: Effect of some electron acceptor groups on the reaction of re-esterification. S. S. Gitis, A. I. Glaz, L. M. Lagupol'skii. Zhur. ob. khim. 33 no. 1:138-141 '83.

Vapor-phase esterification of aromatic acids with ethers on oxide catalysts. K. V. Topcheva, G. N. Taktiarova, A. I. Pamina. Neftekhimiya 2 no. 6:744-749 S-O '82.

ESTERS

Action of chloral on alkyl esters of p-chlorophenyl-, p-isopropylphenyl-, and α-naphthylphosphinous acids. G. Kh. Kamai and others. Izv. vyz. ucheb. zav. khim. i khim. tekhn. 5 no. 5:759-762 '82.

Kinetics of symmetrization reaction of organomercury salts. Part 6: Effect of halogen substituents in compounds of the type $n = \text{KC}_6\text{H}_4\text{CH}(\text{HgBr})\text{COOC}_2\text{H}_5$ on the rate of symmetrization under the action of ammonia [with summary in English]. O. A. Reutov, I. B. Beletekale, G. A. Arlamkina. Zhur. fiz. khim. 36 no. 12: 2582-2588 D '82.

New data on the processing and properties of polyarylates. M. S. Akutin and others. Plast. massy no. 11: 20-26 '82.

Self-quenching unsaturated polyesters based on pentacyclic polychlorohydrins. I. M. Al'shits and others. Plast. massy no. 11:12-14 '82.

ESTONIA—AGRICULTURE

Eestimaa Kommunistlik partei. Koostöökomitee. Propaganda- ja Agitatööosakond. [Fulfillment of the seven-year plan ahead of time. Translated from the Estonian] Semileku dosrochno. Tallinn, Estonskoe gos. izd-vo, 1961. 200 p.

ESTONIA—BAKERS AND BAKERIES

Laboratory of a bakery plant. S. Timokhin. Sov. potreb. koop. 6 no. 12:36-37 D '62.

ESTONIA—CATS—DISEASES AND PESTS

Data on the susceptibility of the dogs and cats in the Estonian S.S.R. to Leptospira infection. G.M. Medinskii, R.A. Rata. Trudy Len. inst. epid. i mikrobiol. 20:171-174 '59.

ESTONIA—COOPERATIVE SOCIETIES

This is an urgent concern of agricultural cooperative societies. V. Vaino. Part. zhizn' no. 4:35-39 F '63.

ESTONIA—DOGS—DISEASES AND PESTS

Data on the susceptibility of the dogs and cats in the Estonian S.S.R. to Leptospira infection. G.M. Medinskii, R.A. Rata. Trudy Len. inst. epid. i mikrobiol. 20:171-174 '59.

ESTONIA—FARM MANAGEMENT

Agricultural specialization in southeastern Estonia. L. Litover. Dokl. TSKHA no. 50:151-159 '59.

ESTONIA—FERTILIZERS AND MANURES

Practices in producing mineral fertilizers with a minimum loss. E. Kalava. Zemledel' 24 no. 11:69-70 N '62.

ESTONIA—INDUSTRIAL MANAGEMENT

[Economy of socialist industrial enterprises; textbook] Sotsialistlike tootustussilvotote ekonomika; opik. Tallinn, 1961. 435 p. [In Estonian]

ESTONIA—MOTOR VEHICLES—SOCIETIES, ETC.

On voluntary basis. I.U. Raudepp. Za rul. 20 no. 12: 6 D '62.

ESTONIA—PHOTOGRAPHY

A festival of amateur photography. U. Uusman. Sov. foto 22 no. 12:14 D '62.

"Photography Week" in Tallinn. Sov. foto 22 no. 11:28-29 N '62.

"Photography Week" in Tallinn. Sov. foto 22 no. 12: 12-13 D '62.

ESTONIA—PRECAST CONCRETE

Kask, K. [Problems affecting the lowering the production costs of precast reinforced concrete in the Estonian S.S.R.] Monteeritava raudbetooni tootmise omahinna alandamise küsimusi Eesti NSV-s. Tallinn, Eesti NSV Ministrite Nõukogu Riiklik Ehituse ja Arhitektuuri komitee, 1960. 92 p. [In Estonian]

ESTONIA—SHALE

Relationship between strain on the rods and rock displacement in the roofs of stopes in shale mines. B.I. Strigin. Gor. zhur. no. 5:28-29 My '62.

ESTONIA—VEGETABLE GARDENING

Tettebaum, Viktor. [Problems in the development of vegetable growing in the Estonian S.S.R.] Koogiviljakasvatuse arendamise küsimusi Eesti NSV-s. Tallinn, Eesti Riiklik Kirjastus, 1961. 32 p. [In Estonian] (DNAL)

ESTROGENS

Action of estrogens (oestrol and diethylstilbestrol) on the bone marrow and spleen [with summary in English]. A.F. Moskalenko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:298-302 '61.

Action of folliculin and oestrol on the coronary vessels of the heart [with summary in English]. P.I. Onitsov, E.O. Rabushko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:328-332 '61.

Changes in the conditioned reflex activity of white rats under the influence of ovariectomy and the administration of estrogens [with summary in English]. S.N. Ushenko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:303-309 '61.

Materials from a comparative study of the mechanism of the action of natural and synthetic estrogens [with summary in English]. S.N. Ushenko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:284-287 '61.

ESTRUS

Artificial stimulation of heat in sheep [with summaries in English, German, and French]. A.I. Lopyrin, N.V. Logina, V.I. Donskaya. Vest. sel'khoz. nauki 7 no. 11:82-87 N '62.

Effect of strong stimulation of the central nervous system on the functioning of the sexual apparatus [with summary in English]. O.A. Serdchukova. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:310-314 '61.

ETHANE

Formation of ethane during decomposition of ethyl alcohol on titanium dioxide. I.I. Zakharycheva, G.V. Isagulante, A.A. Balandin. Izv. AN SSSR, Otd. khim. nauk no. 1:179-180 '63.

ETHANE—THERMODYNAMIC PROPERTIES

Thermodynamic properties of ethane at temperatures up to 400°C and at 300 atm. V.A. Zagoruchenko. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:734-738 '62.

ETHANOL

Promoting the growth and development of animal organisms [with summaries in English, German, and French]. G.V. Kamalian, G.V. Barsogian, A.M. Karagzhlian. Vest. sel'khoz. nauki 7 no. 5:83-87 My '62.

Rhodamine 8G association in ethanol and glycerin solutions. E.G. Baranova. Opt. i spekt. 13 no. 6:801-808 '62.

Separation of phenols by means of monoethanolamine [with summary in German]. A. Aaron, L. Mölder. Izv. AN Est. SSR, Ser. fiz.-mat. i tekhn. nauk 11 no. 4: 243-252 '62.

ETHANOL—TOXICOLOGY

Toxicological characteristics of monoethanolamine. L.A. Timofeyevskaya. Tekh. nov. prom. khim. veshch. no. 4:81-81 '62.

ETHER

X-ray diffraction study of the isothermal compressibility of ether and benzene [with summary in English]. N.V. Mokhov, I.A. M. Labkovskii. Ukr. fiz. zhur. 7 no. 8:816-820 '62.

ETHERS

Chemistry of acetals. Report No. 12: Application of the method of gas-liquid chromatography for the analysis of the products of the reaction of orthoesters with vinyl ethers. L.A. Ivanovskaya, V.F. Kucherov, B.A. Rudenko. Izv. AN SSSR, Otd. khim. nauk no. 12:2182-2189 D '62.

Chemistry of vinylacetylene. Part 37: Addition reactions of α -chloromethyl ethers to 5-chloro-5-methyl-1-hexen-3-yne and some transformations of the products obtained. S.A. Varianan, A.O. Tosunian, L.G. Mesropian. Zhur. ob. khim. 33 no. 1:62-67 '63.

Interaction between polyether and polyamide in a melt. V.V. Korshak and others. Dokl. AN SSSR 147 no. 6: 1385-1408 D '62.

Interaction of vinyl ethers with furan and 2-methylfuran. M.F. Shostakovskii, A.V. Bogdanov, A.N. Volkov. Izv. AN SSSR, Otd. khim. nauk no. 12:2224-2226 D '62.

Syntheses in the series of 1,3,5-triazine. Part 2: Preparation of mixed 2,4,6-trialkyl-1,3,5-triazines from imino ethers. E.L. Zaitseva and others. Zhur. ob. khim. 33 no. 1:189-202 '63.

Synthesis of copolymers of allyl glycid ether and methylethylacrylate. M.F. Sorokin, E.L. Khuchina. Lakokras. nat. i kh. prim. no. 5:10-17 '62.

Vapor-phase esterification of aromatic acids with ethers on oxide catalysts. K.V. Topcheva, G.N. Taktarova, A.I. Fomina. Neftekhimika 2 no. 5:744-749 S-O '62.

ETHICS

"The philosophy of man; Marxism and existentialism" [in Polish] by Adam Schaff. Reviewed by V.I. Svintsov. Vop. filos. 17 no. 1:167-172 '63.

ETHIOPIA—DESCRIPTION AND TRAVEL

"Encounters at the Equator." by N. Kihlan. Reviewed by D. Voblikov. Az. i Afr. seg. no. 1:62-63 Ja '63.

ETHIOPIA—HISTORY

We transformed Mussolini into a considerable power; the Laval-Hoare agreement. A. Eden. Mezhdunar. zhizn' 10 no. 2:103-111 F '63.

ETHNOLOGICAL MUSEUMS AND COLLECTIONS

Meeting devoted to ethnography and the problems of ethnographic museums [in Latvian]. H. Strods. Izv. AN Latv. SSR no. 10:133-136 '62.

ETHNOLOGICAL RESEARCH see subdivision under France

ETHNOLOGY

(see also subdivision under Aswan Dam region; Bashkiria; Caucasus; India; Kazakhstan; Rumania; Trinidad-Tobago)

"Lotus flower" by Rudolf Isa. Reviewed by V.P. Kurylev. Priroda 52 no. 1:123-124 '63.

Transmission of the holdings of the Ethnographic Department of the Society of Amateur Studies of Natural History, Anthropology, and Ethnography to the Archives of the Institute of Ethnography of the Academy of Sciences of the U.S.S.R. V.S. Arnoidi, R.S. Lipets. Sov. etn. no. 6:156-157 N-D '62.

ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology

ETHNOLOGY—CONGRESSES

Meeting devoted to ethnography and the problems of ethnographic museums [in Latvian]. H. Strods. Izv. AN Latv. SSR no. 10:133-136 '62.

ETHNOLOGY—PERIODICALS see subdivision under Ukraine

ETHYL ALCOHOL

Determining the balanced alcohol content of the gas carrier. V.G. Garbarenko. Khar. prom. no. 4:52-55 O-D '62.

Formation of ethane during decomposition of ethyl alcohol on titanium dioxide. I.I. Zakharycheva, G.V. Isagulante, A.A. Balandin. Izv. AN SSSR, Otd. khim. nauk no. 1:179-180 '63.

ETHYL ALCOHOL—THERMAL PROPERTIES

Study of the critical point of boiling of a 96 per cent ethyl alcohol during its flow under conditions of under-heating. P.I. Povarnin. Teploenergetika 9 no. 12: 57-60 D '62.

ETHYL ALCOHOL—THERMODYNAMIC PROPERTIES

Thermodynamic properties of ethyl alcohol in the liquid phase at moderate pressures. A.M. Zhuravlev. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:730-742 '62.

ETHYL CARBAMATE

Studying the physicochemical properties of polyurethane coatings. D.S. Yakubovich and others. Lakokras. nat. i kh. prim. no. 6:32-37 '62.

ETHYL ETHER

Refractometric method of determining ethyl ether content of the oil of roses. L.M. Dranovskaya, G.P. Kondratskaya. Masl.-zhir. prom. 28 no. 12:34 D '62.

Thermodynamics and kinetics of diethyl ether dehydration on aluminum oxide. I.M. Kolesnikov. Neftekhimika 2 no. 5:738-749 S-O '62.

ETHYLENE

Catalytic oxidation of ethylene in the presence of aqueous solutions of palladium salts. K.I. Matveev and others. Khim. i kat. 3 no. 5:681-673 S-O '62.

Economic aspects of the production of vinyl chloride and polyvinyl chloride. I.U. T. Llvshits, N.P. Fedorenko. Plast. massy no. 11:40-52 '62.

Polymerization of ethylene and some other vinyl monomers with soluble catalytic systems. A.V. Topchiev, L.L. Stetskaya, B.A. Krentsel'. Plast. massy no. 12: 3-12 '62.

ETHYLENE ALCOHOL see Glycols

ETHYLENE OXIDE

Catalysis for ethylene oxide polymerization. O.V. Krylov, I.U. E. Sintak. Neftekhimika 2 no. 5:688-696 S-O '62.

Formation of the active surface of ethylene oxide polymerization catalysts. O.V. Krylov, M.I.A. Kushnerev, E.A. Fokina. Neftekhimika 2 no. 5:697-704 S-O '62.

Interaction of arylchlorophosphines with cyclic oxides. Part 5: Reaction of chlorophenylchlorophosphine with ethylene oxide. E.L. Gelfer, I.A. Regacheva, Zhur. ob. khim. 32 no. 12:3062-3065 D '62.

ETHYLENEDIAMINE

Chemistry of selenophene. Part 42: Synthesis of tetra-substituted ethylenediamines of the selenophene series. I.U. K. Ust'ev, M.A. Gal'bershtam. Zhur. ob. khim. 32 no. 12:3022-3025 D '62.

ETHYLENIMINE

α -Aryl-N-ethyleniminocarbonyls. R.G. Kostionovskii, V.F. Bystrov. Izv. AN SSSR, Otd. khim. nauk no. 1:171-173 '63.

Gammat constants of the ethylenimine cycle. V.F. Bystrov, O.A. Iuzhakova, R.G. Kostionovskii. Dokl. AN SSSR 147 no. 4:843-846 D '62.

ETRURIANS

"Etrurians" [in English] by R. Block. Reviewed by N.I. Golubnova. Vop. ist. 30 no. 1:132 Ja '63.

EUCRYPTITE

Study of synthetic and natural eucryptite. V.A. Kolesova. Izv. AN SSSR, Otd. khim. nauk no. 1:187-190 '63.

EUGENOL—SPECTRA

Quantitative analysis of a mixture of eugenol, chavicol, and o-eugenol using infrared spectroscopy [with summary in English]. I.A. V. Roshko, S.G. Mol'kanovitskaya. Zhur. anal. khim. 17 no. 6:751-753 S '62.

EUPROCTIS

Age differences in the brown-tail moth Euproctis chrysorrhoea L. N.N. Egorov, T.N. Solozhenikina. Zashch. rast. ot vred. i bol. 5 no. 3:43 Mr '60.

EURASIA—FROZEN GROUND

Permafrost formations in the steppes and deserts of Eurasia. B.A. Fedorovich. Trudy Kom. chety. per. 19:70-100 '62.

EUREKA, AUSTRALIA—YOUTH—SOCIETIES, ETC.

Australia: The "EUREKA" youth league. Mol. mira no. 11:12:23 '61.

EUROPE—ECONOMIC INTEGRATION

Imperialist "integration" and the contradictions of capitalism. E. Gnedin. Vop. ekon. no. 12:78-83 D '62.

EUROPE—HISTORY

Two maniacs are raving in Europe; excerpts from monologs (to be continued). A. Eden. Mezhdunar. zhizn' 10 no. 3:106-113 Mr '63.

EUROPE—POLITICS

Marx, Karl, and Friedrich Engels. [Collected works] Sochinenia. Izd. 2. Moskva, Gospolitizdat. Vol. 28. 1932. xxx, 707 p.

EUROPE—SECURITY, INTERNATIONAL

The peace treaty and European security. D. Efimov. Mezhdunar. zhizn' 10 no. 3:13-11 Mr '63.

EUROPE, EASTERN—AGRICULTURE

[The agriculture of our friends] Sel'skoe khoz'iatstvo nashikh друзей, Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. V Seriya: Sel'skoe khoz'iatstvo, no. 3)

EUROPE, EASTERN—AGRICULTURE—CONGRESSES

Symposium on the Agrarian History of Eastern Europe. A. M. Anfimov. Vest. AN SSSR 33 no. 1:127-128 Ja '63.

EUROPE, EASTERN—BANKS AND BANKING

International Socialist Bank. Nov. vrem. 20 no. 3:15 Ja '63.

EUROPE, EASTERN—CAPITAL INVESTMENTS—CONGRESSES

Cooperation of socialist countries in comparing the efficiency of capital investments. Ekon. stroi. no. 1: 70 Ja '63.

EUROPE, EASTERN—CIVIL PROCEDURE

"Civil procedure in the European people's democracies," by A. F. Kleinman. Reviewed by L. Névy. Izv. vys. ucheb. zav. prav. 6 no. 4:166-170 '62.

EUROPE, EASTERN—CONSTRUCTION INDUSTRY—CONGRESSES

Cooperation of socialist countries in the field of the economics of construction. Ekon. stroi. no. 1:69 Ja '63.

EUROPE, EASTERN—CULTURE—BIBLIOGRAPHY

"Socialism and culture: the cultural revolution in the European people's democracies" by A. I. Arnoldov. Reviewed by P. F. Iudin. Vest. AN SSSR 33 no. 1: 120-131 Ja '63.

EUROPE, EASTERN—ECONOMIC POLICY

New stage in the economic cooperation of socialist countries. B. Miroshnichenko. Vop. ekon. no. 12:25-37 D '62.

The socialist internationalization of production. G. Karshin. Mezhdunar. zhizn' 10 no. 3:12-10 Mr '63.

EUROPE, EASTERN—EDUCATION—PERIODICALS

From the pages of foreign periodicals. I. A. Ginevskii. Sov. pedagog. 26 no. 8:142-147 Ag '62.

EUROPE, EASTERN—EFFICIENCY, INDUSTRIAL

Powerful influence of an example. O. Ternovol. Oiv. na vop. trud. no. 9:20-28 S '62.

EUROPE, EASTERN—POWER ENGINEERING—COSTS

Cooperation in power engineering. I. U. Savenko. Plan. khoz. 40 no. 1:88-95 Ja '63.

EUROPE, EASTERN—SATIRE

What are people in our countries laughing at? Arnold Mostowicz, Jan Beran, László Tabi. Nov. vrem. 20 no. 1:18-20 Ja '63.

EUROPE, WESTERN—COMMERCE

Iudin, I. I. [The struggle for markets in Western Europe] Bor'ba za rynki v Zapadnoi Evrope. Moskva, Sotsekgiz, 1962. 86 p.

EUROPE, WESTERN—FOREIGN ECONOMIC RELATIONS—JAPAN

Japan and the "Common Market." B. Pospelov. Az. i Afr. seg. no. 1:9-11 Ja '63.

EUROPE, WESTERN—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

"Common Market" is a new form of colonialism. Abdo-laziz Bellal. Az. i Afr. seg. no. 1:20-31 Ja '63.

EUROPE, WESTERN—FOREIGN RELATIONS—UNITED STATES

"Review session" in the West. A. Gorokhov. Mezhdunar. zhizn' 10 no. 2:7-17 F '63.

EUROPE, WESTERN—POLITICS AND GOVERNMENT

Atlantic discord. Vladimir Osipov. Nov. vrem. 20 no. 6:3-6 F '63.

EUROPEAN ECONOMIC COMMUNITY

Atlantic discord. Vladimir Osipov. Nov. vrem. 20 no. 6:3-5 F '63.

The background of the deadlock in Brussels. S. Madzoevskii. Mezhdunar. zhizn' 10 no. 3:84-92 Mr '63.

"Common Market" is a new form of colonialism. Abdo-laziz Bellal. Az. i Afr. seg. no. 1:20-31 Ja '63.

The Council for Mutual Economic Assistance and the European Economic Community. I. U. Bellav, V. Tandi. Mezhdunar. zhizn' 10 no. 2:18-25 F '63.

The crisis deepens. Nov. vrem. 20 no. 6:1-2 F '63. The crisis of "Atlanticism." I. Ermashev. Nov. vrem. 20 no. 4:4-8 Ja '63.

Japan and the "Common Market." B. Pospelov. Az. i Afr. seg. no. 1:9-11 Ja '63.

A kick from the Common Market. D. Zaslavskii. Nov. vrem. 20 no. 7:17 F '63.

New form of international economic contacts. Sh. Ull'ma-baev, S. Khelifa. Komm. Uz. 34 no. 10:60-76 O '62.

One hundred days without a government. Erwin Zuckerschilling. Nov. vrem. 20 no. 7:24-25 F '63.

Scalene triangle. V. Nekrasov. Kommunist 38 no. 3: 100-105 F '63.

Three simple truths. N. Usipenko. Nov. vrem. 20 no. 7:4-6 F '63.

Vetlanin, V. A. [France and West Germany in the "Common Market."] Frantsia i Zapadnaia Germaniia v "Obshchem rynke." Moskva, Izd-vo IMO, 206 p.

EUROPEAN WAR, 1914-1918

Bolshevik influence on the world youth movement during the First World War [with summary in English]. V. V. Privolov. Vest. LGU 17 no. 20:153-156 '62.

EUROPEAN WAR, 1914-1918—DIPLOMATIC HISTORY

History of a secret plan; Cedenstrom's negotiations with Mussolini. Submitted by A. S. Korneev. Ist. arkh. 8 no. 5:96-112 S-O '62.

EUROPIUM

Deformation splitting of lines in the spectra of alkaline earth fluoride crystals activated with Sm and Eu divalent ions. A. A. Kaplanskii, A. K. Przhdevskii. Opt. i spektr. 13 no. 6:882-884 '62.

EUROPIUM OXIDE

Determination of europium oxide in rare earth oxides by the method of square-wave polarography. B. I. A. Kaplan, I. A. Sorokovskaya. Zav. lab. 28 no. 12:1424-1427 '62.

EURYGASTER

Express method for determining damages caused by the shield bug Eurygaster integriceps to grain. D. M. Paikin. Zashch. rast. ot vred. i bol. 5 no. 5:47-48 My '60.

Paikin, D. M. [The shield bug Eurygaster integriceps] Vrednaya cherepashka. Leningrad, Sel'khozizdat, 1962. 84 p. (Vrediteli i bolezni sel'skokhoziaistvennykh rastenii)

(DNAI)

EURYGASTER—EXTERMINATION

(see also subdivision under Roslov Province; Ukraine)

Effect of the biological preparation beauverin on the fertility of the shield bug Eurygaster integriceps. T. A. Shehurina. Zashch. rast. ot vred. i bol. 5 no. 5: 35-36 My '60.

Observing the shield bug Eurygaster integriceps. L. S. Chernavina. Zashch. rast. ot vred. i bol. 4 no. 5:42 S-O '60.

Protecting "strong" wheat against the shield bug Eurygaster integriceps; from the practices of the "Rossiya" Collective Farm. L. L. Andreev, N. D. Pisarev. Zashch. rast. ot vred. i bol. 5 no. 5:8-10 My '60.

EUTECTICS

Ebullimetric and cryometric determination of the degree of purity of organic compounds and eutectics. W. W. Swietoslawski. Zhur. fiz. khim. 36 no. 12: 2700-2703 D '62.

EVANGELISTIC SERMONS

Faxon, Ruth. [Rivers of living water, how obtained, how maintained; studies setting forth the believer's possessions in Christ. Translated from the English] Reki vody zhivoi, kak ikh obresti - kak sokhranit'; Issledovaniye slova Bozhiya po voprosu o bogatstve slavyanogo naslediya, vo Khriste Iisuse dlia veruiushchego. 3. Izd., peresm. i dop. [Paris, Russkoe evangel'skoe dvizhenie, 1949]. 132 p. (NNC)

EVAPORATION

Concentration by evaporation of rare elements in steppes and deserts. S. G. Batulin. Vop. geog. no. 59:158-163 '62.

Electroconductivity of brass as dependent on the degree of zinc evaporation. V. S. Baranetskiy, G. G. Maksimovich. Vop. mekh. real. i ver. tela no. 1:131-135 '62.

Evaporation of hafnium dioxide. S. A. Shchukarev, G. A. Semenov. Izv. vyz. ucheb. zav. i khim. i tekhn. 5 no. 5:845 '62.

Evaporation of zinc from brass at elevated temperatures. G. G. Maksimovich. Vop. mekh. real. i ver. tela no. 1: 76-79 '62.

Mass spectrometric study of NbO evaporation. S. A. Shchukarev, G. A. Semenov, K. E. Frantseva. Izv. vyz. ucheb. zav. i khim. i tekhn. 5 no. 5:891-893 '62.

Mechanisms underlying evaporation and viscous flow and the structure of condensates [with summary in English]. G. M. Martynkevich. Ukr. fiz. zhur. 7 no. 8: 869-874 Ag '62.

EVENING AND CONTINUATION SCHOOLS

(see also subdivision under Moscow)

Akademiya pedagogicheskikh nauk RSFSR, Moscow. Nauchno-issledovatel'skii institut vechernikh (smennykh) i zaochnykh srednikh shkol. [Improving the vocational qualifications of students of evening (staggered) schools] Povysheniye professional'noi kvalifikatsii uchashchikhsia vechernikh (smennykh) shkol. Pod red. O. F. Fedorovoi. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 134 p. (Pedagogicheskie chteniia)

Akademiya pedagogicheskikh nauk RSFSR, Moscow. Nauchno-issledovatel'skii institut vechernikh (smennykh) i zaochnykh srednikh shkol. [Methods for increasing the efficiency of educational work in the evening (staggered) schools] Puti povysheniia effektivnosti uchebnoi raboty v vechernei (smennoi) shkole. Pod red. G. D. Kirillovoi i I. I. Finkel'shteina. Moskva, Izd-vo APN RSFSR, 1962. 62 p. (Pedagogicheskie chteniia)

Examinations should be given despite questioning. E. Nikanorova, A. Demchenko, A. Gutman. Nar. obr. no. 1: 55-56 Ja '63.

Instructive experience. K. Kentakli. Nar. obr. no. 1: 51-55 Ja '63.

Makeev, A. G. [The way to knowledge] Put' k znaniiu. [Moskva] Profizdat, 1959. 54 p. (NNC)

Suggestions deserve support. M. V. Varha. Rad. shk. 41 no. 12:66-67 D '62.

Trutnev, M. P. [Organization and methods of operation in schools for working youth] Organizatsiia i metody raboty v shkolakh rabochei molodezhi. Izd. 2., ispr. i dop. Moskva, Gos. uchebno-pedagog. izd-vo, 1958. 148 p. (IU)

Vysotska, L. A. [Training evening (staggered) school students in a conscientious attitude toward study] Vospitaniye soznatel'nogo otnosheniia k ucheniu u uchashchikhsia vechernoi (smennoi) shkoly. Moskva, Izd-vo APN RSFSR, 1962. 49 p.

EVENKI NATIONAL AREA—ECONOMIC GEOGRAPHY

Kovlazin, N. M., and K. G. Kuzakov. [Soviet Evenki National Area; a sketch of its economic geography] Sovetskaya Evenkiia; ekonomiko-geograficheskii ocherk. Pod obshchei red. V. N. Uvachana. Moskva, Izd-vo Akad. nauk SSSR, 1963. 187 p.

EVICTON

Legal effects of the refusal of public prosecutors to approve the eviction of tenants by administrative agencies. R. Gukasian. Sov. iust. no. 24:21 D '62.

EVIDENCE, EXPERT

Discussing the problems of multipurpose expertise. I. I. Petrakhin. Izv. vyz. ucheb. zav. prav. 6 no. 4:161-183 '62.

How forensic expertise prevents criminal offenses. V. Zudin. Sov. iust. no. 21:17-18 N '62.

Significance of the explicit and presumptive findings of experts for the pretrial investigation and judicial examination of criminal cases. S. V. Borodin, A. I. Pailashvili. Izv. vyz. ucheb. zav. prav. 6 no. 4:95-102 '62.

We shall organize a central institute for studying the methods of forensic expertise. Sov. iust. no. 21:22 N '62.

EVIDENCE, REAL

Procedural problems relating to the presentation of real evidence. V. Koldin. Sots. zakon. 40 no. 1:68-70 Ja '63.

EVLIYA, EFFENDI, ca. 1611-ca. 1682

Evliya Chelchib'i "Book of voyages" as a source for the social and economic history of western Armenia in the 17th century [in Armenian with summary in Russian]. M. K. Zulalian. Ist. i filol. zhur. no. 4:129-142 '62.

EVOLUTION

Basic trends in the ecological development of Ruminantia. K. K. Pterov. Paleont. zhur. no. 4:31-42 '62.

Characteristics of the evolution of muscles and formations of connective tissues in the soft section of the manus and the foot of mammals. R. H. Radvil'ska. Prati inst. zool. AN URSS 10:50-55 '62.

Lebedev, N. V. [Lecture course on Darwinism] Kurs teorii po darvinizmu. [Moskva] Izd-vo Mosk. univ., 1962. 341 p.

EXCAVATING MACHINERY

(see also subdivision under Sweden)

Combined determination of the parameters of systems of strip mining and haulage equipment when using powerful rotary-bucket excavators. I. U. A. Chernegov. Nauch. soob. IGD 14:3-15 '62.

Digging conditions of a straight shovel with constant cutting angles. K. V. Volkov. Stroi. i dor. mash. 7 no. 11:13-15 N '62.

Dragline mounted on the base of the TL-5 winch. L. Kos'tanenko. Les. prom. 40 no. 11:18-19 N '62.

Efficient designs of excavator buckets. I. U. A. Veitov. Stroi. i dor. mash. 7 no. 11:15-16 N '62.

Floating or track-laying shovel excavator. I. U. S. Roffe. Stroi. i dor. mash. 7 no. 12:1-3 D '62.

Improving the reversing gear clutch. I. D. Aleshin. Stroi. i dor. mash. 7 no. 11:34 N '62.

The KSM-35 ditch and well digging machine. M. I. Kharitonenko. Zashch. rast. ot vred. i bol. 5 no. 3: 9-11 Mr '60.

The problem of the shape of the hydraulic excavator connection piece. K. G. Asatur. Gidr. stroi. 33 no. 11: 48-49 N '62.

Renovation of the ER-5 wheel excavator. Prom. stroi. i inzh. soor. 4 no. 5:56 S-O '62.

Renovation of the KM-1400 trench digger. F. Kukhtil, A. Vinokurov, V. Korzunskii. Prom. stroi. i inzh. soor. 4 no. 5:54 S-O '62.

"Universal construction shovel excavators" by S. M. Borisov. Reviewed by P. I. Kokh. Stroi. i dor. mash. 7 no. 11:38-39 N '62.

EXCAVATING MACHINERY—EQUIPMENT AND SUPPLIES

Increase the life of parts of working equipment of the SF-3 and FK-4 excavators. A. I. Drok. Stroj. i dor. mash. 7 no. 12:3-6 D '62.

EXCAVATING MACHINERY—TESTING

Studying the characteristics of EGL-15 and the EVG-15 excavators under operating conditions. I. M. Gomozev. Gor. zhur. no. 5:36-41 My '62.

EXCAVATIONS (ARCHAEOLOGY) see subdivision under Dalmatian region; Novocherkassk

EXCISION OF KNEE

Technique for resection of the knee joint with the use of compression. V. G. Beletskii. Zdrav. Bel. 8 no. 12: 42-45 D '62.

EXCITONS

Crystal optics and the exciton theory. V. N. Piskovoi. Fiz. tver. tela 5 no. 1:158-169 Ja '63.

Effect of exciton entrainment by charged quasi-particles. S. L. Koroluk. Fiz. tver. tela 5 no. 1:352-353 Ja '63.

Piezomagneto-optical study of quadrupole exciton transition in Cu_2O crystals. V. T. Agekian and others. Fiz. tver. tela 5 no. 1:315-319 Ja '63.

Rayleigh scattering in crystals. L. N. Ovander. Fiz. tver. tela 5 no. 1:21-25 Ja '63.

EXCRETION

Data on the distribution and excretion of titanium from the organism in inhalation poisoning with titanium tetrachloride. I. V. Sanotskii, M. D. Babina, Toka. nov. prom. khim. veshch. no. 4:128-133 '62.

EXECUTIONS (LAW)

Let us simplify the procedure in the execution of adjudged sums. O. Levit. Sov. iust. no. 21:26 N '62. We cannot tolerate such attitude to the decisions of Soviet courts. A. Pecherskii. Sov. iust. no. 24:10 D '62.

EXECUTIVES see subdivision under United States

EXERCISE THERAPY

Putlova, A. A. [Prevention of deformities in paralysees following poliomyelitis and therapeutic gymnastics] Profilaktika deformatsii i lecheniia gimnastika pri paralichakh posle poliomyelita; metodicheskoe posobie dlia vrachov i metodistov. Kiev, Gosmedizdat, USSR, 1961, 127 p. (Biblioteka prakticheskogo vracha) (DNLM)

EXHAUSTION see Fatigue

EXISTENTIALISM

"The philosophy of man: Marxism and existentialism" [in Polish] by Adam Schaff. Reviewed by V. I. Svintsov. Vop. filoz. 17 no. 1:167-172 '63.

EXOBASIDIUM see subdivision under Maritime Territory

EXPERIMENTAL PATHOLOGY see Pathology, Experimental

EXPERT EVIDENCE see Evidence, Expert

EXPLOSIONS

The efficiency of explosions. A. I. Apin', N. F. Volina, I. A. Lebedev. PMTF no. 5:106-108 S-O '62. Explosions in sandy grounds. V. M. Tsvetkov. PMTF no. 5:150-153 S-O '62.

EXPLOSIVES

Critical diameter for the detonation of liquid explosives. A. N. Dremmin. Dokl. AN SSSR 147 no. 4:870-873 D '62.

EXPLOSIVES—TRANSPORTATION

Charging unit. L. I. Glushkin. Ognepopy 27 no. 12:544-545 '62.

EXPLOSIVES IN SHEET-METAL WORK

Explosion treats metals. R. Pikhlovnykov. Nauka i zhytla 12 no. 7:13-14 Ji '62. Investigating high speed (explosive) hole punching with use of a hard punch. K. I. Zaitsev. Kuz. -shitan, proizv. 4 no. 12:22-28 D '62.

EXPONENTIAL FUNCTIONS see Functions, Exponential

EXTRACTION (CHEMISTRY)

Extraction of boric acid from diluted solutions in the form of borotartrates [with summary in German]. E. Svarce, A. Fevins. Izv. AN Latv. SSR no. 4:67-71 '61.

Isoplastic method of determining solvate numbers during extraction. E. V. Komarov. Radiokhimiia 4 no. 8:633-638 '62.

Mechanism of UVF extraction with tridecylamine fluoride solutions. V. M. Vdovenko, A. A. Lipovskii, S. A. Nikitina. Radiokhimiia 4 no. 8:625-632 '62.

Nonisothermal step extraction with the yield of high concentration micelles. A. G. Nesholudim. Masl. -zhir. prom. 28 no. 12:8-13 D '62.

Preparation of antimony-125 without carrier by the extraction with oxygen-containing solvents. O. M. Dekar, B. Z. Iofa. Radiokhimiia 4 no. 8:744-746 '62.

EXTREMITIES (ANATOMY)

Characteristics of the evolution of muscles and formations of connective tissues in the soft section of the manus and the foot of mammals. R. H. Radvlov'ska. Pratsi Inst. zool. AN URSS 18:50-65 '62.

Functional analysis of the morphology of the muscles of the pelvic limb in some birds. V. P. Usenko. Pratsi Inst. zool. AN URSS 18:77-86 '62.

EXTREMITIES (ANATOMY)—BLOOD SUPPLY

Ontogenesis and phylogenesis of the main blood vessels of the thoracic limb in mammals. P. M. Mazhula. Pratsi Inst. zool. AN URSS 18:20-49 '62.

EXTRUSION (METALS)

Extrusion of a pipe billet of titanium and its alloys. I. U. F. Shevakin, I. I. Rusanovich, I. I. Potapenko. Sbor. inzh. stal i uplav. no. 40:443-450 '62.

EXTRUSION PROCESS

Extrusion process; make way for the new technology. V. Turulin. Tekh. mol. 30 no. 12:5, 31 '62.

EYE

Cybernetics of the eye. R. Svoren'. NTO 4 no. 9:60-61 S '62.

EYE—DISEASES AND DEFECTS

Bukshpan, E. I. [Fundus oculi in normal and pathological pregnancy (toxicosis)] Glaznoe dno pri normal'noi i patologicheskoi beremennosti (toksikozakh). Moskva, Medgiz, 1962, 165 p. (DNLM)

EYE—SURGERY

Struggle against blindness. M. Korejwo. Nauka i zhytla 12 no. 7:52 Ji '62.

EYE—TENSION see Intraocular pressure

EYE—WOUNDS AND INJURIES

Study of intraocular pressure in patients with chemical burns of the eyes. D. S. Kovalov. Zdrav. Bel. 8 no. 12:47-49 D '62.

EYEBROWS—SURGERY

Transplantation of skin from the hairy portion of the scalp for restoration of the eyebrows in leprosy patients. A. S. Idrisov. Zdrav. Kazakh. 22 no. 7:14-15 '62.

FABLES

Mikhalkov, S. V. [Pegasus and the poet; fables] Pegas i poet; basni. Leningrad, Khudozhnik RSFSR, 1962, 27 p. (MI)

FAÇADES see subdivision under Vladivostok

FAÇADES—ESTIMATES see subdivision under Azerbaijan

FACIAL PARALYSIS see Paralysis, Facial

FACTORIES see subdivision under Leningrad

FACTORIES—DESIGN AND CONSTRUCTION

(see also subdivision under Moldavia) Building without skylights. B. Orlovskii. Okhr. truda i sois. strakh. 6 no. 1:20 Ja '63.

Selecting the type and capacity of meat industry enterprises under construction. P. Boldyrev, N. Kaplan, A. Gurevich. Mias. ind. SSSR 33 no. 6:29-33 '62.

FACTORIES—HEATING AND VENTILATION

Nozzle for distributing inflowing air in shops of a plant. A. V. Pashent'syn. Vod. i san. tekhn. no. 12: 22 D '62.

FALLING-STARS see Meteors

FALLOWING see subdivision under Kostroma Province

FAMILY

Simple life. I. U. Skrylev. Sem'ia i shkola 17 no. 11: 14-16 N '62.

FANAGORIYA see Phanagoria

FAR EAST—DESCRIPTION AND TRAVEL

Volto, V. I., and L. A. Ponomareva. [Away from the ocean routes] V storonu ot morskikh dorog. Moskva, Geografiz, 1962, 101 p. (Puteshestviia, priklucheneniia, fantastika)

FAR EAST—GEOPHYSICAL RESEARCH

Geophysical research in Siberia and the Far East. E. E. Fotiad, Vest. AN SSSR 33 no. 1:16-20 Ja '63.

FAR EAST—OCEANOGRAPHIC RESEARCH

Volto, V. I., and L. A. Ponomareva. [Away from the ocean routes] V storonu ot morskikh dorog. Moskva, Geografiz, 1962, 101 p. (Puteshestviia, priklucheneniia, fantastika)

FAR EAST, SOVIET see Soviet Far East

FARADAY EFFECT

Use of the Faraday effect in determining the effective electron mass in GaAs. I. I. Ukhonov. Fiz. tver. tela 5 no. 1:108-111 Ja '63.

FARM BUILDINGS

(see also subdivision under Gorki Leningradye; Leningrad Province)

Fibrolite in rural construction. K. Novachuk. Sel. stroi. 15 no. 4:16-20 Ap '60.

Flourish, virgin land! Komsom. zhizn' no. 14:27-30 Ji '62.

Grodskii, E. Ia., and A. B. Grodek. [Mesh-reinforced concrete elements for rural buildings structures] Armatsmentnye konstruktivnye sel'skikh zdani i sooruzhenii. Moskva, Gosstroizdat, 1962, 66 p.

FARM EQUIPMENT

Assembly and use of the VET-200 water heater. V. Smirnov. Tekh. v sel'khoz. 22 no. 11:30-33 N '62.

FARM MANAGEMENT

(see also subdivision under Estonia; Tyumen' Province)

Production brigade is the basis of work organization in agriculture. A. G. Shmakov. Dokl. TSKHA no. 75:175-186 '62.

Progressive forms of work organization. I. U. Proskurin. Ekon. sel'khoz. 34 no. 1:114-115 Ja '63.

Size of socialist agricultural enterprises. S. G. Kolesnev. Dokl. TSKHA no. 50:63-70 '60.

FARM MANURE

Ammonia nitrogen content of peat manures [with summaries in English, German, and French]. L. A. Gorskova, S. G. Kocher. Vest. sel'khoz. nauki 7 no. 10:18-20 O '62.

Forms of phosphorus in farm manure [with summaries in English, German, and French]. E. I. Shkonde. Vest. sel'khoz. nauki 7 no. 11:54-58 N '62.

FARM MANURE—TRANSPORTATION

Tractor sledges for farm manure hauling. A. Odintsov. P. Zolotarevskii. Tekh. v sel'khoz. 22 no. 11:15-18 N '62.

FARM MECHANIZATION

(see also subdivision under Chkalovsk District; Moscow Province; Rubtsovsk District; Tula Province; White Russia)

Classification of automated technological processes in farming. A. N. Mikhailov, P. M. Ruzantsev. Mekh. i elek. sots. sel'khoz. 20 no. 6:25-29 '62.

And everybody must know how. I. U. Palatov. Sov. profsoyuz 19 no. 1:10 Ja '63.

Improve the work of mechanized sections. A. Cheshev. Ekon. sel'khoz. 34 no. 1:11-17 Ja '63.

Maintain permanent cadres of mechanizers. Part. zhizn' no. 4:24-26 F '63.

Mel'nikhenko, V. P., I. B. Granovskii, and A. A. Datsenko. [Over-all mechanization of sugar-beet growing and harvesting] Kompleksnaia mekhanizatsiia vozdel'vaniia i uborki sakharnoi svekli. Moskva, Proftekhizdat, 1962, 61 p. (DNAL)

Sokolov, I. A. [Without manual labor] Bez ruel'nogo truda. Moskva, Izd-vo "Znanie," 1963, 48 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no. 2)

Some problems concerning the automation of mobile agricultural machines. A. A. Dubrovskii, S. P. Gelfenbein. Mekh. i elek. sots. sel'khoz. 20 no. 6:21-25 '62.

Svotlichnyi, V. A., and others. [Over-all mechanization of sugar-beet growing and harvesting] Kompleksnaia mekhanizatsiia vozdel'vaniia i uborki sakharnoi svekli. Moskva, Proftekhizdat, 1962, 78 p. (DNAL)

Technological progress is the most important factor. Mekh. i elek. sots. sel'khoz. 20 no. 6:1-3 '62.

Theoretical premises for the automation of farming operations. P. M. Vasilenko. Mekh. i elek. sots. sel'khoz. 20 no. 6:30-34 '62.

FARM MECHANIZATION—ACCOUNTING

Accounting for the exchange issue of agricultural machinery in the branches of Farm Mechanization Agency. K. N. Kostin. Uchet i fin. v kolhoz, i sovkhos. 19 no. 5:51-53 My '62.

FARM MECHANIZATION—BIBLIOGRAPHY see Bibliography—Farm mechanization

FARM MECHANIZATION—CONGRESSES

A conference held at the Central Scientific Research Institute for Agricultural Mechanization and Electrification. Mekh. i elek. sots. sel'khoz. 20 no. 6:20 '62.

In the Central Research Institute of the Mechanization and Electrification of Agriculture in the Non-Chernozem Zone of the U.S.S.R. E. A. Zhuk. Trif. prom. 39 no. 8:31 '62.

FARM MECHANIZATION—FINANCE

Analysis of the financial and administrative operations of a Farm Mechanization Agency branch. N. Zakharov. Fin. SSSR 23 no. 12:78-83 D '62.

FARM MECHANIZATION—HYGIENIC ASPECTS see subdivision under Astrakhan Province

FARM MECHANIZATION—STUDY AND TEACHING
(see also subdivision under Moscow region; Sudogda District; White Russia)

Akademii pedagogicheskikh nauk RSFSR, Moscow. Institut proizvodstvennogo obucheniia. [Training students in farm mechanization and electrification] Podgotovka uchashchikhsia po mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Pod red. I.G. Kitaeva i V.A. Chichkova. Moskva, Izd-vo APN RSFSR, 1962. 50 p. (Pedagogicheskie chteniia)

A good start. A. Popov. Komsom. zhizn' no. 20:3-4 O '62.

"Let's train young machine operators." Book review. Nar. obr. no. 1:110-112 Ja '63.

Youth, take the helm! Komsom. zhizn' no. 20:2-3 O '62.

FARM PRODUCE—PRICES

Material incentives are an important condition for the development of the collective farm economy. T. Zaslavskaya. Polit. samosob. 5 no. 11:32-41 N '62.

FARM PRODUCE—STORAGE

How we struggle for the preservation of farm produce. A. Selutianov. Sots. zakon. 39 no. 12:21-22 D '62.

FARM PRODUCE—TRANSPORTATION

Work and honor are inseparable. V. Nikitina. Za rud. 20 no. 12:4-5 D '62.

FARMHOUSES

If you build a house. V. Nikolaev. Sov. Kras. krest 12 no. 4:25 Ji-Ag '62.

FARMS—VALUATION see subdivision under Moscow Province

FASCISM see subdivision under Germany, West

FASHION

[Fashion magazine] Zhur. mod 18 no. 4 Spring '63.

FASTENINGS

Calculating bolted group joints. A.I. Margulis. Vest. mashinost. 42 no. 12:25-28 D '62.

Spiral zippers. IU. Grechansk. Mest. prom. i khud. promys. 3 no. 11:23-24 N '62.

FAT METABOLISM

Carbohydrate and fat metabolism of cattle [with summaries in English, German and French]. V.A. Kaplan, V.A. Sviridenko. Vest. sel'khoz. nauk. 7 no. 5:50-63 My '62.

Fat metabolism of cattle with the atony of the rumen and during insulin treatment. A.S. Kinaev. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raiioniv. URSSR 14 no. 4:94-99 '61.

FATIGUE

Regenerative processes in the myocardium following extreme fatigue. L.I. Muzykant, L.A. Barakina. Sbor. trud. inst. khir. AN SSSR no. 1:14-33 '62.

FATIGUE, MENTAL

Influence of conveyor work on operators. Report No. 2: Functional changes in workers during a long operation consisting of many elements. V.G. Aseev. Dokl. APN no. 1:21-24 '62.

FATIGUE TESTING MACHINES

Fatigue testing machine for steel wire rope. B. N. Dorodnykh. Zav. lab. 20 no. 12:1522 '62.

FATTY ACIDS see Acids, Fatty

FAULTS (GEOLOGY)

(see also subdivision under Emba region; Flagdon region)

Role of faults in the formation of oil and gas fields in the outer zone of the Carpathian piedmont fault. A.K. Ivanov. Trudy Inst. geol. pol. iskop. AN URSSR 5:121-131 '62.

FEAR

Fear. A.V. Alekseev. Nauka i zhizn' 20 no. 11:90-97 N '62.

FEDOSKINO—LACQUER AND LACQUERING

Living miniature. L. Rubinshtein. Mest. prom. i khud. promys. 3 no. 11:30-31 N '62.

FEED GRINDERS

New machines for preparing silage paste. E. Zav'iatov, M. Tishchenko, I. Shestopalov. Tekh. v sel'khoz. 22 no. 11:33-36 N '62.

FEED MECHANISMS

Improving the feed mechanism of a semiautomatic lathe. L.A. Krivoshepin, M.N. Antonov. Mashinostroitel' no. 12:17 D '62.

Zig-zag magazines. Mashinostroitel' no. 12:40 D '62.

FEED MILLS

Separating corn germs at feed mills. P. Regida, M. Melnikov, M. Kuznetsov. Msk. -elev. prom. 28 no. 10:8 O '62.

FEED WATER

Method for calculating the duration between rinsing intervals in boilers with supercritical pressure. E.P. Dik, M.D. Panasenko. Elek. sta. 39 no. 10: 17-19 O '62.

FEED-WATER PURIFICATION

Adjustment of a preliminary purification system for preparing and proportioning milk of lime. A. Z. Aksel'rod. Energetik 11 no. 1:30-31 Ja '63.

Points from technical trade journals. Energetik 11 no. 1:36-37 Ja '63.

Testing of an industrial system for thorough chemical demineralization of condensate. V.P. Shvetsova. Teploenergetika 10 no. 1:58-61 Ja '63.

FEEDS

(see also subdivision under Altai Territory; Rostov-on-Don; United States)

Answering our readers' questions. Sov. deput. trud. no. 9:93-96 S '62.

Food wastes constitute seventy per cent of the feeds. I. Braun, M. Feigin. Obshchestv. pit. no. 12:21-23 D '62.

Growing vitamin-rich feeds by hydroponics. IU. P. Vasutinikii, F. S. Shagolan. Zemledelie 24 no. 12: 45-53 D '62.

Investigating biocycle losses in the filtration of culture liquids. T.M. Drazhner, Z.K. Ashkinazi, T.I. Bashloykina. Khar. prom. no. 4:50-51 O-D '62.

Make a more complete utilization of raw material resources for the production of dried protein feeds. Mias. ind. SSSR 33 no. 6:4-6 '62.

Mechanized swine-fattening barn. I. Litvinov. Sel', stol. 15 no. 4:10-12 Ap '60.

Specialized waste utilization plant. A. Zherdev, A. Skur'lin. Mias. ind. SSSR 33 no. 6:10-12 '62.

"Using domestic feeds" by V. M. Gribov. Reviewed by S. Ivanov. Zemledelie 24 no. 12:86 D '62.

Using meat industry wastes for the production of feeds. M. F. Volkoboi and others. Khar. prom. no. 4:55-59 O-D '62.

Utilization of technical raw materials of animal origin in Moldavian enterprises. S. Zhadobina. Mias. ind. SSSR 33 no. 6:7-10 '62.

FEEDS—ANALYSES

Control of the content of common salt in mixed feeds. D. Marnov. Msk. -elev. prom. 28 no. 10:9-10 O '62.

FEELINGS see Emotions

FELT

Continuous production line for the production of woolen slubbing for felt manufacture. A.V. Rezyakov, F.I. Kuzychev, T.A. Alekseeva. Tekst. prom. 22 no. 12: 66-69 D '62.

FELT BOOTS see Boots and shoes, Felt

FELTWORK

Kuz'michev, F.I., and M.I. Levin. [Manufacture of felt footwear and felt] Proizvodstvo valanov obuvi i volokov. Moskva, Gosmestpromizdat, 1962. 277 p.

FENCES see subdivision under Moscow

FEODOSIYA—SOVIETS

The work of a "temporary department of instruction and organization." G. Pantushenko. Sov. deput. trud. no. 6:62-67 Je '62.

FERGANA—FERTILIZER INDUSTRY

At the frontiers of large-scale chemistry. Igor' Ustimenko. Nar. khoz. Uzb. 4 no. 11:25-29 N '62.

FERGANA—RECLAMATION OF LAND

Beesons are burning. P. Chubov. Part. zhizn' [Uzb.] 5 no. 11:63-65 N '62.

FERMENTATION

Changes occurring in the viscosity of mould fungi culture during growth, and their effect on the efficiency of stirring. N.M. Sergeeva. Spirt. prom. 28 no. 8:4-7 '62.

Effect of the pH of the medium on determining the activity of the "Aspergillus oryzae" amyolytic ferments. M.I. Danilak, N.G. Cherevko, V.G. Starchak. Khar. prom. no. 4:78-78 O-D '62.

Experience in the use of pectolytic fermentation preparations. S.M. Kogan, A.D. Shavruk. Spirt. prom. 28 no. 8:34-35 '62.

Increasing the purity of fermentation preparations. M.S. Shub'unn. Spirt. prom. 28 no. 8:10-11 '62.

Make wider use of fermentation preparations in the industry. Spirt. prom. 28 no. 8:1-4 '62.

Regulation of fermentation processes in the rumen of ruminants. S. Zh. Hayis'kyi and others. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raiioniv. URSSR 14 no. 4:3-8 '61.

Second International Symposium on Continuous Culture of Micro-Organisms. V.IA. Larovenko. Spirt. prom. 28 no. 8:13-16 '62.

Stability of amyolytic ferments in storage. N.I. Danilak, N.G. Cherevko, R.A. Klepkova. Spirt. prom. 28 no. 8:11-12 '62.

FERMENTATION—EQUIPMENT AND SUPPLIES

"Technological equipment of fermentation industries" by V.I. Popov and others. Reviewed by G.I. Periman. V.G. Chusov. Spirt. prom. 28 no. 8:38-39 '62.

FERMI SURFACES

Cyclotron resonance and quantum oscillations of the surface resistance of bismuth [with summary in English]. M.S. Khaikin, R.T. Mina, V.S. Edel'man. Zhur. eksp. i teor. fiz. 43 no. 6:2063-2073 D '62.

Open cross sections of Fermi surfaces of cadmium, zinc, and thallium [with summary in English]. Zhur. eksp. i teor. fiz. 43 no. 6:2084-2104 D '62.

FERRATE CRYSTALS

Effect of crystallographic anisotropy on the parametric excitation of spin waves in ferrate single crystals. G.A. Petrakovskii. Izv. vys. ucheb. zav. ; fiz. no. 6: 29-37 '62.

FERRATE CRYSTALS—GROWTH

Domain structure of single crystals of ferrate garnets of yttrium, holmium, erbium, and gadolinium. A.I. Drokin, B.V. Boznoiikov. Kristallografiia 7 no. 3: 465-469 My-Je '62.

FERRATES

Hysteresis loop of cobalt-nickel ferrites. T.I. Bulgakova, L.S. Guzel. Vest. Mosk. un. Ser. 2:Khim. 18 [1. e. 17] no. 8:88-90 N-D '62.

Study of the low-frequency spectrum of magnetic noise. M.N. Kolachevskii, V.V. Rozhdentvennik. Radiotekh. i elektron. 8 no. 1:53-58 Ja '63.

Temperature of a sphere-shaped ferrite heated by microwave power absorbed at ferromagnetic resonance. G.D. Bogdanov. Radiotekh. i elektron. 8 no. 1:181-183 Ja '63.

FERROCENE

Synthesis of ferrocene analogs. E.B. Sokolova, M.P. Shebnova. Chzhou Khon-tazin' [Chou Heng-chen]. Zhur. ob. khim. 33 no. 1:217-220 '63.

FERROCENECARBOXYLIC ACID

Interaction of ferrocenecarboxylic acid nitrile with metalloorganic compounds and the preparation of di- and triferrocenylmethyl compounds. A.N. Nesmelanov and others. Izv. AN SSSR. Old. khim. nauk no. 12:2241-2243 D '62.

FERROCYNIDES

Oxidation reactions of ferrocyanide by some oxidizing agents as dependent on pH of the medium. P.A. Epik, F.I. Porchik. Izv. vys. ucheb. zav. ; khim. i khim. tekhn. 5 no. 5:703-708 '62.

FERROELECTRIC SUBSTANCES

Causes of the spreading of phase transition and the relaxation nature of dielectric polarization in some ferroelectrics. V.A. Isupov. Fiz. tver. tela 5 no. 1: 187-193 Ja '63.

Measurement of internal friction in ferroelectric single crystals by the piezoelectric oscillator method. K.A. Minaeva. Kristallografiia 7 no. 3:425-428 My-Je '62.

FERROMAGNETIC RESONANCE

Effect of volume and surface imperfections on the relaxation of spin waves in ferrites. G.A. Petrakovskii. Izv. vys. ucheb. zav. ; fiz. no. 6:125-131 '62.

FERROMAGNETISM

Effect of pressure on the magnitude of the threshold field and the temperature of the antiferromagnetic transformation of the MnAs₂ compound [with summary in English]. N.P. Grahdankina, K.P. Rodionov. Zhur. eksp. i teor. fiz. 43 no. 6:2024-2027 D '62.

Magnetic heat capacity of antiferromagnetic Co, Ni, Mn, and Fe carbonates [with summary in English]. I.N. Kalinkina. Zhur. eksp. i teor. fiz. 43 no. 6:2028-2037 D '62.

Nuclear spin-lattice relaxation in ferromagnetics and antiferromagnetics. L.L. Buiashvili. Fiz. tver. tela 5 no. 1:229-232 Ja '63.

On the coexistence of superconductivity and ferromagnetism [with summary in English]. A.I. Akhiezer, I.A. Akhiezer. Zhur. eksp. i teor. fiz. 43 no. 6:2209-2216 D '62.

On the nature of ferromagnetism induced by impurities [with summary in English]. A.A. Abrikosov, L.P. Gor'kov. Zhur. eksp. i teor. fiz. 43 no. 6:2230-2233 D '62.

Possibility of superconductivity in antiferromagnetics [with summary in English]. I.A. Priyortskii. Zhur. eksp. i teor. fiz. 43 no. 6:2255-2260 D '60.

FERROMANGANESE

Effect of silicon and potassium chloride on the production of potassium permanganate by electrolysis. M. IA. Gdzelskii, R. I. Agladze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:13-26 '62.

Preparation of hydrogen and potassium permanganate by the anodic solution of ferromanganese. R. I. Agladze, M. IA. Gdzelskii. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:3-11 '62.

FERROMANGANESE—TESTING

Fraility of carbon ferromanganese. L.I. Topchinskii. Izv. AN SSSR. Old. khim. nauk. Met. i topl. no. 6:55-60 N-D '62.

FERRO-SILICON-ELECTROMETALLURGY

Characteristics of the structure of the bath of a rotary ferroaluminum furnace. I. T. Zhardev and others. *Izv. vuz. ucheb. zav. chern. met.* 5 no. 12:61-66 '62.

FERTILIZATION OF PLANTS

Effect of the type of pistillate flowers in melons on the setting of fruit. T. N. Balashov. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:189-190 '62.

Pollination of alfalfa in the Virgin Territory. A. I. Ivanov. *Vest. sel'khoz. nauk i Kazakh.* 5 no. 11: 35-43 O '62.

Studying serial nutrition of buckwheat as related to pollination. Z. P. Pausheva. *Agrobiologiya* no. 6: 833-837 N-D '62.

Viability of pollen and stigmas of different sorgho varieties and the best methods for pollen preservation. V. A. Pronin. *Shor. stud. nauch.-issl. rab. TSKHA* no. 1:183-187 '62.

FERTILIZER INDUSTRY see subdivision under Pergana

FERTILIZER INDUSTRY-TECHNOLOGICAL INNOVATIONS see subdivision under Chirchik

FERTILIZER SPREADERS

The ATT-2 fertilizer spreader. N. I. Polunin. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 12:55-56 '62.

FERTILIZERS AND MANURES

(see also subdivision under Estonia; Moscow Province; Ukraine; Ural Mountain region)

Ladygina, I. A., and A. S. Ivanov. [Principles governing the use of fertilizers] *Osnovy primeneniia udobrenii. Moskva, Izd-vo "Znanie," 1962, 37 p. (Narodnyi universitet kul'tury. Sel'skokhoziaistvennyi fakul'tet, no. 12)*

Possibilities for increasing the production of local fertilizers. I. Kh. Teregulov. *Zemledelie* 24 no. 11: 55-60 N '62.

Preparation of mineral fertilizers. T. P. Fedorenko. *Khim. v shkolu* 17 no. 6:84 N-D '62.

Results of half a century's practice in applying fertilizers in crop rotations and to monocultures. V. E. Egorov. *Zemledelie* 24 no. 11:51-55 N '62.

Trace elements from mine rocks. I. A. Iantov'skiy. *Vysnyk slushop. nauky* 5 no. 12:84-86 D '62.

Using polymers in the preparation of compound fertilizers and their effectiveness. A. D. Khomenko. *Zemledelie* 24 no. 11:65-69 N '62.

FERTILIZERS AND MANURES-PRESERVATION AND STORAGE

Storing pent-mineral-ammonia fertilizers [with summaries in English, German, and French]. V. I. Lashnev, L. M. Maevskaya. *Vest. sel'khoz. nauki* 7 no. 11:27-30 N '62.

FERTILIZERS AND MANURES-STUDY AND TEACHING

(see also subdivision under Moldavia)

Study of phosphorus fertilizers in high school. A. G. Kocherova. *Uch. zap. Tif. gos. ped. inst.* no. 9:217-220 '60.

FERULA

Extraction of galbanic acid from *Ferula gummosa* Boiss. roots [with summary in English]. A. E. Bedniak. *Apt. delo* 12 no. 3:28-34 My-Je '62.

FESCUE see subdivision under Siberia, Eastern

FESSENKO, TATIANA (SVIATENKO) 1915-

Fessenko, Tatiana. [The tale of the ragged years] Povest' krivyykh let. New York, Izd. "Novogo Russkogo Slova," 1963, 220 p.

FETUS

Effect of obstetric manipulations and surgical methods on fetal cardiac activity. L. S. Pershinov, T. V. Chuvakova. *Vest. AMN SSSR* 17 no. 11:31-30 '62.

Electrocardiography of the fetus in the obstetrics clinic. I. V. Il'in, L. S. Pershinov, G. M. Savel'eva. *Vest. AMN SSSR* 17 no. 11:36-40 '62.

Humoral relations between the bodies of the mother and the fetus in their clinical and experimental aspects. O. E. Viazov and others. *Vest. AMN SSSR* 17 no. 11: 23-31 '62.

Physiological principles for the antenatal protection of the fetus; substantiation of the prevention of monsters and the physiological immaturity of newborn infants. I. A. Arshavskii, M. G. Nemets, Z. F. Surovtsova. *Vest. AMN SSSR* 17 no. 11:60-70 '62.

Problem of the interrelationship of the mother and fetus. N. L. Garmasheva. *Vest. AMN SSSR* 17 no. 11:10-23 '62.

FETUS-DISEASES

"Prenatal infections in man" [translated from the German] by Heinz Flamm. Reviewed by I. V. Gul'kevich. *Vop. okh. mat. i det.* 7 no. 9:92-94 B '62.

Principles and ways for the further development of antenatal prophylaxis of fetal diseases and perinatal mortality. M. A. Petrov-Maslovskiy, S. M. Bakker. *Vest. AMN SSSR* 17 no. 11:8-13 '62.

FEUDALISM see subdivision under China

FEVER

Postoperative hyperthermic syndrome in children. N. C. Georgiu. *Zdravookhraneniya* 5 no. 3:29-33 My-Je '62.

FLAGDON REGION-FAULTS (GEOLOGY)

Plan of faulting elements in the Flagdon ore deposit (central Caucasus). M. A. Savchenko. *Trudy inst. geol. nauk. AN URSR. Ser. zah. geol.* no. 1:143-149 '62.

FLAGDON REGION-ORE DEPOSITS

Plan of faulting elements in the Flagdon ore deposit (central Caucasus). M. A. Savchenko. *Trudy inst. geol. nauk. AN URSR. Ser. zah. geol.* no. 1:143-149 '62.

FIBER GLASS see Glass fibers

FIBER GLASS REINFORCED PLASTICS see Glass reinforced plastics

FIBERS-DRYING

Drying of thin sheet fiber in a fluidized bed of an inert granular material. V. D. Gvozdev, V. M. Sviatov, T. A. Krasodina. *Izv. vuz. ucheb. zav. khim. i khim. tekhn.* 5 no. 5:932-930 '62.

FIBULA (ARCHAEOLOGY) see subdivision under Kamenska Dneprovskaya

FIELD CROPS

(see also subdivision under Czechoslovakia; Kemerovo Province)

Stepanov, V. N., ed. [Plant growing] *Rastenievodstvo. Moskva, Gos. izd-vo sel'khoz lit-ry, 1959, 426 p. (Uchebniki i chebnye posobita dlia vysshikh sel'skokhoziaistvennykh uchelnnykh zavedenii) (DNAL)*

FIELD CROPS-DISEASES AND PESTS

(see also subdivision under Kazakhstan; Russia, Southern; Samarkand Province)

"Biology and conditions favoring parasitism in fungi of the genus *Botrytis*" by O. L. Rudakov. Reviewed by N. I. Vandyshina. *Zashch. rast. ot vred. i bol.* 5 no. 10:50-57 O '60.

Development of field crop diseases in 1959. K. M. Stepanov and others. *Zashch. rast. ot vred. i bol.* 5 no. 6:41-44 Je '60.

Methods for determining the degree of damage to field crops caused by grain flies. I. F. Pavlov, Zashch. rast. ot vred. i bol. 4 no. 5:42 S-O '60.

FIELD CROPS-VARIETIES see subdivision under Armenia

FIELD MICE see subdivision under Gols-Alal District

FIELD THEORY

Causality in contemporary field theory. D. I. Blokhintsev. *Atom. energ.* 14 no. 1:108-100 Ja '63.

Regularized theory of the system of fields. E. M. Lipmanov. *Uch. zap. Volg. gos. ped. inst.* no. 11:3-18 '59.

FILIPPENKO, ARKADII, 1912-

Children's songs of the composer A. Filippenko. L. L. Tripol'skaya. *Doshk. vosp.* 35 no. 9:105-106 S '62.

FILLERS (IN PAPER, PAINT, ETC.)-TESTING

Experimental verification of methods for determining the strength of porous fillers. G. A. Akopian. *Izv. AN Arm. SSR. Ser. tekhn. nauk* no. 4:53-62 '61.

FILMS, OPTICAL see Optical films

FILONENKO-BORODICH, MIKHAIL MITROFANOVICH, 1895-1962

Mikhail Mitrofanovich Filonenko-Borodich; obituary. *Vest. Mosk. un. Ser. 1: Mat., mekh.* 18 no. 1:74-78 Ja '63.

FILTERS AND FILTRATION

Divided washing of filters. P. F. Dagaev. *Gor. khoz. Mosk.* 30 no. 8:44-45 Ag '62.

Experience in installing and operating double-layer filters. I. U. B. Bagotskii. *Gor. khoz. Mosk.* 30 no. 8: 27-29 Ag '62.

Removing dust from the air by means of bag filters in mines of the Krivoy Rog Basin. V. V. Nedin, O. D. Neikov, F. I. Danchenko. *Gor. zhur.* no. 5:64-67 My '62.

Some approximate methods for solving problems concerning unsteady filtering of a gas. Lan Chizhan-shin' [Lang Chang-hsin]. *PMTF* no. 4:128-130 Ji-Ag '62.

FINANCE

(see also subdivision under Belgorod Province; Kemerovo Province; Kostroma Province; Terekhnadskiy District; Vol'ak; White Russia)

Allakhverdian, D. A., and others. [Finances of the U. S. S. R.] *Finansy SSSR.* Moskva, Gosfinizdat, 1962, 412 p.

Bragel', E. Ia. [Trade capital and trade profit. Loan capital and credit, and money circulation under capitalism] *Torgovyi kapital i torgovaya pribyl'. Soudnyi kapital i kredit. Denezhnoe obrashchenie pri kapitalizme.* Moskva, Izd-vo IMO, 1962, 141 p. (Leitsei po politicheskoi ekonomii, no. 8)

Business accounting of Soviet firms and Bank control through the ruble. S. Shitenko, I. A. Saidakovskii. *Den. i kred.* 20 no. 11:13-10 N '62.

Our readers' letters. *Fin. SSSR* 23 no. 12:71-72 D '62.

Plenum of the Central Committee of the Government Employees' Trade Union. *Fin. SSSR* 23 no. 12:80-90 D '62.

Replies to the editors. *Fin. SSSR* 23 no. 12:72-73 D '62.

Timely, wise and farsighted decisions. *Fin. SSSR* 23 no. 12:3-9 D '62.

FINANCE-AUDITING AND INSPECTION

A matter of great state importance. L. Motylev. *Fin. SSSR* 23 no. 12:30-34 D '62.

FINANCE-BIBLIOGRAPHY see Bibliography-Finance

FINANCIAL STATEMENTS

Preparation and the analysis of annual reports. G. Granovskii. *Bukhg. uch. i* 19 no. 12:1-4 D '62.

FINISHES AND FINISHING

Industrial wastes for finishing wall panels. I. Zhilkin. G. Giral'tel'. *Zhil. stroi.* no. 1:20-22 '62.

FINLAND-SWAMPS

"Vegetation and ecology of sloping fens in eastern Finland" [in German] by P. Havas. Reviewed by M. S. Bozh. *Bot. zhur.* 47 no. 11:1690-1691 N '62.

FINLAND-WOODPULP INDUSTRY

"Finland's woodpulp and paper industry." by V. Solomko. Reviewed by N. V. Rukhin, A. S. Shkarin. *Bum. prom.* 37 no. 12:33 D '62.

FINNS see subdivision under Leningrad Province

FIRE ALARMS

(see also subdivision under Latvia)

Contactless signaling apparatus. M. Zubova. *Pozh. delo* 9 no. 1:23-24 Ja '63.

FIRE DEPARTMENTS-EQUIPMENT AND SUPPLIES

Device for the protection of the hose operator. Nosonov. *Pozh. delo* 9 no. 1:25 Ja '63.

Materials of tomorrow. L. Alesandrov. *Pozh. delo* 8 no. 12:24 D '62.

FIRE ENGINES see subdivision under Czechoslovakia

FIRE EXTINCTION

Determining the amount of hose streams. A. Kudriashov. *Pozh. delo* 8 no. 12:18-19 D '62.

Effective cooperation. P. Rafe. *Pozh. delo* 9 no. 1:22 Ja '63.

FIRE EXTINCTION-CHEMICAL SYSTEMS

New apparatus. G. Popov. *Pozh. delo* 9 no. 1:25 Ja '63.

FIRE EXTINCTION-SOCIETIES, ETC. see subdivision under Zaporozh'ye Province

FIRE EXTINCTION-WATER SUPPLY

Protection of ice holes against freezing. T. Karmanov. *Pozh. delo* 9 no. 1:6 Ja '63.

Water systems with hydraulic rams. N. Gridin. *Pozh. delo* 9 no. 1:12 Ja '63.

FIRE PREVENTION

"Fire prevention" by A. N. Savushkina, V. M. Smirnov. Reviewed by A. Shirin. *Pozh. delo* 9 no. 1:31 Ja '63.

Following Lenin's course. *Pozh. delo* 9 no. 1:1-2 Ja '63.

"Fundamentals of safety engineering and fire prevention" by A. D. Volkov. Reviewed by D. Lavrov. *Pozh. delo* 9 no. 1:31 Ja '63.

New standards. *Pozh. delo* 9 no. 1:15 Ja '63.

Readers' letters. *Pozh. delo* 8 no. 12:31 D '62.

Readers' letters. *Pozh. delo* 9 no. 1:30 Ja '63.

Vocation. M. Rachevskaya. *Pozh. delo* 9 no. 1:7-8 Ja '63.

FIRE PREVENTION-RESEARCH

From theory to practical application. G. Ranchev. *Pozh. delo* 9 no. 1:10-21 Ja '63.

FIRE PREVENTION-STUDY AND TEACHING

Attention should be given to the students of correspondence courses. N. Tarnasov-Agaikov. *Pozh. delo* 9 no. 1:17-10 Ja '63.

Powerful means. A. Mikeev. *Pozh. delo* 8 no. 12:9-11 D '62.

FIRE PREVENTION-TECHNOLOGICAL INNOVATIONS

Proposals made by engineers. A. Rudakov and others. *Pozh. delo* 8 no. 12:25 D '62.

FIREBRICK

Brick dimensions for blast furnace air preheater tops. L. N. Shcherbakov. *Ogneupory* 27 no. 12:540-544 '62.

Developing a procedure for the manufacture of ladle brick from treated Chekmakul' kaolin and Baskul' clay. *Trudy Vost. inst. ognep., no. 2:189-190 '60.*

Grooved car bottoms for tunnel kilns. V. K. Shestopalov, G. A. Petrina. *Ogneupory* 27 no. 12:568-569 '62.

Irkutsk Province quartzites as a raw material for the production of dinas brick. T. S. Ignatova, N. V. Semkina. *Trudy Vost. inst. ognep.* no. 2:188-188 '60.

FIREBRICK—TESTING

Output and converter testing of a trial batch of unfired magnesite brick with resin bonding. A. A. Pirogov and others. *Ogneupory* 27 no. 12:533-539 '62.
Results of a competition for the production of greater resistance ladle brick. G. T. Bardagov. *Ogneupory* 28 no. 1:5-9 '63.

FIRECLAY see subdivision under Barzaz region; Buskul' region

FIRECLAY—OPTICAL PROPERTIES

Changes in the total index of light refraction of refractory clays and kaolins, depending on the temperature of their burning. K. K. Strelcov, T. F. Raichenko, Trudy Vost. inst. ognep. no. 2:162-169 '60.

FIRECLAY—TESTING see subdivision under Sverdlovsk Province

FIREMEN

A Communist is standing guard. M. Gusev. *Pozh. delo* 9 no. 1:16-17 Ja '63.

A matter of everybody's concern. I. Khodin. *Pozh. delo* 8 no. 12:27 D '62.

A young commander came to the fire department. V. Nazarov. *Pozh. delo* 8 no. 12:20 D '62.

FIREMEN—COMPETITIONS

The masters. N. Borsalo. *Pozh. delo* 9 no. 1:25 Ja '63.

FIREMEN—EDUCATION AND TRAINING see subdivision under Sweden

FIRES

Small negligence can be very dangerous. V. Shebeko. *Pozh. delo* 8 no. 12:15 D '62.

Smoke is a dangerous enemy. A. Faibishenko. *Pozh. delo* 8 no. 12:22 D '62.

FIRST AID IN ILLNESS AND INJURY

Do you have a home medicine chest? P. Lopatin. *Sem'ia i shkola* 18 no. 1:31 Ja '63.

FIRST OF MAY see May day (Labor holiday)

FISH CULTURE see subdivision under Moscow Province; Peik

FISHERIES see subdivision under Gur'yev Province; Hokkaido; H'men; Lake; Soviet Far East

FISHERY PRODUCTS—PRESERVATION

Fish drying by sublimation. A. K. Kaminskaya. *Khol. tekhn.* 39 no. 6:42-45 N-D '62.

FISHES

(see also subdivision under Atlantic Ocean; Vilyuy River)

New data on sound production by fishes [translated from the German]. H. Schneider. *Zool. zhur.* 41 no. 11: 1670-1680 N '62.

FISHES—FOOD see subdivision under Vilyuy Valley

FISHES—PHYSIOLOGY

Effect of a constant magnetic field on conditioned reflexes in sea fishes. I. A. Kholodov, G. L. Veravkina. *Trudy Belomor. biol. sta. MGU* 1:246-255 '62.

Effect of some physical factors on the susceptibility of fishes to direct electric current. I. A. Kholodov, K. B. Akhmedov. *Trudy Belomor. biol. sta. MGU* 1: 256-261 '62.

FISHPONDS see subdivision under Volochuk District

FISHWAYS

Along fish highways. B. Malevanchik, I. A. Natarus, *Znan. s'ia* 37 no. 10:38-40 O '62.

Construction and operation of fishways. I. A. Natarus. *Gidr. stroi.* 33 no. 11:50-52 N '62.

The possibility of using the bottom sluices of modern hydroelectric power stations as fishways. Z. M. Kipper, L. M. Nusenbaum. *Gidr. stroi.* 33 no. 11:47-48 N '62.

FISHION PRODUCTS

Partial fixation yields of isobutene with A-138. A. N. Apollonova, I. T. Krut'uk, V. N. Ushatskii. *Radiohimia* 4 no. 8:711-714 '62.

FLAGS see subdivision under Zvenigorod

FLAME

Diffusion heat stability of a laminar flame. G. I. Barenblatt, I. A. B. Zel'dovich, A. G. Istratov. *PMTF* no. 4: 21-28 Ji-Ag '62.

Heat distribution between heating and reaction zones in spherical flames. E. S. Semenov. *PMTF* no. 4:105-107 Ji-Ag '62.

Reflection of a shock wave from a burning surface. I. U. S. Riazantsev. *PMTF* no. 2:122-123 Mr-Ap '62.

FLAVONE

Preparation of new hydroxyflavone dyes and their analytical properties. A. P. Golovina, A. E. Martirosov. *Vest. Mosk. un. Ser. 2:Khim.* 10 [i.e. 17] no. 6:64-66 N-D '62.

FLAVONOIDS

Flavonoid compounds of *Glycyrrhiza glabra* L. V. I. Litvinenko, N. F. Maklutina, I. G. Kolesnikov. *Zhur. ob. khim.* 33 no. 1:200-209 '63.

FLAX

(see also subdivision under Porkhov District)

Height and branching of fiber flax plants sown in spring and on stubble. O. I. Koshechenko. *Nauk. pratsi asp. UASHN* no. 5:53-55 '60.

Quality of flax fiber obtained by spreading flax straw in strips of various width by modified combines. M. D. Polezhaeva. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:73-80 '62.

FLAX—PRICES see subdivision under Ukraine

FLXA BEETLES—EXTIRMINATION see subdivision under Kursk Province

FLESH FLIES see subdivision under Asia

FLEXURE

Experimental method for finding out design diagrams for complex cases of bending. I. P. Boksberg. *Nauch. trudy LTA* no. 94:16-22 '62.

Incidental bending moments acting on a ship's hull during rolling. N. V. Chetyrkin. *Trudy TSNIMF* 8 no. 42:71-85 '62.

FLIES

(see also subdivision under Leningrad Province)

Resistance of tissues in some synanthropic flies (Diptera, Calliphoridae and Muscidae) to high temperatures [with summary in English]. I. S. Amosova. *Ent. oboz.* 41 no. 4:816-826 '62.

FLIGHT CREWS

In response to readers' queries. K. Iankin, I. A. Prutkin. *Grazhd. av.* 19 no. 11:27 N '62.

One for all and all for one. N. Kuznetsov. *Grazhd. av.* 10 no. 9:12-14 S '62.

FLIGHT ENGINEERS

Why flight engineer Petrov is no more flying. D. Orlov. *Grazhd. av.* 19 no. 11:22 N '62.

FLIGHT TRAINING

(see also subdivision under Ul'yanovsk)

He keeps track of every man. N. Ushakov. *Komm. Vooruzh. Sil* 3 no. 1:54-55 Ja '63.

Teachers. O. Nazarov. *Av. i kosm.* 45 no. 1:49-52 Ja '63.

We have reserves. D. Vasilukov, N. Dremov. *Av. i kosm.* 45 no. 1:61-65 Ja '63.

FLOORS

Installing seamless mastic floors in industrial buildings. P. M. Mekhina. *Prom. stroi.* no. 10:36-38 '62.

Types of machines for finishing floors for 1960-1965. *Stroi. i dor. mash.* 7 no. 12:31 D '62.

FLOORS—VIBRATION

Decreasing the vibration of the floor. A. N. Maksimov. *Prom. stroi.* no. 10:43-44 '62.

FLOORS, CONCRETE

Rational types of floors with maximum factory finish. V. Shevchenko. *Stroi. i arkh. Mosk* 12 no. 1:24-27 Ja '63.

FLOTATION

(see also subdivision under Donets Basin)

Application of binders as an analytical reagent in the flotation of potassium salts. R. Zingals. *Izv. AN Latv. SSR* no. 4:171 '61.

Plaksin, I. N., and E. M. Chaplygina. [Flotation of nonsulfide minerals using gases] *Flotatsionnoe obogashchenie nesulfidnykh mineralov s primeneniem gazov*. Moskva, Izd-vo Akad. nauk SSSR, 1962, 134 p.

Present state of the flotation method of concentrating titanium-magnetite ores in ore dressing plants. M. S. Kozlov, N. L. Krasnoselov. *Titan i ego splavy* no. 8: 3-7 '62.

FLOTATION—EQUIPMENT AND SUPPLIES

Effect of chlorine ions on the flotation of cement copper. S. I. Mitrofanov, E. E. Rozin, V. I. Meshchaninova. *Izv. AN SSSR. Old. tekhn. nauk. Met. i topl.* no. 6:179-184 N-D '62.

Flotation of some nonsulfide minerals with emulsified oleic acid when there are gases present. S. N. Dorokhina. *Nauch. soob. IGD* 14:155-160 '62.

Tall oil as substitute for oleic acid. E. G. Pobokova, I. V. Petrova. *TSvet. met.* 35 no. 9:89-91 S '62.

FLOUR

Effect of preheating on the improvement of the baking characteristics of wheat flour. I. A. Sysoev, I. A. Auerman. *Khleb. i kond. prom.* 9, no. 12:5-9 D '62.

Methods for determining the technological properties of strong wheat. L. Lauberskii, N. Rusakova, N. Averkina. *Muk. -elev. prom.* 28 no. 12:5-8 D '62.

FLOUR—ANALYSIS

Chromatopolarographic method of determining the thiamine content of wheat flour. G. P. Tikhonirova, S. L. Blen'ka. *Khor. prom.* no. 4:68-80 O-D '62.

Equipment for the express method of determining moisture in flour. T. Dzharapidze. *Muk. -elev. prom.* 28 no. 10:22 O '62.

FLOUR MILLS

(see also subdivision under Belgorod-Dnestrovskiy; Stavropol Territory)

Possibilities of reducing power consumption by the pneumatic equipment of operating flour mills. A. Kemmer. *Muk. -elev. prom.* 28 no. 12:16-18 D '62.

Possibilities of reducing the cost of construction and assembly work. S. Ivanov. *Muk. -elev. prom.* 28 no. 12:20-21 D '62.

FLOUR MILLS—EQUIPMENT AND SUPPLIES

(see also subdivision under Bukovina)

Feeder for sieve purifying machines. N. Kalashnikov. *Muk. -elev. prom.* 28 no. 10:24-25 O '62.

Increasing the service reliability of the cross piece of sifters. M. Boriskin. *Muk. -elev. prom.* 28 no. 10: 23-24 O '62.

Multiwheel transmission between shafts. G. Gal'perin, A. Pelsakhovich. *Muk. -elev. prom.* 28 no. 10:25-26 O '62.

FLOUR MILLS—LABOR PRODUCTIVITY see subdivision under Tula

FLOUR MILLS—VENTILATION see subdivision under Moscow

FLOWERING OF PLANTS see Plants, Flowering of

FLOWERS see subdivision under Odessa

FLOWMETERS

Precision of the performance of volumetric flowmeters of low consumption. V. N. Vorob'ev. *Priborostroenie* no. 12:23-24 D '62.

FLOWOFF see Runoff

FLUES—AERODYNAMICS

Investigating the aerodynamics of a smoke flue in blast furnace air preheaters. V. N. Timofeev and others. *Sbor. nauch. trud. VNIIMT* no. 8:360-372 '62.

FLUID DYNAMICS

Calculation of turbulent friction and heat emission in jets using an equivalent problem of the theory of heat transfer. L. A. Vulis, I. L. Senderikhina. *Izv. AN Kazakh. SSR. Ser. energ.* no. 2:75-82 '62.

Nonuniformity of a plane velocity field. V. P. Vakhomchik. *Inzh. zhur.* 2 no. 4:270-286 '62.

Sagomonian, A. I. A. [Three-dimensional problems concerning the unsteady motion of a compressible fluid] *Prostranstvennye zadachi po neustanovivshemsya dvizheniu szhinamoi zhidkosti*. [Moskva] Izd-vo Mosk. univ., 1962. 78 p.

Study of the motion of a nonisothermal jet moving along a hard surface. V. R. Aubakirova, A. T. Trofimenko. *Izv. AN Kazakh. SSR. Ser. energ.* no. 2:55-62 '62.

Turbulent boundary layer of a plane plate. G. L. Gred-zovskii. *PMTF* no. 4:117-119 Ji-Ag '62.

FLUID MECHANICS

Asymptotic behavior of waves originated in a liquid of finite depth by an arbitrary initial rise of the free surface. R. M. Garipov. *Dokl. AN SSSR* 147 no. 6: 1306-1309 D '62.

Hydraulic characteristics of regenerative checkers. S. P. Kashtanova, V. N. Timofeev. *Sbor. nauch. trud. VNIIMT* no. 8:301-305 '62.

Investigating coefficients of heat transfer by convection and of the hydraulic resistance of new checkerwork shapes in blast furnace air preheaters. V. N. Timofeev, S. P. Kashtanova. *Sbor. nauch. trud. VNIIMT* no. 8:88-105 '62.

FLUIDIZATION

Design of a multichamber apparatus with a fluidized bed for cooling fine-grained materials [with summary in English]. A. P. Baskakov. *Inzh. -fiz. zhur.* 6 no. 1: 101-104 Ja '63.

Drying of thin sheet fiber in a fluidized bed of an inert granular material. V. D. Gvozdev, V. M. Sviatov, T. A. Krasotkina. *Izv. vys. ucheb. zav. i khim. i tekhn.* 5 no. 5:832-839 '62.

Effect of the composition of a fluidized bed on the content of hydrogen in steel. V. I. Baptizanskii, B. A. Baum, G. S. Ershov. *Stal'* 22 no. 12:1084-1086 D '62.

Effect of the geometrical characteristics of a fluidized bed and of a surface of heat transmission on heat transfer between the bed and the surface placed into the bed. N. I. Gal'perin, V. I. A. Kruglikov, V. G. Ainshtein. *Nauch. zap. Ukrniproekta* no. 8:23-33 '62.

Heat transfer between the fluidized bed and a single tube placed into the bed. N. I. Gal'perin, V. I. A. Kruglikov, V. G. Ainshtein. *Nauch. zap. Ukrniproekta* no. 8: 34-47 '62.

FLUIDS—THERMAL PROPERTIES

Some research work carried out at the State Research Institute of Heat Engineering in the field of temperature measurement and determination of thermophysical properties. I. Zemanek. *Teplo- i massoper.* 1:34-41 '62.

FLUORENEACRYLIC ACID

Chemistry of fluorene. Part 5: 2, 7-dichloro- β -1-fluorenoylacrylic acid. A. E. Kretov, V. V. Litvinov. Zhur. ob. khim. 33 no. 1:267-269 '63.

FLUORESCENCE—SPECTRA

Association nature of the concentration quenching of the luminescence of Na-fluorescein in aqueous and glycerol solutions. V. L. Levshin, L. V. Krotova. Opt. i spektr. 13 no. 6:809-818 '62.

FLUORESCENCE

Position of the upper electronic level and the oscillator force of the optical transition γ_{22}^0 $\sim 25,000$ cm⁻¹ in NO₂. V. N. Soshnikov. Opt. i spektr. 13 no. 6:874-875 '62.

FLUORESCENT LAMPS

Breakdown and development of a discharge in fluorescent lamps with starterless ignition. A. E. Novik. Svetotekhnika 8 no. 12:4-8 D '62.

Built-in fluorescent fixtures for industrial lighting. I. U. B. Aizenberg, V. F. Efimkina. Svetotekhnika 8 no. 12:9-13 D '62.

Light emission and flash duration of bulb-type discharge lamps. I. S. Marshuk and others. Svetotekhnika 9 no. 1:12-18 Ja '63.

Starting device for large tubular DKST 20000 xenon-filled lamps. A. L. Vasserman. Svetotekhnika 9 no. 1:7-12 Ja '63.

Switching on luminescent lamps without the use of a starter. K. Smirnov. Pzh. delo 8 no. 12:14-15 D '62.

FLUORESCENT LIGHTING

Built-in fluorescent fixtures for industrial lighting. I. U. B. Aizenberg, V. F. Efimkina. Svetotekhnika 8 no. 12:9-13 D '62.

FLUORIDES

Density and viscosity of melts of the system KF - HF with the addition of NaF. I. A. Semerikova, A. F. Alabyshov. Zhur. fiz. khim. 36 no. 12:2774-2777 D '62.

Vapor pressure of hydrogen chloride over the system KF, HF with additions of fluoride salts. I. U. B. Aizenberg, A. F. Alabyshov. Zhur. fiz. khim. 36 no. 12:2772-2774 D '62.

FLUORINE

Effect of the gaseous phase in the firing of magnesite (mixtures with acid additions). I. A. Ivanov. Ogneupory 27 no. 12:545-552 '62.

Properties of the lower excited states of F¹⁹ and A127 nuclei determined from data on inelastic proton scattering. S. S. Vasil'ev, B. A. Romanovskii, G. F. Timushev. Izv. AN SSSR. Ser. fiz. 10 no. 12:1508-1517 D '62.

FLUORINE—ANALYSIS

Use of a cation exchanger in the determination of fluorine by thorimetric titration in fluorooorganosilicon compounds. V. A. Klimova, M. D. Vitalina. Izv. AN SSSR. Otd. khim. nauk no. 12:2245-2248 D '62.

FLUORINE COMPOUNDS

Derivatives of perfluorodicarboxylic acids. I. L. Krumlants, M. P. Krasuskala. Izv. AN SSSR. Otd. khim. nauk no. 1:190-192 '63.

Reactions of fluoro olefins. Report No. 15: Catalytic hydrogenation of perfluorocyclobutene. I. L. Krumlants. Izv. AN SSSR. Otd. khim. nauk no. 12:2141-2145 D '62.

FLUOSILICATES

Changes occurring in the structural and mechanical properties of rubber latexes during gelatination with sodium fluosilicate. D. M. Sandomirskii, I. D. Pilyment'shtein. Kauch. i rez. 21 no. 12:6-11 D '62.

FLUTTER (AERODYNAMICS)

Solving the equation of a steady flutter of cylindrical panels. I. U. N. Novichkov. Inzh. zhur. 2 no. 4:352-353 '62.

FLUX (METALLURGY)

Loading of basic fluxes. A. A. Krasnopolskii and others. Met. i gornorud. prom. no. 5:82-83 S-O '62.

FLY ASH

Dust characteristics from smelting in a large capacity open-hearth furnace. A. I. Chernogolov, I. P. Bastian. Trudy Vost. inst. ogneup. no. 2:118-126 '60.

Use of caustic magnesite dust for the production of metallurgical powder. V. A. Bron and others. Trudy Vost. inst. ogneup. no. 2:6-25 '60.

FLYSCH see subdivision under Balkan Peninsula; Carpathian Mountains; Caucasus, Northern

FOAM RUBBER

Basic trends in the utilization of latex in foreign countries. G. M. Farberova, A. D. Shakh. Kauch. i rez. 21 no. 12:38-42 D '62.

FOLDS (GEOLOGY) see subdivision under Apsheron Archipelago

FOLK LITERATURE, YAKUT

"Historical legends and stories of the Yakuts." Reviewed by I. Gurvich. Sov. etn. no. 8:167-169 N-D '62.

FOLK POETRY, BULGARIAN

"Bulgarian folk poetry in twelve volumes" [in Bulgarian] Vol. 1-4. Reviewed by B. Putilov. Sov. etn. no. 6:173-176 N-D '62.

FOLK POETRY, UKRAINIAN

"Ukrainian folk poetry in folklore studies undertaken in Poland during the 19th century" by V. A. Iuzvenko. Reviewed by B. Kirdan. Sov. etn. no. 6:171-173 N-D '62.

FOLK SONGS—HISTORY AND CRITICISM

Popova, T. V. [Russian folk song] Russkaya narodnaya pesnia. Moskva, Sovetskii kompozitor, 1962. 73 p. (Massovaya fol'klornaya biblioteka libitelei muzyki, no. 1)

FOLK SONGS, RUMANIAN

The Vardik family in Rumanian medieval folk songs [in Armenian with summary in Russian]. D. Gzhrikian. Ist. - filol. zhur. no. 4:83-94 '62.

FOLK SONGS, WHITE RUSSIAN

Nianovich, S. G. [White Russian folk songs in the musical dramaturgy of national operas and ballets] Belaruskaya narodnaya pesnia i muzychnai dramaturgiia natsyonal'nykh oper i baletau. Minsk, Dziarzh. vyd-va BSSR, 1962. 69 p.

FOLKLORE

Determining the content of the "popular education" concept. I. A. Khanbikov. Dokl. APN no. 53-56 '62.

Importance of folklore research for the use of popular concepts of education in pedagogical practice. I. A. Khanbikov. Dokl. APN no. 1:43-46 '62.

"Russian folk works in a kindergarten" by A. P. Usova. Reviewed by N. M. Galochkin, Doshk. voap. 35 no. 9: 122 S '62.

Transmission of the holdings of the Ethnographic Department of the Society of Amateur Studies of Natural History, Anthropology, and Ethnography to the Archives of the Institute of Ethnography of the Academy of Sciences of the U. S. S. R. V. S. Arnojd, H. S. Lipets. Sov. etn. no. 6:156-157 N-D '62.

FOLKLORE, INDIAN

Folklore and ethnography of India based on Ivan Pavlovich Minayev's materials and collections. A. T. Abramov. Izv. Vass. geog. ob-va 04 no. 6:523-527 N-D '62.

FOLKLORE, KALMYCK

Elisia. Kalmytskii nauchno-issledovatel'skii institut iazyki, literatury i istorii. [Kalmyck belles lettres are flourishing; materials of a conference devoted to Kalmyck literature and folklore] Kalmytskaya khudozhestvennaya literatura na pod'eme; materialy nauchnoi konferentsii, posvyashchennoi kalmytskoi khudozhestvennoi literature i fol'kloru. Elisia, 1962. 133 p. [In Russian or Kalmyck] (MH)

FOLKLORE, WHITE RUSSIAN

Some results of folklore studies in 1961. M. Iivazdzio. Vest. AN BSSR. Ser. hram. nav. no. 4:131-135 '62.

FOMIN, MIKHAIL AMVROSIEVICH, 1856-1918

Fomin, A. M. [Mikhail Amvrosievich Fomin; a historical sketch] Mikhail Amvrosievich Fomin; istoricheskii ocherk. Barnaul, Altayskoe knizhnoe izd-vo, 1961. 93 p. (MH) (CS-H)

FOOD—PACKAGING see subdivision under Leningrad

FOOD—STORAGE

Biochemical aspects of the radiation method of food-stuff storage [with summary in English]. L. V. Molit'skii. Izv. AN SSSR. Ser. biol. no. 6:665-684 N-D '62.

FOOD, DRIED

Flash drying by sublimation. A. K. Kaminskaia. Khol. tekhn. 39 no. 6:42-45 N-D '62.

FOOD, FROZEN

Effect of refreezing on the quality of the product. A. I. Piskarev. Khol. tekhn. 39 no. 6:56-57 N-D '62.

Time needed for the freezing of products laying on a ribbed surface. V. A. Toider. Khol. tekhn. 39 no. 6: 37-42 N-D '62.

FOOD FOR INVALIDS see Cookery for the sick

FOOD INDUSTRY see subdivision under Moldavia; Perm Province

FOOD INDUSTRY—BIBLIOGRAPHY see Bibliography—Food industry

FOOD INDUSTRY—COSTS

Production costs and prices of food acids. T. M. Verizhenko. Khleb. i kond. prom. 6 no. 12:17-18 D '62.

FOOD INDUSTRY—EQUIPMENT AND SUPPLIES

Conveyor thrower mechanisms used by food industry enterprises in the U. S. S. R. and in foreign countries. A. A. Kukhnyi, Khar. prom. no. 4:3-10 O-D '62.

Method of determining the economic efficiency of worm presses in the manufacture of macaroni. M. N. Karavaev. Khleb. i kond. prom. 6 no. 12:10-14 D '62.

FOOD INDUSTRY—FINANCE see subdivision under Odessa Province

FOOD INDUSTRY—HYGIENIC ASPECTS

Active detection of zoonoses among workmen of food establishments. E. M. Popova, A. L. Leonikov. Trudy Len. inst. epid. i mikrobiol. 20:157-165 '59.

FOOD RESEARCH see subdivision under Ukraine; United States

FOOT-AND-MOUTH DISEASE

(see also subdivision under Azerbaijan)

Diffusion precipitation in foot-and-mouth disease. M. K. Olinik, A. I. Dudnikov, V. I. Shil'nos, nauky 5 no. 12:72-76 D '62.

FORAGE PLANTS see subdivision under Polesye

FORAGE PLANTS—FERTILIZERS AND MANURES see subdivision under Vladimir Province

FORAMINIFERA see subdivision under Kandalaksha Bay; White Sea

FORAMINIFERA, FOSSIL see subdivision under Buzachi Peninsula; Tajik Depression

FOREIGN EXCHANGE

Balance of payment and the foreign exchange of capitalist countries. T. Belous. Den. i kred. 20 no. 11:74-83 N '62.

Brief information on foreign exchange and banks abroad. Den. i kred. 20 no. 11:84-87 N '62.

FORENSIC PSYCHIATRY

"Forensic psychiatry" by I. A. Kalashnik. Reviewed by N. Timofeev, P. El'kind. Sots. zakon. 39 no. 12:75-77 D '62.

FOREST ECOLOGY

(see also subdivision under Angara Valley)

Stilvicultural importance of hornbeam as a companion of oak in the right bank area of the forest steppe. V. S. Nakonechnyi. Nauk. prait. asp. UASHN no. 5:128-133 '60.

FOREST FAUNA

Role of fauna in the formation of tree cavities. I. A. Alekseev. Trudy Khap. gos. zap. no. 3:140-141 '59.

FOREST INFLUENCES

(see also subdivision under Dnieper Valley; West Kazakhstan Province)

Compiling the water balance for wooded and nonwooded river basins. L. M. Sidorkina. Trudy Len. gidromet. inst. no. 11:206-210 '61.

FOREST INSECTS see subdivision under Moldavia

FOREST LITTER

Biochemical and enzymatic activity of forest litter in pine plantations [with summary in English]. V. P. Kornev. Pochvovedenie no. 11:109-114 N '62.

Method of sampling forest litter for studying its chemical properties. T. I. Levkina. Trudy Kar. fil. AN SSSR no. 34:50-57 '62.

FOREST MANAGEMENT

(see also subdivision under Germany, East; Krasnodar Territory; Latvia; Lithuania; Yegor'yevsk region)

Improvement cuttings in forest strips established by planting in clusters. I. V. Kondratuk. Nauk. prait. asp. UASHN no. 5:116-120 '60.

FOREST NURSERIES see subdivision under Bryansk Province; Gorky Province; Malaya; Yaganka region

FOREST PROTECTION—CONGRESSES

Present state and tasks of forest protection. V. S. Znamenski. Zashch. rast. ot vred. i hol. 6 no. 6: 58-59 Je '60.

FOREST REPRODUCTION

(see also subdivision under Moscow Province)

Natural reproduction of oak in the Ostankino oak forest. R. A. Karpisonova. Biol. Glav. bot. sada no. 47:72-78 '62.

FOREST ROADS

(see also subdivision under Sytyvkar region)

Density of the network of logging roads. S. A. Shalaev. Les. prom. 40 no. 11:13-18 N '62.

Morozov, S. I., and L. E. Savin. [New types of pavements for forest roads] Novyye tipy pokrytiy avtomobil'nykh dorog v lesu. Moskva, Goslesbunizdat, 1962. 76 p. (Nastoiichivo vnedriat' poredovol opyt v proizvodstvo)

New technology and new organization of building logging truck roads. V. P. Berezin, T. Z. Zakharov. Trudy TSNIIME no. 35:3-31 '62.

Work practices of preparatory road construction brigades. A. I. Kozlov, G. F. Grekhov. Les. prom. 40 no. 10: 24-25 O '62.

FOREST SOILS

(see also subdivision under Armenia; Karelia; Kondopoga District; Sortavala District; Volga-Akhutva Flood Plain)

Microbiological processes in turf-Podzolic soils under various forest species. E. N. Artyemko. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:305-310 '62.

FOREST THINNING

Iakubik, A. N. [Gradual cuttings; practices in making them at the "Prokudin Bor", Forest Tract] Postepen-nye rubki; opyt ikh provedeniia v lesoi dache "Proku- din bor." Izd. 2, dop. i ispr. Moskva, Goslesbumiz- dat, 1962, 43 p.

(CU)

FORESTRY SCHOOLS AND EDUCATION

(see also subdivision under Krasnoyarsk Territory) We need well thought-out planning. V. I. Mel'nikov. Vest. vyz. shkoly 20 no. 12:33-37 D '62.

FORESTS AND FORESTRY

(see also subdivision under Il'men' Preserve; Sverdlovsk Province; White Russia)

Flood land forests in the southeast of the European U. S. S. R. E. G. Mialo, L. S. Rodman. Vest. Mosk. un. Ser. 5:Geog. 17 no. 4:67-70 JI-Ag '62.

Forest beat of excellent quality. N. I. Iskovitskii. Les. khoz. 15 no. 11:73-74 N '62.

From the history of the question of the acute need of peasantry for forests in the czarist Russia. I. U. G. Zharikov. Les. khoz. 15 no. 11:77-80 N '62.

From the pages of journals. Les. khoz. 15 no. 11:95-96 N '62.

Guard the honor of the Soviet forester! Les. khoz. 15 no. 11:2-4 N '62.

Protection of juvenile labor. E. I. Nomirovskii. Les. khoz. 15 no. 11:80-82 N '62.

Public campaign for speeding up technological progress. V. V. Protinskii. Les. khoz. 15 no. 11:4-6 N '62.

Selection as the most important way for increasing forest production. A. I. Savchenko. Les. khoz. 15 no. 11:34-35 N '62.

Toward the victory of communism. Les. prom. 40 no. 12:1 D '62.

Ways of developing forestry and lumbering. Bum. i der. prom. no. 4:52-53 O-D '62.

What hinders the combined organization of lumbering and forest management operations? S. A. Shalaev. Les. prom. 40 no. 10:30-31 O '62.

FORESTS AND FORESTRY—ACCOUNTING see sub-division under Czechoslovakia

FORESTS AND FORESTRY—BIBLIOGRAPHY see Bib- liography—Forests and forestry

FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES (see also subdivision under Tamak Province; Volga Valley)

Proposals for improving the design of forest drills. Les. khoz. 15 no. 11:62-64 N '62.

FORESTS AND FORESTRY—PERIODICALS see sub- division under Latvia

FORESTS AND FORESTRY—TERMINOLOGY

Terminology should be more precise. Les. khoz. 15 no. 11:90-92 N '62.

FORESTS AND FORESTRY—VALUATION

Structure of pine plantations in the Kazakh steppe. A. D. Starkov. Vest. sel'khoz. nauk [Kazakh.] 5 no. 12: 66-78 D '62.

FORGE SHOPS

Automatic forge shop of cardan bearings. I. A. Sauskan. Kuz.-shtam. protzv. 4 no. 12:37-43 D '62.

FORGING

Drop forging in split dies. A. V. Rebel'skii and others. Kuz.-shtam. protzv. 4 no. 12:3-8 D '62.

High-speed feed for stamping. I. A. Noritsyn. Vest. mashinost. 42 no. 12:54-61 D '62.

Investigating the possibility of manufacturing railroad rails by drop forging in dies (without subsequent roll- ing). I. I. A. Tarnovskii and others. Kuz.-shtam. protzv. 4 no. 12:1-3 D '62.

Mechanizing the removal of forgings and tails from trimming presses. L. M. Tsiarik. A. V. Orlov. Avt. prom. 28 no. 12:30-33 D '62.

Punching instead of cutting out. A. M. Davidson, S. A. Magal. Mashinostroitel' no. 12:29 D '62.

FORGING MACHINERY

The design of link guides. B. M. Partonskii. Trudy Ural. politekh. inst. no. 119:109-115 '62.

FORGING MACHINERY—MAINTENANCE AND REPAIR

Repairing single-model forging and pressing unit in the forge shop after an accident. M. N. Nalab, B. A. Enon- ko, G. F. Kofonov. Mashinostroenie no. 5:16-18 S-O '62.

FORK LIFT TRUCKS

Universal clamps for fork lift trucks. L. M. Tipograf. Avt. prom. 28 no. 12:42 D '62.

FORMAMIDE

Interaction of the compounds containing mobile hydrogen atoms with substituted acid amides. B. A. Porai- Koshits, I. A. Kvitko. Zhur. ob. khim. 32 no. 12: 4050-4055 D '62.

FORMAZAN

1,5-Diaryl-3-haloformazans. Part 4: Reaction of substi- tuted 1,5-diphenyl-3-chloroformazan with nucleophilic agents. M. O. Lozinskii, P. S. Pel'kis. Zhur. ob. khim. 33 no. 1:113-118 '63.

FORMIC ACID

Mechanism of the catalytic action of metallic oxides in the reaction of decomposition of formic acid. Part 1: Composition of the reaction products [with summary in English]. V. A. Komarov and others. Zhur. fiz. khim. 36 no. 12:2577-2581 D '62.

Purification of acetic acid and the removal of formic acid from it. E. B. Chizhov, E. A. Blumberg, N. I. Gel'perin. Neftekhimiia 2 no. 5:771-775 S-O '62.

FORMS, QUADRATIC

Quadratic evaluation of the divergence of densities of normal two-dimensional distribution according to sampling data. G. M. Mania. Trudy Vych. tsentra AN Gruz. SSR 2:153-211 '62.

FOUNDATIONS

Adding salt to soil as a method of preventing frost heave of foundations. I. V. Boiko. Osn., fund. i mekh. grun. 4 no. 6:13-15 '62.

Akademiia stroitel'stva i arkhitektury SSSR. Institut osnovanii i podzemnykh sooruzhenii. [Instructions for the design of foundations for the southern permafrost zone] Ukazaniia po proektirovaniu osnovanii i funda- mentov dlia iuzhnoi zony rasprostraneniia vechnomerz- lykh grunтов. Moskva, Gosstroizdat, 1962, 76 p.

Bearing capacity and compressibility of sandy foundations under deep footings. M. N. Gol'dsh. 1, S. P. Gorbatov, Q. M. Reznikov. Osn., fund. i mekh. grun. 4 no. 6: 3-6 '62.

Calculating the settlement of foundations according to data obtained by testing soil with stamps and wetting. V. I. Krutov. Osn., fund. i mekh. grun. 4 no. 6:15-17 '62.

Calculations for annular and round pile foundations. E. V. Kosterin. Osn., fund. i mekh. grun. 4 no. 6:17-21 '62.

The depth of the sinking of foundations. G. F. Goriainov. Osn., fund. i mekh. grun. 4 no. 6:25-28 '62.

Experimental large-panel apartment houses in coal- bearing areas. G. Grigor'ev, Zhil. stroi. no. 1:11-13 '62.

Investigating the strained and deformed state of an elastic laminated half space. K. K. Turoverov. Nauch. trudy LTA no. 84:97-101 '62.

Pile foundations for apartment houses. E. G. Godes. Stroi. i arkh. Len. 25 no. 1:26-28 Ja '63.

Role of the form of the base in the behavior of pillar foundations. A. I. Nikolaev. Nauch. trudy LTA no. 84: 103-114 '62.

Some features of studies of crumbling rock foundations. V. A. Fiorin. Osn., fund. i mekh. grun. 4 no. 6:6-7 '62.

Some problems of the construction of pile foundations. S. I. Solov'ev. Stroi. i arkh. Mosk. 12 no. 1:20-32 Ja '63.

Standards for the design of foundations and footings of buildings and structures on settling soil. Bnrl. stroi. tekhn. 19 no. 12:25-28 D '62.

Teaching the course, "Foundations." M. N. Gol'dshein, V. G. Berezantsev. Osn., fund. i mekh. grun. 4 no. 6: 1-2 '62.

FOUNDATIONS—BIBLIOGRAPHY see Bibliography— Foundations

FOUNDATIONS—COLD WEATHER CONDITIONS see sub-division under Noril'sk

FOUNDING

(see also subdivision under Gorkiy)

Foundries without founders. O. Kryzhanivskii, V. Vrublevskii. Nauka i zhytiia 12 no. 7:20-21 JI '62.

Mechanism underlying the breakdown of metals under the action of melts of low-melting metals. M. I. Chasov- skii. Vop. mekh. real. tvor. tela no. 1:80-84 '62.

Specialization in founding. S. E. Kharagorgiev and others. Mashinostroenie no. 5:35-38 S-O '62.

FOUNDING—HANDBOOKS, MANUALS, ETC.

Rubtsov, N. N., and others. [Foundryman's handbook; general information of founding] Spravochnik litseishchika; obshchie svedeniia po lit'iu. [By] S. A. Alekseev i dr. Pod obshch. red. N. N. Rubtsova. Moskva, Mashgiz, 1962, 524 p.

FOUNDRIES—EQUIPMENT AND SUPPLIES

Flasks for molds with drawbacks. N. I. Ushkan. Mashinostroitel' no. 12:23 D '62.

Regenerative unit for hydroblast cleaning of castings. V. M. Zhi'tsov. Mashinostroenie no. 5:51-53 S-O '62.

FOURIER TRANSFORMATIONS

Fourier transformation in $L^2(-\infty, \infty)$ with a weight. V. P. Gurarii. Mat. sbor. 58 no. 4:430-452 D '62.

Mandel'brojt, Shulim. [Closed theorems and theorems of composition] Teoremy zamkнутosti i teoremy kompozitsii; zapis' lektsii i perevod vypolneny E. A. Gorhym, A. S. Dyninym, B. S. Mitaginym. Moskva, Izd-vo inostr. lit-ry, 1962, 153 p. (Biblioteka sbor- nika matematika)

FOXES see subdivision under Africa

FRACTIONAL DISTILLATION see Distillation, frac- tional

FRACTIONS

Joint study of common and decimal fractions in the fifth-grade arithmetic class. Report No. 1. Discussing the contents of the topic and methods of study. E. V. Vandyseva. Dokl. APN no. 2:41-44 '62.

FRANCE—AGED

Butterings of old people. Sots. obsep. 23 no. 11:63 N '62.

FRANCE—AGRICULTURE—ECONOMIC ASPECTS

Impoverishment and ruin of the French peasantry after the Second World War. S. P. Gavrilsh. Uch. zap. IMO no. 9:101-122 '62.

FRANCE—BAKERS AND BAKERIES—EQUIPMENT AND SUPPLIES

Machine unit for making sponge cake rolls. M. N. Serebrnikov. Khleb, i kond. prom. 6 no. 12:40-41 D '62.

FRANCE—COOPERATIVE SOCIETIES

Cooperative society of French miners. Remy Duham, Marie-Paul Lohingue. Sov. potreb. koop. 6 no. 11: 55-56 N '62.

FRANCE—CRIME AND CRIMINALS

Chronicle of recent criminal offenses in France. B. Muze. Sov. iust. no. 24:27-28 D '62.

The criminal topic in literature and life. Nov. vrem. 20 no. 5:19 F '63.

FRANCE—DESCRIPTION AND TRAVEL

Shurtakov, S. I. [France at close range] Frantsiia vbliz. [Moskva] Izd-vo "Molodiia gvardiia," 1962, 100 p.

FRANCE—DOMESTIC ENGINEERING

Conference on problems of heating, ventilation and air conditioning (from "Installateur," nos. 229, 230, 1962). G. S. Mil'man. Vod. i san. tekhn. no. 12:28 D '62.

FRANCE—ECONOMIC GEOGRAPHY—CONGRESSES

National conference on applied geography in France. O. A. Evsteev, T. V. Zvonkova. Vest. Mosk. un. Ser. 5: Geog. 17 no. 4:74-75 JI-Ag '62.

FRANCE—ELECTRIC LOCOMOTIVES

Single-phase a. c. locomotives. V. N. Khlebnikov. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:81-85 '62.

FRANCE—ETHNOLOGICAL RESEARCH

Marcel Griaule's "ethnographic method" and the metho- dology of present-day French ethnology [with summary in English]. B. I. Sharevskaya. Sov. etn. no. 6:43-54 N-D '62.

FRANCE—FOREIGN ECONOMIC RELATIONS— GERMANY, WEST

Vetlanin, V. A. [France and West Germany in the "Common Market."] Frantsiia i Zapadnaia Germaniia v obshchem rynke. Moskva, Izd-vo IMO, 206 p.

FRANCE—FOREIGN RELATIONS

Akademiia nauk SSSR, Institut istorii. Leningradskoe otdeleniie. [Documents materials on French foreign policy, 1647-1648] Dokumenty po istorii vneshnei politiki Frantsii, 1647-1648 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963, 394 p.

FRANCE—FOREIGN RELATIONS—GERMANY

First to Munich, then to war; history of French-Ger- man relations, 1933 to 1939. I. U. Borisov. Mezhdunar. zhizn' 10 no. 2:86-94 F '63.

FRANCE—FOREIGN RELATIONS—GERMANY, WEST

An aggressive treaty. Mezhdunar. zhizn' 10 no. 3:156-159 Mr '63.

Background of the Paris-Bonn treaty. N. Molchanov. Nov. vrem. 20 no. 5:10-12 F '63.

The Bonn-Paris axde is a plot against peace; a discussion. Mezhdunar. zhizn' 10 no. 3:85-76 Mr '63.

A dangerous compact. Nov. vrem. 20 no. 7:1-2 F '63.

Soviet notes on the Paris-Bonn treaty; texts. Nov. vrem. 20 no. 7:30-47 F '63.

FRANCE—FOREIGN RELATIONS—RUSSIA

Soviet notes on the Paris-Bonn treaty; texts. Nov. vrem. 20 no. 7:30-47 F '63.

FRANCE—GRAPES—DISEASES AND PESTS

Protection of vineyards in France. A. S. Gorkavenko. Zashch. rast. ot vred. i bol. 5 no. 7:40-52 JI '60.

FRANCE—HISTORY

"History of the Third Republic; the years of illusions, 1918-1931" [in French] by J. Chastenot. Reviewed by L. P. Lavrov. Vop. ist. 38 no. 1:163-165 Ja '63.

FRANCE—HISTORY—SOURCES

Akademika nauk SSSR, Institut istorii. Leningradskoe otdelenie. [Documentary materials on French foreign policy, 1547-1548] Dokumenty po istorii vneshnei politiki Frantsii, 1547-1548 gg. Moskva, Izd-vo Akad. nauk SSSR, 1953. 394 p.

FRANCE—IRON ALLOYS

Production of ferroalloys in France (from "Journal du Four Electrique et des Industries Electrochimiques," no. 7, 1951). N. K. Skliarenko. Met. i gornorud. prom. no. 5:90 S-O '62.

FRANCE—MARITIME LAW

Judicial practice in the examination of maritime conflicts in France. Inform. sbor. TSNIMF no. 82. Mor. pravo i prak. no. 18:80-87 '62.

FRANCE—MOTION-PICTURE PLAYS

French journalists talk with motion-picture experts. A. Braginskii. Isk. kino no. 10:141-148 O '62.
On the screens of the world. Isk. kino no. 10:140-150 O '62.

FRANCE—MOTION PICTURES

French motion picture in 1952. Vsem. stud. nov. 16 no. 5:6:30-31 My-Je '62.

An interview with Agnes Varda, director of the motion picture "Cleo from 5 to 7." Rachel Lefort. Zhen. mira no. 11:30-33 '62.

FRANCE—NEWS AGENCIES

The "France Press" agency. Mezhdunar. zhizn' 10 no. 3:146-147 Mr '63.

FRANCE—ORE DRESSING

Chemical dressing of lean iron ores. Met. i gornorud. prom. no. 5:90 S-O '62.

FRANCE—POLITICS AND GOVERNMENT

Fascism will not pass! Zhon. mira no. 2:4 '62.
On the grand boulevards in a united line. Henri Martin. Mol. mira no. 11:12:13, 20 '61.
Paris winter (to be continued). V. Goncharov. Nov. vrem. 20 no. 3:25-27 Ja '63.
Paris winter. V. Goncharov. Nov. vrem. 20 no. 5:28-30 F '63.

FRANCE—POLYETHYLENE

Reservoir built with plastics (from "Connaissance des plastiques," no. 22, 1952). A. Semenov. Plast. massy no. 11:74 '62.

FRANCE—SHIPBUILDING

French-built ships (from "Shipbuilding and Shipping Record," no. 14, 1952). Sudostroenie 28 no. 10:169 O '62.

FRANCE—SOCIAL CONDITIONS

Shurtakov, S. I. [France at a close range] Frantsiia vbliz. [Moskva] Izd-vo "Molodaia gvardiia," 1952. 100 p.

FRANCE—SUBVERSIVE ACTIVITIES

Brigitte Bardot... and the killers. Gillette Ziegler. Zhen. mira no. 5:10, 20 '62.
What the OAS represents today? Vsem. stud. nov. 16 no. 5:6:5-7 My-Je '62.

FRANCE—TELEVISION—CENSORSHIP

Continuation of the battle on the Volga. Lev. Bozhyment'skii. Nov. vrem. 20 no. 7:6-8 F '63.

FRANCE—WOMEN

"Madam...": the dignity of unmarried mothers is finally recognized. Marie-Louise Coudert. Zhen. mira no. 7:20-21 '62.

FRANCIUM

Thermodynamic characteristics of some francium compounds. G. A. Krestov. Radiokhimiia 4 no. 6: 685-690 '62.

FRANCOIS, JACQUELINE

She sings about Paris. Irma (Aunzem). Sov. muz. 26 no. 12:100 D '62.

FRANKO, IVAN, 1856-1916

Ivan Franko and Spanish literature. Anna Franko-Kiochko. Zhyttia i shkola 8 no. 10:12:55-56 O-D '62.
Savynats, V. K. [Ivan Franko and the pedagogical ideas of his contemporaries in Galicia] Ivan Franko i suchasna lomu pedagogichna dumka v Halychyni. [I/viv] Vyd-vo L'vivskoho univ., 1961. 97 p. (MII)

FRANZ JOSEF LAND—SOILS—CLASSIFICATION

Soils of Franz Josef Land. I. S. Mikhailov, L. S. Gonorukha. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6: 42-48 N-D '62.

FREE ELECTRON THEORY OF METALS

Some problems in the electron theory of metals. Part 2: Statistical mechanics and the thermodynamics of electrons in metals. I. M. Lifshits, M. I. Kaganov. Usp. fiz. nauk 78 no. 3:411-461 N '62.

FREE WILL AND DETERMINISM

The concept of free will in criminal law. E. M. Edel'gauz. Izv. vys. ucheb. zav. jprav. 6 no. 4:140-144 '62.

FREZZING POINTS OF SOLUTIONS see Molecular weights

FREIGHT AND FREIGHTAGE

(see also subdivision under Kirghizistan; Russia, Northern)

Povorozhenko, V. V., M. D. Sitik, and E. S. Furman. [Common carrier and freight forwarding services on railroads] Transportno-ekspeditatsionnoe obsluzhivanie na zheleznykh dorogakh. Moskva, Transzheldorizdat, 1952. 146 p.

Shelman, K. L. [Possibilities of a more efficient transportation of freight] Perspektivy ratsionalizatsii peravozok gruzov. Moskva, Transzheldorizdat, 1952. 145 p.

FREIGHT AND FREIGHTAGE—CLAIMS

Decisions of arbitration agencies. Sov. iust. no. 1:32 Ja '63.
Decisions of arbitration agencies. Sov. iust. no. 21:32 N '62.
Decisions of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. and the State Arbitration Agency attached to the Council of Ministers of the Lithuanian S. S. R. Inform. sbor. TSNIMF no. 82. Mor. pravo i prak. no. 18:79-81 '62.

FRENCH ENGRAVINGS see Engravings, French

FRENCH LANGUAGE—CHRISTOMATHIES AND READERS

"France" [in French]. Reviewed by M. I. Ainkhinder, V. A. Bravina, T. G. Khalisova. Vest. LGU 17 no. 20:168-169 '62.

FRENCH LITERATURE—HISTORY AND CRITICISM

Eynina, E. M. [The modern French novel, 1940-1950] Sovremennyi frantsuzskii roman, 1940-1950. Moskva, Izd-vo Akad. nauk SSSR, 1952. 518 p.

FREONS

Production of the KhF-12 freon oil from Anastas'yevka petroleum. V. T. Sklar and others. Nauch. zap. Ukrniproekta no. 8:48-57 '62.

FREQUENCY CHANGERS

An annular pulse frequency divider. IU. A. Kosarev. Sbor. rab. po vop. elektromekh. no. 7:305-309 '62.
Frequency converters. E. Boronovskov. Radio no. 1: 30-34 Ja '63.

A frequency doubler using thermal energy converters. V. S. Popov. Sbor. rab. po vop. elektromekh. no. 7:331-334 '62.

Methods for immediate production of accumulated and differentiated frequencies. M. Z. Klumel', V. N. Titov, G. A. Elkin. Trudy Inst. Kom. stand., mer i izm. prib. no. 58:16-17 '62.
Multimesh series-type electronic frequency converter with joint cathodes. M. M. Akodis, S. M. Katsnel'son. Izv. vys. ucheb. zav. : elektromekh. 5 no. 11:1274-1279 '62.
Synchronous frequency division and multiplication in a two-stage self-oscillator. G. D. Shemanev. Radiotekh. i elektron. 8 no. 1:32-41 Ja '63.

FREQUENCY MEASUREMENTS

Determining the frequency of a not absolutely harmonic process in connection with the measurement of frequencies of highly stable oscillators. M. Z. Klumel', V. N. Titov. Trudy Inst. Kom. stand., mer i izm. prib. no. 58:7-10 '62.
Methodological errors of digital phase and frequency measuring devices. A. E. Bartmor. Sbor. rab. po vop. elektromekh. no. 7:335-343 '62.
Simultaneous use of integral comparisons of a quartz clock and of comparisons of its frequencies with the frequency of a molecular generator for the determination of most probable corrections for the quartz clock. L. IU. Belostarskovskii. Trudy Inst. Kom. stand., mer i izm. prib. no. 58:90-100 '62.
Transistorized device for integral comparison of frequencies. E. I. Dolbak. Trudy Inst. Kom. stand., mer i izm. prib. no. 58:76-79 '62.

Using the KhGIMP molecular generator for determining actual frequencies of the quartz oscillator in the time and frequency service. A. I. Konstantinov. Trudy Inst. Kom. stand., mer i izm. prib. no. 59:94-98 '62.

FREQUENCY MULTIPLIERS

Frequency instability produced by frequency multipliers in connection with the flicker effect. M. Z. Klumel'. Trudy Inst. Kom. stand., mer i izm. prib. no. 58:5-6 '62.
Spectral clearness of the output signal of a two-stage frequency multiplier. V. N. Titov. Trudy Inst. Kom. stand., mer i izm. prib. no. 59:11-15 '62.

FRESHWATER FAUNA

(see also subdivision under Vilyuy Valley)

Dependence of the survival time of aquatic animals upon the concentration of a chemical agent in the medium. L. N. Soravina. Trudy PBI no. 18:148-160 '62.

Kheisla, E. M. [Concise guide to freshwater fauna] Kratkii opredelitel' presnovodnoi fauny. Izd. 2., ispr. i dop. Moskva, Uchpedgiz, 1952. 147 p.

FRESHWATER FLORA see subdivision under Kluiper Valley

FRICTION

Conditions of plastic friction on the surface of the contact between strip and rolls during longitudinal rolling. I. I. Polukhin, V. A. Masterov, M. M. Smilapin. Sbor. Inst. stal' i splav. no. 40:68-85 '62.
Methods for studying abrasive wear. K. A. Makhsholau. Izv. AN Arm. SSR. Ser. tekhn. nauk no. 4:43-45 '61.
Nature and mechanism of metal sticking during sliding friction. I. M. Pavlov, V. Ia. Omandidi. Sbor. Inst. stal' i splav. no. 40:173-180 '62.

FRICTION—MEASUREMENT

Complex investigation of contact pressure and friction forces during rolling. P. I. Polukhin, V. A. Masterov, IU. E. Fomenko. Sbor. Inst. stal' i splav. no. 40:166-172 '62.
Determining the coefficient of static friction at high specific pressures using the method of electric strain measurement. Chu Kuo-lua, O. V. Rumiantsov. Vest. mashinostr. 42 no. 12:22-24 D '62.

FRII FLIES

(see also subdivision under Armenia; Leningrad Province)

Duration of the development and causes of the destruction of the larvae of the Swedish fly in summer. I. F. Pavlov. Zashch. rast. ot vred. i bol. 5 no. 7:38-39 Ji '60.
Methods for determining the degree of damage to field crops caused by grain flies. I. F. Pavlov. Zashch. rast. ot vred. i bol. 4 no. 5:42 S-O '60.
Phytopathogenic symbiosis of the fruit flies Oeciuella frit L. and O. pusilla Mg. (Diptera, Chloropidae) and their practical use [with summary in English]. E. V. Ryzhkova. Dnt. oboz. 41 no. 4:708-705 '62.

FRII FLIES—EXTERMINATION

Protecting corn against the Swedish fly. N. S. Karnavina-skii. Zashch. rast. ot vred. i bol. 5 no. 6:26-27 Jo '60.

FROGS

Experiments in the traumatization of the crystalline lens following the section of the optic nerve in adult frogs. V. V. Popov, E. B. Voevodov, Z. A. Sokolova. Dokl. AN SSSR 147 no. 6:1503-1505 D '62.
Nature of the geographical variability of green frogs. P. V. Torent'ov. Trudy PBI no. 16:98-121 '62.

FROST PROTECTION

Nature of damage to grapevine buds in regions using covering for winter in Armenia [in Armenian with summary in Russian]. A. S. Melkonian. Izv. Chuv. upr. nauch. nauk i podgol. kad. Arm. SSR 5 no. 0:10:35-44 '62.

FROZEN FOOD see Food, Frozen

FROZEN GROUND

(see also subdivision under Amur Province; Amur Valley; Borozovka region; Transbaikalia; Kurant; Igarka region; Irtyshskii Valley; Khatayka Valley; Ob' Valley; Russia, Northern; Salekhard region; Syktyvkar region; Taz Peninsula; Transbaikalia; West Siberian Plain; Yanduy Valley; Yentoy Ridge; Yentoy Valley)
Adding salt to soil as a method of preventing frost heave of foundations. I. V. Boiko. Osn., fund. i mekh. grun. 4 no. 6:13-15 '62.
Calculating methods and the construction plan of cooling installation for petroleum products being pumped into frozen-ground reservoirs. V. A. Kuvshinov, V. G. Molamed, A. E. Gulkova. Morz. Isst. no. 1:307-317 '61.
Deposition of silica from soil solutions during freezing [with summary in English]. IU. A. Slavnyi, E. S. Vorobleva. Pochvovedenie no. 9:80-84 S '62.
Effect of ultraperosity and specific surface on the liquid water content of frozen ground. T. A. Litvinova. Morz. Isst. no. 1:178-183 '61.
Importance of temperature and porosity zoning in the formation of syngenetic frozen layers having stratified cryogenic structure. V. A. Kudriavtsov. Morz. Isst. no. 1:21-25 '61.
Ivanov, N. S. [Heat exchange in the frozen zone of the lithosphere] Teploobmen v kriolitozone. Moskva, Izd-vo Akad. nauk SSSR, 1952. 100 p.
Liquid phase of water in frozen ground. A. A. Ananian. Morz. Isst. no. 1:173-177 '61.
Methods of studying sediments having syngenetic permafrost ice veins. N. N. Romanovskii. Morz. Isst. no. 1: 11-20 '61.
New tractor loosener for frozen ground. D. A. Lazovoi, IA. IU. Vigdorchik. Stroitel. dor. mash. 7 no. 1:17-19 N '62.
Pile foundations in permafrost. M. Kim and others. Stroitel' 8 no. 11:3-4, 4 of cover N '62.
Relationship between the liquid water content of finely dispersed frozen ground and the water properties of such ground. A. A. Ananian. Morz. Isst. no. 1:184-189 '61.

FROZEN GROUND (Continued)

Some data on the necessity of taking into account the effect of vegetative cover when calculating the seasonal freezing and thawing of soils. K. A. Kondrat'eva. *Merz. issl.* no. 1:39-44 '61.

Some results of studying ultrasonic wave propagation in samples of frozen ground. A. D. Frolov, A. A. Smirnov. *Merz. issl.* no. 1:230-254 '61.

Study of the breaking down of frozen ground by wedges. M. I. Gal'perin, B. A. Nikolaev. *Stroi. i dor. mash.* 7 no. 11:27-28 N '62.

Survey as the basic form of frozen ground research. V. A. Kudryavtsev. *Merz. issl.* no. 1:3-10 '61.

Using the resistance method in electric prospecting for hydraulic engineering construction in permanently frozen ground. V. P. Dobrovolskiy. *Merz. issl.* no. 1: 190-207 '61.

FROZEN GROUND—ELECTRIC PROPERTIES see subdivision under Igarka region; Salekhard region

FROZEN GROUND—MAPS

Using fields of radio broadcasting stations to map the contacts of permafrost layers. A. D. Frolov. *Merz. issl.* no. 1:227-235 '61.

FRUIT

Antonov, M. V., A. F. Dzhalarov, and E. N. Volkov. [Commercial guide to food products; vegetables and fruit] *Tovarovedenie proizvodstvennykh tovarov; ovoshchi i plody. Pod red. A. N. Rukosueva.* Moskva, Gostorgizdat, 1962. 400 p.

FRUIT—CHEMICAL COMPOSITION

Changes in the chemical composition of apples of the Alma-Ata fruit zone in relation to the variety, ripening degree and storage life. R. M. Kunaeva. *Biokhim. pl. i ovoshch.* no. 7:181-192 '62.

Changes in the chemical composition of oranges during ripening and storage. L. A. Gershtein. *Biokhim. pl. i ovoshch.* no. 7:160-180 '62.

FRUIT—DISEASES AND PESTS

(see also subdivision under Alma-Ata region; Azerbaijan; Crimea; Daghestan; Kabardino-Balkar A. S. S. R.; Kuba District; Moldavia; Moscow Province; Ukraine)

Collective measures in orchards. A. Tikhomirov.

Zashch. rast. ot vred. i bol. 5 no. 6:14 Je '60.

Our practices in protecting orchards. A. A. Samoilenko.

Zashch. rast. ot vred. i bol. 5 no. 11:9-11 N '60.

Rodent control in an orchard. G. M. Levin. Zashch.

rast. ot vred. i bol. 5 no. 11:44 N '60.

Unusual orchard pests. P. A. Polozhentsev, N. I. Polozhentsev.

Zashch. rast. ot vred. i bol. 5 no. 10:52 O '60.

Using the G-17 smoke pots. Z. V. Ivanova, Zashch.

rast. ot vred. i bol. 5 no. 10:36-38 O '60.

FUMIGATION—EQUIPMENT AND SUPPLIES

Tent from synthetic film for fumigation purposes. A. K.

Markin, V. N. Tronov. Zashch. rast. ot vred. i bol. 5

no. 7:41-43 Ji '60.

FUNCTIONAL ANALYSIS

Variational problems of the optimization of control processes with functionals depending on intermediate

values of the coordinates. V. A. Troitskiy. *Prikl. mat. i mekh.* 26 no. 6:1003-1011 N-D '62.

FUNCTIONS

Correlation between a Schwarz derivative with respect to a set. S. G. Kozlovskiy. *Mat. sbor.* 58 no. 4:479-495 D '62.

Correlation functions. A. K. Mitropolskiy. *Nauch. trudy LTA* no. 84:3-4 '62.

Efficiency of the tentative potential method in solving Schrödinger's equation. G. E. Gernet. *Zhur. vych. mat. i mat. fiz.* 2 no. 5:850-851 S-O '62.

Imbedding theorem for a trace in abstract functions. A. Kh. Gudiev. *Dokl. AN SSSR* 147 no. 4:764-767 D '62.

Liapunov's function for the region of influence of a singular point of higher order [with summary in English]. M. B. Kudayev. *Vest. Mosk. un. Ser. I: Mat., mekh.* 18 no. 1:3-13 Ja-F '63.

Operator of analytic continuation of generalized functions. L. Sh. Khodzhaev. *Dokl. AN SSSR* 147 no. 6:1296-1299 D '62.

Use of Liapunov functions in studying the behavior of the trajectories of some systems of differential equations. M. B. Kudayev. *Dokl. AN SSSR* 147 no. 6:1285-1287 D '62.

FUNCTIONS, ANALYTIC

Analytic capacity of linear sets. L. D. Ivanov. *Usp. mat. nauk* 17 no. 8:143-144 N-D '62.

On the zeros of successive derivatives of an analytic function [with summary in English]. I. U. A. Kaz'min. *Vest. Mosk. un. Ser. I: Mat., mekh.* 18 no. 1:26-34 Ja-F '63.

FUNCTIONS, BOOLEAN see Boolean functions

FUNCTIONS, CHARACTERISTIC see Eigenfunctions

FUNCTIONS, CONTINUOUS

Order of best approximations of continuous functions of two variables. A. A. Stepanov. *Uch. zap. Volg. gos. ped. inst.* no. 11:212-239 '58.

FUNCTIONS, ENTIRE

Ibragimov, I. I. [Extremum properties of integral functions of finite order] *Eksremal'nye svoystva teolykh funktsii konechnoi stepeni.* Baku, Izd-vo Akad. nauk Azerbaidzhanской SSR, 1962. 314 p.

FUNCTIONS, EXPONENTIAL

Arithmetical preparation for the study of exponential functions. M. V. Eremeeva. *Mat. v shkole* no. 6:33-34 N-D '62.

FUNCTIONS, GAMMA

One type of a two-dimensional function of gamma-type distribution. Z. N. D'achenko. *Nauch. trudy LTA* no. 84:5-17 '62.

FUNCTIONS, MODULAR

Orthogonal systems of rational functions on a circle with a given set of poles. M. M. Dzhrbaashian. *Dokl. AN SSSR* 147 no. 6:1278-1281 D '62.

FUNCTIONS, PERIODIC

On \mathcal{E} -entropy of certain classes of periodic functions. V. M. Tikhomirov. *Usp. mat. nauk* 17 no. 6:183-190 N-D '62.

FUNCTIONS, POTENTIAL see Differential equations, Partial

FUNCTIONS OF COMPLEX VARIABLES

"Lectures on the theory of functions of a complex variable. Part 1: Holomorphic functions" by G. Sansone, J. Gerretsen [in English]. Reviewed by F. D. Gakhov. *Zhur. vych. mat. i mat. fiz.* 2 no. 5:956-957 S-O '62.

FUNCTIONS OF SEVERAL VARIABLES

Approximation of functions in LP and C spaces on a torus. B. S. Mitiagin. *Mat. sbor.* 58 no. 4:397-414 D '62.

Representation of a function of two variables as the difference of convex functions [with summary in English]. V. A. Zalgaller. *Vest. LGU* 18 no. 1:44-45 '63.

FUNERAL RITES AND CEREMONIES see subdivision under Ukraine

FUNGI

(see also subdivision under Trans-Ili Ala-Tau; White Sea)

Materials for studying the mycoflora of manuscripts [in Georgian with summary in Russian]. L. G. Aleksi-Meskhishvili. *Izv. Inst. ruk. AN Gruz. SSR* 3:245-261 '61.

FUNGI—PHYSIOLOGY

Conditions for the germination of the sclerotium in fungi of the genus *Typhula*. E. G. Potasova. *Zashch. rast. ot vred. i bol.* 5 no. 7:40 Ji '60.

FUNGI, FOSSIL see subdivision under West Siberian Plain; Yenisey Ridge

FUNGI, PATHOGENIC

Kiselev, O. A. [Fungous skin diseases] *Gribovye bolezni kozhi.* Izd. 2. Moskva, Medgiz, 1962. 27 p. (Nauchno-populnaya meditsinskaya literatura) (DNLM MICROFILM)

FUNGI, PHYTOPATHOGENIC

Brezhnev, I. E., G. R. Ibragimov, and V. I. Potkhaev. [Guide to fungi occurring on the fruit and seeds of trees and shrubs] *Opredditel' gribov na plodakh i semenakh drovnykh i kustarnikovykh porod.* Moskva, Sel'khozizdat, 1962. 414 p. (DNAL)

Measures for controlling the gray mold of peonies. E. A. Chinnov. *Zashch. rast. ot vred. i bol.* 5 no. 8:36 Je '60.

Mycoecology and practical problems in phytopathology. M. K. Khokhrakov. *Zashch. rast. ot vred. i bol.* 4 no. 5:25-28 S-O '59.

Role of pectolytic enzymes secreted by fungi in plant pathogenesis. M. N. Talieva, I. U. M. Plotnikova. *Biul. Glav. bot. sadu* no. 47:53-62 '62.

FUNGICIDES

"Etrian III," a new preparation for the treatment of trichophytosis in cattle. M. K. Ganiev and others. *Trudy Azer. nauch.-issl. vet. inst.* 13:191-197 '62.

New organic fungicides. P. M. Ummov. *Zashch. rast. ot vred. i bol.* 5 no. 3:54 Mr '60.

Organic insectofungicides. Part 68: Preparation of salts of tetrathionic acid with aromatic amines. N. N. Mel'nikov, P. P. Trunov. *Zhur. ob. khim.* 32 no. 12:4016-4017 D '62.

Poisonous chemicals in small containers. A. G. Pavelko. *Zashch. rast. ot vred. i bol.* 5 no. 6:40 Je '60.

Studying the fungicidal properties of plant sap [with summaries in English, German, and French]. G. M. Kublanovskaya, N. V. Sukhacheva. *Vest. sel'khoz. nauki* 7 no. 5:142-146 My '62.

Testing new poisonous chemicals in controlling orchard pests and diseases in Kabardino-Balkaria. L. Kh. Kazdokhova. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11:171-174 '62.

FUNGUS GNATS see subdivision under Siberia, Western

FUNZE, MIKHAIL VASIL'EVICH, 1885-1925—

MUSEUMS, RELICS, ETC.
M. V. Funze Museum in Ivanovo. G. Gorbunov. *Sov. vojn* 45 no. 1:31 Ja '63.

FUNZE—HEALTH EDUCATION

Not girls alone. . . . M. Artaev. *Sov. Kras. kreit* 12 no. 4:11 Ji-Ag '62.

FUNZE—LIBRARIES AND READERS

Promoting the decisions of the 22d Congress of the CPSU. S. Rudnik, L. Cruzina. *Bibliotekar'* no. 1: 10-11 Ja '63.

FUNZE—PUBLIC HEALTH, RURAL

At a rural medical center. E. A. Iakimovich. *Zdrav. bel.* 8 no. 12:58-60 D '62.

FUNZE—TEXTILE INDUSTRY—LABOR PRODUCTIVITY

Hidden potentialities for increasing labor productivity in the Klement Gotwald Cloth Factory in Funze. M. Salakhudinova. *Vop. ekon. prom. Kir.* no. 2:67-80 '61.

FUNZE REGION—SOILS

Soils of the new section of the Botanical Garden. G. I. Rolchenko. *Izv. Kir. fil. Vses. ob-va pochn.* no. 1:113-116 '62.

FUCK, JULIUS, 1893-1943

"Life for Joy" by M. Grygar. Reviewed by M. Vasil'ev. *Sem'na i shkola* 17 no. 11:26-29 N '62.

FUEL

Fuel which can be replaced by hydroelectric power in districts of the European part of the U. S. S. R. and the Ural Mountain region. V. F. Moskvina. *Gidr. stroi.* 33 no. 11:30-33 N '62.

FUEL—CONGRESSES

Scientific and technical conference on problems of fuel drying and grinding in electric power plants. *Teplotekhnika* 9 no. 12:85-86 D '62.

FUMIGATION

K-2 smoke pots for use in granaries. Z. V. Ivanova, V. A. Novikov. *Zashch. rast. ot vred. i bol.* 5 no. 11:39-40 N '60.

Mechanization of the fumigation of soils in vineyards. E. E. Dibner, S. I. Filimonov. *Zashch. rast. ot vred. i bol.* 5 no. 10:15-17 O '60.

Sulfur smoke pots. B. A. Gerasimov, E. A. Gantakina, A. I. Sidorov. *Zashch. rast. ot vred. i bol.* 5 no. 10:34-35 O '60.

Using the G-17 smoke pots. Z. V. Ivanova, Zashch.

rast. ot vred. i bol. 5 no. 10:36-38 O '60.

FUMIGATION—EQUIPMENT AND SUPPLIES

Tent from synthetic film for fumigation purposes. A. K.

Markin, V. N. Tronov. *Zashch. rast. ot vred. i bol.* 5

no. 7:41-43 Ji '60.

FUNCTIONAL ANALYSIS

Variational problems of the optimization of control processes with functionals depending on intermediate

values of the coordinates. V. A. Troitskiy. *Prikl. mat. i mekh.* 26 no. 6:1003-1011 N-D '62.

FUNCTIONS

Correlation between a Schwarz derivative with respect to a set. S. G. Kozlovskiy. *Mat. sbor.* 58 no. 4:479-495 D '62.

Correlation functions. A. K. Mitropolskiy. *Nauch. trudy LTA* no. 84:3-4 '62.

Efficiency of the tentative potential method in solving Schrödinger's equation. G. E. Gernet. *Zhur. vych. mat. i mat. fiz.* 2 no. 5:850-851 S-O '62.

Imbedding theorem for a trace in abstract functions. A. Kh. Gudiev. *Dokl. AN SSSR* 147 no. 4:764-767 D '62.

Liapunov's function for the region of influence of a singular point of higher order [with summary in English]. M. B. Kudayev. *Vest. Mosk. un. Ser. I: Mat., mekh.* 18 no. 1:3-13 Ja-F '63.

Operator of analytic continuation of generalized functions. L. Sh. Khodzhaev. *Dokl. AN SSSR* 147 no. 6:1296-1299 D '62.

Use of Liapunov functions in studying the behavior of the trajectories of some systems of differential equations. M. B. Kudayev. *Dokl. AN SSSR* 147 no. 6:1285-1287 D '62.

FUNCTIONS, ANALYTIC

Analytic capacity of linear sets. L. D. Ivanov. *Usp. mat. nauk* 17 no. 8:143-144 N-D '62.

On the zeros of successive derivatives of an analytic function [with summary in English]. I. U. A. Kaz'min. *Vest. Mosk. un. Ser. I: Mat., mekh.* 18 no. 1:26-34 Ja-F '63.

FUNCTIONS, BOOLEAN see Boolean functions

FUNCTIONS, CHARACTERISTIC see Eigenfunctions

FUNCTIONS, CONTINUOUS

Order of best approximations of continuous functions of two variables. A. A. Stepanov. *Uch. zap. Volg. gos. ped. inst.* no. 11:212-239 '58.

FUR

Processing of sheep pelts preserved with formaldehyde hyposulfite solutions. I. I. Panukin, E. V. Gaevoy, A. N. Mashkov. *Kozh., obuv. prom.* 4 no. 12:22-24 D '62.

Seasonal changes in the thermal insulation capacity of the fur and the preferred temperature in Norway rats (*Rattus norvegicus* Berkenh.) [with summary in English]. A. A. Shuchkina. *Zool. zhur.* 41 no. 11:1714-1718 N '62.

FUR FARMING see subdivision under Krasnodar Territory

FUR TRADE see subdivision under Khabarovsk Territory; Mongolia

FURAN

Interaction of vinyl ethers with furan and 2-methylfuran. M. F. Shostakovskii, A. V. Bogdanova, A. N. Volkov. *Izv. AN SSSR. Old. khim. nauk* no. 12:224-228 D '62.

FURAN—SPECTRA

Ultraviolet absorption spectra of certain 2,5-substituted furans. A. D. Peshukhova, A. A. Ponomarev, M. D. Lipanova. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:88-91 Ja '63.

FURFURYLAMINE

Furan series. Part 24: N-(β -mercaptoethyl) furfurylamines and furfurylthiazolidines. K. I. U. Novitskii, I. U. K. Ust'ev, A. F. Oleinik. *Zhur. ob. khim.* 33 no. 1:68-71 '63.

FURNACES

Aerodynamic characteristics of the torch at the tip of burners with tangential blade supply of the air. R. B. Akhmedov. *Teplotekhnika* 10 no. 1:28-33 Ja '63. Concerning N. V. Mikulina's remarks published in "Teplotekhnika," no. 8 1961. A. I. Vysotskii. *Teplotekhnika* 9 no. 12:90 D '62.

Escape of gases through pipelines as a result of dust explosions. S. L. Shagalova, V. A. Reznik. *Teplotekhnika* 9 no. 12:19-21 D '62.

Study of the work of a flame-layer furnace operating on coal from the Moscow coal basin. S. V. Tatishchev. *Energomašinstroenie* 8 no. 11:21-23 N '62.

FURNACES, HEAT-TREATING

Burning mixed gas in radiation tubes. K. V. Dneprenko, V. P. Koroblin. *Met. i gornorud. prom.* no. 5:67-70 S-O '62.

FURNACES, HEATING

Akademlin stroitel'stva i arkhitektury SSSR. Institut po stroitel'stva, Rostov-on-Don. [Album of heating furnaces and stoves] *Album otchisl'nykh i bytovykh pechey.* Moskva, Gosstroizdat, Pt. 2. [Stoves for heating and cooking] *Pechi otchisl'no-varochnye*, 1962, 88 p.

Automatic centralized control of heat conditions in blooming mill regenerative soaking pits. M. M. Kotrovskii, G. I. Geller. *Stal'* 22 no. 12:1131-1134 D '62. Experience in the operation of a holding furnace with uncooled hearth supports. K. M. Pakhulov and others. *Stal'* 22 no. 12:1135-1136 D '62. Improving conditions of heating a pipe blank. N. S. Kirvaldze, A. Ya. Dergach, V. D. Samoilenko. *Metallurg* 8 no. 1:27-28 Ja '63.

FURNITURE

Combined wood and metal-tube furniture for public and office buildings. G. A. Ivanov. *Bum. i der. prom.* no. 4:44-40 O-D '62.

Shopshelevich, V. L., and T. N. Mokhtlova. [Use of plastics in the manufacture of furniture] *Primeneniye plastmass v proizvodstve mebeli*, Moskva, Tsentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatyvalushchei promyshl., 1962, 71 p. [MICROFILM]

Ushorenko, Z. L. [Manufacture of furniture with glued bent parts] *Proizvodstvo mebeli iz gnuti-kleennykh detalей*, Moskva, Tsentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatyvalushchei promyshl., 1962, 65 p. [MICROFILM]

FURNITURE—EXHIBITIONS

Furniture for a new home. *Sel. stroit.* no. 12:24-24b D '62.

FURNITURE INDUSTRY

(see also subdivision under Lvov; Moscow; Poland; Skhodnya)

Review of the work carried out by the "Ukrainian State Institute of Design and Planning of Furniture Industry Enterprises." S. M. Melamed. *Bum. i der. prom.* no. 4:54-55 O-D '62.

FURNITURE INDUSTRY—EQUIPMENT AND SUPPLIES

Single span hydraulic press. I. A. Serobob. *Der. prom.* 11 no. 12:25 D '62.

FURNITURE see subdivision under Karelia

FUSED SALTS

Density and viscosity of melts of the system KF - HF with the addition of NaF. I. A. Semerkova, A. F. Alabyshov. *Zhur. fiz. khim.* 38 no. 12:2774-2777 D '62.

Effect of the central layer of electrolyte on the indices of the titanium electrorefining process. V. A. Sukhodskii, M. M. Tsyplakova. *Titaniy ego splavy* no. 8:237-241 '62.

Effect of the electrolyte nature on the double layer capacity in fused salts. E. A. Ukahe, N. G. Bukun, D. I. Lekis. *Izv. AN SSSR. Old. khim. nauk* no. 1:31-38 '63. Investigating the anode process during the electrolysis of titanium tetrachloride in fused chloride salts. A. I. Ivanov, I. G. Kukhareva. *Titaniy ego splavy* no. 8:220-226 '62.

FUZULI, MEHMET, 1404-1555

Bertel's, E. E. [Selected works; Nizami and Fuzuli] *Lebrannyi irudy; Nizami i Fuzuli*. Moskva, Izd-vo vostochnoi lit-ry, 1962, 553 p.

GAGARIN, IURII ALEKSEEVICH, 1954-

Kamanin, N. P. [First citizen of the universe] *Pervyi grazhdanin veselennoi.* [Moskva] Molodala gvardia, 1962, 157 p.

GAGARINA, VALENTINA

The wife of a hero. Iolima Gal'perina. *Zhen. mira* no. 4:9-10 '62.

GALATI, RUMANIA—DESCRIPTION

Cranes on the banks of the Danube river. Viktor Kern-bakh. *Vokrug sveta* no. 12:23-24 D '62.

GALAXIES

An attempt to discover the 21 cm. hydrogen radio emission line of galaxy clusters in Corona Borealis and Gemini. N. S. Kardashev. *Astron. tsir.* no. 224: 13-15 Ag '61.

Dark matter in galaxies [with summary in English]. B. A. Vorontsov-Vel'iaminov. *Astron. zhur.* 40 no. 1: 85-93 Ja-F '63.

Evaluation of masses of galaxies by Einstein's effect [with summary in English]. Z. Kh. Kurmakov. *Izv. Astrofiz. inst. AN Kazakh. SSR* 15:25-31 '62.

Modulus of distance of the Small Magellanic Cloud. I. N. Efremov. *Astron. tsir.* no. 227:15-16 F '62.

Structure and dynamics of the Magellanic Clouds considering the dominating background of radiation [with summary in English]. G. M. Idlis. *Izv. Astrofiz. inst. AN Kazakh. SSR* 15:3-24 '62.

GALGA LANGUAGE see Chechen language

GALICIA—AGRICULTURE, COOPERATIVE

Struk, D. S., ed. [Original] *Oryghal*. Boston, Mass. Ukrainian-Speaking Club, 1962, 1 v. (MI)

GALL GNATS see subdivision under Azerbaijan

GALLFLIES see subdivision under Leningrad Province

GALLIUM—ANALYSIS

Certain oxypyrene dyes as reagents for the photometric determination of gallium [with summary in English]. A. I. Busev, I. M. Skrebkova, V. P. Zhivoplatev. *Zhur. anal. khim.* 17 no. 6:685-692 S '62.

GALLIUM ARSENIDE

Synthesis and zone refining of gallium arsenide. A. P. Izergin, V. A. Saltanova, E. N. Mel'chenko. *Izv. vys. ucheb. zav.; fiz.* no. 6:105-110 '62.

Use of the Faraday effect in determining the effective electron mass in GaAs. I. U. I. Ukhov. *Fiz. tver. tela* 5 no. 1:108-111 Ja '63.

GALLIUM COMPOUNDS

Effective electron mass as a function of concentration in InSb, InAs, and GaAs. G. I. Guseva, I. M. Tsidil'kovskii. *Fiz. tver. tela* 5 no. 1:263-268 Ja '63.

GALVANOMETER

Damping of quick-acting galvanometers. B. N. Livshits. *Priborostroenie* no. 12:1-3 D '62.

Effect of the inertia of a mobile galvanometer system on the correctness of determining the cooling rate of bodies. G. M. Levin. *Izv. AN Mold. SSR* no. 9:29-37 '62.

GAMMA FUNCTIONS see Functions, Gamma

GAMMA RAYS

Effect of the gamma rays of Co⁶⁰ on aqueous solutions of mannitol. E. A. Kuzicheva, M. A. Khenakh. *Zhur. ob. khim.* 32 no. 12:4070-4073 D '62.

Effect of the nuclear structure on the internal conversion factors of γ -rays. M. A. Lisengarten. *Izv. AN SSSR. Ser. fiz.* 16 no. 12:1452-1458 D '62.

Electron paramagnetic resonance spectra of γ -irradiated multiple-bond compounds. V. I. Smirnova, D. N. Shigorin, T. S. Zhuravleva. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:78-80 Ja '63.

Formation and recombination of free radicals during γ -irradiation of polypropylene. Part I [with summary in English]. V. K. Malinichuk and others. *Vysokom. soed.* 5 no. 1:71-74 Ja '63.

Gamma rays. V. Shkoda-Uliyanov, M. Mazhukovich. *Nauka i zhytla* 12 no. 10:36-38 O '62.

Sensitized formation of ion radicals of aromatic amines in the radiolysis of frozen organic glassess. Kh. S. Bagdasarian, Z. A. Shil'teyna. *Dokl. AN SSSR* 147 no. 6:1396-1398 D '62.

Simulation of extended sources of gamma-radiation. V. I. Popov. *Atom. energ.* 14 no. 2:219-220 F '63.

GAMMA RAYS—INDUSTRIAL APPLICATIONS

Design of the radiator of radiochemical units for tire vulcanization using the gamma radiation of spent fuel rods of the nuclear reactor. V. K. Khozak and others. *Kauch. i rez.* 21 no. 12:26-29 D '62.

Determining the weight by volume and density variations of a glass bar by the absorption of gamma rays. E. V. Levintovich and others. *Ogneupory* 28 no. 1:17-21 '63.

Effect of gamma rays on the technological properties of wheat grain. P. Dersidov, A. Chmyr', E. Sazonova. *Muk. - elev. prom.* 28 no. 12:3-4 D '62.

GAMMA RAYS—MEASUREMENT

Division of the medium-grained granites of the Gul'shad deposit (central Kazakhstan) according to the results of quantitative mineralogical analysis and radiometric observations. D. I. Ivanov. *Dokl. AN SSSR* 147 no. 6: 1426-1428 D '62.

GAMMA RAYS—PHYSIOLOGICAL EFFECT

Biochemical aspects of the radiation method of food-stuff storage [with summary in English]. L. V. Metlitskii. *Izv. AN SSSR. Ser. biol.* no. 6:869-884 N-D '62.

Effect of γ -irradiation of tubers on the carbohydrate and protein metabolism in potato plants. A. I. Grochushnikov, V. S. Serebrennikov. *Biokhim. pl. i ovoshch.* no. 7:51-59 '62.

Use of ionizing radiation for controlling the dormancy of potatoes in storage. Report No. 3. L. V. Metlitskii. *Biokhim. pl. i ovoshch.* no. 7:5-50 '62.

GAMMA RAYS—SCATTERING

On the mechanism of inelastic scattering of γ -quanta on nuclei [with summary in English]. V. V. Balashov. *Zhur. eksp. i teor. fiz.* 43 no. 6:2199-2203 D '62.

Resonance scattering of γ -rays by impurity nuclei in a solid [with summary in English]. I. P. Dziub, A. F. Lubchenko, T. Sin' Iun'-ven' [Ch'in Yün-wen]. *Ukr. fiz. zhur.* 7 no. 5:457-460 My '62.

GAMMA RAYS—SPECTRA

Resonance scattering of γ -rays by impurity nuclei in a solid [with summary in English]. I. P. Dziub, A. F. Lubchenko, T. Sin' Iun'-ven' [Ch'in Yün-wen]. *Ukr. fiz. zhur.* 7 no. 5:457-460 My '62.

Studying the continuous spectra of fast neutrons and γ -quanta by the method of effective counting. G. G. Doroshenko, A. V. Lashchev. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:141-146 Ja '63.

GAMMARIDAE see subdivision under Vol'kaya Salma Strait

GANEBESOV, VASILII PETROVICH, 1902-1943

Shopelev, L. S. [Writer and patriot; an account of the life and work of V. Ganibeev] *Pisatel', patriot, ocherk o zhizni i tvorchestve V. Ganibeeva*, [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962, 31 p. (MI)

GARAGES

Afanas'ov, E. L., D. S. Kollasinskii, and A. A. Maslov. [Garages and service stations; album of drawings] *Garazhi i slantali obsluzhivaniya avtomobilei; al'bom chertezhef.* Moskva, Avtoizdat, 1962, 104 p.

GARAGES—HYGIENIC ASPECTS see subdivision under Moscow

GARIN, ERAST

Truth of artistry. M. Bloiman. *Isk. kino* no. 10:82-80 O '62.

GARLIC—DISEASES AND PESTS

Method for disinfecting garlic of nematodes. N. M. Syushnikova. *Zashch. rast. ot vred. i bol.* 5 no. 7:34-35 Ji '60.

GARNET CRYSTALS—MAGNETIC PROPERTIES

Selective etching of magnetic garnet crystals. P. V. Kiselev, V. D. Zamoshskii. *Fiz. tver. tela* 5 no. 1: 338-340 Ja '63.

GAS, NATURAL

Crossing borders. A. Sorokin. *NYO* 4 no. 12:50-51 D '62.

Gas flow toward an open well in a deformable porous medium. A. G. Khromov. *PMTF* no. 2:72-80 Mr-Apr '62.

Heating open-hearth furnaces with natural gas. L. M. Efimov. *Blat. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* no. 12:9-13 '62.

Investigating the carbon black obtained in the electric cracking of natural gas prior to the formation of acetylene. D. I. U. Gamburg and others. *Kauch. i rez.* 21 no. 12:22-24 D '62.

Invisible friend. Iurii Bokserman. *Znamia* 32 no. 11: 179-187 N '62.

Means for improving the production methods for gas and gas-condensate fields. I. U. P. Korotsev. *neft i gaz* 7 no. 1:12-18 Ja '63.

Problem of determining the time lag in p tion in a fissured atratum. A. Ban. P. 84 Mr-Apr '62.

GAS, NATURAL (Continued)

- Reduction of oxidized iron ores by natural gas. A. I. Stozhenkii, Met. i gornorud. prom., no. 5:58-60 S-O '62.
- Use of crude and converted natural gas in blast-furnaces. N. K. Leonidov. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:4-9 '62.
- Use of natural gas for metal cutting. V. S. Dyldin. Energetik 10 no. 12:14-15 D '62.
- Use of natural gas in ferrous metallurgy. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:3 '62.
- Volatile gold. NTO 4 no. 12:2-5 D '62.
- Zhdanova, N. V., and A. L. Khalif. [Dehumidification of natural and casinghead gases] Oshushka prirodnykh i poputnykh gazov. Moskva, Gosoptekhizdat, 1962. 110 p.

GAS, NATURAL—GEOLOGY see subdivision under Astrakhan Province; Bashkiria; Caspian Sea region; Kara-Kalpak A. S. S. R.; Kopet-Dag; Russia, Southern; Tajik Depression; Volga-Ural region

GAS, NATURAL—LAW AND LEGISLATION

Legal agreements which regulate the operation of pipelines. S. Dudnikov. Sov. iust. no. 24:12-13 D '62.

GAS, NATURAL—PIPELINES

(see also subdivision under Caucasus; Uzbekistan)

- Conditions for profitable work of a building organization. V. P. Galand. Stroit. truboprov. 7 no. 12:23-24 D '62.
- Features of the route and basic design decisions. G. A. Pilypenko. Stroit. truboprov. 7 no. 12:2-4 D '62.
- Laying a gas pipeline at ground level. A. K. Dertsakian, V. P. Zyrianov. Stroit. truboprov. 7 no. 12:5-7 D '62.
- Legal agreements which regulate the operation of pipelines. S. Dudnikov. Sov. iust. no. 24:12-13 D '62.
- "Machinery and equipment for the construction of municipal gas pipelines" by G. M. Skoblov, D. T. Khodkevich. Reviewed by V. Zelenkov, Z. Rysin. Stroit. truboprov. 7 no. 12:21-22 D '62.
- Make better use of machinery and equipment. A. V. Urtlin. Stroit. truboprov. 7 no. 12:10 D '62.
- Organization of construction work. E. V. Fofor. Stroit. truboprov. 7 no. 12:8-9 D '62.
- Proper organization helps surmount difficulties. N. N. Anosov, Chzhao Ti-Shen [Chao Ti-sheng]. Stroit. truboprov. 7 no. 12:9-10 D '62.
- Standards research work on the Bukhara - Ural Mountain Region route. N. Panteliev. Stroit. truboprov. 7 no. 12:11-12 D '62.

GAS, NATURAL—THERMAL PROPERTIES

Pavlovich, N. V. [Manual on the thermal and physical properties of natural gases and their components] Spravochnik po teplofizicheskim svoystvam prirodnykh gazov i ikh komponentov. Moskva, Gosenergizdat, 1962. 117 p.

GAS AND OIL ENGINES

- Changing the rate of regeneration of a gas-turbine engine under unsteady operating conditions. I. A. Barskii. Avi. prom. 28 no. 12:10-11 D '62.
- Errors resulting from the use of a radioactive isotope technique in studying the wear of engines. B. B. Nefedov. Mekh. i elek. sots. sel'khoz. 20 no. 6:17-20 '62.
- Orlin, A. S., and others. [Internal combustion engines] Dvigateli vnutrennego sgoraniya. Pod red. A. S. Orlina. Moskva, Mashgiz. Vol. 3. [Systems, regulation, automatic control] Sistemy. Regulirovaniye. Avtomatizatsiya. 1962. 307 p.

GAS AND OIL ENGINES—CONGRESSES

Fifth International Congress on Combustion Engines. Energomashinostroenie 8 no. 11:40-41 N '62.

GAS AND OIL ENGINES—FUEL SYSTEMS

Generalized expression of filling and feeding coefficients for internal combustion engines and volumetric compressors. M. G. Kruglov. Vest. mashinost. 42 no. 12:28-29 D '62.

GAS AND OIL ENGINES—TESTING

Effect of the displacer above a piston on the performance of a carburetor engine. L. S. Sukhareva. Avi. prom. 28 no. 12:6-9 D '62.

GAS APPLIANCES

Measuring the intensity of wind head and eliminating its effect on the functioning of gas appliances. V. V. Vinogradov. Sbor. nauch. rab. AKKH no. 9:106-116 '61.

GAS BURNERS

- An electric gas igniter for firing natural gas-oil burners and oil atomizers. V. I. Miletkovskii. Energomashinostroenie 8 no. 11:38-39 N '62.
- Features of organizing steady gas combustion in ceramic grates. M. A. Volkov. Sbor. nauch. rab. AKKH no. 9:56-74 '61.
- Gas burner with increased ejection capacity for circulating water heaters. T. P. Drobot. Sbor. nauch. rab. AKKH no. 9:75-81 '61.
- Impulse for regulating the luminosity of the gas furnace flame. V. S. Kocho, V. I. Orankovskii, V. G. Antosiak. Izv. vyz. ucheb. zav. Chern. met. 5 no. 12:182-187 '62.

GAS CHROMATOGRAPHY

- Chemistry of acetals. Report No. 12: Application of the method of gas-liquid chromatography for the analysis of the products of the reaction of orthoesters with vinyl ethers. L. A. Ivanovskaya, V. F. Kucherov, B. A. Rudenko. Izv. AN SSSR, Old. khim. nauk no. 12:2182-2189 D '62.
- Chemistry of acetals. Report No. 13: Hydrolysis of some diacetals studied by means of gas-liquid chromatography. L. A. Ivanovskaya and others. Izv. AN SSSR, Old. khim. nauk no. 12:2189-2196 D '62.
- Introduction of a solid sample into the gas chromatograph. V. G. Berezkin, J. Janak. Zav. lab. 28 no. 12:1508-1507 '62.
- Preparative partition of titanium and iron chlorides by gas adsorption chromatography. L. G. Vlasov, I. U. N. Sychev, A. V. Laptekhin. Vest. Mosk. un. Ser. 2:Khim. 19 [i. e. 17] no. 6:55-57 N-D '62.
- Simple preparative chromatographic apparatus. I. U. N. Filippov, I. A. Tsarfin. Zav. lab. 28 no. 12:1507-1508 '62.
- Vacuum gas-chromatographic apparatus. P. F. Komissarov, D. A. Vakhirev. Zav. lab. 28 no. 12:1504-1506 '62.
- Zhukhovitski, A. A., and N. M. Turkel'taub. [Gas chromatography] Gazovaya khromatografiya. Moskva, Gosoptekhizdat, 1962. 440 p.

[MICROFILM]

GAS COOKING

- Conditions of gas consumption for the preparation of food in apartments. B. L. Shifrinson. Sbor. nauch. rab. AKKH no. 9:117-125 '61.
- Gas oven for baking and frying. B. Kharmats, V. Trubko. Obshchestv. pit. no. 11:34-37 N '62.
- Gasification of dining cars. V. Safonov. Obshchestv. pit. no. 12:42 D '62.

GAS DISTRIBUTION

Fulfilling socialist obligations. V. A. Alekseev. Stroit. truboprov. 7 no. 12:21 D '62.

GAS DYNAMICS

- Boundary conditions at nonstationary processes in gas systems. R. A. Shipov. Inzh. zhur. 2 no. 4:232-236 '62.
- Bridging of the melt in a layer of blast furnace charge. A. S. Kukarkin, B. I. Kitaev. Izv. vyz. ucheb. zav. Chern. met. 5 no. 12:20-28 '62.
- Derivation of energy equations of interpenetrating movements of gaseous media [with summary in English]. V. I. Maron, V. A. Medvedev. Vest. Mosk. un. Ser. 1:Mat., mekh. 18 no. 1:43-45 Ja-F '63.
- Investigating the gas dynamics of the blast furnace process with use of helium. I. A. Kopyrin and others. Izv. vyz. ucheb. zav. Chern. met. 5 no. 12:29-40 '62.
- Length of the turbulent gas flame flowing at high pressures from cylindrical and conical nozzles. S. I. Averin, I. D. Semkin. Izv. vyz. ucheb. zav. Chern. met. 5 no. 12:162-173 '62.
- Method of numerical calculation of discontinuous solutions to gas dynamics equations [with summary in English]. V. B. Bulakin. Inzh.-fiz. zhur. 6 no. 1:105-108 Ja '63.
- Rarefaction wave in a relaxing gaseous mixture. V. N. Arshipov. PMTF no. 4:40-46 JI-Ag '62.

GAS FLOW

- Approximation methods applied in developing the problem of a radiating gas flow about a plate of finite length. A. T. Onufriev. PMTF no. 5:70-74 S-O '62.
- Convective heat transfer to plates from a gas flow out of burner nozzles. V. N. Timofeev, I. A. Fevralova, M. A. Vavilova. Sbor. nauch. rab. VNIIMT no. 8:454-471 '62.
- Effect of underloading a blast furnace on the temperature, composition and static pressure of gases. V. V. Poltavets. Stal' 22 no. 12:1069-1071 D '62.
- Flow of a plane gas jet onto a semifinite screen [with summary in English]. T. S. Solomakhova. Vest. Mosk. un. Ser. 1:Mat., mekh. 18 no. 1:62-73 Ja-F '63.
- Heat transfer from plates and rectangular parallelepipeds with transverse and longitudinal flowing of gases around them. V. N. Timofeev, I. A. Fevralova. Sbor. nauch. rab. VNIIMT no. 8:396-439 '62.
- Interaction between a simple wave and a contact discontinuity [with summary in English]. I. U. A. Sezonenko. Vest. Mosk. un. Ser. 1:Mat., mekh. 18 no. 1:54-61 Ja-F '63.
- Investigating convective heat transfer to plates in a flow of gases. V. N. Timofeev, I. A. Fevralova, M. A. Vavilova. Sbor. nauch. rab. VNIIMT no. 8:431-453 '62.
- Measurement of the rate of gas flows by kinematic methods; review. A. M. Trolman. PMTF no. 2:112-121 Mr-Ap '62.

- On the existence of a "negative" enrichment effect in the thermal diffusion of gases through porous media. B. N. Goshchitskii, I. S. Izraelievich. Dokl. AN SSSR 147 no. 4:817-818 D '62.
- Propagation of gas in fissured rocks. I. U. P. Zholotov, P. P. Zolotarev. PMTF no. 5:135-139 S-O '62.
- Selection of efficient gas flow and temperature conditions for blast furnace air preheaters. P. R. Shkilar, V. M. Malkin. Sbor. nauch. rab. VNIIMT no. 8:246-258 '62.

Some approximate methods for solving problems concerning unsteady filtering of a gas. Lan Chzhan-sin' [Lang Chang-hsin]. PMTF no. 4:128-130 JI-Ag '62.

GAS GANGRENE

Treatment of wounds contaminated by gas. Report No. 1: Comparative data on the absorption of poisons, dyes and X-ray contrast media from parts of the body delimited by straight and curved incisions. M. A. Likhtentul. Zdrav. Kazakh. 22 no. 7:43-47 '62.

GAS PURIFIER see Scrubber (Chemical technology)

GAS STOVES see Stoves, Gas

GAS-TURBINE DISKS

Selection of a material for marine gas turbine-disks. I. M. Bartov. Trudy TSNIIMF 8 no. 42:64-70 '62.

GAS TURBINES

- Control system of a 50 Mw. gas turbine manufactured by the Kharkov Turbine Plant. P. S. Komm and others. Teploenergetika 9 no. 12:37-44 D '62.
- Design of the intermediate cooler for the compressor of a gas turbine system. M. D. Novikov. Energomashinostroenie 8 no. 11:28-30, 46 N '62.
- Design of the intermediate cooler of the compressor of a gas turbine system. Energomashinostroenie 8 no. 11:46 N '62.
- Dynamics of the control of a GTU-50-800 gas turbine system manufactured by the Kharkov Turbine Plant. P. S. Komm and others. Energomashinostroenie 8 no. 12:1-7 D '62.
- Effect of leakage through the radial gaps between the rotor and the gate mechanism on the efficiency of a turbine stage. V. G. Tyryshkin, B. A. Shirkov. Energomashinostroenie 8 no. 12:26-29 D '62.
- Effect of the nature of fuel on the power and efficiency of gas turbine systems. G. G. Ol'khovskii. Teploenergetika 10 no. 1:8-14 Ja '63.
- A fully mechanized department for manufacturing welded diaphragms. B. A. Bol'shakov, I. S. Segal'. Energomashinostroenie 8 no. 11:31-33 N '62.
- A review of articles on steam and gas turbines published in Soviet periodicals. Teploenergetika 10 no. 1:94-95 Ja '63.

Some problems concerning the component distribution and compensation of thermal expansion of the GTU-50-800 gas turbine system manufactured by the Kharkov Turbine Plant. V. N. Savvin and others. Energomashinostroenie 8 no. 11:10-13 N '62.

GAS TURBINES—COOLING

Problem concerning the cooling of a high-temperature gas turbine. I. I. Kirillov, V. A. Zysin, S. I. Oshakov. Energomashinostroenie 8 no. 12:7-10 D '62.

GAS WELDING AND CUTTING

- "Metalcutting by low-pressure oxygen" by M. Bortin, V. Shevchenko, A. Hushchenko; "Welding in the water vapor medium" by L. Sapronov. Reviewed by V. Shalhanova. Nauka i zhytiya 12 no. 10:63 O '62.
- Preventing deformations during mechanical gas cutting. N. M. Varfolomeev. Izv. vyz. ucheb. zav. mashinost. no. 7:165-168 '62.
- Use of natural gas for metal cutting. V. S. Dyldin. Energetik 10 no. 12:14-15 D '62.

GAS WELDING AND CUTTING—EQUIPMENT AND SUPPLIES

- Mechanizing the oxygen cutting of locomotive parts. L. D. Veretnik. Svar. proizv. no. 7:18-21 JI '62.
- Mechanizing the oxygen cutting out of circular apertures in curvilinear surfaces. A. F. Komissarov. Svar. proizv. no. 7:21-23 JI '62.

GASES

- Effect of a gaseous medium on the conductance, mobility, and concentration of current carriers in lead sulfide photoresistances. I. A. Borozhina. Zhur. fiz. khim. 36 no. 12:2763-2765 D '62.
- Optical method for determining the mutual diffusion coefficients of gases. P. E. Suetin. Teplo- i massoprov. 1:188-190 '62.
- Safe high pressure gas mixer for highly explosive gas mixtures [with summary in English]. A. I. Rozlovskii, I. I. Strizhovskii, V. F. Zakaznov. Zhur. fiz. khim. 36 no. 12:2800-2810 D '62.

GASES—ANALYSIS

- Application of the FEK-M photocolormeter for the determination of microconcentration of oxygen in gases. V. G. Skripka, N. M. Dykhno. Zav. lab. 28 no. 12:1439-1440 '62.
- Molecular balance for analysis of gases. A. E. Rovinskii, Z. N. Kosova. Zav. lab. 28 no. 12:1528-1530 '62.
- Spectrometric determination of small concentrations of carbonyl sulfide and carbon disulfide in pure gases [with summary in English]. S. M. Golland, V. I. Lazarov. Zhur. anal. khim. 17 no. 6:734-738 S '62.

GASES—LIQUEFACTION

Automatic regulator of liquefied gas levels using thermistors. V. P. Pozdeev. Prihorostroenie no. 12:25 D '62.

GASES—PURIFICATION

Purification of hydrogen from sulfur compounds, B. N. Chubinskii, V. I. Brekhov, Masl. -zhir. prom. 28 no. 12:24-26 D '62.

GASES—SPECTRA

Spectroscopic study of the state of a gas behind the detonation front, R. I. Soloukhin, T. A. Sharapova, PMTF no. 2:37-41 Mr-Apr '62.

GASES—THERMAL PROPERTIES

Materials with ultralow heat conductivity, and calculation of the heat conduction and viscosity of gases in fine-pore materials and in a rarefied state, R. S. Prasolov, Teplo- i masopar. 1:213-217 '62.

GASES—THERMODYNAMIC PROPERTIES

Determining the properties of uninvestigated substances on the basis of thermodynamic analogy [with summary in English], I. A. Z. Kazachinskii, Inzh. -fiz. zhur. 6 no. 1:27-33 Ja '63.

GASES, KINETIC THEORY OF

Nonequilibrium energy distribution by vibrational degrees of freedom in gases, A. I. Osipov, E. V. Stupochenko, Usp. fiz. nauk 79 no. 1:81-113 Ja '63.

GASES AT HIGH TEMPERATURES

Temperature dependence of the diffusion coefficients of gases, V. P. Vyshenskaya, N. D. Kosov, Teplo- i masopar. 1:181-187 '62.

GASES AT HIGH TEMPERATURES—SPECTRA

Spectral characteristics of some gases at high temperatures and pressures, A. A. Kon'kov, V. P. Ionov, Teplo- i masopar. 1:198-204 '62.

GASES IN SOILS

Air permeability of turf-Podzolic soils in various farm lands under different moisture conditions [with summary in English], I. N. Nikolaeva, Pochvovedenie no. 8:92-99 Ag '62.

GASOLINE

Determining the amount of gasoline and alcohol in water-and-alcohol solutions of the alkyl sulfates of secondary alcohols, V. I. Babov, T. S. El'kina, K. G. Besadina, Masl. -zhir. prom. 28 no. 12:28-29 D '62.

Effect of the fractional composition of gasolines on their pyrolysis products, T. N. Mukhina, S. E. Naok, Neftekhimika 2 no. 5:723-729 S-O '62.

Pyrolysis of gasoline vapors to acetylene and olefins in water vapor plasma, D. T. Il'in, E. N. Eremkin, Vest. Mosk. un. Ser. 2:Khim. 16 [1. e. 17] no. 8:41-42 N-D '62.

GASTROINTESTINAL MOTILITY

Changes in the evisceratory motor activity of the gastrointestinal tract in adhesions in the ileocecal region of dogs, M. M. Prochorenko, Usp. Nauk, preisl. asp. UASIN no. 5:152-157 '60.

Enterogastric reflex in response to mechanical stimulations, L. I. Solachnik, Vest. AN BSSR, Ser. Biol. nav. no. 3:93-97 '62.

GASTROPODA see subdivision under White Sea

GATES, HYDRAULIC

Design of flat high-pressure submerged gates, M. A. Rudyk, V. A. Palumas, P. E. Lysonko, Izv. ANA 4 no. 4:102-107 '62.

GAUGES

Gauge for measuring contact stresses in sagging, A. N. Levanov, I. A. Tarnovskii, Zav. lab. 20 no. 12:1531-1532 '62.

Visual measurement devices, I. U. N. Petrov, I. A. N. Nefedov, Mashinostroitel' no. 12:30 D '62.

GAURDAX—INDUSTRIAL WASTES

Technical specifications for the use of scoria from the Gaurdak mine as a building material using the wastes of sulfur smelting, V. O. Tshoklov, I. U. B. Alzenberg, Trudy FTI Turk. fil. AN SSSR no. 2:7-13 '60.

GEAR CUTTING

Checking calculation of gear cutters for cutting gear-wheel teeth with internal engagement, V. F. Romanov, Vest. mashinost. 42 no. 12:61-63 D '62.

GEAR-CUTTING MACHINES

Design of a shaver for shaving bevel gears with helical teeth, P. Sh. Gekht, Stan. i instr. 33 no. 12:18-21 D '62.

Effect of the cyclic error of a gear-grinding machine on the precision of gear-wheel pitch, Stan. i instr. 33 no. 12:16-18 D '62.

The 5P23BP high-precision semiautomatic gear-shaping machine for cutting straight-teeth bevel gears, B. G. Zudov, Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:40-42 '62.

The 52TM-2 gear-shaping machine for cutting bevel gears, A. V. Bogachev, Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:42-43 '62.

Mechanism of the machining of pinion teeth, I. U. S. Borisov, V. P. Sakharov, Mashinostroitel' no. 12:13-16 D '62.

Modernization of the ZF-01 gear-cutting machine.

I. U. P. Lepilin, Transp. stroit. 12 no. 12:49 D '62.

New gear-cutting machines, E. I. Tsyplov, Mashinostroenie no. 5:116-121 S-O '62.

Precision calculation of machine tools for cutting bevel gears, V. A. Chervotkin, Izv. vys. ucheb. zav. mashinost. no. 7:184-191 '62.

Single-turn hob cutter for machining hardened gear wheels, G. G. Ouyman, I. A. I. Adam, Stan. i instr. 33 no. 12:29-30 D '62.

GEAR-SHAPING MACHINES

Graphic and analytic calculation of gear-generating tools, V. F. Stan. i instr. 33 no. 12:12-16 D '62.

GEARING

Blocking contours of involute engagement, M. B. Groman, Vest. mashinost. 42 no. 12:12-17 D '62.

Gears with two idlers, L. N. Reshetov, Izv. vys. ucheb. zav. mashinost. no. 7:57-60 '62.

Kolchin, N. I., V. L. Velts, and M. L. Mitsengendler, [Fundamental information on gear transmissions and meshings] Osnovnye svedeniia o zubechatykh peredachakh i zatsenplakh. Pod obshch. red. N. I. Kolchina, Moskva, Mashgiz, 1962. 144 p. (Biblioteka zuboreza, no. 1)

Preliminary determination of structural parameters of the 2K-N planetary transmission, I. V. Sigov, Vest. mashinost. 42 no. 12:17-18 D '62.

GEARING, WORM

Litvin, F. L. [New types of cylindrical worm gears] Novye vidy tsilindricheskikh chervyachnykh peredach, Moskva, Mashgiz, 1962. 102 p.

Zak, P. S. [Double enveloping worm gears] Globolnaya peredacha, Moskva, Mashgiz, 1962. 255 p. [MICROFILM]

GESE—PARASITES see Parasites—Geese

GEGAMSKIY RANGE—SOIL FORMATION

Genetic characteristics of mountain-meadow and meadow-steppe soils in the Gegamskiy Upland [with summary in English], I. M. Orsopian, Pochvovedenie no. 11:60-61 N '62.

GEGAMSKIY RANGE—SOILS

Characteristics of mountain-meadow soils of the Gegamskiy Range developed under the species Festuca varia ilicantke [in Armenian with summary in Russian], Z. S. Avudzhian, Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:110-125 '62.

GEIGER-MÜLLER COUNTERS

Possibility of using Geiger counters in new ways for uninterrupted recording of cosmic rays, I. A. L. Blokh, Geomag. i aer. 2 no. 6:1160-1162 N-D '62.

GENERATIVE ORGANS, FEMALE—ABNORMALITIES AND DEFORMITIES

Detection and treatment of disorders of sexual development in girls [with summary in English], M. I. Miloslavskii, M. V. Zhurova, Trudy Ukr. nauch. -issl. inst. eksp. endok. 18:323-327 '61.

GENETICS

Avakian, A. A. [Biology of the development of agricultural plants] Biologiya razvitiia sel'kokhozhainstvennykh rastenii, 2. izd., Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 486 p. (DNAL)

Code of heredity is deciphered, S. Hershenzon, Nauka i zhytita 12 no. 9:20-21 S '62.

Controlling the heredity, V. Shakhbazov, Nauka i zhytita 12 no. 9:22, 41 S '62.

"Dialectical materialism and problems of genetics" by G. V. Platonov and "Social and geosociological roots of Weismannism-Morganism" by A. I. Kuroedov, I. V. Dragalina, Reviewed by N. V. Lobedev, Vest. sel'khoz. nauk i zhytita 7 no. 11:147-149 N '62.

Microbe as a biological model, M. Zhukov-Verozhnykov, Nauka i zhytita 12 no. 9:23-24 S '62.

GEO-ELECTRIC PROSPECTING see Electric prospecting

GEOCHEMICAL PROSPECTING

(see also subdivision under Tanalyk Valley; Ural Mountains; Ust-Urt)

Geochemical principles in the classification of natural landforms, M. A. Glazovskaya, Vop. geog. no. 59: 6-52 '62.

GEOCHEMISTRY

(see also subdivision under Kirghizstan; Tajik Depression; Ural Mountain region; White Russia)

First results of the research of the geochemistry of landforms, V. D. Vop. geog. no. 59:186-201 '62.

Geochemical characteristics of ancient formations in the Russian Platform, T. S. N. Pitkovskaya, Trudy VNIGRI no. 180:250-274 '62.

"Geochemistry of landforms" by A. I. Peral'man, Reviewed by V. D. Vop. geog. no. 59:178-177 '62.

Organic acids in ancient deposits, N. T. Shabarova, Dokl. AN SSSR 147 no. 6:1465-1466 D '62.

Tagseva, N. V., and M. M. Tikhomirova, [Geochemistry of bottom sediments in the Black Sea (northwestern part)] Gidrogeokhimiia donnykh osadkov Chernogo moria (severo-zapadnaya chast'), Moskva, Izd-vo Akad. nauk SSSR, 1962. 145 p.

GEODESY

"Geodesy in construction" by N. K. Farenbrukh, Reviewed by A. S. Kuznetsov, V. P. Efremov, V. A. Belichinskii, Prom. stroit. no. 10:55-3 of cover '62.

Shchavlev, A. F. [Geodesy] Geodeziia, Leningrad, Izd-vo "Rechnoi transport", 1962. 332 p.

Slavchevskii, K. A. [Textbook for practical work in geodesy] Pozabok prakticheskikh zaniatii po geodezii, Moskva, Geodezizdat, 1962. 170 p.

Zakarov, P. S., and others, [Geodesy] Geodeziia, [By] A. I. Bulanov i dr. Pod obshch. red. D. A. Slobodchikova, Moskva, Izd-vo geodez. lit-ry, Pt. 1. 1962. 315 p.

GEODESY—ABSTRACTS

[Astronomy and geodesy] Ref. zhur.: Astron. i geod. no. 12 D '62. Predmetnyi ukazatel' za 1961 g.

GEOGRAPHICAL NAMES see Names, Geographical

GEOGRAPHICAL RESEARCH see subdivision under Repetek; Siberia

GEOGRAPHY

(see also subdivision under Kalinin Province; White Russia)

Conception of the unity of geography, N. N. Kolosovskii's letter to V. M. Chelyrkin, Vest. Mosk. un. Ser. 5:Geog. 17 no. 4:22-26 Ji-Ag '62.

Geographic kaleidoscope, H. Skarlato, Znan. ta pratsia no. 12:8 D '62.

Selected lectures for correspondence school students, N. Akhtyrina, A. Neustroev, Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:85-86 N-D '62.

GEOGRAPHY—ABSTRACTS

[Geography] Ref. zhur.: Geog. no. 1 Ja '63.

GEOGRAPHY—AUDIO-VISUAL AIDS

Future teachers should have skillful hands, A. V. Sukhorukova, Vest. vys. shkoly 20 no. 12:64-65 D '62.

GEOGRAPHY—CONGRESSES

Hungarian Geographical Conference, P. M. Alampiev, Vest. AN SSSR 33 no. 1:85-86 Ja '63.

"The 19th International Geographical Congress in Stockholm," Reviewed by I. U. G. Saushkin, Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:83-84 N-D '62.

GEOGRAPHY—DICTIONARIES

[Concise geographical encyclopedia] Kratkaia geograficheskaiia entsiklopediia, Glav. red. A. A. Grigor'ev, Chleny red. kollegii: P. M. Alampiev i dr. Nauchn. sovet izd-va: A. A. Aleksandrov i dr., Moskva, Gos. nauchn. izd-vo "Sovetskaiia entsiklopediia," (Entsiklopedii, slovari, spravochniki) Vol. 3. Mils-Soluz SSR, 1962. 580 p.

GEOGRAPHY—STUDY AND TEACHING see subdivision under Poland

GEOGRAPHY—TERMINOLOGY

"A glossary of geographical terms" [in English] edited by L. Dudley Stamp, Reviewed by I. U. G. Saushkin, Vest. Mosk. un. Ser. 5:Geog. 17 no. 8:97-98 N-D '62.

GEOGRAPHY, ECONOMIC

(see also subdivision 'Economic geography' under Adzharia; Baltic States; Evenski National Area; France; Guinea; Kharkov Province; Zeya Valley)

Distribution of productive forces, N. Nekrasov, Kommunist 39 no. 3:25-36 F '63.

Program of the CTSU and some problems relative to the teaching of economic geography, S. B. Lavrov, Izv. Vses. geog. ob-va 94 no. 8:498-499 N-D '62.

GEOGRAPHY, ECONOMIC—BIBLIOGRAPHY see Bibliography—Geography, Economic

GEOGRAPHY, ECONOMIC—MAPS

(see also subdivision 'Economic geography—Maps' under Manitoba)

Darinskii, N. N., and A. I. Prokhorovskii, [Economic cartography] Ekonomicheskaiia kartografiia, Moskva, Geografiz, 1962. 284 p.

"World atlas; countries of the world and their economy" [in German], Reviewed by M. B. Vol'f, Izv. Vses. geog. ob-va 94 no. 8:530-531 N-D '62.

GEOGRAPHY, ECONOMIC—STUDY AND TEACHING

Akademiia pedagogicheskikh nauk RSFSR, Moscow, Institut obshchego i pol'tekhnicheskogo obrazovaniia, [Teaching economic geography in secondary schools] O prepodavanii ekonomicheskoi geografii v srednei shkole, Pod red. I. I. Samoilova, Moskva, Izd-vo APN RSFSR, 1962. 80 p.

GEOGRAPHY, ECONOMIC—ARCHITECTURE, PRIMITIVE

Several problems of ancient architecture in the aene lithic settlements of the Geok-Syr Oasis, V. I. Sarlanidi, Krat. soob. inst. arkheol. no. 9:122-29

GEOK-SYUR OASIS—STONE AGE

Several problems of ancient architecture in the seneolithic settlements of the Geok-Syur Oasis. V. I. Sarianidi. *Krat. soob. Inst. arkheol.* no. 9:22-29 '62.

GEOLOGICAL MODELING

Additional data on the problems of the development of the series "break" in the Neftyanaye Kanini field obtained by electric modeling methods. B. A. Azimov and others. *Azerb. neft. khoz.* 41 no. 8:26-29 Ag '62.

GEOLOGICAL MUSEUMS

see subdivision under Leningrad

GEOLOGICAL RESEARCH

Glance through the earth. L. Kovalenko. *Nauka i zhytlye* 12 no. 10:51-52 O '62.

Urgent problems of geology. D. I. Shcherbakov, A. L. Lashin. *Priroda* 52 no. 1:44-53 '63.

GEOLOGICAL SURVEYS

Prospecting in the depths of the earth. V. Bondarchuk. *Nauka i zhytlye* 12 no. 7:46-48 Ji '62.

GEOLOGICAL TIME

(see also subdivision under Yakutia)

Bolyevskii, V. I. [Small atlas of guide fossils] *Malyye atlas rukovodivshchikh iskopaemykh*. 3., perer. i dop. Izd. Leningrad, Gostoptekhizdat, 1962. 265 p.

GEOLOGY

(see also subdivision under Apsheron Peninsula; Berdyansk Spit; Bol'shezemel'skaya Tundra; Dzegarmchay Valley; Dzhezkazgan District; Kura Lowland; Saratov Province; Shamkhorchay Valley; Zoravshan Valley)

"Introduction to geological microbiology" by P. M. Murzaev and others. A book review. *Izv. AN SSSR, Ser. biol.* no. 6:951-952 N-D '62.

Lebedeva, N. B. [Practical exercises in general geology] *Porobie k prakticheskim zaniatiyam po obshchey geologii*. [Moskva] Izd-vo Mosk. univ., 1962. 64 p.

GEOLOGY—ABSTRACTS

[Geology] *Ref. zhur.: Geol.* no. 1 Ja '63.

GEOLOGY—CONGRESSES

Twenty-first session of the International Geological Congress. M. A. Kashkai. *Uch. zap. AGU. Geol.-geog. ser.* no. 1:3-14 '62.

GEOLOGY—DICTIONARIES

Berkeliev, Myrat. [Russian-Turkmen dictionary of geological terms] *Russko-turkmenkii slovar' geologicheskikh terminov*. Pod red. K. K. Mashrykova i V. Meskutova. Ashkhabad, Izd-vo Akad. nauk Turkmenkoi SSR, 1962. 226 p.

GEOLOGY—MAPS

Using the results of geophysical surveying for geological mapping on 1:10,000 and 1:5,000 scale. B. E. Khiesin. *Uch. zap. AGU. Geol.-geog. ser.* no. 1:37-41 '62.

GEOLOGY—STUDY AND TEACHING

Geology as a local basis for the work of chemical clubs in eight-year schools. A. A. Rytin. *Khim. v shkole*. 17 no. 6:57-62 N-D '62.

GEOLOGY, ECONOMIC

see subdivision under Crimea

GEOLOGY, STRATIGRAPHIC

(see also subdivision under Aktubinsk Province; Alay Range; Asia, Central; Azerbaijan; Balkhan Range region; Buzachi Peninsula; Carpathian Mountain region; Caspian Sea region; Dnieper-Donets Lowland; Dnieper Valley; Dniester Valley; Don Valley; Gissar Range; Kama Valley; Kara Kum Canal region; Karaganda Basin; Kazakhstan; Kenkiyay region; Kirghizistan; Kotuy Valley; Kuban-Azov Lowland; Kuban Lowland; Kuban Valley; Mezen' Valley; Olenki District; Pay-Khoy; Russian Platform; Sakmara Valley; Tien Shan; Trans-Alay Range; Transbaikalia; Tunkinskiy Gol'tey Range; Turkmenistan; Ukraine; Ulyanovsk Province; Unzha Valley; Kostroma Province; Ural Mountain region; Ural Mountains; Ural Valley; Ust-Urt; Volga Valley; Volgograd Province; Walachia; White Russia)

About the so-called old boundary between the Neogene and Quaternary and some other problems. V. I. Gromov. *Trudy Kom. chetv. per.* 20:137-139 '62.

Boundary between the Pliocene and Quaternary, based on the fauna of marine mollusks. B. I. Zhizhenko. *Trudy Kom. chetv. per.* 20:155-156 '62.

Boundary between the Quaternary and Neogene. R. F. Chemekov. *Trudy Kom. chetv. per.* 20:146-149 '62.

Boundary between the Quaternary and Neogene. L. K. Gabunia. *Trudy Kom. chetv. per.* 20:157-158 '62.

Boundary between the Quaternary and Tertiary systems in the light of paleobotanical data. V. P. Grichuk. *Trudy Kom. chetv. per.* 20:55-66 '62.

Boundary of the maximum expansion of the recent ice cap and some problems of the stratigraphy and paleogeography of the Upper Pleistocene in the northwestern area of the European part of the U. S. S. R. N. S. Chebotarova. *Trudy Kom. chetv. per.* 19:148-160 '62.

Boundary of the Neogene and Quaternary systems. E. V. Shantser. *Trudy Kom. chetv. per.* 20:5-24 '62.

Development of nature in the U. S. S. R. during the Quaternary. K. K. Markov. *Trudy Kom. chetv. per.* 19:3-41 '62.

Experience in using "ecogenetic" data for the detailed stratigraphic subdivision of sedimentary rocks. E. A. Kireeva. *Uch. zap. SGU* 65:13-19 '59.

Formulation of the problem of the lower boundary of Quaternary sediments. V. A. Zubakov. *Trudy Kom. chetv. per.* 20:143-145 '62.

Lower boundary of the Quaternary, based on data obtained from the facies analysis of Akchagyl' and Apsheron sediments. A. V. Kozhevnikov. *Trudy Kom. chetv. per.* 20:165-168 '62.

Lower boundary of the Quaternary. N. I. Kriger. *Trudy Kom. chetv. per.* 20:150-154 '62.

Lower boundary of the Quaternary system. V. G. Bondarchuk. *Trudy Kom. chetv. per.* 20:47-54 '62.

Observations on the problem of the boundary between the Neogene and Quaternary. R. L. Merklin. *Trudy Kom. chetv. per.* 20:159-160 '62.

On the dividing line between the Hauterivian and Barremian stages. V. V. Drushchits. *Dokl. AN SSSR* 147 no. 4:900-903 D '62.

Pliocene stratigraphy based on mammalian fauna data. K. V. Nikiforova. *Trudy Kom. chetv. per.* 19:42-69 '62.

Principal stratigraphic boundaries of the Quaternary system. K. K. Markov. *Trudy Kom. chetv. per.* 20:140-142 '62.

Relationship between continental and marine Upper Pliocene sediments in the southern and southeastern areas of the European part of the U. S. S. R., in connection with the problem of the lower boundary of the Quaternary. G. I. Popov. *Trudy Kom. chetv. per.* 20:82-87 '62.

Resolution of the joint plenum of the Permanent Commissions on Neogene and Quaternary Systems, Attached to the Interdepartmental Stratigraphic Committee and the Commission on the Study of the Quaternary Period of the Academy of Sciences of the U. S. S. R., on the position of the boundary between the Neogene and Quaternary systems. A. G. Eberzin and others. *Trudy Kom. chetv. per.* 20:182-184 '62.

Solution of the problem of the lower boundary of the Quaternary. G. I. Goretskii. *Trudy Kom. chetv. per.* 20:25-46 '62.

Some data on the position of Kuyalnik sediments in the south of the U. S. S. R., in connection with the upper boundary of the Neogene. I. A. Iatsko. *Trudy Kom. chetv. per.* 20:173-175 '62.

Stratigraphic position of Kuyalnik sediments. K. V. Nikiforova. *Trudy Kom. chetv. per.* 20:176-179 '62.

GEOLOGY, STRUCTURAL

(see also subdivision under Apsheron Archipelago; Azerbaijan; Carpathian Mountains; Caucasus; Northern; Goluboy Zaliv region; Kakhela; Kal'mius Valley; Kazennyi Torets Valley; Kola Peninsula; Krasnoyarsk Territory; Lovozero Tundra; Tajik Depression; Transbaikalia; Turkmenistan; Vakhsh Valley; Yakutia)

On the existence of terrestrial pulsations related to the solar cycle. G. P. Tamrazian. *Dokl. AN SSSR* 147 no. 6:1361-1364 D '62.

Second All-Union Conference on Tectonics. O. A. Mazarovich. *Vest. Mosk. un. Ser. 4: Geol.* 17 no. 8: 71-73 N-D '62.

GEOLOGY

Kozlovskii, V. M., and B. I. Khatsel. [What is possible and what is not possible in geology using compass and ruler] *Pro mozhiye i nemozhiye v geometrii tsyrkuli i linii*. Kyiv, Radians'ka shkola, 1962. 124 p. (Biblioteka uchitel'noy matematiky)

On a machine language for geometry and translation algorithms from Russian into this language (conclusion). A. V. Kuznetsov, E. V. Paducheva, N. M. Ermolaeva. *Mash. perev. i prikl. ling.* no. 8:9-18 '61.

GEOLOGY—CONGRESSES

First All-Union Conference on Geometry. N. I. Kovalev. *Usp. mat. nauk* 17 no. 6:231-246 N-D '62.

GEOLOGY—PROBLEMS, EXERCISES, ETC.

Application of knowledge in geometrical problems. E. P. Ivanitsyna. *Dokl. APN* no. 2:49-52 '62.

Preparatory geometrical exercises. I. F. Teslenko, A. A. Tyshchuk. *Nech. shkola* 30 no. 12:52-56 D '62.

Various means of proving theorems; from school practice. N. N. Nikitin. *Mat. v shkole* no. 6:18-25 N-D '62.

GEOLOGY—STUDY AND TEACHING

Methods of stimulating the work of students in evening (staggered) schools. A. E. Penalchev. *Mat. v shkole* no. 6:32 N-D '62.

Role of oral speech in the process of concept formation with various forms of initial activity. N. F. Talyzina, V. V. Nikolaeva. *Dokl. APN* no. 1:87-70 '62.

Stimulating the students in geometry lessons. L. M. Mukhina. *Mat. v shkole* no. 6:25-26 N-D '62.

GEOLOGY, DIFFERENTIAL

On affinely connected spaces without first-class torsion. A. K. Rybnikov. *Mat. sbor.* 58 no. 4:423-438 D '62.

Total surfaces of negative curvature $K < -1$ in Euclidean E_3 and E_4 spaces. E. R. Rozendorn. *Mat. sbor.* 58 no. 4:453-478 D '62.

GEOMETRY, MODERN

Kinematics and Lobachevskii's geometry. I. A. Smorodinskii. *Atom. energ.* 14 no. 1:110-121 Ja '63.

Philosophical substance of the geometrical concept of multidimensional space. Kh. P. Fraiman, B. U. Britan. *Vop. filos.* 17 no. 1:116-125 '63.

GEOMETRY, PLANE—STUDY AND TEACHING

Stereometry elements in the plane geometry course for grades 6-8. G. V. Vorob'ev. *Dokl. APN* no. 1:51-54 '62.

Theorems on straight lines and surfaces in space and how we study them. S. Rubanau. *Ner. osv.* no. 11: 68-85 N '62.

GEOMETRY, SOLID

Using Desargues' theorems in the construction of the intersection of geometrical bodies by planes. A. A. Vlasov. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11: 395-397 '62.

GEOMETRY, SOLID—PROBLEMS, EXERCISES, ETC.

Improving the efficiency of stereometry lessons. V. P. Demidov. *Mat. v shkole* no. 6:26-27 N-D '62.

GEOMORPHOLOGY

(see also subdivision under Il'ovya Valley; Kakhela; Volga Valley)

Role of N. A. Golovinskii in the development of Russian geomorphology. I. N. Aleksandrov. *Izv. Vses. geog. ob-va* 84 no. 6:511-515 N-D '62.

GEOPHYSICAL RESEARCH

see subdivision under Far East

GEOPHYSICS—ABSTRACTS

[Geophysics] *Ref. zhur.: Geofiz.* no. 2 F '63.

GEORGIA—CHURCH HISTORY

The church army of feudal Georgia [in Georgian with summary in Russian]. A. E. Klimashvili. *Izv. Inst. ruk. AN Gruz. SSR* 3:98-112 '61.

GEORGIA—CITRUS FRUITS—DISEASES AND PESTS

Some problems of the mechanization of pest control in citrus orchards [with summary in English]. M. G. Abkhazava. *Subtrop. kul't.* no. 1:58-62 '62.

GEORGIA—COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Kommunisticheskaya partiya Gruzii. Tsentral'nyi komitet. [Report of the Central Committee of the Communist Party of Georgia to the 20th Congress of the Communist Party of Georgia, delivered by V. P. Mzhavanadze, January 25, 1960. Resolution of the 20th Congress of the Communist Party of Georgia] *Otchetnyi doklad Tsentral'nogo komiteta KP Gruzii XX s'ezdu Kompartii Gruzii; doklad V. P. Mzhavanadze, 25 yanvaria 1960 goda, Resolutsiya XX s'ezda Kompartii Gruzii*. . . Tbilisi, Izd-vo TsK KP Gruzii, 1960. 86 p. (NNC)

GEORGIA—COOPERATIVE SOCIETIES

There should be more responsibility. T. Bolidze and others. *Sov. potrebn. koop.* 6 no. 12:10-21 D '62.

GEORGIA—DEPARTMENT STORES

Department store for southern regions. T. Potekhiashvili, A. Sharoin. *Sov. torg.* 36 no. 11:59-60 N '62.

GEORGIA—DOLOMITE

Dolomites in Lower Cretaceous sediments of western Georgia and conditions governing their formation. I. A. Konukhov, A. A. Trokhova. *Izv. vys. ucheb. zav.; geol. i razv.* 5 no. 9:49-63 S '62.

GEORGIA—EARTHQUAKES

Determination of the dynamic parameters of a focus and their geological interpretation for some earthquakes in western Georgia [in Georgian with summary in Russian]. O. M. Maisuradze. *Trudy Inst. geofiz. AN Gruz. SSR* 20:101-112 '62.

GEORGIA—EROSION

Characteristics of basins and alluvial fans of eroding mountain streams. L. A. Sulakvelidze. *Trudy Gruz NIIGIM* no. 21:161-170 '60.

Features of the hills, forests, and Alpine meadows of the upper Darudzi River and their importance in controlling the water regime. G. I. Kharaishvili. *Trudy Gruz NIIGIM* no. 21:247-254 '60.

GEORGIA—GIANT REED

Giant reed (*Arundo donax*) as raw material for the paper industry [with summary in English]. N. V. Kovalenko. *Subtrop. kul't.* no. 1:89-94 '62.

GEORGIA—GRADING (EARTHWORK)

Grading the complicated microrelief of Georgia. S. M. Skhirtladze, G. F. Kvashali. *Trudy Gruz NIIGIM* no. 21:121-132 '60.

GEORGIA—GRAPES—DISEASES AND PESTS

A new species of grape mites. G. I. Dekanoidze. *Zashch. rast. ot vred. i bol.* 2 no. 6:56-57 N-D '57.

GEORGIA—HISTORY

The Iberian Kingdom from 1768 to 1784 [in Georgian with summary in Russian]. Sh. V. Burdzhadze. *Izv. Inst. ruk. AN Gruz. SSR* 3:113-140 '61.
Unrevealed letters of Dmitrii Kiplani and Grigori Orbellani [in Georgian with summary in Russian]. E. M. Abramishvili. *Izv. Inst. ruk. AN Gruz. SSR* 3:155-163 '61.

GEORGIA—HYDRAULIC ENGINEERING

Georgian Scientific Research Institute of Hydraulic Engineering and Reclamation on the 40th anniversary of the establishment of Soviet rule in Georgia and the formation of the Georgian Communist Party. M. S. Gagoshidze. *Trudy Gruz NIIGIM* no. 21:V-VLII '60.
Summary of the results of the research work of the Georgian Scientific Research Institute of Hydraulic Engineering and Reclamation in 1959 and 1960. M. S. Gagoshidze. *Trudy Gruz NIIGIM* no. 21:3-20 '60.

GEORGIA—HYDROCARBONS

Hydrocarbons of disseminated bitumens in Lower Cretaceous carbonate rocks of western Georgia. A. N. Guseva, A. A. Trokova. *Izv. vys. ucheb. zav.; nef'* 1 gaz 5 no. 4:15-17 '62.

GEORGIA—HYDROELECTRIC POWER STATIONS

Hydroelectric power in Georgia is on the increase. G. I. Chogovadze. *Gidr. stroit.* 33 no. 12:1-3 D '62.

GEORGIA—IRRIGATION

Methodology of inter-zoning an area according to irrigation needs (as exemplified in eastern Georgia). I. A. Chkhenteli. *Trudy Gruz NIIGIM* no. 21:21-26 '60.

GEORGIA—IRRIGATION CANALS AND FLUMES

Establishing the factors to be considered in a temporary network under the conditions of the steep slopes in the irrigated regions of the eastern Georgia. E. N. Adamova. *Trudy Gruz NIIGIM* no. 21:133-144 '60.

GEORGIA—PAPER INDUSTRY

Glenn reed (*Arundo donax*) as raw material for the paper industry [with summary in English]. N. V. Kovalenko. *Subtrop. kul't.* no. 1:80-84 '62.

GEORGIA—PHYSICAL GEOGRAPHY

Practice of phytogeographic regionalization of the Adzhar-Imeret Range and adjacent regions. Kh. G. Dzhalet. *Uch. zap. AGU, Geol.-geog. ser.* no. 1:63-69 '62.

GEORGIA—PIPE MILLS

Steel bands. I. A. Ashin. *NTO* 4 no. 12:31-33 D '62.

GEORGIA—PLANTS—PROTECTION OF—CONGRESSES

Out-of-town conference on plant protection. B. G. Argun. *Zashch. rast. ot vred. i bol.* 5 no. 10:82 O '60.

GEORGIA—PROSPECTING—GEOPHYSICAL METHODS

Application of geophysical prospecting methods in iron deposits and iron-ore areas in Georgia [in Georgian with summary in Russian]. G. Tabagua. *Trudy Inst. geofiz. AN Gruz. SSR* 20:157-168 '62.

Some problems in the interpretation of geophysical data of the Paladuri iron ore deposit [in Georgian with summary in Russian]. Sh. M. Chkhenteli, V. S. Matsaberidze, G. G. Tabagua. *Trudy Inst. geofiz. AN Gruz. SSR* 20:145-158 '62.

GEORGIA—RECLAMATION OF LAND

Georgian Scientific Research Institute of Hydraulic Engineering and Reclamation on the 40th anniversary of the establishment of Soviet rule in Georgia and the formation of the Georgian Communist Party. M. S. Gagoshidze. *Trudy Gruz NIIGIM* no. 21:V-VLII '60.
Summary of the results of the research work of the Georgian Scientific Research Institute of Hydraulic Engineering and Reclamation in 1959 and 1960. M. S. Gagoshidze. *Trudy Gruz NIIGIM* no. 21:3-20 '60.

GEORGIA—RED SPIDER

A new species of grape mites. G. I. Dekanidze. *Zashch. rast. ot vred. i bol.* 2 no. 6:56-57 N-D '67.

GEORGIA—ROCKS—ELASTIC PROPERTIES

Studying the elastic properties of rocks [in Georgian with summary in Russian]. G. I. Murusidze, O. V. Lurmanashvili. *Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:73-85 '62.

GEORGIA—SERPENTINITES

Problem of the complete treatment of Tselisak serpentinites. V. N. Gaprindashvili, D. N. Kiladze, M. K. Kurdevanidze. *Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:73-85 '62.

GEORGIA—SHORE PROTECTION

Study of the operation of new designs of structures for protecting banks. A. F. Birkaja. *Trudy Gruz NIIGIM* no. 21:40-50 '60.

GEORGIA—SPRINKLER IRRIGATION

Static control of the head in a self-pressuring sprinkler system. I. D. Gvaramadze. *Trudy Gruz NIIGIM* no. 21:267-270 '60.

GEORGIA—SPRINKLERS—TESTING

Departmental testing of the DDA-58 long-stream sprinkler. D. M. Karvalishvili. *Trudy Gruz NIIGIM* no. 21:140-152 '60.

GEORGIA—STERCULIA

Sterculia, a new medicinal plant of the Soviet subtropics [with summary in English]. A. N. Fogul'. *Subtrop. kul't.* no. 1:95-98 '62.

GEORGIA—TECHNICAL EDUCATION

[Vocational and technical education in the Georgian S. S. R.] Professional'no-tekhnicheskoe obrazovanie v Gruzinskoj SSR. [n. p.] Proftekhizdat, 1961. 1 v (chiefly illus.) [Parallel texts in Georgian and Russian]

GEORGIA—VOCATIONAL EDUCATION

[Vocational and technical education in the Georgian S. S. R.] Professional'no-tekhnicheskoe obrazovanie v Gruzinskoj SSR. [n. p.] Proftekhizdat, 1961. 1 v (chiefly illus.) [Parallel texts in Georgian and Russian]

GEORGIA—WALNUT

Walnut Juglans cordiformis Maxim. [with summary in English]. G. I. Kanevelli. *Subtrop. kul't.* no. 1:103-105 '62.

GEORGIA—WATER, UNDERGROUND—RADIOACTIVE PROPERTIES

Genesis of the radioactivity of water in the Alazan Depression [in Georgian with summary in Russian]. Sh. M. Chkhenteli, G. K. Meladze. *Trudy Inst. geofiz. AN Gruz. SSR* 20:245-249 '62.

GEORGIA—WINE AND WINE MAKING

Over-all mechanized lines for the processing of grapes. S. F. Bellae. *Mekh. i avtom. proizv.* 16 no. 12:23-25 D '62.

GEORGIA—ZELKOVA

Mandzhavidze, D. V. [Caucasian Zelkova. *Kavkazskaja dzhelkva*. Tbilisi, Izd-vo AN Gruz. SSR] 1962. 78 p. [In Georgian with summary in Russian] (DNAL)

GEORGIAN LANGUAGE—DICTIONARIES

Method of interpreting words in the dictionary of Sukhan-Saba Orbellani [in Georgian with summary in Russian]. T. S. I. Kurtsidze. *Izv. Inst. ruk. AN Gruz. SSR* 3:7-14 '61.

GEORGIAN LANGUAGE—SYNONYMS

Synonyms of the Old Georgian language [in Georgian with summary in Russian]. V. V. Kikvidze. *Izv. Inst. ruk. AN Gruz. SSR* 3:15-18 '61.

GEORGIAN MANUSCRIPTS see Manuscripts, Georgian

GEORGIAN NAMES see Names, Georgian

GERBILS see subdivision under Gobi-Alai District

GERIATRICS

"Principles of gerontology" [translated from the French] by Leon Binet and Fr. Bourliere. Reviewed by R. G. Dosheva. *Zdrav. Kazakh.* 22 no. 7:79-80 '62.

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

GERMAN LANGUAGE—LEXICOGRAPHY

Stepanova, M. D., and I. I. Chernysheva. [Lexicology of modern German] *Leksikologiya sovremennoy nemetskogo yazyka*. [Moskva] Gos. izd-vo "Vysshaya shkola," 1962. 308 p.

GERMAN LANGUAGE—TEXTBOOKS FOR ENGINEERS

Lipovskaya, N. A. [Teach yourself German] *Samouchitel' nemetskogo yazyka*. Moskva, Izd-vo lit-ry na inostr. yazykakh, 1961. 525 p. (CLU)

GERMAN PAINTINGS see Paintings, German

GERMAN REUNIFICATION QUESTION (1949-)

"Germany between two worlds" [in English] by Gerald Freund. Reviewed by I. U. Emel'ianov. *Mezhdunar. zhizn'* 10 no. 2:137-140 F '63.

GERMANE

Organolithium synthesis of germanium hydrocarbon compounds from dimethyldichlorogermane. Certain reactions with a possible intermediate formation of $(CH_3)_2Ge$. O. M. Nefedov, M. N. Manakov, A. D. Petrov. *Dokl. AN SSSR* 147 no. 6:1376-1379 D '62.

GERMANIC PHILOLOGY

L'vov, Universitet. [Problems of Romance and Germanic philology] *Pytannya romano-germans'koi filologii*. [Lvov] Vyd-vo L'viv's'koho univ., 1961. 164 p. (MH)

GERMANIUM

Adsorption of germanium from solutions as dependent on the quantity of adsorbents. D. I. Eydokimov, A. P. Kostuk. *Zhur. fiz. khim.* 36 no. 12:2741-2742 D '62.

Cross section for hole trapping by singly-charged gold ions in germanium. E. V. Burlek, S. A. Kaufman, K. M. Kulikov. *Fiz. tver. tela* 5 no. 1:345-347 Ja '63.

Drift dispersion of the photoelectric effect in doped germanium. I. A. Okman, M. N. Kiseleva, B. M. Martynov. *Fiz. tver. tela* 5 no. 1:220-223 Ja '63.

Negative photoconductivity of germanium in a magnetic field. E. A. Zavadskii, I. U. T. Kovrizhnykh, I. G. Fakhov. *Fiz. tver. tela* 5 no. 1:194-200 Ja '63.

Recombination properties of nickel in germanium. P. G. Eliseev, S. G. Kalashnikov. *Fiz. tver. tela* 5 no. 1:320-326 Ja '63.

Simplification of the self-consistent field method for the valence state of the Ge atom. A. D. Gurchumelia. *Izv. vys. ucheb. zav.; fiz.* no. 6:11-15 '62.

GERMANIUM CRYSTALS

Attachment to the standard X-ray camera of the RKSO type for revealing structural defects of germanium. *Zav. lab.* 28 no. 12:1526 '62.

Fractographic study of germanium single crystals. V. N. Maslov, E. B. Sokolov, L. V. Nabatova. *Kristallografiya* 7 no. 3:477-479 My-Je '62.

Lifetime of electrons and holes in heavily doped germanium. I. V. Karpova, S. G. Kalashnikov. *Fiz. tver. tela* 5 no. 1:301-307 Ja '63.

Nonsteady-state photomagnetic effect in germanium single crystals. V. A. Gridin, I. K. Kikoin. *Zhur. eksp. i teor. fiz.* 43 no. 6:2315-2317 D '62.

Production and properties of germanium dendritic crystals. A. V. Stepanov, S. V. Tsvinskii. *Fiz. tver. tela* 5 no. 1:81-90 Ja '63.

GERMANIUM CRYSTALS—DEFECTS

Effect of the nonparabolic character of bands on hole mobility in germanium and silicon. K. I. A. Shivel'man. *Fiz. tver. tela* 5 no. 1:350-352 Ja '63.

Effective mass of holes in silicon and germanium. K. I. A. Shivel'man. *Fiz. tver. tela* 5 no. 1:348-350 Ja '63.

GERMANIUM CRYSTALS—ELECTRIC PROPERTIES

Structure and some electric characteristics of germanium dendrites. V. M. Vasilevskaya, E. G. Misiuk, N. N. Fortunatova. *Fiz. tver. tela* 5 no. 1:52-60 Ja '63.

GERMANIUM ORGANIC COMPOUNDS

Conjugation effect in organogermanium compounds. V. F. Mironov, N. G. Dzhurinskaya. *Izv. AN SSSR, Otd. khim. nauk* no. 1:75-82 '63.

Organolithium synthesis of germanium hydrocarbon compounds from dimethyldichlorogermane. Certain reactions with a possible intermediate formation of $(CH_3)_2Ge$. O. M. Nefedov, M. N. Manakov, A. D. Petrov. *Dokl. AN SSSR* 147 no. 6:1376-1379 D '62.

GERMANY—BOUNDARIES—POLAND

Letter from Poland. Wladimierz Jan Sandeck. *Vsem. stud. nov.* 16 no. 1:1 Ja '62.

GERMANY—ECONOMIC POLICY

Full text of N. S. Khrushchev's speech at the 6th Congress of the Socialist Unity Party of Germany, Berlin, January 16, 1963. *Nov. vrem.* 20 no. 4:31-48 Ja '63.

GERMANY—EDUCATION

Two states and two schools. S. Rukhovich, Z. Shneken-dorf. *Nar. obr.* no. 1:86-86 Ja '63.

GERMANY—FOREIGN RELATIONS—FRANCE

First to Munich, then to war; history of French-German relations, 1933 to 1938. I. U. Borisov. *Mezhdunar. zhizn'* 10 no. 2:88-84 F '63.

GERMANY—FOREIGN RELATIONS—SWEDEN

"Neutrality or an alliance? German-Swedish relations in the early phase of the First World War" [in German] by W. M. Carlgren. Reviewed by A. S. Kan. *Vop. ist.* 38 no. 1:160-163 Ja '63.

GERMANY—HISTORY

"How German antifascists struggled against the Hitlerite dictatorship, 1933-1945" by L. I. Gintsherg, I. A. S. Drabkin. Reviewed by I. S. Kremer. *Vop. ist.* 38 no. 1:141-142 Ja '63.

"The Russian Army and the German people in the first months of 1913" [in German] by F. Straube. Reviewed by A. I. A. Shel'skii. *Vop. ist.* 38 no. 1:170-171 Ja '63.

GERMANY—PEACE TREATIES

The peace treaty and European security. D. Efimov. *Mezhdunar. zhizn'* 10 no. 3:3-11 Mr '63.

Youth demands a solution of the German problem. Shun Nishidzava. *Mol. mira* no. 11/12:6 '61.

GERMANY—POLITICS AND GOVERNMENT

A program of wide prospect. *Sovremennik.* Nov. vrem. 20 no. 3:10-11 Ja '63.

GERMANY—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

"How German antifascists struggled against the Hitlerite dictatorship, 1933-1945" by L. I. Gintsherg, I. A. S. Drabkin. Reviewed by I. S. Kremer. *Vop. ist.* 38 no. 1:141-142 Ja '63.

GERMANY, EAST—APARTMENT HOUSES

Large-panel construction in the German Democratic Republic. W. Andersek. *Zhil. stroit.* no. 12:28-30 '62.

GERMANY, EAST—ARITHMETIC—STUDY AND TEACHING

Forming a concept of numerals. K. B. Korotskaya. *Doeshk. vosp.* 35 no. 9:115-119 S '62.

GERMANY, EAST—BIBLIOGRAPHY

[New literature on the German Democratic Republic]
Nov. lit. po Ger. Dem. Resp. nos. 5/6-7 '62.

GERMANY, EAST—COMMUNIST PARTY

At the decisive boundaries. Nov. vrem. 20 no. 2:14 Jn '63.

A program of wide prospect. Sovremennik. Nov. vrem. 20 no. 3:10-11 Ja '63.

GERMANY, EAST—COMMUNIST PARTY—CONGRESSES

Under the banner of Marxism-Leninism. Z. Demysheva. Part. zhizn' no. 4:66-72 F '63.

GERMANY, EAST—ECONOMIC CONDITIONS

Stolpovskii, B. G. [The German Democratic Republic is building socialism] GDR stroit sotsializm. Moskva, Gospolitizdat, 1962. 93 p.

GERMANY, EAST—ECONOMIC POLICY

Under the banner of Marxism-Leninism. Z. Demysheva. Part. zhizn' no. 4:66-72 F '63.

GERMANY, EAST—FOREIGN ECONOMIC RELATIONS—CUBA

Why Count von Sprei left Havana. Kurt Wedekind. Nov. vrem. 20 no. 5:21 F '63.

GERMANY, EAST—FOREST MANAGEMENT

Problems in forest management in the German Democratic Republic; brief review. S. I. Olenin. Vest. sel'khoz. nauk [Kazakh.] 5 no. 11:89-97 O '62.

GERMANY, EAST—INDUSTRIAL EQUIPMENT

Types of equipment represented at the Leipzig Fair. A. P. Larin. Ogneupory 27 no. 12:574 '62.

GERMANY, EAST—LABOR DISPUTES

Procedure in the examination of labor disputes. Jan Jónczyk. Sov. gos. i pravo 33 no. 2:124-127 F '63.

GERMANY, EAST—MORAL EDUCATION

Let's hate evil. T. Auerbach. Sem'ia i shkola 17 no. 11:31 N '62.

GERMANY, EAST—MOTION PICTURES

On the sunny side; a motion picture for and about youth. Zhen. mira no. 5:8-9 '62.

GERMANY, EAST—PRECAST CONCRETE CONSTRUCTION

Large-panel construction in the German Democratic Republic. W. Anderssek. Zhil. stroi. no. 12:28-30 '62.

GERMANY, EAST—PUBLIC HEALTH ADMINISTRATION

Comrade Mal'tseva and Genossin Lieberman. Sov. deput. trud. no. 9:104-109 S '62.

GERMANY, EAST—RELATIONS (GENERAL) WITH RUSSIA

From Berlin to Karl Marx Stadt. Evgenia Kulpovich. Nov. vrem. 20 no. 4:23-25 Ja '63.

GERMANY, EAST—SHIPBUILDING

Shipbuilding industry of the German Democratic Republic. Sudostroenie 28 no. 10:62-64 O '62.

GERMANY, EAST—WOODWORKING MACHINERY

The ADE automatic two-side trimmer. G. Werner. Der. prom. 11 no. 12:30 D '62.

GERMANY, EAST—YOUTH—SOCIETIES, ETC.

The Union of Free German Youth. Mol. mira no. 11/12: 21-22 '61.

GERMANY, WEST—ARMY—UNIFORMS

Glasses for chickens and uniforms for the Bundeswehr. IU. Pospelov. Nov. vrem. 20 no. 7:23 F '63.

GERMANY, WEST—BOILERS

Present state of the boiler industry in the German Federal Republic. Teploenergetika 10 no. 1:89-92 Ja '63.

GERMANY, WEST—COAL MINING MACHINERY

Results of tests in mines of the drive of a plow made by the "Westphalia-Lünen" Company. A. V. Tekhnicheskii, L. N. Kashanov. Mekh. i avtom. y gornoi prom. no. 2:262-267 '62.

GERMANY, WEST—CRIMINAL LAW

A reactionary criminal code. R. Kaulfersch. Sov. iust. no. 21:27-28 N '62.

GERMANY, WEST—ECONOMIC POLICY

Historic mission of the German Democratic Republic. Nov. vrem. 20 no. 4:3 Ja '63.

Shevlyakov, F. N. [Ideologists of West-German imperialism; neoliberalism and its reactionary essence] Ideologi zapadnogermandskogo imperalizma; neoliberalizm i ego reaktsionnaya sushchnost'. Moskva, Sotsekgiz, 1962. 173 p.

GERMANY, WEST—EDUCATION, HIGHER

Facts and figures. Vest. vys. shkoly 20 no. 12:73 D '62.

GERMANY, WEST—ESPIONAGE

Rakhmanov, M. I., and A. M. Alekhin. [German Federal Republic is a nest of imperialist espionage] FRG - gnezdo imperialisticheskogo shpionazha. Moskva, Sotsekgiz, 1962. 189 p.

GERMANY, WEST—FASCISM

Whistles in Munich and what's behind them. Rolf Seeliger. Vsem. stud. nov. 16 no. 1:2 Ja '62.

GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—FRANCE

Vetlanin, V. A. [France and West Germany in the "Common Market."] Frantsia i Zapadnaya Germaniya v obshchem rynke. Moskva, Izd-vo IMO, 206 p.

GERMANY, WEST—FOREIGN RELATIONS

The peace treaty and European security. D. Efimov. Mezhdunar. zhizn' 10 no. 3:3-11 Mr '63.

The Sixth Congress of the West German Trade Unions is against the policy of the Atlantic alliance. Fritz Rozel. Vsem. prof. dvizh. no. 12:4-8 D '62.

GERMANY, WEST—FOREIGN RELATIONS—CUBA

Why Count von Sprei left Havana. Kurt Wedekind. Nov. vrem. 20 no. 5:21 F '63.

GERMANY, WEST—FOREIGN RELATIONS—FRANCE

An aggressive treaty. Mezhdunar. zhizn' 10 no. 3:158-159 Mr '63.

Background of the Paris-Bonn treaty. N. Molchanov. Nov. vrem. 20 no. 5:10-12 F '63.

The Bonn-Paris axis is a plot against peace; a discussion. Mezhdunar. zhizn' 10 no. 3:65-76 Mr '63.

A dangerous compact. Nov. vrem. 20 no. 7:1-2 F '63.

Soviet notes on the Paris-Bonn treaty; texts. Nov. vrem. 20 no. 7:39-47 F '63.

GERMANY, WEST—FOREIGN RELATIONS—GERMANY, EAST

Bonn "doctrines" and international law. G. Kröger. Mezhdunar. zhizn' 10 no. 2:36-42 F '63.

GERMANY, WEST—FOREIGN RELATIONS—RUSSIA

Soviet notes on the Paris-Bonn treaty; texts. Nov. vrem. 20 no. 7:39-47 F '63.

GERMANY, WEST—FOREIGN RELATIONS—UNITED STATES

"Germany between two worlds" [in English] by Gerald Freund. Reviewed by IU. Emel'yanov. Mezhdunar. zhizn' 10 no. 2:137-140 F '63.

GERMANY, WEST—INSURANCE, SOCIAL

Social insurance in West Germany. A. Zhdanov. Sots. obsp. 23 no. 9:61-63 S '62.

GERMANY, WEST—MILITARISM

Continuation of the battle on the Volga. Lev Bezmyan'skii. Nov. vrem. 20 no. 7:6-8 F '63.

Parragi, György. [Fascism in evening dress and in military uniform. Translated from the Hungarian] Fashtizm vo frake i mundiro. Predisl. N. Polianova. Moskva, Voenizdat, 1962. 179 p.

GERMANY, WEST—MOTOR VEHICLES

Volkswagen cars. N. A. Klement'ev. Avt. prom. 29 no. 1:42-44 Ja '63.

GERMANY, WEST—PROPAGANDA, ANTICOMMUNIST

Gentlemen provocateurs. E. Koshunov. Az. i Afr. seg. no. 1:57-58 Ja '63.

GERMANY, WEST—STATISTICS

"Achievements in figures; reconstruction work results in the Federal Republic" [in German]. Reviewed by A. Veisman. Vest. stat. no. 12:67-72 '62.

GERMANY, WEST—THEATER

What sex are the angels? Nov. vrem. 20 no. 4:26-27 Ja '63.

Whistles in Munich and what's behind them. Rolf Seeliger. Vsem. stud. nov. 16 no. 1:2 Ja '62.

GERMANY, WEST—TRADE UNIONS—CONGRESSES

The Sixth Congress of the West German Trade Unions is against the policy of the Atlantic alliance. Fritz Rozel. Vsem. prof. dvizh. no. 12:4-8 D '62.

GERMANY, WEST—TRIALS (MURDER)

A witness for the prosecution. F. Davydov. Sov. iust. no. 1:23-24 Ja '63.

GERMANY, WEST—TRIALS (POLITICAL CRIMES AND OFFENSES)

News from everywhere. Zhen. mira no. 4:4 '62.

The "Spiegel" affair. I. Davydov. Sov. pech. no. 12: 55-57 D '62.

GERMANY, WEST—WAR CRIME TRIALS

They call it "justice" in Bonn. L. Malokotin. Sov. iust. no. 24:28 D '62.

Those who protect murderers. Lev. Ginzburg. Nov. vrem. 20 no. 6:13-14 F '63.

GERMICIDES see Disinfection and disinfectants

GERMICIDES see Fungicides

GERMINATION

Biology of the germination of Siberian mallow seeds. I. N. Rastochenko. Vest. sel'khoz. nauk [Kazakh.] 6 no. 12:45-55 D '62.

Effect of treating Siberian larch seeds before sowing on their germination when sown without transplantation in the Trans-Ili Ala-Tau. G. Kh. Bukhel'danov. Vest. sel'khoz. nauk [Kazakh.] 6 no. 3:45-54 Mr '62.

Improving the seed germination of gum-bearing Astragalus. M. A. Mikhailov. Agrobiologia no. 6:935 N-D '62.

GERONTOLOGY see Old age

GERSHUN, ANDREI ALEKSANDROVICH

Andrei Aleksandrovich Gershun. A. A. Vol'konshtein and others. Svetotekhnika 0 no. 12:1-3 D '62.

GHANA—DESCRIPTION AND TRAVEL

Ghana without exotics. Igor' Mozhefko. Vokrug sveta no. 12:17-20 D '62.

GHANA—MARKETS

The market women in Ghana. H. Edwards. Zhen. mira no. 10:11-14 '62.

GHANA—POLITICS AND GOVERNMENT

Infamy of the imperialists. Nov. vrem. 20 no. 3:2-3 Ja '63.

GHANA—WOMEN

The market women in Ghana. H. Edwards. Zhen. mira no. 10:11-14 '62.

GIANT REED see subdivision under Georgia

GIARDIASIS

Sausurea extract as an antilambiasis drug [with summary in English]. A. S. Sviratikov, V. E. Fedotova. Apr. delo 12 no. 3:26-28 My-Je '62.

GIBBERELLIC ACID

Colorimetric determination of gibberellic acid in the culture fluid of Fusarium moniliforme [with summary in English]. G. S. Muron'tsev, M. N. Nostuk. Izv. AN SSSR. Ser. biol. no. 6:825-831 N-D '62.

Effect of gibberellic acid on the growth and development of some farm crops. G. V. Smirnov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:81-85 '62.

Effect of gibberellic acid on the increase of the size of grape berries. A. I. Zhukov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:133-138 '62.

Effect of gibberellin on auxin metabolism in plants. V. V. Faustov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:213-217 '62.

GINKGO see subdivision under Transcaucasia

GIRDERS see Beams and girders

GISSAR RANGE—GEOLOGY, STRATIGRAPHIC

Correlation of Upper Jurassic and Lower Cretaceous sediments of the Kelti Uzboy and southwestern spurs of the Gissar Range. R. B. Aizberg. Trudy Inst. geol. AN Turk. SSR 3:144-147 '60.

GITTIS, VLADIMIR IUL'EVICH, 1890-1962

Vladimir Iul'evich Gittis; obituary. Avt. prom. 29 no. 1:30 Ja '63.

GLACIAL EPOCH

Boundary of the maximum expansion of the recent ice cap and some problems of the stratigraphy and paleogeography of the Upper Pleistocene in the northwestern area of the European part of the U.S.S.R. N. S. Chebotar'eva. Trudy Kom. chetv. per. 10:146-160 '62.

GLACIERS

(see also subdivision under Kodar Mountains)

Features of mountain glacier areas and problems in applied glaciology. G. K. Tushinskii. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 8:7-28 '62.

Geodetic basis of photostereoscopic surveying of valley glaciers. IU. F. Knizhnikov. Vest. Mosk. un. Ser. 5: Geog. 17 no. 6:70-72 N-D '62.

GLACIOLOGICAL RESEARCH

Meetings of the Task Group on Glaciology of the Scientific Committee for Antarctic Research. P. A. Shumskii. Vest. AN SSSR. 33 no. 1:88 Ja '63.

GLADIOLUS

Application of herbicides for weed control in gladiolus stands. N. M. Bogdanov, G. N. Prokof'eva, E. D. Sushilin. Biol. Glav. bot. sada no. 47:68-81 '62.

GLANDS, DUCTLESS see Endocrine glands

GLASS

Stevit, a new kind of building glass. V. Dubrovskii, Kh. Laroker, A. Apanasov. Stroi. i arkh. 10 no. 8: 34-35 Ag '62.

GLASS—ANALYSIS

Rapid method of analyzing the batch. L. M. Grita, V. S. Kadenko, V. N. Sobol'. Stek. i ker. 19 no. 12:24-25 D '62.

GLASS—TESTING

Checking the fritting of sheet glass. N. A. Zakhar'kov, V. P. Kononko. *Stek. i ker.* 10 no. 12:1-3 D '62.
Method of preparation of samples for measuring the microhardness of glasses. M. B. Epelbaum, I. U. E. Gorbunov. *Zav. lab.* 28 no. 12:1492-1494 '62.

GLASS, OPTICAL

Photosensitive glass. L. Laskin. *Nauka i zhizn'* 20 no. 11:93 N '62.

GLASS CONTAINERS

Calculate the volume of the turnover of goods correctly. I. Gorodishier. *Sov. torg.* 36 no. 12:50-52 D '62.
Search for a better solution. I. Golovaty. *Sov. torg.* 36 no. 12:40-50 D '62.
Turnover of goods with and without containers. I. Tsi-tovskii. *Sov. torg.* 36 no. 12:46-48 D '62.

GLASS FACTORIES see subdivision under Great Britain; Saratov; Ulan-Ude

GLASS FIBERS

Rudol, B. L. [New life for glass] *Novaya zhizn'* stokn, Moskva, Izd-vo "Znanie," 1963, 46 p. (Novoe v zhizni, nauka, tekhnika, IV Seriya: Tekhnika, no. 2)
Strength of glass-base textile after heat treatment [with summary in English]. B. P. Kishkin, I. G. Noskova. *Vest. Mosk. un. Ser. 1: Mat., mekh.* 18 no. 1:46-47 Ja-F '63.
Use of non-metallic reinforcement in mesh-reinforced concrete elements. K. V. Mikhailov. *Izv. ASIA* 4 no. 4:45-49 '62.

GLASS FURNACES

Design of feeders with gas heating. L. G. Gol'denberg. *Stek. i ker.* 19 no. 12:3-7 D '62.
Prolonging the life of regenerator checker brickwork. I. A. Lushin. *Stek. i ker.* 19 no. 12:22-23 D '62.

GLASS MANUFACTURE

From the pages of foreign magazines. *Stek. i ker.* 10 no. 12:36-38 D '62.

GLASS MANUFACTURE—ACCOUNTING see subdivision under Nikolayevsk

GLASS MANUFACTURE—CHEMISTRY

The effect of some oxides on the reduction of lead-silica types of glass in hydrogen. I. I. Kitaigorodskii, E. A. Fainberg, L. A. Grechanskii. *Stek. i ker.* 10 no. 12:8-10 D '62.
Study of the change in the content of alkalis during electric melting of light-bulb glass. M. G. Manvelian, S. M. Ter-Zakharian. *Stek. i ker.* 10 no. 12:13-15 D '62.

GLASS MANUFACTURE—COSTS

Hidden potentialities of production and reducing costs of sheet glass. L. Ligocheva. *Plan. khoz.* 40 no. 1:81-87 Ja '63.

GLASS PIPE see Pipe, Glass

GLASS REINFORCED PLASTICS

Mechanical properties of glass-reinforced plastics at room temperature. A. M. Zhukov, S. D. Vialukhina. *Inzh. zhur.* 2 no. 4:330-336 '62.
Shrinkage of glass plastics. V. M. Tendler. *Plast. massy* no. 11:30-32 '62.

GLASS REINFORCED PLASTICS—TESTING

Coefficient of the linear expansion of glass plastics. P. Z. Li and others. *Plast. massy* no. 11:36-40 '62.
Long-period strength of glass plastics under the action of a corrosive medium and temperature. A. A. Shevchenko, I. A. Klinov. *Plast. massy* no. 11:41-43 '62.
Use of a metal testing machine in investigating the cyclic strength of glass reinforced plastic plates. M. I. A. Galt'perin. *Zav. lab.* 28 no. 12:1510-1520 '62.

GLASS REINFORCED PLASTICS—THERMAL PROPERTIES

Determination of some thermal and physical properties of glass textile in the range of temperatures from 20° to 60°C. O. F. Shlenakii, M. P. Afinogenov. *Plast. massy* no. 11:53-57 '62.

GLASSWARE, ROMAN see subdivision under Dalester Valley

GLAUCOMA

Transitory myopia in conjunction with transitory glaucoma. E. A. Korol'. *Zdrav. Bol.* 8 no. 12:66-67 D '62.

GLAZES

Interaction of strontium glazes with faience bodies. I. U. G. Shteinberg. *Trudy GIKI* no. 1:46-59 '60.
Iron glazes for ceramics for facades. A. N. Freze. *Shor. nauch. trud. NII po stroi. ASIA* no. 1:87-90 '61.
Zirconium pigments for glazes. Z. A. Nosova, V. M. Vtikhina. *Stek. i ker.* 19 no. 12:18-22 D '62.

GLEBOV, PETR DMITRIYEVICH, 1892-

The seventieth birthday of Petr Dmitriyevich Glebov. *Gidr. stroi.* 33 no. 11:63 N '62.

GLEZOS, MANOLIS, 1921-

On duty again. A. Irindn. *Sov. pech.* no. 1:56-58 Ja '63.

GLIDERS (AERONAUTICS)

Glider with a removable engine. I. Shelest. *Kryl. rod.* 14 no. 1:24 Ja '63.

GLIKMAN, SERGEI ABRAMOVICH, 1892-

Scientific activity of Sergei Abramovich Glikman (on the 70th anniversary of his birth). L. A. Root, I. G. Shubtsova. *Koll. zhur.* 24 no. 6:755-756 N-D '62.

GLINKA, KONSTANTIN DMITRIYEVICH, 1897-1927

In memory of Konstantin Dmitriyevich Glinka. A. A. Zavalishin, V. A. Dolotov. *Pechovedenie* no. 9:117-120 S '62.

GLUCOSAMINE

Synthesis of N-(β -L-asparagile)-D-glucosamine, O-(β -methyl-N-(α -methyl- β -L-asparagile)-D-glucosamine and their derivatives. E. D. Kaverzyna, M. I. Kononova. *Izv. AN SSSR, Otd. khim. nauk* no. 1:124-128 '62.

GLUING

Gluing parts made of different materials. L. A. Mirkin. *Vest. mashinostr.* 42 no. 12:29-32 D '62.
Gluing the joints of a wooden chair in the electric field of high frequency currents. I. E. Muruev. *Der. prom.* 11 no. 12:23 D '62.

GLUING—TESTING

Rapid methods of testing glued joints. V. M. Khrulev. *Sudostroenie* 28 no. 10:40-44 O '62.

GLUKHOVTSY—KAOLIN

A variety of Glukhovtsy kaolin. L. N. Nikolina, T. I. Tarasova. *Trudy GIKI* no. 1:38-45 '60.

GLUTAMIC ACID

Aimukhamdova, G. B., and K. P. Zakharov. [Importance and methods of production of glutamic acid, betaine, and their derivatives] *Znacheniye i metody polucheniya glutaminovoi kisloty, betaina i ikh proizvodnykh.* Frunze, Izd-vo Akad. nauk Kirgizskoi SSSR, 1962, 138 p.
Monosodium glutamate is an all-purpose flavor intensifier. I. Ivanov. *Obshchestv. pit.* no. 11:30-32 N '62.

GLUTEN—ANALYSIS

Determining the total fat and lipoids content of gluten. K. N. Chikhova, I. E. Gusova, G. S. Grikova. *Khleb. i kond. prom.* 6 no. 12:3-5 D '62.

GLYCERIDES

Lipides. Part 14: Synthesis of some triglycerides from cocoa butter. G. G. Zapesochina, N. A. Preobrazhenskii. *Zhur. ob. khim.* 32 no. 12:3898-3901 D '62.
Lipides. Part 15: Synthesis of some triglycerides from cocoa butter. G. G. Zapesochina and others. *Zhur. ob. khim.* 32 no. 12:3901-3906 D '62.
Lipides. Part 16: Synthesis of triglycerides, constituents of cocoa butter. G. G. Zapesochina and others. *Zhur. ob. khim.* 33 no. 12:3906-3909 D '62.
Lipides. Part 17: Synthesis of the glyceride composition of safflower oil. G. A. Serebrennikova and others. *Zhur. ob. khim.* 33 no. 1:60-62 '63.

GLYCEROL

Association nature of the concentration quenching of the luminescence of Na-fluorescein in aqueous and glycerol solutions. V. L. Levshin, L. V. Krotova. *Opt. i spekt.* 13 no. 6:809-818 '62.
Composition of glycerol water obtained in the reagent-free splitting of fats. M. V. Irodov. *Masl. zhur. prom.* 28 no. 12:21-24 D '62.
Method for determining the glycerol content of a cellophane film. I. F. Aleksandrovich, G. N. Kuritsina. *Khim. volok.* no. 6:57 '62.
Rhodamine 6G association in ethanol and glycerol solutions. E. G. Baranova. *Opt. i spekt.* 13 no. 6:801-808 '62.

GLYCINE

Ferroelectric properties of triglycinesulfate crystals irradiated with gamma quanta. V. A. Urin, I. M. Shvestrova, I. S. Zheludev. *Kristallografiya* 7 no. 3: 394-402 My-Je '62.

GLYCOGEN

Materials from a comparative study of the mechanism of the action of natural and synthetic estrogens [with summary in English]. S. N. Ushenko. *Trudy Ukr. nauch.-issl. inst. ekasper. endok.* 18:284-287 '61.
Regenerative processes in the myocardium following extreme fatigue. L. I. Muzykant, L. A. Barskaya. *Shor. trud. inst. khim. AMN SSSR* no. 1:14-33 '62.

GLYCOLS

Polyphosphites. Part 4: Reactions of dialkyl phosphoryl chlorides with glycols. A. N. Pudovik and others. *Zhur. ob. khim.* 33 no. 1:102-107 '63.

GLYCOLYSIS

Role of insulin in glycolytic processes in the brain tissue of depancreatized and healthy dogs [with summary in English]. P. M. Charnafa. *Trudy Ukr. nauch.-issl. inst. ekasper. endok.* 18:134-140 '61.

GLYCOSIDES

Colorimetric determination of total glycosides in Con-vallaria tincture [with summary in English]. O. K. Sivitskaya. *Apt. delo* 12 no. 3:38-41 My-Je '62.
Erycordin and deglucoerycordin, new cardioglycosides. I. F. Makarevich, M. I. A. Tropp, D. G. Kolesnikov. *Dokl. AN SSSR* 147 no. 4:849-852 D '62.

GO-KART RACING see Karting

GQA—ECONOMIC CONDITIONS

Characteristics of the GQA economy. G. V. Sdasiuk. *Vest. Mosk. un. Ser. 5: Geog.* 17 no. 4:64-65 Ji-Ag '62.

GQA—POLITICS AND GOVERNMENT

The end of colonialism in Goa. Vijaya Gupta. *Vsem. stud. nov.* 16 no. 5:6:10-11 My-Je '62.

GOATS—DISEASES AND PESTS see subdivision under Armenia

Gobi-Altai District—FIELD MICE

Mammals of the Gobi Altai. Report No. 1: Gerbils, hamsters, field mice [with summary in English]. I. U. D. Chugunov. *Zool. zhur.* 41 no. 11:1719-1730 N '62.

Gobi-Altai District—GERBILS

Mammals of the Gobi Altai. Report No. 1: Gerbils, hamsters, field mice [with summary in English]. I. U. D. Chugunov. *Zool. zhur.* 41 no. 11:1719-1730 N '62.

Gobi-Altai District—HAMSTERS

Mammals of the Gobi Altai. Report No. 1: Gerbils, hamsters, field mice [with summary in English]. I. U. D. Chugunov. *Zool. zhur.* 41 no. 11:1719-1730 N '62.

GOTTER

(see also subdivision under Karatal Valley, Kazakhstan)

Correlation of form and function in the thyroid gland altered by goiter [with summary in English]. B. V. Aleshin, N. G. Tsartkovskaya, L. A. Us. *Trudy Ukr. nauch.-issl. inst. ekasper. endok.* 18:7-31 '61.
Esophageal diverticulum developing in connection with a nodular goiter. V. M. Udod, I. F. Nabok. *Zdrav. Bel.* 8 no. 12:68-69 D '62.

GOL'BERT, KIRILL ALEKSEEVICH, 1913-1962

Kirill Alekseevich Gol'bert. *Neftkhimiya* 2 no. 5: 802-803 S-O '62.

GOLD

Effect of ultraviolet rays on the colloidal solutions of silver and gold. E. M. Nanobashvili, M. Sh. Simonidze, I. G. Bakhtadze. *Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:129-136 '62.
Infrared spectra of carbon monoxide adsorbed on gold and silver at low temperatures. N. N. Kavtaradze, N. P. Sokolova. *Zhur. fiz. khim.* 36 no. 12:2804-2805 D '62.

GOLD—ANALYSIS

Determination of impurities of gold by the radioactivation method. A. A. Lbov, I. I. Naumova. *Zav. lab.* 28 no. 12: 1476-1477 '62.

GOLD—THERMAL PROPERTIES

Thermodynamic temperatures of the equilibrium between solid and liquid zinc and between solid and liquid gold. N. V. Arefeva and others. *Trudy Inst. Kom. stand., mer i izm. prib.* no. 51:23-34 '61.

GOLD-COPPER ALLOYS see Copper-gold alloys

GOLD-INDIUM ALLOYS see Indium-gold alloys

GOLD-MANGANESE ALLOYS see Manganese-gold alloys

GOLD MINES AND MINING—HYGIENIC ASPECTS see subdivision under Amur Province

GOLDOVSKII, EYSEI MIKHAILOVICH, 1903-

Sixtieth birthday of E. M. Goldovskii. *Tekh. kino i telev.* 7 no. 1:80-81 Ja '63.

GOLDSMITHS see Metalworkers

GOLODNAYA STEPPE—BUILDING MATERIALS

A study of causes of the disintegration of building materials of structures erected on saline soils of the Golodnaya Steppe. R. F. Zabelina. *Shor. nauch. trud. NII po stroi. ASIA* no. 2:104-113 '61.

GOLODNAYA STEPPE—COTTON GROWING

The steppe recedes. R. Plungian. *Part. zhizn'* [Uzb.] 5 no. 11:80-82 N '62.

GOLODNAYA STEPPE—IRRIGATION

Process of secondary salinization and desalinization in soils of the "Pakhta-Aral" State Farm in connection with their irrigation. E. Dzhamalbekov. *Vest. sel'khoz. nauki [Kazakh.]* 5 no. 12:23-29 D '62.

GOLODNAYA STEPPE—SALINE AND ALKALI SOILS

Processes of secondary salinization and desalinization in soils of the "Pakhta-Aral" State Farm in connection with their irrigation. E. Dzhamalbekov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 12:23-29 D '62.

A study of causes of the disintegration of building materials of structures erected on saline soils of the Golodnaya Steppe. R. F. Zabelina. Sbor. nauch. trud. NI po stroit. ASLA no. 2:104-113 '61.

GOLODNAYA STEPPE—SOILS

Besedin, P. N., ed. [Soils of the Golodnaya Steppe; their agronomic characteristics] Pochvy Golodnoi Stepi; ikh agromolicheskaya kharakteristika. [By] S. P. Suchkov i dr. Tashkent, [Redaktsionno-izdatel'skii otdel UzASKhN] 1961, 173 p.

[MICROFILM]

GOLOVINSKII, NIKOLAI ALEKSEEVICH

Role of N. A. Golovinski in the development of Russian geomorphology. I. N. Aleksandrov. Izv. Vses. geog. ob-va 94 no. 6:511-515 N-D '62.

GOLUBINSKII, EVGENII EYVSGNEEVICH, 1834-1910

Academician Evgenii Eysgneevich Golubinski. Zhur. Mosk. Patr. no. 11:70-76 N '62.

GOLUBOV ZALIV REGION—GEOLOGY, STRUCTURAL

Structure of the volcanogenic complex of Limeny (Crimean Mountains). V. I. Lebedinski, A. I. Shalimov. Dokl. AN SSSR 147 no. 6:1429-1432 D '62.

GOLUNSKII, SERGEI ALEKSANDROVICH, 1895-1962

S. A. Golunskii; obituary. Sots. zhen. 39 no. 12:78 D '62.
S. A. Golunskii; obituary. Sov. gos. i pravo 33 no. 1:139 Ja '63.

GOMEL'—AUDITING AND INSPECTION

Decisions must be followed by work. V. Divnov. Part. zhizn' no. 3:48-50 F '63.

GOMEL'—WOMEN IN PUBLIC LIFE

For our people. I. Smirnova. Rab. isial. 38 no. 5:4-5 My '62.

GOMPHOCARPUS

Activity of preparations of the roots of the Caucasian Gomphocarpus in experimental dysentery. A. F. Lisina. Zdrav. Kazakh. 22 no. 7:60-62 '62.

GOOSEBERRIES—DISEASES AND PESTS

Protecting currants and gooseberries. E. E. Savzarg. Zashch. rast. ot vred. i bol. 5 no. 6:37-39 Je '60.

GORCHAKOV, ALEKSANDR MIKHAILOVICH, 1798-1883

Semenov, S. N. [A. M. Gorchakov, a Russian diplomat of the 18th century] A. M. Gorchakov - russkii diplomat XIX v. Moskva, Sotssetgiz, 1962, 113 p. (Vydatushchie- sta diplomaty)

GOREE ISLAND—DESCRIPTION AND TRAVEL

Goree Island. I. Zabelin. Vokrug sveta no. 12:33-36 D '62.

GORKI LENINSKIYE—FARM BUILDINGS

In Gorki Leninskiye. Sel. stroit. 15 no. 4:8-D Ap '60.

GORKI, MAKSIM, 1808-1838

Akademiya nauk SSSR. Institut mirovoi literatury. [A. M. Gorki in portraits, illustrations, documents, 1808-1938] A. M. Gorki v portretakh, illyustratsiyakh, dokumentakh, 1808-1938; posobie dlia uchiteloi srednei shkoly. Moskva, Uchpedgiz, 1962, 618 p.
Bursov, B. I. [M. Gorki's novel "Mother,"] Roman "M. Gorki" "Mat'." Moskva, Goslitizdat, 1962, 116 p. (Massovaya istoriko-literaturnaya biblioteka)
Gorki and his son Maksim, S. Luchanskii. Sem'ia i shkola 17 no. 12:20-22 D '62.
Kastorski, S. V. [Dramaturgy of M. Gorki; studies on the ideological and artistic aspects] Dramaturgiya M. Gorki; nabludeniya nad ideino-khudozhestvennoi spetsifikoi. Moskva, Izd-vo Akad. nauk SSSR, 1963, 169 p.

Some characteristics of the language and style of M. Gorki's early romantic stories. L. D. Kondrashchenko. Uch. zap. Rov. gos. ped. inst. 6:205-232 '61.

GORKIY—BRIDGE CONSTRUCTION

New bridges in Gorkiy. Transp. stroit. 12 no. 12:2 of cover D '62.

GORKIY—FOUNDING

Director... of a working place. I. Pronin, G. Gurnov. Komsem. zhizn' no. 22:5-7 N '62.

GORKIY—SHIPBUILDING—AUDITING AND INSPECTION

Examine the economy. N. Orfanov, IU. Ladilov. Part. zhizn' no. 4:30-35 F '63.

GORKIY—WAGES—AUTOMOBILE

Improve the organization of wages constantly. K. Mukhin. Sots. trud 7 no. 4:57-62 Ap '62.

GORKIY—PEDIATRICS

Experience in raising the qualifications of pediatricians under the conditions of a consolidated children's hospital. IU. D. Beliaev. Zdrav. Ros. Feder. 6 no. 12:22-23 D '62.

GORKIY PROVINCE—AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

New objectives, new requirements. N. Urusov. Za rul. 21 no. 1:9 Ja '63.

GORKIY PROVINCE—FOREST NURSERIES

Let's follow the example of Nadezhda Grigor'evna Zaglada. I. N. D'iashevich. Les. khoz. 15 no. 11:68-70 N '62.

GORKIY PROVINCE—GUIDEBOOKS

[Along the forest trail; travel routes through our province] Lesnoi tropoi; marshruty puteshestvii po nashel oblasti. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1961, 253 p.

GORKIY PROVINCE—MILITARY EDUCATION

Developing community participation. A. Kolobovnikov. Voen. znani. 39 no. 1:20 Ja '63.

GORKIY PROVINCE—MOSQUITOES

Types of bodies of water producing bloodsucking insects in Gorkiy Province [with summary in English]. D. D. Nefedov. Zool. zhur. 41 no. 11:1659-1669 N '62.

GORKIY PROVINCE—TECHNICIANS IN INDUSTRY

Awarding bonuses to workshop engineers and technicians. A. Chudin. Sots. trud 7 no. 4:66-68 Ap '62.

GORNAYA SHORIYA—SAND AND GRAVEL PLANTS

Extraction of gravel and grading of sand at the "Solonichki" quarry. N. A. Porokov, N. I. A. Ratgauz. Bluz. tekhn. inform. inst. "Proektgidromekh." no. 1:47-52 '62.

GORNOSTAYEVKA DISTRICT—SCYTHIAN ANTIQUITIES

A new late Scythian site in the Lower Dnieper Valley. N. G. Elagina. Krat. soob. Inst. arkheol. no. 89:74-78 '62.

GORODISHCHE REGION (PERM PROVINCE)—LUMBERING—ECONOMIC ASPECTS

Gorodishche Logging Camp is a profitable enterprise. A. S. Anisimov. Les. prom. 40 no. 12:9-10 D '62.

GORODKOV, BORIS NIKOLAEVICH, 1890-

Soils of polar deserts and B. N. Gorodkov's role in studying them. I. S. Mikhailov. Izv. Vses. geog. ob-va 94 no. 6:520-523 N-D '62.

GOVERNEUR, LIVIA

Livia Gouverneur, forever alive in the hearts of the Venezuelan people. Carmen Clemente Travieso. Zhen. mira no. 9:26-27 '62.

GOVERNMENT OWNERSHIP see subdivision under Africa; Asia

GOVERNORS (MACHINERY)

Analysis of the economy of automatically regulated fuel combustion in steam boilers. V. F. Syromiatnikov. Trudy TSNIIMF 8 no. 44:3-14 '62.
Pulse selection for an antipumping regulator of a marine gas turbine plant. S. B. Aksel'rod. Trudy TSNIIMF 8 no. 44:72-78 '62.
Structural diagrams of regulation systems fuel combustion in marine steam boilers. L. G. Sobolev. Trudy TSNIIMF 8 no. 44:15-27 '62.

GOVERNORS (MACHINERY)—TESTING

Modeling marine steam turbines for the investigation of full-scale control systems. M. I. A. Lekakh. Trudy TSNIIMF 8 no. 44:50-67 '62.

GOZHEV, A. D.

A. D. Gozhev's evaluation of Dokuchaev's theory. E. L. Faibusovich. Izv. Vses. geog. ob-va 94 no. 6:516-519 N-D '62.

GRACHEV, BORIS KONSTANTINOVICH, 1924-1962

Boris Konstantinovich Grachev; obituary. Spiri. prom. 28 no. 8:43 '62.

GRADERS (EARTHMOVING MACHINERY)

The D-505 self-propelled elevating grader. E. A. Kolenda. Stroit. i dor. mash. 7 no. 11:9-13 N '62.
Graders. Stroit. i dor. mash. 7 no. 11:35 N '62.

GRADING (EARTHWORK)

(see also subdivision under Georgia)

Using an automatic coordinate measuring instrument in the grading of areas. M. M. Gubin. Nauch. trudy LTA no. 94:115-121 '62.

GRADING AND MARKING (STUDENTS)

Let's improve the system of testing and marking the knowledge of students. S. F. Sukhoros'kii. Rad. shk. 41 no. 12:70-74 D '62.
Reviewing the tests of correspondence students. G. A. Dul'nev. Sred. spets. obr. 10 no. 1:20-23 Ja '63.
Testing and evaluating the knowledge, skills and habits of students. Khim. v shkole 17 no. 6:20-22 N-D '62.

GRAFTING

Changes in the heredity of tomatoes resulting from grafting on the tree tomato [with summaries in English, German, and French]. V. A. Vnuchkova. Vest. sel'khoz. nauki 7 no. 11:47-53 N '62.
Changes of characters obtained as a result of intervarietal grafting in Solanum melongena [translated from the French]. Maurice Strum. Agrobiologia no. 6: 848-853 N-D '62.
Effect of a root mentor on the acquisition of resistance to mildew in the seeded progeny of the European grape. D. D. Verderevskii, K. A. Voitovich, I. N. Naidenova. Agrobiologia no. 6:941-942 N-D '62.

Grafting birch outdoors. A. V. Koz'min. Vest. sel'khoz. nauki 7 no. 10:92-94 O '62.

New method for grafting plants of various species [translated from the Bulgarian]. Liubomir Kiril Minchev. Agrobiologia no. 6:938-939 N-D '62.

New method of interspecific hybridization of plants. Liubomir Kiril Minchev. Vest. sel'khoz. nauki 7 no. 10:141-142 O '62.

GRAFTING OF SKIN see Skin grafting

GRAIN

(see also subdivision under Bashkiriya; Caucasus, Northern; Orenburg Province; Rumania; Virgin Territory; Volga Valley)

Brief news. Muk. -elev. prom. 28 no. 10:3 of cover O '62.

Brief news. Muk. -elev. prom. 28 no. 12:27 D '62.
Follow-up to our materials. Muk. -elev. prom. 28 no. 12:27 D '62.

"Grain farming in the U. S. S. R." by T. A. Koval', Reviewed by M. I. Ilin. Ekon. sel'khoz. 34 no. 1:123-126 Ja '63.

Make new, greater advances in the production of grain! I. P. Volovchenko, V. G. Likhovoi, N. K. Otverchenko. Zemledelie 24 no. 12:3-5 D '62.

Raise to a new and higher level the technological information and economic investigations. V. Pyskin. Muk. -elev. prom. 28 no. 12:23-24 D '62.

Secure complete preservation of state grain supplies. Muk. -elev. prom. 28 no. 10:1-2 O '62.

GRAIN—ANALYSIS AND CHEMISTRY

Determination of protein in corn seeds by the bluret method [with summaries in English, German, and French]. N. F. Pokrovskaya. Vest. sel'khoz. nauki 7 no. 5:147-149 My '62.

GRAIN—DISEASES AND PESTS

(see also subdivision under Chechen-Ingush A. S. S. R.; Kazakhstan; Kustanay Province; Kuybyshev Province; Soviet Far East)

Basic measures against grain pests in the non-Chernozem zone. I. M. Boliav, Zashch. rast. ot vred. i bol. 5 no. 6:22-24 Je '60.

Duration of the development and causes of the destruction of the larvae of the Swedish fly in summer. I. F. Pavlov. Zashch. rast. ot vred. i bol. 5 no. 7:38-39 Ji '62.
"Grainary pests" by P. K. Chernishov. Reviewed by V. V. Smol'annikov, A. M. Pudovkin. Zashch. rast. ot vred. i bol. 5 no. 5:53 My '60.

Testing preparations against grainary pests. A. Khodzhaev. Zashch. rast. ot vred. i bol. 5 no. 7:29 Ji '60.

GRAIN—DISEASES AND PESTS—BIBLIOGRAPHY see Bibliography—Grain—Diseases and pests

GRAIN—DRYING

(see also subdivision under Bashkiriya; Miass)

Automatic control of dryer furnaces converted to liquid fuel. L. Gun. Muk. -elev. prom. 28 no. 12:14-15 Ja '63.

Remodeling the furnace of the ZSPZII-8 grain dryer. M. Skorovarov. Muk. -elev. prom. 28 no. 12:12-13 D '62.

The "TSel'nnaia" gas recirculating grain dryer. G. Zolinskii, L. Komysheva, A. Iukish. Muk. -elev. prom. 28 no. 12:11-12 D '62.

GRAIN—HARVESTING

Composition and physical and mechanical characteristics of small heaps of unthreshed and uncleaned grain harvested with combines. Siao Lin'-Kyua (Siao Lin'-Hua). Nauk. pratsi asp. UASHN no. 5:221-226 '60.

Continuous line methods for harvesting grain crops. I. N. Vlasov. Mekh. i elek. sots. sel'khoz. 20 no. 6:60-61 '62.

Studying the harvesting of headed grain by stages. Chzhan Sian-Min. Nauk. pratsi asp. UASHN no. 5:227-243 '60.

GRAIN—STORAGE

Efficient ventilation as an effective measure in protecting grain against mites. R. V. Pollakova. Zashch. rast. ot vred. i bol. 5 no. 7:20-21 Ji '60.

GRAIN—TRANSPORTATION

(see also subdivision under Great Britain)

Selecting optimal parameters of screw elevators operating in an open casing [in Armenian with summary in Russian]. V. A. Ambarisumian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9:10:21-27 '62.
Technological and economic indices of scraper car unloaders. I. Ia'emini, IU. Golandskaia. Muk. -elev. prom. 28 no. 12:21-22 D '62.

GRAIN, FOSSIL see subdivision under Cimmerian Bosphorus (Kingdom)

GRAIN ELEVATORS

(see also subdivision under Belebey District; Moldavia; Orenburg Province)

Device for remote control of elevator mechanisms. V. Polinovskii, E. Frolovich, Muk.-elev.prom. 28 no.10:5-6 O '62.

Possibilities of reducing the cost of construction and assembly work. S. Ivanov, Muk.-elev.prom. 28 no.12:20-21 D '62.

Using contactless semiconductor elements in the automation of elevators. A. Finkel', Muk.-elev.prom. 28 no.12:8-10 D '62.

GRAIN HANDLING

(see also subdivision under Omsk Province)

From the materials of our journal. Muk.-elev.prom. 28 no.10:p.3 of cover O '62.

Letters to the editor. Muk.-elev.prom. 28 no.10:31 O '62.

"Pneumatic conveying in grain-handling enterprises" by A. M. Dzladzio, Muk.-elev.prom. 28 no.12:20-28 D '62.

GRAIN-HANDLING MACHINERY

Exposition of the course "Equipment of grain storage and processing plants." L. O. Chernilov. Sred.spets. obr. 9 no.11:10-23 N '62.

Resolutions of the November Plenum of the Central Committee of the CPSU guarantee the acceleration of technological progress. Muk.-elev.prom. 28 no.12:1-2 D '62.

GRAIN MILLING

Improving the technological process of gradual reduction of wheat at pneumatic flour mills. A. Bratukhin. Muk.-elev.prom. 28 no.10:10-12 O '62.

Increasing the operating efficiency of hammer mills. G. Shub. Muk.-elev.prom. 28 no.12:18-20 D '62.

Practices in the preparation of rye flour. A. Suprunov, F. Grishko. Muk.-elev.prom. 28 no.10:13-15 O '62.

Scouring grain crops on rubber rollers. I. A. Zhieln, E. Grinberg. Muk.-elev.prom. 28 no.10:16-17 O '62.

GRAIN-MILLING MACHINERY—EXHIBITIONS

Milling equipment at the exhibition of the industrial production of Italian firms in Moscow in 1962. M. Tartakovskii. Muk.-elev.prom. 28 no.12:25-26 D '62.

GRAIN PRODUCTS see Cereal products

GRAIN TRADE

On the world grain market (from "Przegląd zbozowo-młynarski," nos. 1-2, 1962). M. Tartakovskii. Muk.-elev.prom. 28 no.10:32 O '62.

GRAMMAR, COMPARATIVE AND GENERAL

Opposition in the system of language (with summary in English). I. R. Zinder. Vest. LGU 17 no.20:121-124 '62.

GRANARIES—DISINFECTION

K-2 smoke pots for use in granaries. Z. V. Ivanova, V. A. Novikov. Zashch. rast. ot vred. i bol. 5 no.11:39-40 N '60.

Prepare storages to receive new crops. Z. V. Ivanova, M. S. Malinina. Zashch. rast. ot vred. i bol. 5 no.7:32-34 JI '60.

GRANARIES—VENTILATION

Reinforced concrete slabs are used for covering lower galleries and mechanical ventilation of grain in storages. I. Puta, I. Viruk. Muk.-elev.prom. 28 no.12:22-23 D '62.

GRANITE

(see also subdivision under Gul'shad region)

On the distribution of rare elements in the vertical section of a granite massif. V. V. Liakhovich. Dokl. AN SSSR 147 no.4:927-930 D '62.

GRANULAR MATERIALS

Effect of the granular composition of magnesite powders on the properties and service of open-hearth furnace bottoms. Stal' 22 no.12:1078-1081 D '62.

Ways of improving the granular composition of sinter. S. V. Bazilevich, B. L. Lazarev. Stal' 22 no.12:1061-1065 D '62.

GRAPE JUICE

(see also subdivision under Moldavia)

Effect of ultrasonic waves on the rate of tartar precipitation from grape juice. G. N. Gasluk, I. P. Dul'neva, V. G. Popovskii. Trudy MNIPP 1:76-82 '61.

Manufacture of grape juice without aging in tanks and ten-liter vessels. M. G. Gidalevich, V. L. Kol'chitskii. Trudy MNIPP 1:107-113 '61.

Selecting the automatic control system for grape juice pasteurization and refrigeration equipment. A. A. Erofeev. Trudy MNIPP 1:128-135 '61.

Speeding the crystallization of tartar in the treatment of grape juice with ultrasonic waves in tanks. G. N. Gasluk and others. Trudy MNIPP 1:83-87 '61.

Tartar crystallization during partial freezing of grape juice. V. G. Popovskii, M. G. Gidalevich, I. P. Dul'neva. Trudy MNIPP 1:89-98 '61.

Treatment of grapes with increased frequency currents. G. N. Gasluk, R. M. Matov. Trudy MNIPP 1:45-48 '61.

Use of stilbazole in the photocolometric determining of aluminum in wine and juices. E. V. Zolov, M. S. Shchelkunova. Trudy MNIPP 1:137-140 '61.

GRAPE JUICE—PRESERVATION

Use of sorbic acid in the preparation of semiprocessed grape juice. A. S. Zaslavskii, M. G. Gidalevich. Trudy MNIPP 1:115-116 '61.

GRAPE JUICE—STORAGE

Storage of semiprocessed grape juice in tanks under reduced pressure of carbon dioxide. A. S. Zaslavskii, M. G. Gidalevich. Trudy MNIPP 1:99-106 '61.

GRAPE JUICE—TRANSPORTATION

Processing of grapes on the procurement sites and juice transportation in tank trucks. L. E. Prokhorovich, I. S. Gluz. Trudy MNIPP 1:110-120 '61.

GRAPES

(see also subdivision under Armenia)

Anthocyanins of grape leaves [in Armenian with summary in Russian]. A. M. Samvelian. Izv. Glav. upr. sel'skhoz. nauk i podgot. kad. Arm. SSR 5 no.9/10:81-94 '62.

Biological characteristics of root formation in grapevine cuttings. B. S. Ermakov. Sbor. stud. nauch. issl. rab. TSKHA no.11:139-144 '62.

Characteristics of differentiation of fruit buds in grape vines [with summary in English]. A. F. Tutunuk. Izv. AN SSSR. Ser. biol. no.8:921-924 N-D '62.

Effect of gibberellin acid on the increase of the size of grape berries. A. I. Zhukov. Sbor. stud. nauch. issl. rab. TSKHA no.11:133-138 '62.

Some characteristics of metabolism in young and old grapevines. B. I. Biblina, E. N. Kirillova, L. F. Savchenko. Vop. fiziol. i biokhim. kul't. rast. no.1:90-96 '62.

GRAPES—DISEASE AND PEST RESISTANCE

Effect of a root mentor on the acquisition of resistance to mildew in the seeded progeny of the European grape. E. D. Vorderevskii, K. A. Volkovich, I. N. Naidenova. Agrobiologiya no.6:841-843 N-D '62.

GRAPES—DISEASES AND PESTS

(see also subdivision under France; Georgia; Maritime Territory)

Protecting grapes against pests and diseases; practices on the Lenin State Farm. N. T. Panych. Zashch. rast. ot vred. i bol. 4 no.5:9-12 S-O '59.

GRAPES—STORAGE see subdivision under Armenia

GRAPES—VARIETIES see subdivision under Azerbaijan

GRAPES—WATER REQUIREMENTS see subdivision under Kirghizistan

GRAPHIC ARTS

New acquisitions of the Section of Graphic Arts in the A. S. Pushkin State Museum of Fine Arts. O. V. Nikolina. Soob. GIMH [no.1]:75-78 '60.

GRAPHIC METHODS

Determining the least number of colors for the vertices of a graph by means of Boolean powers of the adjacency matrix. L. M. Vitver. Dokl. AN SSSR 147 no.4:758-759 D '62.

Making allowance for rules of selection for the scattering of particles with unequal masses in determining the domains of analyticity for contributions to diagrams [with summary in English]. I. I. Kostyrko. Ukr. fiz. zhur. 7 no.10:1046-1050 O '62.

Multiple dispersion relations [with summary in English]. I. A. Simonov. Zhur. eksp. i teor. fiz. 43 no.6:2263-2272 D '62.

GRAPHITE

Thermophysical and other characteristics of artificial graphite particles. V. A. Kalender'ian, R. A. Bakhtiozin, Z. R. Gorbis. Teplo- i massoper. 1:131-139 '62.

Use of graphite as packing material in the bottom pouring of killed steel. Report no.1. V. I. Lapitskii and others. Izv. vys. ucheb. zav. i Chern. met. 5 no.12:86-89 '62.

GRASSES see subdivision under Kuybyshev Province; Pamirs

GRASSES—FERTILIZERS AND MANURES see subdivision under Ukraine

GRAVEL

Gravel deposits are a source for obtaining high-strength aggregates. B. I. Ramzes, L. P. Legkaja. Sbor. trud. NII Zhelezobetona no.7:13-16 '62.

GRAVEL—STANDARDS

State standard for structural gravel. Biul. stroit. tekhn. 19 no.12:13-15 D '62.

GRAVEL—TESTING

Rapid method of determining the content of dusty and clayey particles in crushed stone and gravel. M. L. Nisnevich, T. V. Kalashnikova. Stroim. mat. 8 no.12:13-15 D '62.

GRAVIMETRY—CONGRESSES

International Gravimetric Committee. M. U. Sagitov. Vest. AN SSSR 33 no.1:80-81 Ja '63.

GRAVITATION

Bogorodskii, A. F. [Einstein's field equations and their use in astronomy]. Uravnenia polia Einsteina i ikh primeneniye v astronomii. [Kiev] Izd-vo Kievskogo univ., 1962, 195 p.

Gravitation, space, time. A. S. Kompaneets. Dos. such. fiz. no.6:155-164 '62.

On a theorem of Poincaré relating to the problem of the motion of a solid body in a Newtonian field of force. IU. A. Arkhangel'skii. Prikl. mat. i mekh. 26 no.6:1116-1117 N-D '62.

On the possible variation of the gravitational constant. K. P. Staniskovich. Dokl. AN SSSR 147 no.8:1348-1351 D '62.

Riddles of gravitation. O. Z. Petrov. Znan. ta pratsia no.12:3-5 D '62.

GRAVITATIONAL MASS see Mass (Physics)

GRAVITY, LOCAL DISTURBANCE OF see Plumb-line deflections

GRAVITY ANOMALIES—CLASSIFICATION

Classification of magnetic and gravity anomalies [in Georgian with summary in Russian]. M. S. Abakelis. Trudy Inst. geofiz. AN Gruz. SSR 20:5-11 '62.

GRAVITY PROSPECTING

(see also subdivision under Kura Lowland)

Calculation of lunar and solar tidal influences on the results of gravity measurements. E. A. Mudretsova. Izv. vys. ucheb. zav. i geol. i razv. 5 no.10:113-118 O '62.

Computer for leveling the framework of fixed points in gravity prospecting. S. A. Igumnov, A. M. Gluzman. Izv. vys. ucheb. zav. i geol. i razv. 5 no.9:116-119 S '62.

GRAVITY SWITCHING YARD see Railroads—Hump yards

GREAT BRITAIN—AUTOMATIC CONTROL

Exhibition of the Elliot Automation Company from England in Moscow. I. K. Petrov. Mekh. i avtom. proizv. 16 no.12:50-54 D '62.

GREAT BRITAIN—BACTERIOLOGICAL LABORATORIES

News from everywhere. Zhen. mira no.10:4-5 '62.

GREAT BRITAIN—CITIES AND TOWNS—STATISTICS

"British towns"; a statistical study of their social and economic differences [in English] by S. Moser, W. Scott. Reviewed by N. M. Pol'skaya. Vest. Mosk. un. Ser. 5:Geog. 17 no.8:68-69 N-D '62.

GREAT BRITAIN—CITY PLANNING

Industrial areas in new English towns. A. Khristalev. Arkh. i. SSR no.12:43-52 '62.

GREAT BRITAIN—CONTRACTS, MARITIME

English bills of lading of the Leningrad-London line. A. V. Grishin. Inform. sbor. TSNIIMF no.82 Mor. pravo i prak. no.18:10-18 '62.

GREAT BRITAIN—DIESEL LOCOMOTIVES

Diesel locomotive engine. Mashinostroenie no.5:124 S-O '62.

GREAT BRITAIN—ECONOMIC CONDITIONS

The specter of the black thirties. V. B. Nov. vrem. 20 no.6:15 F '63.

GREAT BRITAIN—ECONOMIC POLICY

A kick from the Common Market. D. Zaslavskii. Nov. vrem. 20 no.7:17 F '63.

GREAT BRITAIN—ECONOMICS

Blumkin, I. G. [Criticism of bourgeois economics] Kritika burzhuaznoi politicheskoi ekonomii. Moskva, Izd-vo Akad. nauk SSSR, Vol. 2. [Criticism of modern British and American economics] Kritika sovremennoi angliiskoi i amerikanskoi politicheskoi ekonomii. 1962, 517 p.

GREAT BRITAIN—ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Electric-arc unit for welding tanks. V. M. Davidich. Mashinostroenie no.5:124 S-O '62.

GREAT BRITAIN—FOREIGN ECONOMIC RELATIONS—AFRICA, EAST

Gukhlov, A. M. [British imperialism in Eastern Africa, 1845-1950; British colonial policy] Britanski imperiializm v Vostochnoi Afrike, 1845-1950 gg.; angliiskaya kolonial'naya politika. Moskva, Izd-vo IMO, 1962, 265 p.

GREAT BRITAIN—FOREIGN RELATIONS

The background of the deadlock in Brussels. S. Madzoevskii. Mezhdunar. zhizn' 10 no.3:84-82 Mr '63.

Trukhanovskii, V. G. [English foreign policy in the early phase of the general crisis of capitalism, 1918-1939] Vneshnaya politika Anglii na pervom etape obshchego krizisa kapitalizma, 1918-1939 gg. Moskva, Izd-vo IMO, 1962, 410 p.

GREAT BRITAIN — FOREIGN RELATIONS (Continued)

Two montaces are raving in Europe; excerpts from memoirs (to be continued). A. Eden. Mezhdunar. zhizn' 10 no. 3:108-113 Mr '63.

We transformed Mussolini into a considerable power; the Laval-Hoare agreement. A. Eden. Mezhdunar. zhizn' 10 no. 2:103-111 F '63.

GREAT BRITAIN—FOREIGN RELATIONS—LATVIA
Struggle of England to induce the participation of bourgeois Latvia in the united imperialistic anti-Soviet front (1920-1923) (in Latvian). A. Varslavans. Izv. AN Latv. SSR no. 8:13-23 '62.

GREAT BRITAIN—FOREIGN RELATIONS—UNITED STATES
"Buzards" and "die-hard". V. Maevskii. Mezhdunar. zhizn' 10 no. 2:77-85 F '63.
Encounter in the Bahamas. Nov. vrem. 20 no. 1:9-10 Ja '63.
A new Dunkirk. H. Palme Dutt. Mezhdunar. zhizn' 10 no. 3:77-84 Mr '63.

GREAT BRITAIN—GLASS FACTORIES
Glass-container factories of England. N. N. Rokhlin. Steklo ker. 10 no. 12:32-35 D '62.

GREAT BRITAIN—GRAIN—TRANSPORTATION
Application of a radiolactop to the determination of the annular thickness of grain in an auger conveyor (from "Journal of Agricultural Engineering Research," no. 1 1962). Mekh. i elek. sots. sel'khoz. 20 no. 6:60 '62.

GREAT BRITAIN—HISTORY
"The English labor movement during the First World War, 1914-1918" by M. M. Karlner. Reviewed by L. E. Kertman. Vop. ist. 38 no. 1:143-145 Ja '63.
Kertman, L. E. [Conflicting trends in the English labor and socialist movement in the late 19th and the early 20th century] Bor'ba techenii v angliiskom rabochem i sotsialisticheskoi dvizhenii v kontse XIX - nachale XX vv. Moskva, Vysshaya shkola, 1962. 111 p. (V pomoshch' studentu-istoriku)

GREAT BRITAIN—INDUSTRIAL EQUIPMENT
Report of the Business Conditions Research Institute in the Ministry of Foreign Trade of the U. S. S. R. Met. i gor. prom. no. 5:93-94 S-O '62.

GREAT BRITAIN—LABOR PARTY
Kertman, L. E. [Conflicting trends in the English labor and socialist movement in the late 19th and the early 20th century] Bor'ba techenii v angliiskom rabochem i sotsialisticheskoi dvizhenii v kontse XIX - nachale XX vv. Moskva, Vysshaya shkola, 1962. 111 p. (V pomoshch' studentu-istoriku)
The struggle of English workers for unity; the left-wing movement in the Labor Party. N. F. Mochevskii. Vest. Mosk. un. Ser. 9:1st. 18 no. 1:23-42 Ja-F '63.

GREAT BRITAIN—LAND—MAPS
A new map on the use of land in Great Britain. N. M. Pol'skai. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:80-82 N-D '62.

GREAT BRITAIN—MARITIME LAW
Judicial practice in the examination of maritime conflicts in England. Inform. sbor. TSNIIMF no. 82. Mor. pravo i prak. no. 18:84-88 '62.

GREAT BRITAIN—NUCLEAR RESEARCH
British research in the field of controlled thermonuclear fusion (translated from the English). J. Cockcroft. Atom. energ. 14 no. 1:66-71 Ja '63.

GREAT BRITAIN—POLITICS AND GOVERNMENT
A new Dunkirk. H. Palme Dutt. Mezhdunar. zhizn' 10 no. 3:77-84 Mr '63.

GREAT BRITAIN—POSITIVISM
Mikhailenko, Iu. P. [Philosophy of David Hume is the theoretical foundation of 20th-century English positivism] Filosofiya D. Iuma - teoreticheskaya osnovangliiskogo pozitivizma XX veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 149 p.

GREAT BRITAIN—RAILROADS—ELECTRIFICATION
Equipment for installing contact network poles. V. S. Kireev. Transp. stroi. 12 no. 12:53-54 D '62.

GREAT BRITAIN—REFRACTORY MATERIALS
Channeling of tunnel kiln car bottoms in England (from foreign journals). K. K. Strel'ov. Ogneupory 28 no. 1:47 '63.

GREAT BRITAIN—RELATIONS (GENERAL) WITH RUSSIA
Radovskii, M. I. [From the history of Anglo-Russian relations in the field of science] Iz istorii anglo-russkikh nauchnykh svyazoi. Moskva, Izd-vo Akad. nauk SSSR, 1961. 214 p.

GREAT BRITAIN—RELATIONS (MILITARY) WITH THE UNITED STATES
Stal'mato. V. Osipov. Nov. vrem. 20 no. 2:4-6 Ja '63.

GREAT BRITAIN—SHOE MANUFACTURE

Hot vulcanization of plastic sole parts for footwear with leather shoe uppers (from "Shoe News and Leather Record," 8/11, 1962). K. Robinson. Kozh.-obuv. prom. 4 no. 12:35 D '62.

GREAT BRITAIN—TRACTORS

Program control of a farm tractor (from "Journal of Agricultural Engineering Research," no. 4 1960). Mekh. i elek. sots. sel'khoz. 20 no. 6:58-59 '62.
Tractor with automatic transmission (from "Farm Implementation and Machinery Review," no. 1041, 1962). Mekh. i elek. sots. sel'khoz. 20 no. 6:59 '62.

GREAT BRITAIN—UNEMPLOYED

They march to London. Nov. vrem. 20 no. 8:13 F '63.

GREAT CHU CANAL REGION—DRAINAGE

Effectiveness of the action of the drainage and irrigation network in the Chu Valley (in the zone controlled by the sections 2 and 3 of the Great Chu Canal). A. A. Zabegailov. Izv. Kir. fil. Vses. ob-va pochv. no. 1:99-104 '62.

GREAT CHU CANAL REGION—IRRIGATION

Effectiveness of the action of the drainage and irrigation network in the Chu Valley (in the zone controlled by the sections 2 and 3 of the Great Chu Canal). A. A. Zabegailov. Izv. Kir. fil. Vses. ob-va pochv. no. 1:99-104 '62.

GRECO-ROMAN SCULPTURE see Sculpture, Greco-Roman

GREECE—PHYSICAL EDUCATION AND TRAINING

Athletes of Hellas. IU. Shanin. Znan. te pratsa no. 11:10-11 N '62.

GREECE—POLITICAL PRISONERS

A Greek tragedy. Petros Anthos. Nov. vrem. 20 no. 7:16 F '63.

GREECE—POLITICS AND GOVERNMENT

Kondrat'ev, V. V. [Greece] Gretska. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Mezhdunarodnaya, no. 3)

GREEK SCULPTURE see Sculpture, Greek

GREEN MANURING

Aftereffects of the aftermath of forage lupine on the yield of winter rye, potatoes, and flax. K. M. Ostlievsk. Nauk. pratsi asp. UASHN no. 5:62-65 '60.

GREENHOUSE MANAGEMENT

(see also subdivision under Moscow region)
Equipment for growing plants in artificial neutral media. R. Akopian. Tekh. v sel'khoz. 22 no. 11:11-15 N '62.
Equipment for spraying plants under glass. E. D. Galushko. Zashch. rast. ot vred. i bol. 6 no. 10:13-15 O '60.

GREENHOUSE PLANTS

Biological characteristics of cucumber cultivated under glass. G. V. Boos. Trudy po prikl. bot., gen. i sel. 31 no. 2:234-247 '57.
Intravarietal crossing of greenhouse cucumber varieties. V. I. Volkov. Trudy po prikl. bot., gen. i sel. 31 no. 2:183-188 '57.

GREENHOUSES

(see also subdivision under Ukraine)

Taranov, G. I., and B. K. Chaplygin. [Lightweight covers] Nevesomye ukrytiya. Moskva, Izd-vo "Znanie," 1963. 20 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Sol'skoe khozaiatvo, no. 1)

GREVILLE, HENRIETTA, 1801-

Henrietta Greville, pioneer of Australian labor and women's movement. Jane Tabberer. Zhen. mira no. 2:18-19 '62.

GRIAULE, MARCEL, 1898-1966

Marcel Griaule's "ethnographic method" and the methodology of present-day French ethnology [with summary in English]. B. I. Sharevskaya. Sov. etn. no. 6:43-54 N-D '62.

GRIBOEDOV, ALEKSANDR SERGEEVICH, 1795-1829

History of Russo-Iranian relations and A. S. Gribodov's diplomatic work. I. K. Enikolov. Ist. -filol. zhur. no. 4:143-151 '62.

GRIGORESCU, NICOLAE, 1838-1907

Popescu, Mircea. [Nicolae Grigorescu] Nicolae Grigorescu. Bucharest, Izd-vo "Meridian," [1962] 9 p. Ilust. (Rumynskie khudozhniki)

GRINDING AND POLISHING

Band instead of wheel. New heat insulator. V. Arkhipkin. I. Dikovskii. NTO 4 no. 12:43 D '62.
Effect of gaps in lateral feed mechanisms on the precision of the regulation of allowance yield speed. E. S. Zheleznev. V. N. Mikhel'kevich. Izv. vyz. ucheb. zav. mashinost. no. 7:192-199 '62.

GRINDING MACHINES

Attachment for sharpening cutting tools. A. F. Bogdanov. Mashinostroi. no. 12:27 D '62.

Automatic lines for continuous centerless grinding of parts. V. V. Starostin. Avt. prom. 28 no. 11:39-41 N '62.

Automation of the control of wood grinding conditions. I. I. Mikheev. Der. prom. 11 no. 12:5-6 D '62.

Increasing the rigidity of internal-groove grinding machines. A. N. Chalyi-Prilutskii. Stan. i instr. 33 no. 12:28-29 D '62.

Over-all automation of circular grinding machines. P. I. Koronenko. Mashinostroenie no. 5:13 S-O '62.

GRINDING MACHINES—ATTACHMENTS

Attachment to a magnetic plate. V. F. Mikhailov. Mashinostroi. no. 12:28 D '62.

Device for exchanging grinding wheels on profile-grinding machines. B. M. Malkin. Stan. i instr. 33 no. 12:34 D '62.

GRINDING WHEELS

AFA-1A-type automatic molding unit. N. I. Naiguz, A. F. Shuaarenko. Kuz.-shtam. proizv. 4 no. 12:28-33 D '62.

GRIPPE see Influenza

GRTSEV DISTRICT—SOVIETS

This field crew leader is the Chairman of the Executive Committee of the Village Soviet. N. Khomenko. Sov. deput. trud. no. 6:71 Ja '62.

GROCERY TRADE

(see also subdivision under Kiev Province; Ufa; Voronezh)
Dietetic products trade. I. Karpushin. Sov. torg. 39 no. 11:26-28 N '62.

GRODNO PROVINCE—COMMUNITY CENTERS

Evening gatherings on a collective farm. Halina Vasileuskaia. Rab. i stal. 38 no. 12:10-11 D '62.

GRODZINSKI, MORITS MARKOVICH, 1897-1962

M. M. Grodzinski; obituary. Sots. zakon. 40 no. 1:78 Ja '63.

GROSS NATIONAL PRODUCT

Gilbert, Milton, and Kravis, Irving. [An international comparison of national products price levels. Translated from the English] Mezhdunarodnoe sravnenie natsional'nogo produkta i urovnia tsen. Moskva, Gosstatizdat, 1962. 337 p.

GROUND BEETLES

(see also subdivision under Chechen-Ingush A. S. S. R.; Pavlodar Province)
Field predatory Entomophaga (Coleoptera, Carabidae and Diptera, Asilidae) and factors determining their efficiency. B. G. Shurovenkov. Ent. oboz. 41 no. 4:763-780 '62.

GROUND WATER see Water, Underground

GROUPS, THEORY OF

Bayman, B. F. [Lectures on the application of the theory of groups to nuclear spectroscopy. Translated from the English] Lektsii po primeneniui teorii grupp v iadernoi spektroskopii. Pod red. A. Z. Dolgova. Moskva, Gos. izd-vo fiz. mat. lit-ry, 1961. 226 p. [Publ. as: Some lectures on groups and their applications to spectroscopy.] (NN)

Degrees of insolubility of the identity problem in finitely defined groups. A. A. Fridman. Dokl. AN SSSR 147 no. 4:805-808 D '62.

Generating operators of semigroups. V. G. Maz'ia, P. F. Sobolevskii. Usp. mat. nauk 17 no. 6:151-154 N-D '62.

GROUSE

Notes of a naturalist. V. Samonov, Iuri Aleksandrov. IUn. nat. no. 12:36-37 D '62.

GROWTH

Problems in the pathogenesis of hereditary and nonhereditary disorders of normal development in the light of the general regularities of ontogenesis. P. G. Svetlov. Vest. AMN SSSR 17 no. 11:13-18 '62.

Some characteristics of growth and development of the vascular system of the gastrointestinal tract. Iu. P. Antynchuk. Pratsi Inst. zool. AN URSSR 18:104-109 '62.

GROWTH (PLANTS)

Growth of white pine in the Trostyanets Forest Working Circle. Shyn TSyn-Si (Sheng TSung-Hai). Nauk. pratsi asp. UASHN no. 5:141-151 '60.

Investigation of the rhythm of growth of subtropical plants [with summary in English]. G. T. Gutiev. Subtrop. kult. no. 1:23-42 '62.

Rhythmics of the vegetation of introduced evergreen plants in the subtropical regions of the U. S. S. R. G. T. Gutiev. Blud. Glav. bot. sada no. 47:13-22 '62.

Variability of metamorphic organs in plant stands of various densities. V. N. Sizov. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:105-110 '62.

GROWTH INHIBITING SUBSTANCES

Find, look and check. K. E. Ovcharov. IUn. nat. no. 1:28 Ja '63.

GROWTH PROMOTING SUBSTANCES

At the Krezhinka River. Igor' Shchipanov. IUn. nat. no. 12:4-6 D '62.
Effect of some growth promoting factors on spruce seedlings. M. I. Onys'kiv. Vsiyuk sil'hosp. nauky 5 no. 12:89-90 D '62.

Investigating the effectiveness of growth stimulators on spruce seedlings. M. I. Onys'kiv. Nauk. pratsi asp. UASIN no. 5:104-108 '60.
Urkevich, I. D., ed. [Using herbicides and substances promoting plant growth] Primenenie gerbitsidov i stimulatorov rasta rastenii. Minsk, Izd-vo Akad. nauk BSSR, 1961. 310 p. (DNL)

Studying physiologically active substances secreted by the causative agents of common corn smut. A. D. Volodarskii. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:157-165 '62.
Using biogenic stimulants in vegetable gardening. K. I. Tsytyovich. Trudy po prikl. bot., gen. i sel. 31 no. 2:253-258 '67.

GROZNY DISTRICT—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Chadov, B. S. [From border to border; work practices of the Grozny District party organization] Ot rubezha k rubezhu; iz opyta raboty Grozneskoi raionnoi partinnoi organizatsii. [Grozny] Checheno-Ingushskoe knizhnoe izd-vo, 1961. 46 p. (Biblioteka partinogo rabotnika) (MH)

GUADALUPE—SOCIAL CONDITIONS

Guadeloupe and Martinique; a bitter reality. Denise Broton. Zhen. mira no. 4:23-25, 34 '62.

GUAIACOL—SPECTRA

Study of the structure of some unsaturated and saturated homologs of guaiacol by means of infrared absorption spectra. A. I. Kakhnashvili and others. Zhur. ob. khim. 32 no. 12:4087-4090 D '62.

GUANIDINE

Inverse piezoeffect of Z-cuts of guanidine aluminum sulfate crystals. I. S. Zheludov, V. S. Lelekov. Kristallografiya 7 no. 3:463-465 My-Je '62.
Studying the protective effect of oil paints modified with chromic acid guanidine. I. N. Rozenfeld and others. Lakokras. mat. i kh. prim. no. 6:11-15 '62.

GUATEMALA—SUBVERSIVE ACTIVITIES

Weekend in Guatemala. Miguel Angel Asturias. Zhen. mira no. 7:32-34 '62.

GUIANA, BRITISH see British Guiana

GUINEA—AGRICULTURAL POLICY

New developments in the agriculture of the Republic of Guinea. D. Lozhnov. Ekon. sel'khoz. 33 no. 12:112-114 D '62.

GUINEA—COMMERCE

Firsov, A. A. [The Guinea Republic; its economy and foreign trade] Gvineiskaja Respublika; ekonomika i vneshehnaja trgovlja. Moskva, Vneshtorgizdat, 1962. 58 p.

GUINEA—ECONOMIC GEOGRAPHY

Firsov, A. A. [The Guinea Republic; its economy and foreign trade] Gvineiskaja Respublika; ekonomika i vneshehnaja trgovlja. Moskva, Vneshtorgizdat, 1962. 58 p.

GUINEA, PORTUGUESE—POLITICS AND GOVERNMENT

A corner of an "invisible empire." Viktor Maria. Az. i Afr. seg. no. 1:32-33, 42 Ja '63.

GULSHAD REGION—GRANITE

Division of the medium-grained granites of the Gul'shad deposit (central Kazakhstan) according to the results of quantitative mineralogical analysis and radiometric observations. D. I. Ivanov. Dokl. AN SSSR 147 no. 6: 1425-1428 D '62.

GUMS AND RESINS—SPECTRA

Study of resinous substances in oils based on infrared absorption spectra. E. A. Isaenko, V. G. Gutsaliuk, S. R. Rafikov. Izv. AN SSSR, Ser. fiz. 27 no. 1:107-110 Ja '63.

GUMS AND RESINS, SYNTHETIC see Resins, Synthetic

GUNPOWDER

Characteristic combustion rate of gunpowder of a mixed composition. V. B. Librovich. PMTF no. 4:33-39 Ji-Ag '62.
Transients in the combustion of gunpowders. B. V. Novozhilov. PMTF no. 5:83-88 S-O '62.

GUNSHOT WOUNDS

Emergence of malignant tumors on the place of gunshot wounds. E. V. Golutvina. Zdrav. Bel. 8 no. 12:35-38 D '62.

GURO, IRINA ROMANOVNA, 1904-

"Now you are an adult" by Irina Guro. Reviewed by U. Iakovlev. Mol. komm. no. 12:116 D '62.

GUR'YEV PROVINCE—FISHERIES

For a comprehensive development of the economy. K. I. Usupov. Nar. khoz. Kazakh. 20 no. 10:54-55 O '62.

GUR'YEV PROVINCE—STOCK AND STOCKBREEDING

Economic effectiveness and specialization of the branches of livestock husbandry for meat production [with summaries in English, German, and French]. N. P. Tatrov. Vest. sel'khoz. nauki 7 no. 10:71-76 O '62.

GUSEL'NIKOV, EVGENII PAVLOVICH, 1902-1962

Evgenii Pavlovich Gusel'nikov (1902-1962). E. V. Bellakov. Bot. zhur. 47 no. 11:1695 N '62.

GUSEV DISTRICT—PENSIONS

A section and its assistants. V. Burova. Sots. obsep. 23 no. 1:29 N '62.

GYMNASTICS, MEDICAL see Exercise therapy

GYPSUM

(see also subdivision under Krasnovodsk)
Improving equipment opens new potentials in gypsum production. E. M. Iampol'skii. Stroi. mat. 8 no. 12: 20-23 D '62.
Raising the water resistance of gypsum by using local cements and hydraulic additives. R. A. Mukhammedaminov. Sbor. nauch. trud. NII po stroi. ASIA no. 2:114-118 '61.
Vikhter, I. A. I. [Manufacture of gypsum] Proizvodstvo gipsa. Moskva, Proftekhizdat, 1962. 245 p.

GYPSUM—TESTING

Microhardness of constructional gypsum. V. A. Zolotov, L. N. Furukina. Zav. lab. 28 no. 12:1495-1496 '62.
Studies of some properties of structural phospho-gypsum. P. F. Gordashevskii. Sbor. trud. ROSNIMS no. 20:109-110 '61.

GYPSUM PRODUCTS see subdivision under Latvia

GYROCOMPASS

On the theory of a gyrohorizon compass. I. U. K. Zhibanov. Prikl. mat. i mekh. 26 no. 6:1130-1135 N-D '62.

GYUZDEK REGION—BUILDING STONES

Using limestones of the Gyuzdek plateau as a building stone [in Azerbaijani with summary in Russian]. A. M. Mamedaliev. Uch. zap. AGU. Geol.-geog. ser. no. 1: 43-46 '62.

GYUZDEK REGION—LIMESTONE

Using limestones of the Gyuzdek plateau as a building stone [in Azerbaijani with summary in Russian]. A. M. Mamedaliev. Uch. zap. AGU. Geol.-geog. ser. no. 1: 43-46 '62.

HAFNANIUM

Kuganovich, S. I. A. [Zirconium and hafnium; technical and economic description and analysis of natural resources, their development and use] TSirkonil i gafnii; tekhniko-ekonomicheskoe opishchenie i analiz mineral'no-syr'ovyykh resursov, proizvodstva i primeneniya. Moskva, Izd-vo Akad. nauk SSSR, 1962. 180 p.

HAFNANIUM ISOTOPES

Radiochemical separation of hafnium without carrier. N. G. Zaitseva, Chzhou Mo-lun [Chou Mo-lung]. Radiokhimiya 4 no. 6:738-739 '62.
Spectrum of conversion electrons from Hf¹⁷³. V. Brabec and others. Izv. AN SSSR, Ser. fiz. 16 no. 12:1486-1487 D '62.

HAFNANIUM CARBIDE—THERMAL PROPERTIES

Certain physical properties of specimens of hafnium carbide ceramic metal. V. N. Paderno. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:176-178 N-D '62.

HAFNANIUM COMPOUNDS

Complex formation in the system hafnium - selenoyl acetate - benzene - H₂O investigated by the distribution method. V. M. Pashkova, Pen An [P'eng Ang]. Izv. vyz. ucheb. zav. khim. i khim. tekhn. 5 no. 5:684-687 '62.

HAFNANIUM OXIDES

Evaporation of hafnium dioxide. S. A. Shchukarev, G. A. Semenov. Izv. vyz. ucheb. zav. khim. i khim. tekhn. 5 no. 5:845 '62.

HAIR

Hair injury to poplar plantations. S. V. Shevchenko. Zashch. rast. ot vred. i bol. 5 no. 11:42 N '60.

HAIRDRESSING

How to set these hair styles. Mest. prom. i khud. promys. 3 no. 11:36-39 N '62.

HAITI—FOREIGN RELATIONS—UNITED STATES

"How the Haitian people have struggled against imperialist oppression" [in Spanish] by A. Marton. Reviewed by I. A. G. Grigor'ev. Vop. ist. 38 no. 1:172-173 Ja '63.

HALIDES

Correspondence of the force constants of the molecules XY₄ and XY, where X element belongs to the subgroup IV B, and Y - is a halogen [with summary in English]. I. N. Godnev, A. M. Aleksandrovskaia, A. S. Syrdilin. Zhur. fiz. khim. 36 no. 12:2609-2615 D '62.

Mercurimetric determination of halides by the potentiometric method [with summary in English]. Z. I. Ivanova, P. N. Kovalenko. Zhur. anal. khim. 17 no. 6:730-742 S '62.

HALL EFFECT

Hall coefficient as dependent on the magnetic intensity in InSb crystals doped with Se. V. V. Galavanov, N. L. Karaseva. Fiz. tver. tela 5 no. 1:36-40 Ja '63.

HALLOYSITE

Halloysite-kaolinite group minerals in alkaline massifs. E. I. Samonov. Trudy IMGRE no. 9:87-92 '62.

HALOCHROMISM

Spectra and halochromy of thiophene analogs of methoxychalcones and their vinyl analogs. V. G. Lavrushin, S. V. Tsukerman, V. M. Nikitchenko. Zhur. ob. khim. 32 no. 12:3871-3877 D '62.

HALOGEN COMPOUNDS

Polarography of halogen organic compounds. Report No. 1: Monoelectronic splitting of a carbon-halogen bond and polarographic behavior of some propionitrile halides. L. G. Feoktistov, S. I. Zhdanov. Izv. AN SSSR. Otd. khim. nauk no. 12:2127-2132 D '62.

HALOGEN ORGANIC COMPOUNDS

Polarography of halogen organic compounds. Report No. 2: Establishing the stoichiometry of reactions by means of latent limiting currents. L. G. Feoktistov, S. I. Zhdanov. Izv. AN SSSR. Otd. khim. nauk no. 1:45-52 '63.

HALOGENATION

Halogenation of aromatic silanes. Part 11: Addition of chlorine to phenylmethylchlorosilane. Preparation of hexachlorocyclohexyl (methyl) dichlorosilane. G. V. Motanov, V. R. Rozenberg. Zhur. ob. khim. 33 no. 1: 255-258 '63.

HALOGENS

Direct substitution of a nitro group by halogen in aromatic and heterocyclic nitro compounds. Part 2: Preparation of m-dichlorobenzene and m-elderonitrobenzene from m-dinitrobenzene. A. A. Pomomarenko. Zhur. ob. khim. 32 no. 12:4035-4038 D '62.
Kinetics of symmetrization reaction of organomercury salts. Part 5: Effect of halogen substituents in compounds of the type n-XCgH₄Cl(CiH₄Br)COOC₂H₅ on the rate of symmetrization under the action of ammonia [with summary in English]. O. A. Reutov, I. E. Beletskii, G. A. Aramkina. Zhur. fiz. khim. 36 no. 12: 2582-2588 D '62.

HAMBURG—GAS CHROMATOGRAPHY—CONGRESSES

Fourth International Symposium on Gas Chromatography in Hamburg. A. V. Kiselev, K. I. Sakodynski, K. D. Shcherbakova. Neftekhimiya 2 no. 5:804-814 S-O '62.

HAMSTERS see subdivision under Gobi-Altai District

HAND PLANES see Planes (Hand tools)

HANDICAPPED, APPARATUS FOR

Doesn't your conscience bother you, Mr. Maslov? P. Malorov. Sots. obsep. 23 no. 9:53-54 S '62.
Let's harness new technology to the service of man. A. Nuzhnov, V. Gutler. Sots. obsep. 23 no. 11:46-48 N '62.

Tricycle carriages for the road. N. Klimentko. Sots. obsep. 23 no. 12:38-37 D '62.

HANSEN'S DISEASE see Leprosy

HAPPINESS

What is happiness? Vsem. stud. nov. 16 no. 5:6:22-23 My-Je '62.

HARBORS

Druzhinin, V. P. [Manual for a receiving and delivery clerk in sea harbors] Posobie dlia priemodatchnika morskogo poria. Moskva, Izd-vo "Morskoi transport," 1962. 87 p.

Increase the rate of technological progress in construction of sea and river harbors. K. K. Ivanov. Tranep. stroi. 12 no. 12:1-3 D '62.

HARD FACING

Hard-faced cutters for cold sheet metal cutting. A. P. Afanas'ev. Stal' 22 no. 12:1104 D '62.

HARDBOARD

Automatic production of wood fiber blocks. F. I. Akinov. Na stroi. Ros. no. 12:28-29 D '61.
Manufacture of hardboard from spent tanning bark. M. I. Karpman. Kozh. -obuv. prom. 4 no. 12:12 D '62.
Pressing of particle boards with heating in the electric field of high frequency currents. L. I. Kozel'tsev. Der. prom. 11 no. 12:16-17 D '62.
Ryzhova, N. A., and I. A. Dvornina. [Finishing of wood particle boards] Otdelka struzhechnykh plit. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po leznoi, bumazhnoi i dorevozobrativnykh tselul'noy promyshl., 1962. 33 p.

[MICROFILM]

HARDBOARD—BIBLIOGRAPHY see Bibliography—Hardboard

HARDBOARD—TESTING

Physicomechanical properties of SP-3 and SP-1 make particle boards. A.I. Anson, V.P. Pashina. Bum. 1 der. prom. no. 4:35-39 O-D '62.

HARDNESS

Direct method of measuring the elastic recovery of impressions in testing transparent materials for microhardness. I.U. S. Bolarskaya, M.I. Volkovskaya, N.T. Savilev. Zav. lab. 28 no. 12:1404-1405 '62.

Hardness numbers. V.V. Varnello. Zav. lab. 28 no. 12: 1535-1536 '62.

Method of preparation of samples for measuring the microhardness of glasses. M.B. Epeibaum, I.U. E. Gorbetyi. Zav. lab. 28 no. 12:1492-1494 '62.

Microhardness of constructional gypsum. V.A. Zolotov, L.N. Furukina. Zav. lab. 28 no. 12:1495-1496 '62.

HARDWOODS

Introduce the use of hardwood in woodpulp production with more confidence. Bum. prom. 37 no. 12:1-2 D '62.

Manufacture of neutral sulfite semichemical woodpulp from hardwoods in Japan, England and Italy. V.N. Malutin. Bum. prom. 37 no. 12:20-25 D '62.

Manufacture of sulfite pulp from hardwoods. M.G. Elisberg. Bum. prom. 37 no. 12:4-6 D '62.

Technical and economic advantages of the use of hardwoods. S.A. Puzyrev. Bum. prom. 37 no. 12:3-4 D '62.

HARMONIC FUNCTIONS

Calculation of the first derivatives of harmonic functions by means of electrical modeling of the function of the source. E.V. Kolesnikov. Izv. vyz. ucheb. zav.; elektromekh. 5 no. 11:1211-1224 '62.

Numerical solution of Dirichlet's problem for Poisson equations. M. Alekaidze. Dokl. AN SSSR 147 no. 6: 1271-1273 D '62.

On the growth of harmonic functions of three variables. I.S. Arshon, M.A. Evgrafov. Dokl. AN SSSR 147 no. 4: 755-757 D '62.

Some evaluations near the boundary of the domain of a polyharmonic function and its derivatives defined in an n-dimensional region. A.S. Pokht. Dokl. AN SSSR 147 no. 4:801-804 D '62.

HARMONY

"Russian national traditions in the music of S.S. Prokofiev" by T. Boganova; "On harmony" by I.U. Kholopov. Reviewed by V. Berkov. Sov. muz. 26 no. 12:135-137 D '62.

HARVESTING MACHINERY

(see also subdivision under Ukraine)

High-speed operation of drum-type pickup attachment. A.M. Ozerov. Mekh. i elek. sots. sel'khoz. 20 no. 6: 54-55 '62.

Physical and mechanical characteristics of sugar beet seed plants. S.V. Ilievych. Visnyk sil'kosp. nauky 5 no. 13:25-27 D '62.

To the attention of entomologists! R.N. Zashch. rast. ot vred. i bol. 5 no. 11:23 N '60.

The ZHYN-7-14 mounted windrower. P. Novikov. Ekon. sel'khoz. 34 no. 1:73-74 Ja '63.

HAY—HARVESTING see subdivision under Moscow Province

HAY AS FEED see subdivision under Ukraine

HEALTH EDUCATION

(see also subdivision under Frunze; Murmansk)

A good day. E. Selezneva. Sov. Kras. kreist 12 no. 4: 14-15 J1-Ag '62.

Role of Moscow pharmacies in the sanitary education of the population. L.K. Vasil'ova. Apt. delo 12 no. 3:55-57 My-Je '62.

What did they talk about? N.I. Krivitskaya and others. Sov. Kras. kreist 12 no. 4:6-7 J1-Ag '62.

HEALTH RESORTS, WATERING PLACES, ETC. see subdivision under Crimea; Truskavets; Ukraine; Yalta; see also Charkov (Uzbekistan); Kemerli

HEARING

Role of reverse afferentation in the auditory perception of rhythm. T.M. Kozina. Dokl. APN no. 2:81-84 '62.

HEARING AIDS

It is only a beginning. A. Kozlovskaya. Sots. obesp. 23 no. 12:34-35 D '62.

HEART

Catecholamines of the bird heart in ontogenesis. V.A. Govyrin, G.R. Leont'eva. Dokl. AN SSSR 147 no. 6: 1507-1509 D '62.

HEART—ABNORMALITIES AND DEFORMITIES

Compensatory changes in the myocardium in cardio-sclerosis in patients with congenital heart defects. L.D. Krymskii. Sbor. trud. Inst. khir. AMN SSSR no. 1:39-52 '62.

HEART—DISEASES

(see also subdivision under Minsk)

Analysis of the causes of death in patients with congenital heart defects based on data from the A.V. Vishnevskii Institute of Surgery of the Academy of Medical Sciences of the U.S.S.R. for a seven-year period. L.D. Krymskii. Vest. AMN SSSR 17 no. 11:71-82 '62.

Changes in the ballistocardiogram of patients suffering from chronic pulmonary and cardiopulmonary insufficiency [with summary in English]. M.N. Malova. Vop. kard. 2-go MGMI no. 2:197-200 '62.

Compensatory changes in the myocardium in cardio-sclerosis in patients with congenital heart defects. L.D. Krymskii. Sbor. trud. Inst. khir. AMN SSSR no. 1:39-52 '62.

Electrocardiogram of patients suffering from chronic pulmonary and cardiopulmonary insufficiency [with summary in English]. I.U. I. Aktimov, M.N. Malova, L.L. Orlov. Vop. kard. 2-go MGMI no. 2:129-139 '62.

Importance of vectorcardiography in the diagnosis of acquired heart defects [with summary in English]. V.S. Urasov. Vop. kard. 2-go MGMI no. 2:305-320 '62.

Measurement of pressure in the cavities of the heart and large vessels in acquired heart defects [with summary in English]. V.D. Fedorov and others. Vop. kard. 2-go MGMI no. 2:357-374 '62.

Possibility of the reverse development of the lesions of a hypertrophied heart. S.S. Vail'. Sbor. trud. Inst. khir. AMN SSSR no. 1:53-60 '62.

Vectorcardiographic changes in patients with arterio-sclerotic cardiosclerosis [with summary in English]. V.I.A. Preiger. Vop. kard. 2-go MGMI no. 2:331-344 '62.

HEART—INFARCTION

Morphology of cardiac lymphatic glands in cases of cardiac infarction. S. Il'inski. Izv. AN Latv. SSR no. 10:99-105 '62.

Shestakov, S.V. [Angina pectoris and myocardial infarct] Grudnaya zhila i infarkt miokarda. Moskva, Medgiz, 1962. 200 p. (DNLN)

HEART—MUSCLE

Regenerative processes in the myocardium following extreme fatigue. L.I. Muzykant, L.A. Burakina. Sbor. trud. Inst. khir. AMN SSSR no. 1:14-33 '62.

HEART—SOUNDS

Effect of obstetric manipulations and surgical methods on fetal cardiac activity. L.S. Perslaninov, T.V. Chervakova. Vest. AMN SSSR 17 no. 11:31-36 '62.

Phonocardiogram of healthy persons and its characteristics in athletes [with summary in English]. V.V. Solov'ev, V.V. Bulichev. Vop. kard. 2-go MGMI no. 2:211-221 '62.

Phonocardiogram of mitral stenosis patients before and after a commissurotomy [with summary in English]. V.V. Solov'ev. Vop. kard. 2-go MGMI no. 2:223-240 '62.

HEART—SURGERY

Results of adhesive pericarditis following heart operations. L.D. Krymskii. Sbor. trud. Inst. khir. AMN SSSR no. 1:34-38 '62.

HEART-ROT see Wood-decaying fungi

HEAT

Gladkov, K.A. [In the world of temperatures and pressures] V mire temperatur i davlenii. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no. 2)

Heat balance in the performance of five-stand cold rolling mills. P.I. Polyukhin and others. Sbor. Inst. stal i splav. no. 40:218-224 '62.

HEAT—CONDUCTION

Determining the heat conductivity of metals at temperatures exceeding 1000°C. V.S. Gumeniuk, V.E. Ivanov, V.V. Lebedev. Teplo- i massoper. 1:94-101 '62.

Diffusion processes in a nonuniformly heated layer undergoing deformation. I.A.S. Podstrigach, V.S. Pavlina. Vop. mekh. real' tver. tela no. 1:67-75 '62.

Heat conductivity problems involving a heat source. M.V. Kulakov. Teplo- i massoper. 1:42-56 '62.

Materials with ultralow heat conductivity, and calculation of the heat conduction and viscosity of gases in fine-pore materials and in a rarefied state. R.S. Prasolov. Teplo- i massoper. 1:213-217 '62.

Some approximate solutions to the heat conduction and wave equations for solids of revolution and plates [with summary in English]. V.I. Makhovikov. Inzh.-fiz. zhur. 8 no. 1:87-96 Ja '63.

Temperature distribution in solids of rectangular shape under linear boundary conditions and internal overall sources of heat. V.M. Malkin, F.R. Shkhar. Sbor. nauch. trud. VNIIMT no. 8:485-524 '62.

Thermal conductivity of aqueous solutions of electrolytes as a structure-sensitive property [with summary in English]. H.V. Lytyvnenko, I.V. Radchenko. Ukr. fiz. zhur. 7 no. 5:530-548 My '62.

HEAT—CONDUCTION—MEASUREMENT

Method and equipment for measuring the coefficient of thermal conductivity by means of temperature waves. I.U. A. Kirichenko. Trudy Inst. Kom. stand., mer. i izm. prib. no. 51:130-157 '61.

HEAT—CONVECTION

Convective heat transfer to plates from a gas flow out of burner nozzles. V.N. Timofeev, I.A. Fevrileva, M.A. Vavilova. Sbor. nauch. trud. VNIIMT no. 8:454-471 '62.

Effect of Archimedean forces on liquid flow and heat transfer in a channel formed by vertical rotating coaxial cylinders in the case of axial motion of the liquid. E.P. Zimin. PMTF no. 2:123-125 Mr-Ap '62.

Effect of the diffusion of radiating impurities on convective heat transfer. A.N. Rumynskii. PMTF no. 2: 50-58 Mr-Ap '62.

Experimental investigation of heat transfer coefficients during regenerative heat exchange. F.R. Shkhar, V.N. Timofeev, V.M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:137-161 '62.

Heat transfer coefficients from regenerative checkers. S.P. Kashtanova, V.N. Timofeev, B.I. Kitnev. Sbor. nauch. trud. VNIIMT no. 8:373-390 '62.

Heat transfer from plates and rectangular parallelepipeds with transverse and longitudinal flowing of gases around them. V.N. Timofeev, I.A. Fevrileva, Sbor. nauch. trud. VNIIMT no. 8:396-430 '62.

Investigating coefficients of heat transfer by convection and of the hydraulic resistance of new checkerwork shapes in blast furnace air preheaters. V.N. Timofeev, S.P. Kashtanova. Sbor. nauch. trud. VNIIMT no. 8:105-105 '62.

Investigating convective heat transfer to plates in a flow of gases. V.N. Timofeev, I.A. Fevrileva, M.A. Vavilova. Sbor. nauch. trud. VNIIMT no. 8:431-453 '62.

Steady convective motion of a viscous conducting fluid in a circular vertical channel. S.A. Regier. PMTF no. 2:14-19 Mr-Ap '62.

HEAT—MEASUREMENT

Heat measurements by the method of current heat compensation. V.A. Grishin. Teplo- i massoper. 1:160-165 '62.

Problem concerning the errors and regulation of TS-1 heat registers. A.IU. Vail'kvi, M.A. Hammerman. Teploenergetika 9 no. 12:67-71 D '62.

HEAT—PERIODICALS

Contents of the international journal "Teplo- i Massoperenies." G.I. Malavukina. Inzh.-fiz. zhur. 6 no. 1:138-140 Ja '63.

HEAT—RADIATION AND ADSORPTION

Burning mixed gas in radiation tubes. K.V. Dneprenko, V.P. Korablin. Met. i gor. prom. no. 5:67-70 S-O '62.

Effect of radiation heat transfer on the entrainment of substances in the critical point of a blunt body. V.IA. Nolland. Inzh. zhur. 2 no. 4:227-231 '62.

Role of the temperature of the source in studying the integral absorption function for long-wave radiation in the surface layer of the atmosphere. V.E. Zuev. Izv. vyz. ucheb. zav.; fiz. no. 6:176-177 '62.

HEAT—TRANSMISSION

Applying the theory of heat exchange to the solution of some problems of temperature measurements. A.N. Gordov. Trudy Inst. Kom. stand., mer. i izm. prib. no. 51:172-184 '61.

Approximate calculation of the efficiency of fins and pins [with summary in English]. A.L. Luhnny-Gertsayk, N.A. Bobkova. Inzh.-fiz. zhur. 6 no. 1:118-121 Ja '63.

Balajka, Bohumil, and Karol Sykora. [Heat transfer processes in heat exchangers of the chemical industry] Protsessy teploobmena v apparatakh khimicheskoi promyshlennosti. Pod red. V.A. Grigor'eva. Moskva, Mashgiz, 1962. 350 p.

Calculation of turbulent friction and heat emission in jets using an equivalent problem of the theory of heat transfer. L.A. Vul'is, I.L. Senderikhina. Izv. AN Kazakh. SSR. Ser. energ. no. 2:75-82 '62.

Computer solving of heat exchange problems. V.M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:33-40 '62.

Criterion equations of nonstationary heat and mass transfer in humid bodies. I.U. Mikhailov. Izv. AN Latv. SSR no. 10:87-90 '62.

Critical heat flows in boiling binary liquid mixtures. G.I. Bobrovich and others. PMTF no. 4:108-111 J1-Ag '62.

Determining the coefficient of heat transfer to a boiling liquid in the case of continuous variation of the heat flow. V.V. Gusev, A.I. Pridansev, A.N. Solov'ev. PMTF no. 4:111-114 J1-Ag '62.

Developing method for the calculation of regenerative heat exchangers. V.M. Malkin, V.N. Timofeev, F.R. Shkhar. Sbor. nauch. trud. VNIIMT no. 8:41-67 '62.

Devices for determining dynamic errors of heat-measuring elements in measuring temperatures under conditions of varying heat transfer. A.N. Gordov, Z.U. Zaborovskaya, M.S. Kalander. Trudy Inst. Kom. stand., mer. i izm. prib. no. 51:185-197 '61.

HEAT — TRANSMISSION (Continued)

Effect of the geometrical characteristics of a fluidized bed and of a surface of heat transmission on heat transfer between the bed and the surface placed into the bed. N. I. Gal'perin, V. I. A. Kruglikov, V. G. Ainshtein. Nauch. zap. Ukrnitproekt. no. 8:23-33 '62.

Effect of underloading a blast furnace on the temperature, composition and static pressure of gases. V. V. Poltavets. Stal' 22 no. 12:1069-1071 D '62.

Experimental investigation of heat exchange coefficients during the regenerative heat exchange process. F. R. Shkilar, V. N. Timofeev, V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:162-177 '62.

Experimental investigation of the regenerative heat exchange process. F. R. Shkilar, V. N. Timofeev. Sbor. nauch. trud. VNIIMT no. 8:110-136 '62.

Heat emission during the condensation of drops of water vapor. V. I. Isachenko. Teploenergetika 9 no. 12:54-56 D '62.

Heat exchange in a layer of lump materials. V. N. Timofeev. Sbor. nauch. trud. VNIIMT no. 8:472-494 '62.

Heat exchange of the surface of the ocean with layers of water below the surface. L. A. Strokina. Meteor. i gidrol. no. 1:25-30 Ja '63.

Heat transfer between the fluidized bed and a single tube placed into the bed. N. I. Gal'perin, V. I. A. Kruglikov, V. G. Ainshtein. Nauch. zap. Ukrnitproekt. no. 8:34-47 '62.

Heat transfer in turbulent flow of a low Prandtl-number coolant in a tube. L. S. Kokorev, V. N. Ritsosov. PMTF no. 2:42-49 Mr-Ap '62.

In pursuit of the boundary layer. S. Stel'makh. Znan. i prots. no. 11:5-7 N '62.

Local heat transfer to mercury in an annular channel with sinusoidal heat load distribution. PMTF no. 4:114-116 Ji-Ag '62.

A low-inertia thermopile for studying radiative heat transfer. G. E. Ozhigov. Teplo- i massoper. 1:175-180 '62.

Method of determination of the heat transfer coefficient. M. A. Drovman, E. V. Surin. Zav. lab. 20 no. 12:1470-1472 '62.

Optimum formula for heat conducting fins taking into account mutual irradiation. V. V. Frolov. Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom. no. 6:45-49 N-D '62.

Optimum formula for heat conducting radiation cooled fins. G. L. Grodzovskii. Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom. no. 6:39-45 N-D '62.

"Principles of the theory of heat exchange" by S. S. Kutateladze. Reviewed by E. A. Sidorov. Teploenergetika 9 no. 12:80 D '62.

Selection of a basic impulse for the continuous control and automatic regulation of heat processes in open-hearth furnaces. A. I. Chernogolov. Izv. vya. ucheb. zav. i zhurn. 5 no. 12:174-181 '62.

Studying heat transfer by means of a heat exchanger. D. I. Gremilov. Teplo- i massoper. 1:170-174 '62.

Temperature distribution in the walls of a heater. F. R. Shkilar, A. I. Morozova. Sbor. nauch. trud. VNIIMT no. 8:525-542 '62.

Temperature field of a plate during the regenerative heat exchange process. V. M. Malkin, V. N. Timofeev, F. R. Shkilar. Sbor. nauch. trud. VNIIMT no. 8:5-15 '62.

Turbulent heat and mass transfer on a plate in the case of porous suction and injection of various gases [with summary in English]. V. P. Motulevich. Inzh. -fiz. zhurn. 6 no. 1:3-13 Ja '63.

Unsteady heat exchange in a fluid with laminar flow. V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:100-118 '62.

HEAT CAPACITY

Determination of heat capacity using an electronic calorimeter. E. A. Mit'kina. Teplo- i massoper. 1:146-151 '62.

Landis, N. A. [Computation of high-temperature heat capacities of solid inorganic substances by standard entropy] Raschet vysokotemperaturnykh toplosmootoi (verdykh neorganicheskikh veshchestv po standartnoi entropii). Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 221 p.

HEAT CAPACITY—MEASUREMENT

The modulation method for heat capacity measurements. J. A. Krattmacher. PMTF no. 5:170-180 S-O '62.

HEAT CONTENT see Enthalpy

HEAT ENGINEERING

Research conducted by the All-Union Heat Engineering Institute in 1962. Teploenergetika 9 no. 12:87-88 D '62.

HEAT ENGINEERING—PRICES

Price list for the installation of new types of thermomechanical equipment. M. Kaplan. Ekon. strol. no. 1:87-89 Ja '63.

HEAT EXCHANGERS

Balaika, Bohumil, and Karel Sykora. [Heat transfer processes in heat exchangers of the chemical industry] Procesy teploobmena v apparatakh khimicheskoi promyshlennosti. Pod red. V. A. Grigor'eva. Moskva, Mashgiz, 1962. 350 p.

Effect of elastic capacities on the stability of operation in steam generating tubes [with summary in English]. I. I. Morozov, V. A. Mal'kov. Inzh. -fiz. zhurn. 6 no. 1:54-58 Ja '63.

Studying heat transfer by means of a heat exchanger. D. I. Gremilov. Teplo- i massoper. 1:170-174 '62.

HEAT EXCHANGERS—CLEANING

Hydraulic sandblast cleaning of heat exchangers. V. V. Al'man, I. I. Abramovich, M. P. Litvinskii. Spirt. prom. 28 no. 8:16-17 '62.

HEAT EXCHANGERS—DESIGN AND CONSTRUCTION

Theory of regenerative heat exchanger design. V. N. Timofeev, V. M. Malkin, F. R. Shkilar. Sbor. nauch. trud. VNIIMT no. 8:16-32 '62.

HEAT EXCHANGERS—EQUIPMENT AND SUPPLIES

Drawing of the pipe ends of pipe from stainless steel. A. V. Abramov. Energomashinostroenie 8 no. 12:38 D '62.

HEAT OF ADSORPTION

Adsorption and heat of adsorption of vapors on silicoxy-lated silica [with summary in English]. B. G. Arin'ov, I. I. Babkin, A. V. Kiselev. Koll. zhurn. 24 no. 6:643-647 N-D '62.

Increase in adsorption energy in the compression of nonporous silica particles with a chemically modified surface [with summary in English]. I. I. Babkin, A. V. Kiselev. Koll. zhurn. 24 no. 6:648-650 N-D '62.

Isotherms and differential heats of adsorption of some alkanes and naphthenes on silica gel. A. V. Kiselev, B. A. Frolov. Khl. i kat. 3 no. 5:767-773 S-O '62.

Isotherms and heats of adsorption of vapors of aromatic hydrocarbons on silica gel. A. V. Kiselev, B. A. Frolov. Khl. i kat. 3 no. 5:774-783 S-O '62.

Work and heat of adsorption of solutions. A. V. Kiselev, L. F. Pavlova. Izv. AN SSSR. Otd. khim. nauk no. 12:2121-2127 D '62.

HEAT OF DECOMPOSITION

Enthalpy and stress in the decomposition of lower zirconium and hafnium chlorides. L. P. Ruzinov, S. F. Belov. TSvet. met. 35 no. 9:85 S '62.

HEAT OF EVAPORATION

Heat of evaporation of the components of binary azeotropic mixtures with a minimum boiling point [with summary in English]. E. A. Rapshtynskaya. Ukr. fiz. zhurn. 7 no. 8:906-910 Ag '62.

HEAT OF FORMATION

Standard heats of formation of the higher carbides of niobium and tantalum. A. N. Kornilov, V. I. Leonidov, S. M. Skuratov. Vest. Mosk. un. Ser. 2:Khim. 16 [i.e. 17] no. 6:48-50 N-D '62.

HEAT OF SOLUTION

Concentrated polymer solutions. Part I: Determination of integral and differential heats of solution and dilution of polyisobutylene and polystyrene [with summary in English]. A. A. Tager, A. I. Podolskiy. Vysokom. soed. 5 no. 1:87-93 Ja '63.

HEAT OF SOLVATION

Heats of solution in mixed solvents. V. P. Vashil'ev. Izv. vya. ucheb. zav. i khim. i khim. tekhn. 5 no. 5:731-733 '62.

HEAT OF TRANSFORMATION

Determination of the value of the heat effect of pearlitic transformation with the aid of a differential dilatometer. F. K. Tkachenko. Zav. lab. 28 no. 12:1472-1473 '62.

HEAT REGENERATORS

Determining the degree of heat regeneration in open-hearth furnace checkerwork. A. I. Chernogolov. Trudy Vost. inst. ognep. no. 2:127-131 '60.

Developing method for the calculation of regenerative heat exchangers. V. M. Malkin, V. N. Timofeev, F. R. Shkilar. Sbor. nauch. trud. VNIIMT no. 8:41-67 '62.

Heat transfer coefficients from regenerative checkers. S. P. Kashanova, V. N. Timofeev, B. I. Kitaev. Sbor. nauch. trud. VNIIMT no. 8:373-390 '62.

Hydraulic characteristics of regenerative checkers. S. P. Kashanova, V. N. Timofeev. Sbor. nauch. trud. VNIIMT no. 8:391-395 '62.

Methods of calculating heat regenerators for industrial furnaces. V. N. Timofeev and others. Sbor. nauch. trud. VNIIMT no. 8:197-228 '62.

Prolonging the life of regenerator checker brickwork. L. A. Lushin. Stal. i ker. 10 no. 12:22-23 D '62.

HEAT REGENERATORS—TESTING

Experimental investigation of heat exchange coefficients during the regenerative heat exchange process. F. R. Shkilar, V. N. Timofeev, V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:162-177 '62.

Experimental investigation of heat transfer coefficients during regenerative heat exchange. F. R. Shkilar, V. N. Timofeev, V. M. Malkin. Sbor. nauch. trud. VNIIMT no. 8:137-161 '62.

HEAT-RESISTANT ALLOYS—TESTING

Preparation and calculation of samples during testing for heat resistance by the centrifugal method. O. N. Andreev. Zav. lab. 28 no. 12:1487-1488 '62.

HEAT TREATING FURNACES see Furnaces, Heat-treating

HEATING

Compound diagram of the heating plant of a building. E. Matlukhina. Stroi. i arkh. 10 no. 1:38 Ja '62.

Procedure and installation for linear heating [with summary in English]. N. L. Gal'perin. Inzh. -fiz. zhurn. 6 no. 1:39-45 Ja '63.

Removing air from a heating system with π -form risers. A. Pukash, I. Shul'gin. Stroi. i arkh. 10 no. 1:36-37 Ja '62.

Some problems of the automatic control of heat release according to the temperature of the outdoor air. S. A. Chistovitch. Sbor. nauch. rab. AKKH no. 9:170-178 '61. Standard heating systems. I. S. Liber. Stroi. i arkh. Len. 25 no. 1:32-33 Ja '63.

HEATING FROM CENTRAL STATIONS

Control characteristics of individual heat regulators for buildings heated from central stations. O. G. Liskov, V. I. Khasilev. Sbor. nauch. rab. AKKH no. 9:179-189 '61.

Decrease in superheating of delivered steam. E. L. Alkhennvald. Energetik 11 no. 1:8 Ja '63.

An efficient type of water-heating boiler unit with a contact chamber for a one-pipe system of centralized heat supply. L. K. Iaktimov and others. Sbor. nauch. rab. AKKH no. 9:31-50 '61.

"Engineering and economic principles of heating from central stations" by I. D. Stenchesku. Reviewed by E. I. Sokolov. Teploenergetika 9 no. 12:89 D '62.

Gusev, I. V., and S. F. Kopyev. [Boiler systems and thermal networks] Kotel'nye ustanoiki i teplovyie seti. Moskva, Gosstroizdat, 1962. 310 p.

HEATING PIPES

Unit for manufacturing risers of welded heating systems. Prom. stroi. i inzh. soor. 4 no. 5:55-56 S-O '62.

HEATING RESEARCH

Present-day problems of engineering thermophysics. A. V. Lykov. Izv. ASIA 4 no. 4:108-117 '62.

HEAVY ELECTRONS see Mesons

HEDENBERGITE

Effect of the acid-base interaction of the components in the system aspartic acid - hedenbergite - diopside. L. L. Porchuk. Dokl. AN SSSR 147 no. 6:1461-1464 D '62.

HEGEL, GEORG WILHELM FRIEDRICH, 1770-1831

"Fundamental difference between Marxist and Hegelian views on consciousness" by P. I. Georgiev. Reviewed by M. F. Ovsinnikov. Vop. filos. 17 no. 1:172-174 '63.

Soviet studies devoted to the works of Rousseau and Hegel [with summary in English, pp. 182-183]. M. B. Mikh. Vop. filos. 17 no. 1:61-72 '63.

HELEDAE see subdivision under Karelia

HELICOPTERS

Helicopters in the construction of pipelines. P. P. Tarapugin. Stroi. truboprov. 7 no. 12:29 D '62.

Prospects for using helicopters in civil aviation. B. Belokopytov. Grazhd. av. 12 no. 2:23-24 F '55.

HELICOPTERS—PILOTING

Piloting helicopters at limiting low altitudes. E. Samarin. Av. i kosm. 46 no. 1:38-39 Ja '63.

Safety is the main objective. A. Lutsenko. Kryn. rod. 14 no. 1:20 Ja '63.

HELIUM

Calculating the diamagnetic susceptibility of helium. P. Sh. Fridberg, V. K. Slugorov. Zhur. eksp. i teor. fiz. 43 no. 6:2308 D '62.

Thermophysical properties of helium. Energomashinostroenie 8 no. 11:47-48 N '62.

Variation of the mass transfer coefficient during the condensation of magnesium vapors from a mixture with helium. I. V. Frishberg, A. S. Mikulinskiy. Dokl. AN SSSR 147 no. 4:886-888 D '62.

HELL

Shishkin, I. B. [In search of the Biblical Hell] V poiskakh bibleiskogo ada. Moskva, Gospolitizdat, 1962. 61 p. (Besedy s veruyushchimi)

HELMINTHOSPORIUM see subdivision under Ukraine

HELOMYZIDAE see subdivision under Leningrad Province

HELSINKI—DESCRIPTION

The meeting in Helsinki. Klaus Raddatz. Mol. mira no. 11/12:4-5 '61.

HELSINKI—SPORTS

Motto of the festival "Peace and Friendship." A. A. Afanasiev. Toor. i prak. fiz. kult. 25 no. 11:14-17 N '62.

HEMATOLOGY

Some current problems in the hematology of childhood. A. F. Tur. Vop. okh. mat. i det. 7 no. 9:3-7 S '62.

HEMOLYMPH

Mollusks as a source of drinking water in a desert. G. I. A. Krenke. Priroda 52 no. 1:120 '63.

HEMOLYTIC ANEMIA

Acute Lederer-Brill hemolytic anemia in a 4-year-old child. V. A. Afanas'eva. Vop. okh. mat. i det. 7 no. 9:31-35 '62.

HEMOPHILIA

Familial and congenital forms of hypoconvertinemia in childhood [with summary in English]. A. M. Abegauz, L. S. Kucher. Vop. okh. mat. i det. 7 no. 9:31-35 '62.

Importance of the hyaluronidase system - hyaluronic acid in the permeability factor of the vascular wall in hemorrhagic diatheses. T. A. Gurinovich, Z. N. Atrakhovich. Zdrav. Bel. 8 no. 12:22-24 D '62.

HEMOPOIETIC SYSTEM—DISEASES

Course of erythromyelosis in children. Z. P. Chizhova. Vop. okh. mat. i det. 7 no. 9:77-79 '62.

HEMORRHAGE, UTERINE

Mortality from perinatal hemorrhages and ways for its further lowering. G. A. Palladi. Zdravookhraneniye 5 no. 3:6-10 My-Je '62.

HEMORRHAGIC SEPTICEMIA see subdivision under Azerbaijan

HEMORRHAGIC SEPTICEMIA OF CATTLE

Degree of the reaction of the organism of animals vaccinated against pasteurellosis. M. K. Caniev, S. R. Mirzazade. Trudy Azer. nauch.-issl. vet. inst. 13:64-70 '62.

HEMP

Effect of gibberellic acid on the growth and development of some farm crops. G. V. Smirnov. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:81-85 '62.

HEPATITIS, INFECTIOUS

(see also subdivision under Moldavia)

Data on detecting the antigen (virus) in the wash water from the hands and linen of patients with epidemic hepatitis. V. P. Sidenko. Zdravookhraneniye 5 no. 3:39-41 My-Je '62.

Protoklitova, N. S., and I. N. Rudenskaya. [Botkin's disease in children] Bolozn' Botkina u detei. Moskva, Medgiz, 1962. 12 p. (Sovety roditeliam) (DNLN)

Some indices of the peripheral blood in epidemic hepatitis in children treated with ACTH. N. M. Vokova-Vasileva. Zdrav. Kazakh. 22 no. 7:36-41 '62.

HEPATOZOON see subdivision under White Russia

HEPTANE

Kinetic equations of heptane reactions under the conditions of catalytic reforming. F. A. Fetizkhanov, G. M. Panchenkov, I. M. Kolesnikov. Neftekhimija 2 no. 5: 716-722 S-O '62.

HERBICIDES

Application of herbicides for weed control in gladioli stands. N. M. Bogdanov, G. M. Prokof'eva, E. D. Suchilin. Biol. Glav. bot. sada no. 47:83-91 '62.

Comparative studies on simazine and atrazine. M. I. A. Beresovskii. Zashch. rast. ot vred. i bol. 5 no. 7:28-29 Ji '60.

Discussions on herbicides in the Scientific Technological Council of the Ministry of Agriculture of the U.S.S.R. A. B. Frutkin. Zashch. rast. ot vred. i bol. 5 no. 6: 58 Je '60.

Effect of herbicides on the sprout-protecting properties of paper. K. A. Bakal'reva. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:125-131 '62.

Iurkovich, I. D., ed. [Using herbicides and substances promoting plant growth] Primennye gorbitskoy i stimulatorov rosta rastenii. Minsk, Izd-vo Akad. nauk BSSR, 1961. 310 p. (DNLN)

Preparation of macromolecular herbicides [with summary in English]. Z. Volkober, I. S. Varga. Vysokom. seed. 5 no. 1:139-144 Ja '63.

Using new herbicides in the corn fields of Ryzan and Vladimir Provinces. O. D. Mikulok, L. I. Kobazeva. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:225-230 '62.

HERCYNITE

Thermodynamics of the reduction reaction of hercynite by carbon oxide. B. G. Lobedev. Izv. AN SSSR, Otd. tekh. nauk, Met. i topl. no. 8:7-11 N-D '62.

HEREDITY

Alcoholism and heredity. I. Polishchuk. Nauka i zhizn' 12 no. 9:50-53 S '62.

Laws governing the inheritance of experimentally induced functional changes in giant chromosomes. N. B. Khristolubova, N. Z. Zagorskaya, R. M. Volkova. Dokl. AN SSSR 147 no. 6:1473-1475 D '62.

HEREDITY OF DISEASE

Human chromosomal embryopathies. V. P. Efremson. Vest. AMN SSSR 17 no. 11:41-50 '62.

Problems in the pathogenesis of hereditary and nonhereditary disorders of normal development in the light of the general regularities of ontogenesis. P. G. Svetlov. Vest. AMN SSSR 17 no. 11:13-18 '62.

HERMAN, Father, 1756-1837

Ljashvskii, Stefan. [Holy Father Herman of Alaska] Prepodchennyi starets German Allaskinskii. New York, 1953. 57 p. (MII)

HEROES IN LITERATURE

Degree of nobility. Gleb Goryshin. Znamia 32 no. 9: 162-188 S '62.

My contemporary. . . Irina Velembovskaya. Znamia 32 no. 9:175-181 S '62.

Not a boy, but a man! Igor' Zolotusskii. Znamia 32 no. 9:189-190 S '62.

Questions addressed to myself. Eduard Shim. Znamia 32 no. 9:197-202 S '62.

HERRING see subdivision under Dvina Bay

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

Hertzen Jubilee in the year 1920 [with summary in English]. N. M. Volynkin. Vest. LGU 17 no. 20:159-163 '62.

Synfactual order in the early works of Herten. A. B. Shapiro. Mat. i issl. po ist. rus. lit. iaz. 5:71-110 '62.

Zelliger-Rubinshtein, E. I. [A. I. Herten's views on education] Pedagogicheskie vzglady A. I. Gertsena. Izd. 2., dop. i perer. Moskva, Gos. Uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1962. 191 p.

ETEROCYCLIC COMPOUNDS

Gammet constants of the ethylenimine cycle. V. F. Byatrov, O. A. Iuzhakova, R. G. Kostianovskii. Dokl. AN SSSR 147 no. 4:843-845 D '62.

Radiation chemical stability of some heterocyclic compounds. V. A. Sharpatyi, S. A. Safarov, K. G. Ivanova. Dokl. AN SSSR 147 no. 4:863-865 D '62.

ETEROPTERA see subdivision under Leningrad Province

ETEROSIS

Utilization of hybridization for obtaining heterosis forms of arboreal plants. A. Ozols. Izv. AN Latv. SSR no. 8: 75-80 '62.

HEUSER, GEORG

Those who protect murderers. Lev Ginzburg. Nov. vrem. 20 no. 6:13-14 F '63.

HEXENOL

Isomeric 2-ethylhexenols formed during 1-butanol condensation. V. I. Lubomilov, N. N. Merkulova. Zhur. ob. khim. 33 no. 1:22-27 '63.

HEXENYNE

Chemistry of vinylacetylene. Part 37: Addition reactions of α -chloromethyl ethers to 5-chloro-5-methyl-1-hexen-3-yne and some transformations of the products obtained. S. A. Vartanian, A. O. Tsoumian, L. G. Mesropian. Zhur. ob. khim. 33 no. 1:62-67 '63.

HEXOBARBITAL

Color reactions for barbamil, luminal and evipan sodium. V. I. Lobanov. Apt. delo 12 no. 3:68-67 My-Je '62.

HEXONUM

Effect of hexonum on blood coagulation and the prothrombin time in rabbits [with summary in English]. N. B. Peschuk. Trudy Ukr. nauch.-issl. inst. eksp. endok. 18:369-374 '61.

HEXOSES

Reaction of urea with hexoses. N. Z. Rudenko. Zhur. ob. khim. 33 no. 1:276-282 '63.

HIDDENITE see subdivision under Siberia

HIDES AND SKINS—DISINFECTION

Protection of hides and skins from injurious insects. R. Safonova. Sov. potreb. koop. 6 no. 12:56-57 D '62.

HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

HIGH-PRESSURE RESEARCH

Alkali metal halides at high pressures and shock compression temperatures. L. V. Altshuler and others. Fiz. tver. tela 5 no. 1:278-280 Ja '63.

Change in the width of the forbidden zone in PbSe under pressure. A. A. Averkin, I. G. Dombrovskaya, B. I. Moizhes. Fiz. tver. tela 5 no. 1:96-98 Ja '63.

Determining the parameters of the state of solids under high pressures using the displacive piston method. I. U. S. Genshaft, L. D. Lyshitsa, I. U. N. Rabinin. PMTF no. 5:107-116 S-O '62.

Effect of pressure on the magnitude of the threshold field and the temperature of the antiferromagnetic transformation of the MnAu₂ compound [with summary in English]. N. P. Grazhdankina, K. P. Rodionov. Zhur. eksp. i teor. fiz. 43 no. 6:2024-2027 D '62.

Melting curve of tellurium at pressures up to 23,000 kg./cm². N. A. Tikhomirova, S. M. Stishov. Zhur. eksp. i teor. fiz. 43 no. 6:2321 D '62.

Model of the underground kingdom. Tekh. mol. 30 no. 12:7 '62.

Spectral characteristics of some gases at high temperatures and pressures. A. A. Kon'kov, V. P. Ionov. Teplo- i massoper. 1:199-204 '62.

HIGHER EDUCATION see Education, Higher

HIGHWAY DESIGN see Roads—Design

HIGHWAY RESEARCH

Mattakin, G. I., V. D. Priakhin, and Z. A. Prokhorova. [Tree belts for snow protection] Snegozaschitnyye lesnye polosy. Moskva, Avtotransizdat, 1962. 77 p.

HINDEMITH, PAUL, 1895-

Harmony and polyphony; remarks on the polyphonic cycles of Bach, Hindemith, and Shostakovitch. M. Ettinger. Sov. muz. 26 no. 12:29-34 D '62. Meetings with Hindemith, Schoenberg, and Ravel. A. Veprik. Sov. muz. 26 no. 12:110-117 D '62.

HIPPOLYTUS, Saint, fl. 217-235

Old Georgian version of the Chronicle of Hippolytus of Rome [in Georgian with summary in Russian]. I. V. Abuladze. Izv. Inst. ruk. AN Gruz. SSR 3:223-243 '61.

HISTAMINE

Changes in the leucocyte and thrombocyte composition of the blood, the number of mast cells and eosinophilic leucocytes in connective tissues, and the copper content of the blood serum under the effect of histamine [with summary in German]. I. Lazovskii. Izv. AN Latv. SSR no. 10:121-127 '62.

HISTOLOGY

Conference on electron microscopy. A. N. Studitskii. Izv. AN SSSR, Ser. biol. no. 6:935-940 N-D '62.

HISTORICAL MATERIALISM see Dialectical materialism

HISTORICAL RESEARCH

(see also subdivision under Kishinev)

Historical studies of young scholars [with summary in English, p. 220]. V. A. Dunayevskii, A. M. Sakharov, S. L. Senfievskii. Vop. ist. 38 no. 1:36-40 Ja '63. Objectives of historical science and the training of history teachers. B. N. Ponomarev. Vop. ist. 38 no. 1:3-35 Ja '63.

HISTORY

Brief notes. Vop. ist. 38 no. 1:169 Ja '63.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—PHILOSOPHY

Bourgeois scholars on the general laws of historical development. E. E. Pechuro. Vop. ist. 38 no. 1:177 Ja '63.

HISTORY—STUDY AND TEACHING

Discussion method. M. I. Kruhlak. Rad. shk. 41 no. 12:10-14 D '62. History in the studies of pedagogical institutions of higher learning. S. L. Senfievskii. Vest. vyzhshkoly 20 no. 12: 74-81 D '62.

Independent work of students in history classes. I. Kalbaska, A. Matveenko. Nar. osv. no. 12:81-85 D '62. Objectives of historical science and the training of history teachers. B. N. Ponomarev. Vop. ist. 38 no. 1:3-35 Ja '63.

Stimulating students' work in history lessons. M. S. Vasil'eva. Nach. shkoly 30 no. 12:57-62 D '62.

HISTORY, ANCIENT—BIBLIOGRAPHY see Bibliography—History, Ancient

HISTORY, MODERN

Akademii nauk SSSR, Institut narodov Azii. [Against the distortion of the history of colonialism] Protiv fal'shivskoi istorii kolonializma. Moskva, Izd-vo vostochnoi lit-ry, 1962. 227 p.

Akademii nauk SSSR. [World history in ten volumes] Vsemirnaya istoriya v desyati tomakh. Glav. red. E. M. Zhukov i dr. Moskva, Izd-vo sotsial'no-ekon. lit-ry, Vol. 9. [1924-1939] Pod red. L. I. Zubova (Ov. red.), A. M. Dubinskogo, G. N. Sevost'yanova. 1962. 748 p.

HIT-AND-RUN DRIVERS

My militia searches, investigates, invents. V. Veselovskii. Znan. sila 37 no. 10:41, 51 O '62.

HITLER, ADOLF, 1889-1945

Why did they publish "The second book" by Hitler? L. I. Gintsberg, L. Spano. Vop. ist. 38 no. 1:173-174 Ja '63.

HODGKIN'S DISEASE

Case of lymphogranulomatosis with degeneration into reticulosarcoma in a 4-year-old child. G. M. Slutskaya, B. V. Savinich. Vop. okh. mat. i det. 7 no. 9:84-86 S '62.

HOFMANN REACTION

Hofmann degradation of 1-azabicyclo (3, 2, 1) octanes. Part 7: Hofmann degradation of 3-methyl-1-azabicyclo (3, 2, 1) octane. A. D. Ianina, M. V. Rubtsov. Zhur. ob. khim. 33 no. 12:3941-3945 D '62.

HOISTING MACHINERY

Ginzburg-Shik, L. D. [Manual for riggers] Pamiatka (akelazhnik). Moskva, Gosenergoizdat, 1961. 88 p. Modernization of the BKG-M-AN-63 drilling and hoisting rig. P. V. Ternikov. Elek. sta. 33 no. 10:78 O '62. Swinging boom which can be attached to a standard self-propelled power shovel. V. I. A. Ernel'ianenko. Stroil. i dor. mash. 7 no. 12:18-19 D '62. Units mounted on telescopic lifts. G. Nestarenko, G. Tokarevich. Sel'. stroil. no. 12:15-16 D '62. Working a shaft with automatic skip-winding. V. A. Kosmodem'ianskii. Transp. stroil. 12 no. 12:18-21 D '62.

HOISTING MACHINERY—ELECTRIC DRIVING

Use of a forcing system in the automatic control of a skip hoist in the dragging-up process. A. L. Vinogradov. Izv. vys. ucheb. zav.; elektromekh. 5 no. 9: 1048-1052 '62.

HOISTING MACHINERY—SAFETY MEASURES

Bobotnikov, V. I. [Handbook on accident prevention for the worker installing electric hoists] Pamyatka po tekhnike bezopasnosti dlia elektrosiaria-montazhnikov elektricheskikh pod'emnikov. Moskva, Gosstroizdat, 1962. 16 p. (Tekhnika bezopasnosti v stroitel'stve)

HOKKAIDO—FISHERIES

With the fishermen of Hokkaido. S. Verbitskii. Az. i Afr. sog. no. 1:39-42 Ja '63.

HOLLYWOOD—ATOMIC BOMB SHELTERS

An atomic shelter was destroyed by fire. Zhen. mira no. 2:5 '62.

HOLMIUM—ISOTOPES

On the genetic relation between the isomer states of Ho¹⁶⁵. E. P. Grigor'ev, G. S. Novikov, V. O. Sergeev. Izv. AN SSSR, Ser. fiz. 16 no. 12:1523-1524 D '62.

HOME AND SCHOOL

(see also subdivision under Archangel; Cherkov-Ingush A. S. S. R.; Khimki; Klintsy, Bryansk Province; Nyta; Smolensk)

The child enters the first grade; discussion. F. Meshentsov, N. Lalin. Sem'ia i shkola 17 no. 9:7-8 S '62.

Dictated by life itself. G. Girfanov, R. Enikeev. Sem'ia i shkola 17 no. 12:32 D '62.

Editor's mail. A. Kochetov and others. Sem'ia i shkola 17 no. 11:37-39 N '62.

Editor's mail. O. Grigor'eva and others. Sem'ia i shkola 17 no. 9:39-40 S '62.

Editor's mail. Sem'ia i shkola 17 no. 12:41-43 D '62.

Grinval'd-Zemskova, A. M. [Parents and the teacher] Roditeli i uchitel'. Moskva, Uchpedgiz, 1962. 64 p. (Roditeli i uchitel')

Hand in hand with schools. Sem'ia i shkola 17 no. 11: 33 N '62.

New features in the work of the parent community. G. Assey, L. Lerner. Sem'ia i shkola 16 no. 1:40-43 Ja '63.

Retired major. I. Cheludskikh. Sem'ia i shkola 17 no. 11:26-27 N '62.

School for mothers at a kindergarten. G. Lakhno. Doshk. vykh. 23 no. 10:46-47 O '62.

Their generous heart directs them... G. Saifullina. Sem'ia i shkola 18 no. 1:19 Ja '63.

There is work for everybody. O. Treilakova. Sem'ia i shkola 18 no. 1:36-39 Ja '63.

Work with parents. E. Vafman. Doshk. vosp. 36 no. 10: 72-73 O '62.

You can't buy it for money. F. L'vov. Sem'ia i shkola 18 no. 1:19 Ja '63.

HOME AND SCHOOL—PERIODICALS

Residents of Gor'kiy on "Sem'ia i shkola." Sem'ia i shkola 17 no. 12:31 D '62.

HOME ECONOMICS

Useful advice. Rab. isial. 38 no. 5:23 My '62. Useful advice. Rab. isial. 38 no. 12:21 D '62.

HOME ECONOMICS—ACCOUNTING

Changes in consumption and the planning of commodity turnover. I. Korzhenevskii. Sov. torg. 36 no. 11: 37-42 N '62.

HOME ECONOMICS—STUDY AND TEACHING

How I have organized home economics classwork in the seventh grade. A. Charnova. Nar. osv. no. 12:46-52 D '62.

HOME NURSING

These drugs you should have in your medicine chest. V. Krystman. Rab. isial. 38 no. 5:21 My '62.

HONEY PLANTS

Nectar-yielding plants in the attraction of Entomophaga. Kh. G. Kopyllov. Zashch. rast. ot vred. i bol. 5 no. 5: 33-34 My '60.

HOPPERS

Hoppers with vertical walls. G. F. Nikonchuk. Stroil. i dor. mash. 7 no. 11:34 N '62.

HOPS

Separation of hop heaps on hill slopes. IU. F. Onufrienko. Nauk. protsi asp. UASHN no. 5:216-221 '60.

HORMONE THERAPY

Effect of hormone therapy on the content of follicle-stimulating hormone in the blood of women with a climacteric syndrome [with summary in English]. L. M. Shifman. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:315-322 '61. Hyaluronidase activity of the blood serum in nephritis and its change under the influence of hormone therapy. A. S. Chish. Zdrav. Bel. 8 no. 12:24-27 D '62.

HORMONES

Effect of extracts of the hypothalamus and the posterior lobe of the pituitary body on the secretion of the luteinizing hormone. I. A. Kabak, E. V. Sokolova. Dokl. AN SSSR 147 no. 6:1516-1519 D '62.

HORMONES, SEX

Experimental clinical study of the combined use of methyltestosterone, bromural and lecithin in vasomotor disturbances induced by castration and inrotory insufficiency of the male sex glands [with summary in English]. B. A. Vartapetov, A. I. Gladkova, L. M. Shifman. Trudy Ukr. nauch.-issl. inst. eksper. endok. 19:272-283 '61.

HORNBEAM see subdivision under Vinnitsa Province

HORSES—FEEDING AND FEEDS see subdivision under Kazakhstan

HOSE—DRYING

Drying of fire hose with a motor heater. N. Shebeko. Pozh. delo 9 no. 1:24 Ja '63.

HOSIERY

New method of knitting the tipped heel on a semifinished process cotton knitting machine. V. M. Lempert. Tekst. prom. 22 no. 12:44-47 D '62.

HOSIERY, NYLON

Abramov, S. A. [Equipment and technology for the steam setting of capron hosiery] Oporudovanie i tekhnologiya zapravaniia kapronovykh chulok. Moskva, Roslekhlizdat, 1962. 140 p.

HOSPITALS

(see also subdivision under Yemen)

Improvement of hospital facilities for the population is one of the most important tasks of the public health agencies. N. I. Matveev, Zdrav. Ros. Feder. 8 no. 12: 3-9 D '62.

Vsesoyuznaya konferentsiya terapevtov. 12th, Eriuan, 1960. [Transactions of the 12th All-Union Conference of Therapists: I. Pathology of the kidneys. II. Communication between polyclinics and hospitals] Trudy: I. Patologiya pochek. II. Sviaz' poliklinik so statsionarnymi; stonograficheskii otech. Eriuan, Aspetrat, 1962. 194 p. (DNLM)

HOSPITALS—ADMINISTRATION

"Planning and analysis of expenditures for hospital and polyclinic maintenance" by I. A. Gorokhova. Reviewed by E. M. Barkman. Zdrav. Ros. Feder. 8 no. 12:30-31 D '62.

HOSPITALS—EQUIPMENT AND SUPPLIES

Verb, I. M., and T. A. Pavlova. [Clothing and linen for therapeutic and prophylactic institutions] Odezhdia i bol'e dlia lecheniia i profilakticheskikh uchrezhdenii. Moskva, Medgiz, 1962. 382 p.

HOSPITALS—FINANCE

"Planning and analysis expenditures for hospital and polyclinic maintenance" by I. A. Gorokhova. Reviewed by E. M. Barkman. Zdrav. Ros. Feder. 8 no. 12:30-31 D '62.

HOSPITALS—PERSONNEL MANAGEMENT

"Organization of the work of medical personnel" by E. M. Mateko. Reviewed by R. A. Khertov. Zdrav. Ros. Feder. 8 no. 12:30 D '62.

HOSPITALS, RURAL

An integrated series of standard plans for rural medical buildings. G. Vinogradov. Sel'. stroil. no. 12:12-13 D '62.

HOT-AIR HEATING

Hot-air heating for poultry houses. E. Morozov, L. Sorokin. Tekh. v sel'khoz. 22 no. 11:26-29 N '62.

HOT-WATER HEATING

Hot-water heating system for poultry houses. N. Gusev. Tekh. v sel'khoz. 22 no. 11:28-30 N '62. Increasing the temperature drop of the heat transfer medium in hot-water heating systems. V. A. Shmidt. Sbor. nauch. rab. AKKH no. 9:138-151 '61. The one-pipe hot-water heating system and its technical and economic bases. L. K. Iakimov. Sbor. nauch. rab. AKKH no. 9:152-160 '61.

State of aggregation of the heat carrying medium in radiators of heating systems [in Latvian with summary in Russian]. A. Ozers. Izv. AN Latv. SSR no. 4:57-60 '61.

Theoretical premises for the use of one-pipe systems in heat networks. V. K. Diashkin. Sbor. nauch. rab. AKKH no. 9:126-137 '61.

HOT-WATER SUPPLY

Analytic review of formulas for making calculations for hotwater supply systems. A. E. Rezyin. Vod. i san. tekhn. no. 12:5-7 D '62.

Theoretical premises for the use of one-pipe systems in heat networks. V. K. Diashkin. Sbor. nauch. rab. AKKH no. 9:126-137 '61.

HOTBEDS

Propagating coniferous species by cuttings in movable hotbeds. M. I. Dokuchaeva. Les. khoz. 15 no. 11: 38-41 N '62.

HOTELS, TAVERNS, ETC.—COST OF CONSTRUCTION

Technical and economic coefficients and the crawl space. G. Akhenshtein. Zhil. stroil. no. 12:12 '62.

HOTELS, TAVERNS, ETC.—STANDARDS

What standard plans of hotels should be like. IU. Arndt, D. Lomonosov. Zhil. stroil. no. 12:7-11 '62.

HOURS OF LABOR

Tavrov, I. A. M. [Time for work and time for leisure] Vremia rabotche i vremia svobodnoe. Moskva, Gospolitizdat, 1961. 20 p. (Kommunizm i chelovek) (CS-H) (MH)

HOUSE FURNISHINGS

Let's improve the sale of household furnishings and appliances. A. Belikov. Sov. potreb. koop. 6 no. 11: 14-17 N '62.

HOUSE PLANTS

Planters and flower pots. I. N. Lazyzhan. IU. nat. no. 12:34 D '62.

HOUSEHOLD APPLIANCES

Let's improve the sale of household furnishings and appliances. A. Belikov. Sov. potreb. koop. 6 no. 11: 14-17 N '62.

HOUSEHOLD APPLIANCES, ELECTRIC—QUALITY CONTROL

see subdivision under Moscow

HOUSING

(see also subdivision under New York, City)

Housing for railroad workers. B. Erashov. Zhil. stroil. no. 1:23 '62.

HOUSING—LAW AND LEGISLATION

(see also subdivision under Volgograd)

Leave no loopholes which may lead to unjust enrichment. K. Pankratichenko. Sov. deput. trud. no. 6:78 Ja '62. Recent legislative enactments. Sols. zakon. 39 no. 12: 63-65 D '62.

Registration of contracts for the alienation of residential buildings and of parts of them. A. Zeniuk, A. Klimanova. Sov. iust. no. 24: 15-17 D '62.

HOUSING FOR PHYSICALLY HANDICAPPED see subdivision under Karaganda Province

HOUSING MANAGEMENT

Improve leadership in housing administration. Gor. khoz. Mosk. 36 no. 7:15-18 JI '62. Practices in using housing of a district. I. I. Bodunkov. Gor. khoz. Mosk. 36 no. 7:16-18 JI '62.

HULLS (NAVAL ARCHITECTURE)—CLEANING

Improving the design of a bunch-type hammer. IU. A. Somin. Sudostroenie 28 no. 10:55 O '62.

HUMAN EMBRYOLOGY see Embryology, Human

HUMAN ENGINEERING

Human engineering. O. Kenopkin. Sem'ia i shkola 18 no. 1:44-46 Ja '63.

HUMAN FIGURE IN ART

Sokolov, V. N. [Figure sculpture] Lepka figury. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 138 p. illus.

HUMANISM

Man and humanity. V. Shecherbina. Znamia 32 no. 9: 203-214 S '62.

HUME, DAVID, 1711-1776

Mikhalevskii, IU. P. [Philosophy of David Hume is the theoretical foundation of 20th century English positivism] Filosofiya D. Iuma - teoreticheskaia osnovy angliiskogo pozitivizma XX veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 140 p.

HUMUS

(see also subdivision under Issyk-Kul' region) Chemical and spectrophotometric characteristics of water-soluble huminlike compounds formed by the fungus *Monotus obliquus* (Pers.) PIL. [with summary in English]. A. N. Shil'rina. Pochvovedenie no. 11: 51-60 N '62.

HUMUS (Continued)

Importance of bacteria and fungi in the formation of humus [with summaries in English, German, and French]. F.I.U. Gel'tser. Vest. sel'khoz. nauk. 7 no. 5:134-141 My '62.

HUNGARY—AGRICULTURE

Fraternal aid to the village. Jozsef Juhasz. Sov. profsojuzy 18 no. 24:35 D '62.

HUNGARY—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Apartment house for 80,000 persons; a construction project of our Hungarian friends. Tekh. mol. 30 no. 12:20-21 '62.

HUNGARY—BIBLIOGRAPHY

[New literature on Hungary] Nov. lit. po Veng. nos. 10-11 '62.

HUNGARY—BOOKSELLERS AND BOOKSELLING

At the Congress of Hungarian Cooperatives. Sandor Varga. Sov. knizh. torg. 14 no. 10:44 '62.

HUNGARY—CLIMATE

"Climatic atlas of Hungary" [in Hungarian]. Reviewed by N.I. Guk, E.S. Rozova. Izv. Vses. geog. ob-va 94 no. 5:535-537 N-D '62.

HUNGARY—CONGRESSES

Symposium on radiochemistry. A.S. Kuz'minskii. Nauch. i rez. 21 no. 12:51-53 D '62.

HUNGARY—COOKERY

New method of thermal processing of food products. Obshchestv. pit. no. 12:59-60 D '62.

HUNGARY—ECONOMIC CONDITIONS

"Report of the Central Committee of the Hungarian Socialist Workers' Party to its Eighth Congress" by Janos Kadar. Translated from the Hungarian. Reviewed by V. Mikheev. Kommunist 39 no. 2:115-118 Ja '63.

HUNGARY—EDUCATION, HIGHER

Let the facts speak! Janos Berecz. Vses. stud. nov. 16 no. 5:613, 10 My-Je '62.

HUNGARY—FOREIGN RELATIONS—RUSSIA

Our treaty. Janos Peter. Nov. vrem. 20 no. 7:3 F '63.

HUNGARY—LABOR COURTS

The fellow workers' court is in session. Tibor Pete. Sov. deput. trud. no. 1:105-106 Ja '63.

HUNGARY—LAW SCHOOLS

Legal education in the Hungarian People's Republic. K. Tibor, V. Chugunov. Izv. vys. ucheb. zav. prav. 6 no. 4:189-193 '62.

HUNGARY—MOTION-PICTURE PLAYS

Conflicts and reality. Erwin Dertian. Isk. kino no. 10: 128-133 O '62.

HUNGARY—POLITICS AND GOVERNMENT

Magyar Szocialista Munkaspárt. Központi Bizottság. [Report of the Central Committee of the Hungarian Socialist Workers' Party to the Eighth Congress of the party] Otchetnyi doklad Tsentral'nogo Komiteta Vengerskoi sotsialisticheskoi rabochei partii VIII s'ezdu partii [By] Janos Kadar. Moskva, Gospolitizdat, 1963. 70 p. National unity under socialism: an interview with Gyula Ortutay. Nov. vrem. 20 no. 8:18-19 F '63.

HUNGARY—PUBLIC HEALTH

With us in Hungary. Gyula Vilmon. Zdorov'e 8 no. 12: 25-26 D '62.

HUNGARY—PUBLIC HEALTH—STATISTICS

Public health statistics in the Hungarian People's Republic. Geza Han. Zdrav. Ros. Feder. 6 no. 12:26-28 D '62.

HUNGARY—SAUSAGES

Research connected with the technology and biochemistry of smoked hard sausage. D. Karpalyi. Mias. ind. SSSR 33 no. 6:54-48 '62.

HUNGARY—TRADE UNIONS

Fraternal aid to the village. Jozsef Juhasz. Sov. profsojuzy 18 no. 24:35 D '62.

HUNGARY—REVOLUTION, 1956

End of the "Hungarian question." Nov. vrem. 20 no. 3: 2 Ja '63.

HUNGARY—UPRISING OF 1848-1849

"Alliance of the Hapsburgs and Romanovs; the diplomatic prehistory of Russian intervention in Hungary in 1849" [in Hungarian] by E. Andica. Reviewed by I. I. Orlik. Vop. ist. 38 no. 1:158-160 Ja '63.

HUNG

"Northern Huns" [in Mongolian] by TS. Dorzhasuren. Reviewed by S. Vainshtein, V. Vokov. Sov. etn. no. 6:179-182 '62.

HWANG HO VALLEY—FLOODS

Methodology of calculating hydrographs of rain-caused floods as exemplified in the middle Hwang Ho Basin. Chiehao Ka-tszin [Chao K'o-ching]. Trudy Len. gidromet. inst. no. 11:189-197 '61.

HYALURONIDASE

Hyaluronidase activity of the blood serum in nephritis and its change under the influence of hormone therapy. A. S. Chizh. Zdrav. Bel. 8 no. 12:24-27 D '62. Importance of the hyaluronidase system - hyaluronic acid in the permeability factor of the vascular wall in hemorrhagic diatheses. T. A. Gurinovich, Z. N. Atrakhovich. Zdrav. Bel. 8 no. 12:22-24 D '62.

HYBRID CORN see subdivision under Kuybyshev Province

HYBRIDIZATION, VEGETABLE

Hybrid of Jerusalem artichoke with sunflower in Novgorod Province. R. V. Karishnev. Agrobiologiya no. 6: 83d N-D '62.

HYDRACARENA see subdivision under Karelia; Leningrad Province

HYDRANTS

The new fire hydrant. A. Litov. Pozh. delo 9 no. 1: 5-6 Ja '63.

HYDRAULIC CONTROL

Akademii nauk SSSR. Institut avtomatiki i telemekhaniki. [New developments in pneumatic and hydraulic control] Novoe v pnevmo-gidravlicheskoj avtomatike. Moskva, Izd-vo Akad. nauk SSSR, 1962. 158 p. Characteristics of marine turbine speed regulators. M. A. Lekakh. Trudy TSNIIMF 8 no. 44:84-90 '62.

Concerning the effect of liquid viscosity in a hydraulic pipeline on its dynamic characteristics [with summary in English]. G. S. Babenko, A. M. Smirnov. Avtom. i telem. 24 no. 1:112-115 Ja '63. Determination of the principal control parameters of a hydromechanical controller for loading a grain harvesting combine. G. S. Ioffe. Mekh. i elek. sots. sel'khoz. 20 no. 6:35-37 '62.

HYDRAULIC CONVEYING

Accuracy of measuring the density of hydraulic mixtures with radiodensitometers and the methodology of taring and controlling the operation of the instruments. I. I. Buldakov. Nauch. soob. IGD 14:150-154 '62. Coefficient of efficiency of hydraulic hoists for deep mines. A. G. Frolov. Mekh. i avtom. v gornoi prom. no. 2:185-190 '62. Hydraulic conveying of distiller's grain in breweries. M. M. Korobov. Spirt. prom. 28 no. 8:18-19 '62. Methodology of determining the optimum parameters of cyclical action feeders. E. K. Reshetnev. Nauch. soob. IGD 14:134-141 '62. The problem of hydraulic transportation of clay. A. D. Gusearov, I. U. F. Mel'nikov. Sbor. trud. NIIZHelezobetonov no. 7:155-163 '62. Some problems of the working and hydraulic conveying of heavy cohesive soils. M. A. Ballavskii, L. A. Katsnel'son. Blud. tekhn. inform. inst. "Proektgidromekh." no. 1:39-46 '62. Traveling speed of ball-shaped bottom sediments in a water current. R. G. Danellia. Trudy Gruz NIIGM no. 21:271-278 '60.

HYDRAULIC CONVEYING—EQUIPMENT AND SUPPLIES

Loading apparatus for high-pressure hydraulic conveying of coal, ore, and overburden rocks. V. A. Romanenko. Gor. zhur. no. 1:77 Ja '63. Serymnikov, V. E. [Survey of designs of loading units (feeders) in pressure hydraulic conveying] Obzor skhem zagruzochnykh ustroist (pitatelei) pri napornom gidrotransporte. Moskva, TSentr. in-t tekhn. informatsii ugo'noi promyshl. 1962. 31 p. (Seria: "Tekhnologiya i ekonomika podzemnoi dobychi uglia") [MICROFILM]

HYDRAULIC ENGINEERING

(see also subdivision under Georgia; Volga-Baltic Sea Waterway)

Formation of river beds at water intake structures on mountain and foothill sections of rivers. N. F. Danellia. Trudy Gruz NIIGM no. 21:37-48 '60. From the pages of foreign magazines. Gidr. stroi. 33 no. 12:47-52 D '62. "Handbook on hydraulic calculations for small engineering structures and channels" by L. V. Butkov, B. O. Zak. Reviewed by L. G. Rabukhin. Transp. stroi. 12 no. 12: 56 D '62. Increase the rate of technological progress in construction of sea and river harbors. K. K. Ivanov. Transp. stroi. 12 no. 12:1-3 D '62. On the occasion of the twenty-fifth anniversary of the Moscow Canal. G. D. Petrov. Gidr. stroi. 33 no. 12: 53-55 D '62. Prediction of the duration of gypsum leaching from soils at the foundations of dams and curtains. M. N. Terletskaya. Trudy Gruz NIIGM no. 21:99-108 '60. Using hydraulic engineering machinery in stripping operations at quarries of rock, gravel and sand for construction. N. B. Bondrimer. Blud. tekhn. inform. inst. "Proektgidromekh." no. 1:11-16 '62.

HYDRAULIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Hydraulic engineering

HYDRAULIC ENGINEERING—CONGRESSES

Conference on problems of hydraulic engineering machinery; informative report. M. A. Berger. Blud. tekhn. inform. inst. "Proektgidromekh." no. 1:60-61 '62.

HYDRAULIC ENGINEERING—PERIODICALS

Conference of readers of the magazine. Gidr. stroi. 33 no. 12:58-59 D '62.

HYDRAULIC ENGINEERING—RESEARCH

Leningrad. Vsesoluznyi nauchno-issledovatel'skii institut gidrotekhniki. [The V. E. Vedenev All-Union Hydraulic Engineering Research Institute] Vsesoluznyi nauchno-issledovatel'skii institut gidrotekhniki imeni V. E. Vedeneva. Moskva, Gos. energ. izd-vo, 1962. 41 p. [MICROFILM]

HYDRAULIC JACKS

Creation of vertical ship raising rigs with continuously operating hydraulic jacks. N. A. Kalinin. Sudostroenie 28 no. 10:48-54 O '62. The "DG-10" hydraulic jack. V. V. Fomin. Put' i put. khoz. 6 no. 12:18-19 '62. Improve the quality of track maintenance equipment. P. V. Vasil'kov. Put' i put. khoz. 6 no. 12:20-21 '62.

HYDRAULIC MINING

Determination of the volume and the rate of transfer of reservoirs on hydraulic filling apparatus. V. V. Dobrovol'skii. Mekh. i avtom. v gornoi prom. no. 2:107-118 '62. Filling with rocks from hydraulic overburden stripping in the Zyryanovsk Mine. R. M. Gamburg, V. G. Koltov. Gor. zhur. no. 5:25-27 My '62. For extensive introduction of hydraulic engineering machinery into the industry of rock, gravel and sand for construction. N. D. Kholin. Blud. tekhn. inform. inst. "Proektgidromekh." no. 1:1-4 '62. Kholin, N. D., ed. [Hydraulic engineering machinery at rock, gravel and sand quarries for construction materials] Gidromekhanizatsiya na kar'erakh nerudnykh stroitel'nykh materialov. Moskva, Gosstroifizdat, 1962. 143 p. Protsai, F. I. [Economics and production organization in underground hydraulic coal mining] Ekonomika i organizatsiya proizvodstva pri podzemnoi gidrodobyche uglia. Moskva, Gosgortekhnizdat, 1962. 226 p.

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Increasing the longevity of hydraulic giant nozzles in underground hydraulic coal mining. S. P. Turchaninov. Mekh. i avtom. v gornoi prom. no. 2:116-127 '62.

HYDRAULIC MODELS

Three-dimensional modeling for constructing flow plans. A. A. Golutashvili. Trudy Gruz NIIGM no. 21:183-184 '60. Using models to study channel processes during continuous lowering of the index of the river's level of erosion. A. K. Anan'ian. Gidr. stroi. 33 no. 11:37-39 N '62.

HYDRAULIC PRESSES

AFA-1A-type automatic molding unit. N. I. Naiguz, A. F. Shumarenko. Kuz.-shtam. proizv. 4 no. 12:29-33 D '62. New P043 and 11030 presses. N. I. Naiguz. Mashino-stroenie no. 5:14-16 S-O '62. Single span hydraulic press. I. A. Serobob. Dor. prom. 11 no. 12:25 D '62. Use of electric contact manometers in diagrams of noncontact control of hydraulic presses. A. M. Gol'khover, V. M. Levitov. Kuz.-shtam. proizv. 4 no. 12:34-36 D '62.

HYDRAULIC STRUCTURES

The compressible stratum of soil foundations of hydraulic structures according to data obtained by actual observations of settling. I. K. Samarin. Osn., fund. i mekh. gran. 4 no. 6:7-10 '62. Effect of the properties of loose soil on the wash-out behind a horizontal footing with different roughness. K. A. Suleimenov. Izv. AN Kazakh. SSR. Ser. energ. no. 2:107-112 '62. Examples of modeling local wash-out in the lower race of hydraulic structures constructed on loose soils. N. N. Surova. Izv. AN Kazakh. SSR. Ser. energ. no. 2: 113-127 '62. From the pages of foreign magazines. Gidr. stroi. 33 no. 11:52-57 N '62. Mesh energy dissipators which are triangular in the plane. G. A. Petrov. Gidr. stroi. 33 no. 12:37-39 D '62. Principles of the assembly-line construction of hydroelectric developments. A. L. Filakhtov. Gidr. stroi. 33 no. 12:8-9 D '62. Probable calculation of a distribution curve for the period of exploitation of hydraulic structures. V. F. Kriukov. Trudy Len. gidromet. inst. no. 11:180-188 '61. Using the resistance method in electric prospecting for hydraulic engineering construction in permanently frozen ground. V. P. Dobrovol'skii. Merz. issl. no. 1: 190-207 '61.

HYDRAULIC STRUCTURES—CONGRESSES

Coordinating conference on the problems of actual studies of hydraulic engineering structures. V.V. Binkov, M.A. Kuznetsova. *Gidr.stroi.* 33 no.11: 59-60 N '62.

HYDRAULIC TURBINES

Cavitation near the hub and pressure fluctuations in a turbine draft pipe. I.V. Kotenev, K.K. Shal'nev. *PMTF* no.2:50-71 Mr-Apr '62.

Determination of the turning force of rotor blades in the presence of decelerative braking. V.M. Malyshev. *Energomashinostroenie* 8 no.11:17-20 N '62.

Study of abrasion resistance of hydraulic turbine materials. N.I. Pyinaev. *Energomashinostroenie* 8 no.11: 33-36 N '62.

Study of the strength and rigidity of the rotor wheel blades of Francis-type hydraulic turbines. V.A. Kovalenko. *Energomashinostroenie* 8 no.12:10-13 D '62.

Supercavitating hydraulic turbines. G.D. Ter-Akopov. *Izv. AN Arm. SSR, Ser. tekhn. nauk* no.4:25-36 '61.

Welded joints fastening the active steel of hydrogenerator stators. B.A. Kartashkin. *Vest. elektrom.* 34 no.1:39-43 Ja '63.

HYDRAULIC TURBINES—HANDBOOKS, MANUALS, ETC.

"Installation and repair of hydraulic turbines" by I.A. F. Fitterman. Reviewed by M.I. Gal'perin. *Energomashinostroenie* 8 no.12:42-43 D '62.

HYDRAULIC TURBINES—MAINTENANCE AND REPAIR

"Installation and repair of hydraulic turbines" by I.A. F. Fitterman. Reviewed by M.I. Gal'perin. *Energomashinostroenie* 8 no.12:42-43 D '62.

HYDRAULICS

Free surface curve during flow in a horizontal prismatic channel. G.A. Gachechiladze. *Trudy Gruz. NIKHIM* no.21:303-308 '60.

Method of making hydraulic calculations for a spillway dam with energy dissipation in several jets on slotted discharge. M.E. Faktorovich. *Gidr.stroi.* 33 no.11: 38-41 N '62.

Universal method of constructing curves of the free surface in open channels. G.A. Dzhamsheli. *Gidr.stroi.* 33 no.12:40-41 D '62.

HYDRAZINE

Chemistry of free radicals of the hydrazine series. Part 7: Synthesis of α -diphenyl- β -2, 6-dinitro-4-sulphophenylhydrazyl and α , α -diphenyl- β -2, 4-dinitro-6-sulphophenylhydrazyl. M.A. Ikrina, R.O. Matevosian, Zhur.ob.khim. 32 no.12:3952-3957 D '62.

Electron paramagnetic resonance in solutions of some free radicals of the phosphonohydrazyl series. A.E. Arbutov and others. *Dokl. AN SSSR* 147 no.4:4039-4042 D '62.

Raman spectrum and infrared absorption spectrum of liquid deuterated hydrazine N_2D_4 . I.U. I. Kotov, V.M. Tatevskii. *Opt. i spekt.* 13 no.8:855-857 '62.

Spectral analysis of the interaction between dyes and hydrazine. A.T. Vartanian. *Izv. AN SSSR. Ser. fiz.* 27 no.1:37-41 Ja '63.

HYDRAZINE—TOXICOLOGY

Toxicological characteristics of hydrazine. N.K. Kulagina. *Toks. nov. prom. khim. veshch.* no.4:63-61 '62.

HYDRAZO COMPOUNDS

Diazophosphinic and hydrazodiphosphinic esters. A.N. Pudovik, T.M. Moshkina, V.P. Khramtsova. *Zhur.ob.khim.* 33 no.1:94-97 '63.

HYDRAZONES

Reactions of hydrazine derivatives. Part 34: Transformations of benzyl hydrazones during heating with acid agents. A.N. Kost, R.S. Sagitullin. *Zhur.ob.khim.* 33 no.1:237-244 '63.

HYDRIDES

Relation between triethyl oxonium fluoroborate and hydride-ion donors. Z.N. Parnes, N.K. Baranetskaia, D.N. Kuranov. *Izv. AN SSSR. Otd. khim. nauk* no.12: 2236-2240 D '62.

HYDROAROMATIC COMPOUNDS

Photodepolarization in some crystals of aromatic hydrocarbons. V.M. Fridkin, G.S. Belikova. *Fiz. tver. tela* 5 no.1:356-358 Ja '63.

HYDROCARBONS

(see also subdivision under Georgia; Neftchala region)

Absorption of hydrocarbons from binary solutions on silica gel [with summary in English]. A.V. Kiselev, I.V. Shukajeva. *Koal. zhur.* 24 no.6:687-695 N-D '62.

Aromatization of binary alkane-cycloane mixtures on a platinum catalyst. I.U. Ussov, N.I. Kuvshinova, S.M. Ivanova. *Neftkhimija* 2 no.6:666-669 S-O '62.

Chromatographic determination of impurities of C_4 hydrocarbons in the methane-hydrogen fraction. P.E. Tulupov. *Zav. lab.* 28 no.12:1430-1431 '62.

Diffusion coefficients of some binary mixtures of vapors of some hydrocarbons and air. R.U. D. Vasilevskaja. *Teplo- i massop.* 1:191-195 '62.

Effect of some variables on the precision of cryoscopic analysis of hydrocarbons. N.I. Lisahkevich. *Neftkhimija* 2 no.5:795-801 S-O '62.

Isotherms and heats of adsorption of vapors of aromatic hydrocarbons on silica gel. A.V. Kiselev, B.A. Frolov. *Kin. i kat.* 3 no.5:774-783 S-O '62.

Origin of natural hydrocarbons of the earth. M.S. El-genson. *Trudy Inst. geol. pol. iskop. AN URSS* 5:89-100 '62.

Study of the mechanism of hydrogenation of acetylenic hydrocarbons on a skeletal nickel catalyst. L. Kh. Freidlin, I.U. Kaup. *Izv. AN SSSR. Otd. khim. nauk* no.1:166-170 '63.

HYDROCARBONS—SPECTRA

Studying the fine structure of fluorescence spectra of some polycyclic aromatic hydrocarbons as a method of carcinogen analysis. P.P. Dikun. *Izv. AN SSSR Ser. fiz.* 27 no.1:9-11 Ja '63.

HYDROCARBONS—TOXICOLOGY

Toxicity of the gaseous mixture of hydrocarbons with a quantitative preponderance of saturated compounds. N.K. Kulagina. *Toks. nov. prom. khim. veshch.* no.4: 8-19 '62.

HYDROCHLORIC ACID

Decomposition of thienito concentrates by gaseous hydrogen chloride. E.P. Beliakova, A.A. Dverniakova. *Titan i ego splavy* no.8:124-134 '62.

HYDROCYANIC ACID

Determining prussic acid in sorgo [with summaries in English, German, and French]. A.F. Syasov. *Vest. sel'khoz. nauk* 7 no.10:110-112 O '62.

Formation of hydrogen cyanide in the adiabatic compression of methane mixtures with ammonia. D.S. TSiklis, M.D. Borodina. *Dokl. AN SSSR* 147 no.4: 860-862 D '62.

HYDRODYNAMICS

Analytical methods of determining the depth of a compressed flow under conditions of a plane problem and the critical depth in a trapezoidal channel. A.I. Kostin. *Gidr.stroi.* 33 no.11:41-43 N '62.

Apparent additional mass of an elliptic cylinder moving in a fluid bounded by a plane wall or a free surface [with summary in English]. V.S. Sabaneev. *Vest. LGU* 18 no.1:115-123 '63.

Approximate integration of equations of a laminar boundary layer on a porous surface in an incompressible fluid. L.F. Kozlov. *PMTF* no.5:121-127 S-O '62.

Convective diffusion in porous media taking adsorption into account. E.A. Bondarev, V.N. Nikolaevskii. *PMTF* no.5:120-134 S-O '62.

Development of turbulent round and laminar jets in a countercurrent [with summary in English]. E. Timma. *Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk* 11 no.4: 253-262 '62.

Effect of Archimedean forces on liquid flow and heat transfer in a channel formed by vertical rotating coaxial cylinders in the case of axial motion of the liquid. E.P. Zimin. *PMTF* no.2:123-125 Mr-Apr '62.

Effect of the wall on the collapsing of cavitation hollows [with summary in English]. G.A. Khorochev. *Inzh. - fiz. zhur.* 8 no.1:50-55 Ja '63.

Formulation of the problem of viscous-plastic flow past solid bodies. V.P. Miasnikov. *PMTF* no.4:52-59 Ji-Ag '62.

Heat transfer in turbulent flow of a low Prandtl-number coolant in a tube. L.S. Kokorev, V.N. Riaposov. *PMTF* no.2:42-49 Mr-Apr '62.

Hydrodynamic instability and the appearance of turbulence; review. A.S. Monin, A.M. Lagdon. *PMTF* no.5:3-38 S-O '62.

Internal waves in an inhomogeneous liquid. A.M. Ter-Krikorov. *Prikl. mat. i mekh.* 26 no.6:1087-1076 N-D '62.

Local heat transfer to mercury in an annular channel with sinusoidal heat load distribution. *PMTF* no.4: 114-116 Ji-Ag '62.

Mechanisms underlying evaporation and viscous flow and the structure of condensates [with summary in English]. G.M. Martynkevich. *Ukr. fiz. zhur.* 7 no.6: 880-874 Ag '62.

On certain low-frequency oscillations of a liquid layer in an elastic medium. P.V. Krauklis. *Prikl. mat. i mekh.* 26 no.6:1111-1115 N-D '62.

Plane motion of a ship exposed to wind [with summary in English]. A.P. Vorob'ev. *Vest. LGU* 18 no.1:90-95 '63.

Solutions to the inverse problems of unsteady motion of a viscoplastic fluid. G.T. Gasanov, A. Kh. Mirzazhanzade. *PMTF* no.5:117-120 S-O '62.

Stability of rotation of a stationary rotating hydraulic channel. G.K. Pozharitskii. *PMTF* no.4:119-120 Ji-Ag '62.

Stability of the rotation of a solid body having an ellipsoidal cavity filled with liquid. F. Kh. Tsel'man. *Prikl. mat. i mekh.* 26 no.6:1128-1130 N-D '62.

Wave flow of thin layers of a viscous fluid. L.N. Maurin, V.S. Sorokin. *PMTF* no.4:60-67 Ji-Ag '62.

Wave resistance and lifting capacity of a plane contour of arbitrary shape in unsteady motion below a free surface. A.N. Shebalov. *Prikl. mat. i mekh.* 26 no.6: 1104-1111 N-D '62.

HYDRODYNAMICS—MATHEMATICAL MODELS

A mathematical model of discontinuous flows of an incompressible fluid. M.A. Gol'denik. *Dokl. AN SSSR* 147 no.6:1310-1313 D '62.

HYDROELECTRIC POWER

(see also subdivision under White Russia)

Fuel which can be replaced by hydroelectric power in districts of the European part of the U.S.S.R. and the Ural Mountain region. V.F. Moskvina. *Gidr.stroi.* 33 no.11:30-33 N '62.

Water-power computations on digital computers. A. Sh. Reznikovskii, A.L. Veltkanov, I. I. Solov'eva. *Gidr.stroi.* 33 no.12:26-28 D '62.

HYDROELECTRIC POWER STATIONS

(see also subdivision under Georgia; Uzbekistan; see also Chirko Hydroelectric Power Station; Kramonchug Hydroelectric Power Station; Mamakan Hydroelectric Power Station; Pivnina Hydroelectric Power Station; Salekhard Hydroelectric Power Station; Saratov Hydroelectric Power Station; Volga Hydroelectric Power Station, (Lenin); Volga Hydroelectric Power Station, (22d Congress of the CPSU); Volkhovsk Hydroelectric Power Station)

At hydraulic engineering construction sites. *Gidr.stroi.* 33 no.11:43 N '62.

Economically justified hydroelectric power construction at a new stage. M.P. Feid'man. *Gidr.stroi.* 33 no.12:22-25 D '62.

Goloviznin, V.A., and P.M. Siyts'ko. [Labor input and cost of concrete work in hydraulic engineering construction] *Trudomkost' i sebestoimost' betonnykh rabot v gidrotekhnicheskoi stroitel'stve*, Moskva, Gosenergizdat, 1962, 150 p.

The possibility of using the bottom sluices of modern hydroelectric power stations as fishways. Z.M. Klipper, L.M. Nusenbaum. *Gidr.stroi.* 33 no.11:47-48 N '62.

Problems of planning and developing industrial and residential areas near large hydroelectric plants. V. Musatov. *Arkhiv. SSSR* no.12:20-33 '62.

Ways to lower excess excavation of rock in the construction of hydraulic tunnels. N.D. Charkhal'shchik. *Gidr.stroi.* 33 no.12:4-7 D '62.

HYDROELECTRIC POWER STATIONS—CONCRETE CONSTRUCTION

"Inspecting the quality of concrete work in construction of the arch dam of the Ladzhanuri Hydroelectric Power Station" by P.P. Tsubukidze. Reviewed by G.D. Petrov. *Gidr.stroi.* 33 no.11:62 N '62.

HYDROELECTRIC POWER STATIONS—EQUIPMENT AND SUPPLIES

Redesigning of the drive of the MKP-274 switch. N.V. Nikolaeva, V.M. Alekhin. *Energetik* 11 no.1:20-22 Ja '63.

HYDROELECTRIC POWER STATIONS—WATER SUPPLY

Calculation of the annual operating modes of hydroelectric power stations with seasonal regulation under conditions of high water flow. S.B. Elakhovskii. *Elek. stn.* 33 no.10:49-56 O '62.

HYDROFLUORIC ACID

Vapor pressure of hydrogen chloride over the system KF, HF with additions of fluoride salts. I.U. Ussova, A.F. Alabyshiev. *Zhur. fiz. khim.* 36 no.12:2772-2774 D '62.

HYDROGEN

An attempt to discover the 21 cm. hydrogen radio emission line of galaxy clusters in Corona Borealis and Gemini. N.S. Kardashev. *Astron. teir.* no.224: 13-15 Ag '61.

Device for sampling liquid metals for hydrogen by means of evacuation. E.S. Levin, K.T. Kurochkin, P.V. Umrikhin. *Zav. lab.* 28 no.12:1530-1531 '62.

Energy losses of strongly interacting particles passing through hydrogen [with summary in English]. I.U. L. Vartanian. *Zhur. eksp. i teor. fiz.* 43 no.6:2143-2146 D '62.

Experiments with atomic hydrogen. M.N. Kontukhov, V.S. Polosin. *Khim. v shkole* 17 no.6:63-65 N-D '62.

Preparation of hydrogen and potassium permanganate by the anodic solution of ferromanganese. R.I. Agladze, M.IA. Gdzelskii. *Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:8-11 '62.

Relation between hydrogen overvoltage and the ampere-hour capacity of porous iron electrodes. V.S. Porolova, O.L. Rozenzall. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 5 no.6:788-792 '62.

Thermal and physical properties of hydrogen. *Energomashinostroenie* 8 no.12:47-48 D '62.

HYDROGEN—SPECTRA

Hydrogen atoms in the zone of a rarefied hydrogen flame. V.N. Panfilov. *Kin. i kat.* 3 no.5:643-650 S-O '62.

HYDROGEN—THERMAL PROPERTIES

Thermal and physical properties of hydrogen. *Energo-mashinostroyeniye* 8 no.12:47-48 D '62.

HYDROGEN BONDING

Hydrogen bonding and the static dielectric permittability of organic liquids [with summary in English]. A. E. Lutsik, S. A. Mikhailenko. *Ukr. fiz. zhur.* 7 no. 8: 812-816 Ag '62.

Nature of forces in a hydrogen bond. A. E. Lutsik. *Zhur. ob. khim.* 32 no.12:4089-4101 D '62.

HYDROGEN-ION CONCENTRATION

Eremenko, B. A., and others. [Measurement and control of hydrogen ion concentration (pH) in the products of sugar manufacture] *Izmereniye i regulirovaniye kontsentratsii vodorodnykh ionov (pH) v produktakh sakharinogo proizvodstva*. Kiev, Tsentr. nauchno-issl. in-t sakharnoi promyshl., 1959. 46 p.

[MICROFILM]

Oxidation reactions of ferrocyanide by some oxidizing agents as dependent on pH of the medium. P. A. Epik, F. I. Perehlik. *Izv. vuz. ucheb. zav. khim. i khim. tekhn.* 5 no. 5:703-708 '62.

HYDROGEN PEROXIDE

Catalytic activity of organic polymers. Part 4: Catalytic activity of chelate polymers in the reaction of hydrogen peroxide decomposition. N. P. Keler, M. G. Troitskaya, E. G. Rukhadze. *Kin. i kat.* 3 no. 5:691-697 S-O '62.

Development of the production of hydrogen peroxide. V. I. Franchuk, V. F. Kosareva. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 12:79-81 '62.

Kinetics of hydrogen peroxide consumption in the oxidation of cyclohexanol. E. T. Denisov, V. V. Kharitonov. *Neftekhimiya* 2 no. 5:760-765 S-O '62.

Oxidation of anabasine by hydrogen peroxide. I. A. L. Goldfarb, F. D. Alashov, V. K. Zvorykina. *Izv. AN SSSR, Otd. khim. nauk* no. 12:2209-2216 D '62.

HYDROGEN PEROXIDE—SPECTRA

Electron paramagnetic resonance spectra of HO_2 , OH , DO_2 , and OD radicals. S. D. Kalitazov, A. M. Prekhorov. *Fiz. tver. tela* 5 no. 1:347-348 Ja '63.

HYDROGENATION

Catalytic and electrolytic hydrogenation of organic compounds on platinum. Part 3: Charging curves of a platinum in the presence of propyl alcohol. T. I. Pochekaeva. *Zhur. fiz. khim.* 36 no. 12:2761-2754 D '62.

Catalytic hydrogenation of 3-sulfonolene. A. V. Maslitskaya, A. V. Khramov, V. I. Chernov. *Kin. i kat.* 3 no. 5:742-746 S-O '62.

From the work experience of Vinnitsa Oil and Fat Combine. B. F. Ermakov, A. P. Rabota, E. O. Verner. *Masl. -zhir. prom.* 28 no. 12:27-28 D '62.

Mechanism of the hydrogenation of isoprene and its binary mixtures with isomylene. L. Kh. Fredlin and others. *Neftekhimiya* 2 no. 5:670-675 S-O '62.

Purification of hydrogen from sulfur compounds. B. N. Chubridze, V. I. Brokhov. *Masl. -zhir. prom.* 28 no. 12:24-26 D '62.

Reactions of fluoro olefins. Report No. 15: Catalytic hydrogenation of perfluorocyclobutene. I. I. Kauntants. *Izv. AN SSSR, Otd. khim. nauk* no. 12:2141-2145 D '62.

Reactions of hydrazine derivatives. Part 30: Hydrogenation of 1-acylpyrazolines and preparation of pyrazolidines. A. N. Kost, G. A. Golubeva. *Zhur. ob. khim.* 33 no. 1:248-252 '63.

Study of the mechanism of hydrogenation of acetylenic hydrocarbons on a skeletal nickel catalyst. L. Kh. Fredlin, I. U. Knop. *Izv. AN SSSR, Otd. khim. nauk* no. 1:166-170 '63.

HYDROLOGY

(see also subdivision under Raut Valley, Moldavia)

Eroding and noneroding speeds of water flow for bound soils. TS. E. Mirtskhulava. *Trudy Gruz NIIGIM* no. 21:61-76 '60.

In institutions of the Hydrometeorological Service. *Meteor. i gidrol.* no. 1:59-61 Ja '63.

Mechanics of the movement of bottom sediments and the distribution of velocities in the bottom layer. TS. E. Mirtskhulava. *Trudy Gruz NIIGIM* no. 21:293-302 '60.

Velocity distribution in a two-phase turbulent flow. T. A. Nemsadze. *Trudy Gruz NIIGIM* no. 21:225-232 '60.

Waveless profiles of streams. K. I. Arsenishvili. *Trudy Gruz NIIGIM* no. 21:188-202 '60.

ovskaya, Vest.

phenomena]
osfero; trudy
12-26 no. 13
7, 1962. 183 p.
ROFILM]

phenyldichloro-
I. N. Zhuravova, A. V. Kirsanov,
I. N. 1:182-188 '63.

Chemistry of acetals. Report No. 13: Hydrolysis of some diacetals studied by means of gas-liquid chromatography. L. A. Ivanovskaya and others. *Izv. AN SSSR, Otd. khim. nauk* no. 12:2189-2196 D '62.

Hydrolytic stability of polyorganoborosiloxanes. K. A. Andrianov and others. *Plast. massy* no. 12:25-27 '62.

Preparation of isoprene from dimethyldioxane. Part 2: Hydrolysis of 4-alkyl-1,3-dioxanes. Zh. Gershovich and others. *Zhur. ob. khim.* 32 no. 12:3890-3902 D '62.

HYDROMECHANICS see Fluid mechanics

HYDROMETALLURGY

Battery of continuously operating digesters with air blast agitation. P. I. Vol'pin, A. I. Dem'ianenko, A. I. Lipanov. *TSvet. met.* 35 no. 9:86-89 S '62.

Decantation processes in the hydrometallurgy of uranium. I. A. Akubovich. *Atom. energ.* 14 no. 2:200-212 F '63.

Obtaining titanium dioxide by the treatment of slags from the smelting of titanium-magnetite sinters. F. A. Irkov, V. A. Reznichenko. *Titan i ego splavy* no. 8:119-123 '62.

Recovery of rare earth metals by the extraction method. I. N. Plaksin, K. F. Barysheva, A. V. Astaf'eva. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl.* no. 6:185-191 N-D '62.

HYDROMETALLURGY—EQUIPMENT AND SUPPLIES

Experimental use of titanium in hydrometallurgy. V. B. Zhilkin. *Titan i ego splavy* no. 8:273-278 '62.

HYDROMETEOROLOGY see subdivision under Apeheron Peninsula

HYDROMETER

New electrohydrometric devices. V. F. Lobko. *Avtom. i prib.* no. 4:65-68 O-D '62.

HYDROPEROXIDE

Radiochemical investigation of the reaction of cumene hydroperoxide with cumene. M. R. Leonov, B. A. Redoshkin, V. A. Shushunov. *Zhur. ob. khim.* 32 no. 12:3859-3862 D '62.

HYDROPLANE BOATS

Across the water on wings. A. Panchenkov. *Nauka i zhytiya* 12 no. 11:36-37 N '62.

Running over waves. V. Kirshin. *Znan. -slia* 37 no. 11:48 N '62.

HYDROPONICS

(see also subdivision under Moldavia)

Equipment for growing plants in artificial neutral media. R. Akopian. *Tekhn. v sel'khoz.* 22 no. 11:11-15 N '62.

HYDROXYL GROUP

New OH emission in the spectrum of twilight sky. T. G. Megrel'shvi, T. I. Torosheidze. *Astron. tsir.* no. 225:11-12 S '61.

Twilight luminescence of OH. T. G. Megrel'shvi, T. I. Torosheidze. *Astron. tsir.* no. 225:9-10 S '61.

HYGIENE

How to keep well. N. A. Skop'ina. *Zdorov'e* 8 no. 12: 28-29 D '62.

Martynov, Anton. [Plus or minus twenty; a true story...]
20; doctovernia istoriya.... Moskva, Izd-vo "Fizkul'tura i sport," 1962. 49 p.
(DNLM)

HYGIENE, RURAL see Public health, Rural

HYGROMETRY

The EVBP-4 and EVBP-2 electronic hygrometers. A. I. Zhidovitch. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 12:51-52 '62.

Moisture measuring instruments. V. I. Istomin. *Avtom. i prib.* no. 4:74-85 O-D '62.

The PV-5 portable hygrometer. N. S. Dubrov, I. F. Zaitsev. *Priborostroyeniye* no. 12:25-26 D '62.

HYMENOCYCETES see subdivision under Rostov-on-Don

HYPERSPACE

Imbedding theorem for a trace in abstract functions. A. Kh. Gadiev. *Dokl. AN SSSR* 147 no. 4:764-767 D '62.

HYPERTENSION

"Aerolotherapy in hypertension" by F. G. Porinov. Reviewed by A. Skorobogatova. *Izv. AN Latv. SSR* no. 4: 177-178 '61.

Clinical importance of changes in the protein fractions of the blood in hypertension and atherosclerosis. B. A. Onikienko. *Zdrav. Bel.* 8 no. 12:27-28 D '62.

Gavlichek, V. A. [Conditioned defensive dominance as a model of hypertensive state of the organism] *Uloynata oboronitel'naya dominantia kak model' gipertenzivnogo sostoiانيا organizma*. Moskva, Medgiz, 1962. 154 p.
(DNLM)

HYPERTHYROIDISM

Conditioned reflex food and vasomotor reactions of normal dogs and on a background of hyperthyroidism [with summary in English]. K. M. Kalmykova. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:50-60 '61.

Contractile function of the uterus in hyperthyroidism [with summary in English]. E. S. Kuz'menko. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:77-82 '61.

Effect of prolonged hyperthyroidism on the adrenal cortex, thymus and spleen [with summary in English]. V. V. Mamina. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:42-49 '61.

Therapeutic use in myxedema of blood serum from thyrotoxicosis patients [with summary in English]. G. I. Semenova. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:100-110 '61.

HYPERTROPHY

Possibility of the reverse development of the lesions of a hypertrophied heart. S. S. Vail'. *Sbor. trud. inst. khir. AMN SSSR* no. 1:53-60 '62.

HYPOTENSION

Molchanov, N. S. [Hypotensive states] *Gipotonicheskie sostoiانيا*. Leningrad, Medgiz, 1962. 201 p.
(DNLM)

Synthesis of substances with hypotensive action from derivatives of quaternary ammonium bases. Report No. 5: Quaternary salts of 1,6-hexamethylene-bis-(dimethylamine) [with summary in English]. I. B. Simon. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:358-360 '61.

Vascular hypotonia, its form of regional stenosis of the intracranial vessels and its treatment. V. A. Smirnov. *Zdrav. Bel.* 8 no. 12:17-19 D '62.

HYPOTHALAMUS

Effect of extracts of the hypothalamus and the posterior lobe of the pituitary body on the secretion of the luteinizing hormone. I. A. M. Kabak, E. V. Sokolova. *Dokl. AN SSSR* 147 no. 6:1510-1519 D '62.

HYPOTHERMIA

Arteriovenous difference in the concentration of glucose in the blood of the brain in experimental hypothermia. V. A. Bernshtein. *Zdrav. Kazakh.* 22 no. 7:47-51 '62.

Separation of oxidation and phosphorylation at the cessation of the hypothermic state. S. E. Severin and others. *Dokl. AN SSSR* 147 no. 6:1480-1482 D '62.

HYSTERESIS

Hysteresis loop of cobalt-nickel ferrites. T. I. Bulgakova, L. S. Guzel. *Vest. Mosk. un. Ser. 2: Khim.* 16 [i.e. 17] no. 6:60-60 N-D '62.

Temperature hysteresis. N. N. Medvedev. *Teplota i masopar.* 1:205-212 '62.

IAKHONTOV, VLADIMIR VLADIMIROVICH, 1900-

Honoring Professor V. V. Iakhontov. V. I. Sorbinov. *Zashch. rast. ot vred. i bol.* 5 no. 5:62 My '60.

IAKUBINSKAIA-LEMBERG, E. A.

In memory of E. A. Iakubinskaya-Lemberg. P. A. Dmitriev, G. I. Safronov. *Vest. LGU* 17 no. 20:171-172 '62.

IASTREMSKII, BORIS SERGEEVICH, 1877-1962

Boris Sergeevich Iastremskii, obituary. *Vest. stat.* no. 12:77-78 '62.

IAYVINSKII, NATAN ARONOVICH, 1912-1962

The memory of Natan Aronovich Iayvinskii; obituary. *Atom. energ.* 14 no. 2:151-152 F '63.

ICE

(see also subdivision under Anabar Valley; Igarka region; Olenok Valley)

Approximative method of calculating the development of ice. O. A. Kamenskaya. *Trudy Len. gidromet. inst.* no. 11:235-242 '61.

Visual observations of vein ice from the air. A. N. Tolstov. *Trudy Inst. morz. i AN SSSR* 10:125-128 '62.

ICE—MANUFACTURE

Dry ice producer with four membranes. P. B. Grinberg. *Khol. tekhn.* 39 no. 6:55 N-D '62.

ICE AGE see also subdivision 'Glacial epoch' under Amur Valley; Caucasus; East European Plain; Okhotsk Sea region; Transbaikalia

ICE CRYSTALS

Role of thermophoretic and diffusion forces in the process of generation of ice crystals near cold surfaces [with summary in English]. Part 1: Thermophoretic deposition of ice crystals generated near semi-infinite cold plate. S. S. Kukhin, M. I. Kekhtiar. *Koll. zhur.* 24 no. 8:674-677 N-D '62.

ICE INDUSTRY—EQUIPMENT AND SUPPLIES

Selection of the efficient thickness of ice block insulation. P. A. Korobko. *Khol. tekhn.* 39 no. 6:52-53 N-D '62.

ICE ON RIVERS, LAKES, ETC.

(see also subdivision under Ob' River)
Forming holes in the ice by the explosion of a blasting fuse in laying pipelines. B. L. Rodionov, P. L. Tereshchenko. *Transp. stroit.* 12 no. 12:27-28 D '62.

ICE ON RIVERS, LAKES, ETC. (Continued)

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Recommendations for controlling ice formation] Rekomendatsii po bor'be s nalediami. Ust. Gos. komitetom Soveta Ministrov RSFSR po delam stroitel'stva 23 Iunia 1962 g. Moskva, Gosstroizdat, 1962. 41 p.

ICEBOATS

Iceboat for children. Nauka i zhizn' 29 no. 11:112, 3 of cover N '62.

ICHINSKIY VOLCANO

Ichinsky volcano in the central range of Kamchatka. T. I. Marenina. Trudy Lnh. vulk. no. 22:3-66 '62.

ICHNEUMON FLIES see subdivision under Leningrad Province

IGARKA REGION—FROZEN GROUND

Residual vein-polygonal character of peat mounds in the Igarka region. L. S. Khomicheskaya. Trudy Inst. merz. AN SSSR 19:81-84 '62.

IGARKA REGION—FROZEN GROUND—ELECTRIC PROPERTIES

Specific electric conductivity of frozen ground of natural structure from the Igarka region. A. A. Ananin. Merz. issl. no. 1:208-215 '61.

IGARKA REGION—ICE

Microscopic studies of the ice structure in a formation epigenetically frozen in the Igarka region. A. M. Poluektov. Trudy Inst. merz. AN SSSR 19:113-124 '62.

IGARKA REGION—PEAT BOGS

Residual vein-polygonal character of peat mounds in the Igarka region. L. S. Khomicheskaya. Trudy Inst. merz. AN SSSR 19:81-84 '62.

IGARKA REGION—TREES

Mounds surrounding tree trunks and ruptures of trunks. A. P. Tyrtikov. Trudy Inst. merz. AN SSSR 19:102-107 '62.

IGNITION DEVICES see Spark plugs

ILI VALLEY—MOUNDS

The sixth Beashatyr burial mound. K. A. Akishev. Krat. soob. Inst. arkheol. no. 91:61-66 '62.

ILUSHIN, VLADIMIR IVANOVICH

Trainer of marksmen. K. Khotimskii. Voen. znani. 39 no. 1:31 Ja '63.

ILLINOIS—NATURAL RESOURCES—MAPS

"Atlas of Illinois resources." Reviewed by K. A. Sali-shev. Vest. Mosk. un. Ser. 5:Geog. 17 no. 4:77-78 Ji-Ag '62.

ILLITERACY see subdivision under Cuba

ILLUSTRATED BOOKS, CHILDREN'S

For children and youth. Book review by I. U. Rzhevskii. Sov. foto 22 no. 11:27 N '62.
Pictures in children's books. I. Boronetskii. Sov. knizh. torg. 14 no. 10:24-25 '62.

ILMEN', LAKE—FISHERIES

Squared elements. V. Staroverov. Mol. konm. no. 12: 73-77 D '62.

ILMEN' MOUNTAINS—PEGMATITES

Characteristics of the structure and composition of exo-contact alkali pegmatites in the Vishnevyye and Ilmen' Mountains maficite intrusion. G. N. Mukhlidinov, L. I. Kharchenko. Trudy INCRE no. 8:238-248 '62.

ILMEN' PRESERVE—FORESTS AND FORESTRY

Types of swampforests in the Ilmen' Preserve and their dynamics. I. U. Z. Kulagin. Trudy Inst. biol. UFAN SSSR. no. 28:45-56 '62.

ILMENITE

Studying processes of the interaction of ilmenite with titanium monoxide. V. A. Reznichenko, T. P. Ukolova. Titan i ego splavy no. 9:48-54 '62.

ILOVLYA VALLEY—GEOMORPHOLOGY

Geomorphology of the Volga-Ilovlya Interfluvium (contained on sheet M-38-XXI). A. S. Romanov. Uch. zap. SGU 66:201-203 '60.

IMERETIYA—INDUSTRIES

Engineers are coming to the party leaders for guidance. I. Gotsidze. Part. zhizn' no. 2:33 Ja '63

IMIDAZOLE

Synthesis of substances with antithyroid action. "Mercazolil" [with summary in English]. I. B. Simon, I. I. Kovtunovskaya-Levashina. Trudy Ukr. nauch. i med. inst. ekasper. endok. 18:345-349 '61.

Synthesis of substances with antithyroid action. N₁-derivatives of 2-mercaptimidazoles [with summary in English]. I. I. Kovtunovskaya-Levashina. Trudy Ukr. nauch. i med. inst. ekasper. endok. 18:350-355 '61.

IMMUNITY

Bunin, K. V. [Immunity and rational immuno-antibiotic therapy of typhoid fever and dysentery] Immunitet i ratsional'naya immuno-antibiotikoterapiya brizhnoy tifa i dizenterii. Moskva, I-i Mesk. med. in-t im. I. M. Sechenova, 1962. 135 p. (DNLM)

IMMUNOLOGY

Conducting immunobiological research on invertebrates at the White Sea Biological Station. O. E. Viazov and others. Trudy Belomor. biol. sta. MGU 1:262-290 '62.

IMPERIALISM

Pavlov, V. I. [Imperialism and the economic independence of India] Imperializm i ekonomicheskaya samostoyatel'nost' Indii. Moskva, Izd-vo vostochnoi lit-ry, 1962. 229 p.

INAGUA ISLANDS—CRABS

Nocturnal procession (a chapter from "The ocean island", translated from the English). G. Klingel. Vokrug sveta no. 12:40-41 D '62.

INBREEDING

Rare anomaly. L. I. Irzhak, P. N. Shubin. Priroda 52 no. 1:119 '63.

INCENSE CEDAR see subdivision under Askaniya-Nova

INCENTIVES IN INDUSTRY

Improving material incentives. V. Markov. Plan. khoz. 40 no. 2:20-28 F '63.

Laplin, M. N. [V. I. Lenin on the material and moral incentives of labor] V. I. Lenin o material'nykh i moral'nykh stimulakh k trudu. Moskva, Ekonomizdat, 1962. 203 p.

"Lenin on material and ethical incentives to work" by M. N. Laplin. Reviewed by A. Karagin. Kommunist 39 no. 2:118-121 Ja '63.

Lenin's principle of material self-interest and its role in developing collective farm production. M. F. Buniaev. Uch. zap. MGPI 164:3-24 '61.

Material interest, wages, and public funds. M. Mikhailov, G. Eglazarian. Part zhizn' no. 3:42-47 F '63.

The nature of material incentives under socialism. E. A. Lutokhina. Vestn AN SSSR. Ser. hram. nav. no. 4:26-33 '62.

Significance and special features of material self-interest during the gradual transition from socialism to communism. I. I. Poroshkov. Dokl. TSKHA no. 75:289-296 '62.

Vasil'ev, V. G. [Incentive awards for conscientious work] Pooshchrenie za dobrosovestnyi trud. [Moskva] Mosk. rabochii, 1962. 57 p. (Osnovy ekonomicheskikh znani i kazhdomu rabochemu)

INCOME

Methodology of accounting for gross and net incomes. G. Romanchenko. Ekon. sei'khoz. 34 no. 1:25-37 Ja '63.

INCOMPATIBLES (PHARMACY)

Incompatible drugs. M. V. Komendantova. Zdorov'e 6 no. 12:12-13 D '62.

INDANEDICARBOXYLIC ACID

Conjugation factors in cyclic systems. Report No. 4: Regularities in alkaline isomerization of double bonds in Δ¹,4-cyclohexadiene-1,2- and 3a,8-dihydroindan-4,5-dicarboxylic acids. N. I. A. Grigor'eva, V. P. Kuchero. Izv. AN SSSR. Otd. khim. nauk no. 12:2196-2204 D '62.

INDANDIONE

Anticoagulant properties of rhodanic derivatives of 2-substituted indandiones. M. Koptelova. Izv. AN Latv. SSR no. 10:113-119 '62.

Practices in clinical application of the anticoagulant "omefin" of the indandione group. O. Kovsh and others. Izv. AN Latv. SSR. no. 10:129-132 '62.

INDEXING AND ABSTRACTING SERVICES see Abstracting and indexing services

INDIA—AMERICANS

Yankos and stone gods. Oles Benluch. Az. i Afr. seg. no. 1:61-62 Ja '63.

INDIA—COMMUNIST PARTY

By whom and why Indian communists are persecuted. I. A. Nov. vrem. 20 no. 5:14-15 F '63.

INDIA—ECONOMIC ASSISTANCE

Pavlov, V. I. [Imperialism and the economic independence of India] Imperializm i ekonomicheskaya samostoyatel'nost' Indii. Moskva, Izd-vo vostochnoi lit-ry, 1962. 229 p.

INDIA—ECONOMIC CONDITIONS

Pavlov, V. I. [Imperialism and the economic independence of India] Imperializm i ekonomicheskaya samostoyatel'nost' Indii. Moskva, Izd-vo vostochnoi lit-ry, 1962. 229 p.

INDIA—ECONOMIC POLICY

Fifteen years of the independence of India. I. Andreev. Otv. na vop. trud. no. 8:52-59 Ag '62.

INDIA—ETHNOLOGY

Folklore and ethnography of India based on Ivan Pavlovich Minaev's materials and collections. A. T. Abramov. Izv. Vses. geog. ob-va 94 no. 8:523-527 N-D '62.

INDIA—HISTORY—PERIODICALS

"Quarterly review of historical studies," a new Indian periodical. L. A. Gordon. Vop. Ist. 38 no. 1:175-177 Ja '63.

INDIA—RELATIONS (GENERAL) WITH RUSSIA

Fifteen years of the independence of India. I. Andreev. Otv. na vop. trud. no. 8:52-59 Ag '62.

INDIAN FOLKLORE see Folklore, Indian

INDIAN OCEAN—OCEANOGRAPHY—INTERNATIONAL COOPERATION

International expedition in the Indian Ocean. Meteor. i gidrol. no. 1:61 Ja '63.

INDIANS see subdivision under United States

INDICATORS AND TEST PAPERS

Problems of the theory of analytical color reactions with organic reagents. Report No. 3: Mechanism of reactions involving periodic changes in the coloration of some acid-base indicators [with summary in English]. A. I. Cherkasov. Zhur. anal. khim. 17 no. 6:652-659 S '62.

Rapid method of determining calcium oxide in dunite and forsterite. N. M. Baspalov. Ogneupory 27 no. 12:569 '62.

INDIUM—ANALYSIS

Spectrometric study of reagents for the determination of indium [with summary in English]. A. K. Babko, P. P. Kish. Zhur. anal. khim. 17 no. 6:693-699 S '62.

INDIUM ANTIMONIDE

Microhardness anisotropy of InSb. M. S. Ablova, N. N. Feoktistova. Fiz. tver. tela 5 no. 1:364-365 Ja '63.

INDIUM ANTIMONIDE—SPECTRA

Resonance absorption on band carriers in InSb. I. U. A. Bratshevskii, A. A. Galkin, I. U. M. Ivanchenko. Fiz. tver. tela 5 no. 1:358-359 Ja '63.

INDIUM ANTIMONIDE CRYSTALS

Hall coefficient as dependent on the magnetic intensity in InSb crystals doped with Se. V. V. Galvanov, N. L. Karaseva. Fiz. tver. tela 5 no. 1:36-40 Ja '63.

INDIUM COMPOUNDS

Complex compounds of indium of lowest valency. Synthesis and properties of indium dihalide amines. A. P. Kochetkova, V. G. Tronev, O. N. Giliarov. Dokl. AN SSSR 147 no. 6:1373-1376 D '62.

Effective electron mass as a function of concentration in InSb, InAs, and GaAs. G. I. Guseva, I. M. Tsidil'kovskii. Fiz. tver. tela 5 no. 1:263-268 Ja '63.

INDIUM—GOLD ALLOYS

Electrochemical investigation of indium-gold amalgams. A. I. Zhebreva, S. A. Levitskii. Zhur. fiz. khim. 36 no. 12:2799-2803 D '62.

INDIUM—LEAD ALLOYS—CORROSION

Formation and structure of corrosion surface layers in In-Pb and Fe-Ni alloys [with summary in English]. M. M. Bratsianskiy, I. D. Vdovenko, N. L. Baturyna'ka. Ukr. fiz. zhur. 7 no. 10:1115-1124 O '62.

INDIUM—LEAD-TIN ALLOYS

On the short-range order in liquid alloys of In - Pb and In - Sn [with summary in English]. A. V. Romanova, A. S. Lashko. Ukr. fiz. zhur. 7 no. 8:936-945 Ag '62.

INDIUM PLATING

Tartrate electrolytes for obtaining lead and indium platings. I. U. V. Zaitsev, F. S. Titov. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:852-853 '62.

INDIUM TELLURIDE—THERMODYNAMIC PROPERTIES

Thermodynamic properties of indium tellurides. I. A. I. Gerasimov, A. S. Abbasov, A. V. Nikol'skaya. Dokl. AN SSSR 147 no. 4:855-859 D '62.

INDIVIDUALITY

Davidovich, V. E. [Society and the individual] Obezhe-shto "lichnost". Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 60 p. (Materialy k lektsiiam po filosofii)

INDOLACETIC ACID

Effect of gibberellin on auxin metabolism in plants. V. V. Faustov. Sbor. stud. nauch. i med. rab. TSKHA no. 11:213-217 '62.

INDOLE

Derivatives of indole. Part 11: Synthesis of derivatives of thiochromano [4,3-b] indole. L. A. Aksanova, N. F. Kuchanova, V. A. Zagorevskii. Zhur. ob. khim. 33 no. 1:220-223 '63.
Preparation of indole tagged with carbon-14 by the hot synthesis method. A. N. Nesmelanov and others. Radiokhimiya 4 no. 6:739-740 '62.

INDONESIA—DESCRIPTION AND TRAVEL

Meetings under the constellation of the Southern Cross. B. Riurikov. Znamia 33 no. 1:150-176 Ja '63.

INDUCTION HARDENING

New techniques for heat treatment of rolls. G. A. Proskurkin. Mashinostroitel' no. 12:33 D '62.
Semiautomatic unit for induction hardening of gear wheels. V. A. Rokshevskii. Mashinostroitel' no. 12:12 D '62.

INDUCTION HEATING

Electric face hardening of blooming mill rolls. I. N. Aksekov. Metallurg 8 no. 1:28-29 Ja '63.
Pressing of particle boards with heating in the electric field of high frequency currents. L. I. Kozel'tsev. Der.prom. 11 no. 12:16-17 D '62.

INDUSTRIAL ACCIDENTS

(see also subdivision under United States)

"Broken telephone." K. Evliukhov. Okhr. truda i sots. strakh. 6 no. 1:32 Ja '63.
Conclusion of a technical inspector of a trade union council. G. Lesenko. Okhr. truda i sots. strakh. 6 no. 1:38-39 Ja '63.

INDUSTRIAL BUILDINGS

(see also subdivision under Kazakhstan; Leningrad; Ukraine; White Russia)

Design of a building made from machine-cast elements. M. Val'samaki. IU. Loshakov. Stroitel' arkhitekt. 10 no. 12:10-11 D '62.
Designing offices and personnel facilities for small enterprises. V. Ivanov, V. Blokhin. Arkhitekt. SSSR no. 12:26-28 '62.
Experimental verification of the strength and design efficiency of new joints of the frame of an industrial building. A. F. Gurekii. Prom. stroitel' no. 10:36-43 '62.
Improving the role of architects in industrial construction. G. Orlov. Arkhitekt. SSSR no. 12:1-3 '62.
New type of industrial building. V. Myslin. Arkhitekt. SSSR no. 12:4-8 '62.

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Economical design of a building for magnet plants. I. Partinov. Prom. stroitel' inzh. soor. 4 no. 5:28-32 S-O '62.
Efficient design of the frame of a railroad bearings plant. G. Distan. Prom. stroitel' inzh. soor. 4 no. 5:14-19 S-O '62.
New designs are a potential for lowering the cost of construction. A. Velichkin. Prom. stroitel' inzh. soor. 4 no. 5:9-14 S-O '62.
Standardization of buildings and structures among branches of industry. M. Medvedev, A. Chechel'nikskii. Prom. stroitel' inzh. soor. 4 no. 5:44-49 S-O '62.

INDUSTRIAL BUILDINGS—EQUIPMENT AND SUPPLIES

Comparative efficiency of standard reinforced concrete and steel crane beams for one-story industrial buildings. D. F. Il'in. Izv. ASIA 4 no. 4:89-93 '62.

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL DESIGN see Design, Industrial

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL EQUIPMENT

(see also subdivision under Germany, East; Great Britain; United States)

New equipment. Mashinostroitel' no. 12:18-19 D '62.

MENT—EXHIBITIONS

on the Achievements of the National S. R. G. U. Dashevskaya. Metal- no. 1:53-56 D '62.

MAINTENANCE AND

trains)
al repairs. S. Cherni-
2-40 N '62.

In the name of man. Okhr. truda i sots. strakh. 6 no. 1:21-23 Ja '63.

Physiological principles of the organization of the work area. S. Kosilov. Sots. trud 7 no. 4:71-75 Ap '62.

Prophylactic nutrition at a plant. O. Molchanova. Okhr. truda i sots. strakh. 6 no. 1:42-43 Ja '63.

Rhythm, shift, and regimen. S. A. Kosilov, M. S. Marshak. Zdorov'e 8 no. 12:4-6 D '62.

Sanitary work conditions in the production of asbestos friction materials made with a rubber binding agent. F. M. Kogan. Kauch. i rez. 21 no. 12:29-33 D '62.

Ultrasonics and health. L. Favorova. Okhr. truda i sots. strakh. 6 no. 1:33-34 Ja '63.

Urgent tasks of trade-union organizations. K. Guseinov. Okhr. truda i sots. strakh. 6 no. 1:1-3 Ja '63.

INDUSTRIAL HYGIENE—BIBLIOGRAPHY see Bibliography—Industrial hygiene

INDUSTRIAL LAWS AND LEGISLATION

Legal problems in the organization of industrial procurement during the large-scale building of communism. E. A. Tarnovskaya. Izv. vys. ucheb. zav. prav. 6 no. 4:58-69 '62.

Legal rules governing the use of machinery in industrial enterprises; apropos of the impending preparation of a law on the legal status of socialist enterprises. IU. S. Tsimmerman. Sov. gos. i pravo 33 no. 2:45-54 F '63.

"Management rights of the administrators and officials in charge of industrial plants and business enterprises belonging to economic councils, ministries, and governmental agencies." Reviewed by K. Lakunetsov. Sov. deput. trud. no. 8:93-94 Je '62.

Organizational and legal forms of the governmental guidance of the technological development of Soviet industry. S. A. Maevskii. Sov. gos. i pravo 33 no. 2:23-32 F '63.

INDUSTRIAL MANAGEMENT

(see also subdivision under Estonia; Mari A. S. S. R.; Moscow; Smolensk Province; White Russia)

Activists are the real managers of local industry. A. Koblaikovskii, A. Laptev. Sov. deput. trud. no. 8:67-70 Je '62.

"Analysis of the administrative operations of enterprises by State Bank branches." Reviewed by M. Barun. Den. i kred. 20 no. 11:88-92 N '62.

Communists and industry. Kommunist 39 no. 2:9-10 Ja '63.

Correct measurement of the volume of production and labor productivity. L. B. Vainshtein. Khleb. i kond. prom. 6 no. 12:19-20 D '62.

Determining the degree of mechanization and automation of production processes in the machinery industry. M. G. Umnagin. Vest. mashinostr. 42 no. 12:68-74 D '62.

"Economics of socialist industrial enterprises." Reviewed by M. Prokopenko, I. Ryzhkov. Ekon. Rad. Ukr. no. 6:121-124 N-D '62.

"Economics of socialist industry; popular textbook." Reviewed by V. Fedin. Part. zhizn' no. 4:76-77 F '63.

From the editor's mail. Sots. trud 7 no. 4:130-136 Ap '62.

Groups of deputies in industrial enterprises. A. Piven'. Sov. deput. trud. no. 1:53-56 Ja '63.

Improving industrial management is an important task of the building of communism. F. Potapov. Nar. khoz. Uzb. 4 no. 11:57-62 N '62.

Improving material incentives. V. Markov. Plan. khoz. 40 no. 2:20-28 F '63.

Increasing the degree of the utilization of productive capacities, equipment and working areas under the conditions of the new system of industrial and construction administration. V. D. Mitrofanov. Uch. zap. MGPI 164:65-83 '61.

Manage the economy in the Lenin way. Sov. profsoyuzy 18 no. 24:2-3 D '62.

Perelegin, V. I. [Regime of economy in the industry of the U. S. S. R.] Rezhim ekonomii v promyshlennosti SSSR. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962, 474 p.

The plan is the law governing the life of an enterprise. Utilize fully hidden potentialities in production. Iv. Semenov. Polit. samobor. 6 no. 11:87-94 N '62.

"Planning and the analysis of labor and wages in an industrial enterprise" by I. M. Levin. Reviewed by M. Demchenko. Sots. trud 7 no. 4:154-157 Ap '62.

Practice of an economic committee in a shop. I. A. Tomashpol'skii. Avt. prom. 28 no. 11:45-48 N '62.

Production is the principal sphere of party guidance. F. Petrenko. Part. zhizn' no. 2:14-20 Ja '63.

The role of economists in industrial enterprises and economic councils. V. Lagutkin. Kommunist 39 no. 3:37-45 F '63.

Slater, E. L. [Intra-plant cost accounting and savings from volunteer labor] Vnutrizavodskoi khozraschet i ekonomia obshchestvennogo truda. Moskva, Ekonomizdat, 1962, 128 p.

Trade unions should give their attention to economists. I. Kazanets. Sov. profsoyuzy 19 no. 1:1-4 Ja '63.

Unfinished processes in line production. I. S. Belousov. Izv. vys. ucheb. zav. mashinostr. no. 7:209-221 '62.

Zlobina, V. M. [How the Communist Party managed industrial enterprises and their party organizations in the early years of the New Economic Policy] Rukovodstvo Kommunisticheskoi partii promyshlennymi predpriyatiyami i proizvodstvennymi iachetkami v pervye gody NEPa. [Moskva] Izd-vo Mosk. univ., 1962, 80 p.

INDUSTRIAL MANAGEMENT—RESEARCH see subdivision under Sverdlovsk

INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

(see also subdivision under Kharkov)
Chiburova, A. S. [Theory and practice are inseparable] Teoriya i praktika narazryny, [Rizan'] Riazanskoe knizhnoe izd-vo, 1961, 30 p. (Biblioteka propagandista)

INDUSTRIAL ORGANIZATION

(see also subdivision under Kirghizistan; Latvia; Penza Province; Sverdlovsk Province; Ust'-Kamenogorsk; White Russia)

Concentration is an important means of industrial development. N. Kavalierov, M. Lashko. Kommunist 39 no. 2:38-48 Ja '63.

Development of the Soviet national economy and reorganization of its guidance by the party; decision of the plenary session of the Central Committee of the CPSU based on the report of Comrade N. S. Khrushchev. November 23, 1962. Komm. Bol. 36 no. 12:3-8 '62.

Development of the Soviet national economy and reorganization of its guidance by the party; decision of the plenary session of the Central Committee of the CPSU based on the report of Comrade N. S. Khrushchev. November 23, 1962. Komm. Mold. 7 no. 11:16-22 N '62.

Indices of the specialization of industrial production. M. Gazaliev. Plan. khoz. 40 no. 2:43-51 F '63.

Industrial specialization and cooperation in the U. S. S. R. S. Il'in. Polit. samobor. 6 no. 11:23-31 N '62.

New contribution to the theory and practice of the building of communism. Sov. gos. i pravo 33 no. 1:3-12 Ja '63.

Plenary session of the Central Committee of the CPSU in November, 1962 and some problems in the development of the Soviet state. D. Chesnokov. Kommunist 39 no. 2:11-20 Ja '63.

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PLANTS

Concerning the instructions for engineering surveys for industrial constructions. Blul. stroitel' tekhn. 10 no. 12:11-13 D '62.

Contributions of Ukrainian designers to foreign construction. Prom. stroitel' inzh. soor. 4 no. 5:55 S-O '62.

Improving planning is the most important method of increasing the rate and lowering the cost of construction. S. Andrianov. Prom. stroitel' inzh. soor. 4 no. 5:1-4 S-O '62.

Industrial installation construction workers are in competition. N. Surovtsev. Stroitel' 8 no. 11:21-23 N '62.

Planning Institute No. 3 (Odessa). E. Rozenberg. Stroitel' arkhitekt. 10 no. 12:25-27 D '62.

The role of the architect in industrial construction. I. Zatchenko. Stroitel' arkhitekt. 10 no. 12:11-12 D '62.

INDUSTRIAL PLANTS—COST OF CONSTRUCTION

Ways to lower the consumption of metal and the estimated cost of industrial construction through planning. S. Tihonov, A. Epstein. Prom. stroitel' inzh. soor. 4 no. 5:6-9 S-O '62.

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Methodology for establishing the technical and economic basis for designing and planning industrial buildings. I. Aparin. Ekon. stroitel' no. 1:58-63 Ja '63.

Ways to lower the cost of building sugar refineries. F. Pashkovskii, I. Titarenko, K. Dekhtiareva. Prom. stroitel' inzh. soor. 4 no. 5:38-42 S-O '62.

INDUSTRIAL PLANTS—STANDARDS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standards SN 218-62 for the technical design of enterprises producing asbestos-cement elements] Normy tekhnologicheskogo proektirovaniya predpriyatiy po proizvodstvu asbestotsementnykh izdelii (SN 218-62). Moskva, Gosstroizdat, 1962, 23 p.

INDUSTRIAL PLANTS—WATER SUPPLY

Automation and central control of circulating water-supply systems. E. S. Monastirenko. Vod. i san. tekhn. no. 12:17-19 D '62.

INDUSTRIAL POWER TRUCKS

Automatic control of the blooming-ingot car. G. A. Osipov. Mekh. i avtom. profizy. 16 no. 12:1-3 D '62.

INDUSTRIAL PROCUREMENT

Legal problems in the organization of industrial procurement during the large-scale building of communism. E. A. Tarnovskaya. Izv. vys. ucheb. zav. prav. 6 no. 4:58-69 '62.

INDUSTRIAL RECREATION

Labor, leisure time and physical education. N.I. Ponomarev. Teor. i prak. fiz. kul't. 25 no. 11:17-21 N 1 '62.

INDUSTRIAL RELATIONS

Control by the workers. V. Tolstov. Part. zhizn' no. 1: 38-44 Ja '63.
The "theory" and practice of so-called "human relations." M. Nagavitsyn. Sots. trud 7 no. 4:33-41 Ap '62.

INDUSTRIAL SAFETY

Arkhipov, K.N., and N.V. Solov'ev. [Fundamentals of safety engineering and fire prevention in the building materials industry] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki v promyshlennosti stroitel'nykh materialov. Pod obshch. red. N.D. Zolotareva. Moskva, Gosstroizdat, 1962, 295 p.
Psychology of engineering and industrial safety. Jaro Krivohlavy. Vop. psikh. 8 no. 4:89-98 Ji-Ag '62.

INDUSTRIAL STATISTICS

Sampling studies in industry. V. Korotkov. Vest. stat. no. 12:35-41 '62.
"Techniques of statistical calculations" by N. L. Leont'ev. Reviewed by A. P. Boldenkov. Der. prom. 11 no. 12: 28-29 D '62.

INDUSTRIAL TOXICOLOGY

Elizarova, O.N. [Determination of threshold doses of industrial poisons when administered perorally] Opredelenie porogovykh doz promyshlennykh iadov pri peroral'nom vvedenii. Moskva, Medgiz, 1962, 173 p. (Biblioteka prakticheskogo vracha) (DNLM)

INDUSTRIAL WASTES

(see also subdivision under Gaurdak)
Using waste products from the leather and fur industries in the food and mixed-food industries. N. A. Timokhin. Biol. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. no. 12:69-70 '62.

INDUSTRIES, LOCATION OF

(see also subdivision under Kazakhstan)
Distribution of productive forces. N. Nekrasov. Kommunist 39 no. 3:25-30 F '63.
Improving transportation and economic relations. L. Kala. Plan. khoz. 30 no. 12:44-49 D '62.
Problems of the future distribution of industry. A. Probat. Vop. ekon. no. 12:46-50 D '62.

Troshch, N. I. [Development and distribution of productive forces of the RSFSR from 1959 to 1965] Razvitiye i razmeshcheniye proizvoditel'nykh sil RSFSR v 1959-1965 godakh. Moskva, Ob-vo po rasprostraneniyu poln. i nauchn. znaniy RSFSR, 1960, 38 p. (NNC)

INDUSTRY--ABSTRACTS

[Economics of industry] Ref. sbor. : Ekon. prom. no. 1 Ja '63. Predmetnyi ukazatel' za 1961 g.

INEQUALITIES (MATHEMATICS)

Extension of S. A. Chaplygin's theorem on differential inequalities to mixed type equations. I. V. Malozov. Uch. zap. Volg. gos. ped. inst. no. 11:190-200 '60.

INFANTS

Training of the blind. S. Fonarova. Sem'ia i shkola 18 no. 1:20-27 Ja '63.

INFANTS--CARE AND HYGIENE

First days after birth. V. Dobretser. Sem'ia i shkola 17 no. 0:48 S '62.

INFANTS--DISEASES

Colibacillosis in infants. V. P. Iukhno, N. I. A. Karmazina, M. G. Rogol'. Zdravookhraneniye 5 no. 3:20-24 My-Je '62.
Pneumonia in infants; based on data of the First Pediatric Clinical Hospital in Kishinev. F. M. Kitikar', E. I. Chertkova, L. M. Aizenberg. Zdravookhraneniye 5 no. 3:17-19 My-Je '62.
Some current problems of pneumonia in infants. P. S. Sosnova and others. Zdravookhraneniye 5 no. 3:11-16 My-Je '62.

INFANTS--GROWTH see subdivision under Aktyubinsk

INFANTS--MORTALITY see subdivision under Kishinev

INFANTS--NUTRITION

Organization of maternity centers and their role in the prevention of hypotrophy in children. M. G. Frekeutsanu. Zdravookhraneniye 5 no. 3:52-53 My-Je '62.
Zakharova, G. I. [Artificial infant feeding (during the first year of life)] Iskusstvennoye vskarmlivaniye rebenka (pervogo goda zhizni). Leningrad, Medgiz, 1962, 48 p.

INFANTS (NEWBORN)

Content of some basic components of the blood coagulation system in the fetus immediately after birth [with summary in English]. N. A. Shilko. Vop. okh. mat. i det. 7 no. 8:8-13 S '62.

Trapp, E. E. [Care of the newborn] Ukhod za novorozhdennym. Moskva, Medgiz, 1962, 24 p. (Sovety roditeliam) (DNLM)

INFANTS (NEWBORN)--MORTALITY

Physiological principles for the antenatal protection of the fetus; substantiation of the prevention of monstera. and the physiological immaturity of newborn infants. I. A. Arshavskii, M. G. Nemets, Z. F. Suroviseva. Vest. AMN SSSR 17 no. 11:80-70 '62.
Principles and ways for the further development of antenatal prophylaxis of fetal diseases and perinatal mortality. M. A. Petrov-Maslovskiy, S. M. Bekker. Vest. AMN SSSR 17 no. 11:8-13 '62.

INFANTS (PREMATURE)

Phagocytic activity of the leucocytes in the blood of premature infants [with summary in English]. L. E. Probatova, E. K. Mieserova. Vop. okh. mat. i det. 7 no. 9: 45-49 S '62.

INFANTS (PREMATURE)--DISEASES

Disorder of hematopoiesis in a newborn infant from a mother suffering from acute leukemia. L. V. Bekker, O. P. Rogova. Vop. okh. mat. i det. 7 no. 9:79-81 S '62.

INFECTION

"Prenatal infections in man" [translated from the German] by Helmut Flamm. Reviewed by I. V. Gul'kevich. Vop. okh. mat. i det. 7 no. 9:92-94 S '62.

INFLAMMABLE MATERIALS

Aluminum dust. S. Taubkin. Pozh. delo 8 no. 12:11-12 D '62.

INFLORESCENCE

Stages of the organogenesis of clusters in tomatoes. I. V. Polunordvinova. Vest. sel'khoz. nauki 7 no. 10: 34-37 O '62.

INFLUENZA

(see also subdivision under Leningrad)

Morozkin, M. I. [Influenza pneumonia; its clinical aspects and treatment] Grippoznaya pneumoniya; klinika i lecheniye. Kiev, Gosmedizdat USSR, 1962, 77 p. (DNLM)

So that others would not catch the gripp... IU. Shishina. Sov. profsoyuz 19 no. 1:30 Ja '63.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Arithmetic correcting codes. E. T. Mironchikov, V. D. Kolesnik. Radiotekh. i elektron. 8 no. 1:8-15 Ja '63.
Machines in the seven-year plan. V mire knig 2 no. 11: 11 N '62.

Scientific planning and an efficient system of economic information. N. Kovalev. Vepekon. no. 12:94-110 D '62.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS--ELECTRONICS

Pul electronics in the service of information. V. Alek-sandrov. Plan. khoz. 40 no. 2:79-80 F '63.

INFORMATION THEORY

Arithmetic correcting codes. E. T. Mironchikov, V. D. Kolesnik. Radiotekh. i elektron. 8 no. 1:8-15 Ja '63.
Concerning a certain method for optimizing the structure of a communication network. A. I. Tolchan. Probl. pered. inform. no. 11:133-146 '62.

Concerning a multicausal method for correcting independent errors in binary codes. E. T. Mironchikov, V. D. Kolesnik. Sbor. rab. po vop. elektromekh. no. 7: 277-286 '62.

Condition of the independence of the probability of states of a servicing system on the nature of the distribution of the servicing time. I. N. Kovalenko. Probl. pered. inform. no. 11:147-151 '62.

Matrix of second moments of time distribution for a multiple line system with limited number of waiting parties. V. P. Shval'ba. Probl. pered. inform. no. 11: 110-116 '62.

On a machine language for geometry and translation algorithms from Russian into this language (conclusion). A. V. Kuznetsov, E. V. Paducheva, N. M. Ermo-laeva. Mash. perev. i prikl. ling. no. 8:9-18 '61.

On the general theory of linear filters. N. S. Landkof. Dokl. AN SSSR 147 no. 4:778-778 D '62.

Optimal distribution of energy in multiple investigation of a special problem. V. P. Porov. Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom. no. 8:82-95 N-D '62.

Optimal nonredundant codes. A. I. Velichkin, I. I. Grushko. Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom. no. 8: 171-177 N-D '62.

Problem concerning the choice of matrices for error-correcting codes with an ordinary base. E. T. Mironchikov, V. D. Kolesnik. Sbor. rab. po vop. elektromekh. no. 7:288-294 '62.

Problem concerning the measurement of the characteristics of a steady-state ergodic process. P. V. Mel'nikov. Elektrosv'яз' 18 no. 12:18-25 D '62.

Statistical coding in telemechanics [with summary in English]. R. R. Vasilev, G. A. Shastova. Avtom. i telem. 24 no. 1:82-91 Ja '63.

Symposium on Information Theory. A. M. Petrovskii. Vest. AN SSSR 33 no. 1:88-89 Ja '63.

Use of selective delay lines for correcting singular and grouped errors. A. N. Radchenko, E. T. Mironchikov. Sbor. rab. po vop. elektromekh. no. 7:294-305 '62.

INFRARED DRYING APPARATUS

Experience in the use of gas burner infrared dryers for drying paint coatings. A. M. Levin, G. M. Oksituta, M. A. Khaikina. Lakokras. mat. i ikh prim. no. 6:71-72 '62.

Infrared radiation generators with electric heating for radiant heat dryer systems. B. I. Leonchik, L. L. Pavlovskii. Lakokras. mat. i ikh prim. no. 6:61-60 '62.

INFRARED RAYS--INDUSTRIAL APPLICATIONS

Drying plaster on the walls of buildings with gas infrared radiant heaters. T. N. Smyslinova, Z. L. Zakharova, K. N. Pravoverov. Sbor. nauch. rab. AKKH no. 8:94-105 '61.

INHERITANCE AND SUCCESSION

His uncle's claim. E. Blagodarnyi. Sov. iust. no. 1:21-22 Ja '63.

INLAND WATER TRANSPORTATION

Promoters of technical development. S. Ivanov, A. Tia-zhelkov. NTO 4 no. 12:12 D '62.

Selecting a work organization diagram for river craft crews with the aid of electronic calculating machines. S. Slutskii, E. Shaposhnikov. Biol. nauch. inform. i trud i zar. plata 5 no. 4:13-19 '62.

INLAND WATER TRANSPORTATION--EMPLOYEES

Closer to production. I. F. Stepanov. Sred. spets. obr. 8 no. 11:25-26 N '62.

INSECT BAITS AND REPELLENTS

Preliminary report on the repelling property of some preparations of the "efran" group. Report No. 1. A. A. Aliev, D. A. Mirzabekov, F. M. Amirhanov. Trudy Azer. nauch. -issl. vet. inst. 13:168-180 '62.

INSECT TRAPS

(see also subdivision under Moldavia)
Catching bands. V. E. Savdarg. Zashch. rast. ot vred. i bol. 5 no. 6:45 Je '60.

Electric lamps. M. E. Kulik. Zashch. rast. ot vred. i bol. 5 no. 10:42-43 O '60.

Electric lamps for detecting and exterminating flying insects. M. E. Kulik. Zashch. rast. ot vred. i bol. 5 no. 5:51 My '60.

A method of collecting live insects by light [with summary in English]. O. I. Morozovskaya, E. A. Gornostevich. Zool. zhur. 41 no. 11:1741-1743 N '62.

Some data on electric equipment used in the field of plant protection against flying agricultural pests. S. M. Chernobrovins. Izv. AN Mold. SSR no. 8:38-44 '62.

Thiophos bands for controlling the codling moth. M. A. Gontaronko. Zashch. rast. ot vred. i bol. 5 no. 11:43-44 N '60.

INSECTICIDES

Applying new insecticides in controlling corn pests [in Latvian with summary in English]. J. Cincovskis, K. Jegina. Izv. AN Latv. SSR no. 4:103-107 '61.

Are cottonseed cakes and hulls from plants treated with systemic poisons during the vegetative period harmful to animals? F. F. Pergat. Zashch. rast. ot vred. i bol. 4 no. 5:59 S-O '60.

Effect of the biological preparation beauverin on the fertility of the shield bug Eurygaster integriceps. T. A. Shelurina. Zashch. rast. ot vred. i bol. 5 no. 5: 36-38 My '60.

New acaricidal preparation "afiran B." A. A. Aliev and others. Trudy Azer. nauch. -issl. vet. inst. 13:174-187 '62.

New insecticides and their effectiveness. P. N. Galakhov. Zashch. rast. ot vred. i bol. 5 no. 10:30-33 O '60.

Poisonous chemicals against scale insects and pseudo-scale insects in Moldavia. O. G. Kliskina. Zashch. rast. ot vred. i bol. 5 no. 5:41-42 My '60.

Poisonous chemicals in small containers. A. G. Pavelko. Zashch. rast. ot vred. i bol. 5 no. 6:40 Je '60.

Preparations for controlling the Colorado beetle. I. A. Iurevich. Zashch. rast. ot vred. i bol. 5 no. 7:43 Ji '60.

Review of "Poisons used to control hosts and carriers of highly dangerous infections" by V. P. Kazakovich, I. V. Domaradskii, E. E. Bakhrakh. Zashch. rast. ot vred. i bol. 4 no. 5:81 S-O '59.

Systemic poisons in controlling orchard pests. V. V. Varshchagina. Zashch. rast. ot vred. i bol. 4 no. 5: 39-40 S-O '59.

Testing diene synthesis preparations for controlling the cabbage maggot. K. V. Znoiko. Zashch. rast. ot vred. i bol. 4 no. 5:43 S-O '59.

Testing new poisonous chemicals in controlling orchard pests and diseases in Kabardino-Balkaria. L. Kh. Kazdakhova. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:171-174 '62.

Testing preparations against granary pests. A. Khodzhaev. Zashch. rast. ot vred. i bol. 5 no. 7:38 Ji '60.

INSECTIVORA see subdivision under Uzbekistan

INSECTS—ANATOMY

Functional anatomy of the mouthparts of the chicken mite *Dermanyssus gallinae* Redi, 1674 (Gamasoidea, Dermanyssidae [with summary in English]). IU, P. Lagutenko, Ent. oboz. 41 no. 4:827-838 '62.
Leg of ticks of the order Parasitiformes and its terminology [with summary in English]. E. Kh. Zolotarev. Zool. zhur. 41 no. 11:1739-1741 N '62.

INSECTS, INJURIOUS AND BENEFICIAL

(see also subdivision under Kara Kum Canal region)

"Agricultural entomology" [in Bulgarian] by Vasil Iv. Popov. Reviewed by V. V. Iakhtov. Zashch. rast. ot vred. i bol. 2 no. 6:63 N-D '57.
Ecologic analysis of the developmental conditions of pests of brassicaceous vegetable crops in nature. L. A. Stepanova, Ent. oboz. 41 no. 4:721-736 '62.
"Injurious and beneficial insects" by E. M. Shumakov, I. B. Briantseva. Reviewed by S. M. Pospelov. Priroda 52 no. 1:124 '63.
"Six-legged enemies and friends" by N. Shcherbinovskii. Reviewed by A. Romanovskaja. IUn. nat. no. 1:33 Ja '63.

INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

(see also subdivision under Bostandk District; United States; Vinitsa Province)

Achievements of the microbiological method. V. I. Poltev. Zashch. rast. ot vred. i bol. 2 no. 6:44-46 N-D '57.
Bacterial preparation against cabbage pests. A. I. A. Leskova. Zashch. rast. ot vred. i bol. 5 no. 6:31-32 Ja '60.
Nectar-yielding plants in the attraction of Entomophaga. Kh. G. Kopylov. Zashch. rast. ot vred. i bol. 5 no. 5:33-34 My '60.
Testing lower fungi and bacterin against insect pests of fruit trees. Z. Varguzina, N. Isaeva. Uch. zap. Kurlb. gos. ped. inst. no. 37:23-26 '62.
Use of pathogenic organisms. A. A. Evlakhova, O. I. Shvetsova. Zashch. rast. ot vred. i bol. 2 no. 6:46-47 N-D '57.

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

At the Section for Agricultural Entomology of the 4th Congress of the All-Union Entomological Society; review of reports. V. V. Iakhtov. Zashch. rast. ot vred. i bol. 5 no. 7:55-56 Ji '60.

INSECTS AS CARRIERS OF PLANT DISEASES

Phytopathogenic symbionts of the fruit flies *Oscinella frit* L. and *O. pusilla* Mg. (Diptera, Chloropidae) and their practical use [with summary in English]. E. V. Ryzhkova. Ent. oboz. 41 no. 4:788-795 '62.
Potato midge, vector of rot infection in vegetable storages. A. I. Zrazhevskii. Zashch. rast. ot vred. i bol. 5 no. 10:27 O '60.

INSTRUMENT INDUSTRY—LABOR PRODUCTIVITY

Methodology for planning future growth in labor productivity. Z. Levit, K. Kirnarskaja. Sots. trud 7 no. 4:24-32 Ap '62.

INSTRUMENT INDUSTRY—STANDARDS

Standardization of the production of the machinery and instrument industries of the Moscow Province Economic Council. L. V. Gelfert. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:71-72 '62.

INSTRUMENTS—BIBLIOGRAPHY see Bibliography—Instruments

INSULATING MATERIALS

Effect of high temperatures on peat insulating boards in the process of drying. B. S. Krylov. Torf. prom. 39 no. 8:19-21 '62.
Nonsettling fillers. IU. Vernikovskii. Sel'stroy. 16 no. 1:26-27 Ja '62.
Possibility of using various polyarylates as insulating film materials. T. S. Kniازهva and others. Plast. massy no. 12:37-40 '62.
The technology and basic physicochemical properties of air-entrained silicate and air-entrained cinder silicate used as insulating materials. S. A. Krzheminskii and others. Sbor. trud. ROSNIMS no. 20:36-51 '61.

INSULATING OILS

Possibility of production of transformer oils from the petroleum of the Okhinskiy and Katangli fields. N. I. A. Rudakova and others. Nauch. zap. Ukrniproekta no. 8:64-70 '62.

INSULATION (ELECTRIC) see Electric insulators and insulation

INSULATION (HEAT)

Band instead of wheel. New heat insulator. V. Arkhipkin, I. Dikovskii. NTO 4 no. 12:43 D '62.
Elastic sealing strips for windows and doors. Zhil. stroi. no. 12:27 '62.
Heat insulating material. V. Fedorenko. Pozh. delo 0 no. 1:12 Ja '63.

Manufacturing seamless foam polystyrene insulation. M. V. Alekseev and others. Mashinostroenie no. 5:87-89 S-O '62.
Use of synthetic foam substances as heat insulating material. V. L. Pokrovskii. Khim. tekhn. 39 no. 6:69-70 N-D '62.

INSULIN

Effect of various means of insulin injection into the body on the content of ketone bodies and their passage into the tissues [with summary in English]. S. G. Genes, S. I. A. Karliner. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:187-195 '61.
Fat metabolism of cattle with the atony of the rumen and during insulin treatment. A. S. Kinash. Nauch. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:94-99 '61.
Insulin and ultrasonic waves. I. E. El'piner, L. I. Stokolnikov. Priroda 52 no. 1:100-101 '63.
Role of insulin in glycolytic processes in the brain tissue of depancreatized and healthy dogs [with summary in English]. P. M. Charnala. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:134-140 '61.

INSULIN SHOCK

Desamidation of brain proteins and changes in their macrostructure due to insulin treatment. L. I. A. Tkachepyl'd. Dokl. AN SSSR 147 no. 4:964-966 D '62.
Role of the muscles in the development of insulin hypoglycemia [with summary in English]. S. G. Genes. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:120-133 '61.

INSURANCE

Correspondence courses for insurance workers. K. Gellig. Fin. SSSR 23 no. 12:69-70 D '62.

INSURANCE, AGRICULTURAL

State insurance under the modern conditions of collective farm production. E. Kolomina, F. Gullasv, Ekon. sel'khoz. 33 no. 12:37-43 D '62.

INSURANCE, MARINE

How the Maritime Arbitration Commission examines the disputes concerning marine insurance. E. N. Gendzekhadze. Vest. Mosk. un. Ser. 10: Pravo 17 no. 4:40-48 O-D '62.

INSURANCE, SOCIAL

(see also subdivision under Germany, West; Komi A. S. S. R.; Kursk Province; Leningrad; Lipetsk Province; Moldavia; Moscow; Pskov Province; Sverdlovsk; Tyumen' Province; United States; Yugoslavia)

Editor's mail. A. Smirnov and others. Sots. obozr. 24 no. 1:32-33 Ja '63.
The Great October. Sots. obozr. 23 no. 11:1-4 N '62.
Let's develop community participation. Sots. obozr. 23 no. 12:1-4 D '62.
Make way for community participation. V. Bahkin. Sots. obozr. 24 no. 1:8-9 Ja '63.
Public funds and support of the disabled. E. Valiev. Sots. obozr. 23 no. 9:20-23 S '62.
Replies to our readers. Sov. profsoyuzy 18 no. 24:39-40 D '62.
To new successes. L. Lykova. Sots. obozr. 24 no. 1:1-5 Ja '63.

INSURANCE, SOCIAL—EMPLOYEES

(see also subdivision under Maritime Territory; Moscow; Pskov; Shaballinsky District)
Let's work honestly and conscientiously. N. Tsatsorina, A. Soldatov, N. Dain. Sots. obozr. 23 no. 12:5-7 D '62.
Old guard and new shift. V. Leont'ev. Sots. obozr. 23 no. 11:18-22 N '62.
Our Sima. V. Leont'ev. Sots. obozr. 23 no. 9:24 S '62.

INSURANCE, SOCIAL—PERIODICALS

Readers discuss, suggest and advise. Sots. obozr. 24 no. 1:52-53 Ja '63.
We report to the readers. Sots. obozr. 23 no. 12:52 D '62.

INTAKES (HYDRAULIC ENGINEERING)

Hydraulic aspects of an intake structure with an inclined lattice section in the dam. L. P. Russkikh. Izv. AN Kazakh. SSR. Ser. energ. no. 2:100-106 '62.

INTEGRAL EQUATIONS

A method for calculating the least proper number of an integral equation of a special type. G. L. Kharatishvili. Trudy Vych. tsentra AN Gruz. SSR 2:283-284 '62.
Method of successive approximations for a nonlinear integral equation with a fixed singularity. T. A. Ebanidze. Trudy Vych. tsentra AN Gruz. SSR 2:59-64 '62.
Use of integral equations in the theory of conformal mappings [in Georgian with summary in Russian]. D. A. Kveselava. Trudy Vych. tsentra AN Gruz. SSR 2:3-16 '62.

INTEGRALS

"Volume and integral" by W. W. Rogosinski [in English]. Reviewed by G. E. Shilov. Zhur. vych. mat. i mat. fiz. 2 no. 5:955-956 S-O '62.

INTEGRALS, GENERALIZED

Boundary values of potential functions. T. G. Gogelia. Trudy Vych. tsentra AN Gruz. SSR 2:285-313 '62.

INTELLECTUALS

Andrianova, Z. A. [Intelligentists in the works of D. N. Mamln-Sibirskiy of the years 1880 to 1890] Intelligentsia v tvorchestve D. N. Mamln-Sibirskaya 80-90-kh godov. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniya DSSR, 1962, 74 p.

INTERCONNECTED ELECTRIC UTILITY SYSTEMS

Choice of an efficient system for carrying the flow between power plants in the prospective development of a consolidated electric utility system. E. P. Lel'ter. Izv. AN Kazakh. SSR. Ser. energ. no. 2:19-27 '62.

INTERFEROMETER

Application of the interference method of bands in polarized light using a TAB-451 instrument. S. A. Abramov, M. P. Mikhov. Izv. vys. ucheb. zav. i fiz. no. 6:115-120 '62.

Methods for reducing spectral line widths to facilitate interference length measurements. A. P. Kirichenko. Usp. fiz. nauk 78 no. 3:525-530 N '62.

On the feasibility of interferometric study of gaseous inhomogeneities with irregular density distribution [with summary in English]. V. A. Emel'yanov. Inzh.-fiz. zhur. 6 no. 1:70-86 Ja '63.

Study of space frequency spectra of a multiantenna radiointerferometer with phase modulation. A. Baklava. Izv. AN Latv. SSR no. 8:67-74 '62.

INTERIOR DECORATION

Devise, combine and decorate. Tat'iana Topilina. Sov. profsoyuzy 18 no. 24:44 D '62.

INTERNAL CONVERSION (NUCLEAR PHYSICS)

Effect of the nuclear structure on the internal conversion factors of γ -rays. M. A. Listengarten. Izv. AN SSSR. Ser. fiz. 16 no. 12:1452-1458 D '62.
Spectra of internal conversion electrons emitted in the capture of thermal neutrons by ^{167}Er and ^{168}Er . V. A. Ivannov, V. I. Polakhov. Izv. AN SSSR. Ser. fiz. 16 no. 12:1480-1485 D '62.
Spectrum of conversion electrons from Hf^{172} . V. Ibrakev and others. Izv. AN SSSR. Ser. fiz. 16 no. 12:1496-1497 D '62.

INTERNAL MEDICINE see Medicine, Internal

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

Financial troubles of American imperialism. Mezhdunar. zhizn' 10 no. 2:155-157 F '63.

INTERNATIONAL COMPETITION see Competition, International

INTERNATIONAL CONFEDERATION OF FREE TRADE UNIONS

Accomplishes. Jose Maria Rangan. Vsem. prof. dvizh. no. 12:18-19 D '62.

INTERNATIONAL COOPERATION

International relations of Soviet scientists. Mezhdunar. zhizn' 10 no. 3:154-156 Mr '63.

INTERNATIONAL COPYRIGHT see Copyright, International

INTERNATIONAL ECONOMIC RELATIONS

Economic cooperation and competition between the two systems. B. Pinesin. Mezhdunar. zhizn' 10 no. 3:37-44 Mr '63.

Kul'kov, I. I. [Bankruptcy of the economic plans of the "cold war." Bankrotstvo ekonomicheskikh planov "kholodnoi volny." Moskva, Ekonomizdat, 1962, 177 p.

INTERNATIONAL EDUCATION

Tomorrow you will be a man. I. A. Kairov. Zhen. mira no. 11:15-16, 27 '62.

INTERNATIONAL INSTITUTE OF ADMINISTRATIVE SCIENCES

The 12th Congress of the Members of the International Institute of Administrative Sciences. Sov. gos. i prav. 33 no. 1:136-138 Ja '63.

INTERNATIONAL LAW

(see also subdivision under Communist Countries)

Blizhenko, I. P. and V. N. Durdenevskii. [Diplomatic and consular law] Diplomaticheskoe i konsul'skoe pravo. Moskva, Izd-vo IMO, 1962, 479 p.
Bonn "doctrines" and international law. G. Kroger. Mezhdunar. zhizn' 10 no. 2:36-42 F '63.
"History of international law" by D. B. Levin. Reviewed by I. I. Lukashchuk. Izv. vys. ucheb. zav. i prav. 6 no. 4:178-180 '62.

INTERNATIONAL LAW (Continued)

"The international law course, Vol. 1: Introduction and theoretical principles" by Dionisio Anzilotti. Translated from the Italian. Reviewed by V. N. Durdenevskii, A. M. Ladyzhenskii. Izv. vys. ucheb. zav. prav. 6 no. 4:173-175 '62.

"The law of peace" by G. V. Sharmazanashvili. Reviewed by M. V. Ivanovskii. Izv. vys. ucheb. zav. prav. 6 no. 4:176-177 '62.

Muhsian, N. M. [The essence of present-day international law] *Sushchnost' sovremennogo mezhdunarodnogo prava*. Rostov-na-Donu, Rostovskii gos. univ., 1962, 353 p.

"Present-day international law; its objective premises and social objectives" by R. L. Bobrov. Reviewed by V. N. Durdenevskii, G. I. Morozov. Sov. gos. i pravo 33 no. 2:140-152 F '63.

Sharmazanashvili, G. V. [International law] *Pravo mira*. Tbilisi, Zaria Vostoka, 1961, 146 p. (MIU)

INTERNATIONAL LAW ASSOCIATION

The 50th Conference of the International Law Association. I. I. Lukashuk. Sov. gos. i pravo 33 no. 1:133-130 Ja '63.

INTERNATIONAL MONETARY FUND

Financial troubles of American imperialism. *Mezhdunar. zhizn'* 10 no. 2:155-157 F '63.

Imperialistic struggle over the plans for creating an interstate monetary organization. Creation of the International Monetary Fund. I. N. Mosin. Uch. zap. IMO no. 9:177-197 '62.

INTERNATIONAL UNION OF STUDENTS

The history of the International Union of Students is no mythology. Giovanni Herlinguer. *Vsem. stud. nov.* 16 no. 1:13-15 Ja '62.

INTERNATIONALISM

Kallis, Johannes. [Socialist patriotism and internationalism] *Sotsialisticheskie patriotizmi i ja internacionalizmi*. Tallinn, Eesti Riiklik Kirjastus, 1962, 60 p. (Eesti NSV Poliitiliste ja Teaduslaste Teadmislo Levitamise Ühing, no. 309) [In Estonian]

Bomiragin, M. I. [The Second World War and proletarian internationalism] *Vtoraya mirovaya volna i proletarskii internacionalizm*. Moskva, Voenizdat, 1962, 214 p. [Soviet man is an internationalist] *Sovetskii chelovek - internacionalist*. Moskva, Gospolitizdat, 1962, 77 p. [Moralnyi kodoks stroitelia kommunizma]

The unity of socialist patriotism and proletarian internationalism. N. Grakov, A. Malnashko. *Komm. Bol.* 36 no. 12:31-30 D '62.

INTER-PARLIAMENTARY UNION

The Inter-Parliamentary Union. *Mezhdunar. zhizn'* 10 no. 2:154-155 F '63.

What are the weaknesses of the Inter-Parliamentary Union. I. V. Spiridonov. *Nov. vrem.* 20 no. 2:10-14 Ja '63.

INTESTINES—CANCER

Cystic tumor of the appendix vermiformis stimulating cancer of the ileocecal angle. M. I. Mishonin. *Zdrav. Bol.* 8 no. 12:90 D '62.

INTESTINES—DISEASES

Monzhikov, F. K. [Intestinal diseases] *Dolozni klebochinka*. Moskva, Medgiz, 1962, 269 p. (Biblioteka prakticheskogo vracha) (DNLM)

Tallinn. Epidemiologia, mikrobiologija ja higieni teadusliku uurimise institut. *Konverents 3d, 1960*. [Reports of the Third Scientific Conference of the Tallinn Scientific Research Institute of Epidemiology, Microbiology, and Hygiene] *Sbornik dokladov*. Tallinn, 1961, 318 p.

INTESTINES—INNERVATION

Change in the intake processes in the small intestine with various states of the central nervous system. N. I. Guska. *Uch. zap. Tif. gos. ped. inst.* no. 9:161-176 '60.

Intramural mechanisms of the myenteric reaction of the small intestines. L. I. Aronkova. *Vestn. AN BSSR Ser. biol. nav.* no. 3:98-100 '62.

INTESTINES—OBSTRUCTIONS

Changes in the evacuatory motor activity of the gastrointestinal tract in adhesions in the ileocecal region of dogs. M. M. Prochazhinskiy. *Nauk. pratn. asp. UASIN* no. 5:152-157 '60.

INTRAOCULAR PRESSURE

Study of intraocular pressure in patients with chemical burns of the eyes. D. S. Kovalev. *Zdrav. Bol.* 8 no. 12:47-49 D '62.

INVARIANTS

Weak isomorphism of transformations having an invariant measure. I. A. G. Sinai. *Dokl. AN SSSR* 147 no. 4:797-800 D '62.

INVENTIONS

There are no limits to creative work. N. Mazok. *V mire knig* 2 no. 12:18-16 D '62.

INVENTORS

Treatise on inspiration that gives birth to great inventions. V. I. Orlov. *Nauka i zhizn'* 29 no. 11:42-53 N '62.

INVERTEBRATES

(see also subdivision under *While Sea*)

Dynamics of the number of invertebrates in soil-manure composts. N. M. Chernova. *Agrobiologiya* no. 6:879-881 N-D '62.

INVESTMENTS, AMERICAN see subdivision under *Africa; Latin America*

IODINE

Iodine content in the soil, water and plant products of the Karatal Valley in relation to the problem of endemic goiter. A. K. Shtifanova. *Zdrav. Kazakh.* 22 no. 7:68-71 '62.

ION EXCHANGE

Complex formation of thorium with some hydroxycarboxylic acids. A. V. Lapitskii, I. Galetacanu, M. Beran. *Radiochimica* 4 no. 6:672-677 '62.

Continuous alkylation of pent phenols in the presence of ion exchange resin. S. A. Dmitriev, K. D. Korenev, O. N. Tsvetkov. *Tor. prom.* 39 no. 8:16-18 '62.

Exchange of monovalent ions on the EDE-10P anion exchanger under dynamic conditions depending on the rate of solution flow and size of the anion exchanger grain [with summary in English]. I. U. A. Tolmacheva, A. T. Davydov. *Zhur. fiz. khim.* 36 no. 12:2653-2658 D '62.

Principal laws governing the distribution of electrolyte ions between liquid and solid solvents. V. T. Chuiko. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 5 no. 5:698-702 '62.

Synthesis of ion-exchange films by graft copolymerization [with summary in English]. E. B. Trostianskaya, A. S. Tevlina. *Vysokom. sood.* 5 no. 1:44-48 Ja '63.

Use of ion exchange for extracting minerals. G. I. Lopatina. *Nauch. soob. IG D* 14:142-143 '62.

ION EXCHANGE RESINS

Effect of the exchanging ion and the degree of cross-linking of divinylbenzene on the radiation stability of ion exchange resins [with summary in English]. E. D. Kiseleva, K. V. Chmutov, V. N. Krupnova. *Zhur. fiz. khim.* 36 no. 12:2707-2713 D '62.

Separation of cadmium from zinc on the EDE-10P anion exchanger. V. P. Razumova. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 5 no. 5:709-711 '62.

Variation in the thermodynamic potential of ion exchange resins during ion exchange [with summary in English]. G. V. Samsonov, V. A. Pasechnik. *Zhur. fiz. khim.* 36 no. 12:2727-2733 D '62.

IONIC CRYSTALS

Dielectric loss in ionic crystals at high temperatures. A. P. Tarasov. *Uch. zap. Volg. gos. ped. inst.* no. 11: 90-108 '60.

Mechanism underlying paramagnetic spin-lattice relaxation in ionic crystals at low temperatures. S. A. Alifshuler. *Zhur. eksp. i teor. fiz.* 43 no. 5:2318-2319 D '62.

Simple method for calculating the surface energy of ionic crystals. S. N. Zadumkin, V. Kh. Khulamkhanov. *Fiz. tver. tela* 5 no. 1:48-51 Ja '63.

Statistical theory as applied to a finite ionic crystal. Part 2: Calculating the surface energy of the face (100) of a crystal having a NaCl type lattice (neglecting surface distortions). A. A. Medvedevskii. *Izv. vys. ucheb. zav. fiz.* no. 6:157-162 '62.

IONIC CRYSTALS—SPECTRA

Petrashen', M. I. [Energy spectrum of ionic crystals with impurity centers] *Energeticheskiy spektr ionnykh kristallov s primesnyimi tsentrami; tekst i, prochnitsya v ltsnoi shkole po teorii tverdogo tela*. Tartu-Tyavero, Iun' 196, Tartu, Tartuskii gos. univ. Vol. 1. 1962, 28 p. [MICROFILM]

IONIZATION

Association of ions in solutions. Part 11: Verification of the Debye theory [with summary in English]. A. M. Sukhotin, E. M. Ryzhkov. *Zhur. fiz. khim.* 36 no. 12: 2693-2698 D '62.

Note on O. P. Semenova and M. A. Levenchenko's article "Dependence of the effective ionization potential on the concentration of readily ionizable impurities in an arc discharge." V. L. Ginzburg, N. P. Glukhovetskaya. *Opt. i spekt.* 13 no. 6:881-882 '62.

IONIZATION—MEASUREMENT

A possible method for measuring the concentration of ions generated by hydroionizers. M. I. Korsunskii, M. B. Reznik, R. M. Truten'. *Izv. vys. ucheb. zav. fiz.* no. 6:152-156 '62.

IONIZATION OF GASES

Thermal ionization and electroconductivity of certain mixtures and combustion products. G. S. Aravin, V. P. Shevlev. *PMTF* no. 2:20-31 Mr-Apr '62.

IONIZED AIR see *Air, Ionized*

IONOSPHERE

General circulation in the ionosphere. E. S. Kazimirovskii. *Geomag. i aer.* 2 no. 6:1084-1090 N-D '62.

Geographical distribution of ionospheric absorption. M. D. Fligel'. *Geomag. i aer.* 2 no. 6:1091-1094 N-D '62.

IONOSPHERIC RADIO WAVE PROPAGATION

Anomalous absorption in the polar cap. G. M. Khocho-lava. *Geomag. i aer.* 2 no. 6:1095-1102 N-D '62.

IONS

Effect of diffusion on the relation between the intensity of proton resonance lines and the concentration of paramagnetic ions. A. A. Popel', E. D. Grazilennikov. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:86-89 Ja '63.

Energy resolution of silicon p-n detectors in the recording of heavy ions. D. G. Alkhazov and others. *Izv. AN SSSR, Ser. fiz.* 16 no. 12:1508-1507 D '62.

Microscopic analysis of lattice distortions due to impurities [with summary in English]. I. S. Zhukov, V. S. Oskotskii. *Zhur. eksp. i teor. fiz.* 43 no. 6:2261-2262 D '62.

On local distortions of crystal lattices by impurity ions [with summary in English]. M. I. Kornafel'd, V. V. Lemnov. *Zhur. eksp. i teor. fiz.* 43 no. 6:2021-2023 D '62.

IONS—MIGRATION AND VELOCITY

Transport number and mobility of lithium ions in aqueous solutions of LiNO₃. E. A. Bakulin. *Zhur. fiz. khim.* 36 no. 12:2782-2784 D '62.

IRAN—FOREIGN RELATIONS—RUSSIA

History of Russo-Iranian relations and A. S. Griboedov's diplomatic work. I. K. Enkolopov. *Ist. filol. zhur.* no. 4:143-151 '62.

IRAN—LAND TENURE

The land reform in Iran. V. Medvedev. *Nov. vrem.* 20 no. 7:22-23 F '63.

IRAN—LOCUSTS—EXTERMINATION

Results of the 12th Soviet-Iranian conference on quarantine and plant protection. V. V. Kosov. *Zashch. rast. ot vred. i bol.* 5 no. 6:60-61 Je '60.

IRANIAN LITERATURE—HISTORY AND CRITICISM

Komissarov, D. S. [Some characteristics in the development of the basic genres of modern Persian literature] *O nekotorykh osobennostyakh razvitiia osnovnykh zhanrov sovremennoi persidskoi literatury*. Moskva, Izd-vo vostochnoi lit-ry, 1960, 9 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)

IRAQ—POLITICS AND GOVERNMENT

Why a coup d'état happened in Iraq; analysis of facts and some conclusions. G. Mirskii. *Nov. vrem.* 20 no. 8:10-12 F '63.

IRBIT—MOTORCYCLES—TESTING

Over sand and mountains. A. Demin. *Za rul.* 20 no. 12:19 D '62.

IRELYAKH VALLEY—FROZEN GROUND

Characteristics of the formation of ice in the active layer of the Irel'yakh Valley. E. B. Bolopukhova. *Merz. lesi.* no. 1:80-76 '61.

IRIDIUM—ISOTOPES

Level scheme of Ir¹⁸⁹ excited by electron capture in p¹⁸⁰. L. N. Krikhova and others. *Izv. AN SSSR, Ser. fiz.* 16 no. 12:1492-1494 D '62.

IRIDIUM—SPECTRA

Relative intensities of the Ir¹⁹⁴ γ-line in the 860-2130 Kev. energy range. V. D. Vitman, N. A. Volnova, B. S. Dzholopov. *Izv. AN SSSR, Ser. fiz.* 16 no. 12:1475-1479 D '62.

IRKUTSK PROVINCE—OIL SANDS—PERMEABILITY

Effect of some lithological factors on reservoir properties of Lower Cambrian rocks in the Irkutsk amphitheater. V. N. Kalacheva. *Trudy VNIIGRI* no. 180: 144-140 '62.

IRKUTSK PROVINCE—PASTURE RESEARCH

Production of herbage by plants and phytocenoses during one season. A. A. Gershkova. *Trudy Vost.-Sib. biol. inst. SO AN SSSR* no. 1:100-113 '62.

IRKUTSK PROVINCE—QUARTZITE

Irkutsk Province quartzites as a raw material for the production of dinas brick. T. S. Ignatova, N. V. Semkina. *Trudy Vost. inst. ognep. no. 2:186-188 '60*.

IRKUTSK PROVINCE—SMUTS

Diseases for wheat seeds. A. M. Babasian. *Zashch. rast. ot vred. i bol.* 5 no. 3:28 Mr '60.

IRKUTSK PROVINCE—SWAMPS

Nature of swamps in Irkutsk Province. V. G. Baryshnikov. *Trudy Vost.-Sib. biol. inst. SO AN SSSR* no. 1:61-69 '62.

IRKUTSK PROVINCE—WHEAT

Disinfectants for wheat seeds. A. M. Babastan. Zashch. rast. ot vred. i bol. 5 no. 3:28 Mr '60.
Every hectare of land should be used to produce large crops. M. A. Balabolin. Zemledele 24 no. 11:18-23 N '62.

IRKUTSK PROVINCE—WOODWORKING INDUSTRIES—FIRES AND FIRE PREVENTION

Idle paper resolutions. K. Shechik. Pozh. delo 9 no. 1: 10-11 Ja '63.

IRON

Removal of iron and other metallic impurities from spent chromate electrolytes. T. V. Ionatamishvili. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:93-104 '62.
Zhelev, N. P., and others. [Commercially pure iron] Tekhnicheski chisto zhelezo. Moskva, Metallurgizdat, 1962. 198 p.

IRON—ANALYSIS

Chromoxane Violet P, a reagent for a total or separate determination of microgram quantities of aluminum and iron. Part 1: Determination of aluminum and iron in natural waters. N. F. Lisenko, I. S. Mustafin, L. A. Melot. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 5 no. 5:712-716 '62.

IRON—BRITTLENESS

"Step" formation fracture surfaces during the brittle failure of commercial-grade iron. B. S. Kasatkina, Zh. N. Strizheva. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:112-124 N-D '62.

IRON—HYDROGEN CONTENT

Effect of the composition of a solution on the diffusion rate of electrolytic hydrogen through metallic diaphragms. Part 1: Diffusion of hydrogen through iron diaphragms [with summary in English]. I. A. Bagotskaya, Zhur. fiz. khim. 36 no. 12:2657-2673 D '62.

IRON—METALLURGY

Determining the kinetic characteristics of the reaction in the interaction of iron with molten slag. V. A. Grigor'yan, E. Mikhailik, Khan' Ch'i-hun [Han Ch'i-hung]. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6: 27-31 N-D '62.
Investigating the kinetics of the reduction of ore-coal pellets. I. I. Kozhevnikov. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:12-26 N-D '62.
Mechanism of evaporation and the pressure of sulfur vapors on iron-carbon-sulfur melts. V. T. Burtsov, R. A. Karasev, A. M. Samarin. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:32-36 N-D '62.
New methods for the production of iron and steel (from "Stahl und Eisen," no. 22, 1961; "Iron and Steel Engineer," no. 36, 1959). A. A. Shitova. Met. i gornorud. prom. no. 5:88-89 S-O '62.
Reduction of oxidized iron ores by natural gas. A. I. Stezhenskii. Met. i gornorud. prom. no. 5:88-90 S-O '62.
Second plenum of the Scientific Technological Society for Ferrous Metallurgy. A. Novikov. Metallurg 8 no. 1:34-35 Ja '63.

IRON ALLOYS see subdivision under France

IRON ALLOYS—SPECTRA

Composition of the vaporous phase in spectrum analysis of high iron alloys [with summary in English]. O. I. Nikitina. Ukr. fiz. zhur. 7 no. 5:515-522 My '62.
Effect of the material of the supporting electrode on the ratio of elements in the vaporous phase in spectrum analysis of ferrous metals [with summary in English]. O. I. Nikitina and others. Ukr. fiz. zhur. 7 no. 5:523-530 My '62.

Topalov, L. I. A. B. Shavrich, and S. D. Shubina. [Spectrum analysis of ferroalloys] Spektroanaliz ferrosplavov. Sverdlovsk, Metallurgizdat, 1962. 288 p.

IRON-ALUMINUM ALLOYS

Production and use of iron-aluminum alloys abroad. I. M. Pavlov, G. N. Mekhed, V. A. Suvorov. Bluf. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:75-79 '62.

IRON AND STEEL PLANTS

[see also subdivision under Central Black Earth region; Dnepropetrovsk Province; Krivoy Rog Basin; Kuznetsk Basin; Rostov, Rumania]

Stokova, N. N. [First metallurgical plants in Russia] Pervye metallurgicheskie zavody Rossii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 104 p.

Use of natural gas in ferrous metallurgy. Bluf. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:3 '62.

IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES

Modernization of metallurgical bridge-type cranes. S. A. Kazak. Trudy Ural. politekh. inst. no. 119:78-83 '62.

IRON AND STEEL PLANTS—PRODUCTION STANDARDS

For a continued expansion of ferrous metallurgy. M. A. Pertsev, S. M. Filippov. Metallurg 8 no. 1:1-3 Ja '63.

IRON AND STEEL WORKERS

Metalworkers are learning. M. Kh. Liberman. Metallurg 8 no. 1:31-32 Ja '63.
Potentialities of increased labor productivity in blast furnace practice. A. A. Logovatski. Stal' 22 no. 12:128-133 D '62.

IRON AND STEEL WORKERS—DISEASES AND HYGIENE

Improving working conditions in entering plants. V. A. Serebriakov, M. G. Chernakov. Metallurg 8 no. 1:11 Ja '63.

IRON AND STEEL WORKERS—EDUCATION AND TRAINING see subdivision under Temir-Tau

IRON-CARBON-CHROMIUM ALLOYS

Some problems in the geometry of the phase diagrams of iron-carbon-chromium alloys. A. A. Zhukov. Zhur. fiz. khim. 36 no. 12:2787-2790 D '62.

IRON CHLORIDE

Preparative partition of titanium and iron chlorides by gas adsorption chromatography. L. G. Vlasov, I. U. N. Sychev, A. V. Lapitskii. Vest. Mosk. un. Ser. 2:Khim. 16 [i. e. 17] no. 6:55-57 N-D '62.

IRON ELECTRODES see Electrodes, Iron

IRON FOUNDRY

Chilling of castings by the method of local internal annealing. L. I. Kozhinskii. Izv. vys. ucheb. zav. i khim. met. 5 no. 12:146-152 '62.
Organizing the area for correcting the defects of iron castings. P. S. Elistratov. Mashinostroenie no. 5:80-101 S-O '62.

IRON GROUP

Effect of alloying on the surface tension of iron group metals. V. I. Tumanov and others. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:43-48 N-D '62.

IRON HYDROXIDES

Adsorption in the system $Fe_2O_3 \cdot H_2O - MgSO_4 - MgCl_2$ [with summary in English]. P. S. Meleshko. Koll. zhur. 24 no. 6:721-723 N-D '62.

IRON INDUSTRY see subdivision under Donetsk Economic region; Mamadysh District; Scythia; United States; Ural Mountain region

IRON INDUSTRY—COSTS

Potentialities of cost reduction of the production of metallurgical plants. S. V. Lazarev, A. N. Borodavkin, E. A. Drozhin. Stal' 22 no. 12:124-129 D '62.

IRON INDUSTRY—HYGIENIC ASPECTS see subdivision under Sverdlovsk Province

IRON MINES AND MINING

[see also subdivision under Krivoy Rog Basin; Kustanay Province; Rudnyy, Kazakhstan]
Iron ore industry of the U. S. S. R. in the period 1959 to 1962. L. M. Feigin. Gor. zhur. no. 1:8-15 Ja '63.

IRON-MOLYBDENUM ALLOYS

Effect of weak concentrations of zirconium, niobium, and molybdenum on the self-diffusion of iron. V. V. Sanadze, T. A. Tsvitsvayadze, K. G. Tatrishvili. Izv. vys. ucheb. zav. i fiz. no. 6:38-43 '62.

IRON-NICKEL ALLOYS see Nickel-Iron alloys

IRON-NICKEL-CHROMIUM ALLOYS—METALLOGRAPHY

Characteristics of the structure of high-strength two-layer rolls of chromium-nickel cast iron. A. E. Krivosheev, I. U. N. Taran. Izv. vys. ucheb. zav. i khim. met. 5 no. 12:131-137 '62.

IRON-NIOBIUM-ZIRCONIUM ALLOYS

Effect of weak concentrations of zirconium, niobium, and molybdenum on the self-diffusion of iron. V. V. Sanadze, T. A. Tsvitsvayadze, K. G. Tatrishvili. Izv. vys. ucheb. zav. i fiz. no. 6:38-43 '62.

IRON ORES see subdivision under Caucasus, Northern

IRON ORES—CONGRESSES

Second Conference of the Scientific Technological Society for Ferrous Metallurgy. S. I. Pevzner. Gor. zhur. no. 5:77 My '62.

IRON OXIDE

Reaction of dimethyldichlorosilane with iron oxide. K. A. Andrianov and others. Zhur. ob. khim. 32 no. 12:3951-3952 D '62.

IRON PLATING

Cathodic polarization in iron electrodeposition. A. L. Rodin, V. V. Sysoeva. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 5 no. 5:782-787 '62.

IRRIGATION see subdivision under Georgia; Golodnaya

Steppe; Great Chu Canal region; Karshi Steppe; Kurgan-Tiube region; Mokong Valley; Stavropol Territory; Uzbekistan; Volga Valley

IRRIGATION CANALS AND FLUMES

[see also subdivision under Georgia]

Erosion by periodic-action canals. T. G. Zhordania. Trudy Gruz. NIIGIM no. 21:145-148 '60.
Increase of turbidity along irrigation canals as a result of filtration losses of water and erosion of the stream bed. I. S. Iakovlev. Izv. AN Mold. SSR no. 9:76-78 '62.

IRRIGATION FARMING

[see also subdivision under Alazani Valley; Karshi Steppe; Tajikistan]

Intensification of agricultural use of snow water basins [with summaries in English, German, and French]. V. S. Dmitriev. Vest. sel'khoz. nauki 7 no. 11:111-123 N '62.

IRRIGATION LAWS see subdivision under White Russia

IRTYSH—NONFERROUS METAL INDUSTRIES

Production and plan discrepancies. N. Faizulin. Nar. khoz. Kazakh. 20 no. 10:17-20 O '62.

ISAAKIAN, AVETIK, 1875-

Sources of Avetik Isakian's story "Lilit." K. N. Grigor'yan. Izv. AN Arm. SSR. Obshchestv. nauki no. 12:61-68 D '61.
Unknown letters of Avetik Isakian [in Armenian with summary in Russian]. A. M. Indzhikian. Ist.-filol. zhur. no. 4:171-192 '62.

ISOLLOXAZINE

Allo- and isalloxazine series. Part 8: Synthesis of galactoflavine, antagonist of the vitamin-B₂. V. M. Berezovskii, T. V. Ereminenko. Zhur. ob. khim. 32 no. 12:4056-4059 D '62.

ISOCYANIDES

Reactions of isonitriles with amine salts. I. V. Mitin, V. R. Glushenkova, G. P. Vlasov. Zhur. ob. khim. 32 no. 12:3667-3671 D '62.

ISOMERISM

On the genetic relation between the isomer states of Ho¹⁶⁰. E. P. Grigor'ev, G. S. Novikov, V. O. Sergeev. Izv. AN SSSR. Ser. fiz. 16 no. 12:1523-1524 D '62.
Study of isomeric transitions with a half-life of 10⁻⁴ to 10⁻¹ sec. in even-even nuclei. V. V. Remnev, I. U. S. Korda, A. P. Klucharev. Izv. AN SSSR. Ser. fiz. 27 no. 1:125-131 Ja '63.

ISOMERIZATION

Chemistry of cyclopentenones. Report No. 6: Conversions of erythro- and threo isomers of 3,5-dimethyl-5-(α -acetoxyethyl)-cyclopentenones. A. N. Elizavova, T. E. Pozdnyakova, A. A. Akhrom. Izv. AN SSSR. Otd. khim. nauk no. 1:129-136 '63.
Conjugation factors in cyclic systems. Report No. 4: Regularities in alkaline isomerization of double bonds in $\Delta^1,4$ -cyclohexenedione-1,2- and 3,6-dihydroindan-4,5-dicarboxylic acids. N. I. A. Grigor'eva, V. F. Kucherov. Izv. AN SSSR. Otd. khim. nauk no. 12:2196-2201 D '62.

Conjugation factors in cyclic systems. Report No. 5: Mutual transformations and the kinetics of isomerization of hexalin-1,2-dicarboxylic acids under the influence of alkalis. V. F. Kucherov and others. Izv. AN SSSR. Otd. khim. nauk no. 1:137-145 '63.

Orientation during substitution in the aromatic series. Part 11: Isomerization of trichlorobenzenes. I. U. G. Erykalov, A. A. Spryskov, E. M. Efimova. Zhur. ob. khim. 32 no. 12:4025-4028 D '62.

ISOMERS

Substituted cyclopentadienes and related compounds. Part 6: Tetramethylcyclopentadiene as an equilibrium mixture of isomers. V. A. Mironov and others. Zhur. ob. khim. 33 no. 1:84-91 '63.

ISOMERS—SPECTRA

Spectroscopic determination of the isomeric composition of reaction products. I. A. V. Rashkeva. Izv. AN SSSR. Ser. fiz. 27 no. 1:32-35 Ja '63.

ISOPENTYL ALCOHOL

Effect of structural factors on the thermodynamic characteristics of basic dye salts. Part 2: Extraction with isomyl alcohol. K. S. Krasnov, F. D. Kashirina. Radiokhimiya 4 no. 8:638-646 '62.

ISOPRENE

Mechanism of the hydrogenation of isoprene and its binary mixtures with isomylene. L. Kh. Fredkin and others. Neftekhimiya 2 no. 5:670-675 S-O '62.

Preparation of isoprene from dimethyldioxane. Part 1: Role of a catalyst and of a carrier. Zh. Gershkovich and others. Zhur. ob. khim. 32 no. 12:3987-3990 D '62.

Preparation of isoprene from dimethyldioxane. Part 2: Hydrolysis of 4-alkyl-1,3-dioxanes. Zh. Gershkovich and others. Zhur. ob. khim. 32 no. 12:3990-3992 D '62.

Preparation of isoprene from dimethyldioxane. Part 3: Acidity and activity of a cracking catalyst. Zh. Gershkovich and others. Zhur. ob. khim. 32 no. 12:3992-3997 D '62.

ISOPROPYL ALCOHOL

Effect of the acidity of oxide catalysts on their catalytic activity. Part 2: Dehydration of isopropyl alcohol. V. A. Dais'ko and others. *Kin. i kat.* 3 no. 5:728-733 S-O '62.

Separation of hydrogen, carbon, and oxygen isotopes during the rectification of isopropanol. I. A. D. Zel'venski, A. A. Efremov. *Izv. vya. ucheb. zav. i khim. i khim. tekhn.* 5 no. 5:727-730 '62.

ISOPROPYLAMINE

Catalase active systems. Part 3: System Cu²⁺-isopropylamine. T. F. Vorob'eva, A. P. Purmal'. *Zhur. fiz. khim.* 36 no. 12:2780-2782 D '62.

ISOTHERMS see Atmospheric temperature

ISOTOPE SEPARATION

Isotope effect in elastic proton-nucleus scattering. A. K. Vait'ov, A. P. Klucharov. *Atom. energ.* 14 no. 1:48-58 Ja '63.

Separation of hydrogen, carbon, and oxygen isotopes during the rectification of isopropanol. I. A. D. Zel'venski, A. A. Efremov. *Izv. vya. ucheb. zav. i khim. i khim. tekhn.* 5 no. 5:727-730 '62.

ISOTOPES

Isotope center at Warsaw. *Atom. energ.* 14 no. 2:228-230 F '63.

Isotopes. O. Brods'kiy. *Nauka i zhytlya* 12 no. 7:26-27, 37 JI '62.

ISOTOPES—SPECTRA

Radiations from P³², P³³, C¹³³, and Br⁷⁸. S. S. Vasil'ev, L. I. A. Shavtalo. *Izv. AN SSSR, Ser. fiz.* 16 no. 12:1495-1497 D '62.

ISOXAZOLIDINONE

Derivatives of hydroxylamine. Report No. 4: Synthesis of cyclohexanone (homocyclohexanone) and related compounds. R. M. Khomutov, M. I. A. Karpeiskii, E. S. Severin. *Izv. AN SSSR, Otd. khim. nauk* no. 12:2161-2166 D '62.

ISSYK-KUL' REGION—HUMUS

Nature of the accumulation and decomposition of plant residues in irrigated light-brown soils in the Issyk-Kul' Depression. R. Karabalaeva. *Izv. Kir. fil. Vses. ob-va pochl.* no. 1:27-32 '62.

ISSYK-KUL' REGION—JUNIPER

Mineralogical characteristics of the silt fraction and chemical composition of mountain forest soils in juniper stands in the Issyk-Kul' Depression. D. Kozhekov. *Izv. Kir. fil. Vses. ob-va pochl.* no. 1:13-25 '62.

ISSYK-KUL' REGION—RIVERS

Possibility for increasing the irrigation capacity of the rivers in the Issyk-Kul' Basin. G. N. Golubev. *Vest. Mosk. un. Ser. 5:Geog.* 17 no. 4:72-74 JI-Ag '62.

ISSYK-KUL' REGION—SOILS—ANALYSIS

Mineralogical characteristics of the silt fraction and chemical composition of mountain forest soils in juniper stands in the Issyk-Kul' Depression. D. Kozhekov. *Izv. Kir. fil. Vses. ob-va pochl.* no. 1:13-25 '62.

ISTRIA—ANTIQUITIES

Condurachi, Em. [Istria] Istria. Bucharest, Izd-vo "Moldavia," [n. d.] 31 p. illus. (Pamiatniki Rumynii)

ISTRINA, EVGENIYA SAMSONOVNA, 1883-?

E. S. Istrina on teaching the modern Russian language. E. I. Korotkova. *Rus. faz. v shkole* 23 no. 6:95-98 N-D '62.

ITALY—AUTOMOBILES

Flat automobiles in 1962. B. A. Kurov. *Avi. prom.* 26 no. 12:38-41 D '62.

ITALY—COMMUNIST PARTY—CONGRESSES

A congress marked by unity. A. D. Iakov. *Part. zhizn'* no. 1:63-68 Ja '63.

ITALY—MOTION-PICTURE PLAYS

A man left to his own resources. I. Solov'eva. *Isk. kino* no. 10:51-54 O '62.

People of Italy on the screen. M. Sanin. *Isk. kino* no. 10:50-51 O '62.

ITALY—WOMEN AND PEACE

Italian women for a world without wars and armament. Baldina de Vittorio Berté. *Zhen. mira* no. 4:16-17 '62.

ITURUP ISLAND—PUMICE

Recent data on the material and chemical composition of pumice rocks on the islands of Iturup and Kunashir (Kurile Islands). O. I. Bent. *Dokl. AN SSSR* 147 no. 6:1441-1443 D '62.

IUDAKOV, SULEIMAN, 1910-

Vygo, T. S. [S. Iudakov's comic opera "Malsara's escapades"; an analysis] *Komicheskaya opera S. Iudakova "Prodelki Malsary"; poiasnenie.* Moskva, Sovetskii kompozitor, 1962. 63 p.

IUDIN, SERGEI SERGEEVICH, 1891-1954

In the name of life. P. Iudin. *NTO* 4 no. 11:28-30 N '62.

IUKHNOV—CONSTRUCTION INDUSTRY

Iukhnov builders improve their work. M. Shulenin. *Sol'. stroi.* no. 12:8-8a D '62.

IURKEVICH, IVAN DANILOVICH, 1902-

Ivan Danilovich Iurkevich; on his 60th birthday. V. S. Gel'tman, E. A. Kruganova. *Bot. zhur.* 47 no. 11:1703-1705 N '62.

IVANOV, ALEKSANDR ANDREEVICH, 1806-1858

Ivanov, A. A. Aleksandr Andreevich Ivanov. Moskva, Gos. Izd-vo izobraz. iskus., 1962. [12] p. illus. (*Mastera russkogo iskusstva*)

IVANOVO—ACCLIMATIZATION (PLANTS)

Ivanovo Acclimatization Garden. I. P. Petrova. *Biol. Glav. bot. snda* no. 47:98-101 '62.

IVANOVO—SOVIETS

How our deputies continue the unfinished work of their predecessors; a conference in the Executive Committee of the Ivanovo City Soviet. *Sov. deput. trud.* no. 9:42-44 S '62.

IVANOVO PROVINCE—EDUCATION OF CHILDREN

Schools at the institute. E. Kedrin. *Komsom. zhizn'* no. 22:21-22 N '62.

IVANOVO PROVINCE—LABOR AND LABORING CLASSES—MEDICAL CARE

After the publication in our periodical. I. Markonzon. *Sots. obesp.* 23 no. 11:49 N '62.

IVANOVO PROVINCE—TEXTILE INDUSTRY

Mechanization of auxiliary operations in textile plants of the Ivanovo Economic Council. A. A. Nikol'skii, M. S. Melamed. *Mekh. i avtom. proizv.* 16 no. 12:18-23 D '62.

IVANTEYEVKA—ARBORETUMS

Arboretum of the Ivanteyevka Breeding and Experimental Forest Nursery [with summaries in English, German, and French]. *Vest. sel'khoz. nauki* 7 no. 10:124-129 O '62.

IVDEL' REGION—PASTURES AND MEADOWS

Meadows of the river valleys of the Ivdel' region in the Urals. M. M. Storozheva. *Trudy Inst. biol. UFAN SSSR.* no. 28:3-37 '62.

IZHEVSK—CHRONIC DISEASES

Effectiveness of dispensary treatment of patients suffering from diseases with a protracted course; based on the experience of the Izhevsk Metallurgical Plant. M. I. Zhelevskaya. *Zdrav. Ros. Feder.* 6 no. 12:9-10 D '62.

JAPAN—COMMERCE—RUSSIA

The new Soviet-Japanese trade agreement. V. Spandarian. *Nov. vrem.* 20 no. 6:7-8 F '63.

JAPAN—DESCRIPTION AND TRAVEL

In the world of two thousand hieroglyphs. L. Vol'nov. *Sov. pech.* no. 12:51-54 D '62.

JAPAN—EARTHQUAKES

[Engineering analysis of the results of earthquakes in Japan and the U.S.A. Translated from the English] *Inzhenernyi analiz posledstviy zemlotraseni v Yaponii i SShA.* Moskva, Gosstroizdat, 1961. 192 p.

JAPAN—FOREIGN ECONOMIC RELATIONS—EUROPE, WESTERN

Japan and the "Common Market." B. Pospelov. *Az. i Afr. seg.* no. 1:9-11 Ja '63.

JAPAN—FOREIGN RELATIONS—KOREA, SOUTH

Ambassador Lee Son Yun on the Tokyo talks; an interview. *Nov. vrem.* 20 no. 3:18-19 Ja '63.

JAPAN—FOREIGN RELATIONS—UNITED STATES

"History of the postwar Japan" Vols. 1-4 [in Japanese]. Reviewed by B. Poletsov. *Mezhdunar. zhizn'* 10 no. 3:136-138 Mr '63.

Konkyusha Kondankai. [The new Japanese-American "security treaty." Abridged translation from the Japanese] *Novyi japonsko-amerikanskii dogovor bezopasnosti.* Red. N. F. Palsov. Moskva, Izd-vo inostr. lit-ry, 1962. 191 p.

JAPAN—INTELLECTUAL LIFE

Yanagida, Kenjuro. [Ten years on the road of materialism. Continuation of the book "The evolution of my philosophy." 10 let po puti materializma. Prodolzhenie knigi "Evolutsiya moego mirovoz-zreniya." Moskva, Izd-vo Sotsial'no-ekon. lit-ry, 1961. 180 p. (NNC)]

JAPAN—LABOR AND LABORING CLASSES

Economic demands of the working youth of Japan. Minoru Maeda. *Mol. mira* no. 11:24-25 '61.

Winter offensive of the Japanese workers. V. Chekhonin. *Nov. vrem.* 20 no. 3:16-17 Ja '63.

JAPAN—PHOTOGRAPHY

Japan's photography today. Katsuo Okamoto. *Sov. foto* 22 no. 12:25 D '62.

JAPAN—RELATIONS (MILITARY) WITH THE UNITED STATES

Ten thousand in Tokio. Rosa Iasovich. *Zhen. mira* no. 11:6-7 '62.

U.S. strategy in the Far East and her armed forces in Japan. *Mezhdunar. zhizn'* 10 no. 2:146-147 F '63.

JASPER see subdivision under Orsk District

JASPERS, KARL, 1883-

Critical evaluation of K. Jaspers' philosophical and historical ideas. I. I. A. Filit. *Uch. zap. Orekh. -Zuev. ped. inst.* 12:265-340 '58.

JAUNDICE

Study of group and its factors in maternal and fetal blood [with summary in English]. G. D. Kytmanova. *Vop. okh. mat. i det.* 7 no. 9:58-60 S '62.

JAUNDICE, SPROCHAETAL see Weil's disease

JAWS

Datsenko, M. F., and M. V. Fetysov. [Local anesthetics of the maxillo-facial areas] *Mistseve obezboivannia v shchelopno-lyts'ovi diltantal.* Kyiv [Derzhmedvydav] USSR, 1959. 163 p. (DNLN)

JEANNERET-GRIE, CHARLES EDOUARD, 1867-

On Le Corbusier's 75th birthday. *Arkhit. SSSR* no. 12:36-42 '62.

JEBELEANU, EUGEN

"The smile of Hiroshima" [in Rumanian] by Eugene Jebelleanu. Book review. *Zhen. mira* no. 2:32 '62.

JENGHIS KHAN, 1162-1227

"Jenghis Khan" by Han Ju-lin. Abstract from "Lishih yenchiu," no. 3, '62 by V. A. Rublin. *Sov. kit. lit. po obshchestv. naukam* no. 49:54-58 '62.

JERUSALEM ARTICHOKE

Hybrid of Jerusalem artichoke with sunflower in Novgorod Province. R. V. Karishnev. *Agrobiologia* no. 6:936 N-D '62.

JESUS CHRIST—APOCRYPHAL AND LEGENDARY LITERATURE

S. S. Orbellian's sermon "On the crucifixion" and its apocryphal source [in Georgian with summary in Russian]. *Torniko Chkontia.* *Izv. Inst. ruk. AN Gruz. SSR* 3:27-32 '61.

JET STREAM

Jet stream clouds. A. D. Zamorski. *Priroda* 52 no. 1:104-106 '63.

JETS

Propagation of a plane jet system. M. A. Izumov, D. M. Khomallan, O. V. Iakovlevskii. *Inzh. zhur.* 2 no. 4:269-277 '62.

JEWELRY TRADE

(see also subdivision under Ramenskoye District) *Ornamanta for women.* M. Gairov. *Sov. potreb. kooop.* 6 no. 12:55-56 D '62.

JIGS AND FIXTURES

Multiple-machining jig. S. A. Kotlarov. *Mashino-stroenie* no. 5:107 S-O '62.

Fudin, S. N. [Assembling devices] *Montazhnye priso-soblennia.* Izd. 2. Moskva, Mashgiz, 1962. 64 p. (Biblioteka slesaria-montazhnika, no. 8)

JOINTS (GEOLOGY) see subdivision under Daghestan

JORDAN—CIVIL RIGHTS

Condemned for desiring peace. Miriam. *Zhen. mira* no. 4:27-28 '62.

JOURNALISM

Check seven times, write once. A. Sudachkov. *Sov. pech.* no. 1:27-28 Ja '63.

Conscience and courage of a journalist. Magomet Khunkaev. *Sov. pech.* no. 12:24-27 D '62.

From month to month. *Sov. pech.* no. 1:63 Ja '63.

And good feelings... B. Pankin. *Sov. pech.* no. 1:42-44 Ja '63.

Increase the effectiveness of the Soviet press. *Part. zhizn'* [Uzb.] 5 no. 11:21-23 N '62.

Letters to the editor. *Sov. pech.* no. 1:54-55 Ja '63.

More organizers. V. Minskoy. *Sov. pech.* no. 12:22 D '62.

Newspaper work and statistics. A. Friman. *Sov. pech.* no. 12:9-12 D '62.

Silence means suppression. L. Makarov. *Sov. pech.* no. 12:27-28 D '62.

The sketch in a "thin" magazine. T. Teodorov. *Sov. pech.* no. 1:30 Ja '63.

Titles are always important. Z. Bliskovskii. *Sov. pech.* no. 1:25-26 Ja '63.

JOURNALISM (Continued)

To the workers for the soviet. E. Kamenetskii. Sov. pech. no. 12:28-31 D '62.
Today we have with us participants in the plenum of the Central Committee of the CPSU. Sov. pech. no. 12: 3-8 D '62.
Where has the news gone? L. Lerov. Sov. pech. no. 12: 13-17 D '62.
With difficulty, with trouble? But with joy! I. U. Sorokin. Sov. pech. no. 12:22-23 D '62.
"The writer in the newspaper" by Mikhail Kol'tsov. Sov. pech. no. 12:40 D '62.

JOURNALISM, AGRICULTURAL

Disseminators of progressive practice. N. L. Krasko. Uchet i fin. v kolkhoz. i sovkh. 19 no. 5:49 My '62.
Our authors' activist group. Uchet i fin. v kolkhoz. i sovkh. 19 no. 5:47-48 My '62.
Under the magnifying glass of observation. A. Raspevin. Sov. pech. no. 1:12-14 Ja '63.

JOURNALISM, LABOR

How it was done. B. Efimov. Sov. pech. no. 1:15-19 Ja '63.
People's inspection. E. Iakovlev. Sov. pech. no. 1:8-11 Ja '63.

JOURNALISM, MILITARY see subdivision under Rumania

JOURNALISTS

(see also subdivision under Leningrad)
Forum of journalists from 59 countries. I. Dzhrkvelov. Sov. foto 22 no. 1:10 N '62.
Preserve the honor of journalists. A. Il'ina. Sov. pech. no. 1:37-38 Ja '63.

JUDGES

A sense of noble duty. L. L'vov. Sov. iust. no. 1:25 Ja '63.

JUDICIAL ASSISTANCE

Implementation of foreign civil laws according to judicial assistance treaties between the U.S.S.R. and socialist countries; the problems of civil procedure. D. D. Averin. Vest. Mosk. un. Ser. 10: Pravo 17 no. 4:49-58 O-D '62.

JUDICIAL ERROR

A letter to the editor. A. Denisenko, P. Zhukov. Sov. iust. no. 21:14-15 N '62.

JUDICIAL PROCESS

Moscow. Vseschuznyi institut iuridicheskikh nauk. [Theoretical comments on judicial practice in civil and criminal cases] Nauchnyi kommentarii sudebnoi praktiki po grazhdanskim i ugolovnym delam. Otv. red. A. A. Ruskol. Moskva, Gosizdat, 1962. 189 p.

JUMPING PLANT LICE see subdivision under Leningrad Province

JUNCTION TRANSISTORS

Emissivity of a diffusion p-n junction [with summary in English]. I. O. Tikhonik. Ukr. fiz. zhur. 7 no. 5:478-482 My '62.

JUNIPER see subdivision under Issyk-Kul' region

JURISDICTION

Jurisdictional problems in the proposed civil procedure codes of the Union Republics. V. Taranenko. Sov. iust. no. 1:14-16 Ja '63.

JUSTICE, ADMINISTRATION OF

(see also subdivision under Azerbaijan; Kuybyshev; Rumania)

Follow-up of unpublished letters to the editor. Sots. zakon. 40 no. 1:70 Ja '63.

How the Soviet public helps to maintain socialist law and order. G. Bakharov and others. Sots. zakon. 39 no. 12:32-38 D '62.

How they observe Soviet laws in your region? A review of the deputies' letters to the editor. Sov. deput. trud. no. 6:56-58 Je '62.

Let us ensure a strict observance of Soviet industrial and agricultural laws. Sots. zakon. 39 no. 12:3-6 D '62.

Our objectives. L. Smirnov. Sov. iust. no. 24:1-4 D '62.

Significance of the decisions of the 22d Congress of the CPSU for the development of Soviet jurisprudence. E. A. Prikladnikov. Sov. gos. i pravo 33 no. 2:135-138 F '63.

JUTE—DISEASES AND PESTS see subdivision under Tashkent Province

JUVENILE DELINQUENCY

(see also subdivision under Latvia; Novosibirsk)

Judicial practice in juvenile delinquency cases. P. Lukin. Sots. zakon. 40 no. 1:56-58 Ja '63.

Legal representatives of minors in criminal procedure. L. Novobratskii. Sov. iust. no. 24:10-11 D '62.

KARA-KALPAK A. S. S. R.—GAS, NATURAL—GEOLOGY

Akademii nauk Uzbekskoi SSR, Tashkent. Institut geologii i razrabotki neflianykh i gazovykh mestorozhdenii. [Geology and some problems of oil and gas potentials in the Kara-Kalpak A. S. S. R.] Geologiya i nekotorye voprosy neftegazonosnosti Karakalpakii. [By] A. M. Akramkhodzhaev. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 102 p.

KARA-KALPAK A. S. S. R.—PETROLEUM GEOLOGY

Akademii nauk Uzbekskoi SSR, Tashkent. Institut geologii i razrabotki neflianykh i gazovykh mestorozhdenii. [Geology and some problems of oil and gas potentials in the Kara-Kalpak A. S. S. R.] Geologiya i nekotorye voprosy neftegazonosnosti Karakalpakii. [By] A. M. Akramkhodzhaev. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 102 p.

KABARDINO-BALKAR A. S. S. R.—CONSTRUCTION

INDUSTRY
Construction workers of the "Primalkinskiy" state farm register new achievements. A. Trofimov. Sel'. stroi. 16 no. 1:7-9 Ja '62.

KABARDINO-BALKAR A. S. S. R.—FRUIT—DISEASES

AND PESTS
Testing new poisonous chemicals in controlling orchard pests and diseases in Kabardino-Balkaria. L. Kh. Kuzdokhova. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:171-174 '62.

KACHALOV, V. IA., d. 1941

Truth about General Kachalov. IU. Arkhangelskii, N. Abramskii. Sov. voen. 45 no. 2:41-42 Ja '63.

KACHALOV, VASILII IVANOVICH, 1875-1949

Let's enter Kachalov's house. IU. Repin, Sem'ina i skola 17 no. 12:28-29 D '62.

KAGAN—RAILROADS—TECHNOLOGICAL INNOVATIONS

Fruits of creative work. A. Pashkova. Part. zhizn' [Uzb.] 5 no. 11:74-75 N '62.

KAGARLYK DISTRICT—AGRICULTURE

"Intensive agriculture instead of grassland farming" by M. K. Pavlenko. Reviewed by S. S. Rubin. Voenykh sluzh. nauki 5 no. 12:108-110 D '62.

KAKHETIA—GEOLOGY, STRUCTURAL

Recent tectonics and the relief of western Azerbaijan and southeastern Kakhetia. M. A. Musatov. Uch. zap. AGU. Geol. i geog. ser. no. 1:47-52 '62.

KAKHETIA—GEOMORPHOLOGY

Geomorphology of the Iori highland. M. A. Musatov, A. V. Mamedov. Uch. zap. AGU. Geol. i geog. ser. no. 6:51-67 '61.

KALACH DISTRICT—SPRAYING AND DUSTING IN

AGRICULTURE
Highly specialized unit. P. S. Komarov. Zashch. rast. ot vred. i bol. 5 no. 10:7 O '60.

KALACH DISTRICT—SUGAR BEETS—DISEASES AND

PESTS
Highly specialized unit. P. S. Komarov. Zashch. rast. ot vred. i bol. 5 no. 10:7 O '60.

KALACHINSK—DESCRIPTION

On the 2701st kilometer. . . N. Khrabrova. Ogonek 40 no. 37:6-8 S '62.

KALACHINSKAYA—RAILROADS

On the 2701st kilometer. . . N. Khrabrova. Ogonek 40 no. 37:6-8 S '62.

KALE

Dietetic bread made with the addition of sea kale. M. G. Shadrin. Khleb. i kond. prom. 6 no. 12:28-29 D '62.

KALININ, MIKHAIL IVANOVICH, 1875-1946

Kalinin, M. I. [M. I. Kalinin in Uzbekistan; a collection of documents] M. I. Kalinin v Uzbekistane; sbornik dokumentov. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1961. 174 p. (CSI-II)

KALININ PROVINCE—ECONOMIC CONDITIONS

Kalinin. Pedagogicheskii institut. Estestvenno-geograficheskii fakul'tet. [Nature and the economy of Kalinin Province] Priroda i khoziaistvo Kalininskoi oblasti. Kalinin, 1960. 653 p. (Ilg: Uchenye zapiski) (MH)

KALININ PROVINCE—GEOGRAPHY

Kalinin. Pedagogicheskii institut. Estestvenno-geograficheskii fakul'tet. [Nature and the economy of Kalinin Province] Priroda i khoziaistvo Kalininskoi oblasti. Kalinin, 1960. 653 p. (Ilg: Uchenye zapiski) (MH)

KALININGRAD PROVINCE—POLITICS AND GOVERNMENT

Nilov, A. V. [The communal communist self-government] K obshchestvennomu kommunicheskomu samoupravleniyu v pomoshch' izuchaiushchim Programmu KPSS. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1962. 36 p. (Kommunizm - delo nashekh ruk)

KALININGRAD PROVINCE—TULAREMIA

Tularemia in Kaliningrad Province; an essay on its epidemiology. N. I. Sushkevich, K. N. Tokarevich. Trudy Len. inst. epid. i mikrobiol. 20:106-123 '59.

KALININSKIY DISTRICT (UZBEKISTAN)—COLLECTIVE FARMS—INCOME DISTRIBUTION

Bring order to wage payments. R. M. Mosheev. Uchet i fin. v kolkhoz. i sovkh. 19 no. 5:42-44 My '62.

KALINKOVICH DISTRICT—AGRICULTURAL WORKERS

Great conscience. V. Khilmanov. Komm. Del. 30 no. 11:38-43 N '62.

KAL'MIUS VALLEY—GEOLOGY, STRUCTURAL

Basic characteristics of the tectonics of the western wing of the Kal'mius-Torots Valleys. A. M. Dobrianskiy. Trudy Inst. geol. nauk. AN URSR. Ser. zah. geol. no. 1:133-142 '62.

KALMYCK LITERATURE

Elita. Kalmytskii nauchno-issledovatel'skii institut iazyka, literatury i islorii. [Kalmyck belles lettres are flourishing; materials of a conference devoted to Kalmyck literature and folklore] Kalmytskaya khudozhestvennaya literatura na pod'eme; materialy nauchnoi konferentsii, posvyashchennoi kalmytskoi khudozhestvennoi literature i fol'kloru. Elita, 1962. 133 p. [In Russian or Kalmyck] (MH)

KALUGA PROVINCE—AGRICULTURE—STUDY AND TEACHING

Deep roots. L. Ryzhov. Sots. obshch. 23 no. 0:46-49 S '62.

KALUGA PROVINCE—ECONOMIC CONDITIONS

Surgakov, A. K. [Toward a decisive goal] Na reshenie shchem rubezhe. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1961. 120 p. (MH)

KALUGA PROVINCE—LANDFORMS

Landform study of a state farm territory for agricultural purposes. K. V. Pashkang and others. Vest. Mosk. un. Ser. 5:Geog. 17 no. 4:6-14 Ji-Ag '62.

KALUGA PROVINCE—OFFICIALS AND EMPLOYEES

Frequent replacement of the chairmen of executive committees in Kaluga Province. Mikh. Iarovoi. Sov. deput. trud. no. 1:41-46 Ja '63.

KALUGA PROVINCE—OLD-AGE HOMES

In the care of the state. . . and a collective farm. Sots. obshch. 23 no. 11:40-41 N '62.

KAMA VALLEY—GEOLOGY, STRATIGRAPHIC

Some data on the boundary between Tertiary and Quaternary sediments in the lower Kama basin. N. IA. Kala. Trudy Kom. cheit. par. 20:160 '62.

KAMA VALLEY—WATER, UNDERGROUND

Some stages in the history of the hydrogeological development of the lower and middle Kama Valley. V. S. Kovalevskii. Izv. vys. ucheb. zav. i geol. i razv. 5 no. 9:100-106 S '62.

KAMBARKA—MACHINERY INDUSTRY

It looked smooth on the paper. L. Kozlovnikov. Sov. profsoyuz 18 no. 24:14-15 D '62.

KAMCHATKA—ARGILLIZATION

Conditions of argillization in the regions of alkali thermal waters of volcanic areas. S. I. Naboko, E. P. Ribichkina. Blul. Vulk. sta. no. 33:57-60 '62.

KAMCHATKA—ECONOMIC CONDITIONS

"Development and improvement of legislative bodies in the People's Republic of Bulgaria [in Bulgarian] by B. Spasov. Reviewed by A. Makhnenko. Sov. deput. trud. no. 9:87 S '62.
"Our Kamchatka is rich and beautiful" by K. P. Esaulenko. Reviewed by S. Nikolaev. Sov. deput. trud. no. 9:97 S '62.

KAMCHATKA—MINERAL WATERS

Conditions of argillization in the regions of alkali thermal waters of volcanic areas. S. I. Naboko, E. P. Ribichkina. Blul. Vulk. sta. no. 33:57-60 '62.

KAMCHATKA—RADIO OPERATORS

Romantic work in Kamchatka. A. Lemskii. Radio no. 1: 17-19 Ja '63.

KAMCHATKA—ROCKS, IGNEOUS—MAGNETIC PROPERTIES

Magnetic susceptibility of igneous rocks on Kamchatka and the Kurile Islands. E. K. Markhinin, V. B. Pugach. Blul. Vulk. sta. no. 33:44-46 '62.

KAMCHATKA—SEISMOLOGY—OBSERVATIONS

Seismic observations at the Kamchatka Volcanological Station in 1958. P. I. Tokarev. Blul. Vulk. sta. no. 33: 20-44 '62.

KAMCHATKA—STATE FARMS

On the bank of the rapid Kamchatka River. L. Korneshev, Komsoz. zhizn' no. 23:19-23 D '62.

KAMCHATKA—VOLCANIC ASH, TUFF, ETC.

Natural magnetization of ash beds in the region of the group of the Klyuchevskiy volcano. E. K. Markhinin, V. B. Pugach, S. N. Markhinina. Biol. Vulk. sta. no. 33: 47-56 '62.

KAMCHATKA—VOLCANOES

Astronomical expedition to the region of active volcanoes in Kamchatka. V. V. Sharonov. Vest. LGU 18 no. 1:156-158 '63.

Status of fumaroles of the Sheveluch and Bezmyannyy volcanoes in 1960. O. G. Borisov, I. B. Nikitina. Biol. Vulk. sta. no. 33:3-19 '62.

KAMENKA DNEPROVSKAYA—COINS, GREEK

Two notes on Scythian-Sarmatian archaeology. B. N. Grakov. Krat. soob. Inst. arkheol. no. 88:30-41 '62.

KAMENKA DNEPROVSKAYA—FIBULA (ARCHAEOLOGY)

Fibula with an inscription from the Lower Dniester Valley. E. A. Symonovich. Krat. soob. Inst. arkheol. no. 89:101-102 '62.

KAMENSK-URAL'SKIY—BOOKSELLERS AND BOOK-SELLING

With their own hands. M. Shelkonogov. Sov. knizh. torg. 14 no. 12:24-25 D '62.

KAMINSKI, ANTON ANTONOVICH, 1862-1936

Hundredth anniversary of Anton Antonovich Kaminski's birth. A. A. Borisov. Izv. Vses. geog. ob-va 94 no. 6: 527-529 N-D '62.

KAMINSKI, LEV SEMENOVICH, 1889-1962

In memory of L. S. Kaminski. Zdrav. Ros. Feder. 6 no. 12:40 D '62.

KANDALAKSHA BAY—FORAMINIFERA

New species of Foraminifera in the shoals of the Kandalaksha Bay. E. M. Maier. Trudy Belomor. biol. sta. MGU 1:70-87 '62.

KANDALAKSHA BAY—OSTRACODA

Ostracoda in the shoals of the Kandalaksha Bay of the White Sea. H. A. Rudakov. Trudy Belomor. biol. sta. MGU 1:130-142 '62.

KANDALOV, INNOKENTII IVANOVICH, 1880-1962

Innokentii Ivanovich Kandlov. Gidr. strol. 33 no. 12: 60 D '62.

KANEV—HOTELS, TAVERNS, ETC.

"Tarasova Gora" Hotel in Kanev. N. Chmutina. Strol. i arkhit. 10 no. 1:5-8 Ja '62.

KANEV—VIEWS

[Kanev; photographs] Knizh. foliarys. [Avtor teksta IE, Arkhyepela' Kyiv, 1960] 1 v. (chiefly illus.) (MII)

KANEV DISTRICT—BRONZES, SCYTHIAN

A bronze plate with a griffin's head. V. G. Petrenko. Krat. soob. Inst. arkheol. no. 80:64-66 '62.

KANEV. PRESERVE

[Materials for studying the history and natural resources of the Kanov Preserve] Materialy do vychennia istorii ta pryrody raionu Kaniva'kolozapovidnykh. [Kyiv] Vyd-vo Kyiv's'koho univ., 1962, 161 p.

KANTEMI, ANTIOKH DMITRIYEVICH, 1708-1744

Role of Antiokh Kantemir in the formation of Russian literary criticism. A. K. Ushakov. Uch. zap. Riv. gos. ped. inst. 8:107-126 '61.

KAOLIN

(see also subdivision under Chekmakul' region; China; Glukhovskiy)

Technological properties of fractionated kaolins. V. N. Lednik. Trudy GIKI no. 1:25-37 '60.

KAOLIN—ELASTIC PROPERTIES

Elastic properties of certain clays and kaolins depending on their heat treatment. E. K. Koler. Chzhan Tsin-chun' [Chang Ch'ing-ch'ün]. Ogneupory 27 no. 12:557-568 '62.

KAOLINITE

Halloysite-kaolinite group minerals in alkaline massifs. E. I. Semenov. Trudy IMGRE no. 9:67-82 '62.

KARA-BOGAZ-GOL (GULF) REGION—MICROPALaeon-TOLOGY

Content of microfauna in eolian sands of the Kara-Bogaz-Gol region. A. M. Krivenkov. Trudy Inst. geol. AN Turk. SSR 3:75-90 '60.

KARA-BOGAZ-GOL (GULF) REGION—SAND

Sandy massifs of the Kara-Bogaz-Gol region. A. M. Krivenkov. Trudy Inst. geol. AN Turk. SSR 3:109-209 '60.

KARA-KALPAK A. S. S. R.—COTTON GROWING—LABOR PRODUCTIVITY

Hidden potentialities for an upsurge in labor productivity on cotton raising collective farms of the Kara-Kalpak A. S. S. R. V. Gabdulhin. Ekon. sei'khoz. 34 no. 1: 90-96 Ja '63.

KARA KUM—PHYTOGEOGRAPHY

Distribution of vegetative mass of trees and bushes in sandy desert. T. I. Dybekala. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:37-41 N-D '62.

KARA KUM—SAND

"Relief of sands in the western portion of the low-lying part of the Kara Kum" by I. M. Ostrovskii. Reviewed by T. F. Iakubov. Izv. Vses. geog. ob-va 94 no. 6:535-539 N-D '62.

KARA KUM—WINDS

"Relief of sands in the western portion of the low-lying part of the Kara Kum" by I. M. Ostrovskii. Reviewed by T. F. Iakubov. Izv. Vses. geog. ob-va 94 no. 6:535-539 N-D '62.

KARA KUM CANAL REGION—GEOLOGY, STRATIGRAPHIC

Correlation of Upper Jurassic and Lower Cretaceous sediments of the Kelif Uzbey and southwestern spurs of the Gissar Range. R. E. Alzberg. Trudy Inst. geol. AN Turk. SSR 3:144-147 '60.

KARA KUM CANAL REGION—INSECTS, INJURIOUS AND BENEFICIAL

Harmful elements of the entomofauna of the northern zone of the Kara Kum Canal. K. Rodzhepov. Zashch. rast. ot vred. i bol. 5 no. 10:40-41 O '60.

KARA KUM CANAL REGION—LANDSCAPE GARDENING

Landscaping the banks of the Kara Kum Canal. Ch. Khodzhev. L. en. khoz. 15 no. 11:50-51 N '62.

KARABAKH RANGE REGION—DRY FARMING

Muradian, V. A. [Beacon lights at the foot of the Karabakh Mountains; from the practices in diversified dry farming] Svetil'nykh i podnozhih Karabakhskiikh gor; iz opyta vedeniya mnogootraslovogo khozaistva v bogatnykh usloviyakh. Baku, Azerneshr, 1962, 29 p. (Dorodov opyt v sei'skom khozaiстве) (DNAL)

KARACHAROVO—PLASTICS INDUSTRY—TECHNOLOGICAL INNOVATIONS

In companionship with the new. S. Naumov. NTO 4 no. 12:6-8 D '62.

KARACHI—DESCRIPTION

Visiting Karachi without a guide. L. Kochetkov. Az. i Afr. seg. no. 1:38-38 Ja '63.

KARADAG REGION—OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Selection of turbodrills and bits in the Karadag region. Z. S. Abdulliev. Azerb. neft. khoz. 41 no. 8:10-12 Ag '62.

KARAGANDA—RAILROADS—MAINTENANCE AND REPAIR

Keeping tracks in excellent condition. A. E. Minkina. Put' i put. khoz. 6 no. 11:35 '62.

KARAGANDA BASIN—COAL MINERS

A study of the laboring class of Kazakhstan [with summary in English]. A. S. Morozova. Sov. ein. no. 6:17-28 N-D '62.

KARAGANDA BASIN—COAL MINES AND MINING

Continuous work cycle is a guarantee of profitability. A. Master. Nar. khoz. Kazakh. 20 no. 10:68-70 O '62. Everything depends on the ability to organize production. D. Markman. Nar. khoz. Kazakh. 20 no. 10:72 O '62.

KARAGANDA BASIN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Use materials economically. A. Timchenko. Nar. khoz. Kazakh. 20 no. 10:70-71 O '62.

KARAGANDA BASIN—COAL MINES AND MINING—RESEARCH

All mines can work well. Sh. Aliev. Nar. khoz. Kazakh. 20 no. 10:64-68 O '62.

KARAGANDA BASIN—GEOLOGY, STRATIGRAPHIC

Geology of the northern margin of the Karaganda Basin. Report No. 1: Stratigraphy of Pre-Paleozoic and Paleozoic sediments. O. M. Kanfel', O. A. Mazarovich, V. V. Turina. Vest. Mosk. un. Ser. 4: Geol. 17 no. 6:10-35 N-D '62.

KARAGANDA PROVINCE—HOUSING FOR PHYSICALLY HANDICAPPED

Men have created it. K. Petrovskii. Sois. obsep. 24 no. 1:39 Ja '63.

KARAGANDA PROVINCE—LANDSCAPE GARDENING

Men have created it. K. Petrovskii. Sois. obsep. 24 no. 1:39 Ja '63.

KARAGANDA PROVINCE—THYROID GLAND—DISEASES

Pathology of the thyroid gland in inhabitants of two regions of central Kazakhstan. H. I. Toropkina, V. S. Moshkevich. Zdrav. Kazakh. 22 no. 7:15-17 '62.

KARAKUL SHEEP

Phases of the blastocyst and trophoblastic vesicle in the Karakul sheep. G. A. Shmidt. Dokl. AN SSSR 147 no. 4:989-991 D '62.

KARATAL VALLEY (KAZAKHSTAN)—GOITER

Iodine content in the soil, water and plant products of the Karatal Valley in relation to the problem of endemic goiter. A. K. Shifanova. Zdrav. Kazakh. 22 no. 7:68-71 '62.

KARBYSHYEV, DMITRII MIKHAILOVICH

Lupalo, I. G. [Heroic deeds of General Karbyshev] Podvig generala Karbysheva. Moskva, Gospolitizdat, 1962. 62 p. (Geroi i podvigi)

KARDYVACH LAKE REGION—GUIDEBOOKS

Tskhomaria, B. D. [Lake Kardyvach] Ozero Kardyvach. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1962. 62 p.

KARELIA—AZOTOBACTER

Toxicity of some mosses and lichens in relation to Azotobacter in the soils of Karelia [with summary in English]. T. I. Evdokimova. Pochvovedenie no. 8: 88-92 Ag '62.

KARELIA—DESCRIPTION AND TRAVEL

Kalevala. Iurii Kazakov. Znamia 32 no. 10:154-169 O '62.

KARELIA—FOREST SOILS

Changes in the physical and chemical properties of forest soils in southern Karelia in connection with timber cutting. G. E. Piatotskii, R. M. Morozova. Trudy Kar. fil. AN SSSR no. 34:71-92 '62. Problems of interrelation between the forest and the soil in Karelia. B. D. Zaitsev. Trudy Kar. fil. AN SSSR no. 34:5-22 '62. Some nonuniformities of the soil cover in Karelia. A. V. Mizerov. Trudy Kar. fil. AN SSSR no. 34:124-140 '62.

KARELIA—FUSARIUM

Characteristics of the spreading of fusarium infection of pine in cutover areas of Karelia. V. I. Shubin. Trudy Kar. fil. AN SSSR no. 34:141-146 '62.

KARELIA—HELEIDAE

Biting midges (Diptera, Heleidae) of Karelia. V. M. Glukhova. Trudy Zool. inst. 31:107-249 '62.

KARELIA—HYDRACARINA

A survey of water mites (Acariformes, Hydracarina) of Leningrad Province and Karelia. I. I. Sokolov, A. I. Ankovskaya. Trudy Zool. inst. 31:389-428 '62.

KARELIA—PINE—DISEASES AND PESTS

Characteristics of the spreading of fusarium infection of pine in cutover areas of Karelia. V. I. Shubin. Trudy Kar. fil. AN SSSR no. 34:141-146 '62.

KARELIA—SOIL CHEMISTRY

Changes in the chemical properties of soils as the result of cleaning cutovers. N. V. Egorova, V. K. Kulikova. Trudy Kar. fil. AN SSSR no. 34:58-70 '62.

KARELIA—SOVIETS

For the efficient work of each deputy. P. Prokkonen. Sov. deput. trud. no. 6:47-50 Je '62.

KARELIA—STONEFLIES

Materials on stoneflies (Plecoptera) of Karelia. L. A. Zhil'tseva. Trudy Zool. inst. 31:5-12 '62.

KARELIAN ISTHMUS—GUIDEBOOKS

Ippo, B. B., N. N. Turchanov, and A. N. Shlin. [The Karelian Isthmus] Karelii peresheok. [Leningrad] Lenizdat, 1962. 422 p.

KARIAGIN, ANATOLI VASIL'EVICH, 1901-1962

A. V. Kariagin; obituary. Za rul. 20 no. 12:27 D '62.

KARPINSK REGION—BORING MACHINERY

Improving the drilling equipment in open-pit mines of the Vakhrushevskiy Trust. M. A. Pshenichyi. Gor. zhur. no. 1:72-73 Ja '63.

KARSHI STEPPE—COLLECTIVE FARMS

New fields in the Karshi steppe. S. Kadyrov. Part. zhizn' [Uzb.] 5 no. 11:65-67 N '62.

KARSHI STEPPE—IRRIGATION

Karshi steppe will turn into a prosperous country. A. Davydov, S. Khachikants. Komm. Uz. 34 no. 11: 77-85 N '62.

KARSHI STEPPE—IRRIGATION FARMING

The Karshi Steppe will become a territory of abundance. Nar. khoz. Uzb. 4 no. 11:55-56 N '62.

- KARTING**
(see also subdivision under Parna)
Young voices. A. Grubnov. Zarul. 20 no.12:27 D '62.
- KASHKAROVA, ZINAIDA DMITRIYEVNA, 1888-**
Kozyreva, V.A. [Zinaida Dmitriyevna Kashkarova, Moskva, Gosmestpromizdat, 1960. 29 p. (Mastera khudozhestvennykh promyslov) (MH)]
- KASKELIN DISTRICT—AGRICULTURE—ECONOMIC ASPECTS**
Labor productivity and the reduction of the cost of production on suburban state farms. M. P. Lemeshev, V. I. P'iankov. Vest. sel'khoz. nauki [Kazakh.] 5 no.11:3-11 O '62.
- KATANGA—POLITICS AND GOVERNMENT**
"To Katanga and back; a U.N. case history" [in English] by Connor Cruise O'Brien. Reviewed by B. Izakov. Nov. vrem. 20 no.4:27-30 Ja '63.
- KAZAKEVICH, EMANUEL, 1913-**
"Blue notebook" by Emanuel Kazakevich. Reviewed by N. Litkacheva. Sem. i shkola 17 no.11:4-6 N '62.
- KAZAKH LITERATURE—HISTORY AND CRITICISM**
Auevov, M. O. [Thoughts of various years (along literary paths)] Mysli raznykh let (Po literaturnym tropam) [Sbornik 1. posmerinov izd. sost. I. T. Dushenbov] Alma-Ata, Kazgostizdat, 1961. 540 p. (MH)
Bazarbaev, Muslim. [Living traditions] Zhivye traditsii. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1962. 120 p.
- KAZAKHSTAN—ADMINISTRATIVE AND POLITICAL DIVISIONS**
New territories in Kazakhstan. Sov. deput. trud. no. 6: 105 Je '62.
- KAZAKHSTAN—AGRICULTURE**
All roads lead to the field camps. O. Mukhin, Kul't. pros. rab. 23 no.7:23-25 Ji '62.
- KAZAKHSTAN—ARBITRATION, INDUSTRIAL**
What does the examination of disputes show. A. Kilmant'ev. Nar. khoz. Kazakh. 20 no.10:56-60 O '62.
- KAZAKHSTAN—ARCHAEOLOGY**
"Trudy of the Institute of History, Archaeology, and Ethnography of the Academy of Sciences of the Kazakh S.S.R." Vol. 6: Ethnography. Vol. 12: New materials on the archaeology and ethnography of Kazakhstan. B. Karmysheva, E. Makheva. Sov. etn. no. 6:161-165 N-D '62.
- KAZAKHSTAN—ART**
Goltova, M. [Works by Kazakh artists] Proizvedeniia khudozhnikov Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo 1961. 1 v. (chiefly illus., part col.) (CLU)
- KAZAKHSTAN—BEEF CATTLE—FEEDING AND FEEDS**
Effect of inactive pregnant mare's serum on the increase of weight in cattle fattened on beet pulp. G. G. Fedosenko. Vest. sel'khoz. nauki [Kazakh.] 5 no.12:61-64 D '62.
- KAZAKHSTAN—BOOKSELLERS AND BOOKSELLING**
Put the instruction of the staff on a firm basis. A. Makhanova. Sov. knizh. tog. 14 no.1:39 Ja '63.
- KAZAKHSTAN—BUILDING—TECHNOLOGICAL INNOVATIONS**
Problems of technical progress should be the center of attention of the Scientific Technological Society. V. A. Prokopenko. Prom. stroi. no.10:55-56 '62.
- KAZAKHSTAN—BUILDINGS, PREFABRICATED**
On the road of industrialization. I. Tarasova. Zhil. stroi. no.1:30-31 '62.
- KAZAKHSTAN—CASEBEARERS (INSECTS)—EXTIRMINATION**
Coleophora hemerobiola Fil. L. M. Delov. Zashch. rast. ot vred. i bol. 4 no.5:58 S-O '59.
- KAZAKHSTAN—COLLECTIVE FARMS—INTERFARM COOPERATION**
Nature of the development of interfarm associations. M. Li. Vest. sel'khoz. nauki [Kazakh.] 5 no.12:3-10 D '62.
- KAZAKHSTAN—CONSTRUCTION INDUSTRY—MANAGEMENT**
Put economic problems at the center of attention of the scientific and technical society of the construction industry. N. Furman. Ekon. stroi. no.1:50-51 Ja '63.
- KAZAKHSTAN—CORN (MAIZE)—IRRIGATION**
Determining irrigation dates for hybrid corn based on physiological indices. G. M. Titov. Vest. sel'khoz. nauki [Kazakh.] 5 no.12:20-30 D '62.
- KAZAKHSTAN—CORRESPONDENCE SCHOOLS AND COURSES**
Correspondence courses for insurance workers. K. Gellig. Fin. SSSR 23 no.12:69-70 D '62.
- KAZAKHSTAN—CUTWORMS**
The cutworm: *Hadena basilinea* as a dangerous pest. A. B. Fraklin. Zashch. rast. ot vred. i bol. 2 no.6:54 N-D '57.
- KAZAKHSTAN—DAIRY CATTLE BREEDING**
Increasing the butterfat content of cows in Kazakhstan. F. V. Mukhammedgaliyev, T. A. Akhataov. Vest. sel'khoz. nauki [Kazakh.] 5 no.11:57-62 O '62.
Some vital problems in the development of animal husbandry. T. F. Tavildarova. Vest. sel'khoz. nauki [Kazakh.] 5 no.3:26-32 Mr '62.
- KAZAKHSTAN—ECONOMIC CONDITIONS**
A year of work according to the new program. I. Omarov. Nar. khoz. Kazakh. 20 no.10:3-8 O '62.
- KAZAKHSTAN—ECONOMIC POLICY**
General scheme for the distribution of productive forces in the Kazakh S.S.R. T. Talebaev. Nar. khoz. Kazakh. 20 no.10:35-38 O '62.
- KAZAKHSTAN—ETHNOLOGY**
"Trudy of the Institute of History, Archaeology, and Ethnography of the Academy of Sciences of the Kazakh S.S.R." Vol. 6: Ethnography. Vol. 12: New materials on the archaeology and ethnography of Kazakhstan. B. Karmysheva, E. Makheva. Sov. etn. no. 6:161-165 N-D '62.
- KAZAKHSTAN—FIELD CROPS—DISEASES AND PESTS**
System of protecting farm crops on virgin lands in Kazakhstan. Zh. T. Dzhiembayev. Zashch. rast. ot vred. i bol. 4 no.5:20-23 S-O '59.
- KAZAKHSTAN—GEOLOGY, STRATIGRAPHIC**
Subdivision of Quaternary sediments in Kazakhstan. N. N. Kostenko. Trudy Kom. chetv. per. 20:132-136 '62.
- KAZAKHSTAN—GRAIN—DISEASES AND PESTS**
The cutworm *Hadena basilinea* as a dangerous pest. A. B. Fraklin. Zashch. rast. ot vred. i bol. 2 no.6:54 N-D '57.
Establishing conditions increasing the useful activity of the parasite of the gray grain moth (*Hadena sordida* Bkh.). K. V. Kamenkova. Vest. sel'khoz. nauki [Kazakh.] 5 no.12:55-60 D '62.
Forecasting the development of the gray grain moth in Kazakhstan. G. Kh. Shek, K. A. Slivkina. Zashch. rast. ot vred. i bol. 5 no.3:40-42 Mr '60.
- KAZAKHSTAN—HISTORY**
"Reply to the falsifiers of the history of Soviet Central Asia and Kazakhstan" by Kh. Inolatov. Reviewed by Perov. Nar. khoz. Uzb. 4 no.11:91-94 N '62.
- KAZAKHSTAN—HORSES—FEEDING AND FEEDS**
Fall fattening of horses. B. Kh. Sadykov, A. D. Venierakli. Vest. sel'khoz. nauki [Kazakh.] 5 no.11:75-79 O '62.
- KAZAKHSTAN—INDUSTRIAL BUILDINGS**
Designing industrial buildings in Kazakhstan. S. Ten. Arkh. SSSR no.12:16-18 '62.
- KAZAKHSTAN—INDUSTRIAL HYGIENE**
The concern of every individual and the group. S. Polimbetov. Okhr. truda i sots. strakh. 6 no.1:4-5 Ja '63.
- KAZAKHSTAN—INDUSTRIES**
Information. Nar. khoz. Kazakh. 20 no.10:79 O '62.
- KAZAKHSTAN—INDUSTRIES, LOCATION OF**
General scheme for the distribution of productive forces in the Kazakh S.S.R. T. Talebaev. Nar. khoz. Kazakh. 20 no.10:35-38 O '62.
- KAZAKHSTAN—LAMBS**
Characteristics of the growth and development of Kazakh fine-wool female lambs as related to the season of birth. Sh. B. Smagulov. Vest. sel'khoz. nauki [Kazakh.] 5 no.11:63-70 O '62.
- KAZAKHSTAN—LEAF BEETLES**
Multiplication of the leaf beetle *Theone* (*Leptosonyx*) silphoides Dalm in the pastures of Kazakhstan. N. I. A. Sokolenko, A. D. Shumaev, E. I. Volynskaja. Zashch. rast. ot vred. i bol. 5 no.10:53-54 O '60.
- KAZAKHSTAN—LOCUSTS—EXTIRMINATION**
Locusts are killed in Kazakhstan. P. P. Arkhangelski. Zashch. rast. ot vred. i bol. 2 no.6:17-20 N-D '57.
- KAZAKHSTAN—MACHINERY—MAINTENANCE AND REPAIR**
Supply heavy industry with a good repair center. R. Fetukhov. Nar. khoz. Kazakh. 20 no.10:49-53 O '62.
- KAZAKHSTAN—MACHINERY INDUSTRY**
What worries practical planners. A. Vekaler. Nar. khoz. Kazakh. 20 no.10:30-42 O '62.
- KAZAKHSTAN—MALLOW**
Biology of the germination of Siberian mallow seeds. I. N. Rashchenko. Vest. sel'khoz. nauki [Kazakh.] 5 no.12:45-55 D '62.
- KAZAKHSTAN—MATERIALS**
Norms and waste. A. Zhuravkov. Nar. khoz. Kazakh. 20 no.10:43-45 O '62.
- KAZAKHSTAN—MILKING**
The new fan-type arrangement for milking parlors. Vest. sel'khoz. nauki [Kazakh.] 5 no.12:87 D '62.
- KAZAKHSTAN—MOTHS**
Forecasting the development of the gray grain moth in Kazakhstan. G. Kh. Shek, K. A. Slivkina. Zashch. rast. ot vred. i bol. 5 no.3:40-42 Mr '60.
New wheat pest in Kazakhstan. G. Kh. Shek. Zashch. rast. ot vred. i bol. 5 no.10:53 O '60.
- KAZAKHSTAN—MOTHS—BIOLOGICAL CONTROL**
Establishing conditions increasing the useful activity of the parasite of the gray grain moth (*Hadena sordida* Bkh.). K. V. Kamenkova. Vest. sel'khoz. nauki [Kazakh.] 5 no.12:55-60 D '62.
- KAZAKHSTAN—NIGHTSHADE**
They exterminated the prickly nightshade. G. A. Zinov'ev. Zashch. rast. ot vred. i bol. 5 no.5:50 My '60.
- KAZAKHSTAN—PALEOBOTANY, QUATERNARY**
Several features of the history of the development of vegetation in central Kazakhstan during the Quaternary. E. M. Mal'eva. Vest. Mosk. un. Ser. 5: Geog. 17 no.4: 70-72 Ji-Ag '62.
- KAZAKHSTAN—PEAS**
Growing peas on irrigated soils in the southeast of Kazakhstan. I. D. Zykov. Vest. sel'khoz. nauki [Kazakh.] 5 no.12:30-45 D '62.
- KAZAKHSTAN—PETROLOGY**
Some aspects of the petrology of Hercynian granitoids of central Kazakhstan. T. V. Perekalina. Dokl. AN SSSR 147 no.6:1448-1451 D '62.
- KAZAKHSTAN—PINE**
Accretion of root systems in pine forests of the Kazakh Peninsula. A. A. Makarenko. Agrobiologia no. 6:930-941 N-D '62.
Structure of pine plantations in the Kazakh peninsula. A. D. Starkov. Vest. sel'khoz. nauki [Kazakh.] 5 no.12: 68-70 D '62.
- KAZAKHSTAN—PLANTS, PROTECTION OF**
Solve a series of urgent organizational problems. N. E. Naumovich. Zashch. rast. ot vred. i bol. 5 no.7:4-6 Ji '60.
"Trudy" of the Kazakh Scientific Research Institute for Plant Protection. Vol. 4. Reviewed by P. Arkhangelski. Zashch. rast. ot vred. i bol. 5 no.10:55-56 O '60.
- KAZAKHSTAN—POLITICS AND GOVERNMENT**
[Handbook for local government personnel] Spravochnik sovetskogo rabotnika. Pod obshch. red. S. M. Kunanbayeva. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 638 p.
- KAZAKHSTAN—POTATOES—DISEASES AND PESTS**
Controlling virus diseases of potatoes in the south of Kazakhstan. S. T. Bubentsov. Zashch. rast. ot vred. i bol. 4 no.5:35-36 S-O '59.
- KAZAKHSTAN—PRECAST CONCRETE CONSTRUCTION**
Fight for innovations not only from a tribune. T. Bakhraev, V. Barinov. Nar. khoz. Kazakh. 20 no.10: 31-34 '62.
- KAZAKHSTAN—PROSPECTING**
Determining hole spacing in prospecting for Mirgallmae type deposits. V. A. Babushkin. Izv. vys. ucheb. zav. i geol. i razv. 5 no.9:92-99 S '62.
- KAZAKHSTAN—QUALITY CONTROL**
What does the examination of disputes show. A. Kilmant'ev. Nar. khoz. Kazakh. 20 no.10:56-60 O '62.
- KAZAKHSTAN—RAMS**
Productivity of Kazakh fine-wool rams on main sheep breeding farms. V. A. Bal'mont and others. Vest. sel'khoz. nauki [Kazakh.] 5 no.3:10-26 Mr '62.
- KAZAKHSTAN—ROTATION OF CROPS**
Failure of grassland farming and advantages of row crop rotation in Kazakhstan. K. I. Andrianova. Vest. sel'khoz. nauki [Kazakh.] 5 no.3:3-11 Mr '62.
- KAZAKHSTAN—SHEEP BREEDING**
Applying dry pregnant mare's serum for stimulating multiparity in sheep. A. M. Amarbaev, V. V. Legkovidov, A. Dzhanidarov. Vest. sel'khoz. nauki [Kazakh.] 5 no.11:71-75 O '62.

KAZAKHSTAN—SEROZEM SOILS

Changes in the fertility of dark Serozem soils under the effect of farm crops and fertilizers. Zh. IA. Ba'p'kaev. Vest. sel'khoz. nauki [Kazakh.] 5 no. 11: 17-26 O '62.

KAZAKHSTAN—SOCIAL LIFE AND CUSTOMS

Family and mode of life of the peoples of Central Asia and Kazakhstan in the period of the building of socialism and communism [with summary in English]. G. P. Vasil'eva, N. A. Kisilakov. Sov. etn. no. 6:3-16 N-D '62.

KAZAKHSTAN—SOIL FERTILITY

Changes in the fertility of dark Serozem soils under the effect of farm crops and fertilizers. Zh. IA. Ba'p'kaev. Vest. sel'khoz. nauki [Kazakh.] 5 no. 11: 17-26 O '62.

KAZAKHSTAN—SOIL MOISTURE

Problems of the movement of moisture in dry Serozem soils. M. I. Rubinshtein. Vest. sel'khoz. nauki [Kazakh.] 5 no. 3:11-16 Mr '62.

KAZAKHSTAN—TENTS

Designing yourtas (nomad's tents) of synthetic materials. A. N. Nikolsky, I. P. Gladchenko, V. A. Nazarov. Plast. massy no. 12:46-50 '62.

KAZAKHSTAN—TUBERCULOSIS—PREVENTION

Scientific session on the problems of tuberculosis control in the Republic. T. V. Bereznaya. Zdrav. Kazakh. 22 no. 7:76-78 '62.

KAZAKHSTAN—VETERINARY PARASITOLOGY

Akademiia nauk Kazakhskoi SSR, Alma-Ata. Institut zoologii. [Parasites of farm animals in Kazakhstan] Parazitizatsiya sel'khoz. zhivotnykh Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR Vol. 1. 1962. 225 p. (DNAL)

KAZAKHSTAN—VIRUS DISEASES OF PLANTS

Controlling virus diseases of potatoes in the south of Kazakhstan. S. T. Bubentsov. Zashch. rast. ot vred. i bol. 4 no. 5:35-36 S-O '62.

KAZAKHSTAN—WATER SUPPLY, RURAL

The principle of many-day regulation and the pattern of water consumption in rural group water-supply systems. N. A. Kurambirov, A. A. Komelev. Vest. sel'khoz. nauki [Kazakh.] 5 no. 3:41-46 Mr '62.

KAZAKHSTAN—WEED CONTROL

They exterminated the prickly nightshade. G. A. Zinov'ev. Zashch. rast. ot vred. i bol. 5 no. 5:50 My '60.

KAZAKHSTAN—WELLS

Parameters of surface wells with mobile units for water pumping. V. Andrianov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 3:62-71 Mr '62.

KAZAKHSTAN—WHEAT—DISEASES AND PESTS

New wheat pest in Kazakhstan. G. Kh. Shek. Zashch. rast. ot vred. i bol. 5 no. 10:53 O '60.

KAZAKHSTAN—WHEAT—VARIETIES

Early varieties for northern Kazakhstan and Western Siberia. A. Polukov. Vest. sel'khoz. nauki 7 no. 11: 150-161 N '62.

KAZAKHSTAN—WHEAT BREEDING

Possibilities of developing early ripening spring wheats for Western Siberia and northern Kazakhstan. P. E. Sudnov. Zemledel. 24 no. 11:88-89 N '62.

KAZAKHSTAN—WORMWOOD—DISEASES AND PESTS

Multiplication of the leaf beetle Theono (Leptosomus) silphoides Dalm in the pastures of Kazakhstan. N. I. A. Sokolov, A. D. Shumakov, E. I. Volynskaya. Zashch. rast. ot vred. i bol. 5 no. 10:53-54 O '60.

KAZAKOV, MATVEI FEDOROVICH, 1738-1812

Great Russian architect. M. I. In. Arkh. SSSR no. 12: 34-35 '62.

KAZENNYI TORETS VALLEY—GEOLOGY, STRUCTURAL

Basic characteristics of the tectonics of the western wing of the Kal'mius-Torots Valleys. A. M. Dobrianskiy. Trudy Inst. geol. nauk. AN URSR. Ser. zool. geol. no. 1:133-142 '62.

KEDABEK DISTRICT—QUARTZITE

Secondary quartzite with colloform tourmalines of the Kedabek deposit. R. A. Martirosian. Uch. zap. AGU. Geol.-geog. ser. no. 1:25-35 '62.

KEDABEK DISTRICT—TOURMALINE

Secondary quartzite with colloform tourmalines of the Kedabek deposit. R. A. Martirosian. Uch. zap. AGU. Geol.-geog. ser. no. 1:25-35 '62.

KEL'BADZHAR DISTRICT—LUNGWORMS

Studying the seasonal dynamics of Protostrongylus infection in sheep under alpine conditions of the Lesser Caucasus in the Azerbaijan S. S. R. D. K. Ismailov. Trudy Azer. nauch.-issl. vet. inst. 13:131-134 '62.

KEL'BADZHAR DISTRICT—NEMATODA

Detection of Trichostrongylus andreevi in sheep and goats. D. K. Ismailov. Trudy Azer. nauch.-issl. vet. inst. 13: 139-140 '62.

Trichostrongylidae of sheep in the regions of the Lesser Caucasus of the Azerbaijan S. S. R. D. K. Ismailov. Trudy Azer. nauch.-issl. vet. inst. 13:135-138 '62.

KEL'BADZHAR DISTRICT—PARASITES—GOATS

Detection of Trichostrongylus andreevi in sheep and goats. D. K. Ismailov. Trudy Azer. nauch.-issl. vet. inst. 13: 139-140 '62.

KEL'BADZHAR DISTRICT—PARASITES—SHEEP

Detection of Trichostrongylus andreevi in sheep and goats. D. K. Ismailov. Trudy Azer. nauch.-issl. vet. inst. 13: 139-140 '62.

Studying the seasonal dynamics of Protostrongylus infection in sheep under alpine conditions of the Lesser Caucasus in the Azerbaijan S. S. R. D. K. Ismailov. Trudy Azer. nauch.-issl. vet. inst. 13:131-134 '62.

Trichostrongylidae of sheep in the regions of the Lesser Caucasus of the Azerbaijan S. S. R. D. K. Ismailov. Trudy Azer. nauch.-issl. vet. inst. 13:135-138 '62.

KEMERI—HEALTH RESORTS, WATERING PLACES, ETC.

Thermoregulation and perspiration reflexes in patients with psoriasis before and after treatment at the Kemeri health resort. P. Jakobsone. Izv. AN Latv. SSR no. 10: 107-111 '62.

KEMEROVO—BOOKSELLERS AND BOOKSELLING

The experience of the Kemerovo workers is available to all. Sov. knizh. tovg. 14 no. 12:26 D '62.

KEMEROVO PROVINCE—CONSTRUCTION INDUSTRY

Concentrate attention on construction projects of special importance. F. Artamonov. Fin. SSSR 23 no. 12:46-47 D '62.

KEMEROVO PROVINCE—FINANCE

Our control method. M. Litvin. Fin. SSSR 23 no. 12: 57-59 D '62.

KEMIN VALLEY—SOILS

Soil zones in the Kemin Valley. Sh. Ashirakhmanov. Izv. Kir. fil. Vses. ob-shch. nauch. no. 1:121-129 '62.

KENDEK—SHEEP BREEDING

In the quest for new ways. Kh. Nazirov, A. Agishov. Part. zhizn' [Uzb.] 5 no. 11:77-83 N '62.

KENKIYAK REGION—GEOLOGY, STRATIGRAPHIC

Upper Permian and Triassic sediments of the Kenkiyak dome. A. B. Vatslat, Trudy VNIIGRI no. 100:328-338 '62.

KENTUCKY—STRIKES AND LOCKOUTS—COAL MINERS

In the depressed areas of the United States. I. Lepitskii. Nov. vrem. 20 no. 7:20-21 F '63.

KEPLER'S EQUATION see Orbits

KERAMZIT

(see also subdivision under Uzbekistan)

The effect of keramzit on the strength of concrete. G. I. Stupakov, N. E. Dikarkina. Sbor. nauch. trud. NI po stroit. ASIA no. 1:77-81 '61.

Effect of the addition of hard and liquid fuel on the expandability of brick clays. I. S. Kashkayev. Sbor. trud. ROSNIMS no. 10:126-140 '61.

Experimental study of the shearing strength of keramzit concrete wall slabs. A. A. Adilkhodzhaev, A. M. Mukhlidinov. Sbor. nauch. trud. NI po stroit. ASIA no. 2:45-57 '61.

Increasing the expansibility of clays in the production of keramzit by means of liquid additives. S. P. Onatekii. Sbor. nauch. trud. NI po stroit. ASIA no. 1:91-98 '61.

A method for determining the coefficient of expansibility of grains of keramzit under industrial conditions. I. R. Rasulov. Sbor. nauch. trud. NI po stroit. ASIA no. 1:99-104 '61.

The problem of the technology of obtaining keramzit "sand." A. I. Polinkovskaya, A. A. Benum, G. A. Petrikhina. Sbor. trud. ROSNIMS no. 10:113-127 '61.

Studying the strength, rigidity and crack resistance of keramzit concrete floor slabs with prestressed reinforcement. A. Akbarov. Sbor. nauch. trud. NI po stroit. ASIA no. 2:55-62 '61.

Using local binding materials in the manufacture of keramzit-concrete products. B. S. Zaidenberg, P. M. Zil'berfarb, N. V. Ivakhno. Sbor. trud. ROSNIMS no. 20:99-107 '61.

KERCH—RESTAURANTS, LUNCHROOMS, ETC.

The little nothings of everyday life. G. Pantushenko. Sov. deput. trud. no. 1:83-84 Ja '63.

KERCH—SOVIETS

Groups of deputies in industrial enterprises. A. Piven'. Sov. deput. trud. no. 1:53-58 Ja '63.

KERCH PENINSULA—WORLD WAR, 1939-1945—

UNDERGROUND MOVEMENTS
Legend was born in the quarries. M. Mar'ianenko. Znan. ta pratsia no. 12:9-11 D '62.

KERES, HARALD, 1912-

Academician Harald Keres; on his 50th birthday. Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk 11 no. 4:303-304 '62.

KETONE

Addition of nitroalkanes to chloromethylvinyl ketone. S. S. Novikov, I. S. Korasakova, N. N. Bulatova. Izv. vuz. ucheb. zav. khim. i khim. tekhn. 5 no. 5:753-755 '62.

KETONEMIA see Acetonemia

KETONES

Condensation of o-aminoselenophenol with unsaturated ketones. Part 1. L. K. Mushkalo, D. I. Sheiko. Zhur. ob. khim. 33 no. 1:157-160 '63.

Liquid phase oxidation of α,β -unsaturated ketones. Part 2: Products of the liquid phase oxidation of normal propylidene-, amylidene-, and hexylideneacetones. I. G. Tishchenko, L. S. Staudshevskii. Zhur. ob. khim. 33 no. 1:141-145 '63.

KETS

Ancient migration of Kets based on toponymic data. A. P. Dul'zon. Izv. Vses. geog. ob-shch. 94 no. 6:474-482 N-D '62.

KEYS AND KEYWAYS (STEELWORK)

Ball-bearing keys, their selection and use. V. M. Golub. Mashinostroenie no. 5:3-10 S-O '62.

KHABAROVSK TERRITORY—FUR TRADE

Ways to increase the supply of furs. A. Kuznetsov. Sov. potreb. koop. 8 no. 11:19-20 N '62.

KHAKASS AUTONOMOUS PROVINCE—STOCK AND STOCKBREEDING

The most important factor in the development of livestock farming. A. Oreshnikov. Sov. deput. trud. no. 8: 8-14 S '62.

KHALOV, PAVEL

Course to maturity. Nikolai Zadornov. V mire knig 2 no. 1:121 N '62.

KHANTAYKA VALLEY—FROZEN GROUND

Origin of lenticles in permanently frozen rocks. L. N. Krutauk. Trudy Inst. merzl. AN SSSR 19:96-101 '62.

KHARA-ALDAN—LABOR COURTS

This time they punished themselves. A. Vasil'chuk. Sov. iust. no. 2:29 D '62.

KHARIN, SERGEI ALEKSANDROVICH, 1889-

Jubilee of Professor S. A. Kharin, P. Arkhangel'skii. Zashch. rast. ot vred. i bol. 5 no. 11:82 N '60.

KHARKOV—ACCOUNTING—STUDY AND TEACHING

Disseminating a knowledge of economics. I. Barais. Bukh. uch. 10 no. 12:56-57 D '62.

KHARKOV—BICYCLES AND TRICYCLES

New techniques for manufacturing bicycle bushings. G. V. Sklarov. Mashinostroenie no. 5:18-19 S-O '62.

KHARKOV—BREWERIES—EQUIPMENT AND SUPPLIES

Mechanization of labor consuming operations in beer bottling shops and packing departments. V. P. Domarets'kiy, M. A. Shale'kiy. Khark. prom. no. 4:38-39 O-D '62.

KHARKOV—COAL—CARBONIZATION

Coking of Tkibuli coals in the Kharkov experimental plant. A. A. Drakin, L. R. Tvaradze, N. A. Lapina. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:189-193 '62.

KHARKOV—ELECTRIC EQUIPMENT INDUSTRY

New research conducted by the Kirov Turbogenerator Plant in Kharkov. Energomashinostroenie 8 no. 12: 20, 20. D '62.

KHARKOV—INDUSTRIAL HYGIENE

Success depends on knowledge and experience. M. Bakov. Okhr. truda i sots. strakh. 6 no. 1:16-17 Ja '63.

KHARKOV—INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

Disseminating a knowledge of economics. I. Barais. Bukh. uch. 10 no. 12:56-57 D '62.

KHARKOV—LIBRARIES AND READERS

Library to propagandists. A. Dubovis. Bibliotekar' no. 1:11-12 Ja '63.

KHARKOV—MUSIC HALLS

Concert stage building in Kharkov. V. Moliseenko. Stroitel'stvo i arkh. 10 no. 12:23-24 D '62.

KHARKOV—SOCIALIST COMPETITION

Great vitality of V.I. Lenin's idea of socialist competition. L. I. Berlin, Kh. T. Slavutskaya. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:151-164 '60.

KHARKOV—TRACTOR INDUSTRY

T-74. Nauka i zhyttia 12 no. 9:27 S '62.

KHARKOV PROVINCE—BOOKSELLERS AND BOOK-SELLING

Organization of the mass dissemination of books on political subjects. A. Lichkatyi. Sov. knizh. tor. 14 no. 1:40 Ja '63.

KHARKOV PROVINCE—ECONOMIC GEOGRAPHY

Krasnikov, M. P., and S. H. Trehuba. [Kharkov Province: a geographical sketch] Kharkiv'ska oblast'; geografichnyi narys. Kyiv, Radlona'ska shkola, 1962. 101 p. (Oblasti Ukrainy kol' RSR)

KHARKOV PROVINCE—LIMESTONE

The causes of unprofitableness. N. Pisenrevskii. Fin. SSSR 23 no. 12:66-69 D '62.

KHAROVSK DISTRICT—RUSSIAN LANGUAGE—DIALECTS

Consonants partially softened before labial vowels in the dialects of Kharkovsk District in Volynia Province. R. F. Pafoshina. Mat. i issl. po res. dial. no. 2:74-77 '61.

KHARTOUM—DESCRIPTION

There where the White Nile joins the Blue. IU. Rodionov. Nov. vrem. 20 no. 8:26-28 F '63.

KHARTYSZK DISTRICT—COOPERATIVE SOCIETIES

Facing the store. I. Shkandynin. Sov. potreb. koop. 6 no. 12:15 D '62.

KHIERSON—COMMUNITY AND SCHOOL

Patrons help. N. Lavrynenko. Doshk. vykh. 23 no. 11:48 N '62.

KHIMKI—HOME AND SCHOOL

Parents are my friends and assistants. I. Poliak. Sem'ia i shkola 17 no. 11:7-9 N '62.

KHIV DISTRICT—POLITICS AND GOVERNMENT

In eight months. Sov. deput. trud. no. 8:80 S '62.

KHLOPEV, VITALII GRIGOR'EVICH, 1890-1950

Vdovenko, V. M. [Scientific studies of Academician V. G. Khlopov] Akademik V. G. Khlopov; nauchnaia delatel'nost'. Moskva, Gosatomizdat, 1962. 126 p.

KHMEL'NITSKIY PROVINCE—AGRICULTURE

Every sixth worker is an innovator. G. Kucheravenko. G. Kleinberg. NTO 4 no. 12:51 D '62.

KHMEL'NITSKIY PROVINCE—FIELD CROPS

Structure of crop acreages in Khmel'nitskiy Province. V. V. Smoliar. Vysnyk sil'shosp. nauky 5 no. 12:12-13 D '62.

KHMEL'NITSKIY PROVINCE—FRUIT CULTURE

Economics of fruit culture on collective and state farms of Khmel'nitskiy Province. V. Smoliar. Ekon. Rad. Ukr. no. 6:73-78 N-D '62.

KHOPER PRESERVE—BEAVERS

Census of beavers in the Khoper Preserve. IU. V. D'yakov. Trudy Khop. gos. zap. no. 3:15-26 '59.

Dynamics of the abundance of beavers in the population of the Khoper Preserve. IU. V. D'yakov. Trudy Khop. gos. zap. no. 3:27-33 '59.

Effect of hydrologic conditions in spring on the beaver colony in the Khoper Preserve. IU. V. D'yakov. Trudy Khop. gos. zap. no. 3:64-78 '59.

KHOPER PRESERVE—BOTANY

New materials on making a survey of higher plants in the Khoper State Preserve and its nearest vicinity. S. I. Mashkin. Trudy Khop. gos. zap. no. 3:271-285 '59.

KHOPER PRESERVE—CARP

Materials on the biology and fishing of crucian carp in the flood-plain bodies of water of the Khoper Preserve. F. E. Bogan. Trudy Khop. gos. zap. no. 3:103-139 '59.

KHOPER PRESERVE—DESMANS

Catching desmans in the Khoper Preserve in 1955-1957. V. V. Makarov, K. G. D'yakova. Trudy Khop. gos. zap. no. 3:5-14 '59.

KHOPER PRESERVE—MICE

Studying the population dynamics of murine rodents in the mountain oak forests of the Khoper Preserve. K. G. D'yakova. Trudy Khop. gos. zap. no. 3:97-102 '59.

KHOPER PRESERVE—NEMATODA

Mermithization of the caterpillars of the moth Mamestra oleracea L. in the floodplain oak forests of the Khoper Preserve. A. K. Artukhovskii, V. P. Negrobov. Trudy Khop. gos. zap. no. 3:268-270 '59.

KHOPER PRESERVE—OAK—DISEASES AND PESTS

Mermithization of the caterpillars of the moth Mamestra oleracea L. in the floodplain oak forests of the Khoper Preserve. A. K. Artukhovskii, V. P. Negrobov. Trudy Khop. gos. zap. no. 3:268-270 '59.

KHOPER RIVER BASIN—BEAVERS

Effect of winter floods on beavers. IU. V. D'yakov. Trudy Khop. gos. zap. no. 3:79-91 '59.

KHOPER VALLEY—BEAVERS

Materials on the characteristics of Khoper beavers. IU. V. D'yakov. Trudy Khop. gos. zap. no. 3:92-96 '59.

KHOPER VALLEY—FRESHWATER FLORA

Dynamics of the filling of the floodplain bodies of water of the Khoper River with higher aquatic vegetation. S. A. Krasovskaya. Trudy Khop. gos. zap. no. 3:217-267 '59.

Vegetation in the bodies of water of the floodplain of the Khoper River. S. A. Krasovskaya. Trudy Khop. gos. zap. no. 3:142-216 '59.

KHOREZMI LANGUAGE—ORTHOGRAPHY

Frelman, A. A. [Some characteristics of the phonetics and orthography of the Khorezmi language] O nekotorykh osobennostyakh fonetiki i ortografii khorezmiskogo iazyka. Moskva, Izd-vo vostochnoi lit-ry, 1960. 8 p. (XXV Mezhdunarodnyi kongress vostočkovedov; doklady delegatsii SSSR)

KHOREZMI LANGUAGE—PHONETICS

Frelman, A. A. [Some characteristics of the phonetics and orthography of the Khorezmi language] O nekotorykh osobennostyakh fonetiki i ortografii khorezmiskogo iazyka. Moskva, Izd-vo vostochnoi lit-ry, 1960. 8 p. (XXV Mezhdunarodnyi kongress vostočkovedov; doklady delegatsii SSSR)

KHORIZHAI, VERA ZAKHAROVNA, 1903-1942

Khoruzhaya, V. Z. [Letters from prison] Pis'ma na volnu. [Moskva] Izd-vo "Molodaya gvardia," 1962. 348 p.

KHURUSHCHEV, NIKITA SERGEEVICH, 1894-

Comrade N. S. Khrushchev in Byurakan. Izv. AN Arm. SSR, Ser. tekhn. nauk no. 4:3-5 '61.

Leninist economic policy of our party in action. Komm. Bel. 36 no. 12:12-17 D '62.

Nikita Sergeevich Khrushchev in Uzbekistan. Nar. khoz. Uzb. 4 no. 11:4-6 N '62.

The party as the organizer of the rapid development of Soviet agriculture. P. Alekseev. Kommunist 39 no. 2:21-28 Ja '63.

KHURUSTAL'NYI—MINES AND MINERAL RESOURCES

The planning assignment of enlarging the Khurustal'nyi Mining and Ore Dressing Combine. Biul. stroit. tekhn. 10 no. 12:44-45 D '62.

KHURUSTAL'NYI—ORE DRESSING

The planning assignment of enlarging the Khurustal'nyi Mining and Ore Dressing Combine. Biul. stroit. tekhn. 10 no. 12:44-45 D '62.

KHVOSTENKO-KHIVOSTVO, OLEKSANDR VENIAMINOVYCH, 1895-

Drak, A. Oleksandr Veniaminovich Khvostenko-Khivostov. Kyiv, Derzh. vyd-vo obrazovorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 45 p. illus. (MII)

KIDNEYS—DISEASES

Diagnosis of a kidney carbuncle. V. A. Mokhort, G. A. Stashevskii. Zdrav. Bel. 8 no. 12:60-61 D '62.

Dynamics of the regeneration process in experimental glomerulonephritis. V. V. Zhukov. Sbor. trud. Inst. khir. AMN SSSR no. 1:84-90 '62.

Hyaluronidase activity of the blood serum in nephritis and its change under the influence of hormone therapy. A. S. Chizh. Zdrav. Bel. 8 no. 12:24-27 D '62.

Proteins of the blood serum in children sick with nephritis and nephrotic syndrome. I. M. Usau. Vostsi AN BSSR, Ser. biol. nav. no. 3:112-118 '62.

Some characteristics of hematopoiesis in the lipid nephrotic syndrome in children [with summary in English]. E. A. Lakotkina. Vop. okh. mat. i det. 7 no. 9:41-45 S '62.

Vsesoiuznaya konferentsia terapevtov, 12th, Eriyan, 1960. [Transactions of the 12th All-Union Conference of Therapists: I. Pathology of the kidneys. II. Communication between polyclinics and hospitals] Trudy: I. Patologiya pochek. II. Svyaz' poliklinik so statsionarnymi; stenograficheskiy otchet. Erevan, Alpatrat, 1962. 164 p. (DNLM)

KIEV—APARTMENT HOUSES

They fulfill their obligations. I. Dem'ianenko. Stroitel' 8 no. 11:10 N '62.

KIEV—BIRCH

Birches of the Far East in the arboretum of the Central Republic Botanical Garden of the Academy of Sciences of the Ukrainian S.S.R. V. P. Denchyk. Vysnyk Bot. sada AN URSR no. 4:24-34 '62.

KIEV—BOOKSELLERS AND BOOKSELLING

Buyer and seller. G. Gurevich. Sov. knizh. tor. 14 no. 1:5-7 Ja '63.

KIEV—BRIDGE CONSTRUCTION

Erection of a reinforced concrete span 52.3m. long with dry joints. D. S. Aizikov. Transp. stroit. 12 no. 12:16-19 D '62.

KIEV—DARLIAS—VARIETIES

Study of the varieties and hybrids of dahlias in the Central Republic Botanical Garden of the Academy of Sciences of the Ukrainian S.S.R. M. P. Iashchenko, L. P. Ulasenko. Vysnyk Bot. sada AN URSR no. 4:35-42 '62.

KIEV—EDUCATION, PRESCHOOL

Increase everybody's responsibility for his section of work and for the cause in general. H. Shevchenko. Doshk. vykh. 23 no. 11:3-4 N '62.

KIEV—ELECTRIC EQUIPMENT INDUSTRY—EQUIPMENT AND SUPPLIES

Automatic line for machining relay bars. V. S. Potapenko. Mashinostroenie no. 5:27-28 S-O '62.

KIEV—EXHIBITIONS

At the Ukrainian exhibition of advanced practices. Zashch. rast. ot vred. i bol. 4 no. 5:16 S-O '59. Specialized exhibition on "Means for preventing corrosion of metals and building materials." G. A. Pavlov. Mashinostroenie no. 5:66-69 S-O '62.

KIEV—GUIDEBOOKS

[Kiev; articles and information.] Kyiv; statii-dovidky. Kyiv, Ukraina'ke vyd-vo polih. lit-ry, 1948. 140 p.

KIEV—MACHINERY INDUSTRY

Several problems of planning production in machinery manufacturing plants. O. Ahafonov. Ekon. Rad. Ukr. no. 6:37-41 N-D '62.

KIEV—MACHINERY INDUSTRY—HYGIENIC ASPECTS

When everybody needs this man. V. Kriachko. Okhr. truda i zots. strukh. 6 no. 1:14 Ja '63.

KIEV—MEAT INDUSTRY

Improve the conditions of beef cattle delivery to meat combines. B. Solovchik, O. Tatkalov. Mias. ind. SSSR 33 no. 6:36-38 '62.

KIEV—MUSEUMS

Kiev. Derzhavnyi muzej T. H. Shevchenka. [The T. H. Shevchenko Museum in Kiev; a guidebook] Kyivs'kiy derzhavnyi muzej T. H. Shevchenka; putivnyk. Kyiv, Akad. nauk URSR, 1961. 140 p. (MII)

KIEV—PLANT INTRODUCTION

Birches of the Far East in the arboretum of the Central Republic Botanical Garden of the Academy of Sciences of the Ukrainian S.S.R. V. P. Denchyk. Vysnyk Bot. sada AN URSR no. 4:24-34 '62.

KIEV—SCIENTIFIC LIBRARIES

The Library of the Academy of Sciences of the Ukrainian S.S.R. in Kiev. V. Lutsyl. Zhyttia i shkola 8 no. 10:1248-50 O-D '62.

KIEV—SCOPOLIA

Comparative study of Scopolia from the Carpathians and the Caucasus in cultivation. S. S. Kharkevych. Vysnyk Bot. sada AN URSR no. 4:68-65 '62.

KIEV—UNIVERSITIES AND COLLEGES

Kiev. Universytet. [Kiev University; a guidebook] Kyivs'kiy ordena Lenina derzhavnyi universytet im. T. H. Shevchenka; dovidnyk. Za red. V. V. Tsvietkova. [Kyiv] Vyd-vo Kyivs'koho univ., 1961. 130 p. (C8t-H)

KIEV—ZOOLOGICAL RESEARCH

A. N. Severtsov's school in Kiev. V. H. Kas'ianenko. Pratsi Inst. zool. AN URSR 18:3-11 '62.

KIEV PROVINCE—AGRICULTURE—AUDITING AND INSPECTION

Improve the auditing of operations on financing capital expenditures. I. Eidel'man. Den. i kred. 20 no. 11:59-61 N '62.

KIEV PROVINCE—BANKS AND BANKING

Improve the auditing of operations on financing capital expenditures. I. Eidel'man. Den. i kred. 20 no. 11:59-61 N '62.

KIEV PROVINCE—CONSTRUCTION EQUIPMENT

Construction mechanization is a hidden potentiality for increasing labor productivity. S. Koshchuk. Ekon. Rad. Ukr. no. 6:47-53 N-D '62.

KIEV PROVINCE—COOPERATIVE SOCIETIES

Fires of competition are burning. G. Romanchuk. Sov. potreb. koop. 6 no. 12:6-7 D '62.

KIEV PROVINCE—GROCERY TRADE

We develop the cooperative trade of foodstuffs. I. Bolko. Sov. potrebn. koop. 6 no. 12:16-17 D '62.

KILIMANJARO—MOUNTAINEERING

Descent to the summit. M. Balen'kil. Vokrug sveta no. 12:32 D '62.

KILNS

(see also subdivision under Kuybyshev Reservoir region)

Heat flow and radiation drying kiln with an output of 600 cups per hour. G. A. Kovel'man, V. A. Sokolova. Trudy GIKI no. 1:3-17 '60.

Increasing the working capacity of cars in a tunnel kiln. N. I. A. Glomil, M. I. Shurabidze. Stek. i ker. 10 no. 12: 27-28 D '62.

KILNS—EQUIPMENT AND SUPPLIES

Grooved car bottoms for tunnel kilns. V. K. Shestopalov, G. A. Petrina. Ogneupory 27 no. 12:566-569 '62.

KILNS, ROTARY

Automatic charging of rotary kilns. I. A. G. Gaponov. Ogneupory 28 no. 1:21-22 '63.

Doshko, I. U. I., M. D. Krolmer, and T. A. Ogarkova. [Adjustments and heat-engineering tests of rotary kilns at cement plants] Naladka i teploekhnicheskoe ispytaniya vrashchayushchikh pechei na tsementnykh zavodakh. Moskva, Gosstroizdat, 1962, 242 p.

KINDERGARTEN

(see also subdivision under Brest; Czechoslovakia)

Acquainting children with the work of adults. IE. Dzhar. Doshk. vykh. 23 no. 11:15-17 N '62.

Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut doskol'nogo vospitaniya. [Aesthetic training in a kindergarten] Esteticheskoe vospitanie v detskom sadu. Pod red. N. A. Vetlugina. Moskva, Izd-vo pedagog. nauk RSFSR, 1962, 60 p. (Pedagogicheskoe chteniye)

Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut doskol'nogo vospitaniya. [Child training in kindergarten] Vospitanie rebenka v detskom sadu; iz opyta raboty. Pod red. T. A. Markovoi. Moskva, Izd-vo AN RSFSR, 1962, 111 p.

Artistic decoration of a kindergarten. N. A. Vetlugina. Doshk. vosp. 35 no. 9:31-30 S '62.

Children should have attention. O. Solov'eva. Doshk. vosp. 35 no. 11:9-14 N '62.

Decoration of a kindergarten. T. N. Lopato and others. Doshk. vosp. 35 no. 9:16-31 S '62.

Ditties in the primary group. G. Tybina. Doshk. vosp. 35 no. 10:53-55 O '62.

First steps. A. Abramenko. Doshk. vosp. 35 no. 11: 30 N '62.

For tots. Leon Wincott. Nauka i zhizn' 28 no. 11:108-110 N '62.

From my experience. S. Kuprianova. Doshk. vykh. 23 no. 10:29-30 O '62.

Introducing progressive practice into kindergarten work. K. Kiseleva. Doshk. vykh. 23 no. 10:25-27 O '62.

Let everybody profit by the best practice. Z. Zbrozhek. Doshk. vykh. 23 no. 11:48 N '62.

Let's give children a good preparation for school. N. Potakova, N. Baturina. Doshk. vykh. 23 no. 12: 14-22 D '62.

Let's study and actively disseminate progressive pedagogical experience. Doshk. vykh. 23 no. 10:1-3 O '62.

New program of kindergarten training. A. Zaporozhets. Doshk. vosp. 35 no. 11:4-8 N '62.

Preparing a kindergarten for work according to the new program. E. Papkovskaya. Doshk. vosp. 35 no. 11:28-30 N '62.

"Russian folk works in a kindergarten" by A. P. Usova. Reviewed by N. M. Galochkin. Doshk. vosp. 35 no. 9: 122 S '62.

Selection of toys in a kindergarten. E. Kosakovskaya. Doshk. vosp. 35 no. 11:37-43 N '62.

Some problems of kindergarten decoration. M. V. Zaluzhskaya. Doshk. vosp. 35 no. 9:40-41 S '62.

Training program and craftsmanship of a teacher. K. Smolokurova. Doshk. vosp. 35 no. 11:15-18 N '62.

What to read on the new program. E. Tatishcheva and others. Doshk. vosp. 35 no. 11:106-114 N '62.

KINDERGARTEN—MUSIC

Aid for the music instructor. S. Rudnova. Doshk. vosp. 35 no. 10:87-94 O '62.

It began easily and unexpectedly. E. F. Shul'pina. Doshk. vosp. 35 no. 9:107 S '62.

Song lives among children. L. Mikhailova. Doshk. vosp. 35 no. 11:35-37 N '62.

KINDERGARTENS

(see also subdivision under Riga; Taymyr Peninsula)

New kindergarten. E. Kuz'mina. Doshk. vosp. 35 no. 11:63 N '62.

The press on preschool education. G. Danilenko. Doshk. vosp. 35 no. 11:52-57 N '62.

Pride of a collective farm. IU. Repin. Doshk. vosp. 35 no. 11:63-64 N '62.

Teacher's work requires all his strength and abilities. U. Mel'nychenko. Doshk. vykh. 23 no. 11:4-6 N '62.

With concern and love. I. Gal'perina. Doshk. vosp. 35 no. 11:61-63 N '62.

KINEMATICS

Kinematics and Lobachevskii's geometry. I. A. A. Smorodinski. Atom. energ. 14 no. 1:110-121 Ja '63.

Roiter, V. A. [Introduction to the theory of kinetics and catalysis] Vvedenie v teoriyu kinetiki i kataliza. Kiev, Izd-vo Akad. nauk USSR, 1962, 110 p.

KINEMATICS OF MACHINERY see Machinery, Kinematics of

KINESHIMA—CORRESPONDENCE SCHOOLS AND COURSES

An institute of the Communist Youth League announces admittance... Komsom. zhizn' no. 19:12-14 O '62.

KINETIC THEORY OF GASES see Gases, Kinetic theory of

KINETICS see Dynamics

KINETICS see Motion

KINSHIP

Kinship as a source of rights and obligations. I. A. R. Veborn. Vest. Mosk. un. Ser. 10: Pravo 17 no. 4:28-39 O-D '62.

KIPIANI, DMITRII

Unrevealed letters of Dmitrii Kiplani and Grigori Orbellani [in Georgian with summary in Russian]. E. M. Abramishvili. Izv. Inst. ruk. AN Gruz. SSR 3:155-163 '61.

KIRGHIZISTAN—AMBARY HEMP—HARVESTING

Ambary hemp harvesting. M. Orel. Tekh. v sel'khoz. 22 no. 11:8-10 N '62.

KIRGHIZISTAN—BACTERIA, CELLULOSE DECOMPOSING

Cellulose-decomposing micro-organisms in syrt soils of Kirghizistan. A. Obozov. Izv. Kir. fil. Vses. ob-va pochv. no. 1:38-43 '62.

KIRGHIZISTAN—BOOKSELLERS AND BOOKSELLING

Get rid of deficiencies in the material base. R. Nurikdinov. Sov. knizh. torg. 14 no. 10:3-4 '62.

KIRGHIZISTAN—BUILDING MATERIALS INDUSTRY—COSTS

Several potentials for reducing production costs at the Kirghiz Building Materials Combine. A. A. Mel'nikov. Vop. ekon. prom. Kir. no. 2:23-40 '61.

KIRGHIZISTAN—CLOTHING INDUSTRY—COSTS

Reducing production costs in the clothing industry of Kirghizistan by economizing on basic materials. K. Sh. Abdullaeva. Vop. ekon. prom. Kir. no. 2:91-100 '61.

KIRGHIZISTAN—COAL MINES AND MINING—LABOR PRODUCTIVITY

Hidden potentialities for increasing labor productivity in the coal industry of Kirghizistan. A. F. Gushchin. Vop. ekon. prom. Kir. no. 2:5-22 '61.

KIRGHIZISTAN—COURTS

People's judges must inform their constituents about their work. Sov. deput. trud. no. 6:105 Je '62.

KIRGHIZISTAN—CREDIT

State bank credit and the economy of Soviet Kirghizistan. I. Edinovich. Den. i kred. 20 no. 11:20-23 N '62.

KIRGHIZISTAN—DAIRY INDUSTRY

Development and distribution of the meat and dairy industries in the Kirghiz S.S.R. M. Imanaliev. Vop. ekon. prom. Kir. no. 2:139-158 '61.

KIRGHIZISTAN—ECONOMIC CONDITIONS

Toward new achievements. T. Usabatiev. Part. zhizn' no. 1:8-13 Ja '63.

KIRGHIZISTAN—FREIGHT AND FREIGHTAGE

Economic communications of the Kirghiz Economic Administrative Region. B. T. Murataliev. Vop. ekon. prom. Kir. no. 2:117-138 '61.

KIRGHIZISTAN—GEOCHEMISTRY

Geochemical research in Kirghizistan. V. T. Surgal. Vest. AN SSSR 33 no. 1:51-53 Ja '63.

KIRGHIZISTAN—GEOLOGY, STRATIGRAPHIC

Boundary of the Neogene and Quaternary in northern Kirghizia. K. V. Kurdikov. Trudy Kom. cheit. per. 20:126-131 '62.

KIRGHIZISTAN—GRAPES—WATER REQUIREMENTS

Water balance of a dry-farming vineyard in Kirghizistan. M. A. Zorin. Izv. Kir. fil. Vses. ob-va pochv. no. 1:79-80 '62.

KIRGHIZISTAN—INDUSTRIAL ORGANIZATION

Reorganization of industrial administration and several problems of strengthening business accounting. A. Imanbekov. Vop. ekon. prom. Kir. no. 2:187-201 '61.

KIRGHIZISTAN—INDUSTRIES

Economic communications of the Kirghiz Economic Administrative Region. B. T. Murataliev. Vop. ekon. prom. Kir. no. 2:117-138 '61.

KIRGHIZISTAN—LEATHER INDUSTRY

Potentials for increasing productive capacity in the leather industry of Kirghizistan. V. M. Erina. Vop. ekon. prom. Kir. no. 2:101-115 '61.

KIRGHIZISTAN—MEAT INDUSTRY

Development and distribution of the meat and dairy industries in the Kirghiz S.S.R. M. Imanaliev. Vop. ekon. prom. Kir. no. 2:139-158 '61.

KIRGHIZISTAN—PLANTS, PROTECTION OF

Care for protecting crop fields and plantations in the Kirghiz S.S.R. Zashch. rast. ot vred. i bol. 5 no. 7: 59 JI '60.

KIRGHIZISTAN—POPPY

Effect of bacterial fertilizers on the yield of medicinal poppy in Kirghizistan. E. G. Vukhrer. Izv. Kir. fil. Vses. ob-va pochv. no. 1:33-38 '62.

KIRGHIZISTAN—SOIL MICRO-ORGANISMS

Cellulose-decomposing micro-organisms in syrt soils of Kirghizistan. A. Obozov. Izv. Kir. fil. Vses. ob-va pochv. no. 1:38-43 '62.

KIRGHIZISTAN—SOILS

Soils in the Kones-Anarkhay area and the southwestern part of the Lake Balkhash region. G. D. Osadchii. Izv. Kir. fil. Vses. ob-va pochv. no. 1:105-112 '62.

KIRGHIZISTAN—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Role of technological progress in the development of the textile industry in Kirghizistan. O. V. Astrov. Vop. ekon. prom. Kir. no. 2:41-65 '61.

KIRGHIZISTAN—WAGES—DAIRY INDUSTRY

Problems of improving the organization of work and wages in enterprises of the meat and dairy industries of the Kirghiz S.S.R. A. Moldokulov. Vop. ekon. prom. Kir. no. 2:150-180 '61.

KIRGHIZISTAN—WAGES—MEAT INDUSTRY

Problems of improving the organization of work and wages in enterprises of the meat and dairy industries of the Kirghiz S.S.R. A. Moldokulov. Vop. ekon. prom. Kir. no. 2:150-180 '61.

KIROV—LIBRARIES

Oldest in Russia. V. Plenkov. V mire knig 2 no. 11: 40 N '62.

KIROV PROVINCE—RESEARCH, INDUSTRIAL

Public review of the work of the organizations of the All-Union Scientific and Technical Society in the enterprises of the Kirov Economic Council. Kozh. -obuv. prom. 4 no. 12:24 D '62.

KIROVOGRAD—COPPER INDUSTRY

According to our suggestions. N. Pecherskikh. NTO 4 no. 12:18-19 D '62.

KIROVOGRAD—MOTORCYCLE RACING

The main competition of the season. M. Tlievich. Za rul. 20 no. 12:10-11 D '62.

KIROVOGRAD PROVINCE—COLLECTIVE FARMS—FINANCE

Business accounting of collective farm brigades and sections. L. Fil'sheina. Den. i kred. 20 no. 11:54-58 N '62.

KIROVSK (DONETS PROVINCE)—POLITICS AND GOVERNMENT

City managers. I. Stepanova. Komsom. zhizn' no. 20: 10-12 O '62.

KISELEV, SERGEI VLADIMIROVICH, 1895-1962

S. V. Kiselev; obituary. Vest. Mosk. un. Ser. D: Ist. 13 no. 1:76-78 Ja-F '63.

KISHCHAY VALLEY—PRECIPITATION (METEOROLOGY)

Distribution of atmospheric precipitation in the Kishchay basin based on the data of total precipitation gauges [in Azerbaijani with summary in Russian]. Sh. B. Kerimov, I. M. Klein, Sh. M. Agaev. Uch. zap. AGU. Geol.-geog. ser. no. 1:71-78 '62.

KISHINEV—HISTORICAL RESEARCH

Scholarly studies published by the history teachers of Kishinev University. M. P. Muntian. Vop. ist. 38 no. 1:100-103 Ja '63.

KISHINEV—INFANTS—MORTALITY

Organizing control of child mortality in Kishinev. P. P. Kozishkurt, N. V. Shirokova. Zdravookhranenie 5 no. 3:3-6 My-Je '62.

KISHINEV—PENSIONS

"The committee does not believe your testimony..."
V. Shumilo. *Sots. obozr.* 24 no. 1:17 Ja '63.

KITAB—LATITUDE

Mean latitude of Kitab. D. I. Kravtsev, S. D. Mukhamed-zhanova, A. G. Logashov. *Astron. tsir.* no. 224:26-28 Ag '61.

KIZIL KUM see *Kyzyl Kum***KIZLYAR DISTRICT—CONSTRUCTION INDUSTRY**

Activities and needs of the Kizlyar interfarm construction trust. M. Shulenin. *Sel'stroi.* 16 no. 1:13-14 Ja '62.

KLIN-DMITROV RIDGE—SOILS—COMPOSITION

Trace element content of soils of the Klin-Dmitrov Ridge [with summary in English]. K. V. Verigina. *Pochvovedenie* no. 9:14-24 S '62.

KLINTSY (BRYANSK PROVINCE)—HOME AND SCHOOL

They have not become repeating students. A. Ostrovskii. *Sem'ia i shkola* 17 no. 11:16 N '62.

KLYAZ'MA RESERVOIR

The Klyaz'ma Reservoir as a source of the water supply. N. M. Avdeyevich, A. A. Borzakov, E. S. Vol'mina. *Gor. khoz. Mosk.* 36 no. 8:25-26 Ag '62.

KNEE—DISLOCATION

Cuff-strut for the reduction of a dislocated meniscus of the knee joint. S. I. Stamatina. *Zdravookhraneniye* 5 no. 3:57 My-Je '62.

KNIT GOODS

Slightly stretchable tricot fabrics made with synthetic and rayon yarn. A. I. Kobliakov, L. B. Stepanova. *Tekstil. prom.* 22 no. 12:40-44 D '62.

KNIT GOODS INDUSTRY see subdivision under *Podol'sk***KNIT GOODS INDUSTRY—FINANCE** see subdivision under *Moscow Province***KNITTING MACHINES**

New method of knitting the tipped heel on a semi-finished process cotton knitting machine. V. M. Lempert. *Tekstil. prom.* 22 no. 12:44-47 D '62.

KNOWLEDGE, THEORY OF

Grigor'yan, B. T. [Neo-Kantianism; a critical study] *Neokantianstvo; kriticheskiy ocherk. Moskva, Vysshaya shkola*, 1962. 88 p. (Materialy k lektsiiam po filosofii)

Minasian, A. M. [The categories of content and form] *Kategorii soderzhanits i formy. [Rostov-na-Donu] Izd-vo Rostovskogo univ.*, 1962. 311 p.

Sviderskii, V. I. [Dialectic of elements and structure in the objective world and in perception] *O dialektike elementov i struktury v ob'ektivnom mire i v poznanii. Moskva, Sotsetskiz*, 1962. 273 p.

KOBYRYS'KA, NATALIA OZARKEVYCH, 1851-1920

Knysh, Irena. [Torch in the darkness; Natalia Kobryns'ka and the Ukrainian women's movement] *Smoloskyp u tom: Iavi; Natalia Kobryns'ka i ukrains'kyi zhinochyi rukh. Z peredmovolu Oleny Kysileva'kol. Winnipeg, Nakladom avtorke, 1957. 302 p.* [With summary in English] (CtY)

KOBYSTAN—PETROLEUM GEOLOGY

Physico-geographical conditions determining the Pliocene sedimentation in the regions of southeastern Kobystan and the Baku Archipelago. A. K. Aliev. *Azerb. neft. khoz.* 41 no. 6:1-4 Je '62.

KOBYSTAN—ROCKS, CARBONATE

Fracturing in carbonate rocks of Upper Cretaceous sediments in the Pirsagachay-Tudarehay Interfluvium (northern Kobystan). N. T. Akhverdiev. *Azerb. neft. khoz.* 41 no. 8:5-7 Ag '62.

KOBYSTAN—WATER-SUPPLY ENGINEERING

Maximum discharge of water of the ephemeral streams in the region of winter pastures of Kobystan [in Azerbaijani with summary in Russian]. R. Kh. Piriev, A. A. Terterov, I. M. Bagirov. *Uch. zap. AGU. Geol.-geog. ser.* no. 6:97-106 '61.

KOCH, ROBERT, 1843-1910

Ianovskaya, M. I. [Robert Koch] Robert Koch. Moskva, Molodaya gvardiya, 1962. 271 p. (Zhizn' zamechatel'nykh liudei. Seriya biografii, no. 13[346])

KOCHKORKA REGION—AGRICULTURE

Efficient system of Agriculture and problems in increasing soil fertility in the Kochkorka Valley. A. M. Mamaytov. *Izv. Kir. fil. Vses. ob-va pochy.* no. 1:5-12 '62.

KOCHUBEYEVSKOYE DISTRICT—CLERKS (RETAIL TRADE)

Raisa Androsenko's brigade. G. Shevtakov. *Sov. potreb. koop.* 6 no. 12:27-28 D '62.

KODALY, ZOLTAN, 1882-

Birth of a masterpiece. Jozsef Ujfaluassy. *Sov. muz.* 26 no. 12:121-125 D '62.
Zoltan Kodaly's 60th birthday. Renos Szabolcsi. *Sov. muz.* 26 no. 12:116-120 D '62.

KODAR MOUNTAINS—GLACIERS

Glaciers named after Oleg Iablonskii and Aleksandr Kaufman on the Kodar Ridge, Transbaikalia. N. M. Laptev, A. A. Lukashov. *Vest. Mosk. un. Ser. 5:Geog.* 17 no. 8:75-78 N-D '62.

KOGAN, LEONID BORISOVICH, 1924-

The foreign press on the tours of Soviet artists. A. Baranova. *Sov. muz.* 26 no. 12:75-78 D '62.
In far-off countries. L. Kogan. *Sov. muz.* 26 no. 12:73-75 D '62.

KOKCHTAV PROVINCE—STATE FARMS

State farms in virgin lands should have their own machinery operators. A. Gutorov. *Sov. deput. trud.* no. 9:32-34 S '62.

KOLA PENINSULA—GEOLOGY, STRUCTURAL

Geological characteristics of some massifs in the Paleozoic ultrabasic-alkaline complex of the Kola Peninsula and the distribution of perovskite in them. B. P. Zolotarev. *Trudy IMGRE* no. 9:142-150 '62.

KOLA PENINSULA—MINES AND MINERAL RESOURCES

Romantics enter life. Z. Chirkova. *Mol. kolnm.* no. 12:39-44 D '62.

KOLA PENINSULA—PEROVSKITE

Geological characteristics of some massifs in the Paleozoic ultrabasic-alkaline complex of the Kola Peninsula and the distribution of perovskite in them. B. P. Zolotarev. *Trudy IMGRE* no. 9:142-150 '62.

KOLAS, IAKUB, pseud. see *Mitskevich, Konstantin Mikhailovich, 1882-1956*

KOLKHIDA see *Colchis***KOLKHIDA LOWLAND—LEVEES**

Formation of beds in Kolkhida rivers where levees have been constructed. P. A. Shatberashvili. *Trudy Gruz. NIGIM* no. 21:100-112 '60.

KOLOMNA DISTRICT—AGRICULTURE—ACCOUNTING

Use new methods for guiding accounting. N. Boykun. *Uchel i fin. v kolkh. i sovkh. 19* no. 5:10-11 My '62.

KOLOMYIA—ART INDUSTRIES

In the land of Huculs. *Meat. prom. i khud. promys.* 3 no. 11:32 N '62.

KOL'TSOV, SERGEI VASIL'EVICH, 1892-1951

Paramonov, A. V. S. V. Kol'tsov, 1892-1951. Moskva, Sovetskii khudozhnik, 1962. 92 p. (MII)

KOMI A. S. S. R.—COMMUNIST YOUTH LEAGUE

Everyone must become a leader... V. Ivanov. *Komsom. zhizn'* no. 20:8-9 O '62.

KOMI A. S. S. R.—ENSILAGE

Organization and economic effectiveness of surface silage of feeds as exemplified by the "Gamski" State Farm in the Komi A. S. S. R. M. A. Chuv'urov. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11:47-53 '62.

KOMI A. S. S. R.—INSURANCE, SOCIAL

From the Collection of the Ministry. *Sots. obozr.* 23 no. 11:50-51 N '62.

KOMI A. S. S. R.—LUMBERING

Improvement of the economics of the lumber industry. V. Modlanov. *NTO* 4 no. 12:16-17 D '62.
A new role. V. Modlanov. *NTO* 4 no. 9:16 S '62.

KOMI A. S. S. R.—LUMBERING—HYGIENIC ASPECTS

Let's train, support and teach. B. Bondarev. *Okhr. truda i sois. strakh.* 6 no. 1:26 Ja '63.

KOMI A. S. S. R.—LUMBERING—LABOR PRODUCTIVITY

Production resources in action. N. P. Moshonkin. *Les. prom.* 40 no. 10:9-11 O '62.

KOMI-PERMYAK NATIONAL AREA—EDUCATION, PRESCHOOL

Children's institution on the collective farms of the Komi-Permyak National Area. M. Tuneva. *Doshk. vosp.* 35 no. 10:74-75 O '62.

KOMSOMOL'SKOYE REGION (DONETSK PROVINCE)—STRIP MINING—LABOR PRODUCTIVITY

Ways of increasing the labor productivity in pits of the Karakubskiy Mining Administration. A. D. Omel'chenko. *Gor. zhur.* no. 5:8-10 My '62.

KONDOPOGA DISTRICT—FOREST SOILS

Microbiocenosis of the soils of main forest types in the "Kivach" Preserve. M. G. T'iany-Riadno and others. *Trudy Kar. fil. AN SSSR* no. 34:93-112 '62.

Seasonal dynamics of chemical properties of the soil under spruce-whortleberry forests and motley-type birch groves in the "Kivach" Preserve. T. I. Levkina. *Trudy Kar. fil. AN SSSR* no. 34:23-49 '62.

KONDOPOGA DISTRICT—SOIL MICRO-ORGANISMS

Microbiocenosis of the soils of main forest types in the "Kivach" Preserve. M. G. T'iany-Riadno and others. *Trudy Kar. fil. AN SSSR* no. 34:93-112 '62.

KONDOPOGA DISTRICT—SOILS—ANALYSIS

Method of sampling forest litter for studying its chemical properties. T. I. Levkina. *Trudy Kar. fil. AN SSSR* no. 34:50-57 '62.

KONDOPOGA DISTRICT—SOILS—BACTERIOLOGY

Distribution of ammonifiers in soils of main forest types in the "Kivach" Preserve. V. V. Ershov. *Trudy Kar. fil. AN SSSR* no. 34:147-154 '62.

KONENKOV, SERGEI TIMOFEEVICH, 1874-

Kamenskii, A. A. Konenkov. Moskva, Sovetskii Khudozhnik, 1962. 370 p.

KONIAKIN, ANISIM VASIL'EVICH, d. 1902

Anisim Vasil'evich Koniaikin; obituary. *Sov. pedagog.* 20 no. 12:152 D '62.

KONOSHA DISTRICT—LUMBERING

Glorious patriotic initiative. *Les. prom.* 40 no. 10:1 O '62.
Practices of I. Iakovlev's brigade should be used by all lumberers. A. N. Semakov. *Les. prom.* 40 no. 12:2-5 D '62.

Worthy contribution to the seven-year plan. A. Glebov, G. Shishalov. *Les. prom.* 40 no. 12:6-7 D '62.

KONOSHA DISTRICT—LUMBERING—MACHINERY

Good working order of machinery is a guaranty of success. I. S. Iakovlev. *Les. prom.* 40 no. 11:3 N '62.

KOPET-DAG—GAS, NATURAL—GEOLOGY

Tectonics of the eastern Kopet-Dag foothills in connection with oil and gas prospects. S. P. Val'be, I. U. G. Kir'ianov, L. N. Smirnov. *Trudy Inst. geol. AN Turk. SSR* 3:137-143 '60.

KOPET-DAG—PETROLEUM GEOLOGY

Tectonics of the eastern Kopet-Dag foothills in connection with oil and gas prospects. S. P. Val'be, I. U. G. Kir'ianov, L. N. Smirnov. *Trudy Inst. geol. AN Turk. SSR* 3:137-143 '60.

KOPTEVO—BOILERS—MAINTENANCE AND REPAIR

Centralized boiler plant in Koptevo and its operation. I. M. Varfolomeev. *Gor. khoz. Mosk.* 36 no. 7:32-33 Ji '62.

KOREA—ECONOMIC CONDITIONS

Korea yesterday and today. Jaroslav Mewald, Werner Ditschmann. *Vsem. prof. dvizh.* no. 12:33-36 D '62.

KOREA—HISTORY

Vanin, I. V. [Feudal Korea in the 13th and 14th centuries] *Feodal'naiia Koreia v XIII - XIV vekakh. Moskva, Izd-vo vostochnoi lit-ry*, 1962. 196 p.

KOREA—OAK

Promising oak species of Korea for introduction into the U. S. S. R. V. M. Ivanov. *Byul. Glav. bot. sada* no. 47:7-13 '62.

KOREA, NORTH—COMMERCE

Significance of foreign trade relations in developing the national economy of the Korean People's Democratic Republic. N. P. Semenova. *Uch. zap. IMO* no. 0:43-65 '62.

KOREA, NORTH—COST AND STANDARD OF LIVING

Problems of improving the workers' living standards in the seven-year plan for the national economic development of the Korean People's Democratic Republic. V. Filippova. *Byul. nauch. inform. i trud i zar. plata* 5 no. 4:60-62 '62.

KOREA, NORTH—ECONOMIC POLICY

Problems of improving the workers' living standards in the seven-year plan for the national economic development of the Korean People's Democratic Republic. V. Filippova. *Byul. nauch. inform. i trud i zar. plata* 5 no. 4:60-62 '62.
Significance of foreign trade relations in developing the national economy of the Korean People's Democratic Republic. N. P. Semenova. *Uch. zap. IMO* no. 0:43-65 '62.

KOREA, SOUTH—FOREIGN RELATIONS—JAPAN

Ambassador Lee Son Yun on the Tokyo talks; an interview. *Nov. vrem.* 20 no. 3:18-19 Ja '63.

KOREA, SOUTH—POLITICS AND GOVERNMENT

[Political situation in South Korea] *Politicheskoe polozhenie v Yuznoi Koree. P'yongyang, Izd-vo lit-ry na inostr. yazykakh*, 1959. 40 p. (Sbornik materialov o Koree, no. 6)

KORMA (GOMEL PROVINCE)—BOOKSELLERS AND BOOKSELLING
Enthusiasts, A. Govorov. Sov. potreb. koop. 8 no. 11: 26-28 N '62.

KORMILOVKA DISTRICT—CONSTRUCTION INDUSTRY
On the wrong path. I. Toropov. Sov. deput. trud. no. 9: 76-78 S '62.

KOROLENKO, VLADIMIR GALAKTIONOVICH, 1853-1921
Studying V. G. Korolenko's tale "Children of the underground" in grade 5. G. I. Khromov. Uch. zap. Rov. gos. ped. inst. 6:100-106 '61.
V. G. Korolenko's story "Speechless." I. T. Baranov. Uch. zap. Rov. gos. ped. inst. 6:62-99 '61.

KOROVIN, EVGENII ALEKSANDROVICH, 1892-
Professor E. A. Korovin's 70th birthday. Vest. Mosk. un. Ser. 10: Pravo 17 no. 4:77-78 O-D '62.

KORYAK VOLCANO

Koryak volcano of Kamchatka. T. I. U. Marenina, A. N. Sirin, K. M. Timerbaeva. Trudy Lab. vulk. no. 22: 67-130 '62.

KOSHCHEEV, IVAN ALEKSEEVICH, 1902-
Ivan Alekseevich Koshechev. Elektrosvyaz' 16 no. 12: 72 D '62.

KOSHKUPYR DISTRICT—AGRICULTURE—LABOR PRODUCTIVITY

A political education group on a collective farm. R. Nemtsev. Part. zhizn' [Uzb.] 5 no. 11:57-59 N '62.

KOSHKUPYR DISTRICT—COTTON GROWING

Bright beacon lights. K. Madaliev. Komm. Uz. 34 no. 10:93-94 O '62.

KOSTRIUKOVA, KSENIA IUL'EVNA, 1892-
Ksenia Iul'evna Kostriukova; on her 70th birthday. I. P. Belokon'. Bot. zhur. 47 no. 11:1701-1703 N '62.

KOSTROMA—TEXTILE FACTORIES

Great achievements of a small collective. N. Strav's. Mest. prom. i khud. promys. 3 no. 11:3 N '62.

KOSTROMA PROVINCE—CONSTRUCTION INDUSTRY
Life requires an improvement in the construction industry. Kralzev. Sel. stroi. no. 12:10 D '62.

KOSTROMA PROVINCE—FALLOWING
Green fallows in Kostroma Province [with summaries in English, German, and French]. I. S. Sidorov. Vest. sel'khoz. nauki 7 no. 5:28-32 My '62.

KOSTROMA PROVINCE—FINANCE
What hinders us. I. Nikonov. Fin. SSSR 23 no. 12:62-65 D '62.

KOTSUBYNS'KYI, MYKHAILO, 1884-1913

Illegal library in M. Kotsubynskyi's apartment. S. Ioffe. Bibliotekar' no. 1:01-62 Ja '63.

KOTUY VALLEY—GEOLOGY, STRATIGRAPHIC
Stratigraphy of Permian sediments in the lower Kotuy Valley. N. F. Smirnov. Trudy VNIIGRI no. 100:454-457 '62.

KOVDAR REGION—MELILITES

Process of the melilitization of ultrabasic-alkali rocks in the Kovdar massif. A. V. Lapin. Trudy IMORE no. 9:207-223 '62.

KRAMATORSK—MACHINERY INDUSTRY

Grigori Rev and his followers. A. Rednikin. Mashinostroitel' no. 12:2-3 D '62.

KRASHENINNIKOV, STEPAN PETROVICH, 1711-1765
First explorer of Kamchatka. M. Shestakovna. Nauka i zhytlin 12 no. 10:61 O '62.

KRASnodAR—ORTHOPEDIC APPARATUS INDUSTRY
Result of a criticism. Sots. obzr. 23 no. 9:52-53 S '62.

KRASnodAR—RESEARCH LIBRARIES

Working with foreign literature in the technological library of the All-Union Scientific Research Institute of Tobacco and Mekhorka. L. A. Lomakina. Opyt rab. bibliot. s inostr. lit. no. 3:30-39 '60.

KRASnodAR—WAGES—INSTRUMENT INDUSTRY
Wages based on the finished product. I. A. Borovitskii. Sots. trud 7 no. 4: 123-127 Ap '62.

KRASnodAR TERRITORY—AERONAUTICS IN AGRICULTURE

It is time for a change. I. Sytyl. Grazhd. av. 19 no. 9: 9-10 S '62.

KRASnodAR TERRITORY—AGRICULTURAL ADMINISTRATION

Socialist competition among village toilers. G. Vorob'ev. Part. zhizn' no. 4:8-14 F '63.

KRASnodAR TERRITORY—AGRICULTURAL PESTS

Citrus pests in the northern section of the Soviet subtropics [with summary in English]. S. A. Zagatnyi. Subtrop. kul't. no. 1:63-72 '62.

KRASnodAR TERRITORY—CITRUS FRUITS—DISEASES AND PESTS

Citrus pests in the northern section of the Soviet subtropics [with summary in English]. S. A. Zagatnyi. Subtrop. kul't. no. 1:63-72 '62.

KRASnodAR TERRITORY—CORN (MAIZE)

Raise corn with the least expenditures. V. Sklar. Ekon. sel'khoz. 34 no. 1:47-51 Ja '63.

KRASnodAR TERRITORY—FOREST MANAGEMENT
Possibilities of utilizing and restoring the mountain forests of Krasnodar Territory. K. K. Kalutskii. Les. khoz. 15 no. 11:28-31 N '62.

KRASnodAR TERRITORY—FUR FARMING

Profitable fur farming. K. Radchenko. Sov. potreb. koop. 6 no. 11:40-41 N '62.

KRASnodAR TERRITORY—POLITICS AND GOVERNMENT

Let us organize the work of activists and guide it. S. Kuznetsov, A. Konev. Sov. deput. trud. no. 1:70-73 Ja '63.

KRASnodAR TERRITORY—SNOW

Snow cover as a factor favorable for the wintering of tea. G. G. Meladze. Subtrop. kul't. no. 1:106-108 '62.

KRASnodAR TERRITORY—SOILS

Qualitative evaluation of orchard and vineyard soils in the piedmont zone of Krasnodar Territory. K. G. Kynev. Sbor. stud. nauch. i issl. rab. TSKHA no. 11: 265-270 '62.

KRASnodAR TERRITORY—TEA

Snow cover as a factor favorable for the wintering of tea. G. G. Meladze. Subtrop. kul't. no. 1:106-108 '62.

KRASnodARSK—PAPER INDUSTRY

"The Kama Combine: 25th anniversary." Review. Bum. prom. 37 no. 12:3 of insert D '62.

KRASnodARSKENKOVO DISTRICT—AGRICULTURE

Victory of the agronomist. N. Davlat'larov. Zemledelie 24 no. 12:70-72 D '62.

KRASnodARSK—LANDSCAPE GARDENING

Trees came to town. S. Barmina. Sov. Kras. krest 12 no. 4:12 Ji-Ag '62.

KRASNOV, ANDREI NIKOLAEVICH, 1862-1914

Professor Andrei Nikolaevich Krasnov; on the 100th anniversary of his birth. M. I. Kotov. Ukr. bot. zhur. 19 no. 5:104-108 '62.

KRASNOVODSK—GYPSUM

Calcined gypsum with increased strength. V. P. Antonov, I. B. Aizenberg. Trudy FTI Turk. fil. AN SSSR no. 2: 17-27 '60.

KRASNOVODSK DISTRICT—BUILDING STONES

Temporary technical specifications for quarrying "glusha" blocks of limestone from the Krasnovodsk deposit of the Turkmen S. S. R. S. A. Gaevalik. Trudy FTI Turk. fil. AN SSSR no. 2:14-16 '60.

KRASNOYARSK—AIR PILOTS

Olympus turned out to be slippery. G. Grigor'ev. Grazhd. av. 19 no. 8:21 S '62.

KRASNOYARSK—BOOKSELLERS AND BOOKSELLING

There is a store in Moscow... K. Lyzhin. Sov. knizh. torg. 14 no. 10:34 '62.

KRASNOYARSK—BRIDGE CONSTRUCTION

Road bridge across the Yenisey at Krasnoyarsk. P. Egorov, G. Genritay. Na stroi. Ros. no. 12:14-16 '61.

KRASNOYARSK—LIBRARIES AND READERS

Ways of working with foreign literature at the Central Office of Technical Information in the Krasnoyarsk Economic Council. V. P. Avgustinovich. Opyt rab. bibliot. s inostr. lit. no. 3:25-27 '60.

KRASNOYARSK TERRITORY—CONSTRUCTION INDUSTRY—COSTS

Why does construction cost so much. V. Gurov. Fin. SSSR 23 no. 12:48-49 D '62.

KRASNOYARSK TERRITORY—FORESTRY SCHOOLS AND EDUCATION

Useful seminar. I. Pochelnikov, N. Prolov. Fin. SSSR 23 no. 12:70-71 D '62.

KRASNOYARSK TERRITORY—GEOLOGY, STRUCTURAL

Basic problems of the tectonics of Krasnoyarsk Territory in connection with the Krasnoyarsk Conference on Tectonics. V. V. Bogatskii, D. I. Musatov, V. E. Khain. Vest. Mosk. un. Ser. 4: Geol. 17 no. 6:3-10 N-D '62.

KRASNOYARSK TERRITORY—LUMBER—TRANSPORTATION

Loading round logs with the KIKU-7, 5 cranes. A. Red'kin, M. Barykov. Les. prom. 40 no. 12:28-29 D '62.

KRASNOYARSK TERRITORY—WEEVILS—EXTERMINATION

The leaf roller weevil Byctiscus betulae L. in the south of Krasnoyarsk Territory. V. D. Zhukova. Zashch. rast. ot vred. i bol. 4 no. 5:55 S-O '59.

KREMENCHUG (TRASPOL' DISTRICT)—MEDICINE, RURAL

Organization of medical services for children in the village of Kremenchug, Traspol' District. E. E. T'saran. Zdravookhranenie 5 no. 3:53-54 My-Je '62.

KREMENCHUG HYDROELECTRIC POWER STATION—TECHNOLOGICAL INNOVATIONS

Efficiency promotion at the Kremenchug Hydroelectric Power Station. I. N. Kuzmina. Gidr. stroi. 33 no. 11: 44-47 N '62.

KREMENCHUG RESERVOIR—CARP

Effect of pike on the wild carp stock in Kremenchug Reservoir [with summary in English]. D. M. Vashchenko. Zool. zhur. 41 no. 11:1740-1751 N '62.

KREMENCHUG RESERVOIR—PIKE

Effect of pike on the wild carp stock in Kremenchug Reservoir [with summary in English]. D. M. Vashchenko. Zool. zhur. 41 no. 11:1740-1751 N '62.

KREMENETS HILLS—DOTANY

New species of plants from the area of Kremenets [with summary in English]. B. V. Zaverukha. Ukr. bot. zhur. 19 no. 5:49-63 '62.

KREMikovTSI, BULGARIA—STEEL INDUSTRY

Kremikovtsi. A. Stekol'nikov. Nov. vrem. 20 no. 5:20-21 F '63.

KREUTZWALD, FRIEDRICH REINHOLD, 1803-1882

Kreutzwald, F. R. [Correspondence] Kirjavahetus; Toimetuse kolleegium; E. Ertis [et al.] Tallinn, Eesti Riiklik Kirjastus, [In Estonian] Vols. 2-4, 1956-1959. (CIY)

KRIVOY ROG BASIN—IRON AND STEEL PLANTS

Beacon of iron metallurgy. M. Borodavkin. NTO 4 no. 12:21-24 D '62.

KRIVOY ROG BASIN—IRON MINES AND MINING

Improving methods of tapping ore deposits at great depths. P. N. Taron, I. I. Mikhailov, G. E. Simforov. Gor. zhur. no. 5:23-25 My '62.

Rapid upraise mining at the "Severnais" Mine of the Kirov Mining Administration. N. I. A. Gunbin, V. M. Veksel'man, F. K. Mikhailenko. Met. i gornorud. prom. no. 5:80-82 S-O '62.

KRIVOY ROG BASIN—MINE DUSTS—REMOVAL

Removing dust from the air by means of bag filters in mines of the Krivoy Rog Basin. V. V. Nedin, O. D. Nekov, F. I. Danchenko. Gor. zhur. no. 5:84-87 My '62.

KRIVOY ROG BASIN—ORE DRESSING

The Central Krivoy Rog Mining and Ore Dressing Combine. N. Bogdanov, V. Musik. Stroi. i arkhitekt. 10 no. 12:6-7 D '62.

Efficient distribution of the Krivoy Rog Basin iron-ore pelletizing plants. M. Kamenshchikov, V. Chernikhov. Ekon. Rad. Ukr. no. 6:93-96 N-D '62.

Technical and economic survey of the operation of the ore-dressing plants of the Southern and New Krivoy Rog Mining and Ore Dressing Combines. V. A. Binkevich. Gor. zhur. no. 1:67-71 Ja '63.

KRIVOY ROG BASIN—ORE HANDLING

Improve the chute-drawer operation in mines of the Krivoy Rog Basin. G. G. Petrenko. Gor. zhur. no. 5: 45-46 My '62.

KRIVOY ROG BASIN—PRECAST CONCRETE CONSTRUCTION

The Central Krivoy Rog Mining and Ore Dressing Combine. N. Bogdanov, V. Musik. Stroi. i arkhitekt. 10 no. 12:6-7 D '62.

KRIVOY ROG BASIN—STRIP MINING

Planning the development of mining operations in an open pit of the Southern Mining and Ore Dressing Combine. I. I. Savitskii, A. I. Arsen'tev. Gor. zhur. no. 5:10-14 My '62.

KROTILIN

The herbicide Krotilin. N. O. Karapellian. Zashch. rast. ot vred. i bol. 4 no. 5:40 S-O '59.

KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1869-1939

Collection of the educational works of N. K. Krupskaya will have eleven volumes. V. Fat'lanov. Sov. pedagog. 26 no. 8:155 Ag '62.

KRYLENKO, NIKOLAI VASIL'EVICH, 1885-1938

Simonián, M.N. [A life devoted to the revolution] Zhizn' dlia revoliutsii. Moskva, Gospolitizdat, 1962. 78 p. (Gerol i podvig)

KRYMOV, IURII SOLOMONOVICH, 1908-1941

Iurii Krymov died as a communist. E. Nikitina. Nauka i zhizn' 29 no. 11:18-19 N '62.

KUBA DISTRICT—FRUIT—DISEASES AND PESTS

On advanced farms. V. V. Chernyshev. Zashch. rast. ot vred. i bol. 5 no. 10:8-9 O '60.

KUBA DISTRICT—SPRAYING AND DUSTING IN AGRICULTURE

On advanced farms. V. V. Chernyshev. Zashch. rast. ot vred. i bol. 5 no. 10:8-9 O '60.

KUBAN—EMPLOYEES, TRAINING OF

Schools for the personnel of local soviets in the Kuban. S. Kuznetsov, A. Konev. Sov. deput. trud. no. 9:59-61 S '62.

KUBAN-AZOV LOWLAND—GEOLOGY, STRATIGRAPHIC

Conditions of the accumulation of paleogene sediments in the Kuban-Azov Lowland. IU. P. Nikitina. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 19:16-25 O '62.

KUBAN LOWLAND—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Neogene-Quaternary sediments in the eastern part of the Kuban Lowland. N. A. Lebedeva, I. E. Mitin. Trudy Kom. chetv. per. 19:223-239 '62.

KUBAN VALLEY—GEOLOGY, STRATIGRAPHIC

Some recent data on continental Upper Pliocene deposits of the western Kuban trough. E. M. Volikovskaya, N. N. Naidina. Dokl. AN SSSR 147 no. 4:889-892 D '62.

KUBAN VALLEY—SOIL FORMATION

Genesis of packed soils in the middle Ural and Kuban Valleys [with summary in English]. T. L. Bystritskaya. Pochvovedenie no. 9:59-68 S '62.

KUBAN VALLEY—TERRACES (GEOLOGY)

Age and spatial correlations of Quaternary terraces in the Kuban Valley. G. I. Goretskii. Trudy Kom. chetv. per. 19:194-222 '62.

KUGITANG TAU—ORE DEPOSITS

Effect of enclosing rocks on the localization of ores as revealed by the studies of the Kugitang deposits. A. Kuliev. Trudy Inst. geol. AN Turk. SSR 3:189-199 '60.

Mineral-chemical and genetical characteristics of ore deposits in the Kugitang-Tau. S. T. Badalov. Trudy Inst. geol. AN Turk. SSR 3:173-193 '60.

KULASHOU, ARKADZ' ALIAKSANDROVICH, 1914-

Dunashenko, Hanna. [Poetry of Arkadz' Kulashou] Poesiia Arkadiia Kulashova. Kyiv, Radlans'kyi pys'mennyk, 1962. 164 p. (MH) (InU)

KULBIN, IVAN PETROVICH, 1735-1818

Raskin, N.M. Ivan Petrovich Kulbin, 1735-1818. Moskva, Izd-vo Akad. nauk SSSR, 1962. 205 p.

KULUNDA—EDUCATION, PRESCHOOL

Combined children's institution on a Kulunda state farm. M. M. Boriskina. Doshk. vosp. 35 no. 9:95-97 S '62.

KUMYKS

"The Kumyks; historical and ethnological study" by S. Sh. Gadzhieva. Reviewed by A. Trofimova. Sov. etn. no. 6:165-167 N-D '62.

KUNASHIR ISLAND—PUMICE

Recent data on the material and chemical composition of pumice rocks on the islands of Kurup and Kunashir (Kurile Islands). O. I. Bent. Dokl. AN SSSR 147 no. 6:1441-1443 D '62.

KUNDZINS, KARLIS, 1902-

On the 60th birthday of K. Kundzina, literary scholar and drama critic [in Latvian]. G. Mackova. Izv. AN Latv. SSR no. 8:135-136 '62.

KUNITSYN, IVAN TIMOFEEVICH

Advance of a flyer. V. Vukolov. Sov. voln 45 no. 1:21-23 Ja '63.

KUPRIN, ALEKSANDR IVANOVICH, 1870-1938

New information of Kuprin. V. Afanas'ev. V mire knig 3 no. 1:44-45 Ja '63.

KURA-ARAS LOWLAND see Kura-Aras Lowland

KURA-ARAS LOWLAND—SURVEYING

Production of a combine plane-table levelling and surveying on the basis of an independent triangulation net in the Kura-Aras Lowland of the Azerbaijan S. S. R. T. A. Sultanov. Uch. zap. AGU. Geol.-geog. ser. no. 6:127-136 '61.

KURA-ARAS LOWLAND REGION—WATER, UNDERGROUND

Hydrogeological conditions of the hillsides adjacent to the Kura-Aras Lowland. G. Isrnfilov. Uch. zap. AGU. Geol.-geog. ser. no. 6:85-88 '61.

KURA LOWLAND—GEOLOGY

Geology of the western part of the Kura Lowland, based on gravimetric data. G. Sh. Shengelaia. Trudy Inst. geofiz. AN Gruz. SSR 20:183-194 '62.

KURA LOWLAND—GRAVITY PROSPECTING

Geology of the western part of the Kura Lowland, based on gravimetric data. G. Sh. Shengelaia. Trudy Inst. geofiz. AN Gruz. SSR 20:183-194 '62.

KURCHATOV, IGOR' VASIL'EVICH, 1903-1960

I. V. Kurchatov and nuclear reactors. V. V. Goncharov. Atom. energ. 14 no. 1:10-17 Ja '63.

Igor' Vasil'evich Kurchatov. I. K. Kikoin. Atom. energ. 14 no. 1:5-9 Ja '63.

Outstanding physicist of our times; the sixtieth birthday anniversary of I. V. Kurchatov. K. I. Shchelkin, A. I. Atkhanov. Priroda 52 no. 1:25-34 '63.

KURCHATOV, IGOR' VASIL'EVICH, 1903-1960—BIBLIOGRAPHY see Bibliography—Kurchatov, Igor' Vasil'evich, 1903-1960

KURDISH LANGUAGE—DIALECTS

Kurdoev, K. K. [Objective and subjective conjugation of the transitive verb in Kurdish; from materials on the Kurmanji and Sorani dialects] Ob'ektivno i sub'ektivno spriazhenie perekhodnogo glagola v kurdskomazyke; na materialakh dialektov kurmandzhi i sorani. Moskva, Izd-vo vostochnoi lit-ry, 1960. 8 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)

KURDISH LANGUAGE—VERB

Kurdoev, K. K. [Objective and subjective conjugation of the transitive verb in Kurdish; from materials on the Kurmanji and Sorani dialects] Ob'ektivno i sub'ektivno spriazhenie perekhodnogo glagola v kurdskomazyke; na materialakh dialektov kurmandzhi i sorani. Moskva, Izd-vo vostochnoi lit-ry, 1960. 8 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)

KURDIUMOV, SERGEI VLADIMIROVICH, 1902-

S. V. Kurdiunov's 60th birthday. Torf. prom. 39 no. 8:32 '62.

KURGAN PROVINCE—CRIMINAL JUSTICE, ADMINISTRATION OF

Assistance in the organization of inspections is the most important factor. A. Shcherbo. Sots. zakon. 40 no. 1:51-52 Ja '63.

KURGAN—TUBE REGION—IRRIGATION

Studying the elements of irrigation technique with prolonged furrows. A. A. Akzhanov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 12:85-88 D '62.

KURILE ISLANDS—ECONOMIC CONDITIONS

In the Kuriles. Sov. deput. trud. no. 1:90 Ja '63.

KURILE ISLANDS—ROCKS, IGNEOUS—MAGNETIC PROPERTIES

Magnetic susceptibility of igneous rocks on Kamchatka and the Kurile Islands. E. K. Markhinin, V. B. Pugach. Blul. Vulk. sta. no. 33:44-46 '62.

KUROBE VALLEY, JAPAN—ROCKS—TESTING

Study of the characteristics of the rock of the foundation of an arch dam [from "Geologie und Bauwesen," no. 1, 1960]. S. S. Obrezkov. Gidr. stroit. 33 no. 12:44-47 D '62.

KURSANOV, ANDREI L'VOVICH, 1902-

Academician A. L. Kursanov; on his 60th birthday. Vest. AN SSSR 33 no. 1:108 Ja '63.

KURSK—COMMUNITY CENTERS

There are many clubs and theaters in the business center of Kursk, but we don't have them in the suburbs. D. Ershov. Sov. deput. trud. no. 8:73-74 S '62.

KURSK—LEATHER INDUSTRY

Improving the quality of the processing of pig skins. V. F. Kanashov. Kozh.-obuv. prom. 4 no. 12:26-27 D '62.

KURSK—LIBRARIES

"There are many theaters and libraries in the center of Kursk, but we don't have them in the suburbs." Sov. deput. trud. no. 1:86 Ja '63.

KURSK—PLANTS, PROTECTION OF

Need of a station for protecting ornamental plantations. S. K. Tsugankov. Zashch. rast. ot vred. i bol. 5 no. 11:12-13 N '60.

KURSK MAGNETIC ANOMALY—MINE DRAINAGE

Expediency of using horizontal drainage holes in pits of the Kursk Magnetic Anomaly. A. V. Artem'ev and others. Gor. zhur. no. 5:16-19 My '62.

KURSK MAGNETIC ANOMALY—QUARTZ

Hypogene nonuniform lixiviation of quartz in iron-bearing quartzites of the Kursk Magnetic Anomaly. A. S. Egorov. Dokl. AN SSSR 147 no. 4:920-923 D '62.

KURSK MAGNETIC ANOMALY—SNOW

Magnetic ore deposits and snow cover. N. I. Orlov. Priroda 52 no. 1:114 '63.

KURSK PROVINCE—CORN (MAIZE)—DISEASES AND PESTS

The striped grain flea beetle on corn in Kursk Province. Z. I. Agafonova. Zashch. rast. ot vred. i bol. 5 no. 5:53 Je '60.

KURSK PROVINCE—FLEA BEETLES—EXTERMINATION

The striped grain flea beetle on corn in Kursk Province. Z. I. Agafonova. Zashch. rast. ot vred. i bol. 5 no. 5:53 Je '60.

KURSK PROVINCE—INSURANCE, SOCIAL

There are no limits to good work. I. Sviridov. Sots. obesp. 24 no. 1:11-12 Ja '63.

KUSTANAY—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Party control has become effective. A. Strashnikov. Nar. khoz. Kazakh. 20 no. 10:22-24 O '62.

KUSTANAY—INDUSTRIAL MANAGEMENT—CONGRESSES

Party control has become effective. A. Strashnikov. Nar. khoz. Kazakh. 20 no. 10:22-24 O '62.

KUSTANAY PROVINCE—AGRICULTURAL WORKERS

Endurance test. A. Molinovskii, E. Poribg. Mol. komm. no. 12:88-92 D '62.

KUSTANAY PROVINCE—BULLDOZERS

Use of D-385 bulldozers in the Sarbay open-pit mine. F. K. Grossov, E. F. Grossov. Gor. zhur. no. 1:62-64 Ja '63.

KUSTANAY PROVINCE—GRAIN—DISEASES AND PESTS

Some conditions for large-scale multiplication of the gray grain moth. G. T. Shuvalov. Zashch. rast. ot vred. i bol. 5 no. 3:42-43 Mr '60.

KUSTANAY PROVINCE—IRON MINES AND MINING

Practical help to production. V. Tananykin, G. Silant'ev. NTO 4 no. 9:19-20 S '62.

KUSTANAY PROVINCE—MOTHS

Some conditions for large-scale multiplication of the gray grain moth. G. T. Shuvalov. Zashch. rast. ot vred. i bol. 5 no. 3:42-43 Mr '60.

KUSTANAY PROVINCE—THRIPS—EXTERMINATION

Harmfulness of wheat thrips. V. I. Tanskii. Zashch. rast. ot vred. i bol. 5 no. 7:23-25 Ji '60.

KUSTANAY PROVINCE—WHEAT—DISEASES AND PESTS

Harmfulness of wheat thrips. V. I. Tanskii. Zashch. rast. ot vred. i bol. 5 no. 7:23-25 Ji '60.

KUTIAKOV, IVAN SEMENOVICH, 1897-1937

Komarov, K. V., and IA. V. Pantelev. [Famous commander of the Chapayev Division] Slavnyi nachdiv Chapayevskoi. [Moskva, Gospolitizdat, 1932]. 70 p. (Gerol i podvig) (Cst-H)

KUYBYSHEV—AMORTIZATION

New amortization norms and industrial economics. P. Filippov. Vest. stat. no. 12:17-25 '62.

KUYBYSHEV—CLOTHING INDUSTRY

Give the green light to the trade in semifinished clothing articles. V. Berezin, P. Eiderman. Sov. torg. 36 no. 12:32-33 D '62.

KUYBYSHEV—JUSTICE, ADMINISTRATION OF

Let us tell you about our work. A. Gogin. Sov. iust. no. 24:26 D '62.

KUYBYSHEV—PINE

Transplantation of pine. P. K. Iakovlev. Blul. Glav. bot. sada no. 47:86-88 '62.

KUYBYSHEV—VEGETABLE TRADE

Are there not too many procurement agents? N. Sirogov. Sov. torg. 36 no. 12:47 D '62.

KUYBYSHEV HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (Lenin)

KUYBYSHEV PROVINCE—ACCOUNTING

In the Methodological Council of the Kuybyshev Economic Council. Bukh. uch. 19 no. 12:71-72 D '62.

KUYBYSHEV PROVINCE—ALGAE

Key to the determination of multicell algae of Kuybyshev Province. L. Levkov. Uch. zap. Kulb. gos. ped. inst. no. 37:43-50 '62.

KUYBYSHEV PROVINCE—EFFICIENCY, INDUSTRIAL
People should get better training. A. Leshenkov. Part. zhizn' no. 2:31-32 Ja '63.

KUYBYSHEV PROVINCE—GRAIN—DISEASES AND PESTS
Materials on grain pests of Kuybyshev Province. M. Gorelov. Uch. zap. Kuib. gos. ped. inst. no. 37:17-22 '62.

KUYBYSHEV PROVINCE—GRASSES
Gramineous plants in Kuybyshev Province. S. Simonova. Uch. zap. Kuib. gos. ped. inst. no. 37:33-37 '62.

KUYBYSHEV PROVINCE—HYBRID CORN
Developing hybrid corn for new regions [with summaries in English, German, and French]. V. I. Sazanov, V. K. Medvedev. Vest. sel'khoz. nauki 7 no. 10: 10-13 O '62.

KUYBYSHEV PROVINCE—INDUSTRIAL HYGIENE
Lawbreakers. A. Kononov. Okhr. truda i sots. strakh. 6 no. 1:28-29 Ja '63.

KUYBYSHEV PROVINCE—OIL RESERVOIR ENGINEERING
Significance of lithological factors and jointing in petroleum fluid flow. E. N. Ivanova. Trudy VNIGRI no. 180:131-143 '62.

KUYBYSHEV PROVINCE—RAILROADS—SNOW PROTECTION AND REMOVAL
Organization of snow protection on the Kuybyshev Railroad line. A. S. Andrianov. Zhel. dor. transp. 44 no. 12:51-53 D '62.

KUYBYSHEV PROVINCE—SHRUBS
Formation of steppe shrub stands in river valleys of the trans-Volga portion of Kuybyshev Province. T. Plaksina. Uch. zap. Kuib. gos. ped. inst. no. 37:38-42 '62.

KUYBYSHEV RESERVOIR REGION—KILNS
Pottery kiln in the Bulgarian settlement of Aga-Bazar. K. A. Smirnov. Mat. i issl. po arkheol. SSSR no. 111: 90-92 '62.

KUZNETSK BASIN—BRACHIOPODA, FOSSIL
Facies zonation of brachiopods in the Carboniferous seas of the Kuznetsk Basin. T. G. Sarycheva and others. Paleont. zhur. no. 4:58-60 '62.

KUZNETSK BASIN—COAL MINES AND MINING—JOB DESCRIPTIONS
Several suggestions for job descriptions in coal mines. A. Maslennikov. Sots. trud 7 no. 4:129-130 Ap '62.

KUZNETSK BASIN—IRON AND STEEL PLANTS
More metal for our country. I. U. Solov'ev. NTO 4 no. 12:20 D '62.

KUZNETSK BASIN—LAMELLIBRANCHIATA
Some pelecypods from the Ostrog series of the Kuznetsk Basin (in the area of the village of Yermaki). V. A. Muromtseva. Izv. vys. ucheb. zav. i gool. i razv. 5 no. 10:43-52 O '62.

KUZNETSK BASIN—MINE GASES
Study of the gas conditions in a slope when mining thick, steep coal seams in inclined layers with hydraulic filling. S. T. Ryklov. Nauch. soob. IGD 14:111-118 '62.

KUZNETSK DISTRICT (PENZA PROVINCE)—SERVICE INDUSTRIES
Was there a need for consolidation? L. Davydov. Most. prom. i khud. promys. 3 no. 11:17-19 N '62.

KYZYL—TRAFFIC REGULATIONS
A city block is a long distance for a disabled person. Sov. deput. trud. no. 9:80 Je '62.

KYZYL KUM
"Ancient Syr Darya Delta and the northern Kyzyl Kum." Vols. 1 and 2 by V. M. Borovskii and others. Reviewed by M. A. Glazovskaya. Vop. geog. no. 59:100-103 '62.

KYZYL KUM—BARLEY, FOSSIL
Archaeological excavations in the Kyzyl Kum. F. Kh. Bashtev. Obshchestv. nauki v Uz. 6 no. 11:65-66 '62.

KYZYL KUM—PETRIFIED FORESTS
Petrified wood. I. D. Kapustianskii, S. N. Nurtaev. Priroda 52 no. 1:24 '63.

KYZYL-ORDA PROVINCE—PASTURES AND MEADOWS
Economic effectiveness of pasture water supply in Kyzyl-Orda Province. I. N. Teplov, N. V. Kulemzina. Vest. sel'khoz. nauki [Kazakh.] 5 no. 11:84-89 O '62.

KYZYL-ORDA PROVINCE—WATER SUPPLY, RURAL
Economic effectiveness of pasture water supply in Kyzyl-Orda Province. I. N. Teplov, N. V. Kulemzina. Vest. sel'khoz. nauki [Kazakh.] 5 no. 11:84-89 O '62.

KYZYLTEPA DISTRICT—AGRICULTURAL WORKERS
Place in life. F. Fattakhov. Part. zhizn' [Uzb.] 5 no. 11:71-73 N '62.

LA FARGUE, PAUL, 1824-1911
From F. Engels' correspondence with S. P. La Fargue. Vop. ekon. no. 12:10-15 D '62.

LABOR (OBSTETRICS)
Effect of obstetric manipulations and surgical methods on fetal cardiac activity. L. S. Perslaninov, T. V. Chervakova. Vest. AMN SSSR 17 no. 11:31-36 '62.
Effect of pregnancy and labor on corticosteroid content in adrenal gland tissue and in the blood of rabbits [with summary in English]. V. P. Mikhedko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:237-243 '61.
State of the blood coagulation system in pregnancy and in labor. M. A. Repina. Vop. okh. mat. i det. 7 no. 9: 60-66 S '62.

LABOR AND LABORING CLASSES
(see also subdivision under Africa; Japan; Lithuania; United States)
From the editor's mail. Sots. trud 7 no. 4:130-138 Ap '62.

The Great October. Sots. obesp. 23 no. 11:1-4 N '62.
Morekhina, G. G. [Contribution of the working class to the front; the deeds of the laboring class of the U.S.S.R. during the years of the Great Patriotic War, 1941-1945] Rabochii klass - frontu; podvig rabochego klassa SSSR v gody Velikoi Otechestvennoi volny, 1941-1945. Moskva, Sotsekgiz, 1962. 479 p.
(CSL-II) (MI)

Obshchestvo po rasprostraneniui politicheskikh i nauchnykh znaniu RSFSR, Leningradskoe otdeleniye. [For communist labor] Za kommunistscheskii trud, Leningrad, 1962. 371 p.

On the problem of work intensity. A. P. Mudryi. Uch. zap. MGPI 164:85-100 '61.
Problems of the International Labor and National Liberation Movement. Vest. AN SSSR 33 no. 1:102-105 Ja '63.
Readers report. Sov. profsoyuzy 19 no. 1:20-21 Ja '63.
The struggle for democracy in the struggle for socialism [with summary in English]. S. P. Filichev. Vest. LGU 17 no. 20:5-17 '62.
Work the communist way! Komsem. zhizn' no. 18:2-3 S '62.

LABOR AND LABORING CLASSES—BIBLIOGRAPHY see Bibliography—Labor and laboring classes

LABOR AND LABORING CLASSES—DWELLINGS see subdivision under Moscow

LABOR AND LABORING CLASSES—MEDICAL CARE see subdivision under Ivanovo Province

LABOR AND LABORING CLASSES—SONGS AND MUSIC
[Songs of Russian workers; from the 18th to the beginning of the 20th century] Pesni russkikh rabochikh; XVIII-nachalo XX veka. Vstup. stat'ia, podgotovka teksta i primechania A. I. Nutrikhina. Moskva, Sovetskii pisatel', 1962. 297 p. (Biblioteka poeta. Bol'shaya seriya, 2 izd.)

LABOR CONTRACT
Contracts between workers and contractors as a source of Russian history. V. F. Borzunov. Ist. arkh. 8 no. 5:189-197 S-O '62.

LABOR COURTS
(see also subdivision under Azerbaijan; Dnepropetrovsk; Hungary; Kimura-Aldan; Lakhdenokhiya; Sevastopol; White Russia)
Before the trial and after it. V. Novikov. Sov. deput. trud. no. 9:52-56 S '62.

Councils of the chairmen of fellow workers' courts have begun their work. V. Golovanov. Sov. iust. no. 1:25-27 Ja '63.

LABOR DISCIPLINE
(see also subdivision under Nizhny Novgorod)
Always with the people. V. O'peltanskii. Part. zhizn' no. 4:54-58 F '63.

LABOR DISPUTES
(see also subdivision under Czechoslovakia; Germany, East; Poland)

Golovanov, E. A. [Examination of labor disputes] Rasstroenie trudovykh sporov. Perm', Permskoe knizhnoe izd-vo, 1958. 54 p. (Popul'naya knizhno-biblioteka)

To Moscow in search of the truth. V. Petrov. Sov. profsoyuzy 18 no. 24:25-28 D '62.

LABOR INSPECTION
"Very well, we shall fine them..." S. Gusev. Sov. profsoyuzy 18 no. 24:34 D '62.

LABOR JOURNALISM see Journalism, Labor

LABOR LAWS AND LEGISLATION
(see also subdivision under Africa, French West; United States)

Answering our readers' questions. Sov. iust. no. 1:27 Ja '63.
Brief interpretation. Sov. deput. trud. no. 1:95-96 Ja '63.

Brief interpretation. Sov. deput. trud. no. 6:101 Je '62.

For an uncompromised attitude of trade unions toward the violation of rights and material interests of workers. B. Vladimirovskii. Sots. zakon. 40 no. 1:30-32 Ja '63.

How an economic council tries to prevent the violation of Soviet laws. I. Falevich. Sov. iust. no. 21:20 N '62.

"Present-day labor laws of imperialist countries in the service of capitalist monopolies." Reviewed by I. A. Kiselev. Sov. gos. i pravo 33 no. 1:140-152 Ja '63.

Which expenses of the workers and employees transferred to other regions must be reimbursed? I. I. Iur-burgakii. Oiv. na vop. trud. no. 9:58-63 S '62.

LABOR PARTY (GREAT BRITAIN) see Great Britain—Labor Party

LABOR PASSPORTS

Answering our readers' questions. Sov. iust. no. 21:31 N '62.

Questions and answers. Sots. obesp. 23 no. 12:55-56 D '62.

LABOR PRODUCTIVITY

Methods for calculating the productivity of the national labor force. D. Karpukhin. Plan. khoz. 39 no. 12: 37-44 D '62.

Planning labor productivity. B. Novozhilov, Z. Korovin, L. Vainshtein. Plan. khoz. 40 no. 1:49-58 Ja '63.

Technological and economic substantiation of the plan according to the growth of labor productivity by basic factors. I. M. Usovich. Vnut. mashinost. 42 no. 12: 74-77 D '62.

What is labor productivity. A. Motylev. Sov. profsoyuzy 19 no. 1:11-12 Ja '63.

LABOR PRODUCTIVITY—CONGRESSES

Problems of increasing labor productivity during the large-scale building of communalism. Sots. trud 7 no. 4:149-151 Ap '62.

LABOR REST HOMES

(see also subdivision under Moscow Province)

In the Presidium of the All-Union Central Council of Trade Unions. Okhr. truda i sots. strakh. 6 no. 1: 44-46 Ja '63.

LABOR SUPPLY—CONGRESSES

Coordinating conference on the problem of "Labor resources of the U.S.S.R." L. Derzhakina, Zh. Tkachenkova, L. Shinkovskii. Biol. nauch. inform. i trud. i zar. platn 6 no. 4:34-38 '62.

Coordinating conference on the problems of labor resources in the U.S.S.R. Sots. trud 7 no. 4:151-153 Ap '62.

LABORATORIES—EQUIPMENT AND SUPPLIES

Laboratory ball mortar. I. A. G. Chugankov, P. I. Murty-nenko. Vest. sel'khoz. nauki 7 no. 11:140-141 N '62.

LABYRINTH (BAR)—INNERVATION

Method for recording the action potentials of neurons of the vestibular nuclei in adequate stimulation of vestibular receptors in cats. O. G. Golenko and others. Izv. AN SSSR, Ser. biol. no. 8:525-528 N-D '62.

LABYRINTHODONTIA

Way of functioning of the sound-conducting mechanism in labyrinthodonts. I. P. Tatarinov. Paleont. zhur. no. 4: 21-30 '62.

LACQUER AND LACQUERING

(see also subdivision under Fedoskino)

The UR-231 epoxy-urethane lacquer. V. V. Zhelezovskii. Lakokras. mat. i tekhn. no. 5:80 '62.

LACTONES

Unsaturated acids and macrocyclic lactones. Report No. 6: Tri- and tetraacetylene macrocyclic lactones and corresponding polyenes. L. D. Borzgov, I. I. G. Molotkovskii. Izv. AN SSSR, Otd. khim. nauk no. 1:105-112 '63.

LAGOS, NIGERIA—EXHIBITIONS

Gentlemen provocateurs. E. Korshunov. Az. i Afr. seg. no. 1:57-58 Ja '63.

LAKHEVO DISTRICT—DUCKS

A farm takes a running jump. M. Gludnikov. Komm. zhizn' no. 14:5-9 Ji '62.

LAKE MIGOUELOU, FRANCE—DAMS

Construction of a thin multiple-arch dam in the high mountains (from "La technique des traveaux," no. 3-4, 1961). R. I. Bobrov. Gidrotrof. 33 no. 12:42-44 D '62.

LAKES see subdivision under China; Latvia; Tonino-Anivsky Peninsula

LAKHDEPOKH'YA—LABOR COURTS

One of seven hundred. I. U. Andrei. no. 1:75-76 Ja '63.

LAMELLASIS see Gladiolus

LAMES see subdivision under Kazakhstan

LAMELLIBRANCHIATA see subdivision under Kuznetak Basin

LAMELLIBRANCHIATA, FOSSIL see subdivision under Tajik Depression; Volgograd Province

LAMINAR FLOW

Calculation of thermal diffusion in laminar flow of an incompressible viscous liquid at high Prandtl numbers. A. M. Supontskii. PMTF no. 2:126-128 Mr-Apr '62.
A pattern of laminar liquid flow in a channel having a trench at the bottom. A. B. Shabat. PMTF no. 4:66-60 Ji-Ag '62.
Unsteady heat exchange in a fluid with laminar flow. V. M. Malkin. Sbor. nauch. trud. VNIMT no. 8:106-118 '62.

LAMINATED MATERIALS—TESTING

Weather resistance of laminated building materials with a light filler. V. M. Shcherbakov. Plast. massy no. 12: 68-67 '62.

LAMINATED METALS—DEFECTS

Lamination during the rolling of bi-metal. I. M. Pavlov, V. N. Brinza. Sbor. inst. stali i splyv. no. 40:152-158 '62.

LAMINATED PLASTICS—WELDING

Bonding of laminated plastics by means of high frequency currents or ultrasonic waves. High frequency and ultrasonic welding of articles made of laminated plastics with the use of addition agents. E. B. Trostian'skaya, G. V. Komarov, V. A. Shishkin. Plast. massy no. 12:30-32 '62.

LAND—MAPS see subdivision under Great Britain

LAND TENURE

(see also subdivision under Iran; Latin America; Nizhny Novgorod Government; White Russia)
Characteristics of the bourgeois theory of agrarian law. I. A. Ikonitskaya. Sov. gos. i pravo 33 no. 1:131-133 Ja '63.
Kuznetsov, B. P. [Faithful defenders of the interests of peasant masses] Verno zashchitniki interesov krest'ianskikh mass. Moskva, Gospolitizdat, 1962. 75 p.

LANDFORMS

(see also subdivision under Anabar Valley; Angara Valley; Kaluga Province; Olanch Valley; Tajik Depression; Taz Peninsula; Ural Mountain region; Ural Mountains; Ust-Urt; Yakutia; Yarudoy Valley)
Amplitudes of the rhythm of natural phenomena in a landform. N. A. Solntsev. Vest. Mosk. un. Ser. 3: Geog. 17 no. 6:63-67 N-D '62.
First results of the research of the geochemistry of landforms. V. D. Vop. geog. no. 59:198-201 '62.
"Geochemistry of landforms" by A. I. Perep'lyanin. Reviewed by V. D. Vop. geog. no. 59:176-177 '62.

LANDFORMS—CLASSIFICATION see subdivision under Ural Mountains

LANDSCAPE ARCHITECTURE

Decorative plantings. I. Starostin. Stroi. i arkh. 10 no. 8:8 Ag '62.
Mal'ko, I. M. [Construction and care of gardens and parks] Sadovo-parkovoe stroitel'stvo i khoziaistvo. Izd. 3., 1. apr. i dop. Moskva, Izd-vo M-va kommun. khoz. RSFR, 1962. 108 p.

LANDSCAPE GARDENING see subdivision under Kara Kum Canal region; Karaganda Province; Krasnoarsk; Moscow Province

LANDSCAPE GARDENING—EQUIPMENT AND SUPPLIES
Akademiya kommunalnogo khoziaistva. [Machines and implements for establishing and maintaining greenbelts and parks; an album] Mashiny i orudia dlia zelenogo stroitel'stva i khoziaistva; al'bom. Moskva, 1962. 144 p.

LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

LANGUAGE AND LANGUAGES—CONGRESSES

International Linguistic Congress. B. A. Serebrennikov. Vest. AN SSSR 33 no. 1:98 Ja '63.

LANGUAGE AND LANGUAGES—STUDY AND TEACHING
Editor's mail. Doshk. vykh. 23 no. 11:46 N '62.

Klyueva, V. N. [Exercise book for the course "Introduction to linguistics." Zadachnik po kursu "Vvedenie v iazykoznanie." Moskva, Vysshaya shkola, 1962. 108 p.
Let's study foreign languages as a means of communication. I. P. Organova. Sred. spets. obr. 9 no. 11:46-49 N '62.

Organizing methodological work in the teaching of foreign languages. IU. I. Kovnenko. Rad. shk. 41 no. 12:67-68 D '62.

Work of a foreign language study group. N. S. Meshcheriakova, A. I. Gunchenko. Sred. spets. obr. 10 no. 1:35-38 Ja '63.

LANGUAGE AND LANGUAGES—TERMINOLOGY

Iurevich, A. L. [Dictionary of linguistic terms] Slovník lingvistických termínů. Minsk, Vyd-vo M-va vyshchshai, slaredniai spetsyial'nai i profesional'nai adukatsii BSSR, 1962. 245 p.

LANGUAGES—POLITICAL ASPECTS

Chaplenko, Vasyl. [Dolshevik language policy] Bil'shovytska movna polityka. Na prykladi Ukrainy. Munich, In-t dlia Vychenena SSSR, 1956. 74 p. (Ukr)

LANTHANUM MAGNESIUM NITRATE CRYSTALS

Dynamic polarization of protons in lanthanum magnesium nitrate. V. I. Lushchikov, A. A. Manenkov, IU. V. Taran. Fiz. tver. tela 5 no. 1:233-236 Ja '63.

LAO-TZU

"Collected articles on the philosophy of Lao-tzu" [in Chinese]. Review by V. A. Rubin. Sov. kit. lit. po obshchestv. naukam no. 40:82-99 '62.

LAOS—POLITICS AND GOVERNMENT

For an independent and neutral Laos. Neo Lao Khak Sat. Mol. mira no. 11/12:17-19, 28 '61.
Laos; neutrality must be acknowledged, not guaranteed; an interview with Prince Souvanna Phouma. Longin Zareba. Vses. stud. nov. 16 no. 4:6-9 Ap '62.
My encounter with General Kong-Le. Longin Zareba. Vses. stud. nov. 16 no. 5:6-4 My-Je '62.

LAOS—POSTAGE STAMPS

The country of a million elephants. V. Sergin. Az. i Afr. seg. no. 1:64 Ja '63.

LAPTA (GAME)

Daring Russian game. V. Ivanov. Sov. vojn 45 no. 2: 43 Ja '63.

LARCENY see subdivision under Puchozh District

LARCH

(see also subdivision under Trans-Ala-Tau)
"Larch." Reviewed by G. V. Krylov, M. I. Kulikov. Les. prom. 40 no. 11:31 N '62.
Time of the formation of generative buds in the dahurian larch (Larix dahurica Turcz.) and Yeddo spruce (Picea jezoensis [D. et Z.] Carr.). O. B. Mikhalevskaya. Bot. zhur. 47 no. 11:1659-1661 N '62.

LARVAE—INSECTS

Larvae of the European species of syrphid flies of the genus Temnostoma (Diptera, Syrphidae) [with summary in English]. N. P. Krivosheina, B. M. Mamayev. Ent. oboz. 41 no. 4:221-230 '62.

LATEX

Basic trends in the utilization of latex in foreign countries. G. M. Farberova, A. D. Shakh. Kauch. i rez. 21 no. 12:36-42 D '62.
Use of natural latex for the gluing of fabrics. M. S. Monastyrskaya, S. A. Pavlov, T. N. Tropanova. Kozh. -obuv. prom. 4 no. 12:17-18 D '62.

LATEX—TESTING

Changes occurring in the structural and mechanical properties of rubber latexes during gelatination with sodium fluosulfate. D. M. Sandomirskii, I. D. Pimen'shteyn. Kauch. i rez. 21 no. 12:6-11 D '62.

LATGALE—LAKES

Hydrochemical studies of the lakes of the Latvian S. S. R. in connection with their typology. Report No. 3: Hydrochemical characteristics of deep lakes of the Latgale Upland. F. Per. Izv. AN Latv. SSR no. 8:87-93 '62.

LATGALE—WATER—COMPOSITION

Hydrochemical studies of the lakes of the Latvian S. S. R. in connection with their typology. Report No. 3: Hydrochemical characteristics of deep lakes of the Latgale Upland. F. Per. Izv. AN Latv. SSR no. 8:87-93 '62.

LATHES

Brustein, B. E., and V. I. Dement'ev. [Fundamentals of machining on lathes] Osnovy tochnogo dela. Izd. 4., dop. Moskva, Proftekhizdat, 1962. 325 p.

Copying lath. E. I. Kashtanov. Masl. -zhir. prom. 28 no. 12:31 D '62.

Improving the feed mechanism of a semiautomatic lathe. L. A. Krivosheina, M. N. Antonov. Mashinostroitel' no. 12:17 D '62.

The IF816 semiautomatic chuck lathe. V. A. Kukarin. Bial. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:38-40 '62.

Using a set of universal cams for lateral carriages of automatic turret lathes. D. L. Litoshenko. Stan. i instr. 33 no. 12:33-34 D '62.

LATHES—ATTACHMENTS

Attachment for machining form surfaces. V. P. Kiselev. Mashinostroitel' no. 12:23 D '62.
Using indexing devices in machining on lathes. A. M. Gal'perin. Mashinostroitel' no. 12:21 D '62.

LATHES—MAINTENANCE AND REPAIR

Calculating optimum multicut setting-up by means of electronic computers. A. M. Gil'man, V. M. Antonova, A. M. Preobrazhenskaya. Avt. prom. 28 no. 11:1-4 N '62.

LATIN AMERICA—AGRICULTURE

Forms and methods employed by U.S. monopolies in dominating Latin American agriculture. O. Lytyynen-ko. Ekon. Rad. Ukr. no. 6:112-118 N-D '62.

LATIN AMERICA—ECONOMIC CONDITIONS

The prospect for Latin America. A. Efimov. Nov. vrem. 20 no. 4:9-10 Ja '63.

LATIN AMERICA—EDUCATION

A turning point in the Latin-American system of education. G. Leyens. Vses. stud. nov. 16 no. 1:6-7 Ja '62.

LATIN AMERICA—FOREIGN ECONOMIC RELATIONS—UNITED STATES
A "drifting" continent (to be continued). IU. Gvozdev. Nov. vrem. 20 no. 7:11-13 F '63.

LATIN AMERICA—FOREIGN RELATIONS—UNITED STATES
Alliance with tyrants. Edwin Lewin. Mezhdunar. zhizn' 10 no. 2:126-133 F '63.

LATIN AMERICA—INVESTMENTS, AMERICAN

Forms and methods employed by U.S. monopolies in dominating Latin American agriculture. O. Lytyynen-ko. Ekon. Rad. Ukr. no. 6:112-118 N-D '62.

LATIN AMERICA—LAND TENURE

Latin America: crisis of the landowning oligarchy. IU. Efimov. Mezhdunar. zhizn' 10 no. 2:52-61 F '63.

LATIN AMERICA—POLITICS AND GOVERNMENT

A "drifting" continent (to be continued). IU. Gvozdev. Nov. vrem. 20 no. 7:11-13 F '63.
The struggle intensifies. Vses. stud. nov. 16 no. 5/6: 3 My-Je '62.
A terrorist plan for a whole continent. German Leyens. Vses. stud. nov. 16 no. 5/6:1-2 My-Je '62.

LATIN AMERICA—STUDENTS

The struggle intensifies. Vses. stud. nov. 16 no. 5/6: 3 My-Je '62.
A terrorist plan for a whole continent. German Leyens. Vses. stud. nov. 16 no. 5/6:1-2 My-Je '62.

LATIN LANGUAGE, VULGAR—GRAMMAR

Shengellia, I. G. [Spoken Vulgar Latin] Narodno-razgovornai latyn'. Tbilisi, Gos. izd-vo uchelno-pedagog. lit-ry "TSodna," 1962. 105 p.

LATITUDE see subdivision under Kitab

LATTER RAIN MOVEMENT see Pentecostal churches

LATTICE THEORY

Graphic method of solution of the basic inequalities of Harker-Casper. M. A. Porai-Koshits. Vest. Mosk. un. Ser. 2:Khim. 18 [i.e. 17]. no. 6:32-35 N-D '62.
Statistical theory as applied to a finite ionic crystal. Part 2: Calculating the surface energy of the face (100) of a crystal having a NaCl type lattice (neglecting surface distortions). A. A. Medvedevskii. Izv. vys. ucheb. zav. i fiz. no. 6:157-162 '62.

LATVIA—AGRICULTURAL IMPLEMENTS

"Agriculture and agricultural implements in Latvia during the deterioration of the feudal system" by I. Leina-sare. Reviewed by M. Stepermanis [in Latvian]. Izv. AN Latv. SSR no. 10:143-148 '62.

LATVIA—ALFALFA

Dynamics of vitamin C in Tien Shan alfalfa in the Latvian S. S. R. [in Latvian with summary in Russian]. S. Kristkalne. Izv. AN Latv. SSR no. 8:95-100 '62.

LATVIA—ANTIQUITIES

Building in Latvia in the first millennium B. C. and the beginning of our era; based on archaeological data [in Latvian with summaries in German and Russian]. J. Graudonis. Izv. AN Latv. SSR no. 4:3-20 '61.

LATVIA—BIBLIOGRAPHY

Publications of the Institutes of the Department of Social Sciences of the Academy of Sciences of the Latvian S. S. R. [in Latvian and Russian]. E. Pelt. Izv. AN Latv. SSR no. 8:149-151 '62.

LATVIA—CHEMICAL INDUSTRIES

Automation in enterprises of the chemical industry of the Latvian Economic Council. D. I. Dekhtiar, V. P. Rogachev. Mekh. i avtom. p'riziv. 16 no. 12:9-11 D '62.

LATVIA—COLLECTIVE FARMS—ACCOUNTING

Methods of determining differential land rent on collective farms of the Latvian S. S. R. L. Lidsma. Izv. AN Latv. SSR no. 10:45-54 '62.

LATVIA—COLLECTIVE FARMS—INTERFARM COOPERATION

Sales, Valters. [Legal status of interfarm organizations in the Latvian S.S.R.] Starpkoļhozu organizāciju tiesiskais stāvoklis Latvijas PSR. Rīga, Latvijas PSR Zinatnu akad. izdevniecība, 1961. 122 p. [In Latvian]

LATVIA—COLLECTIVE FARMS—LAWS AND LEGISLATION

Sales, Valters. [Legal status of interfarm organizations in the Latvian S.S.R.] Starpkoļhozu organizāciju tiesiskais stāvoklis Latvijas PSR. Rīga, Latvijas PSR Zinatnu akad. izdevniecība, 1961. 122 p. [In Latvian]

LATVIA—CORN (MAIZE)

Some observations in growing corn mixed with other crops [In Latvian]. E. Elhe, A. Belikova. Izv. AN Latv. SSR no. 4:109-110 '61.

LATVIA—CRIME PREVENTION—CONGRESSES

Scientific conference in Rēzekne. 1. Kiliuchinskala. Izv. AN Latv. SSR no. 4:172-174 '61.

LATVIA—DRAINAGE

Changes in the stand structure of pine forests under the effect of drainage [with summary in German]. A. Kalnins. Izv. AN Latv. SSR no. 8:113-116 '62.

LATVIA—ECONOMIC CONDITIONS

Conference on the history of national economy in Latvia. A. Bironis. Izv. AN Latv. SSR no. 10:137-139 '62. In the close-knit family of Soviet peoples. Nauka i zhytija 12 no. 7:24-26 JI '62. Latvia is developing. V. Vol's'kiy. Nauka i zhytija 12 no. 7:34-36 JI '62.

LATVIA—EDUCATION, COOPERATIVE

Ansaka, J., and P. Zello. [Students learn to work by working] Studenti darba un darbim. Rīga, Latvijas Valsts izdevniecība, 1962. 60 p. [In Latvian]

LATVIA—FIRE ALARMS

Fire alarm signal. I. A. Simkin. Pozh. delo 0 no. 1: 27-28 Ja '63.

LATVIA—FIRES AND FIRE PREVENTION

In the rural areas of Latvia. T. Ignatenko. Pozh. delo 8 no. 12:30 D '62.

LATVIA—FOREIGN RELATIONS—GREAT BRITAIN

Struggle of England to induce the participation of bourgeois Latvia in the united imperialistic anti-Soviet front (1920-1923) [in Latvian]. A. Varslavans. Izv. AN Latv. SSR no. 8:13-23 '62.

LATVIA—FOREST MANAGEMENT

Gradual cutting in Latvia. A. Zviedris. Les. khoz. 15 no. 11:7-11 N '62.

LATVIA—FORESTS AND FORESTRY—PERIODICALS

"Forestry and forest industries," no. 1, 1962. Reviewed by V. Muzhukin. Les. prom. 40 no. 12:32 D '62.

LATVIA—GYPSUM PRODUCTS

Development of the production of gypsum products in the Latvian S.S.R. R. Valvods. Izv. AN Latv. SSR no. 10: 55-63 '62.

LATVIA—HISTORY

The Patriotic War of 1912 in the history of the Latvian nation; in memory of the 50th anniversary of the Patriotic War of 1912 [in Latvian]. T. Zelds. Izv. AN Latv. SSR no. 10:11-18 '62.

LATVIA—INDUSTRIAL MANAGEMENT—CONGRESSES

Conference of Latvian economists. Plan. khoz. 39 no. 12:62-65 D '62.

LATVIA—INDUSTRIAL ORGANIZATION

New methods in the administration of local industry. V. Jakshevich. Sov. deput. trud. no. 9:20-31 S '62.

LATVIA—JUVENILE DELINQUENCY

Increasing the role of the Soviet public in the prevention of juvenile delinquency. L. Kiliuchinskala, E. Stumbina. Izv. AN Latv. SSR no. 10:33-43 '62.

LATVIA—METAL INDUSTRIES

Establishing norms for stocks of metal products. V. Shul'man. Plan. khoz. 40 no. 1:39-40 Ja '63.

LATVIA—MITES AS CARRIERS OF DISEASE

Gamasid mite *Laelaps agilis* Koch (Acarina, Parasitiformes) as a potential epidemiologic factor in the Latvian S.S.R. [with summary in English]. A. Grinbergs. Izv. AN Latv. SSR no. 4:110-124 '61.

LATVIA—PINE

Changes in the stand structure of pine forests under the effect of drainage [with summary in German]. A. Kalnins. Izv. AN Latv. SSR no. 8:113-116 '62.

LATVIA—PLANT INTRODUCTION

Pollen quality of exotic tree species in the Latvian S.S.R. A. Maurins. Izv. AN Latv. SSR no. 8:120-133 '62.

LATVIA—RENT (ECONOMIC THEORY)

Methods of determining differential land rent on collective farms of the Latvian S.S.R. L. Lidums. Izv. AN Latv. SSR no. 10:45-54 '62.

LATVIA—RESEARCH

Contribution of Latvian scientists to national economy. M. Ramana. Nauka i zhytija 12 no. 7:4-5 JI '62. For a rapid development of science in Soviet Latvia; the leaders of the Central Committee of the Latvian Communist Party and the Council of Ministers of the Latvian S.S.R. have met with the scientists and scholars of the Latvian Republic. Izv. AN Latv. SSR no. 4:161-165 '61.

LATVIA—SOCIALIST PARTY

From the history of the struggle of the Latvian Communist Party against the philosophical revisionism of the Latvian social democrats in 1920-1934. V. Rutmans. Izv. AN Latv. SSR no. 8:4-12 '62.

LATVIA—SOVIETS

Governmental and social characteristics of local soviets [in Latvian]. I. Birzina. Izv. AN Latv. SSR no. 8:25-31 '62.

LATVIA—TREE RINGS

Characteristics of the fluctuation of the width of annual growth rings of wood species in the Latvian S.S.R. [with summary in German]. A. Zviedris, J. Matuzanis. Izv. AN Latv. SSR no. 8:117-128 '62.

LATVIAN ART see Art, Latvian

LATVIAN LANGUAGE—DIALECTS see subdivision under Akniste region

LATVIAN POETRY—HISTORY AND CRITICISM

Horizons of poetry. Vaidis Luks. V mire knig 2 no. 11: 38-39 N '62.

LATVIANS

Ethnic history of the ancient Sels [with summary in English]. K. J. Antsitis, A. J. Janson. Sov. etn. no. 6:92-104 N-1 '62.

LAUNCHES

Design of a pleasure launch. V. S. Dzizevich, V. N. Alad'in. Sudostroenie 28 no. 10:35 O '62.

LAUREL see subdivision under Lenkoran Lowland

LAUREL—DISEASES AND PESTS

Gray leaf spot of laurel and its control [with summary in English]. V. G. Mkervall. Subtrop. kult. no. 1: 76-85 '62.

LAW

(see also subdivision under Armenia; Bulgaria) **Aleksandrov, N. G., and A. G. Pervushin, eds.** [Basic principles of Soviet law] Osnovy sovetskogo prava. Moskva, Gosurizdat, 1962. 435 p. **Dmitriyev, V. A.** [Guarding revolutionary legality] Na strazhe revoliutsionnoi zakonnosti. Moskva, Gosurizdat, 1962. 50 p. (CSI-H)

New legislative enactments. Sots. zakon. 40 no. 1:77-78 Ja '63.

The role of law in the communist education of workers. Sov. iust. no. 21:1-3 N '62.

Significance of the decisions of the 22d Congress of the CPSU for the development of Soviet jurisprudence. E. A. Prishchikov. Sov. gos. i pravo 33 no. 2:135-138 F '63.

LAW—BIBLIOGRAPHY see Bibliography—Law

LAW—CASES

[Bulletin of the Supreme Court of the R. S. F. S. R.] Bül. Verkh. Suda RSFSR no. 11 '62; no. 1 '63.

How the public prosecutors of the U.S.S.R. supervise the observance of laws. Sots. zakon. 39 no. 12:66-67 D '62.

How the public prosecutors of the U.S.S.R. supervise the observance of laws. Sots. zakon. 40 no. 1:79-84 Ja '63.

LAW—HANDBOOKS, MANUALS, ETC.

Karev, D. S., ed. [Legal manual for the deputies of local soviets] Iuridicheskii spravochnik deputata mestnogo Soveta. Izd. 2. [Moskva] Izd-vo Mosk. univ., 1962. 511 p.

LAW—PERIODICALS

Conferences of our readers in Sukhumi, Orel, Cherkassy, and Kazan. Sots. zakon. 39 no. 12:62-64 D '62.

Our New Year's interviews. Sov. iust. no. 1:16-17 Ja '63.

Our periodical and its readers. T. Agaplova, L. Litovchenko, N. Smagina. Sov. gos. i pravo 33 no. 2:138-139 F '63.

Our readers have discussed the work of this periodical. Sots. zakon. 39 no. 12:79-81 D '62.

"Uchenye zapiski" of the All-Union Institute of Legal Science, no. 11, 1960 and no. 12, 1961. Reviewed by D. A. Kerimov and others. Izv. vys. ucheb. zav. prav. 6 no. 4:151-158 '62.

LAW—PHILOSOPHY

Effective influence of socialist law upon social relations. M. P. Lebedev. Sov. gos. i pravo 33 no. 1:22-31 Ja '63.

Legal norms and other social rules during the large-scale building of socialism. S. I. Vindianskii. Izv. vys. ucheb. zav. prav. 6 no. 4:14-27 '62.

Necessity and freedom in the observance of laws. Ania M. Nagli. Izv. vys. ucheb. zav. prav. 6 no. 4:28-35 '62.

LAW—STUDY AND TEACHING

(see also subdivision under Bulgaria)

Intensify the propagation of the knowledge of laws. I. Sternik. Part. zhizn' [Uzb.] 5 no. 11:47-50 N '62.

Let us disseminate legal knowledge among the people. E. Lukashova. Kommunist 39 no. 3:54-59 F '63.

LAW—TEXTBOOKS

A discussion of S. V. Ushkov's textbook on the "History of the state and law of the U.S.S.R." N. K. Sov. gos. i pravo 33 no. 2:146-149 F '63.

LAW, ANCIENT

"History of the slaveholding state and law" by Z. M. Chernikovskii. Reviewed by E. A. Skripilev. Izv. vys. ucheb. zav. prav. 6 no. 4:170-173 '62.

LAW AND ETHICS

Interrelation of law and ethics in the period of the building of socialism. N. M. Keizerov. Izv. vys. ucheb. zav. prav. 6 no. 4:3-13 '62.

LAW SCHOOLS see subdivision under Hungary

LAYING-OUT (MACHINE-SHOP PRACTICE)

Deshovoi, G. M., B. Ia. Miroshnichenko, S. V. Lastochkin. [Manual for a lay-out mechanic] Spravochnik razmetchika-mashinostroitel'sta. Moskva, Mashgiz, 1962. 376 p.

LCHASHEN—POTTERY, PRIMITIVE

The Lchashen mound No. 6. E. V. Khanzadian. Krat. soob. Inst. arkheol. no. 91:66-71 '62.

LE CORBUSIER, pseud. see Jeanneret-Gris, Charles Edouard, 1887-

LEACHING

Prediction of the duration of gypsum leaching from soils at the foundations of dams and curtains. M. N. Terletskaya. Trudy Gruz NIIGIM no. 21:99-108 '60.

LEAD ACETATES

Formation of phenoxyl radicals during the oxidation of phenols by lead tetraacetate. G. N. Bogdanov, M. S. Postnikova, N. M. Emanuel'. Izv. AN SSSR, Otd. khim. nauk no. 1:173-175 '63.

LEAD-INDIUM ALLOYS see Indium-lead alloys

LEAD ORES see subdivision under Caucasus, Northern

LEAD PLATING

Tartrate electrolytes for obtaining lead and indium platings. IU. V. Zaitsev, P. S. Titov. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:582-583 '62. Thermocementation method of coating aluminum with lead alloys containing a small amount of silver. O. A. Khan. TSvet. met. 35 no. 9:41-43 S '62.

LEAD SELENIDE CRYSTALS—ELECTRIC PROPERTIES

Change in the width of the forbidden zone in PbSe under pressure. A. A. Averkis, I. G. Dombrovskaya, B. Ia. Molzhes. Fiz. tver. tela 5 no. 1:96-99 Ja '63.

LEAD SULFIDE—OPTICAL PROPERTIES

Effect of a gaseous medium on the conductance, mobility, and concentration of current carriers in lead sulfide photoresistances. I. A. Berezinskii, Zhur. fiz. khim. 36 no. 12:2763-2765 D '62.

LEAD-THALLIUM ALLOYS—ELECTROMETALLURGY

Studying the polarization of electrodes during the electrolytic forming of Pb-Tl alloys. V. T. Pustovit, M. N. Gratsianskii. Met. i gornorud. prom. no. 6:70-72 S-O '62.

LEAD-TIN-INDIUM ALLOYS see Indium-lead-tin alloys

LEAF BEETLES see subdivision under Kazakhstan

LEAF BEETLES—EXTERMINATION see subdivision under Leningrad Province

LEAF BUGS—EXTERMINATION

The cucumber leaf bug *Halticus saltator* Geoffr. in greenhouses. L. V. Puchkova. Zashch. rast. ot vred. i bol. 5 no. 11:57 N '60.

LEAF MINERS—EXTERMINATION see subdivision under Rostov Province

LEAF ROLLERS
(see also subdivision under Leningrad Province)
The hawthorn leaf roller *Cacoecia crataegae* Hb. In forests, I. V. Tropin. Zashch. rast. ot vred. i bol. 5 no. 7:54 JI '80.

LEAF RUST OF WHEAT
Strains of the leaf rust of wheat occurring in the country. V. V. Shopina. Zashch. rast. ot vred. i bol. 5 no. 11: 34-36 N '62.

LEAF SPOTS see subdivision under Ukraine

LEAFHOPPERS see subdivision under Moldavia

LEATHER
Increasing the wear resistance of leather for shoe uppers. P. I. Levenko, I. G. Shifrin. Kozh.-obuv. prom. 4 no. 12:13-16 D '62.
Manufacture of water resistant chrome leather for shoe uppers. R. I. A. Afanas'ev, L. N. Korotkova, I. A. A. Vendrov. Kozh.-obuv. prom. 4 no. 12:26-29 D '62.

LEATHER, ARTIFICIAL—TESTING
Technical and economic characteristics of the various types of artificial leather for boots. P. S. Pushkin, V. F. Tikhomirova, O. S. Shepkina. Kozh.-obuv. prom. 4 no. 12:8-9 D '62.

LEATHER INDUSTRY
(see also subdivision under Kirghizistan; Krasnodar; Moscow)
Improve the organization of raw leather processing and supply. T. I. Fashina. Kozh.-obuv. prom. 4 no. 12: 4-7 D '62.

LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES
Modernization of the worm apparatus for peacemeal unloading of stiff leather. S. A. Azarov and others. Kozh.-obuv. prom. 4 no. 12:10-12 D '62.

LEAVES—ANATOMY
Structure of the leaves of sectorial chimerical shoots in poplars. A. E. Vasil'ev. Bot. zhur. 47 no. 11:1661-1668 N '62.

LEAVES—MORPHOLOGY
Effect of cultivation conditions on the formation of the structure of tomato leaves. I. Z. Vasil'eva. Trudy po prikl. bot., gen. i sel. 31 no. 2:134-144 '57.

LEAVES—OPTICAL PROPERTIES
Daily rhythm of the optical properties of plant leaves. D. V. Ustinova. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:189-195 '62.

LEBEDEV, SERGEI ALEKSEEVICH, 1902-
Celebration of the anniversary of Academician S. A. Lebedev. Vest. AN SSSR 33 no. 1:107-108 Ja '63.

LECITHIN
Experimental clinical study of the combined use of methyltestosterone, bromural and lecithin in vasomotor disturbances induced by castration and secretory insufficiency of the male sex glands [with summary in English]. B. A. Vartapetov, A. I. Gladkova, L. M. Shifman. Trudy Ukr. nauch.-issl. inst. ekapor. endok. 16:272-283 '61.

LEFEBRE, HENRI, 1901-
Henri Lefebvre and his concept of "alienation" [with summary in English, pp. 163-184]. I. N. Davydov. Vop. filos. 17 no. 1:90-101 '63.

LEGAL RESEARCH
(see also subdivision under Soviet Far East; Voronezh)
Our New Year's interviews. Sov. iust. no. 1:16-17 Ja '63.

LEGAL RESEARCH—INTERNATIONAL COOPERATION
International contacts of the departments of law of Moscow, Kiev, and Leningrad Universities. Izv. vys. ucheb. zav. prav. 8 no. 4:186-189 '62.

LEGISLATIVE BODIES
Sidel'nikov, S. M. [Establishment and work of the First Duma] Obozreniye i delatel'nost' Pervoi Gosudarstvennoi Dumy. [Moskva] Izd-vo Mosk. univ., 1962. 380 p.

LEGISLATIVE BODIES—DIRECTORIES
[Deputies of the Sixth Supreme Soviet of the U.S.S.R.] Deputaty Verkhovnogo Soveta SSSR; shostoi sozyv. Moskva, Izd-vo "Izvestiya Sovetov deputatov trudnashchikh SSSR," 1962. 527 p.

LEGUMES
Effect of temperature on the assimilation of nutritive substances by leguminous plants. O. V. Tyulina. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:246-249 '62.
"Provisional recommendations on the receiving, disposing, and storing of pulse crop seeds (peas, forage beans, and lupine)." Reviewed by M. Golik. Muk.-elev. prom. 28 no. 10:32 and p. 3 of cover O '62.

Recent developments in storing the pollen of pulse crops [with summaries in English, German, and French]. S. I. Vengrenovskii, N. I. Dzhelali. Vest. sel'khoz. nauki 7 no. 10:103-109 O '62.

LEGUMES AS FEED
Effectiveness of fattening swine for meat on rations of corn combined with legumes. I. G. Brushinin. Nauch. trudy Polt. nauch.-issl. inst. svin. 22:36-43 '62.

LEGUMINOSAE
Effect of temperature on symbiotic nitrogen assimilation by leguminous plants [with summary in English]. M. M. Gukova. Izv. AN SSSR. Ser. biol. no. 6:832-839 N-D '62.

LEIPZIG—EXHIBITIONS
Types of equipment represented at the Leipzig Fair. A. P. Larin. Ogneupory 27 no. 12:574 '62.

LEIPZIG—LIBRARIES
In honor of the 50th anniversary of Deutsche Bucherei. Sov. bibl. no. 6:65-68 '62.

LEISURE
Tavrov, I. A. M. [Time for work and time for leisure] Vremia rabochego i vremia svobodnogo. Moskva, Gospolitizdat, 1961. 29 p. (Kommunizm i chelovek) (CSt-H) (MH)
Workers' leisure under socialism. V. Sakharova. Otv. na vop. trud. no. 4:12-18 Ap '62.

LEMON
Indoor cultivation of lemon. O. Malygina. Uch. zap. Kub. gos. ped. inst. no. 37:51-56 '62.

LENIN, VLADIMIR IL'ICH, 1870-1924
"Current objectives of the Soviet Government"; some chapters of the original version of V. I. Lenin's article. Komm. Mold. 7 no. 11:3-14 N '62.
"Current objectives of the Soviet Government"; some chapters of the original version of V. I. Lenin's article. Komm. Uz. 34 no. 10:3-16 O '62.

Gorbunov, T. S. [V. I. Lenin as the creator of the White Russian Soviet socialist state] V. I. Lenin - sozdatel' Bol'shakovskogo Sovetskogo sotsialisticheskogo gosudarstva. Minsk, 1962. 31 p. (Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy Belorusskoi SSR, no. 23)

How V. I. Lenin defended and sustained the proposed program for the newspaper "Iskra" before the Second Congress of the Russian Social Democratic Party. B. M. Shchorbanenko. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:16-28 '60.

If we stop a motion-picture film. A. Petrov. Znan. - sila 37 no. 11:6-7 N '62.
Kononov, A. T. [Stories about Lenin] Rasskazy o Lenine. [Moskva, Gos. izd-vo det'skoi lit-ry, 1960] 141 p.

Kurbatova, G. I. [V. I. Lenin's book "The state and the revolution." O knige V. I. Lenina "Gosudarstvo i revoliutsiya." Moskva, Gospolitizdat, 1962. 70 p. (Konsul'tatsii po istorii KPSS)
Lapin, M. N. [V. I. Lenin on the material and moral incentives of labor] V. I. Lenin o material'nykh i moral'nykh stimulakh k trudu. Moskva, Ekonomizdat, 1962. 203 p.

"Lenin on material and ethical incentives to work" by M. N. Lapin. Reviewed by A. Karagin. Kommunist 30 no. 2:118-121 Ja '63.

Lenin on youth. V mire knig 2 no. 12:1 D '62.
Lenin, V. I. [Complete works] Polnoe sobranie sochinenii. Izd. 8. Moskva, Gospolitizdat. Vol. 36. [March-July, 1918] Mart - Iul' 1918. 1962. 741 p.

Leninism is the banner of our struggle for the victory of communism. P. I. Solomatina, V. A. Ivanova. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:3-13 '60.

Leninist principles of the selection and placement of managerial personnel. I. T. Pinegin. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:89-102 '60.

Lenin's efforts to organize the Marxist party as a decisive factor in the establishment of a revolutionary alliance of Russian workers and peasants. F. I. Pomichev. Uch. zap. Orekh.-Zuev. ped. inst. 12:63-92 '68.

Mark on the seventh page. Roman Peresvetov. Nauka i zhizn' 29 no. 11:2-5 N '62.
Our museum dedicated to B'ich, S. Baev. Nar. obr. no. 1:68-69 Ja '63.

Problems of Lenin's phase in the development of philosophy. S. I. Popov. Vop. filos. 17 no. 1:158-161 '63.

Rare photograph. G. Kolpikov. Sov. voen 45 no. 2:8 Ja '63.

Safonov, V. V., comp. [We saw Lenin; reminiscences by old Bolsheviks] My videniya Lenina; vospominaniya starykh bol'shevikov. Stalino, Knizhnoe izd-vo, 1961. 91 p.

(MH)
V. I. Lenin as a reader in the Library of the Academy of Sciences of the U.S.S.R., 1894. V. A. Seleznev. Ist. arkh. 8 no. 5:210 S-O '62.

V. I. Lenin as the inspirer and leader of the Bolshevik party press, March-July, 1917. V. P. Budnikov. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:43-60 '60.

V. I. Lenin on aviation. Av. i kosm. 45 no. 1:8, 6, 11, 12, 13, 14, 17, 21, 23, 24, 26, 27, 29, 30 Ja '63.
"V. I. Lenin on education." Reviewed by B. Aleksandrov. Nar. obr. no. 1:101-103 Ja '63.

V. I. Lenin on the cultural transformation of the village. Z. A. Sagaidachnina. Dokl. TSKHA no. 75:311-322 '62.

V. I. Lenin's views on the defense of the socialist fatherland. A. A. Protopopov. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:73-87 '60.

LENIN, VLADIMIR IL'ICH, 1870-1924—BIBLIOGRAPHY
see Bibliography—Lenin, Vladimir Il'ich, 1870-1924

LENIN, VLADIMIR IL'ICH, 1870-1924—HOMES AND HAUNTS
In memory of V. I. Lenin. V. A. Artisevich. Sov. bibl. no. 6:73-75 '62.

LENIN, VLADIMIR IL'ICH, 1870-1924—MUSEUMS, RELICS, ETC.

Lenin's voice will sound for centuries. I. Ogloblin. Znan. - sila 37 no. 11:8-10 N '62.

Moscow. Tsentral'nyi muzej V. I. Lenina. Kievskii filial. [V. I. Lenin Museum, Kiev Branch] Muzej V. I. Lenina, Kyivskiy filial. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1961. 1 v. (chiefly illus.)

Search goes on. L. Vinogradov, Z. Fazin. Znan. - sila 37 no. 11:2-6 N '62.

LENIN IN LITERATURE AND ART

"Blue notebook" by Emanuel Kazakevich. Reviewed by N. Likhacheva. Sem'ia i shkola 17 no. 11:4-6 N '62.

Embodiment of a character; Shchukin in the image of Lenin. M. Romm. Vop. kinolek. no. 6:83-121 '62.

LENIN PRIZES

Amirov, A. D. [Offshore oil workers, winners of the Lenin Prize] Morskoe neflianki - laureaty Leninskoi premii. Baku, Ob-vo po rasprostraneniyu polit. i nauch. znaniy, 1962. 89 p.

Oiga Poblete, the International Lenin Peace Prize winner. Maria-Luisa Vincentini. Zhen. mira no. 10:15-17 '62.

LENINGRAD—AGRICULTURAL COLLEGES

At the oldest faculty. Zashch. rast. ot vred. i bol. 2 no. 6:60-61 N-D '67.

LENINGRAD—APARTMENT HOUSES

A communist attitude toward work is cultivated. V. Tatarinov. Na stroi. Ros. no. 12:35 D '61.

Experience with the construction and operation of apartment houses built according to the system of V. Lagutenko, engineer. I. Noginskii. Zhil. stroi. no. 2:24-26 '62.

On the road of industrial methods. I. I. Zavarukhin. Stroi. i arkh. Len. 25 no. 1:2-5 Ja '63.

LENINGRAD—APARTMENT HOUSES—MAINTENANCE AND REPAIR

Capital repair of apartment houses in Leningrad. G. M. Rabinovich. Gor. khoz. Mosk. 36 no. 7:33-40 JI '62.

LENINGRAD—ART GALLERIES AND MUSEUMS

Art museums in St. Petersburg and Moscow during the second half of the 19th century and the beginning of the 20th. S. A. Ovsiannikova. Trudy NIIM no. 7:7-42 '62.

Section devoted to objects of everyday life in the Russian Museum. A. B. Zaks. Trudy NIIM no. 7:240-265 '62.

LENINGRAD—AUDITING AND INSPECTION

Our militant aids. I. Brum. Vest. stat. no. 12:64-68 '62.

LENINGRAD—BALLET

Remarks on ballet. B. Khaikina. Sov. muz. 26 no. 12: 41-44 D '62.

LENINGRAD—CLOTHING INDUSTRY

Always with the people. V. Ol'shanakii. Part. zhizn' no. 4:54-58 F '63.

Labor and beauty. B. Baumshtein. Mest. prom. i khud. promys. 3 no. 11:4-5 N '62.

LENINGRAD—COMMUNIST PARTY OF THE SOVIET UNION

Leningrad. Institut istorii partii. [Essays on the history of the Leningrad Organization of the CPSU] Ocherki istorii Leningradskoi organizatsii KPSS. [Leningrad] Lenizdat.

Pt. 1. [1883 to October 1917] 1883-oktiabr' 1917 g.g. 1962. 607 p.

LENINGRAD—COMMUNITY AND SCHOOL

Working with patrons. O. A. Zlobina. Dozh. vosp. 35 no. 9:94 S '62.

LENINGRAD—COMMUNITY LIFE

The house we live in. A. Kirichenko, Zdorov'e 8 no. 12:26-27 D '62.

LENINGRAD—CONSTRUCTION INDUSTRY

Experience with payment for a finished house. V. A. Kochnev. *Stroi. i arkhitekt. Len.* 25 no. 1:29 Ja '63.
In the Executive Committee of the Leningrad City Soviet of Workers Deputies. *Stroi. i arkhitekt. Len.* 25 no. 1:3 of cover Ja '63.

New stage in large-panel construction in Leningrad. V. A. Kanenokii. *Stroi. i arkhitekt. Len.* 25 no. 1:6-12 Ja '63.

On the road of industrial methods. I. I. Zavarukhin. *Stroi. i arkhitekt. Len.* 25 no. 1:2-5 Ja '63.

LENINGRAD—DEPARTMENT STORES—ACCOUNTING

Utilizing the Ascot-Robotron-12 for the accounting of goods. Z. Drozdova, I. A. Sokolov. *Bukh. uch. i 19* no. 12:30-33 D '62.

LENINGRAD—DIPHTERIA

Izife, V. I. [Results of the control of diphtheria in Leningrad]. *Opyt bor'by s difteriei v Leningrade.* Leningrad, Medgiz, 1962. 191 p. (Biblioteka prakticheskogo vracha) (DNLM)

LENINGRAD—FACTORIES

Berlov, G. B., and S. Vasil'ev. [Sverdlov Machine-Tool Plant; an outline history of the Sverdlov Machine-Tool Plant in Leningrad, 1897-1961]. *Stankostroitel'nyi ineni Sverdlova; ocherk istorii Leningradskogo stankostroitel'nogo zavoda imeni Sverdlova, 1897-1961 gg.* [Leningrad] Lenzdat, 1962. 360 p. (Istorija fabrik i zavodov Leningrada) (MH)

LENINGRAD—FOOD—PACKAGING

Apply the assembly-line method for the packaging of goods. S. Ivanovskii. *Sov. tovg.* 36 no. 12:16-17 D '62.

LENINGRAD—GEOLOGICAL MUSEUMS

Iskul', N. V., and K. S. Tsyklyna. [Guidebook for the A. P. Karpinskii Geological Museum of the Academy of Sciences of the U. S. S. R.; history of the earth and life]. *Putevoditel' po Geologicheskomu muzeumu im. A. P. Karpinskogo AN SSSR; istorija Zemli i zhizni.* Moskva, Izd-vo Akad. nauk SSSR, 1962. 96 p.

LENINGRAD—INDUSTRIAL BUILDINGS

Practices of the Leningrad State Design and Planning Institute. P. Terekhov, N. Igoshin. *Arkhitekt. SSSR* no. 12:23-25 '62.

LENINGRAD—INFLUENZA

Substantiation of the diagnosis of influenza according to the records of district therapists; based on poly-clinic materials of the Leningrad Municipal Public Health Department. M. Z. Kozlova. *Zdrav. Ros. Feder.* 6 no. 12:11-12 D '62.

LENINGRAD—INSURANCE, SOCIAL

Lening's precepts are carried out. *Sots. obesp.* 23 no. 11:5-10 N '62.

LENINGRAD—JOURNALISTS

It's ages since we met! S. Shchetinin. *Sov. pech.* no. 1:40 Ja '63.

LENINGRAD—LIBRARIES AND READERS

How the Leningrad Textile Institute provides readers with foreign literature on science and technology. M. F. Sapozhnikova. *Opyt rab. bibliot. a inostr. lit.* no. 3:32-35 '60.

LENINGRAD—MACHINERY INDUSTRY

Fitting and repair shop foreman G. N. Nikitin. A. A. Ermolaev, E. I. Loshchagina. *Mashinostroitel'* no. 12:5 D '62.

"Very well, we shall fine them..." S. Gusev. *Sov. profsoyuzy* 18 no. 24:34 D '62.

LENINGRAD—NAMES, GEOGRAPHICAL

Gorbachevich, K. S., and E. P. Khablo. [Why do they have such names? On the origin of the oldest place names in Leningrad]. *Pochemu tak nazvany? O prois-khozhdenii starinykh nazvaniy v Leningrade.* [Leningrad] Lenzdat, 1962. 107 p.

LENINGRAD—OPERA

Rebirth of "Lohengrin." V. Aleksandrova, E. Bronfin. *Sov. muz.* 20 no. 12:44-46 D '62.

LENINGRAD—ORNITHOSIS

Data on ornithosis infection in Leningrad. F. I. Krasnik, L. A. Vishninkova. *Trudy Len. inst. epid. i mikrobiol.* 20:96-105 '59.

LENINGRAD—ORTHOPEDIC APPARATUS INDUSTRY

Quality has improved and delivery time has been reduced. G. Vilenakii. *Sots. obesp.* 23 no. 12:38-39 D '62.

LENINGRAD—ORTHOPEDIC SHOES

Carelessness. S. Polotova. *Sots. obesp.* 23 no. 12:35 D '62.

LENINGRAD—PAINTINGS

Leningrad. *Ermilazh.* [Paintings] Zhivopis'. [Izd. 2.] Moskva, Gos. izd-vo izobraz. iskus., 1962. [6] p. 50 plates. [Parallel texts in Russian, English, French, and German]

LENINGRAD—PENSIONS

Every kopeck reaches its destination. D. Vasil'kov. *Sots. obesp.* 23 no. 11:10-11 N '62.
Factory committee and pensioners. V. Bazhenova. *Sots. obesp.* 23 no. 11:12-13 N '62.

LENINGRAD—Q FEVER

Q fever in Leningrad. K. N. Tokarevich, L. D. Vasil'eva. *Trudy Len. inst. epid. i mikrobiol.* 20:7-18 '59.

LENINGRAD—RESEARCH LIBRARIES

Akademiya nauk SSSR. Biblioteka. [Library of the Academy of Sciences of the U. S. S. R., during 1961]. *Biblioteka Akademii nauk SSSR v 1961 godu.* Sost. G. I. Smol'in, Pod red. M. S. Filippova. Leningrad, 1962. 166 p.

LENINGRAD—SIEGE, 1941-1944

[For the sake of your life] Radi tyoi zhizni. [Leningrad] Lenzdat, 1962. 132 p. illus.

"In the encircled city; economy and everyday life of the besieged Leningrad" by N. A. Manakov. Reviewed by A. A. Lotkovskii, I. A. S. Rozenfel'd. *Vop. ist.* 39 no. 1:115-116 Ja '63.

Password is "victory!" A. Akshinin. *Sov. voyn* 45 no. 1:7-8 Ja '63.

Pilushin, I. I. [At the walls of Leningrad; a soldier's notebook]. *Usten Leningrada; zapiski soldata.* [Leningrad] Lenzdat, 1962. 295 p. (MH)

LENINGRAD—SUBWAYS

Working a shaft with automatic skip-winding. V. A. Kosmodem'ianskii. *Transp. stroit.* 12 no. 12:19-21 D '62.

LENINGRAD—TEACHERS, TRAINING OF

University of scientific knowledge for teachers. G. N. Pivovarov. *Met. v shkole* no. 6:62 N-D '62.

LENINGRAD—TECHNOLOGICAL INNOVATIONS

One of many. A. Kachalov. *NTO* 4 no. 9:32-33 S '62.

LENINGRAD—THEOLOGICAL SEMINARIES

Annual exercises in Leningrad theological schools. M. Ruskov. *Zhur. Mosk. Patr.* no. 13:27-28 N '62.

LENINGRAD—TRACTOR INDUSTRY

Steppes giant. N. Dolgorov. *NTO* 4 no. 12:34-35 D '62.

LENINGRAD—TRANSIT SYSTEMS

[Streetcars, trolley bus and motorbus lines, passenger cab and truck service; handbook of passenger traffic of the Leningrad City Transit] *Tramvai, trolleybus, avtobus, legkovye i gruzovye taksimotory; spravochnik passazhirskogo dvizheniya Leningradskogo gorodskogo transporta.* Leningrad, "Lengospravka," 1960. 240 p.

LENINGRAD—UNIVERSITIES AND COLLEGES

Bound for Leningrad. I. U. Znamenskii. *Vsem. stud. nov.* 16 no. 5:6:32-36 My-Je '62.

LENINGRAD—WAGES—METAL INDUSTRIES

New tasks and forms of material incentives. A. Gruzdev. *Sots. trud* 7 no. 4:95-104 Ap '62.

LENINGRAD—WASTE PRODUCTS

Food wastes constitute seventy per cent of the feeds. I. Braun, M. Feigin. *Obshchestv. pit.* no. 12:21-23 D '62.

LENINGRAD—WORLD WAR, 1939-1945

"How Leningrad workers struggled for the reconstruction of their city, 1944-1945" by V. A. Ezhov. Reviewed by A. R. Dzenisevich. *Vop. ist.* 38 no. 1:117-118 Ja '63.

LENINGRAD GOVERNMENT—REVOLUTION, 1917-1921

Gubareva, V. M. [How the revolutionary masses of the Petrograd Government struggled for the victory of the socialist revolution]. *Bor'ba revoliutsionnykh mass Petrogradskoi gubernii za pobedu sotsialisticheskoi revoliutsii.* [Leningrad] Izd-vo Leningr. univ., 1962. 162 p.

LENINGRAD PROVINCE—APARTMENT HOUSES

Experience with housing construction on state farms. R. Mkrichtian. *Sol'. stroit.* no. 12:6-7 D '62.

LENINGRAD PROVINCE—ATHEISM

Persistent and convincing propaganda of atheism. N. Krasnikov. *Kommunist* 30 no. 2:74-77 Ja '63.

LENINGRAD PROVINCE—BANKS AND BANKING—CONGRESSES

The communist labor movement is expanding. Don. i kred. 20 no. 11:41-48 N '62.

LENINGRAD PROVINCE—CHALCID FLIES

Fauna and ecology of chalcid flies (Hymenoptera, Chalcidoidea) infesting scale insects of Leningrad Province. E. S. Sugonin. *Trudy Zool. inst.* 31:172-196 '62.

LENINGRAD PROVINCE—DOLICHOPODIDAE

Materials on Diptera of Leningrad Province. Report No. 5: Dolichopodidae. A. A. Shtakel'berg. *Trudy Zool. inst.* 31:280-317 '62.

LENINGRAD PROVINCE—FINNS

History of the Finnish population of Leningrad Province [with summary in English]. Z. M. Dubrovina. *Vest. LGU* 17 no. 20:111-120 '62.

LENINGRAD PROVINCE—FLIES

Materials on Diptera of Leningrad Province. Report No. 6: Diptera, Calyptrata. Part 1. A. A. Shtakel'berg. *Trudy Zool. inst.* 31:318-388 '62.

LENINGRAD PROVINCE—FRIT FLIES

Fauna and ecology of frit flies (Diptera, Chloropidae) of Leningrad Province. E. P. Narchuk. *Trudy Zool. inst.* 31:250-275 '62.

LENINGRAD PROVINCE—GALL FLIES

Gall wasps (Hymenoptera, Cynipoidea, Cynipinae) of Leningrad Province. A. V. Vyrzhikovskaya. *Trudy Zool. inst.* 31:138-171 '62.

LENINGRAD PROVINCE—HELOMYZIDAE

Fauna of Helomyzidae (Diptera) of Leningrad Province. K. B. Gorodkov. *Trudy Zool. inst.* 31:276-279 '62.

LENINGRAD PROVINCE—HETEROPTERA

Notes on some Heteroptera of Leningrad Province. I. M. Kerzhner. *Trudy Zool. inst.* 31:46-48 '62.

LENINGRAD PROVINCE—HYDRACARINA

A survey of water mites (Acariformes, Hydracarina) of Leningrad Province and Karelia. I. I. Sokolov, A. I. Anovskaya. *Trudy Zool. inst.* 31:389-428 '62.

LENINGRAD PROVINCE—ICHNEUMON FLIES

Materials on the Ichneumon flies of the subfamily Alysiinae (Hymenoptera, Braconidae) of Leningrad Province. V. I. Tobias. *Trudy Zool. inst.* 31:81-137 '62.

LENINGRAD PROVINCE—JUMPING PLANT LICE

Jumping plant lice (Homoptera, Psyllodea) of Leningrad Province. M. M. Logina. *Trudy Zool. inst.* 31:33-45 '62.

LENINGRAD PROVINCE—LEAF BEETLES—EXTERMINATION

Economic evaluation of turnip protection. Z. I. Samolova. *Zashch. rast. ot vred. i bol.* 5 no. 3:8 Mr '60.

LENINGRAD PROVINCE—LEAF ROLLERS

Leaf rollers (Lepidoptera, Tortricidae) of Leningrad Province. M. I. Faikovich. *Trudy Zool. inst.* 31:40-80 '62.

LENINGRAD PROVINCE—MITES

Short survey of oribatid mites (Acariformes, Oribatei) of Leningrad Province. L. G. Sitnikova. *Trudy Zool. inst.* 31:420-452 '62.

LENINGRAD PROVINCE—NAMES, GEOGRAPHICAL

Study of toponymy in connection with ethnographic data. N. V. Fedot'skaya. *Mat. i issl. po rus. dial.* no. 2:169-179 '61.

LENINGRAD PROVINCE—PARASITES—SCALE INSECTS

Fauna and ecology of chalcid flies (Hymenoptera, Chalcidoidea) infesting scale insects of Leningrad Province. E. S. Sugonin. *Trudy Zool. inst.* 31:172-196 '62.

LENINGRAD PROVINCE—Q FEVER

Epidemiological materials on Q fever in Leningrad Province. K. N. Tokarevich and others. *Trudy Len. inst. epid. i mikrobiol.* 20:18-27 '59.

LENINGRAD PROVINCE—QUALITY CONTROL

For the honor of the factory trademark. V. Rumiantsev. *Sots. trud* 7 no. 4:116-123 Ap '62.

LENINGRAD PROVINCE—SCALE INSECTS

A short analysis of the species and geographical distribution of scale insects (Homoptera, Coccoidea) of Leningrad Province. E. M. Dantsig. *Trudy Zool. inst.* 31:28-32 '62.

Supplement to the fauna of scale insects (Homoptera, Coccoidea) of Leningrad Province. E. M. Dantsig. *Trudy Zool. inst.* 31:22-24 '62.

LENINGRAD PROVINCE—TRADE UNIONS

Province committee and small organizations. N. Niko-layev. *Sov. profsoyuzy* 10 no. 1:15-16 Ja '63.

LENINGRAD PROVINCE—TURNIPS—DIS-PESTS

Economic evaluation of turnip protection. Zashch. rast. ot vred. i bol. 5 no.

LENINGRAD PROVINCE—WAGES—CHEMICAL INDUSTRIES

Practice in awarding bonuses to engineering and technical workers and employees in enterprises of the chemical industry of the Leningrad Economic Council. F. Hanson. *Biul. nauch. inform. i trud i zar. plata* 5 no. 4:24-29 '62.

LENINGRAD REGION—ENSEMBLES (MUSIC)

Energetic, full of life... L. Seragina. *Sov. voln* 45 no. 1:46 Ja '63.

LENINGRAD REGION—STATE FARMS—MANAGEMENT

Intensive use of land on state farms near cities. V. Tiutin, B. Ugov. *Ekhn. sel'khoz.* 33 no. 12:99-106 D '62.

LENINGRAD REGION—WHITEFLIES

Whiteflies (Homoptera, Aleyrodidae) in the Leningrad region. E. M. Dantsig. *Trudy Zool. inst.* 31:13-21 '62.

LENINO DISTRICT—POTTERY—MARKS

Sarmatian marks on amphorae found in an ancient site near the Semenovka village. I. T. Kruglikova. *Krat. soob. Inst. arkheol.* no. 89:97-100 '62.

LENINGOGORSK—NONFERROUS METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Economic profit is the primary consideration. A. Vdovin. *Nar. khoz. Kazakh.* 20 no. 10:9-12 O '62.

LENINGOGORSK—SUGGESTION SYSTEMS

Economic profit is the primary consideration. A. Vdovin. *Nar. khoz. Kazakh.* 20 no. 10:9-12 O '62.

LENINSKIY DISTRICT (ANDIZHAN PROVINCE)—RADIO—BROADCASTING

Radio broadcasting on collective farms. K. Musin. *Part. zhizni [Uzb.]* 5 no. 11:75-76 N '62.

LENINSKIYE GORKI see Gorki Leningradskiy

LENKORAN LOWLAND—LAUREL

Agrobiology of laurel in the Caspian subtropics of Azerbaijan [with summary in English]. M. M. Babaev. *Subtrop. kul't.* no. 1:86-88 '62.

LENSES, PHOTOGRAPHIC

Interchangeable lenses. V. Akhramov. *Sov. foto* 22 no. 12:42-44 D '62.

Lenses with variable focal distance. M. Shul'man. *Sov. foto* 22 no. 11:34-36 N '62.

LEONOV, LEONID MAKSIMOVICH, 1890-

Stylistic use of terminological vocabulary in L. Leonov's novel "Skutarevskii." E. Fink. *Uch. zap. Kuib. gos. ped. inst.* no. 37:94-101 '62.

LEOPARD see subdivision under Turkmenistan

LEPIDOPTERA

Development of the system of giant nerve fibers in the metamorphosis of Lepidoptera [with summary in English]. V. P. Tyshchenko. *Ent. oboz.* 41 no. 4:795-815 '62.

LEPROSY

Transplantation of skin from the hairy portion of the scalp for restoration of the eyebrows in leprosy patients. A. S. Idrisov. *Zdrav. Kazakh.* 22 no. 7:14-15 '62.

LEPTOMENINGITIS see Meningitis

LEPTOSPIROSIS

Cases of water fever disease caused by Leptospira of the Tarasov type. E. M. Popova, L. E. Ionova. *Trudy Len. inst. epid. i mikrobiol.* 20:146-150 '59.

Data on the susceptibility of the dogs and cats in the Estonian S.S.R. to Leptospira infection. G. M. Medinskii, R. A. Rata. *Trudy Len. inst. epid. i mikrobiol.* 20:171-174 '59.

Experimental leptospirosis infection in cotton rats. E. M. Popova, N. V. Titova. *Trudy Len. inst. epid. i mikrobiol.* 20:134-145 '59.

Outbreak of leptospirosis infection among silver-black foxes. G. M. Medinskii, L. K. Lesament, A. F. Safronov. *Trudy Len. inst. epid. i mikrobiol.* 20:165-170 '59.

LERMONTOV, MIKHAIL IUR'EVICH, 1814-1841

Creative process of M. I. Lermontov's drama "Masquerade." V. K. Bogomolets. *Uch. zap. Rov. gos. ped. inst.* 6:127-173 '61.

Some observations on the vocabulary used by M. I. Lermontov in his prose works; words designating concepts of the inner world. N. Komarova. *Izv. AN Latv. SSR* no. 4:39-48 '61.

LESIAFT, PETR FRANTSEVICH, 1837-1909

"...Let's assist the development of man..." Sem'ia shkola 17 no. 9:11 S '62.

LESOGORSK—SOVIETS

"Lesogorsk and Chistoye." *Sov. deput. trud.* no. 9:78-80 S '62.

LESPEDEZA

Some features of the transpiration of Japan clover seedlings grown from seeds of various geographical origins. P. G. Targen. *Uch. zap. T'ir. gos. ped. inst.* no. 0:189-200 '60.

LEUCOCYTOSIS

Leukemoid reactions in children. O. F. Dovzhik. *Vop. okh. mat. i det.* 7 no. 9:87-89 S '62.

LEUCOXENE

Improved method of utilizing leucoxene-bearing titanium ores. E. B. Dmitrovskii, T. M. Burmistrova, V. A. Reznichenko. *Titon i ego splavy* no. 8:14-21 '62.

LEUKEMIA

Case of serous meningitis and paralysis of the right facial nerve of the peripheral type in acute leukosis. E. N. Poliakova, N. G. Zernov. *Vop. okh. mat. i det.* 7 no. 8:89-90 S '62.

Disorder of hemopoiesis in a newborn infant from a mother suffering from acute leukemia. L. V. Bekker, O. P. Rogova. *Vop. okh. mat. i det.* 7 no. 9:79-81 S '62.

Dynamics of the content of 17-ketosteroids in the urine compound treatment of acute leukoses in children. G. F. Sultanova, K. A. Sogrina, G. P. Popova. *Vop. okh. mat. i det.* 7 no. 9:24-27 S '62.

Dynamics of the total protein and protein fractions in the blood serum in acute leukosis in children [with summary in English]. K. V. Isakov. *Vop. okh. mat. i det.* 7 no. 9:27-30 S '62.

Some problems in the clinical aspects and therapy of aleukemic reticulosis in children [with summary in English]. I. U. E. Molokhovskii. *Vop. okh. mat. i det.* 7 no. 9:17-23 S '62.

LEVES see subdivision under Kolkhida Lowland

LEVEL INDICATORS

Automatic compensation of the readings of hydrostatic level indicators during the start of a boiler. I. V. Dem'ianchuk. *Teplotekhnika* 10 no. 1:70-75 Ja '63.

Level control by means of photoelectric transducers on automatic production lines. V. A. Novak. *Tekst. prom.* 22 no. 12:70-74 D '62.

LEVEL INDICATORS—TESTING

Industrial testing of radioactive level indicators of the clarified layer in thickeners. V. V. Smirnov, G. A. Khan. *TSvet. met.* 35 no. 9:15-20 S '62.

LEVINA, ZARA ALEKSANDROVNA, 1905-

Listen to the music. M. Nest'eva. *Sov. muz.* 26 no. 12:21-23 D '62.

LEVULINIC ACID

Catalan condensation of esters of substituted levulinic acids. G. N. Pyshkina and others. *Zhur. ob. khim.* 32 no. 12:3908-3913 D '62.

L'GOV DISTRICT—PENSIONS

"It turned out they can..." N. Alekseev. *Sots. obozr.* 23 no. 11:28-29 N '62.

LIABILITY (LAW)

We should increase liability for the destruction of socialist property. E. Klenov, V. Malov. *Sov. iust.* no. 1:4-7 Ja '63.

LIABILITY FOR MARINE ACCIDENTS

A decision of the State Arbitration Agency attached to the Executive Committee of the Leningrad Province Soviet of Workers' Deputies. *Inform. sbor. TSNIIMF* no. 82. Mor. pravo i prak. no. 18:84 '62.

Judicial practice in the examination of maritime conflicts in England. *Inform. sbor. TSNIIMF* no. 82. Mor. pravo i prak. no. 18:84-86 '62.

LIBEL AND SLANDER

Slander. D. Korobko. *Sov. iust.* no. 21:25-26 N '62.

LIBEL AND SLANDER—CASES see subdivision under Lugansk

LIBRARIES

(see also subdivision under Kirov; Kursk; Leipzig; Moscow; Riga; Uzbekistan)

Buried treasure. I. Vaks, B. Gol'dberg. *Bibliotekar'* no. 1:57-60 Ja '63.

LIBRARIES—TERMINOLOGY

Elizarenkova, T. P. [English-Russian bookman's glossary] *Anglo-russkii slovar' knigovedcheskikh terminov*. Moskva, Sovetskaya Rossiya, 1962. 510 p. [MICROFILM]

LIBRARIES, CHILDREN'S

(see also subdivision under Pskov)

Book arrangement and the organization of catalogs in children's libraries providing free access to their collections. L. V. Khorfunova. *Sov. bibl.* no. 6:14-20 '62.

List of readers used in the guidance of reading. Kh. Rabinovich. *Bibliotekar'* no. 1:36-39 Ja '63.

LIBRARIES, SPECIAL

They, too, participate in the making of books. A. Prosto-serbov. *Bibliotekar'* no. 1:53-56 Ja '63.

LIBRARIES AND READERS

(see also subdivision under Frunze; Kharkov; Krasnoyarsk; Leningrad; Morskansk; Novosibirsk; Perm; Rostov; Volgograd)

Bring the decisions of the November plenum of the Central Committee of the CPSU to every Soviet person. *Bibliotekar'* no. 1:4-5 Ja '63.

Close ties with management. N. Nikolaeva, G. Tomzikova. *Bibliotekar'* no. 1:19-22 Ja '63.

Engineers discuss books. M. Mirnata. *Bibliotekar'* no. 1:18 Ja '63.

LIBRARY CATALOGS

"System of catalogs of province libraries: a practical manual" by D. K. Zhuk, S. E. Shamurina. Reviewed by I. A. Bal'eer. *Sov. bibl.* no. 6:47-51 '62.

LIBRARY CONFERENCES

Seminar and conference of assistant directors of Province libraries. T. B. *Sov. bibl.* no. 6:93-95 '62.

LIBRARY SCHOOLS AND TRAINING

Library scientist but not a dilettante. I. Astakhov. *Bibliotekar'* no. 1:47-49 Ja '63.

LIBRARY SCIENCE—BIBLIOGRAPHY see Bibliography—Library science

LICHENS

Ascorbic acid content of forage lichens of the tundra. G. I. Karev, V. P. Kochevykh. *Bot. zhur.* 47 no. 11:1686-1688 N '62.

LICHENS—TOXICOLOGY

Toxicity of some mosses and lichens in relation to Azotobacter in the soils of Karelia [with summary in English]. T. I. Evdokimova. *Pochvovedenie* no. 3:88-92 Ag '62.

LIEBIG, JUSTUS, FREIHER VON, 1803-1873

Founder of agronomy. B. Rozen. *V mire knig* 2 no. 12:10 D '62.

Philosophical problems in the works of Justus Liebig. I. U. S. Musabekov. *Vop. filos.* 17 no. 1:73-78 '63.

LIEPINA, LIDIJA, 1891

Academician L. Liepina; on her 70th birthday [in Latvian]. A. Iokenbala. *Izv. AN Latv. SSR* no. 4:137-142 '61.

LIFE

The nature of life. B. F. Semkov. *Vop. filos.* 17 no. 1:148-152 '63.

Tsentseper, M. B. [A talk on life] *Razgovor o zhizni*. [Moskva] Molodai gvardia, 1962. 301 p.

LIFE ON OTHER PLANETS

Is there life beyond Mars? *Vsem. stud. nov.* 16 no. 4:13 Ap '62.

LIFE SUPPORT SYSTEMS (SPACE ENVIRONMENT)

Ecological system in space flight. E. Shepelov. *Av. i kosm.* 45 no. 1:20-25 Ja '63.

LIGHT—SCATTERING

Colors and absorption spectra of dyes adsorbed on light-scattering materials. A. P. Ivanov. *Opt. i spekt.* 13 no. 9:831-834 '62.

Effect of diffuse light on the results of luminescence spectrum measurements. V. P. Kiochikov. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:17-18 Ja '63.

Indicatives of light scattering at snow cover [with summary in English]. E. V. Plaskovskaya-Fesenkova. *Izv. Astrofiz. inst. AN Kazakh. SSR* 15:117-120 '62.

Solving the radiation transfer equation for the case of the scattering indicatrix greatly differing from the spherical form. Part 2. L. M. Romanova. *Opt. i spekt.* 13 no. 9:819-825 '62.

LIGHT FILTERS

Infrared dispersion filters. I. F. Gurinovich, N. A. Borisovich. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:26-20 Ja '63.

Spectral and energy characteristics of totally reflecting resonance filters allowing for their geometrical dimensions. L. V. Iogansen. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:24-26 Ja '63.

LIGHT TRAPS see Insect traps

LIGHTING

Division of the territory of the U.S.S.R. into districts according to natural light conditions. N. M. Gusev, N. A. Temchin. *Izv. ASIA* 4 no. 4:94-101 '62.

LIGHTING—BIBLIOGRAPHY see Bibliography—Lighting

LIGHTWEIGHT CONCRETE

Corrosion resistance of the reinforcement of air-entrained silicate concrete, air-entrained clinker concrete and keramzit concrete. D. I. A. Solovet, E. M. Sorokina, E. S. Kazakevich. *Sbor. trud. ROSNIIMS* no. 20:76-83 '61.

LIGHT WEIGHT CONCRETE (Continued)

Problems of the technology of manufacturing keramzit concrete slabs in the Uzbek S.S.R. A. N. Dobrodeev and others. *Sbor. nauch. trud. NIi po stroi. ASIA* no. 2:36-44 '61.
Use of lightweight concrete in bearing and exterior elements. N. A. Kornev. *Izv. ASIA* 4 no. 4:34-44 '62.

LIGNIN

Hydrolytic and alkaline boiling of hardwood for obtaining cellulose with simultaneous hydrogenation of lignin. Report No. 2; Fractionation of hydrogenated lignin products and separation of phenols [with summary in English]. V. Gromov, M. Pormale. *Izv. AN Latv. SSR* no. 4:85-92 '61.

LIGNITE

Design of hammer mills with different types of separators. V. D. Krigmont. *Teploenergetika* 9 no. 12:14-18 D '62.

LIGNITE—DRYING

Concerning A. E. Gel'tman's article "Choice of a system for drying wet lignite in large state regional electric power plants." G. A. Ushakov. *Energomashinoostroenie* 8 no. 12:40-41 D '62.

Reply to G. A. Ushakov's remarks. A. E. Gel'tman, L. E. Apatovskii, V. A. Khalupovich. *Energomashinoostroenie* 8 no. 12:41-42 D '62.

LIGNOSULFONIC ACIDS

Testing of lignosulfonic acids formed during sulfite cooking in the presence of condensed lignin. M. N. Tsypkina, M. N. Atapina. *Trudy VNIIB* no. 47:50-63 '61.

LILIES OF THE VALLEY

Colorimetric determination of total glycosides in *Convallaria* tincture [with summary in English]. O. K. Svitskaya. *Apt. delo* 12 no. 3:38-41 My-Je '62.

LIMBS (ANATOMY) see Extremities (Anatomy)

LIME

Effect of the conditions of lime hydration on the hydrothermal hardening of sand-lime products. L. N. Rashkovich. *Sbor. trud. ROSNIMS* no. 20:28-35 '61.

Electron microscope studies of the form and internal structure of Ca(OH)_2 separated out from supersaturated solutions. M. I. Strelkov, Z. P. Chumak. *Stroi. mat.* 8 no. 12:36-38 D '62.

The problem of the resistance to air of lime-ash binding materials. I. U. M. Butt, B. G. Varshal, A. A. Maier. *Sbor. trud. ROSNIMS* no. 20:3-17 '61.

LIME—ANALYSIS

The problem of determining the content of overburned lime. S. A. Krzheminskii, D. C. Zaidenberg. *Sbor. trud. ROSNIMS* no. 20:70-75 '61.

LIME—TESTING

Studying the quality of lime obtained in a fluidized bed. V. M. Dement'ev, I. U. P. Nekhebaev. *Stroi. mat.* 8 no. 12:35 D '62.

LIME INDUSTRY—LABOR PRODUCTIVITY

Potentials for the growth of labor productivity in the lime industry. E. M. Berkh and others. *Sbor. trud. ROSNIMS* no. 20:119-125 '61.

LIMEKILNS

Shaft furnace for burning lime with mazut fuel. I. E. Sosnink. *Stroi. mat.* 8 no. 12:18-19 D '62.

LIMESTONE

(see also subdivision under Gyuzdek region; Kharkov Province)

Improving the cutter in rotary drilling at limestone quarries. M. A. Lipson. *Sbor. trud. NIIZHelezobetona* no. 7:44-53 '62.

Large-capacity stack furnaces for the calcination of limestone. I. P. Stantsel'. *Stal'* 22 no. 12:1082-1083 D '62.

LIMITATION OF ACTIONS

Problems concerning the limitation of actions. I. Bolotnikov. *Sots. zakon.* 40 no. 1:62-63 Ja '63.

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Approximate solution of linear equations by Picard's method. M. B. Gagun. *Trudy Vych. tsentra AN Gruz. SSR* 2:17-19 '62.

Some methods of simulating systems of linear algebraic equations with an arbitrary matrix using analog computers. G. D. Klochkov, I. A. Nikolaev. *Izv. vyz. ucheb. zav.; elektromekh.* 5 no. 11:1298-1300 '62.

LINEAR PROGRAMMING

Linear programming in investigating rural electric networks [with summaries in English, German, and French]. K. M. Polarkov. *Vest. sel'khoz. nauk* 7 no. 11:135-139 N '62.

Using the linear programming method in planning the operation of equipment in an open-pit mine. A. V. Druzhinin. *Gor. zhur.* no. 1:28-34 Ja '63.

LINK TRAINERS

Flight on the ground. A. Evgen'ev. *Grazhd. av.* 19 no. 11:30 N '62.
Like in a real flight. V. Lutskil. *Av. i kosm.* 45 no. 1:31-37 Ja '63.
The RPKO-10M link trainer. M. Feoktistov. *Kryl. rod.* 14 no. 1:24 Ja '63.

LINKS AND LINK MOTION

The design of link guides. B. M. Partenskii. *Trudy Ural'. politekh. inst.* no. 119:109-115 '62.

LINOLEUM—WELDING

Welding of linoleum. S. Semifachkin. *Mest. prom. i khud. promys.* 3 no. 11:28 N '62.

LINOTYPE

Newspaper is set by "invisible hands." V. Ivanovskiy. *Znan. ta pratsia* no. 11:18-19 N '62.

LIPETSK—CHILDREN—HOSPITALS

Seminar on the exchange of work experience in children's provincial hospitals in Lipetsk. T. V. Kulakova. *Zdrav. Ros. Feder.* 6 no. 12:34-35 D '62.

LIPETSK—CLOTHING, PROTECTIVE

Stepchildren of the factory committee. N. Efimova. *Okhr. truda i sots. strakh.* 8 no. 1:30-31 Ja '63.

LIPETSK—COKE OVENS—MAINTENANCE AND REPAIR

Reconditioning the coke oven battery at the Lipetsk Metallurgical plant. V. T. Zaitsev. *Prom. stroi.* no. 10:31-35 '62.

LIPETSK—STEEL INDUSTRY—AUDITING AND INSPECTION

Intensive activity. A. Markin. *Part. zhizn'* no. 4:40-44 F '63.

LIPETSK PROVINCE—AGRICULTURE—LABOR PRODUCTIVITY

For a high marketability of production. I. Volovchenko. *Part zhizn'* no. 3:34-41 F '63.

LIPETSK PROVINCE—BAR ASSOCIATIONS

Good results of a surprise inspection. I. Meshcheriakov. *S. Basia. Sov. iust.* no. 24:26 D '62.

LIPETSK PROVINCE—INSURANCE, SOCIAL

The movement is spreading. F. Orlova. *Sots. obsep.* 24 no. 1:13 Ja '63.

LIPETSK PROVINCE—OAK BREEDING

Hybrid forms of oak at the Forest Steppe Experiment Station. N. G. Akimochkin. *Blul. Glav. bot. sadu* no. 47:95-98 '62.

LIPETSK PROVINCE—TEACHING

What does Lipetsk Province practice teach us? N. Lukin. *Sem'la i shkola* 17 no. 9:12-13 S '62.

LIPID METABOLISM

Effect of aminazine on the metabolism of lipids. I. A. Rykovskaya. *Zdrav. Kazakh.* 22 no. 7:56-59 '62.

Free radicals in lipids of a rat's liver in the normal state and at various periods following gamma-irradiation. I. K. Kolomitsseva, L. P. Kalushin, A. M. Kuzin. *Dokl. AN SSSR* 147 no. 4:951-953 D '62.

LIPIDS

Determining the total fat and lipoid content of gluten. K. N. Chizhova, I. E. Guseva, G. S. Gribkova. *Khleb. i kond. prom.* 6 no. 12:3-5 D '62.

Some characteristics of hemolipolysis in the lipid nephrotic syndrome in children [with summary in English]. E. A. Lakotkina. *Vop. okh. mat. i det.* 7 no. 9:41-46 S '62.

LIPOPROTEINS

Role of chloroplast lipoproteins in protein synthesis. N. M. Sisakian, E. N. Bozinger, A. S. Marchukaitis. *Dokl. AN SSSR* 147 no. 6:1493-1494 D '62.

LIQUID HELIUM

On supercritical oscillation conditions in He II [with summary in English]. R. A. Babidze. *Zhur. eksp. i teor. fiz.* 43 no. 6:2096-2093 D '62.

LIQUID LEVEL INDICATORS

Automatic regulator of liquefied gas levels using thermistors. V. P. Pozdnev. *Prihoroostroenie* no. 12:25 D '62.

Inductive level indicator for liquids. L. Levkoev. *Tekh. v sel'khoz.* 22 no. 11:41-42 N '62.

Method of designing liquid level indicators in vessels. M. P. Kroshkin. *Izv. vyz. ucheb. zav.; khim. i khim. tekhn.* 5 no. 5:840-844 '62.

LIQUID METALS

Device for sampling liquid metals for hydrogen by means of evacuation. E. S. Levin, K. T. Kurochkin, P. V. Umrakhin. *Zav. iab.* 28 no. 12:1530-1531 '62.
Forms of surface tension isotherms and polytherms of metal solutions [with summary in English]. N. L. Pokrovskii. *Ukr. fiz. zhur.* 7 no. 8:845-853 Ag '62.

Penetration of iron alloys into packed sand. B. V. Tsa-revskii, S. I. Popov, L. L. Lazarev. *Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl.* no. 6:49-54 N-D '62.
Study of devices for electromagnetic transportation of molten metals. E. K. Kochnev, M. G. Rezin. *Izv. vyz. ucheb. zav.; elektromekh.* 5 no. 9:963-973 '62.

LIQUIDS

Density and short-range coordination of certain liquids [with summary in English]. A. Z. Holik, P. P. Cholpan. *Ukr. fiz. zhur.* 7 no. 5:558-562 My '62.

Dielectric properties and molecular structure of liquid concentrated solutions [with summary in English]. M. I. Shakhparonov, R. M. Kasimov, I. A. IU. Akhadov. *Ukr. fiz. zhur.* 7 no. 8:874-882 Ag '62.

Forty-five years of X-ray diffraction analysis of liquids [with summary in English]. I. V. Radchenko. *Ukr. fiz. zhur.* 7 no. 8:820-826 Ag '62.

Hydrogen bonding and the static dielectric permeability of organic liquids [with summary in English]. A. E. Lutskil, S. A. Mikhailenko. *Ukr. fiz. zhur.* 7 no. 8:812-816 Ag '62.

On the interpretation of the structure of monatomic liquids [with summary in English]. A. F. Shkryshevskii. *Ukr. fiz. zhur.* 7 no. 8:826-833 Ag '62.

Relation of compressibility and shear viscosity to the structure of matter in the liquid state [with summary in English]. A. Z. Golik. *Ukr. fiz. zhur.* 7 no. 8:806-812 Ag '62.

Some results of a study of the viscosity of organic liquids [with summary in English]. Kh. M. Khalilov. *Ukr. fiz. zhur.* 7 no. 8:882-887 Ag '62.

Temperature dependence of the coordination numbers and diffusion coefficients of liquids [with summary in English]. G. M. Panchenkov, V. V. Erchenkov. *Ukr. fiz. zhur.* 7 no. 8:861-866 Ag '62.

LISTERELLOSIS

Change in the reserve alkalinity of sheep and rabbit blood during an experimental infection with listerellosis. A. A. Annagiev, G. A. Ragimova. *Trudy Azer. nauch. -issl. vnt. inst.* 13:92-94 '62.

Change in the sugar content of the blood and cerebrospinal fluid during listerellosis. A. A. Annagiev. *Trudy Azer. nauch. -issl. vnt. inst.* 13:95-97 '62.

Some disturbances in nitrogen metabolism in listerellosis. A. A. Annagiev. *Trudy Azer. nauch. -issl. vnt. inst.* 13:98-101 '62.

Studying the dynamics of the pathological process and course of experimental listerellosis in sheep. A. A. Annagiev. *Trudy Azer. nauch. -issl. vnt. inst.* 13:211-216 '62.

LITERARY SOCIETIES

"Sreda," a circle of realist writers from 1899 to 1906; from the history of Russian literary societies at the beginning of the 20th century [with summary in English]. M. I. Shemelova. *Vest. LGU* 17 no. 20:89-98 '62.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—HISTORY AND CRITICISM

Man and humanity. V. Sheherbina. *Znamia* 32 no. 6:203-214 S '62.

Zaverin, M. Z. [Quests and principles; articles on literature] *Iskanlia i printsiipy; stat'i o literature. Tbilisi, Izd-vo SP Gruzii "Zaria Vostoka,"* 1962. 141 p.

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE—PERIODICALS

Periodic "Literatura v shkole" through the eyes of a teacher. I. P. Pavlov, P. I. Gorbunov. *Sov. pedagog.* 26 no. 9:130-134 Ag '62.

LITERATURE—PHILOSOPHY

Writers and society. *Kommunist* 39 no. 3:94-98 F '63.

LITERATURE—STUDY AND TEACHING

Our literary evenings. G. M. Kirzner. *Sred. spets. obr.* 10 no. 1:47-52 Ja '63.

LITERATURE—TRANSLATIONS INTO RUSSIAN—BIBLIOGRAPHY see Bibliography—Literature—Translations into Russian

LITERATURE, COMPARATIVE—GEORGIAN AND PERSIAN

Interrelation of the Georgian version of "Lelli and Majnun" with a poem of the same title, "Rukhai Khafi," written by Sheikh Saad-Ed-Din [in Georgian with summary in Russian]. M. G. Mamatsashvili. *Izv. Inst. ruk. AN Gruz. SSR* 3:87-94 '61.

LITERATURE, COMPARATIVE—RUSSIAN AND UKRAINIAN

Role of Moscow in the development of Ukrainian literature. P. A. Lashchenko. *Uch. zap. Riv. gos. ped. inst.* 6:174-185 '61.

Ryl'skiy, Maksym. [Works in ten volumes] *Tvory v desyati tomakh.* Kyiv, Derzh. vyd-vo khudozh. lit-ry. Vol. 10. [Articles on literature and art] *Stat'i pro literaturu i mystetstvo.* 1962. 412 p.

- LITERATURE, COMPARATIVE—SPANISH AND UKRAINIAN**
Ivan Franko and Spanish literature. Anna Franko-Klochko. Zhyttia i shkola 8 no. 10/12:55-56 O-D '62.
- LITHIUM-ALUMINUM-COPPER ALLOYS** see Aluminum-copper-lithium alloys
- LITHIUM CITRATE**
Determination of copper by conductometric titration with lithium citrate. G. B. Pasovskaya. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:850-852 '62.
- LITHIUM FLUORIDE**
Dislocations in LiF crystal engendered by concentrated loading. A. A. Shpunt. Kristallografiya 7 no. 3:474-476 My-Je '62.
Genesis of dislocations in lithium fluoride and sodium chloride crystals caused by vibration. E. G. Shvilkovskii, N. A. Tiapulina, E. P. Belozero, Kristallografiya 7 no. 3:473-474 My-Je '62.
- LITHIUM NITRATE**
Transport number and mobility of lithium ions in aqueous solutions of LiNO₃. E. A. Bakulin. Zhur. fiz. khim. 36 no. 12:2782-2784 D '62.
- LITHIUM ORGANIC COMPOUNDS**
Organolithium synthesis of germanium hydrocarbon compounds from dimethyldichlorogermane. Certain reactions with a possible intermediate formation of (CH₃)₂Ge. O. M. Nefedov, M. N. Manakov, A. D. Petrov. Dokl. AN SSSR 147 no. 6:1376-1379 D '62.
- LITHUANIA—AGRICULTURAL ADMINISTRATION**
A trial of grafters. M. Karpovich. Sov. deput. trud. no. 6:74-77 Je '62.
- LITHUANIA—AGRICULTURE**
Soil should be fertile. M. Sumauskas. Zemledelie 24 no. 11:12-15 N '62.
- LITHUANIA—BIBLIOGRAPHY**
Lietuvos TSR knygu rimal. [Books of the Lithuanian S. S. R.; comprehensive national bibliography, 1940-1955] Lietuvos TSR spauda; valstybine suvestinio bibliografija, 1940-1955. Vilnius, Valstybine politines ir mokslines literaturos leidykla [In Lithuanian and Russian]
Vol. 1. Book 1. 1962. 816 p.
- LITHUANIA—BUILDING MATERIALS**
Hard slabs without binding materials from logging waste. S. Jonaitis. Les. prom. 40 no. 12:16-17 D '62.
- LITHUANIA—DRUG INDUSTRY**
Chemtopharmaceutical factory "Santitas" is an enterprise of communist labor. R. Stonkute. Apt. delo 12 no. 3:16-21 My-Je '62.
- LITHUANIA—EARTHWORMS**
Effect of erosion on earthworms (Lumbricidae) during the vegetative period of plants [with summary in English]. O. Atlaivinyte, A. Pajarskaite. Zool. zhur. 41 no. 11:1631-1636 N '62.
- LITHUANIA—EROSION**
Effect of erosion on earthworms (Lumbricidae) during the vegetative period of plants [with summary in English]. O. Atlaivinyte, A. Pajarskaite. Zool. zhur. 41 no. 11:1631-1636 N '62.
- LITHUANIA—FOREST MANAGEMENT**
Section method in forest management of the Lithuanian S. S. R. V. Antanaitis, M. Vaicys. Les. khoz. 15 no. 11:15-19 N '62.
- LITHUANIA—INDUSTRY**
Meskavskas, Kazimieras. [Industrialization of Soviet Lithuania] Tarybu Lietuvos industrializavimas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1960. 261 p. [In Lithuanian]
- LITHUANIA—LABOR AND LABORING CLASSES**
Balevicius, Zigmas. [Workers in bourgeois Lithuania] Darbininku padetis burzuazineje Lietuvoje. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1960. 222 p. [In Lithuanian]
- LITHUANIA—MACHINE-TOOL INDUSTRY**
Lietuvos TSR masinu ir prietaisu gamybos pramonės darbuotoju ekonomine konferencija. Vilnius, 1962. [Means of production in the machine and machine-tool industry of the Lithuanian S. S. R.] Gamybos rezervai Lietuvos TSR masinu ir prietaisu pramonėje. Vilnius, 1962. 135 p. [In Lithuanian]
- LITHUANIA—MACHINERY INDUSTRY**
Lietuvos TSR masinu ir prietaisu gamybos pramonės darbuotoju ekonomine konferencija. Vilnius, 1962. [Means of production in the machine and machine-tool industry of the Lithuanian S. S. R.] Gamybos rezervai Lietuvos TSR masinu ir prietaisu pramonėje. Vilnius, 1962. 135 p. [In Lithuanian]
- LITHUANIA—MAPS**
Broga, L., and E. Danilevicius, comps. [Tourist map of the Lithuanian S. S. R.] Lietuvos TSR turistinis zemėlapis. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 102 p. [In Lithuanian]
- LITHUANIA—NEMATODE DISEASES OF PLANTS**
Chloropicrin in controlling the potato nematode. V. I. Belokurskaja. Zashch. rast. ot vred. i bol. 4 no. 5: 48 S-O '50.
- LITHUANIA—POLITICS AND GOVERNMENT**
Local partiality is a harmful survival. G. Zilmanas. Kommunist 30 no. 2:78-85 Ja '63.
- LITHUANIA—POTATOES—DISEASES AND PESTS**
Chloropicrin in controlling the potato nematode. V. I. Belokurskaja. Zashch. rast. ot vred. i bol. 4 no. 5: 48 S-O '50.
- LITHUANIA—RAILROADS—TECHNOLOGICAL INNOVATIONS**
Based on volunteers' work. D. I. Chesnokov. Put' i put. khoz. 6 no. 12:13 '62.
- LITHUANIA—WORLD WAR, 1939-1945—ATROCITIES**
Kaplanas, O. [The Ninth Fort accuses. Translated from the Lithuanian] Deviatyi fort obyviniaet. Vilnius, Gos. izd-vo polit. i nauch. lit-ry Litovskoi SSR, 1962. 57 p.
- LITHUANIAN ART** see Art, Lithuanian
- LITTER (BEDDING)**
Some characteristics of cut peat as litter material. TS. I. Minkina, G. V. Golofskaja, T. G. Butuzkina. Torf. prom. 30 no. 8:22-24 '62.
- LIVER**
Functional state of the liver in pneumoconiosis. L. I. Iartseva. Zdrav. Kazakh. 22 no. 7:21-23 '62.
Liver. Zdorov'ie 8 no. 12:0 D '62.
- LIVER—CIRRHOSIS**
Disorder and restoration of the morphology and function of the liver in children suffering from cirrhosis. S. S. Val'f, A. F. Tomashevskii. Sbor. trud. Inst. khir. AMN SSSR no. 1:100-122 '62.
Experimental study of the reversibility of cirrhotic changes in the liver. L. S. Rubetskoi, R. N. Korotkina. Sbor. trud. Inst. khir. AMN SSSR no. 1:123-149 '62.
Is resection of the liver desirable as a method of treatment for true cirrhosis? L. S. Rubetskoi. Sbor. trud. Inst. khir. AMN SSSR no. 1:150-157 '62.
- LIVER—DISEASES**
Functional checkup of the liver of cattle infected with theileriasis by the Takata-Ara test. M. A. Alizade. Trudy Azer. nauch.-issl. vet. inst. 13:221-224 '62.
- LIVER—SURGERY**
Is resection of the liver desirable as a method of treatment for true cirrhosis? L. S. Rubetskoi. Sbor. trud. Inst. khir. AMN SSSR no. 1:150-157 '62.
- LIVER FLUKE**
(see also subdivision under Azerbaijan)
Electrophoretic investigation of proteins of the blood serum and liver of cattle in vermifuge treatment with hexachlorocyclopentadiene and in fascioliasis. B. F. Sukhomlinov. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. ratoniv. URSR 14 no. 4:90-93 '61.
Fascioliasis in children. N. S. Potekhina. Zdrav. Bel. 6 no. 12:67 D '62.
- LIVING FOSSILS**
Monster from the De-la-Maize. S. K. Klumov. IUn. nat. no. 1:10-11 Ja '63.
- LIZARDS** see subdivision under South America
- LIZINOVKA—PUBLIC HEALTH, RURAL**
Grain of a good practice. M. Trubnikov. Sov. Kras. krest 12 no. 4:4 Ji-Ag '62.
- LOADING AND UNLOADING**
Automatic control of the unloading conveyor of loading machines. V. A. Marutov, S. A. Pavlovskii. Mekh. i avtom. proizv. 16 no. 12:35-37 D '62.
Automatic loading. Mekh. i avtom. proizv. 16 no. 12: 55 D '62.
Cable-type unloading unit. B. N. Stabina, V. N. Parkhomenko. Les. prom. 40 no. 12:20 D '62.
Modernization of the worm apparatus for peace meal unloading of stiff leather. S. A. Azarov and others. Khoz.-obuv. prom. 4 no. 12:10-12 D '62.
Self-closing crates. R. V. Razumovskii. Les. prom. 40 no. 11:31 N '62.
Structure for unloading a dump truck into a bunker. Gor. zhur. no. 5:75 My '62.
Technological and economic indices of scraper car unloaders. I. Ia'emini, I. U. Golandskaja. Muk.-elev. prom. 23 no. 12:21-22 D '62.
- LOADING AND UNLOADING—BIBLIOGRAPHY** see Bibliography—Loading and unloading
- LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES**
Loading of rails in packages. V. I. Tolmachev. Put' i put. khoz. 6 no. 12:29 '62.
- LOADING AND UNLOADING—JOB DESCRIPTIONS**
In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud 7 no. 4:146-148 Ap '62.
- LOAM SOILS**
Study of increasing the seepage resistance of gypiferous loams. N. V. Metonidze. Trudy Gruz NIIGIM no. 21: 255-266 '60.
- LOCAL ANESTHESIA**
Daisenko, M. F., and M. V. Fetysov. [Local anesthetics in the maxillofacial areas] Miestve obezbolivaniia v shcheliono-lyts'ovoi dillantse. Kyiv [Derzhmedvydav] URSR, 1959. 163 p. (DNLM)
- LOCAL ELECTIONS**
Bolshevik tactics in municipal campaigns; materials on the elections to the Krasnoyarsk and Omak town councils [with summary in English]. V. A. Ovsiankin, S. A. Sldorenko. Vest. LGU 17 no. 20:32-50 '62.
- LOCAL FINANCE**
Some budgetary rights of local Soviets. G. Dandukov. Sov. deput. trud. no. 9:90-93 S '62.
- LOCAL GOVERNMENT**
(see also subdivision under Czechoslovakia; Moscow Province)
Good managers should help and teach. V. Igoshov, N. Ponomarev, M. Kudriavtsev. Sov. deput. trud. no. 1: 36-41 Ja '63.
The most important factor. V. Kozlova. Sov. deput. trud. no. 1:26-31 Ja '63.
- LOCAL GOVERNMENT—HANDBOOKS, MANUALS, ETC.**
[Handbook for local Soviet personnel] Spravochnik sovetskogo rabotnika. Pod obshch. red. S. M. Kurnatova. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 630 p.
- LOCAL TRANSIT—ABSTRACTS**
[Automotive and city transportation] Ref. zhur. : Avt. i gor. transp. nos. 1-2 Ja-F '63.
- LOCATION OF INDUSTRIES** see Industries, Location of
- LOCOMOTIVE ENGINEERS**
Arend Arusaar, a locomotive engineer from Tallinn. O. I. Benenson. Elek. i tepl. tsiaga 6 no. 11:9 N '62.
The locomotive crew is credited with saving 150,000 kw.-hrs. of electric power. A. I. Seliverstov. Elek. i tepl. tsiaga 6 no. 11:7 N '62.
- LOCOMOTIVES**
(see also subdivision under Czechoslovakia)
Blocking device of the brake system of locomotives. V. A. Grinio, N. N. Klimov. Elek. i tepl. tsiaga 6 no. 11: 25-27 N '62.
Technical and economic efficiency of the new traction types in local operations. I. U. F. Kulaev. Zhel. dor. transp. 44 no. 12:26-31 D '62.
- LOCOMOTIVES—DESIGN AND CONSTRUCTION**
Mechanizing the oxygen cutting of locomotive parts. L. D. Veretnik. Svar. proizv. no. 7:10-21 Ji '62.
- LOCOMOTIVES—DYNAMICS**
Nikolnev, I. I. [Locomotive dynamics] Dinamika lokomotivov. Moskva, Transzheldorizdat, 1962. 318 p.
- LOCOMOTIVES—EQUIPMENT AND SUPPLIES**
Textolite signaling membranes. M. I. Tuboleva. Elek. i tepl. tsiaga 6 no. 11:20 N '62.
- LOCUSTS** see subdivision under Caucasus, Northern; Sinkiang-Uigur Autonomous region
- LOCUSTS—EXTERMINATION** see subdivision under Afghanistan; Iran; Kazakhstan; Syr-Darya Valley; Turkmenistan
- LOCUSTS—EXTERMINATION—BIBLIOGRAPHY** see Bibliography—Locusts—Extermination
- LODZ PROVINCE—COMMERCE**
Production and territorial structure, and economic relations between the industry of the city of Lodz and Lodz Province. M. N. Golenkov. Vest. Mosk. un. Ser. 5: Geog. 17 no. 4:34-40 Ji-Ag '62.
- LODZ PROVINCE—INDUSTRIES**
Production and territorial structure, and economic relations between the industry of the city of Lodz and Lodz Province. M. N. Golenkov. Vest. Mosk. un. Ser. 5: Geog. 17 no. 4:34-40 Ji-Ag '62.
- LOESS**
(see also subdivision under Uzbekistan)
Loess and red-clay loess as aeolian soil formations. A. S. Kes'. Trudy Kom. chetv. per. 10:101-116 '62.
Loess as a product of a geographical medium. I. I. Kriger. Trudy Kom. chetv. per. 10:117-139 '62.

LOESS—TESTING

Moisture conditions and their effect on the physico-technical properties of loess-type rocks in the Tomsk area. G.A. Sulakhina. *Izv. vys. ucheb. zav.: geol. i razv.* 5 no. 10:101-105 O '62.

LOGIC—PROBLEMS, EXERCISES, ETC.

Logical problems. *Nauka i zhizn'* 20 no. 11:102-103, 103 N '62.

LOGIC, SYMBOLIC AND MATHEMATICAL

Retracing the tracks of disasters in logic. L. Bobrov. *Tekh. mol.* 30 no. 12:14-16 '62.

LOGINOV, ALEKSANDR GERASIMOVICH, 1887-1962

Aleksandr Gerasimovich Loginov; obituary. *Spirt, prom.* 28 no. 8:43-44 '62.

LOKAYATA

"Lokayata: a study in ancient Indian materialism" by D. Chattopadhyaya. Translated from the English. Reviewed by N.P. Anikeev. *Vop. filos.* 17 no. 1:175-180 '63.

LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765

Shodkovich, V.S. [Pioneer of Russian science, M.V. Lomonosov; an account of his life and works on the 250th anniversary of his birth] *Pioner russkoi nauki, M.V. Lomonosov; ocherk o zhizni i delatel'nosti, 250 let so dnya rozhdeniya.* Kishinev, Shtiintsa, 1961. 70 p. (MH)

Smolitski, V.G. Mikhailo Lomonosov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 37 p.

Some information on the works of M.V. Lomonosov in the letters addressed to a Russian diplomat of the 18th century. M.I. Radovskii. *Ist. arkh.* 8 no. 5:219-220 S-O '62.

LONDON—BREWING INDUSTRY—EQUIPMENT AND SUPPLIES

Malt elevator (from "Brauwelt," No. 8/7, 1962). A.I. Fel'dman. *Spirt, prom.* 28 no. 8:37 '62.

LONGEVITY

Khaikin, M. [Conversation on longevity] Razgovor o doloizhii. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1962. 104 p.

LOOMS

Assortment of woolen fabrics and possibilities of their manufacture on looms with plate weft transfer. T.S. Akimov. *Tekst. prom.* 22 no. 12:30-34 D '62.

Portable telescopic lifter for pile warp gaiting of pile fabric looms. P.V. Limanaukas. *Tekst. prom.* 22 no. 12:74-76 D '62.

What type of beating-up mechanisms should be used for the new loom types? V.A. Ornatukina, M.S. Seliverstova. *Tekst. prom.* 22 no. 12:24-26 D '62.

LORENTZ, HENDRIK ANTOON, 1853-1928

The theories of Einstein and Lorentz [with summary in English, p. 183]. P.G. Kard. *Vop. filos.* 17 no. 1:70-80 '63.

LOST AND FOUND

Lost and found. P. Arkhipov. *Grazhd. av.* 10 no. 11:14-15 N '62.

LOUDSPEAKERS

Efrussi, M.M. [Acoustical design of loudspeakers] Akusticheskoe oformleniye gromkogovoritel'. Moskva, Gosenergoizdat, 1962. 46 p. (Massovaya radiobiblioteka, no. 441)
Loudspeakers with flat diaphragms. *Radio* no. 1:64 Ja '63.

LOVOZERO TUNDRAS—APATITE

Apatite group minerals in pegmatites of the Lovozero alkaline massif. E.I. Semenov. *Trudy IMGRE* no. 9: 36-54 '62.

LOVOZERO TUNDRAS—GEOLOGY, STRUCTURAL

Process of the formation of the Lovozero alkaline massif. I.V. Moiseev. *Trudy IMGRE* no. 9:240-247 '62.

LOVOZERO TUNDRAS—METALS, RARE AND MINOR

Characteristics of the distribution of rare elements in contact rocks of the Lovozero Tundras. R.P. Tikhonenkova, I.P. Tikhonenkov. *Trudy IMGRE* no. 9:125-141 '62.

LOVOZERO TUNDRAS—MINERALOGY

Mineralogy of the contact zone in the Lovozero Tundras. I.P. Tikhonenkov, R.P. Tikhonenkova. *Trudy IMGRE* no. 9:33-35 '62.

LOVOZERO TUNDRAS—PEGMATITES

Apatite group minerals in pegmatites of the Lovozero alkaline massif. E.I. Semenov. *Trudy IMGRE* no. 9: 36-54 '62.

LOWER TUNGUSKA VALLEY—ROCKS, SEDIMENTARY

Homology of Koryunchan and Ilmorovo series and the convergence of sedimentary formations. L.D. Miroshnikov. *Trudy VNIGRI* no. 180:244-251 '62.

LUBRICATION AND LUBRICANTS

Makhnovich, A.T. [Workers' handbook on accident prevention when lubricating molds in the production of reinforced concrete elements] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri smazke form pri proizvodstve zhelezobetonnykh izdelii. Moskva, Gosstroizdat, 1962. 19 p. (Tekhnika bezopasnosti v stroitel'stve)

Organization of the use of petroleum products. N. Speransov. *Tekh. v sel'khoz.* 22 no. 11:51-55 N '62.

LUBRICATION AND LUBRICANTS—ELECTRIC PROPERTIES

Effect of the electric field on the rheological properties of nonaqueous plastic disperse systems [with summary in English]. I.U.F. Delnaga, G.V. Vinogradov. *Koif. zhur.* 24 no. 8:567-573 N-D '62.

LUCHIAN, STEFAN, 1888-1916

Benedict, Marin. [Stefan Luchian] Shtefan Luk'ian. Bucharasi, Izd-vo "Meridiany," [1962] 9 p. illus. (Rumynskie khudozheniki)

LUGA—POLITICS AND GOVERNMENT

The days of strenuous work. Leonid Luban. *Sov. deput. trud.* no. 6:81-84 Je '62.

LUGA DISTRICT—ROTIFERA

Rotifers (Rotatoria) of Luga District, Leningrad Province. L.A. Kutikova. *Trudy Zool. inst.* 31:463-492 '62.

LUGA DISTRICT (LENINGRAD PROVINCE)—Q FEVER

Infection of the bedbug (*Cimex lectularius* L.) by Rickettsia burnetti in a Q fever focus. A.B. Daifer. *Trudy Len. inst. epid. i mikrobiol.* 20:89-97 '59.

Study of small mammals in the Luga Q fever focus; preliminary report. N.I. Amosenkova, A.B. Daifer, K.N. Klenov. *Trudy Len. inst. epid. i mikrobiol.* 20: 71-79 '59.

LUGA RIVER—ROTIFERA

Rotifers (Rotatoria) of the genus *Polyarthra* Ehr. of the Luga River in Leningrad Province. L.A. Kutikova. *Trudy Zool. inst.* 31:453-462 '62.

LUGANSK—AIR PILOTS

The seventh charge. F. Skripnik. *Grazhd. av.* 10 no. 11:19-21 N '62.

LUGANSK—LIBEL AND SLANDER—CASES

The seventh charge. F. Skripnik. *Grazhd. av.* 10 no. 11:19-21 N '62.

LUGANSK ECONOMIC REGION—WALLS

Industrial wastes for finishing wall panels. I. Zhilkin, G. Girshtel'. *Zhil. stroit.* no. 1:20-22 '62.

LUGANSK PROVINCE—COAL MINES AND MINING—PRODUCTION STANDARDS

Put norm research work in the service of production. V. Kuznetsov, S. Kupisov. *Sots. trud* 7 no. 4:84-86 Ap '62.

LUGANSK PROVINCE—FARM BUILDINGS

We shall stand the test. A. Kompanisev. *Komsom. zhizn'* no. 14:30-31 Ji '62.

LUMBER

(see also subdivision under United States)

Improve the quality of lumber for delivery. V. Norman-ski. *Les. prom.* 40 no. 12:25-26 D '62.

Use materials economically. A. Timchenko. *Nar. khoz. Kazakh.* 20 no. 10:70-71 O '62.

LUMBER—DRYING

(see also subdivision under Stanislav Economic region)

Automatic control of lumber drying conditions. M.I.A. Brown. *Bum. i der. prom.* no. 4:10-13 O-D '62.

The PRSD-3 programming regulator for automatic programmed regulation of wood drying. *Bum. i der. prom.* no. 4:13 O-D '62.

LUMBER—GRADING

Differential photorelay. A. M. Kiriakov. *Les. prom.* 40 no. 10:5-6 O '62.

LUMBER—STORAGE

New state standard for the storage of round logs. *Sel'. stroit.* 15 no. 4:20 Ap '60.

LUMBER—TRANSPORTATION

(see also subdivision under Krasnoyarsk Territory; Nikol'sk District; Northern Dvina River; Olenino District; Volgograd Province)

Cable-type unloading unit. B. N. Slabina, V. N. Parkhomenko. *Les. prom.* 40 no. 12:28 D '62.

Cranes or winches? S. G. Milov. *Les. prom.* 40 no. 10: 18-19 O '62.

Determining the optimum weight for a truck train. A. I. Pili, I. V. Kiselev. *Les. prom.* 40 no. 12:21-22 D '62.

Developing single-phase and two-phase electric locomotives for the lumbering industry. V.I. Holotnikov. *Trudy TSNIIME* no. 34:25-40 '62.

Doubled cable cranes. A. Red'kin. *Les. prom.* 40 no. 10:7-8 O '62.

Hauling timber directly with skidding and transporting machinery. V. A. Gorbachevskii, P. D. Klychkov. *Les. prom.* 40 no. 11:4-7 N '62.

Logging truck train. I. N. Leksau. *Les. prom.* 40 no. 12:18-20 D '62.

Preparatory and auxiliary work in lumber floating. G. T. Mamaev. *Les. prom.* 40 no. 10:12-13 O '62.

Release of ropes in unloading bundles from the tractor bunk. B. A. Rassudov. *Les. prom.* 40 no. 10:19-20 O '62.

Removal of lumber in tree lengths without the use of trallers. A. Svinostroyin, M. Kerkin. *Sel'. stroit.* no. 12:15 D '62.

Role of mathematical methods in the efficient organization of forest utilization. P. V. Vasil'ev, L. E. Mints. *Les. prom.* 40 no. 10:27-30 O '62.

Self-closing crates. R. V. Razumovskii. *Les. prom.* 40 no. 11:31 N '62.

Transportation and specialization of production. P. E. Titkov, S. I. Kantor. *Les. prom.* 40 no. 11:28-27 N '62.

Truck train transportation of short timber on mountain roads. A. P. Livanov, A. P. Buriak. *Les. prom.* 40 no. 12:20-21 D '62.

LUMBERING

(see also subdivision under Archangel Province; Argai-Yul; Komi A. S. S. R.; Konoasha District; Tomsk Province; Tol'ma District; Ufa Plateau; Ukraine; Vakhitan region; Yugoslavia)

Advantages of the "Kostroma technology." I. Shinev, N. Rozhin. *Les. prom.* 40 no. 12:10-11 D '62.

Brigade foreman as a leading person in lumbering. *Les. prom.* 40 no. 11:1-2 N '62.

Logging trees with roots. T. I. Kishchenko and others. *Les. prom.* 40 no. 10:13-16 O '62.

The most important task of scientific technological societies. V. V. Protanaki. *Les. prom.* 40 no. 10: pp. 2 and 3 of cover O '62.

Organization of mechanized gradual selective fellings. V. P. Borozin, B. M. Zheltov. *Trudy TSNIIME* no. 35: 33-59 '62.

"Technology of lumbering" by A. I. Larionov. Reviewed by A. Reshetov. *Les. prom.* 40 no. 10:32 O '62.

Urgent problems of the economics and organization of lumbering. A. G. Zholudkov. *Trudy TSNIIME* no. 35: 59-80 '62.

We shall carry out fall and winter lumbering in an exemplary way. *Les. prom.* 40 no. 10:2-3 O '62.

We shall follow your example. I. Bykadorov. *Les. prom.* 40 no. 11:8 N '62.

LUMBERING—ACCOUNTING

Krasavin, S. A., and I. A. Ermolinski. [Analysis of the administrative operations of a logging enterprise] Analiz khozraschetov delatel'nosti lesopromkhozha, Moskva, Goslesbumizdat, 1962. 145 p.

LUMBERING—BIBLIOGRAPHY see Bibliography—Lumbering

LUMBERING—COSTS see subdivision under Vakhitan region

LUMBERING—ECONOMIC ASPECTS

(see also subdivision under Gorodishche region, Perm Province)

Operation time and the extent of production of lumbering enterprises. B. I. Pavlov. *Les. prom.* 40 no. 11:28-29 N '62.

LUMBERING—EQUIPMENT AND SUPPLIES

(see also subdivision under Ukraine)

Devices for determining the load of equipment. N. V. Lityshits, I. U. N. Shanaurov. *Les. prom.* 40 no. 11: 8-9 N '62.

LUMBERING—HANDBOOKS, MANUALS, ETC.

[Handbook for the logging enterprise economist] Spravochnik ekonomista lesopromkhozha, Moskva, Goslesbumizdat, 1962. 291 p.

LUMBERING—HYGIENIC ASPECTS see subdivision under Archangel Province; Komi A. S. S. R.

LUMBERING—LABOR PRODUCTIVITY see subdivision under Komi A. S. S. R.

LUMBERING—MACHINERY

(see also subdivision under Konoasha District; Patevitsa region; Sverdlovsk Province)

For a better use of machinery. *Les. prom.* 40 no. 12: 5 D '62.

Khimki. Tsentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. [Central Scientific Research Institute on Mechanization and the Use of Power in Lumbering] Tsentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. [Moskva] 1962. 8 p. [With summary in English]

LUMBERING — MACHINERY (Continued)

- Limbing machine. M. Gur'lanov. Les.prom. 40 no.12:22-24 D '62.
- Pliginskii, A. K.** [Organization of machine repair and equipment assembly at lumbering enterprises] Organizatsiia remonta mashin i montazh oborudovaniia na lesozagotovitel'nykh predpriiatiakh. 2. izd. Moskva, Goslesbuzdat, 1962. 409 p.
- Put in good order the repair service in lumbering camps. L. Driuchenko, P. Ivanov. Les.prom. 40 no.11:12-13 N '62.
- Reconditioning of parts. B. A. Lagunov, A. A. Matveev. Les.prom. 40 no.11:10-11 N '62.
- Repair shops based on the unit method. I. A. Bezuglov. Les.prom. 40 no.11:12 N '62.
- Replenishing practices. V. A. Shilenko. Les.prom. 40 no.11:11 N '62.

LUMBERING—PERIODICALS

- From the readers' conference in Perm. V. I. Uzev. Les.prom. 40 no.12:30 D '62.

LUMBERING—SAFETY MEASURES

- The need for uniform regulations of safety measures. F. I. Lisichkin. Les.prom. 40 no.10:23 O '62.
- Visual methods in the propaganda of safety measures. V. G. Mozdul. Les.prom. 40 no.10:22 O '62.

LUMBERMEN see subdivision under Archangel Province

LUMINESCENCE

- Association nature of the concentration quenching of the luminescence of Na-fluorescein in aqueous and glycerin solutions. V. L. Lavshin, L. V. Krotova. Opt. i spekt. 13 no.6:800-816 '62.
- Near-the-electrode luminescence in an electrolytic cell. V. V. Mikho. Izv. vys. ucheb. zav.; fiz. no.6:90-104 '62.
- Relation between the quenching rate and the luminescence yield under strong excitation. M. V. Fok, S. A. Fridman. Opt. i spekt. 13 no.6:859-871 '62.
- Separation of active and nonactive absorption in the long-wave excitation region of luminescence. I. U. T. Mazurenko, Opt. i spekt. 13 no.6:854-856 '62.

LUMINESCENT SUBSTANCES

- Toxicology of zinc luminophors. Z. M. Kamal'dinova. Tekh. nov. prom. khim. veshch. no.4:125-127 '62.

LUNAR ECLIPSES see Eclipses, Lunar

LUNGS

- Serova, E. V.** [Surgical anatomy of the lungs] Khirurgicheskaiia anatomia legkikh. Moskva, Medgiz, 1962. 144 p. (DNLM)

LUNGS—DISEASES

- Changes in the ballistocardiogram of patients suffering from chronic pulmonary and cardiopulmonary insufficiency [with summary in English]. M. N. Malova. Vop. kard. 2-go MGMI no.2:197-208 '62.
- Electrokymogram of patients suffering from chronic pulmonary and cardiopulmonary insufficiency [with summary in English]. I. U. I. Akimov, M. N. Malova, L. L. Orlov. Vop.kard. 2-go MGMI no.2:129-136 '62.

LUNGS—DUST DISEASES

- Functional state of the liver in pneumoconiosis. L. I. Ariseva. Zdrav.Kazakh. 22 no.7:21-23 '62.
- Khaitova, I. A., and L. P. Shevelov.** [Physical education in the prevention and treatment of pneumoconiosis] Fizicheskaia kul'tura v profilaktike i lechenii pnevmo-konkiozov. Moskva, Medgiz, 1962. 24 p. (Nauchno-populiarnaiia meditsinskaiia literatura) (DNLM)
- Relation of some blood indices to the state of the lungs in silicosis and anthracosilicosis. E. M. Vinark. Zdrav.Kazakh. 22 no.7:24-28 '62.

LUNGS—SURGERY

- Belkin, V. R., and N. S. Gorkin.** [Apparatus for suturing elements of the root of the lung (UKL-60 and UKL-40)] Apparaty dlia ushlyvaniia elementov kornia legkogo (UKL-60 i UKL-40). Moskva, Medgiz, 1962. 49 p. (Biblioteka prakticheskogo vracha) (DNLM)
- Gorovenko, G. G.** [Pulmonary resections following ineffective collapse therapy] Rezektsii legkikh posle neefektivnoi kollapsoterapii. Kiev, Gosmedizdat, USSR, 1962. 277 p. (DNLM)

LUNGWORMS see subdivision under Kol'badzhar District

LUPINE

- Aftereffects of the aftermath of forage lupine on the yield of winter rye, potatoes, and flax. K. M. Ostlevskaia. Nauk.pratst asp. UASHN no.5:62-65 '60.
- Biological characteristics of the development of the lupine root system. I. K. Baranov. Shor.stud.nauch.-issl.rab. TSKHA no.11:208-212 '62.

LUPINE—FERTILIZERS AND MANURES

- Supplementary fertilizers for forage lupine during various stages of organogenesis [with summaries in English, German, and French]. A. I. Zhukov. Vest. sel'khoz.nauki 7 no.5:33-35 My '62.

LUTIDINE

- Synthesis of polymers on the basis of 2,6-lutidine and aromatic dialdehydes [with summary in English]. G. I. Kudr'tavtsev, E. A. Vasil'eva-Sokolova, T. S. Mazel. Vysokom.sood. 5 no.1:151-152 Ja '63.

LUTSK—AUTOMOBILES—SOCIETIES, ETC.

- Defective business accounting. G. Zinger. Za rui. 21 no.1:27 Ja '63.

LUTSKII, VLADIMIR BORISOVICH, 1906-1962

- Vladimir Borisovich Lutskii, 1906-1962; an obituary. Az. i Afr. seg. no.1:63 Ja '63.

LUZHNSKI—AUTOMOBILE RACING

- Festival in Luzhnski. Za bezop.dvizh. 5 no.12:16 D '62.

L'VOV—FURNITURE INDUSTRY

- Manufacture of new furniture types in the enterprises of "Karpats" furniture firm in Lvov. L. I. A. Kol'ker. Bum.i der.prom. no.4:28-31 O-D '62.
- Shop flowsheets of the "Karpats" Furniture Factory in Lvov. L. I. A. Kol'ker. Der.prom. 11 no.12:21-22 D '62.

L'VOV—PETROLEUM—REFINING

- Production of the KhF-12 freon oil from Anastes'yevka petroleum. V. T. Skilar and others. Nauch.zap. Ukraiiproekta no.8:45-57 '62.

L'VOV—PHOTOGRAPHY—SOCIETIES, ETC.

- Being demanding toward oneself is the basis of creativeness. Sov. foto 22 no.12:40 D '62.

L'VOV—RESTAURANT MANAGEMENT

- New method of supply organization. B. Mel'nik. Obshchestv.pit. no.11:18-19 N '62.

L'VOV ECONOMIC REGION—SHOE INDUSTRY

- The first Soviet firm. V. Arkhipenko. Polit.samoobr. 8 no.11:80-84 N '62.

L'VOV PROVINCE—ADMINISTRATIVE AND POLITICAL DIVISIONS

- [Reference book on the administrative and territorial divisions of Lvov Province as of September 1, 1960] Dovidnyi administrativno-terytorial'noho podilu L'viv's'kol oblasti na 1 veresnia 1960 r. L'viv, Knyzhkovozhurnal'ne vyd-vo, 1960. 131 p.

L'VOV PROVINCE—AUTHORS AND READERS

- Poets are meeting readers. V. Smolnikov. Komsom. zhizn' no.19:14-15 O '62.

L'VOV PROVINCE—BIBLIOGRAPHY

- [Socialist Lvov Province in 1957; a bibliographical index (no. 6)] Sotsialistychna L'vivshchyna 1957 r.; a bibliografichnyi pokaznychik (vypusk 6). L'viv, L'vivska biblioteka Akad. nauk URSR, 1960. 330 p.

L'VOV PROVINCE—CONSTRUCTION INDUSTRY

- Building development of the cities and villages of Lvov Province. A. Shullar. Stroi. i arkh. 10 no.12:16-18 D '62.

L'VOV PROVINCE—COOPERATIVE SOCIETIES

- Potentialities of the better use of fixed assets. D. Shevchenko. Sov.torg. 36 no.11:53-54 N '62.

L'VOV PROVINCE—CRUSHED STONE INDUSTRY—LABOR PRODUCTIVITY

- A progressive collective. M. N. Provadina. Put' i put. khoz. 6 no.11:11-13 '62.

L'VOV PROVINCE—SHEEP

- Most yield of hybrid sheep (French Merino x coarse-wool). M. M. Potul'nyts'kyl. Nauk.pratst asp. UASHN no.5:178-183 '60.

L'VOV PROVINCE—SPRUCE

- Planting spruce without soil tillage in fresh cutovers in the mountain forest working circles of Lvov Province. M. I. Onys'kiv. Nauk.pratst asp. UASHN no.5:107-111 '60.

L'VOV PROVINCE—TECHNOLOGICAL INNOVATIONS

- When community undertakes the business. M. Bun'ko. NTO 4 no.12:9 D '62.

L'VOV UNIVERSITY—RESEARCH

- Published works of the professors, instructors and contributors of the Lvov University for 1944-1960; bibliography. Reviewed by I. I. Braslavskii. Vest. vys.shkoly 20 no.12:87 D '62.

LYCOPENE

- On lycopene as the probable predecessor of other carotenoids. E. N. Godnev, R. M. Rotfarb. Dokl. AN SSSR 147 no.4:862-863 D '62.

LYMPHADENOMA see Hodgkin's Disease

LYMPHATICS

- Morphology of cardiac lymphatic glands in cases of cardiac infarction. S. Il'inakli. Izv. AN Latv. SSR no.10:99-105 '62.

LYMPHOID TISSUE

- Reaction of the adrenal cortex and lymphoid organs to extreme stimulation under conditions of cerebral cortex excitation [with summary in English]. N. S. Demidenko. Trudy Ukr.nauch.-issl.inst.ekspert. endok. 18:213-227 '61.
- Reaction of the adrenal cortex and lymphoid organs to strong stimulation of the central nervous system. O. A. Serdiukova. Trudy Ukr.nauch.-issl.inst.ekspert. endok. 18:228-230 '61.

LYTVYNENKO, SERHII, 1899-

- Hordyna'kyl, Sviatoslav, ed.** [Serhii Lytvynenko, the sculptor] Serhii Lytvynenko, skul'ptor. New York, Knyhosilka, 1956. 36 p. plates (NNC)

LYUBLINO—MOTORTRUCKS—MAINTENANCE AND REPAIR

- Innovators explore potentials. N. N. Kholmanskikh. Transp.stroi. 12 no.12:9 D '62.

MACARONI

- Method of determining the economic efficiency of worm presses in the manufacture of macaroni. M. N. Karavaev. Khleb. i kond.prom. 6 no.12:10-14 D '62.
- Twenty-fifth anniversary of the Central Scientific Research Laboratory of the Macaroni Industry. E. S. Poliakov. Khleb. i kond.prom. 6 no.12:14-16 D '62.

MACHINE ACCOUNTING

- Centralized machine accounting in an urban trade administration. I. U. Brodskii. Bukhg.uchet 19 no.12:52-56 D '62.
- Mechanization of accounting for agricultural production; based on materials of the "Otradnoe" Training Station. G. D. Nikitichkin, S. M. Rifkind. Dokl. TSKHA no.75:283-286 '62.
- Mechanizing accounting for materials and payments to suppliers. V. Grinets. Bukhg.uchet 19 no.12:47-50 D '62.
- Mechanizing accounting for wages and materials. K. Gaidabas. Bukhg.uchet 19 no.12:44-47 D '62.
- Reorganization of balance sheet and industrial branch reports. N. Khlynov. Den. i kred. 20 no.12:23-31 D '62.
- "Soluzmashuchet," Moscow. [Articles on the mechanized processing of statistical data at machine-accounting centers] Shornik statet o mekhanizirovannoi razrabotke statisticheskikh dannykh na mashinoshchetnykh stn-tsiakh. Moskva, Gos. stat. izd-vo, 1959. 201 p. (NNC)
- Tasks and prospects for the development of accounting and control in the State Bank. S. Pleshakov. Den. i kred. 20 no.11:3-12 N '62.

MACHINE ACCOUNTING—BIBLIOGRAPHY see Bibliography—Machine accounting

MACHINE ACCOUNTING—CONGRESSES

- The All-Union conference on the mechanization of accounting and statistics based on new calculating machines. N. Shchedrin. Bluz.nauch.inform. i trud i zar.plata 5 no.4:44-49 '62.

MACHINE MOLDING (FOUNDING)

- Role of the destruction of the front of crystals growing from semimold walls in pressure casting during the process of the formation of thin-walled panel castings. G. F. Balandin, E. G. Gini. Izv. vys. ucheb. zav. mashinostr. no.7:132-138 '62.

MACHINE-SHOP PRACTICE—PRODUCTION STANDARDS

- Establishing consolidated norms for assembly work. V. Vol'skii, P. Abram. Sots. trud 7 no.4:87-94 Ap '62.

MACHINE-TOOL INDUSTRY see subdivision under Brno; Lithuania; Ryazan; Vilnius; White Russia

MACHINE-TOOL INDUSTRY—LABOR PRODUCTIVITY

- Analyzing factors in the growth of labor productivity in machine tool manufacturing. K. Petkevich. Vest. stat. no.12:26-34 '62.

MACHINE-TOOL INDUSTRY—SAFETY MEASURES see subdivision under Tiflis

MACHINE TOOLS

- Automatic centering machines. A. L. Khodorkovskii. Avi.prom. 28 no.12:35 D '62.
- Automatic machine for countersinking chamfers. B. L. Smolenskii, I. L. Gaspardchuk, M. A. Rokhlenko. Mashinostroitel' no.12:7 D '62.
- Design, manufacture and use of unit-head machine tools. I. I. Andreev. Stroi. i dor.mash. 7 no.11:32-33 N '62.

MACHINE TOOLS (Continued)

Machine for removing chamfers and burrs from pinions by means of a special shaver. P. Sh. Gekht, V. N. Golod, Mashinostroenie no. 5:28-31 S-O '62.
New machine tools. Stan. i Instr. 33 no. 12:37-38 D '62.
A universal machine tool for repairing cylinder caps of the D50 diesel engine. I. P. Levin. Elek. i tepl. tizh. 6 no. 11:14-15 N '62.

MACHINE TOOLS—BIBLIOGRAPHY see Bibliography—Machine tools

MACHINE TOOLS—ELECTRIC DRIVING

Improving the reliability of electric equipment of heavy machine tools. I. A. S. Brovman, A. M. Tuv. Stan. i Instr. 33 no. 12:3-7 D '62.

MACHINE TOOLS—NUMERICAL CONTROL

Comparison of the programming of some interpolators. V. V. Zhurko. Sbor. rab. po vop. elektromekh. no. 7: 242-250 '62.

Construction of program control systems for machine tools. M. B. Ignat'ev. Sbor. rab. po vop. elektromekh. no. 7:228-242 '62.

Digital device for programming the machining of sections of simplest surfaces. V. A. Parshinukh. Sbor. rab. po vop. elektromekh. no. 7:250-261 '62.

Evaluation of the reliability of a surface interpolator. V. V. Mikhailov. Sbor. rab. po vop. elektromekh. no. 7: 261-269 '62.

Operating conditions of output cascades of the PRS-1-58 desk and the BU-1-60 block used in program control of machine tools. I. A. U. Voinitskii, M. A. Libsa. Stan. i Instr. 33 no. 12:24-25 D '62.

Photoelectric servosystems for program controlled machining of plane parts. I. U. A. Sablin, O. V. Popov. Sbor. rab. po vop. elektromekh. no. 7:210-227 '62.

MACHINE TOOLS—VIBRATION

Forced vibrations of hydraulic power heads of automatic lines. V. N. Poduraev, M. I. A. Marov. Izv. vuz. ucheb. zav. mashinost. no. 7:14-28 '62.

MACHINE TRANSLATING

Formal analysis of passive constructions in the Russian language. S. E. Nikitina. Mash. perev. i prikl. ling. no. 8:89-108 '61.

Kiev, Univoryet. [Applied linguistics and machine translation] Prikladnaya lingvistika i mashinnyi perevod. Kiev, 1962. 124 p.

[MICROFILM]

Method of accomplishing synthesis of the sentence in machine translation on the basis of syntagmatic analysis. Ch. A. Khear. Mash. perev. i prikl. ling. no. 8: 80-88 '61.

On a machine language for geometry and translation algorithms from Russian into this language (conclusion). A. V. Kuznetsov, E. V. Paduchova, N. M. Ermonieva. Mash. perev. i prikl. ling. no. 8:9-18 '61.

Some problems of mathematical linguistics in connection with machine translation. G. P. Bagrinovskaya and others. Mash. perev. i prikl. ling. no. 8:19-38 '61.

MACHINERY

Machinery and beauty. R. Povileiko. V mire knig 2 no. 12:14 D '62.

Sulfide coating as a method for increasing the seizure-resisting properties and wear resistance of machine parts. F. I. Solov'ev. Sbor. stud. nauch. -issl. rab. TSRIIA no. 11:367-373 '62.

MACHINERY—DESIGN AND CONSTRUCTION

Khukhranskii, P. N. [Using compressed wood in the manufacture of machine parts] Opyt primeneniya pressovannoi drevesiny dlia izgotovleniia detalei mashin. Moskva, Gos. nauchno-issl. in-t nauchn. i tekhn. informatsii, 1962. 94 p. (Peredovoi nauchno-tekhnicheskii i proizvoditel'nyi opyt)

[MICROFILM]

New materials used in friction units of machinery. F. P. Snegovskii, N. P. Potapkin, V. P. Svlstunova. Vest. mashinost. 42 no. 12:36-37 D '62.

Progressive series of machine parts and units. M. E. Rakovskii. Vest. mashinost. 42 no. 12:3-6 D '62.

Selecting the optimum radius for a hollow chamfer for parts with re-entering angle components. V. V. Vasil'ev. Izv. vuz. ucheb. zav. mashinost. no. 7:66-68 '62.

MACHINERY—DRAWING

Men'shikov, N. S. [Technical sketching of machine parts] S'emka eskizov s detalei mashin. Moskva, Mashgiz, 1962. 123 p.

MACHINERY—FOUNDATIONS

Decreasing the vibration of the floor. A. N. Maksimov. Prom. stroit. no. 10:43-44 '62.

Lukotsev, A. A. [Efficient methods for installing machines on a foundation] Ratsional'nye sposoby ustanovki mashin na fundament. Izd. 2. Moskva, Mashgiz, 1962. 53 p. (Biblioteka stesaria-montazhnika, no. 1)

MACHINERY—MAINTENANCE AND REPAIR see subdivision under Kazakhstan; Pyatigorak

MACHINERY—PRICES

New machinery and prices. D. L'vov. Plan. khoz. 40 no. 1:30-38 Ja '63.

MACHINERY—TESTING

Equipment for the test reading of static mechanical characteristics of micromachines. V. A. Shubenko, V. M. Kirpichnikov. Trudy Ural. politekh. inst. no. 119: 116-122 '62.

MACHINERY—WELDING

Manipulator for welding machine-assembly housings. M. I. U. Pastylnik. Svar. proizv. no. 7:28-29 Ji '62.

MACHINERY, AUTOMATIC

Automatic lines for stamping ball-bearing rings. G. A. Brudnoi. Btut. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:32-34 '62.

The IL108 (a, b, v) automatic lines for machining centrifuge chambers and ducts of an oil conduit. E. S. Shukhina. Btut. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:35-38 '62.

MACHINERY, KINEMATICS OF

Effect of mill kinematics on force parameters. I. U. F. Shevakin, S. A. Naumov. Sbor. Inst. stal i splav. no. 40:422-430 '62.

Investigating the kinematics of the plug rolling process. P. I. Polukhin and others. Sbor. Inst. stal i splav. no. 40:315-318 '62.

MACHINERY INDUSTRY

(see also subdivision under Bryansk; Chelyabinsk; Kamarka; Kazakhstan; Kiev; Kramatorsk; Leningrad; Lithuania; Moscow; Rostov Province; Sverdlovsk; White Russia)

Industrial specialization and cooperation in the U.S.S.R. S. I. Ilin. Polit. samozh. 6 no. 11:23-31 N '62.

Mechanization in piece-freight storage rooms of machinery plants. M. A. Prochazhenskii. Mekh. i avtom. proizv. 16 no. 12:25-29 D '62.

Monographic work in three volumes of the automation of production processes in the machinery industry. Mekh. i avtom. proizv. 16 no. 12:57 D '62.

On the question of quantitative evaluation of the effectiveness of concentration in the machinery industry. L. Gamrat-Kurek. Izv. AN Latv. SSR no. 8:33-43 '62.

Over-all mechanization of materials handling in machinery plants. P. I. Danilin. Btut. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12: 87-88 '62.

Save labor on transportation work in machinery manufacturing. Sois. trud 7 no. 4:42-56 Ap '62.

MACHINERY INDUSTRY—ACCOUNTING

Accounting for norm changes in machinery manufacturing enterprises. P. Frizen. Bukhg. uch. 19 no. 12: 15-17 D '62.

Mechanizing accounting for materials and payments to suppliers. V. Grinets. Bukhg. uch. 19 no. 12:47-50 D '62.

MACHINERY INDUSTRY—COSTS

Distribution of overhead costs in machinery manufacturing. P. Shatalov. Bukhg. uch. 19 no. 12:11-14 D '62.

Our practice in applying the index of standard manufacturing costs. I. U. Krotov. Plan. khoz. 40 no. 2:59-63 F '63.

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Control of machinery industry equipment by plastic cards. A. A. Shturman. Plast. massy no. 12:87-88 '62.

MACHINERY INDUSTRY—FINANCE

(see also subdivision under Moscow; Rostov Province) Credit aids the increase of industrial productive capacity. A. Kolosov, E. Utkin. Den. i kred. 20 no. 12:17-22 D '62.

Dependence of the time in which additional capital expenditures pay for themselves from the productivity of equipment. V. G. Chirkov. Mashinostroenie no. 5:101-105 S-O '62.

MACHINERY INDUSTRY—HYGIENIC ASPECTS

(see also subdivision under Kiev) "Safety measures in the machinery industry" by M. L. Shevlev. Reviewed by D. P. Lavrov. Sred. spets. obr. 10 no. 1:58-60 Ja '63.

MACHINERY INDUSTRY—LABOR PRODUCTIVITY

Effect of callisthenics on the labor productivity of machine-tool operators of the metal industries. V. M. Nikulin. Teor. i prak. fiz. kul'. 25 no. 11:48-52 N '62.

MACHINERY INDUSTRY—MANAGEMENT

(see also subdivision under Orel)

Kalinin, P. E. [Economics and production organization in heat-treatment workshops] Ekonomika i organizatsiia proizvodstva v termicheskikh tsakhakh. Moskva, Mashgiz, 1962. 111 p.

MACHINERY INDUSTRY—PRODUCTION STANDARDS

Increasing the role of volunteers in organizing the establishment of technical standards and work norms. Sois. trud 7 no. 4:104-110 Ap '62.

Tulenev, N. K. [Work organization in a brigade of communist labor] Organizatsiia raboty v brigade kommunisticheskogo truda. Moskva, Mashgiz, 1961. 18 p. (Biblioteka rabochego-mashinostroiella. Seriya: Peredovaya tekhnika - osnova kommunisticheskogo truda, no. 12)

Work more actively to eliminate shortcomings in establishing work norms in machinery manufacturing enterprises. P. Parfenov, M. Shor. Sois. trud 7 no. 4:76-83 Ap '62.

MACHINERY INDUSTRY—STANDARDS

Standardization of the production of the machinery and instrument industries of the Moscow Province Economic Council. L. V. Gellert. Btut. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12: 71-72 '62.

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Sverdlovsk) Technological progress in industrial administration. A. Bondarenko. Plan. khoz. 40 no. 2:64-68 F '63.

MACHINERY INDUSTRY WORKERS

Strengthening the unity and determination to act. Glucomo Adducci. Vsem. prof. dvizh. no. 12:37-41 D '62.

MACROMOLECULAR COMPOUNDS

Effect of ultraviolet radiation on the colloidal solutions of macromolecular compounds. E. M. Nanobashvili, I. G. Bakhtadze. Trudy inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:137-142 '62.

Preparation of macromolecular herbicides [with summary in English]. Z. Volkober, I. S. Varga. Vysokom. soed. 5 no. 1:139-144 Ja '63.

Processes and interaction products of macromolecular compounds with inorganic salts. Part 1: Formation of complexes of polyacrolein with uranyl nitrate. I. V. Andreeva, P. F. Andreev, E. M. Rogozina. Radiokhimiia 4 no. 6:660-667 '62.

MACROMOLECULAR COMPOUNDS—CONGRESSES

Eighth Conference on Macromolecular Compounds. E. M. Elzenstein, A. A. Rogovina. Khim. volok. no. 5:75-77 '62.

MAGADAN—COMMERCE

Centralized machine accounting in an urban trade administration. I. U. Brodskii. Bukhg. uch. 19 no. 12: 52-56 D '62.

MAGADAN PROVINCE—MOTION-PICTURE AUDIENCES

Measures have been taken, but... Isk. kino no. 10:81 O '62.

MAGNESIUM

Effect of magnesium on the chilling of cast iron. A. A. Zhukov, G. F. Fokin. Izv. vuz. ucheb. zav. mashinost. no. 7:140-148 '62.

Variation of the mass transfer coefficient during the condensation of magnesium vapors from a mixture with helium. I. V. Frishberg, A. S. Mikhail'skii. Dokl. AN SSSR 147 no. 4:890-898 D '62.

MAGNESIUM—ELECTROMETALLURGY

Effect of certain factors on sludge formation in magnesium electrolytic cells. Kh. L. Strelots, N. V. Bondarenko. TSvet. met. 35 no. 9:56-61 S '62.

MAGNESIUM ORGANIC COMPOUNDS

Sterically hindered phenols. Report No. 13: Reaction of 2,6-di-tert-butylbenzoquinone with organomagnesium compounds. V. V. Ershov, G. N. Bogdanov, A. A. Volod'kin. Izv. AN SSSR, Otd. khim. nauk no. 1:157-161 '63.

MAGNESIUM SALTS

Adsorption in the system Fe₂O₃ - H₂O - MgSO₄ - MgCl₂ [with summary in English]. P. S. Moleshko. Koll. zhuf. 24 no. 8:721-723 N-D '62.

MAGNESIUM SILICIDES

Preparation of magnesium silicide and silicohydride. N. A. Laroshchuk. Khim. v shkole 17 no. 6:68 N-D '62.

MAGNETIC AMPLIFIERS

Performance of multistage magnetic amplifiers in case of changes in supply voltage and temperature of surrounding medium. N. V. Nikitin. Trudy inst. Kom., stand., mer i izm. prib. no. 59:50-57 '62.

Series of output-type a.c. magnetic amplifiers for contactless control systems. G. N. Derim-Oglu, A. L. Pisarev. Vest. elektroprom. 34 no. 1:26-31 Ja '63.

MAGNETIC ANOMALIES—CLASSIFICATION

Classification of magnetic and gravity anomalies [in Georgian with summary in Russian]. M. S. Abakelia. Trudy inst. geofiz. AN Gruz. SSR 20:4-11 '62.

MAGNETIC CIRCUITS

- Analytical expression of a demagnetization curve of permanent magnets. I. Z. Kalmykov. Vest. elektroprom. 34 no. 1:71-73 Ja '63.
- Calculation of the inductance of the rotor circuit of a noncompensated d.c. machine with consideration of the saturation of the toothed zone. V. V. Fetisov. Izv. vys. ucheb. zav.; elektromekh. 5 no. 11:1247-1258 '62.
- Use of computer devices in the harmonic analysis of flux and e.m.f. of a synchronous machine. E. I. Anishchenko, V. M. Kirpichnikov, N. S. Slonov. Izv. vys. ucheb. zav.; elektromekh. 5 no. 9:985-993 '62.

MAGNETIC FIELDS

- (see also subdivision under Red Sea)
- Acceleration and energy build-up of a magnetic flux [with summary in German]. V. Serv. Izv. AN Est. SSR, Ser. fiz.-mat. i tekhn. nauk 11 no. 4:263-271 '62.
- Charged particle fluxes in an electromagnetic field. I. P. Pyt'ev. Zhur. vych. mat. i mat. fiz. 2 no. 5:850-857 S-O '62.
- Chernyshev, E. T., N. G. Chernysheva, and E. N. Chernina. [Magnetic measurements using alternating and direct currents] Magnitnye izmereniya na postolannom i peremennom toke. Moskva, Standartgiz, 1962. 183 p.
- Conductivity of plasma media in the presence of a drift [with summary in English]. V. I. Pustovoi. Zhur. eksp. i teor. fiz. 43 no. 6:2281-2289 D '62.
- Effect of a magnetic field on the chemical and electrochemical solution of ferrochromium in hydrochloric acid. S. N. Baamanova. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:117-128 '62.
- Effect of a magnetic field on the propagation of plane and cylindrical shock waves. V. P. Korobelnikov, E. V. Ryzanov. PMTF no. 4:47-51 Ji-Ag '62.
- Effect of crystallographic anisotropy on the parametric excitation of spin waves in ferrite single crystals. G. A. Petrakovskii. Izv. vys. ucheb. zav.; fiz. no. 6: 29-37 '62.
- The experimental plasma apparatus C-1 with screw magnetic fields. I. P. Afonin and others. Atom. energ. 14 no. 2:143-150 F '63.
- Factors determining the strength of attraction of the magnetic rollers of drafters. A. G. Sevost'yanov. Tekst. prom. 22 no. 12:8-13 D '62.
- Hall coefficient as dependent on the magnetic intensity in InSb crystals doped with Se. V. V. Galavanov, N. L. Karaseva. Fiz. tver. tela 5 no. 1:36-40 Ja '63.
- Magnetic field. Nauka i zhizn' 29 no. 11:108 N '62.
- Mechanism of self-excitation of a field by a conducting fluid flow. V. M. Kuznetsov. Inzh. zhur. 2 no. 4:217-226 '62.
- Negative photoconductivity of germanium in a magnetic field. E. A. Zavadskii, I. U. T. Kovrizhnykh, I. G. Fakidov. Fiz. tver. tela 5 no. 1:194-200 Ja '63.
- Nonequilibrium electron and phonon systems in an external magnetic field [with summary in English]. P. S. Zyrjanov, G. G. Taluts. Zhur. eksp. i teor. fiz. 43 no. 6:2136-2142 D '62.
- Open cross sections of Fermi surfaces of cadmium, zinc, and thallium [with summary in English]. Zhur. eksp. i teor. fiz. 43 no. 6:2004-2104 D '62.
- Plasma diffusion in a magnetic field caused by Coulomb collisions. S. G. Alkhayev, V. E. Zakharov, G. L. Korsanov. Atom. energ. 14 no. 2:137-142 F '63.
- Propagation of plane elastic waves in an infinite medium situated in a magnetic field. N. I. Dolbin. PMTF no. 5: 146-147 S-O '62.
- Relativistic hydrodynamics of a plasma in a magnetic field. G. M. Zaslavskii. PMTF no. 5:42-47 S-O '62.
- Stability of a plane layer of an ideally conducting viscous fluid in a longitudinal magnetic field. G. A. Glonti. Izv. vys. ucheb. zav.; fiz. no. 8:169-170 '62.
- Stability of ionic longitudinal plasma oscillations in a magnetic field. V. N. Orlovskii. PMTF no. 5:39-41 S-O '62.
- Study of magnetic and electric fields in a gaseous medium with the aid of electron beams. A. M. Trokhman. PMTF no. 4:90-94 Ji-Ag '62.
- Studying the diffusion of charge carriers in ionized gases by the diffusion wave method [with summary in English]. V. S. Golubev. Zhur. eksp. i teor. fiz. 43 no. 6:1985-1990 D '62.
- A weakly turbulent plasma in a magnetic field [with summary in English]. B. B. Kadomtsev, V. I. Pavlovskii. Zhur. eksp. i teor. fiz. 43 no. 6:2234-2244 D '62.

MAGNETIC FIELDS—PHYSIOLOGICAL EFFECT

- Effect of a constant magnetic field on conditioned reflexes in sea fishes. I. U. A. Kholodov, G. L. Verovkina. Trudy Belomor. biol. sta. MGU 1:248-255 '62.

MAGNETIC INSTRUMENTS

- Design of a ferromagnetic probe. L. M. Kogan. Priboirostroenie no. 12:6-9 D '62.

MAGNETIC MATERIALS

- On some galvanomagnetic and thermomagnetic effects in antiferromagnetics [with summary in English]. E. A. Turon, V. G. Shavrov. Zhur. eksp. i teor. fiz. 43 no. 6: 2273-2276 D '62.

- Study of the low-frequency spectrum of magnetic noise. N. N. Kolachevskii, V. V. Rozhdestvenskii. Radiotekh. i elektron. 8 no. 1:53-56 Ja '63.

MAGNETIC MATERIALS—BIBLIOGRAPHY see Bibliography—Magnetic materials

MAGNETIC MEASUREMENTS

- Chernyshev, E. T., N. G. Chernysheva, and E. N. Chernina. [Magnetic measurements using alternating and direct currents] Magnitnye izmereniya na postolannom i peremennom toke. Moskva, Standartgiz, 1962. 183 p.
- A method for measuring magnetic susceptibility [with summary in English]. M. P. Havaleshko. Ukr. fiz. zhur. 7 no. 10:1068-1078 O '62.
- Theoretical principles of the derivation of a scale with given characteristics in electromagnetic measuring devices with round coils. A. Zhukhovskii. Izv. vys. ucheb. zav.; elektromekh. 5 no. 8:1014-1023 '62.

MAGNETIC PROSPECTING

- Dot charts for the interpretation of the generation of a magnetic field. L. L. Van'tan, G. M. Morozova. Dokl. AN SSSR 147 no. 6:1359-1360 D '62.

MAGNETIC RECORDERS AND RECORDING

- Can we use tape recorders in pretrial investigation? L. Karneeva. Sots. zakon. 40 no. 1:52 Ja '63.
- The "Kometa" magnetic tape recorder. L. Tsyganova. Radio no. 1:39-43 Ja '63.

MAGNETIC SEPARATION OF ORES

- Titanium slags free from chromium oxide obtained from chromium-bearing iron-titanium concentrates. V. A. Reznichenko, V. I. Solov'ev. Titan i ego splavy no. 8:22-27 '62.

MAGNETIC STORMS

- (see also subdivision under Arctic regions)
- Anomalous absorption in the polar cap. G. M. Khechola. Geomag. i aer. 2 no. 6:1095-1102 N-D '62.
- Diurnal variation in the probability of the occurrence of the beginnings, active periods, and ends of magnetic storms. V. M. Mikhlin, N. I. A. Naidenova, M. L. Platonov. Geomag. i aer. 2 no. 6:1107-1112 N-D '62.
- Middle latitude Lpc during geomagnetic storms. I. I. Rokitsanskii. Geomag. i aer. 2 no. 6:1147-1148 N-D '62.
- Study of the microstructure of baylike disturbances. C. P. Berishvili, N. S. Khedidze, I. A. M. Gogitashvili. Trudy Inst. geofiz. AN Gruz. SSR 20:13-18 '62.

MAGNETIC TESTING

- Developing a magnetographic method of weld joint quality control. A. S. Fal'kevich, M. Kh. Khusanov. Svar. proizv. no. 7:25-28 Ji '62.
- Ferrromagnetic probe detection of fine surface cracks in steel rods and pipes. N. N. Zetsepin. Zav. lab. 28 no. 12:1465-1468 '62.
- Utilization of residual magnetic fields. S. S. Utekhin. Put' i put. khoz. 6 no. 12:26-28 '62.

MAGNETISM—EXPERIMENTS

- Experiments on the subject "Inductiveness and capacitance of a n.c. circuit." A. Kvantau. Nar. osv. no. 12: 28-34 D '62.

MAGNETISM, TERRESTRIAL

- Distribution of magnetic densities in the earth. V. I. Pochtarev. Geomag. i aer. 2 no. 6:1128-1130 N-D '62.
- Magnetic activity in the geomagnetic poles during the IGY. L. A. Udovich. Geomag. i aer. 2 no. 6:1113-1121 N-D '62.
- Some results of measuring the constant magnetic field of the earth over the U. S. S. R. from the third artificial satellite. Sh. Sh. Dolginov and others. Geomag. i aer. 2 no. 6:1081-1076 N-D '62.
- Some results of studying the pulsations of a geomagnetic field. M. Z. Nodia, G. P. Berishvili, N. A. Katsia-shvili. Trudy Inst. geofiz. AN Gruz. SSR 20:18-25 '62.

MAGNETIZATION

- Equations of motion describing the magnetization intensity in deformed anisotropic media [with summary in English]. K. B. Vlasov. Zhur. eksp. i teor. fiz. 43 no. 6:2128-2135 D '62.

MAGNETOHYDRODYNAMICS

- Emission of low-frequency waves by ions and electrons in a magnetoactive plasma [with summary in English]. V. I. Pakhomov, K. N. Stepanov. Zhur. eksp. i teor. fiz. 43 no. 6:2153-2165 D '62.
- Evolutional magnetohydrodynamic flows. K. P. Cherkasova. PMTF no. 5:144-145 S-O '62.
- Joule dissipation in the channel of a magnetohydrodynamic generator. A. B. Votzhin. PMTF no. 5:50-59 S-O '62.
- Magnetohydrodynamic boundary layer in a medium of anisotropic conductivity at low magnetic Reynolds numbers. G. A. Lubimov. Prikl. mat. i mekh. 26 no. 6:1077-1086 N-D '62.

- On the derivation of equations of anisotropic magnetohydrodynamics. V. B. Baranov. Prikl. mat. i mekh. 26 no. 6:1092-1093 N-D '62.

- Power generation from a plasma flowing in a pipe. E. I. Andriankin. PMTF no. 2:7-13 Mr-Ap '62.
- Problem concerning the optimization of the operation of magnetohydrodynamic generators. A. E. Sheindlin and others. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:34-38 N-D '62.

- Properties of plane and axisymmetric steady flows in magnetohydrodynamics. I. U. P. Ladikov. Prikl. mat. i mekh. 26 no. 6:1087-1091 N-D '62.

- Role of the phenomena occurring on the cathode of a plasma diode as a model of a magneto-gas dynamic energy converter. N. D. Morgulis. Ukr. fiz. zhur. 7 no. 10:1131-1134 O '62.

- Steady convective motion of a viscous conducting fluid in a circular vertical channel. S. A. Regirer. PMTF no. 2:14-19 Mr-Ap '62.

- Transformation of the kinetic energy of a steady plasma stream into electric energy in the case of its isothermal deceleration in a transverse magnetic field. V. M. Sarychev. PMTF no. 2:3-6 Mr-Ap '62.

MAGNETOMETER

- Degeneration of the natural oscillations of a Cardan suspension mounted pendulum-type transducer on an NIIZM magnetometer. V. P. Proshin. Geomag. i aer. 2 no. 6:1138-1141 N-D '62.

MAGNETOOPTICS

- Piezomagneto-optical study of quadrupole exciton transition in Cu₂O crystals. V. T. Agekian and others. Fiz. tver. tela 5 no. 1:315-319 Ja '63.

- Zeeman effect for the yellow exciton series in high magnetic fields. E. F. Gross and others. Fiz. tver. tela 5 no. 1:327-338 Ja '63.

- Zeeman effect in the absorption spectrum and luminescence of CaF₂ - Sm²⁺ and SrF₂ - Sm²⁺ crystals. B. P. Zakharchenko, A. I. A. Ryklin. Opt. i spekt. 13 no. 6: 876-877 '62.

MAGNETS

- Analytical expression of a demagnetization curve of permanent magnets. I. Z. Kalmykov. Vest. elektroprom. 34 no. 1:71-73 Ja '63.

MAGNETOGORSK—APARTMENT HOUSES

- Design and quality of apartment houses with economical apartments in Magnitogorsk. P. Tatarko, A. Popova-Korzhuk. Zhil. stroi. no. 10:15-17 '62.

MAGNETOGORSK—PHOTOGRAPHY—SOCIETIES, ETC.

- There are many interesting tasks in store for us. V. Loskutov. Sov. foto 22 no. 12:39 D '62.

MAGNETOGORSK—ROLLING MILLS

- Developing and investigating new conditions of cutting the shears of blooming mill No. 3 at the Magnitogorsk Metallurgical Combine. E. V. Pal'mov and others. Trudy Ural. politekh. inst. no. 119:22-27 '62.

MAGNETOGORSK—STEEL INDUSTRY

- Prerequisites for the efficient introduction of automation in production. V. Aleksandrova. Ekon. Rad. Ukr. no. 6: 101-106 N-D '62.

MAGNETOGORSK REGION—BLASTING—EQUIPMENT AND SUPPLIES

- Efficient use of KZDSh-58 pyrotechnical relays in the Magnitogorsk Mine. N. G. Antonov, P. N. Gradobikh. Gor. zhur. no. 1:73-74 Ja '63.

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1894-1930

- "Maikovskii's poetic image" by Z. Papernyi. Reviewed by B. Galanov. Znaniia 32 no. 11:223-224 N '62.
- Naumov, E. I. [Seminar on Maikovskii] Seminar po Maikovskomu. Izd. 2, perer. i dop. Moskva, Gos. uchebno-pedagog. izd-vo, 1963. 280 p. (MIU) (OU)

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1894-1930—FILM ADAPTATIONS

- After "Bathhouse." A. Mar'jamov. Isk. kino no. 10:65-60 O '62.
- Journey into the future. I. Kovalevskaya. Isk. kino no. 10:60-61 O '62.

MAIL-ORDER BUSINESS

- The mail-order business should have electronic machines. M. Kokorov, S. Lushin. Sov. torg. 36 no. 11: 23-25 N '62.

MAKATSKIY DISTRICT—PARASITES—FIELD MICE

- New techniques of catching live subterranean voles for a complete collection of their ectoparasites [with summary in English]. V. B. Sil'vestrov, N. L. Gershtovich. Zool. zhur. 41 no. 11:1751-1753 N '62.

MAKHUM-KULI, 1733-1782

- Akademii nauk Turkmenstol SSR, Ashkhabad. Institut literatury. [Makhum-Kuli: jubilee volume dedicated to the 250th anniversary of the birth of the great Turkmen poet. Makhum-Kuli: jubilee volume dedicated to the 250th anniversary of the birth of the great Turkmen poet. Glav. red. Sh. B. Batyrov. Ashkhabad, Izd-vo Akad. nauk Turkmenstol SSR, 1961. 351 p. (In Russian and Turkmen)]

MAL SECCO DISEASE OF CITRUS

A device for injecting solutions into a tree and possibilities for its application in investigating measures for controlling mal secco disease of citrus. B.K. Danellia, V.G. Mkervali. Subtrop.kult. no.1:73-77 '62.

MALAYA YAGANKA REGION—FOREST NURSERIES

We shall obtain a high seedling output. T.Merzliakova. Les.khoz. 15 no.11:73 N '62.

MALAYSIA, FEDERATION OF—POLITICS AND GOVERNMENT

Malaysia: neocolonialism in action. A.Sergeev. Az. i Afr.ssg. no.1:15-18 Ja '63.

MALDIV ISLANDS—DESCRIPTION AND TRAVEL

A report from coral islands. Vadim Kassia. Nov. vrem. 20 no.3:28-30 Ja '63.

MALDIV ISLANDS—MILITARY BASES, FOREIGN

The mystery of a military base. I.And. Nov.vrem. 20 no.2:33 Ja '63.

MALI—WOMEN—RIGHTS OF WOMEN

The country of Fanta. Yvonne Quilles. Zhen.mira no.7:11-15 '62.

MALLOW see subdivision under Kazakhstan

MALONAMIDE

Substituted arylamides of dithiocarboxylic acids. Part 5: Amides of substituted arylamides of phenylazothiomalonamic acid. A.D. Grabenko, P.S. Peikis, L.N. Kulaeva. Zhur.ob.khim. 33 no.1:118-120 '63.

MALONIC ACID

Synthesis and transformations of alkyl- α -alkoxyethylmalonic esters. Part 3: Synthesis and saponification of alkyl- α -methoxyethylmalonic esters. A.V. Bogatski and others. Zhur.ob.khim. 33 no.1:42-45 '63.

Synthesis and transformations of alkyl- α -alkoxyethylmalonic esters. Part 4: Synthesis and some properties of methyl- α -isobutoxyethylmalonic ester. A.V. Bogatski, S.D. Fablonovskaya. Zhur.ob.khim. 32 no.12:3086-3088 D '62.

MALOYAROSLAVETS DISTRICT—PLANTS, PROTECTION OF

The Maloyaroslavets unit. A.N.Alferova, Zashch. rast. ot vred. i bol. 5 no.5:13-14 My '60.

MALOYAROSLAVETS DISTRICT—STOCK AND STOCK-BREEDING

Hidden potentialities for increasing the production of livestock products on the state farms of Maloyaroslavets District, Kaluga Province. S.S.Romanova. Dokl.TSKIA no.75:115-122 '62.

MAMADYSH DISTRICT—IRON INDUSTRY

Iron-smelting furnace in the ancient settlement of Kirmel'. N.D.Mets. Mat. i issl. po arkheol.SSSR no.111:217-220 '62.

MAMAKAN HYDROELECTRIC POWER STATION—DAMS

Grouting and drainage of the foundation of the dam of the Mamakan Hydroelectric Power Station. M.I.Pinglin, L.N. Leshcheva. Gidr.stroi. 33 no.11:17-20 N '62.

Waterproofing the pressure face of the dam of the Mamakan Hydroelectric Power Station. N.K. El'ib. Gidr. stroi. 33 no.11:20-21 N '62.

MAMAKAN HYDROELECTRIC POWER STATION—THERMOMETERS

Installation of devices for remote measuring of the temperature of concrete in structures of the Mamakan hydroelectric development. E.L. Budnikov. Gidr. stroi. 33 no.11:22-24 N '62.

MAMIN, DMITRI NARKISOVICH, 1852-1912

Andrianova, Z.A. [Intelligentia in the works of D.N. Mamin-Sibirsk of the years 1880 to 1890] Intelligentia v tvorchestvo D.N. Mamina-Sibirsk 80-90-kh godov. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962, 74 p.

From Mamin-Sibirsk to children. N. Kreshianskaya. Som'ta i shkola 17 no.11:42 N '62.

MAMMALS see subdivision under Moldavia

MAMMALS—EMBRYOLOGY see Embryology—Mammals

MAMMALS, FOSSIL

(see also subdivision under Ukraine)

Paleontology of mammals in the U.S.S.R. after the death of A.A. Borisak. E.I. Bellaeva, B.A. Trofimov. Paleont. zhur. no.4:12-20 '62.

Pliocene stratigraphy based on mammalian fauna data. K.V. Nikiforova. Trudy Kom. chetv. per. 19:42-69 '62.

MAMMOTH

Picture of a mammoth in a cheap popular print. S.A. Kispikov, R.F. Gekker. Paleont. zhur. no.4:124-126 '62.

MAMYKIN, PETR SERGEEVICH, 1900-

Anniversary of Professor Petr Sergeevich Mamykin, doctor of technical sciences. Trudy Vost. inst. ogneup. no.2:3-5 '60.

MAN—ORIGIN

Man's pedigree. M.Gremiatski. V mire knig 2 no.12: 12-13 D '62.

MAN, PRIMITIVE see subdivision under Russia, Northern

MAN, PRIMITIVE—CONGRESSES

Russo-Rumanian Seminar on general problems of the archaeology of primitive man. P.I. Borisovskii. Vest. AN SSSR 33 no.1:82-83 Ja '63.

MAN IN SPACE see Life support systems (Space environment)

MANAGEMENT RIGHTS

"Management rights of the administrators and officials in charge of industrial plants and business enterprises belonging to economic councils, ministries, and governmental agencies." Reviewed by K.Iakunenko. Sov. deput. trud. no.8:93-94 Je '62.

MANGANESE ALLOYS—METALLOGRAPHY

Martensite transformation in manganese-base alloys. M.P. Ravidel, O.I. Eydokimova. Metalloved. i term. obr. met. no.12:23-26 D '62.

MANGANESE CARBONYL

Manganese-rhenium decarbonyl (CO)₅Mn-Re(CO)₅. O.A. Reutov, T.N. Shatkina. Izv. AN SSSR, Otd. khim. nauk no.1:104-105 '63.

MANGANESE—GOLD ALLOYS—THERMAL PROPERTIES

Effect of pressure on the magnitude of the threshold field and the temperature of the antiferromagnetic transformation of the MnAu₂ compound [with summary in English]. N.P. Grazhdankina, K.P. Rodionov. Zhur. eksp. i teor. fiz. 43 no.6:2024-2027 D '62.

MANGANESE—NICKEL ALLOYS see Nickel-manganese alloys

MANGANESE ONES see subdivision under Chiatura

MANGANESE OXIDE

Particle size determination of artificial manganese dioxide. Z.M. Topuria. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:181-187 '62.

MANGANESE OXIDE—THERMAL PROPERTIES

Thermal dissociation of artificial manganese dioxide samples. Kh. G. Purtseladze and others. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:163-168 '62.

MANGANESE SALTS

Paramagnetic absorption in parallel fields in chromoalums and Tutton's salt of manganese. V.A. Kutuzov. Izv. AN SSSR, Ser. fiz. 27 no.1:81-82 Ja '63.

MANGANESE STEEL

Interaction of refractories with manganese steel. V.A. Bron, M.I. Djesperova, N.A. Sanok. Trudy Vost. inst. ogneup. no.2:83-100 '60.

MANGANESE SULFATE

Selecting a diaphragm for the electrolysis of manganese sulfate. E.M. Ungladze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:87-91 '62.

MANHOLE COVERS—STANDARDS

Akademii stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. [Technical specifications TU 264-55 for reinforced-concrete manhole covers] Tekhnicheskie ustovila na liki zhelezobetonnye dlia smotrovyykh kotodzev (TU 264-55). Izd. S. Moskva, 1960, 10 p.

MANIC-DEPRESSIVE PSYCHOSES

Change in serotonin metabolism during the treatment of patients suffering from manic-depressive psychosis. E.I. Skugarevskaya. Zdrav. Bel. 8 no.12:28-30 D '62.

MANITOBA—ECONOMIC GEOGRAPHY—MAPS

"Economic atlas of Manitoba" [in English] edited by Thomas R. Weir. Reviewed by K.A. Saltschev. Vest. Mosk. un. Ser. 5:Geog. 17 no.6:89-90 N-D '62.

MANNITOL

Effect of the gamma rays of Co⁶⁰ on aqueous solutions of mannitol. E.A. Kuzicheva, M.A. Khenokh. Zhur. ob. khim. 32 no.12:4070-4073 D '62.

MANOMETER

Capacitance mercury manometer for a gas thermometer. K.S. Izraelov, I.I. Kirenkov. Trudy Inst. Kom. stand., mer i izm. prib. no.51:5-11 '61.

MANUAL TRAINING

Manual training in the primary grades. E.A. Farapontova. Dokl. APN no.1:13-16 '62.

Marking skills of the sixth graders working in a fitting shop. Z.A. Alferova. Dokl. APN no.2:13-14 '62.

Use of a reflex control mechanism in work training. I.N. Arvol. Dokl. APN no.2:15-16 '62.

MANUAL TRAINING—BIBLIOGRAPHY see Bibliography—Manual training

MANUFACTURES

Let us produce high-quality consumers' goods. Sov. deput. trud. no.8:3-8 S '62.

MANUFACTURES—ABSTRACTS

[Communal, household, and commercial equipment] Ref. zhur. Old. vyp. 33: Komm. i byt. i torg. obr. no.1 Ja '63.

[Light industry] Ref. zhur. i Log. prom. no.1 Ja '63.

MANUSCRIPTS—CONSERVATION AND RESTORATION

Materials for studying the mycoflora of manuscripts [in Georgian with summary in Russian]. L.G. Aleksei-Meskishvili. Izv. Inst. ruk. AN Gruz. SSR 3:245-261 '61.

MANUSCRIPTS (PALIMPSESTS)

Menander, crocodiles and Neron. N. Kiliachko. Znan. i sila 37 no.11:30-38 N '62.

MANUSCRIPTS (PAPYRI)

Menander, crocodiles and Neron. N. Kiliachko. Znan. i sila 37 no.11:36-38 N '62.

MANUSCRIPTS, GEORGIAN

Description made by E.S. Takaisvili of O. Wardrop's Georgian manuscripts [in Georgian with summary in Russian]. E.L. Kolondzhordze. Izv. Inst. ruk. AN Gruz. SSR 3:189-194 '61.

The manuscript "Amirandaredzhaniani" [in Georgian with summary in Russian]. N.A. Ataneshvili. Izv. Inst. ruk. AN Gruz. SSR 3:19-26 '61.

Manuscripts in the Oxford Library obtained by Oliver Wardrop in Tiflis. E.S. Takaisvili. Izv. Inst. ruk. AN Gruz. SSR 3:193-221 '61.

A newly-revealed parallel of the Vanite manuscript A-1336 [in Georgian with summary in Russian]. E.M. Machavariani. Izv. Inst. ruk. AN Gruz. SSR 3:141-154 '61.

Old Georgian version of the Chronicle of Hippolytus of Rome [in Georgian with summary in Russian]. I.V. Abuladze. Izv. Inst. ruk. AN Gruz. SSR 3:223-243 '61.

MANUSCRIPTS, SOGDIAN

Bogolubov, M.N. [Sogdian documents from Mug Mountains; language information] Sogdskoe dokumenty s gory Mug; lazykovye dannye. Moskva, Izd-vo vostochnoi lit-ry, 1960, 7 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)

MANUSCRIPTS, TURKISH

Kanun-namih of the Erzurum vilayet of 1592 [in Georgian with summary in Russian]. TS.A. Abuladze. Izv. Inst. ruk. AN Gruz. SSR 3:50-55 '61.

MARCHENKO, VLADIMIR ALEKSANDROVICH

Talented mathematician. M. Bershak. Nauka i zhytiia 12 no.7:12 Jl '62.

MAREKANITE see subdivision under Okhotsk, Sea of

MARI A. S. S. R.—HISTORY

"Studies on the history of the Mordvinian A. S. S. R." Vol. 2 (1917-1960) and "Studies on the history of the Mari A. S. S. R., 1917-1960." Reviewed by G.A. Novitskii. Vop. iet. 38 no.1:112-115 Ja '63.

MARI A. S. S. R.—INDUSTRIAL MANAGEMENT

"Mountains of official correspondence." Sov. deput. trud. no.1:86 Ja '63.

MARINE BIOLOGY—RESEARCH see subdivision under White Sea

MARINE BOILERS see Boilers, Marine

MARINE DIESEL ENGINES

Investigating the reversing-starting system of the 5DKRN 50/110 main marine diesel engine. R. V. Shehelgachev. Trudy TSNIMF 8 no.42:24-43 '62.

Pronin, M.V. [Prolonging the life of the 3D8 engine] Udlinenie sroka sluzhby dvigatelia 3D8; opyt Kievskogo sudostroitel'nogo-sudoremontnogo zavoda. Moskva, Izd-vo "Rechnoi transport," 1962, 62 p.

Tanatar, D.D. [Marine diesel engines; the theory of their operation] Sudovye dizeli; teoriia rabochego protsessa. Leningrad, Izd-vo "Morskoi transport," 1962, 308 p.

MARINE DIESEL ENGINES—FUEL SYSTEMS

Mardenski, V.P. [Manufacture and repair of the fuel system equipment for marine diesel engines] Izgotovlenie i remont toplivnoi apparatury sudovykh dizelov. Leningrad, Izd-vo "Rechnoi transport," 1962, 173 p.

MARINE ENGINEERING

Use of plastics for the mounting of ship equipment. A.P. Markov. Sudostroenie 20 no.10:36-40 O '62.

MARINE ENGINEERING—BIBLIOGRAPHY see Bibliography—Marine engineering

MARINE ENGINES

Kuprianov, D. F. [Theory of internal combustion marine engines] Teoriia sudovykh dvigatelei vnutrennego sgoraniia. Izd. 2. Leningrad, Izd-vo "Rechnoi transport," 1962. 288 p.

MARINE GAS TURBINES

Automatic regulation of starting arrangements of marine gas turbine plants. S. B. Aksel'rod. Trudy TSNIIMF 8 no. 44:40-45 '62.
Characteristics of pressure regulation in marine heating deaerators. V. F. Syromiatnikov. Trudy TSNIIMF 8 no. 44:28-39 '62.
Selection of a material for marine gas turbine disks. I. M. Bartov. Trudy TSNIIMF 8 no. 42:64-70 '62.

MARINE GAS TURBINES—SAFETY APPLIANCES

Phase selection for an antipumping regulator of a marine gas turbine plant. S. B. Aksel'rod. Trudy TSNIIMF 8 no. 44:72-78 '62.

MARINE INSURANCE see Insurance, Marine

MARINE RESOURCES

World ocean; treasures of its flora and fauna, its ore minerals and power resources must serve man. S. V. Mikhailov. Priroda 52 no. 1:35-43 '63.

MARINE TURBINES—SPEED

Characteristics of marine turbine speed regulators. M. A. Leshch. Trudy TSNIIMF 8 no. 44:84-90 '62.

MARITIME CONTRACTS see Contracts, Maritime

MARITIME LAW

(see also subdivision under France; Great Britain; Poland; United States)

A decision of the Maritime Arbitration Commission attached to the All-Union Board of Trade. Inform. sbor. TSNIIMF no. 82, Mor. pravo i prak. no. 18:82-83 '62.

A decision of the State Arbitration Agency attached to the Executive Committee of Moscow Province Soviet of Workers' Deputies. Inform. sbor. TSNIIMF no. 82, Mor. pravo i prak. no. 18:82-83 '62.

English bills of lading of the Leningrad-London line. A. V. Grishin. Inform. sbor. TSNIIMF no. 82, Mor. pravo i prak. no. 18:10-18 '62.

Furnishing seagoing vessels with materials for the separation of cargo and additional equipment according to Soviet maritime law. K. I. Aleksandrova. Inform. sbor. TSNIIMF no. 82, Mor. pravo i prak. no. 18:3-6 '62.

Legal problems concerning the towage of seagoing vessels; the rules of English and American maritime law. A. I. Vorokhovskii. Inform. sbor. TSNIIMF no. 82, Mor. pravo i prak. no. 18:18-24 '62.

Photage of seagoing vessels in Sweden. M. I. Meksimadzh. Inform. sbor. TSNIIMF no. 82, Mor. pravo i prak. no. 18:24-31 '62.

MARITIME TERRITORY—EXOBASIDIUM

A new grape disease. A. A. Ahlakatova. Zashch. rast. ot vred. i bol. 5 no. 7:27-31 '60.

MARITIME TERRITORY—GRAPES—DISEASES AND PESTS

A new grape disease. A. A. Ahlakatova. Zashch. rast. ot vred. i bol. 5 no. 7:27-31 '60.

MARITIME TERRITORY—INSURANCE, SOCIAL—EMPLOYEES

Unsavory affairs of the head of a territorial office of social insurance. S. Kornilov, V. Shuvalov. Sots. obzr. 23 no. 8:25-27 '62.

MARITIME TERRITORY—PRECIPITATION (METEOROLOGY)

"Influence of the Sikhote-Alin Range on the synoptic processes and distribution of precipitation" V. I. Arkhangel'skii. Reviewed by B. P. Allov. Vest. Mosk. un. Ser. 5:Geog. 17 no. 4:78-80-81 Ag '62.

MARITIME TERRITORY—SOIL FORMATION

Genesis of some meadow soils in the Maritime Territory [with summary in English]. I. A. L'vovskii, V. I. Roslikova. Pochvovedenie no. 8:36-40 Ag '62.

MARKETING—COSTS

"Marketing costs in retail trade" by A. I. Abaturov. Reviewed by I. Tikhonov. Sov. torg. 38 no. 11:46-48 N '62.

MARKETS

Let's have a greater number of well-organized collective farm markets. A. Zhuravlev. Sov. torg. 38 no. 11:58 N '62.

MARKHA RIVER—PLANKTON

Plankton of the Markha and the Tyung Rivers, the left affluents of the Vilyuy River. L. E. Komarenko. Trudy Inst. biol. iafan SSSR no. 8:136-163 '62.

MARKOV PROCESSES

The law of large numbers and the strong law of large numbers for inhomogeneous Markov chains. M. Rozenblatt-Rot. Dokl. AN SSSR 147 no. 6:1294-1295 D '62.

Stability of the trajectory of Markov processes. R. Z. Khas'minski. Prikl. mat. i mekh. 26 no. 6:1025-1032 N-D '62.

MARKOVO (UST'-KUT DISTRICT)—PETROLEUM GEOLOGY

Modern history of the Markovo village. O. Kuprin. Ogonek 40 no. 37:17-19 S '62.

MARQUESAS ISLANDS—DESCRIPTION AND TRAVEL

Marquesas Islands. E. Suzumov. Nov. vrem. 20 no. 5:25-27 F '63.

MARROW

Action of estrogens (oestrol and diethylstilbestrol) on the bone marrow and spleen [with summary in English]. A. F. Moskalenko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:298-302 '61.

MARS (PLANET)

First moorings on star ways. V. IEzers'kii. Znan. i pratsia no. 12:1-2 D '62.

Mikhailov, M. G., and V. G. Glebov, comp. [Mars; articles by Soviet and foreign scientists] Mars; sbornik statei sovetskikh i zarubezhnykh uchennykh. Moskva, Izd-vo "Znanie," 1962. 62 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika i khimiia, no. 23/24)

MARSHAK, IL'IA IAKOVLEVICH, 1895-1953

Bright circle of knowledge. I. Inozemtsev. V mire knig 2 no. 11:12-13 N '62.

MARSHAK, SAMUIL IAKOVLEVICH, 1887-

Gidlov, B. E. [S. I. A. Marshak; a sketch of his life and works] S. I. A. Marshak; ocherk zhizni i tvorchestva. Moskva, Deliz, 1962. 276 p.
Marshak's satire and journalism for children. V. Leibson. Doshk. vosp. 35 no. 11:98-105 N '62.
S. I. A. Marshak on preschool books. V. Razova. Doshk. vosp. 35 no. 11:93-97 N '62.
Samuil Marshak. M. Petrovskii. Doshk. vosp. 35 no. 11:93-97 N '62.

MARSHAK, VIKTOR

Profound thought in little stories. A. Elaymont. V mire knig 2 no. 11:24 N '62.

MARTENS see subdivision under Caucasus

MARTINIQUE—SOCIAL CONDITIONS

Guadeloupe and Martinique; a bitter reality. Denise Breton. Zhen, mira no. 4:23-25, 34 '62.

MARTYNACEAE see subdivision under Starobeshevo District

MARX, KARL, 1818-1883

First works by Marx and Engels in Russia. M. Razorenova. V mire knig 2 no. 12:14 D '62.

"Karl Marx" by Galina Serebriskova. Reviewed by I. Osobova. Kommunist 39 no. 2:111-114 Ja '63.
Lenov, O. D. [Karl Marx's path to a scientific view of religion] Put' Karla Marksa k nauchnomu vzgliadu na religiu. Moskva, Vysshiaia shkola, 1961. 91 p. (CS-11)

Struggle was his element. S. Savell'ev. V mire knig 3 no. 1:3-4 Ja '63.

MARX, KARL, 1818-1883—MUSEUMS, RELICS, ETC.

In the Karl Marx and Friedrich Engels Museum. A. Krylova. Nauka i zhizn' 29 no. 11:8-11 N '62.

MARY OASIS see Murgab Oasis

MASERS

Astashenkov, P. T. [Atomic radio engineering] Atomnaia radiotekhnika, Moskva, Gosatomizdat, 1962. 88 p.
Generator of miracles. I. U. P. Tsiashenko. Rad. shk. 41 no. 12:81-84 D '62.

Intramolecular energy transfer and lasers. V. P. Bykov. Zhur. eksp. i teor. fiz. 43 no. 6:2313-2315 D '62.

A maser with two series cavity resonators. E. M. Boilenov, A. N. Orlovskii. Radiotekh. i elektron. 8 no. 1:158-161 Ja '63.

An oscillator operating on two opposing beams of N¹⁵H₃ ammonia molecules. V. V. Nikitin. Radiotekh. i elektron. 8 no. 1:153-157 Ja '63.

Pressure generated by the evaporation of matter in a radiation beam. G. A. Asker'ian, E. M. Moroz. Zhur. eksp. i teor. fiz. 43 no. 6:2319-2320 D '62.

MASERS—CONGRESSES

Symposium on Optical Masers held by the Polytechnic Institute of Brooklyn. Opt. i spekt. 13 no. 6:885 '62.

MASHARA, MIKHAI, 1902-

A White Russian poet's work for his people. K. Vasil'ev. Nar. svy. no. 11:85-86 N '62.

MASS (PHYSICS)

Interpretation of the physical concept of "mass." N. N. Malov. Izv. vys. ucheb. zav.; fiz. no. 6:8-10 '62.

MASS PSYCHOLOGY see Social psychology

MASS SPECTROMETRY

Mass spectrometric study of NbO evaporation. S. A. Shchukarev, G. A. Semenov, K. E. Frantsева. Izv. vys. ucheb. zav.; khim. i khim. tekh. 5 no. 5:691-693 '62.
Study of evaporation and thermionic emission by means of a three-ribbon filament ion source [with summary in English]. M. S. Chupakhin. Zhur. anal. khim. 17 no. 6:665-669 S '62.

MASS TRANSFER

Criterion equations of nonstationary heat and mass transfer in humid bodies. I. U. Mikhailov. Izv. AN Latv. SSR no. 10:87-89 '62.

Effect of radiation heat transfer on the entrainment of substances in the critical point of a blunt body. V. I. A. Neiland. Inzh. zhur. 2 no. 4:227-231 '62.

New data on spectral analysis with prior mass transfer by contact-electric spark. V. S. Baskov and others. Izv. AN SSSR. Ser. fiz. 27 no. 1:2-3 Ja '63.

Transfer phenomena in a low-voltage pulse discharge. K. K. Namitkov. Ukr. fiz. zhur. 7 no. 10:1141-1143 O '62.

Turbulent heat and mass transfer on a plate in the case of porous suction and injection of various gases [with summary in English]. V. P. Motulevich. Inzh. -fiz. zhur. 6 no. 1:3-13 Ja '63.

Variation of the mass transfer coefficient during the condensation of magnesium vapors from a mixture with helium. I. V. Frishberg, A. S. Mikulinski. Dokl. AN SSSR 147 no. 4:886-888 D '62.

MASTAUŠKIS, STANISLOVAS, 1891-

The 70th anniversary of the Lithuanian scientist S. Mastauskis. E. E. Savzdarg. Zashch. rast. ot vred. i bol. 5 no. 11:63 N '60.

MASTICS

Installing seamless mastic floors in industrial buildings. P. M. Makhinia. Prom. stroi. no. 10:36-38 '62.

MASTYUGINO—BONE CARVING

Statuette of a dog from a burial mound in the Mastyugino village. P. D. Liberov. Krat. soob. Inst. arkhcol. no. 89:60-65 '62.

MATERIALS see subdivision under Kazakhstan

MATERIALS—HANDBOOKS, MANUALS, ETC.

"Handbook on turbine and combustion engine metals" by P. B. Mikhailov-Mikheev. Reviewed by L. A. Liberman. Energomashinostroyeniie 8 no. 11:42 N '62.

MATERIALS—TESTING

Determination of thermophysical properties by the method of radial thermal waves. I. U. A. Kirichenko. Teplo- i massoper. 1:77-85 '62.

Direct method of measuring the elastic recovery of impressions in testing transparent materials for microhardness. I. U. S. Bolarskaya, M. I. Val'kovskaya, N. T. Savell'ev. Zav. lab. 28 no. 12:1404-1405 '62.

A fast method for measuring the thermophysical characteristics of materials. V. S. Vol'kenshtein. Teplo- i massoper. 1:65-69 '62.

Investigating properties of a construction material based on silicon carbide. A. A. Alent'ev, I. A. L. Gurovich, V. M. Groshova. Mashinostroyeniie no. 5:60-67 S-O '62.

A method and instrument for determining the thermophysical characteristics of materials without taking samples. I. I. Morachevskii, B. V. Spektor, V. I. Riazantsev. Teplo- i massoper. 1:61-64 '62.

Methods for determining the thermophysical characteristics of materials at high temperatures. G. N. Tret'iachenko, L. V. Kravchuk. Teplo- i massoper. 1:70-76 '62.

MATERIALS—THERMAL PROPERTIES

The constant power source method. A. B. Verzhinskaya. Teplo- i massoper. 1:57-60 '62.

Determination of thermophysical properties by the method of radial thermal waves. I. U. A. Kirichenko. Teplo- i massoper. 1:77-85 '62.

A fast method for measuring the thermophysical characteristics of materials. V. S. Vol'kenshtein. Teplo- i massoper. 1:65-69 '62.

Heat conductivity problems involving a heat source. M. V. Kulakov. Teplo- i massoper. 1:42-56 '62.

A method and instrument for determining the thermophysical characteristics of materials without taking samples. I. I. Morachevskii, B. V. Spektor, V. I. Riazantsev. Teplo- i massoper. 1:61-64 '62.

Methods for determining the thermophysical characteristics of materials at high temperatures. G. N. Tret'iachenko, L. V. Kravchuk. Teplo- i massoper. 1:70-76 '62.

MATERIALS AT HIGH TEMPERATURES

Strength of certain refractories at high temperatures. M. D. Shcheglova, S. I. Shcheglov. Ogneupory 27 no. 12:568-567 '62.

MATERIALS HANDLING

Charging unit. L. I. Gluskin. Ogneupory 27 no. 12:544-545 '62.

MATERIALS HANDLING (Continued)

- Comparative evaluation of disk and vibration screens for the line of coke feed to skips. G. G. Grigor'ev, R. D. Labutin. Trudy Ural'sk. politekh. inst. no. 119:4-10 '62.
- Loading of basic fluxes. A. A. Krasnopol'skii and others. Met. i gornorud. prom. no. 5:82-83 S-O '62.
- New freight car for the transportation of hot sinter. V. G. Kalmykov. Vest. TSNII MPS 21 no. 8:53-54 '62.
- Over-all mechanization of materials handling in machinery plants. P. I. Daulin. Bui. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12: 67-69 '62.
- Save labor on transportation work in machinery manufacturing. Sots. trud 7 no. 4:42-56 Ap '62.

MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] Ref. zhur.: Prom. transp. no. 1 Ja '63.

MATERNAL AND INFANT WELFARE

Legal advice. M. Turkevich. Rab. i sluzh. 38 no. 5:22-23 My '62.

MATERNAL AND INFANT WELFARE—LAW AND LEGISLATION

She gives life. Zhen. mira no. 11:17-20 '62.

Special benefits for women workers and employees during their pregnancy and maternal confinement. G. I. Amienfel'd. Sots. zakon, 30 no. 12:59-62 D '62.

MATHEMATICAL CRYSTALLOGRAPHY see Crystallography, Mathematical

MATHEMATICAL INSTRUMENTS

Homemade instruments in a geometry course. M. M. Liman. Mat. v shkole no. 6:37-38 N-D '62.

MATHEMATICAL LINGUISTICS

Kiev. Universitet. [Applied linguistics and machine translation] Prikladnaya lingvistika i mashinnyi perevod. Kiev, 1962. 124 p. [MICROFILM]

Some problems of mathematical linguistics in connection with machine translation. G. P. Bagrinovskaya and others. Mash. perev. i prikl. ling. no. 6:19-30 '61.

MATHEMATICAL MODELS

(see also subdivision under Mekong River)

Theory and methods of mathematical modeling; 3rd thematic conference. B. I. A. Kogan, A. V. Shileiko. Vest. AN SSSR 33 no. 1:121-122 Ja '63.

MATHEMATICAL RECREATIONS

Mathematical recreations. Nauka i zhizn' 29 no. 11:53, 89 N '62.

MATHEMATICAL STATISTICS

"Adjusting and calculation of distribution series" by A. I. Ezhov. Reviewed by G. Kul'dishev, V. Ovsienko. Vop. ekon. no. 12:114-117 D '62.

Determination of unknown parameters based on the processing of measuring results. A. F. Torondzhadze. Trudy Vych. tsentra AN Gruz. SSR 2:267-281 '62.

Karasev, A. I. [Fundamentals of mathematical statistics] Osnovy matematicheskoi statistiki; uchebnoe posobie. [n. p.] Resvuzizdat, 1962. 357 p.

A method for calculating statistical characteristics with a TSM inductor. I. G. Glonti, M. A. Svanidze. Trudy Vych. tsentra AN Gruz. SSR 2:339-343 '62.

On the X² criterion. E. Nadarain. Trudy Vych. tsentra AN Gruz. SSR 2:241-244 '62.

Quadratic evaluation of the divergence of densities of normal two-dimensional distribution according to sampling data. G. M. Manin. Trudy Vych. tsentra AN Gruz. SSR 2:153-211 '62.

MATHEMATICAL STATISTICS—STUDY AND TEACHING

Chemists should study mathematical statistics. Vest. vyzhskoly 20 no. 12:48 D '62.

MATHEMATICAL STATISTICS—TABLES, ETC.

"Guide to tables in mathematical statistics" by J. A. Greenwood, H. O. Hartley" (in English). Reviewed by M. K. Kerimov. Zhur. vych. mat. i mat. fiz. 2 no. 5: 659 S-O '62.

MATHEMATICIANS

Mathematical calendar for the 1962-1963 school year. L. K. Andronov. Mat. v shkole no. 6:63-64 N-D '62.

MATHEMATICS

Mathematics and space. B. N. Delonc. Nauka i zhizn' 29 no. 11:27-28 N '62.

Moscow. Inzhenerno-fizicheskii institut. [Works published by the Chair of Higher Mathematics] Sbornik nauchnykh rabot kafedry vysshei matematiki. Moskva, Gosatomizdat, No. 2. 1962. 123 p.

MATHEMATICS—BIBLIOGRAPHY see Bibliography—Mathematics

MATHEMATICS—COMPETITIONS

(see also subdivision under Siberia)

Fourth International Mathematical Olympiad. E. A. Morozova, I. S. Petrakov. Mat. v shkole no. 6:54-55 N-D '62.

What we all are thinking about. A. M. Budker. Sem'ia i shkola 18 no. 1:2-4 Ja '63.

MATHEMATICS—CONGRESSES

Symposium on Information Theory. A. M. Petrovskii. Vest. AN SSSR 33 no. 1:88-89 Ja '63.

MATHEMATICS—CURIOSA AND MISCELLANY

A mathematician's miscellany. J. Littlewood. Nauka i zhizn' 29 no. 11:58 N '62.

MATHEMATICS—PERIODICALS see subdivision under Romania

MATHEMATICS—PROBLEMS, EXERCISES, ETC.

Editor's mail. A. P. Gromov and others. Mat. v shkole no. 6:44-53 N-D '62.

"Necessary and adequate conditions in mathematics" by B. I. Kreibshelm. Reviewed by V. V. Malinin, A. A. Nudel'man. Mat. v shkole no. 6:79 N-D '62.

On F. I. A. Shevelev's article. O. B. Sheinin. Mat. v shkole no. 6:87 N-D '62.

Problems. A. A. Isakov and others. Mat. v shkole no. 6: 85-92 N-D '62.

Results of the tests in mathematics given by the Ministry of Education of the R. S. F. S. R. in May 1962. I. S. Petrakov. Mat. v shkole no. 6:14-18 N-D '62.

Shvartsburd, B. I., and S. I. Shvartsburd. [Problems in mathematics for schools specializing in machine building] Zadachi po matematike dlia shkol s mashinostroitel'noi spetsializatsiei; posobie dlia uchiteloi IX-XI klassov. Moskva, Uchpedgiz, 1962. 93 p.

MATHEMATICS—STUDY AND TEACHING

Arithmetical preparation for the study of exponential functions. M. V. Ereemeeva. Mat. v shkole no. 6:33-34 N-D '62.

"Educational effect of mathematics lessons" by A. I. Khinchin. Reviewed by A. Kolobov. Nar. obr. no. 1: 113-115 Ja '63.

Historicism in lessons on mathematics (continuation). G. I. Glezzer. Uch. zap. Tif. gos. ped. inst. no. 9:229-236 '60.

In the secondary school section of the Moscow Mathematical Society (14th year). A. I. A. Margulis. Mat. v shkole no. 6:81-82 N-D '62.

International symposium on the teaching of mathematics held in Budapest. Mat. v shkole no. 6:78 N-D '62.

"Mathematical languages" in teaching; the 15th conference of the International Commission of Mathematical Instruction. Z. Krygowska. Mat. v shkole no. 6:68-75 N-D '62.

"Methodology of teaching mathematics" by P. I. A. Dorf. Reviewed by A. I. Vlasenko. Mat. v shkole no. 6:80 N-D '62.

Review of mathematics lessons in evening schools. I. Palii. Nar. osv. no. 11:36-46 N '62.

Some means of stimulating the work of students in mathematics lessons. S. M. Gai'. Mat. v shkole no. 6:27-30 N-D '62.

University of scientific knowledge for teachers. G. N. Pivovarov. Mat. v shkole no. 6:82 N-D '62.

MATORIN, MIKHAIL VLADIMIROVICH, 1901-

Poetry of our nature. T. Topilina. IUn. nat. no. 1: 29 Ja '63.

MATRICES

Certain iterative processes of matrix symmetrization. V. M. Kublanovskaya. Zhur. vych. mat. i mat. fiz. 2 no. 5:760-767 S-O '62.

Determination of optimal wave functions for an approximate calculation of matrix elements. S. I. Vetchinkin. Dokl. AN SSSR 147 no. 6:1328-1331 D '62.

Determining the least number of colors for the vertices of a graph by means of Boolean powers of the adjacency matrix. L. M. Vitaver. Dokl. AN SSSR 147 no. 4:756-759 D '62.

MATTER

Gladkov, K. A. [In the world of temperatures and pressure] V mire temperatur i davlenii. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no. 2)

MATTER—CONSTITUTION

"Strange" states of matter. A. I. Kitaigorodskii, Yu. V. Mniukh. Dos. such. fiz. no. 6:127-133 '62.

MAUTHAUSEN (CONCENTRATION CAMP)

Last battle (continued). S. S. Smirnov. Sov. voen 45 no. 1:32-36 Ja '63.

Last battle (conclusion). S. S. Smirnov. Sov. voen 45 no. 2:32-36 Ja '63.

MAXILLARY SINUS—DISEASES

Treatment of inflammatory diseases of the maxillary sinuses by means of chen-chiu therapy. E. E. Feder, M. L. Abramov. Zdrav. bel. 8 no. 12:62 D '62.

MAY DAY (LABOR HOLIDAY)

A holiday of peace and labor. A. Georgieva. Otv. na vop. trud. no. 4:54-64 Ap '62.

MAYONNAISE see Salad dressings

MEALYBUGS—EXTERMINATION see subdivision under Tajikistan

MEASURING INSTRUMENTS

Multiple-measurement testing machine. Z. L. Tubenshiak, M. I. Skalkin. Mashinostroenie no. 5:113 S-O '62.

MEAT

Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Meat research in the U. S. A.] Issledovanie miasa v SShA. Moskva, 1962. 26 p. (Tekhnicheskaya informatsiya) [MICROFILM]

MEAT, CANNED—TESTING

Quality of the canned meat products of some foreign firms. K. Rutch. Mias. ind. SSSR 33 no. 6:56-60 '62.

MEAT INDUSTRY

(see also subdivision under Bulgaria; Kiev; Kirghizistan; Pleven District)

How to reduce meat losses in refrigeration and storage. A. Sheffer. Mias. ind. SSSR 33 no. 6:27-29 '62.

Improve the supplying of the population with refrigerated meat. I. Buzdin. Mias. ind. SSSR 33 no. 6:23-26 '62.

Selecting the type and capacity of meat industry enterprises under construction. P. Boldyrev, N. Kaplan, A. Gurevich. Mias. ind. SSSR 33 no. 6:20-33 '62.

We shall put into practice the resolution of the November Plenum of the Central Committee of the CPSU. Mias. ind. SSSR 33 no. 6:1-4 '62.

MEAT INDUSTRY—BY-PRODUCTS

(see also subdivision under Moldavia; Rostov Province)

Intensification and automation of protein production. M. Grober, A. Kogan. Mias. ind. SSSR 33 no. 6:14-18 '62.

Make a more complete utilization of raw material resources for the production of dried protein feeds. Mias. ind. SSSR 33 no. 6:4-6 '62.

Mechanized SZhK-500 continuous production line. K. Sinitzyn, S. Liberman, V. Petrovskii. Mias. ind. SSSR 33 no. 6:12-13 '62.

MEAT INDUSTRY—COSTS

(see also subdivision under Vilnius)

Accounting in beef cattle transportation. L. Gol'denberg. Mias. ind. SSSR 33 no. 6:42 '62.

Analysing the production costs of meat. T. Droida. Mias. ind. SSSR 33 no. 6:36-41 '62.

MEAT INDUSTRY—EQUIPMENT AND SUPPLIES

(see also subdivision under Ulan-Ude)

Devices for testing the strength of shackle chains. V. Silin. Mias. ind. SSSR 33 no. 6:44 '62.

Pituitary body extractor. B. Sevoat'ianov. Mias. ind. SSSR 33 no. 6:44-45 '62.

MEAT INDUSTRY—RESEARCH

(see also subdivision under Tashkent)

Results of the Eighth European Congress of Meat Industry Research Institutes (conclusion). Mias. ind. SSSR 33 no. 6:46-52 '62.

MECHANICAL DRAWING

Afanasyev, A. F. [Screw thread and threaded parts; manual on mechanical drawing for students of the Moscow Chemical and Technological Institute] Roz'ba i rez'-bovoye izdolia; posobie po mashinostroitel'nomu chertcheniu dlia studentov MKhTI imeni D. I. Mendeleeva. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D. I. Mendeleeva, 1962. 38 p. [MICROFILM]

Kuznetsov, N. S., and N. M. Anisimov. [Drawing and mechanical drawing] Chertchenie i risovanie. Moskva, Gosstroizdat, 1962. 314 p. illus.

Simonin, S. I. [Topographical engineering drawing] Inzhenerno-topograficheskoe chertchenie. [n. p.] Geodezizdat, 1962. 121 p.

MECHANICAL ENGINEERING

[Mechanical engineer's handbook in six volumes] Spravochnik mashinostroitelia a shesti tomakh. Red. sovet: N. S. Acherkan i dr. Izd. 3., ispr. i dop. Moskva, Mashgiz. Vol. 4. Pod red. N. S. Acherkana. 1962. 448 p. [MICROFILM]

MECHANICAL ENGINEERING—AUDIO-VISUAL AIDS

More on visual aids in education. E. M. Eidas. Sred. spets. obr. 10 no. 1:28-32 Ja '63.

MECHANICAL ENGINEERING—BIBLIOGRAPHY see Bibliography—Mechanical engineering

MECHANICAL ENGINEERING—STUDY AND TEACHING

Course projects on machine parts. G. F. Budlakova. Sred. spets. obr. 10 no. 1:33-35 Ja '63.

MECHANICAL ENGINEERING—TECHNOLOGICAL INNOVATIONS

[Handbook for inventors and innovators] Spravochnik dlia izobretatelia i ratsionalizatora [By] N. A. Ankin i dr. Izd. 3., ispr. i dop. Moskva, Mashgiz, 1962, 791 p.

MECHANICAL MOVEMENTS

Some objections to I. P. Sporysh's review of "Structure of mechanisms" by M. V. Semenov. M. V. Semenov. Izv. vys. ucheb. zav. mashinostr. no. 7:40-49 '62. "Structure of mechanisms" by M. V. Semenov. Reviewed by I. P. Sporysh. Izv. vys. ucheb. zav. mashinostr. no. 7:33-39 '62.

MECHANICAL WEAR

Determining the forces acting on the cutters of mining combines. L. B. Glatman. Nauch. soob. IOG 14:55-65 '62. Increasing the longevity of hydraulic giant nozzles in underground hydraulic coal mining. S. P. Turchaninov. Mekh. i avtom. v gornoi prom. no. 2:116-127 '62. Interferential method of measuring small impressions in the determination of wear. V. F. Shvets. Zav. lab. 28 no. 12:1488-1489 '62. Investigating the wear of cylinders. A. P. Karpov. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:355-366 '62. Methods for studying abrasive wear. K. A. Muzdzholan. Izv. AN Arm. SSR, Ser. tekhn. nauk no. 4:63-65 '61.

MECHANICS

[Mechanics; translations of foreign articles] Mekhanika; period. sbor. perev. inostr. st. 13 no. 5 '62.

MECHANICS—ABSTRACTS

[Mechanics] Ref. zhur. Mekh. no. 1 Ja '63.

MECHANICS, ANALYTIC—PROBLEMS, EXERCISES, ETC.

Brazhulichenko, N. A., and others. [Problems on theoretical mechanics] Sbornik zadach po teoreticheskoi mekhanike. Leningrad, Sudpromgiz, 1962, 559 p. Mishurev, M. A. [Methodology of problem solution in theoretical mechanics] Metodika reshenia zadach po teoreticheskoi mekhanike. Moskva, Vysshaya shkola, 1962, 306 p.

MECHANISM (PHILOSOPHY)

Narskil, L. S., and L. N. Suvorov. [Positivism and the mechanistic revision of Marxism] Pozitivizm i mekhanicheskaya reviziya marksizma. Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 82 p. (Materialy k lektsiyam po filosofii) Vistokov, A. D. [Marxist dialectics and present-day mechanistic philosophy] Marksistskaya dialektika i sovremennyy mekhanizm. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962, 239 p.

MEDICAL ASSISTANCE, RUSSIAN

[see also subdivision under Congo, Leopoldville] Brief news. Sov. Kras. krest 12 no. 4:21 J1-Ag '62.

MEDICAL BOTANY see Botany, Medical

MEDICAL CARE

Better care for patients. P. N. Makarenko, N. I. Bryleva. Apt. delo 12 no. 3:59-60 My-Je '62.

MEDICAL CLIMATOLOGY see Climatology, Medical

MEDICAL ELECTRONICS—EQUIPMENT AND SUPPLIES

Determination of critical stroboscopic lighting level. I. Sh. Libin, V. I. Skoblova. Svetotekhnika 8 no. 12: 14-16 D '62.

MEDICAL ENTOMOLOGY see Insects as carriers of disease

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref. zhur. Otd. vvp. 36: Med. geog. no. 1 Ja '63.

MEDICAL MICROBIOLOGY

[Multivolume manual on the microbiology, clinical aspects, and epidemiology of infectious diseases] Mnogotomnoe rukovodstvo po mikrobiologii, klinike i epidemiologii infektsionnykh boleznei. Moskva, Medgiz. Vol. 2. [General microbiology] Obshchaya mikrobiologiya. Red. V. M. Zhdanov. 1962, 635 p. (DNLM)

MEDICAL PARASITOLOGY

"Problems of infectious and invasion diseases." Reviewed by P. I. Sakharov, K. M. Loban. Zdravookhraneniye 5 no. 3:63-64 My-Je '62.

MEDICAL SOCIAL WORK see subdivision under Priokskiy

MEDICAL SUPPLIES

First-aid kit. E. V. Lagutina. Sov. Kras. krest 12 no. 4:28 J1-Ag '62.

MEDICINE

Petrov, B. D. [Historical essays on Russian medicine] Ocherki istorii otechestvennoi meditsiny. Moskva, Medgiz, 1962, 301 p.

Timakov, V. D. [New paths of medicine] Novye puti meditsiny. Moskva, Izd-vo "Znanie," 1963, 47 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya i meditsina, no. 1)

MEDICINE—ABSTRACTS

[Medical abstracts] Med. ref. zhur. sect. 2 vol. 7 no. 1 Ja '63. Sect. 3 vol. 7 no. 2 F '63. Sect. 6 vol. 7 no. 2 F '63. Sect. 7 vol. 7 no. 2 F '63. Sect. 9 vol. 7 no. 1 Ja '63. Sect. 10 vol. 7 nos. 1-2 Ja-F '63.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—DICTIONARIES, POLYGLOT

[Dictionary of medical terminology, Russian-Korean-Latin] Slovar' meditsinskoi terminologii, Russko-Koreysko-Latinskii. [Pyongyang, Korea] 1960, 670 p. (NN)

MEDICINE—FORMULAE, RECEIPTS, PRESCRIPTIONS

Rodionov, P. V., ed. [Prescription reference book] Recepturnyi spravochnik. Izd. 3., ispr. i dop. Kiev, Gos. med. izd-vo USSR, 1961, 476 p. (DNLM)

MEDICINE—HISTORY

Giving light to others, I burn. I. Zinov'ev. V mire knig 3 no. 1:12 Ja '63.

MEDICINE—STUDY AND TEACHING

Improve the organization of advanced training for physicians in every way possible. B. M. Khromov. Zdrav. Ros. Feder. 6 no. 12:20-22 D '62.

MEDICINE, CHINESE

Shofman, M. A. ["Secrets" of oriental medicine] "Sekrety" vostochnoi meditsiny. Moskva, Izd-vo "Znanie," 1963, 39 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya i meditsina, no. 2)

MEDICINE, HINDU

Shofman, M. A. ["Secrets" of oriental medicine] "Sekrety" vostochnoi meditsiny. Moskva, Izd-vo "Znanie," 1963, 39 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya i meditsina, no. 2)

MEDICINE, INTERNAL

Elova, M. Ia. [Bronchoscopy in the clinical treatment of internal diseases] Bronkhoskopiya v klinike vnutrennikh boleznei. Moskva, Medgiz, 1962, 174 p. (DNLM)

Forms of regenerative reaction and the reversibility of sclerotic changes in the internal organs. D. S. Sarkisov. Sbor. trud. Inst. khir. AMN SSSR no. 1:188-198 '62. Some methodical procedures aiding in the experimental study of the reversibility of chronic changes in the internal organs. D. S. Sarkisov. Sbor. trud. Inst. khir. AMN SSSR no. 1:9-13 '62.

MEDICINE, RURAL see subdivision under Kremenchug (Tiraspol' District); Pyrzholtony

MEDITERRANEAN SEA REGION—SEISMOLOGY

Seismological mission of UNESCO in the Mediterranean Sea region and the Near East. E. V. Karas. Vest. AN SSSR 33 no. 1:63-65 Ja '63.

MEDNOGORSK—ELECTRIC MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Kuz'ma Poliakova's "godchil'dren." V. Proletkin. Komsom. zhizn' no. 22:15-16 N '62.

MEFODII, Bishop of Volyn' and Rovno, 1914—

Nomination and ordination of Archimandrite Mefodii (Menzak). Zhur. Mosk. Patr. no. 11:16-20 N '62.

MEITUS, IULII SERGEEVICH, 1903—

Clear perception of life. M. Blafk. Sov. muz. 26 no. 12:19-21 D '62.

MEKONG RIVER—MATHEMATICAL MODELS

Mathematical model of the Mekong River. A. A. Abramov. Vest. AN SSSR 33 no. 1:81-82 Ja '63.

MEKONG VALLEY—IRRIGATION

A trip along the Mekong. Wilfred Burchett. Nov. vrem. 20 no. 4:11-12 Ja '63.

MELAMINE—SPECTRA

Spectrophotometric method for the analysis of melamine and the products of its hydrolysis: ammeline, ammelide, and cyanuric acid [with summary in English]. E. N. Bolotov, A. I. Finkel'shtein. Zhur. anal. khim. 17 no. 6:748-750 S '62.

MELEKES—SOVIETS

This executive committee lends its assistance to the deputies of the soviets. A. Bezdenezhnykh. Sov. deput. trud. no. 0:50-52 Je '62.

MELILITE see subdivision under Kovdar region

MELON BREEDING see subdivision under Armenia

MELONS

Characteristics of physiological and biochemical processes in seeds of the melon of the species *Melo zard* during a treatment with variable temperatures before planting. N. N. Budurian. Vop. fiziol. i biokhim. kul't. rast. no. 1:45-51 '62.

Effect of the chilling of seeds before planting on the physiological and biochemical processes of the melon of the species *Melo zard*. N. N. Budurian. Vop. fiziol. i biokhim. kul't. rast. no. 1:52-70 '62.

Effect of the type of pistillate flowers in melons on the setting of fruit. T. N. Balashev. Trudy po prikl. bot., gen. i sel. 31 no. 2:189-190 '57.

MELTING

Calculating the rate of contact melting of eutectic systems. L. K. Savitskaya. Izv. vys. ucheb. zav.; fiz. no. 6:132-138 '62.

Centralized production of low-percentage iron-silicon-magnesium foundry alloys. B. P. Bulakov. Mashinostroenie no. 5:112 S-O '62.

Effect of impurities on the premelting stage [with summary in English]. G. M. Bartenev, A. A. Remizova. Ukr. fiz. zhur. 7 no. 8:892-898 Ag '62.

Establishing a steady melting rate for a semi-infinite solid body. E. M. Shakhov. Inzh. zhur. 2 no. 4:237-244 '62.

Variation of the heat conduction of certain metals and alloys due to melting. B. P. Pashaev. Teplo- i massoper. 1:126-130 '62.

MELTING POINTS

Melting curve of tellurium at pressures up to 23,000 kg./cm². N. A. Tikhomirova, S. M. Stishov. Zhur. eksp. i teor. fiz. 43 no. 6:2321 D '62.

MEMBRANES (BIOLOGY)

Problem of the excitability and the correlation between the resting potential and the critical potential of the membrane. B. I. Khodorov. Usp. sovr. biol. 34 no. 3: 333-354 N-D '62.

MEMORY

Individual differences in memorizing various kinds of material [with summary in English]. V. I. Samokhvaeva. Vop. psikh. 8 no. 4:99-109 J1-Ag '62.

"Involuntary memory" by P. I. Zinchenko. Reviewed by D. I. Krasil'shchikova. Vop. psikh. 8 no. 4:151-155 J1-Ag '62.

Today in the club. IUn. nat. no. 1:22-24 Ja '63.

MEMPHIS, UNITED STATES—CAST IRON—METAL-LURGY

Foundry for producing high-grade cast iron. Mashinostroenie no. 5:125 S-O '62.

MENDELEEV, DIMITRII IVANOVICH, 1834-1907

Evening devoted to the topic "D. I. Mendeleev and Russian painting." G. N. Osokina. Khim. v shkole 17 no. 6:60-75 N-D '62.

MENDELEVIUM

Chemistry of mendelevium. Priroda 62 no. 1:112-113 '63.

MENINGES—TUBERCULOSIS

Copper content in the cerebrospinal fluid of children with tuberculous meningitis. M. P. Lapidus. Zdrav. Bel. 8 no. 12:16-17 D '62.

MENINGITIS

Case of serous meningitis and paralysis of the right facial nerve of the peripheral type in acute leukemia. E. N. Polukova, N. G. Zernov. Vop. okh. mat. i det. 7 no. 9:89-90 S '62.

MENSTRUATION

Ovarian-menstrual cycle in diabetes mellitus [with summary in English]. L. I. Lobanovskaya. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:175-180 '61.

MENSURATION

Means for reducing temperature errors in measurements. V. Ia. Popov, I. B. Tartakovsky. Vest. mashinostr. 42 no. 12:47-50 D '62.

MENTAL EXHAUSTION see Fatigue, Mental

MENTALLY HANDICAPPED CHILDREN—EDUCATION

Relationship between the mastery of syllabus structure of words and the lexico-grammatical development of alalic children. A. K. Markova. Dokl. APN no. 1:121-124 '62.

Students' work with educationally neglected children. V. Kukushkina. Vop. psikh. 8 no. 4:148-150 J1-Ag '62.

MERCAPTOPHOS

Effectiveness of 30% and 60% concentrates of mercaptophos. D. N. Palaskas. Zashch. rast. ot vred. i bol. 5 no. 6:31 Je '60.

Mercaptophos kills the spider mite in tree stands. V. V. Kurdiukov. Zashch. rast. ot vred. i bol. 4 no. 5: 58 S-O '59.

MERCHANDISE see Commercial products

MERCHANT MARINE see subdivision under Soviet Far East

MERCHANT SHIPS

"Over-all automation of seagoing vessels." Reviewed by A. Molisev. *Izv. AN Latv. SSR* no. 4:175-176 '61.

MERCHANTS, ARMENIAN

From the history of Armenian merchant capital in Russia [in Armenian with summary in Russian]. V.A. Dilolan. *Ist.-filol. zhur.* no. 4:69-82 '62.

MERCIER, DESIRE FELICIEN FRANCOIS JOSEPH, Cardinal, 1851-1920

Dontsov, Dmytro. [Cardinal Mercier, servant of God and of the people] Kardynat Mersie, sluha Boha i natsii. [Vyd. 2.] Toronto, Vyd-vo Meta, 1958. 80 p. (InU)

MERCURIMETRY

Mercurimetric determination of halides by the potentiometric method [with summary in English]. Z.I. Ivanova, P.N. Kovalenko. *Zhur. anal. khim.* 17 no. 6:739-742 S '62.

MERCURY—ELECTRIC PROPERTIES

Electrokinetic effects in liquid mercury. A.R. Regel', S.I. Pattenin. *Atom. energ.* 14 no. 1:122-127 Ja '63.

MERCURY—METALLURGY

Mercury vapor condensation in apparatuses with internal water cooling. G.A. Lakhtin and others. *TSvet. met.* 35 no. 0:44-50 S '62.

MERCURY (PLANET)

Radar tracking of the planet Mercury. V.A. Kotelnikov and others. *Dokl. AN SSSR* 147 no. 6:1320-1323 D '62.

MERCURY-ARC RECTIFIERS

The mercury-arc rectifier has been installed outside the traction substation. L.P. Arkhipov, A.S. Shilov. *Elek. i topl. tsiaga* 6 no. 11:12-13 N '62.

MERCURY CHLORIDES

Synthesis in the series of furan-containing silicon organic compounds. Report No. 1: Reduction of furyl-, phenyl-, and thienyl-mercury chlorides by triethylsilane [with summary in English]. E. Lukevics, S. Illiers. *Izv. AN Latv. SSR* no. 4:99-102 '61.

MERCURY MINES AND MINING see subdivision under Nikitovka (Donetsk Province)

MERCURY SALTS

Interaction of triethylsilane with mercury salts [with summary in English]. E. Lukevics, S. Illiers. *Izv. AN Latv. SSR* no. 4:95-98 '61.

MESITYLENE

Hexadecylbenzene and hexadecylmethylbenzene. E.S. Pokrovskaya, N.A. Shumanko. *Neftekhimiya* 2 no. 5: 557-601 S-O '62.

MESKHI, SERGEI SEMENOVICH

Letters written by Sergei Meskhi to Akaki Tsereteli [in Georgian with summary in Russian]. Sh.N. Gozalishvili. *Izv. Inst. ruk. AN Gruz. SSR* 3:105-108 '61.

MESONS

Energy losses of strongly interacting particles passing through hydrogen [with summary in English]. I.U.L. Vartanian. *Zhur. eksp. i teor. fiz.* 43 no. 6:2143-2145 D '62.

Neganov, D.S., and O.V. Savchenko. [Formation of π^+ -mesons in $p-p$ collisions in the range 480 to 680 MeV]. *Obrazovanie π^+ mezonov v $p-p$ sovdareniiakh v oblasti 480-680 MeV*. [n.d.] Ob'edinenyi in-t iadernykh issl. 1956. 17 p.

Nucleon-nucleon scattering in the two-meson approximation, taking $\pi\pi$ -interaction into account [with summary in English]. A.D. Galanin and others. *Zhur. eksp. i teor. fiz.* 43 no. 6:2245-2254 D '62.

The $\pi^+ + p \rightarrow \pi^+ + \pi^+ + n$ reaction at an energy of 240 Mev, and $\pi\pi$ -interaction [with summary in English]. I.U.A. Datusov and others. *Zhur. eksp. i teor. fiz.* 43 no. 6:2015-2017 D '62.

Production of slow π -mesons in pion-nucleon and nucleon-nucleon collisions [with summary in English]. S.M. Bilen'kit, R.M. Ryndin. *Zhur. eksp. i teor. fiz.* 43 no. 6:2204-2207 D '62.

METABOLISM

Some indices of metabolism in the rumen (issues of cattle. S.I. Kusen', I.H. Puplin. *Nauk. pratsi Nauk. - dosl. inst. zem. i tvar. zakh. ratontiv. URSSR* 14 no. 4: 58-74 '61.

Studying the metabolism in animals infected artificially and spontaneously with theileriasis. M.A. Alizade. *Trudy Azer. nauch. -issl. vet. inst.* 13:216-220 '62.

METAL CHELATE COMPOUNDS see Organometallic compounds

METAL CLADDING

Cohesion of titanium with steel in the solid state. I.M. Pavlov, V.N. Brinza. *Sbor. Inst. stal i splav.* no. 40: 160-165 '62.

METAL CLEANING

Using metal grit for cleaning operations. B.A. Ardashnikov. *Vest. mashinostr.* 42 no. 12:53-54 D '62.

METAL CUTTING

Effect of cutting conditions on the quality of machined surfaces of porous ceramic-metal materials. A.I.A. Artyamonov. *Mashinostroenie* no. 5:32-35 S-O '62.

"Machining form surfaces" by I.A. Druzhinskii. Reviewed by D.G. Gol'isler, A.M. Hazygraev. *Stan. i instr.* 33 no. 12:38-40 D '62.

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL-CUTTING TOOLS

(see also subdivision under Riga)

Cutter for machining pulley grooves for vee-belt transmissions. V.S. Antonov. *Stan. i instr.* 33 no. 12:34 D '62.

Cutting tool with changeable rake angle. A.I. Manushakian. *Mashinostroitel'* no. 12:22 D '62.

Formation of chip-breaking holes and grooves. A.P. Nikitin. *Stan. i instr.* 33 no. 12:36 D '62.

Hard-faced cutters for gold sheet metal cutting. A.P. Afanas'ev. *Stal'* 22 no. 12:1104 D '62.

High-speed shaped cutter. M.I. Kiselev. *Mashinostroenie* no. 5:107-108 S-O '62.

Machine for cutting rhombiform plates. M.I.A. Taran. *Khar. prom.* no. 4:46 O-D '62.

Parameters of cutting tools with small holes. M.O. Nodol'man. *Stan. i instr.* 33 no. 12:35-36 D '62.

Temperature deformations of hard-alloy cutting tools. E.V. Ryzhov, P.A. Vishniakov. *Vest. mashinostr.* 42 no. 12:63-65 D '62.

METAL-CUTTING TOOLS—TESTING

Effect of tempering conditions on the quality of cutting tools made of high-speed steel. I.U.A. Geller, V.A. Galkina. *Stan. i instr.* 33 no. 12:31-33 D '62.

METAL-CUTTING TOOLS—VIBRATION

Effect of the position of the cutting edge of boring tools on their vibration resistance. A.P. Dragan, V.N. Golubev. *Stan. i instr.* 33 no. 12:31 D '62.

METAL DRAWING see Drawing (Metalwork)

METAL INDUSTRIES see subdivision under Latvia

METAL-ROLLING see Rolling (Metalwork)

METALLIC FILMS

Effect of addition alloys on the kinetics of titanium oxidation. A.V. Revitskin. *Titan i ego splavy* no. 8: 191-206 '62.

Kinetics of titanium oxidation. A.V. Revitskin. *Titan i ego splavy* no. 8:175-190 '62.

METALLIC OXIDE

Adhesion of high polymers to metals. Part 3: Thickness and structure of the oxide film on a metallic substratum as affecting adhesion. I.U.I. Markin and others. *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 5 no. 5:808-814 '62.

Mechanism of the catalytic action of metallic oxides in the reaction of decomposition of formic acid. Part 1: Composition of the reaction products [with summary in English]. V.A. Komarov and others. *Zhur. fiz. khim.* 36 no. 12:2577-2581 D '62.

METALLOGRAPHY

Osipov, K.A. [Certain activated processes in hard metals and alloys] Nekotorye aktivirovanye protsessy v tverdykh metallakh i splavakh. Moskva, Izd-vo Akad. nauk SSSR, 1962. 130 p.

METALLURGIC CHEMISTRY see Chemistry, Metallurgic

METALLURGICAL FURNACES

Heat exchange in a layer of lump materials. V.N. Timofeev. *Sbor. nauch. trud. VNIIMT* no. 8:472-484 '62.

Large-capacity stack furnaces for the calcination of limestone. I.P. Stantsel'. *Stal'* 22 no. 12:1082-1083 D '62.

METALLURGICAL LABORATORIES—HANDBOOKS, MANUALS, ETC.

[Handbook on nonferrous and rare metals and their compounds used in laboratory practice; main indices of the quality of specimens] Spravochnik po tsvetnyim i redkim metallam i ikh soedineniyam, primenyaemym v laboratornoi praktike; osnovnye pokazateli kachestva preparatov. Sost. B.L. Porozhenko. Moskva, Goskhimizdat, 1962. 627 p.

METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

The main building of a concentration plant made of precast reinforced concrete. I.U. Kolomitschenko. *Prom. stroit. i inzh. soor.* 4 no. 5:24-28 S-O '62.

METALLURGICAL PLANTS—ELECTRIC EQUIPMENT

New magnetic and power controllers for cranes and metallurgical plants. L.L. Khoroshilkin. *Vest. elektroprom.* 34 no. 1:31-33 Ja '63.

METALLURGICAL PLANTS—EQUIPMENT AND SUPPLIES see subdivision under Dnepropetrovsk

METALLURGICAL PLANTS—WATER SUPPLY

Lainer, V.I. [Purification of waste waters in metallurgy] Voprosy obezvrezhivaniya stochnykh vod v metallurgii. Moskva, Metallurgizdat, 1962. 65 p.

METALLURGICAL RESEARCH

(see also subdivision under Dneprodzerzhinsk; Ukraine)

Public inspection of plans for scientific research and the introduction of achievements of science and technology into the national economy. *TSvet. met.* 35 no. 9:93 S '62.

METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur.: Met. no. 1 Ja '63.

METALLURGY—CONGRESSES

Meeting of the metallurgy, metallography, mining, and ore dressing section of the Academy of Sciences, Department of Technology, devoted to the discussion of technological objectives in the light of resolutions of the 22d Congress of the CPSU. A.A. Vertman. *Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl.* no. 6:203-213 N-D '62.

METALLURGY—TECHNOLOGICAL INNOVATIONS

Ideas, projects, and life. E. Muslin. *Znan. -stia* 37 no. 11:18-21 N '62.

METALS

Adsorption of ions of certain metals from water during siltion washing. Part 4. V.S. Sotnikov, A.S. Belanovskii, F.B. Nikitcheva. *Radiokhimiya* 4 no. 6:725-731 '62.

Surface tension and strength of solid metals. E.F. Pichugin. *Izv. vys. ucheb. zav. i fiz.* no. 6:77-84 '62.

Ways to lower the consumption of metal and the estimated cost of industrial construction through planning. S. Tilenov, A. Epshtein. *Prom. stroit. i inzh. soor.* 4 no. 5:5-9 S-O '62.

METALS—ANALYSIS

Analytic sampling by means of an electric discharge for standardization purposes in the spectrum analysis of metals and alloys. E.S. Obukhova, N.K. Rudnevskii, K.I. Taganov. *Izv. AN SSSR. Ser. fiz.* 27 no. 1: 6-7 Ja '63.

Dependence of the concentration of metal in the mercury drop on the time of enrichment with account of solution depletion. L.N. Vasil'eva, E.N. Vinogradova. *Zav. lab.* 28 no. 12:1427-1428 '62.

Polarographic behavior of tungsten, niobium, titanium, and iron present together in pyrophosphoric acid solutions [with summary in English]. D.I. Kurabatov, I.S. Skorynina. *Zhur. anal. khim.* 17 no. 8:711-717 S '62.

"Separation of heavy metals" by A.K. Da. Reviewed by I.P. Alimarin, I.U.A. Zolotov, O.M. Petruchin. *Zhur. anal. khim.* 17 no. 8:772 S '62.

METALS—BIBLIOGRAPHY see Bibliography—Metals

METALS—EXTRUSION see Extrusion (Metals)

METALS—FATIGUE

Investigating the role of grain boundaries on the development of the fatigue process. V.S. Ivanova. *Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl.* no. 6:90-97 N-D '62.

METALS—FINISHING

Improving the methods of the preparation of metal surfaces for painting. Z.B. Votukhmovskii, G.N. Darzhlo, V.I. Ushakova. *Lakokras. mat. i ikh prim.* no. 6:44-48 '62.

METALS—HANDBOOKS, MANUALS, ETC.

"Handbook on turbine and combustion engine metals" by P.B. Mikhailov-Mikheev. Reviewed by L.I.A. Liberman. *Energomashinostroenie* 8 no. 11:42 N '62.

METALS—HEAT TREATMENT

Kalinin, P.E. [Economics and production organization in heat-treatment workshops] Ekonomika i organizatsiya proizvodstva v termicheskikh tsakhakh. Moskva, Mashgiz, 1962. 111 p.

METALS—TESTING

Analysis of methods of estimation of the long-period strength of metals. L.M. Kachanov, E.A. Khein, N.V. Volkova. *Zav. lab.* 28 no. 12:1533-1535 '62.

Determination of the long-period strength of metals subjected to the action of liquid media. G.G. Maksimovich, F.P. Ianchishin. *Zav. lab.* 28 no. 12:1463-1465 '62.

Portable apparatus for removing parallel microlayers from metallic samples. M.B. Bronfin, N.N. Shabanov. *Zav. lab.* 28 no. 12:1506-1510 '62.

- METALS—THERMAL PROPERTIES**
Some regular features of the behavior of the heat conduction of metals and alloys. R. E. Krzhizhanovskii. *Teplota i massoper.* 1:115-125 '62.
Variation of the heat conduction of certain metals and alloys due to melting. B. P. Pashaev. *Teplota i massoper.* 1:126-130 '62.
- METALS—THERMODYNAMIC PROPERTIES**
Correlations between some thermodynamic electronic and electrochemical properties of metals. Part 1: Relation between work functions, zero charge potentials, and free energies of the metallic lattices [with summary in English]. N. E. Khomutov. *Zhur. fiz. khim.* 38 no. 12:2721-2726 D '62.
- METALS, EFFECT OF RADIATION ON**
Ray that hardens. L. Lifshits. *Zashch. stia* 37 no. 11: 10-11 N '62.
- METALS, EFFECT OF TEMPERATURE ON**
Anisotropy of the mechanical properties of 08 steel depending on the direction of working and the temperature of recrystallization. D. I. Makeev. *Sbor. Inst. stal i splav.* no. 40:200-209 '62.
- METALS, RARE AND MINOR**
(see also subdivision under Altai Mountains; Lovozero Tundra; Siberia)
Concentration by evaporation of rare elements in steppes and deserts. S. G. Batulin. *Vop. geog.* no. 59:158-163 '62.
Introduction of rare metals into the production of highly efficient materials. V. A. Obolonskii. *TSvet, met.* 55 no. 9:91-92 S '62.
Processes of replacement in rare-metal granite pegmatites. I. U. S. Slepnev. *Trudy IMGRE* no. 8:133-146 '62.
Schoeller, W. R., and A. R. Powell. [The analysis of minerals and ores of the rarer elements. Translated from the English] *Analiz mineralov i rud rodikh elementov. Pod obshch. red. I. U. N. Knipovich i N. P. Popova.* Moskva, Gosgeoltekhizdat, 1962. 447 p.
Zoning in rare-metal granite pegmatites. N. A. Solodov. *Trudy IMGRE* no. 8:20-84 '62.
- METALS AT HIGH TEMPERATURES**
Change in current carrier mobility in metals and semiconductors caused by melting [with summary in English]. A. R. Regel'. *Ukr. fiz. zhur.* 7 no. 8:833-835 Ag '62.
Determining the heat conductivity of metals at temperatures exceeding 1000°C. V. S. Gumeniuk, V. E. Ivanov, V. V. Lebedev. *Teplota i massoper.* 1:94-101 '62.
Stress-rupture strength at 700° in alloys on a TiAl compound base. I. I. Kornilov, T. T. Nartova. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl.* no. 6:142-146 N-D '62.
Variation of the electric resistance of Cu-Al solid solutions during heat treatment. V. E. Panin, V. P. Fedin, E. F. Dudarev. *Izv. vys. ucheb. zav. fiz.* no. 6:48-51 '62.
- METALWORK**
(see also subdivision under Turkmenistan)
Economic efficiency of using bent shapes. B. Peropelov. *Ekonom. Rad. Ukr.* no. 6:107-111 N-D '62.
- METALWORK—QUALITY CONTROL**
Introduce industrial esthetics and culture in metallurgy. S. Pevzner. *Metallurg* 8 no. 1:37-38 Ja '63.
- METALWORKERS**
Strengthening the unity and determination to act. Giacomo Adducci. *Vsem. prof. dvizh.* no. 12:37-41 D '62.
- METALWORKERS—DISEASES AND HYGIENE**
Introduce industrial esthetics and culture in metallurgy. S. Pevzner. *Metallurg* 8 no. 1:37-38 Ja '63.
- METALWORKING LUBRICANTS**
Use of atomized fluids is economically expedient. G. M. Nodel'. *Mashinostroitel'* no. 12:35 D '62.
- METALWORKING MACHINERY—ELECTRIC DRIVING**
Calculating the power required and selecting a type of electric drive for the coiler of a continuous cold rolling mill. I. A. N. Shpurnberg. *Trudy Ural. politekh. inst.* no. 119:84-89 '62.
- METAMORPHISM (GEOLOGY)**
Hypogene nonuniform dissolution of quartz in iron-bearing quartzites of the Kurak Magnetic Anomaly. A. S. Egorov. *Dokl. AN SSSR* 147 no. 4:920-923 D '62.
Spectrochemical characteristics of the metamorphism of coal. V. I. Kasatichkin, O. I. Egorova, O. I. Gavrilova. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl.* no. 6:192-195 N-D '62.
- METAPHOSPHORIC ACID**
Determination of sodium metaphosphate in metaphosphoric acid. R. E. Osherovich. *Zav. lab.* 28 no. 12: 1436 '62.
- METASEQUOIA** see subdivision under Ukraine
- METEORITES**
Craters caused by meteorites. I. A. Nekrasov, P. A. Raudonius. *Priroda* 52 no. 1:102-104 '63.
- METEOROLOGICAL RESEARCH**
Conferences, meetings, and seminars. *Meteor. i gidrol.* no. 1:51 Ja '63.
[Modeling of atmospheric and hydrospheric phenomena] *Modelirovanie iavlenii v atmosfere i gidrosfere; trudy Pervoi mezvedomstvennoi konferentsii 22-26 nojabria 1960 g. Moskva, Izd-vo Akad. nauk SSSR, 1962. 163 p. [MICROFILM]*
Quantitative method of determining the date of the beginning of a natural synoptic period. S. T. Pavliva. *Meteor. i gidrol.* no. 1:16-24 Ja '63.
- METEOROLOGY**
(see also subdivision under Soviet Central Asia)
From international scientific life. *Meteor. i gidrol.* no. 1:62 Ja '63.
Institutions of the Hydrometeorological Service. *Meteor. i gidrol.* no. 1:59-61 Ja '63.
- METEOROLOGY, AGRICULTURAL**
Effect of predecessors and weather conditions on the yield of buckwheat. V. A. Iakymenko. *Visnyk sil'hosp. nauky* 5 no. 12:38-42 D '62.
- METEOROLOGY IN AERONAUTICS**
Is there a thunderstorm on the airway? N. Makarov. *Grazhd. av.* 19 no. 9:22-24 S '62.
- METEORS**
Air currents in the meteor zone observed by radar [with summary in English]. I. A. Lyzenko. *Astron. zhur.* 40 no. 1:181-170 Ja-F '63.
Bright fireball above Kiev. E. I. Vsekhvatskain, S. K. Vsekhvatskii. *Astron. tsir.* no. 22:13 O '61.
Determination of radiant of telescopic meteors. V. E. Shtepan. *Astron. tsir.* no. 22:28-29 F '62.
Observations of telescopic meteors in Armavir. V. E. Shtepan. *Astron. tsir.* no. 22:18 S '61.
Telescopic meteors and atmospheric tides. V. E. Shtepan. *Astron. tsir.* no. 22:11-12 O '61.
- METEORS—AUGUST**
Observation of meteors of Perseid shower in August 1961. A. P. Savrukhn. *Astron. tsir.* no. 22:10-11 O '61.
Observations of anomalous Perseids in Sofia. N. S. Nikolov, M. P. Kalukov. *Astron. tsir.* no. 22:26-27 F '62.
- METEORS—OCTOBER**
Observations of Orionids in Kazan in 1961. Kh. Gul'medov. *Astron. tsir.* no. 22:24-25 F '62.
- METHACRYLIC ACID**
Copolymers of salts of unsaturated dicarboxylic acids with methacrylic acid [with summary in English]. E. V. Kuznetsov, V. E. Lozhkin. *Vysokom. soed.* 5 no. 1:24-27 Ja '63.
Polymers on the basis of condensation products of furfural with acetone. Copolymers of difurfurylideneacetone with methyl methacrylate and styrene. I. V. Kamenskii, V. I. Iinskii, A. N. Kuznetsov. *Plast. massy* no. 12:21-22 '62.
Separation of methacrylic acid - water mixtures. A. F. Prolov, M. A. Loginova, B. F. Ustavshchikov. *Neftekhimika* 2 no. 5:768-770 S-O '62.
Synthesis of copolymers of allyl glycid ether and methylmethacrylate. M. F. Sorokin, E. L. Khinchina. *Lakokras. mat. i kh. prim.* no. 5:10-17 '62.
Synthesis of graft copolymers and study of their properties. Part 2: Sizes, configurations, and optical properties of the macromolecules of methyl methacrylate-styrene graft copolymer [with summary in English]. V. N. TSvetkov and others. *Vysokom. soed.* 5 no. 1: 3-10 Ja '63.
- METHANE**
Conversion of methane to acetylene in a plasma jet. G. V. Guliaev and others. *Neftekhimika* 2 no. 5:703-704 S-O '62.
Formation of hydrogen cyanide in the adiabatic compression of methane mixtures with ammonia. D. S. TSikids, M. D. Borodina. *Dokl. AN SSSR* 147 no. 4: 880-882 D '62.
Mosquitoes and methane. A. A. Pisklak. *Priroda* 52 no. 1:70 '63.
School experiments on chemical transformation of methane. S. Mizera, I. Kogoukova. *Khim. v shkole* 17 no. 6:70-82 N-D '62.
- METHANE—TOXICOLOGY**
"Adaptation" of animals to tetranitromethane. A. I. Korbakova, V. I. Fedorova. *Toks. nov. prom. khim. veshch.* no. 4:134-143 '62.
- METHANOL**
Aryl methane dyes. Part 4: Acid-base properties of 4-dimethylaminotriphenylcarbinol. N. G. Belotserkovskaya, O. F. Ginzburg. *Zhur. ob. khim.* 33 no. 1:160-165 '63.
Saponification of nitric esters, derivatives of p-nitrophenylmethylcarbinol. L. M. Iagupolskii, I. U. A. Piskov. *Zhur. ob. khim.* 33 no. 1:308-314 '63.
- Synthesis of methanol for determining natural radioactivity by the scintillation method [with summary in German]. A. Litva, E. Ives. *Izv. AN Est. SSR, Ser. fiz.-mat. i tekhn. nauk* 11 no. 4:272-276 '62.
- METHENE**
Prototropic rearrangement in the dipyrrolylmethene series. L. D. Miroshnichenko, R. P. Evstigneeva. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:50-52 Ja '63.
- METHYL GROUP**
Catalytic demethylation of toluene. G. N. Meslitskii, G. L. Robinovich. *Neftekhimika* 2 no. 5:709-715 S-O '62.
Determination of methyl and methylene groups in narrow paraffine and paraffine-naphthene fractions on the basis of infrared absorption spectra. S. I. Krasnova and others. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:98-99 Ja '63.
- METHYL PHOSPHATES**
Selective modification of sterility produced by dimethyl phosphate and other compounds. I. A. Rapoport. *Dokl. AN SSSR* 147 no. 4:943-946 D '62.
- METHYL VIOLET**
Reaction of boron detection by methyl violet. M. P. Babkin, R. D. Sechnun. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 5 no. 6:847-848 '62.
- METHYLENE GROUP**
Determination of methyl and methylene groups in narrow paraffine and paraffine-naphthene fractions on the basis of infrared absorption spectra. S. I. Krasnova and others. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:98-99 Ja '63.
- MEXICO—CHILDREN—LAW**
Mexico needs a law protecting the children. Adelina Zendejas. *Zhen. mira* no. 2:6-7, 32 '62.
- MEXICO—FOREIGN RELATIONS**
A "drifting" continent. I. U. Gvozdev. *Nov. vrem.* 20 no. 8:20-22 F '63.
- MEXICO—SOCIAL LIFE AND CUSTOMS**
The "Calaveras," old Mexican customs. Sandra Maldonado. *Zhen. mira* no. 10:23-26 '62.
- MEZEN' VALLEY—GEOLOGY, STRATIGRAPHIC**
On the Ufa stage in the upper reaches of the Mezen' River. V. A. Molin. *Dokl. AN SSSR* 147 no. 4:504-505 D '62.
Recent data on the stratigraphy of Quaternary deposits and the paleogeography of the Mezen' River basin. E. N. Bylinakii. *Dokl. AN SSSR* 147 no. 6:1421-1424 D '62.
- MEZEN' VALLEY—PALEOGEOGRAPHY**
Recent data on the stratigraphy of Quaternary deposits and the paleogeography of the Mezen' River basin. E. N. Bylinakii. *Dokl. AN SSSR* 147 no. 6:1421-1424 D '62.
- MIASS—GRAIN—DRYING**
Reconstruction of the DSP-24an grain dryer at the Miass Grain Receiving Station. B. Damman, L. Kim. *Muk. i elev. prom.* 28 no. 10:18-19 O '62.
- MICE** see subdivision under Khoper Preserve
- MICELLES**
Adsorption of sulfonated aliphatic alcohols from aqueous salt solutions by channel black and graphite [with summary in English]. A. M. Koganovskii. *Koll. zhur.* 24 no. 6:702-708 N-D '62.
- MICHEL, LOUISE, 1830-1905**
"Book written in jail" [in German] by Louise Michel. Book review. *Zhen. mira* no. 7:28 '62.
- MICHURINSK—ALCOHOLISM AND CRIME**
We should examine, help, and organize. P. Shibanov. *Sov. deput. trud.* no. 1:68-69 Ja '63.
- MICHURINSK—POLITICS AND GOVERNMENT**
He didn't ask the deputies to approve his decision. P. Novikov. *Sov. deput. trud.* no. 6:55 Jo '62.
- MICHURINSK DISTRICT—APPLE—DISEASES AND PESTS**
Cicadas of the genus *Edwardsiana* (Homoptera, Eupterygidae) as apple pests in the U.S.S.R. E. M. Markelova. *Ent. oboz.* 41 no. 4:737-740 '62.
- MICHURINSK DISTRICT—EDWARDSIANA**
Cicadas of the genus *Edwardsiana* (Homoptera, Eupterygidae) as apple pests in the U.S.S.R. E. M. Markelova. *Ent. oboz.* 41 no. 4:737-740 '62.
- MICHURINSK DISTRICT—TOMATOES**
Increasing the drought resistance and yields of tomatoes. K. L. Mart'ianova, Z. P. Gubanova, V. K. Zhurikhin. *Vest. sel'khoz. nauki* 7 no. 5:40-41 My '62.
- MICROBIAL METABOLITES**
Toxins, enzymes, and other metabolism products of micro-organisms; review of literature. V. N. Orshanskaya. *Agrobiologiya* no. 8:945-951 N-D '62.

MICROBIOLOGY

Genkel', P. A. [Plant physiology and the principles of microbiology] *Fiziologiya rastenii s osnovami mikrobiologii*; uchebnik dlia pedagogicheskikh institutov. Izd. 2., perer. i ispr. Moskva, Uchpedgiz, 1962. 535 p. "Introduction to geological microbiology" by P. M. Murzhev and others. A book review. *Izv. AN SSSR, Ser. biol.* no. 6:951-952 N-D '62.

Microbe as a biological model. M. Zhukov-Verezhnikov. *Nauka i zhyttia* 12 no. 9:23-24 S '62.

MICROBIOLOGY—CONGRESSES

Eighth Microbiological Congress. A. A. Imshenetski. *Vest. AN SSSR* 33 no. 1:66-69 Ja '63.

Second International Symposium on Continuous Culture of Micro-Organisms. V. I. Arovenko. *Spir. prom.* 28 no. 8:13-16 '62.

MICROCLIMATOLOGY

(see also subdivision under Transbaikalia)
Making use of microclimatic factors in agriculture [with summaries in English, German, and French]. I. A. Gol'tsberg. *Vest. sel'khoz. nauki* 7 no. 11:39-44 N '62.

MICROMETER

Theory of wide scale pairs [with summary in English]. A. A. Gurshtein. *Astron. zhur.* 40 no. 1:178-179 Ja-F '63.

MICRO-ORGANISMS

Transformation of micro-organisms. *Agrobiologiya* no. 6:803 N-D '62.

Transformation of micro-organisms under the effect of protein fractions without the participation of deoxyribo-nucleic acid. V. N. Polshkova, P. P. Sakharov. *Agrobiologiya* no. 6:804-813 N-D '62.

MICRO-ORGANISMS, NITROGEN—FIXING

A new local strain of root nodule bacteria of sainfoin. *Vysnyk sil'kosp. nauky* 5 no. 12:107-108 D '62.

Nitrogen composition of bleeding sap in pea plants bacterized with strains of nodule bacteria of various effectivity [with summary in English]. V. K. Shil'nikova. *Izv. AN SSSR, Ser. biol.* no. 6:840-844 N-D '62.

MICROPALAEONTOLOGY see subdivision under Kara-Bogaz-Gol (Gulf) region

MICROPALAEONTOLOGY, STRATIGRAPHIC see subdivision under Yakutia

MICROPHOTOMETER

Intensity microphotometer. E. V. Kononovich. *Astron. istr.* no. 227:13-15 F '62.

Recording microphotometer with intensity registration [with summary in English]. N. D. Kalinikov, A. L. Stolev. *Astron. zhur.* 40 no. 1:171-175 Ja-F '63.

MICRO-RADIOGRAPHY

Studying whetker crystals of sodium chloride by the micro-radiographic method. I. N. Zimkin, E. M. Nadjornyi, B. I. Smirnov. *Fiz. tver. tela* 5 no. 1:170-176 Ja '63.

MICROWAVE COMMUNICATION SYSTEMS

Theoretical and experimental study of the power of transient interference during multibeam reception. I. A. Gushatinskii, E. I. A. Ryskin. *Elektrosvyaz'* 10 no. 12: 3-13 D '62.

MICROWAVE RELAY SYSTEMS see Radio relay systems

MICROWAVE TUBES

Consideration of space charge in the calculation of the pulsations of the electron flow in E-type tubes. G. N. Korostelev. *Radiotekh. i elektron.* 8 no. 1:116-126 Ja '63.

MICROWAVES

Approximate calculation of a matching device for a septate wave guide. A. I. Zykov. *Radiotekh. i elektron.* 8 no. 1:80-88 Ja '63.

Astashevskiy, P. T. [Atomic radio engineering] *Atomnaya radiotekhnika*. Moskva, Gosatomizdat, 1962. 88 p.

Concerning the use of α -transformations in the solution of travelling-wave tube equations. A. F. Golubentsev. *Radiotekh. i elektron.* 8 no. 1:108-115 Ja '63.

Contribution to the theory of phasechroon "O"-type devices with helical electron beams. G. N. Rapoport, V. A. Zhurakhovskii. *Izv. vys. ucheb. zav. ; radiotekh.* 5 no. 8:707-713 N-D '62.

Experimental study of the reflection of electromagnetic waves from a system consisting of slatted cylindrical waveguides [in Georgian with summary in Russian]. D. K. Kvavadze, D. S. Chikovan, T. G. Khundzhua. *Trudy Inst. geofiz. AN Gruz. SSR* 20:27-35 '62.

Focusing of an electron beam at the input to a magnetic field of an output travelling-wave tube. A. L. Igritskii. *Radiotekh. i elektron.* 8 no. 1:130-137 Ja '63.

Formation of a relativistic ribbon beam of charged particles. V. P. Ignatenko. *Radiotekh. i elektron.* 8 no. 1: 127-129 Ja '63.

Matching devices for ridge-type delay systems. L. M. Andrushenko, V. E. Chaika. *Izv. vys. ucheb. zav. ; radiotekh.* 5 no. 8:738-737 N-D '62.

Temperature of a sphere-shaped ferrite heated by microwave power absorbed at ferromagnetic resonance. G. B. Bogdanov. *Radiotekh. i elektron.* 8 no. 1:181-183C Ja '63.

Terent'ev, S. N., and V. F. Kartavykh. [Triode S-band transmitters] *Triodnye peredatchiki detsimetrovykh voln.* Kiev, Gostekhlizdat USSR, 1962. 345 p.

MIDDLE AGES—BIBLIOGRAPHY see Bibliography—Middle Ages

MIDDLE EAST see Near East

MILDEW

(see also subdivision under Soviet Far East)

Effect of a root mentor on the acquisition of resistance to mildew in the seeded progeny of the European grape. D. D. Verderevskii, K. A. Volovich, I. N. Naidenova. *Agrobiologiya* no. 6:841-842 N-D '62.

MILISTEPPE see Kura Lowland

MILIKAN RAYS see Cosmic rays

MILITARISM see subdivision under Germany, West

MILITARY ARCHITECTURE

Kostochkin, V. V. [Russian defensive architecture from the end of the 13th to the beginning of the 16th century] *Russkoe oboronochnoe zochestvo kontsa XIII-nachala XVI vekov.* Moskva, Izd-vo Akad. nauk SSSR, 1962. 288 p.

MILITARY ART AND SCIENCE

Party ideology in military science. V. Sergeev. *Komm. Vooruzh. Sil* 3 no. 1:20-27 Ja '63.

MILITARY ART AND SCIENCE—BIBLIOGRAPHY see Bibliography—Military art and science

MILITARY ASSISTANCE, AMERICAN see subdivision under Vietnam, South

MILITARY BASES, AMERICAN see subdivision under Asia; Spain

MILITARY BASES, FOREIGN see subdivision under Maldives Islands

MILITARY DISCIPLINE

Combination of measures of persuasion and compulsion in training troops. A. Kopelev. *Komm. Vooruzh. Sil* 3 no. 1:46-50 Ja '63.

Order of the commander. I. Litvinov. *Voen. znan.* 39 no. 1:8-9 Ja '63.

Without faith in people... N. Avramenko. *Komm. Vooruzh. Sil* 3 no. 1:58 Ja '63.

MILITARY EDUCATION

(see also subdivision under Gorkiy Province; Tatar A. S. R.; Volgograd)

Decisive conditions for new successes. *Voen. znan.* 39 no. 1:16-16 Ja '63.

Incorporate the experience acquired in the use of new arms and equipment in combat training practices. *Mor. zhur.* 46 no. 1:3-8 Ja '63.

Leadership training of officers is the center of attention. A. Stenin. *Komm. Vooruzh. Sil* 3 no. 1:34-39 Ja '63.

Soldiers, sons of soldiers. O. Valentinov. *Sov. voyn* 45 no. 1:20 Ja '63.

Train soldiers and sailors in the revolutionary and battle traditions. V. Korneev. *Komm. Vooruzh. Sil* 3 no. 1:65-70 Ja '63.

Vorob'ov, A. A. [The Communist Youth League and the training of sergeants] *Komsomol'skaya organizatsiya i voennoye srozhaniye.* Moskva, Voen. izd-vo M-va oborony SSSR, 1955. 61 p. (Biblioteka komsomol'skogo aktivista)

Word to future officers. *Sov. voyn* 45 no. 2:30-31 Ja '63.

MILITARY INTELLIGENCE

For a captured informant. M. Novigatskii. *Voen. znan.* 39 no. 1:7 Ja '63.

MILITARY LAW

The Soviet Army is the army of the socialist national state. I. F. Pobezhimov. *Sov. gos. i pravo* 33 no. 2: 88-76 F '63.

MILITARY MUSEUMS

History of Soviet military museums. E. I. Vostokov. *Trudy NIIM* no. 7:204-239 '62.

Outline history of military museums in Russia from 1881 to 1917. A. M. Razgon. *Trudy NIIM* no. 7:118-203 '62.

MILITARY POLICY

"Limited strategic war" [in English] by Klaus Knorr, Thornton Read. Reviewed by G. Gerasimov. *Mezhdunar. zhizn'* 10 no. 3:138-140 Mr '63.

MILITARY RECONNAISSANCE

Aerial television reconnaissance. S. P. Sychev. *Mor. zhur.* 46 no. 1:31-36 Ja '63.

MILK

Effect of feeding on the development of the skeleton in heifers and on the formation of their milk yield [with summaries in English, German, and French]. I. A. Lebedev. *Vest. sel'khoz. nauki* 7 no. 11:74-81' N '62.

MILK—COMPOSITION

Ammonia content of the milk of cows fed urea and sodium sulfate. P. Z. Lahodiuk. *Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSS* 14 no. 4:33-36 '61.

Changes of the nitrogenous fractions of milk at various levels of protein nutrition of cows. I. U. P. Morozov, A. P. Sazonov, L. A. Frolov. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:311-312 '62.

Effect of feeding sodium sulfate on the processes of fermentation in the rumen of cows and the increase of the fat content of milk. F. U. Palfi. *Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSS* 14 no. 4:37-43 '61.

Effect of temperature influences on the amino acid composition of milk proteins. N. P. Bakulina. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:323-326 '62.

Effect of the level of protein nutrition of cows on the protein content of milk. S. A. Evstaf'ev and others. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:315-318 '62.

Protein content of cow's milk as related to the season. I. U. N. Morozov. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:319-321 '62.

MILK—STANDARDS

Apparatus for milk separation and standardization. P. T. Melnikov. *Khar. prom.* no. 4:68-70 O-D '62.

MILK VETCHES see subdivision under Azerbaijan

MILKING

(see also subdivision under Kazakhstan)

Chuvakin, A. A., and B. A. Kuz'min. [The "herringbone" arrangement for milking parlors was born in meadows] *V lugakh rodilas' "Elochka."* [Riazan'] *Riazanskoe knizhnoe izd-vo*, 1961. 47 p. (DNAL)

MILKING—HYGIENIC ASPECTS

Hands of a milkmaid. I. M. Grigorovskii. *Sov. Krae. krest* 12 no. 4:26 Ji-Ag '62.

MILLINERY

Slozhina, L. K. [Women's headdresses] *Zhenskoe golovnoye ubory.* [Leningrad] Gosmestpromizdat, 1962. 104 p.

MILLING MACHINERY

(see also subdivision under Australia)

Automation of ball mill feeding operations using drum pressure signaling impulses. B. G. Sinakevich. *Elek. sta.* 33 no. 10:78-80 O '62.

Design of hammer mills with different types of separators. V. D. Krigmont. *Teplotoenergetika* 9 no. 12:14-18 D '62.

Electric mill for crushing oilseeds. O. O. Lesiuts.

Khar. prom. no. 4:42-43 O-D '62.

High-capacity ball mills. M. L. Kisel'gov, K. I. A. Polferov. *Teplotoenergetika* 9 no. 12:2-9 D '62.

Study of the operation of a conical ball mill grinding anthracite culm. L. M. Kapel'son, B. S. Karpov. *Teplotoenergetika* 9 no. 12:9-13 D '62.

MILLING MACHINES

Semiautomatic face-milling machine. M. E. Shatnaki, B. M. Tsyganovskii. *Mashinostroenie* no. 5:10 S-O '62.

MILLING MACHINES—ATTACHMENTS

Attachments for multiple milling. A. S. Kotlarov. *Mashinostroenie* no. 5:80 S-O '62.

New milling attachments. *Mashinostroitel'* no. 12:41 D '62.

MILLING MACHINES—ELECTRIC DRIVING

Investigating electromechanical braking of the driving gear of a milling machine. A. A. Bul'kanov, S. L. Shmuter. *Stan. i instr.* 33 no. 12:21-24 D '62.

MILLING MACHINES—NUMERICAL CONTROL

Shadrin, V. N. [A magnetic tape recorder controls a milling machine] *Magnitofon upravlyaet stankom.* Moskva, Gosenergoizdat, 1962. 46 p. (Massovaya radio-biblioteka, no. 444)

MINAEV, IVAN PAVLOVICH, 1840-1890

Folklore and ethnography of India based on Ivan Pavlovich Minaev's materials and collections. A. T. Abramov. *Izv. Vses. geog. ob-va* 94 no. 5:523-527 N-D '62.

MINE BUILDINGS

Experimental building for both administrative offices and employee facilities at mine No. 21. I. Terzian. *Prom. stroit. i inzh. soor.* 4 no. 5:42-44 S-O '62.

In the Scientific Research Institute for Construction Above Mines. *Blud. stroit. tekhn.* 10 no. 12:41-42 D '62.

MINE COMMUNICATIONS

(see also subdivision under Achikay region)

Volokovskii, S. A., and others. [Remote control and communications in mining] *Rudnichnaya telemekhanika i svyaz'*. [By] V. A. Bun'ko i dr. Moskva, Gosgortekhnizdat, 1962. 258 p.

- MINE DRAINAGE** see subdivision under Kursk Magnetic Anomaly
- MINE DUSTS**
Ksenofontova, A. I., and others. [Guide for reducing dust formation by the preventive wetting of coal seams through holes in the walls for workers in dust control in coal mines and planning organizations] *Rukovodstvo dlia rabotnikov pylevykh i shchelochnykh organizatsii po predvaritel'nomu uvlazhneniu ugo'nykh plastov cherez shpury v lavakh s isel'iu snizheniia pyleobrazovaniia*. Moskva, Mosk. gornyi in-t., 1961. 22 p.
[MICROFILM]
- MINE DUSTS—REMOVAL** see subdivision under Krivoy Rog Basin
- MINE FILLING**
(see also subdivision under Zyrinovsk District)
Solidifying hydraulic fill from tailings from ore-dressing plants. M. I. Agoshkov, L. I. Burtsev, A. L. Trebukov. *Gor. zhur.* no. 1:41-44 Ja '63.
- MINE FILLING—EQUIPMENT AND SUPPLIES**
Determination of the volume and the rate of transfer of reservoirs on hydraulic filling apparatus. V. V. Dobrovolskii. *Mekh. i avtom. v gornoi prom.* no. 2:107-116 '62.
- MINE GASES**
(see also subdivision under Kuznetsk Basin)
Estimation of the likelihood of outbursts in coal seams. B. M. Ivanov. *Nauch. soob. IGD* 14:99-110 '62.
Petrosian, A. E., and I. V. Sergeev. [Methodology of determining the gas concentration of workings in mining coal without men in the pits] *Metodika opredeleniia gazooblasti v vyrobokakh pri bezludnoi vyemke ugla*. Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1962. 30 p.
[MICROFILM]
Strength properties of coal seams as an indicator of the likelihood of outbursts. G. N. Feit. *Nauch. soob. IGD* 14:98-99 '62.
- MINE HAULAGE**
Heavy-duty trucks for the mining industry. Z. L. Stratik, A. V. Zolov. *Gor. zhur.* no. 1:55-61 Ja '63.
- MINE HOISTING**
Mine shaft signaling by sending the signal from the cage. A. Z. Pevzner. *Gor. zhur.* no. 5:52-54 My '62.
Water does the work. P. Shtylov. *Nauka i zhyt'ia* 12 no. 10:24 O '62.
- MINE HOISTING—ELECTRIC DRIVING**
Study of the operating conditions of a constantly filling turboclutch with a two-speed asynchronous electric motor, relative to the operating conditions of small hoists and winches. Kh. T. Alimkhodzhev. *Mekh. i avtom. v gornoi prom.* no. 2:282-290 '62.
- MINE RAILROADS**
Selecting the type of traction for use under the conditions of strip mining. E. A. Ashkenazi. *Vest. TSNI MPS* 21 no. 8:36-40 '62.
Study of the performance of the hydroelectric drive on an n.c. contact-type mine locomotive in transient operation. E. F. Kasov. *Mekh. i avtom. v gornoi prom.* no. 2:101-103 '62.
- MINE RAILROADS—CARS**
Improving the construction and increasing the serviceable period of dump cars. A. E. Laptev. *Gor. zhur.* no. 5:43-44 My '62.
- MINE RAILROADS—ELECTRIC EQUIPMENT**
Study of the networks of contactless transducers for use on railroad tracks. V. P. Bukhgal'ta. *Mekh. i avtom. v gornoi prom.* no. 2:374-386 '62.
- MINE ROOF BOLTING**
(see also subdivision under Chislara region)
Mechanization of the erection of rod bolting. V. I. A. Zaslav, O. B. Pavlov, S. G. Boliaev. *Gor. zhur.* no. 5:46-48 My '62.
Relationship between strain on the rods and rock displacement in the roofs of steeply dipping mines. B. I. Strygin. *Gor. zhur.* no. 5:28-29 My '62.
- MINE TIMBERING**
(see also subdivision under Donetsk Basin)
Burlakov, V. N., and E. A. Foetli. [Mine timbering] *Krepil'shchiki gornyykh vyrobok*. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 151 p.
Calculations for the lock of pole timbers. A. N. Ropnikov. *Osn., fund. i mekh. grun.* 4 no. 8:23-24 '62.
- MINE VENTILATION**
Using automatic ventilation doors. V. G. Grebeniuk and others. *Gor. zhur.* no. 5:74-75 My '62.
Voronina, L. D., A. D. Bagrinovskii, and V. S. Nikitin. [Design of mine ventilation] *Raschet rudnichnoi ventilatsii*. Moskva, Gosgortekhnizdat, 1962. 486 p.
- MINE VENTILATION—EQUIPMENT AND SUPPLIES**
New fan for large mines. I. A. Raskin. *Gor. zhur.* no. 1:65-66 Ja '63.
- MINE WATER**
"Ways of controlling water in potassium and salt mines during shaft sinking" by N. G. Trupak. Reviewed by M. B. Samoilovskii. *Gor. zhur.* no. 5:80 My '62.
- MINERAL AGGREGATES** see Aggregates (Building materials)
- MINERAL INDUSTRIES—BY-PRODUCTS**
Trace elements from mine rocks. I. A. Lantovskii. *Visnyk sil'hosp. nauky* 5 no. 12:84-86 D '62.
- MINERAL INDUSTRIES—CONGRESSES**
Scientific Technological Conference on Rock Breaking. B. M. Logutsov. *Gor. zhur.* no. 5:78-79 My '62.
- MINERAL INDUSTRIES—PERIODICALS**
Conference of the readers of "Gornyi zhurnal" in Krivoy Rog. E. M. Sukacheva. *Gor. zhur.* no. 1:78-79 Ja '63.
- MINERAL WATERS**
(see also subdivision under Cherdyn' District; Kamchatka; Shakhbuz District)
A person possessing a noble spirit. E. S. Volkova. *Vest. aviatsii* 22 no. 12:27 D '62.
- MINERAL WOOL** see subdivision under Tashkent District
- MINERALOGY**
(see also subdivision under Lovozero Tundra; Ukraine)
Vsesoluznoe soveshchanie po fizicheskim metodam issledovaniia osadochnykh porod i mineralov. *Lit. Moscow, 1960. [Physical research methods of sedimentary rocks and minerals] Fizicheskie metody issledovaniia osadochnykh porod i doklady*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 270 p.
- MINERALOGY, DETERMINATIVE**
Schoeller, W. R., and A. R. Powell. [The analysis of minerals and ores of the rarer elements. Translated from the English] *Analiz mineralov i rud redkikh elementov*. Pod obshch. red. I. U. N. Knipovich i N. P. Popova. Moskva, Gosgeoltekhizdat, 1962. 447 p.
- MINERALS** see subdivision under Sayan Mountains
- MINERALS—ANALYSIS** see subdivision under Dnieper Valley
- MINERALS IN SOIL** see subdivision under Sayan Mountains
- MINERS' PHTHISIS**
Conference on controlling silicosis V. F. Firsov. *Gor. zhur.* no. 5:78 My '62.
- MINES AND MINERAL RESOURCES** see subdivision under Khrustal'nyi; Kola Peninsula; Ukraine
- MINIATURE PAINTING**
Living miniature. L. Rubinshtein. *Most, prom. i khud. promysla* 3 no. 11:30-31 N '62.
- MINING ENGINEERING**
"Developing ore deposits" by V. D. Timov. Reviewed by G. M. Malakhov, P. N. Taran, A. P. Chernous. *Gor. zhur.* no. 1:78-80 Ja '63.
Effect of the rate of mining on the character of rock pressure distribution across the strike of a deposit. N. A. Solomatin. *Met. i gornorud. prom.* no. 5:45-48 S-O '62.
New technical methods and equipment for underground mining in apatite mines. V. V. Gushchin and others. *Gor. zhur.* no. 1:35-40 Ja '63.
Results of the first four years of the seven-year plan and problems of the mining industry. P. E. Sledzik. *Gor. zhur.* no. 1:3-8 Ja '63.
Seminar on automation of the production processes in mines. V. M. Popov. *Gor. zhur.* no. 1:78 Ja '63.
- MINING ENGINEERING—ABSTRACTS**
[Mining] *Ref. zhur.* Gor. dolo no. 1 Ja '63.
- MINING ENGINEERING—BIBLIOGRAPHY** see Bibliography—Mining engineering
- MINING ENGINEERING—PROBLEMS, EXERCISES, ETC.**
"Problems on mining engineering" by R. N. Khadzhikov. Reviewed by A. I. Il'ukhin. *Sred. spets. obr.* 10 no. 1:58-59 Ja '63.
- MINING ENGINEERING—STUDY AND TEACHING**
Production training of students in the mining industry. I. E. Mokin. *Sov. pedagog.* 26 no. 12:44-49 D '62.
Technician and production. L. S. Mekler. *Sred. spets. obr.* 9 no. 11:31-34 N '62.
- MINING GEOLOGY—BIBLIOGRAPHY** see Bibliography—Mining geology
- MINING MACHINERY**
Basic principles in the selection of the parameters of cyclical feeders. L. D. Borisenko, E. K. Reshetnev. *Mekh. i avtom. v gornoi prom.* no. 2:161-165 '62.
Classifying vibrating transportation equipment. I. F. Goncharevich. *Mekh. i avtom. v gornoi prom.* no. 2:144-161 '62.
Creating new machinery for coal and metal mining. G. A. Meshkovskii, V. N. Pokhodzilo. *Met. i gornorud. prom.* no. 5:87 S-O '62.
Determining the forces acting on the cutters of mining combines. L. B. Glatman. *Nauch. soob. IGD* 14:55-65 '62.
Discussion of I. A. B. Kal'nitskii and S. P. Vasil'evskii's article "Problems in the automation of stoping equipment in the mining industry." A. S. Sergeev, V. I. Blagonravov. *Gor. zhur.* no. 5:48-52 My '62.
His heart prompted him. P. Skubko. *Nauka i zhyt'ia* 12 no. 11:16 N '62.
Machinery for upraise mining. A. T. Zatonikh, B. P. Vishnevskii. *Blud. tekhn. i ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform.* no. 12:19-22 '62.
Solution to the problem of automatically stabilizing the movement of a tracklaying mining machine. V. T. Snagin. *Mekh. i avtom. v gornoi prom.* no. 2:304-325 '62.
Using the linear programming method in planning the operation of equipment in an open-pit mine. A. V. Druzhinin. *Gor. zhur.* no. 1:28-34 Ja '63.
- MINING MACHINERY—HYDRAULIC DRIVE**
Study of the equilibrium of the operation of radial piston, high-moment, hydraulic engines. I. F. Ponomarenko. *Mekh. i avtom. v gornoi prom.* no. 2:203-227 '62.
Study of the transient process in the volumetric hydraulic drive of cutters and cutter-loaders. M. Alimov. *Mekh. i avtom. v gornoi prom.* no. 2:287-291 '62.
- MINSK—AUTOMOBILE INDUSTRY—AUDITING AND INSPECTION**
National property under public control. M. Gorbachev. *Komm. Bel.* 38 no. 11:44-48 N '62.
- MINSK—BALLET DANCING—STUDY AND TEACHING**
Little ballerinas. R. Pilatukhouskaya. *Rab. i stal.* 38 no. 5:13 My '62.
- MINSK—BEARING INDUSTRY**
Iashcheritsyn, P. I. [Our practice in the modernization of equipment and automation of production processes] *Nash opyt modernizatsii oborudovaniia i avtomatizatsii proizvodstva*. Minsk, Gosizdat BSSR, 1962. 96 p.
- MINSK—DEPARTMENT STORES**
Department store which will have 300 employees. N. Zarovkina. *Zhili. stroi.* no. 2:24-25 '62.
- MINSK—ELECTRIC EQUIPMENT INDUSTRY**
A minute saves hours. T. Senlul. *Komsom. zhizn'* no. 19:3-4 O '62.
- MINSK—ELECTRIC WELDING**
Men in a burning profession. D. Isakov. *Sov. voen.* 45 no. 2:21 Ja '63.
- MINSK—ENCEPHALOMYELITIS**
Pathological anatomy of encephalomyocarditis in newborn infants caused by the Coxsackie virus. A. V. Chutkina. *Zdrav. Bel.* 8 no. 12:39-42 D '62.
- MINSK—HEART—DISEASES**
Pathological anatomy of encephalomyocarditis in newborn infants caused by the Coxsackie virus. A. V. Chutkina. *Zdrav. Bel.* 8 no. 12:39-42 D '62.
- MINSK—STOMATOLOGY**
Work of the stomatological service of the city of Minsk for 1961. E. Ivus. *Zdrav. Bel.* 8 no. 12:54-58 D '62.
- MINSK—TUBERCULOSIS—HOSPITALS AND SANATORIUMS**
First antituberculosis ambulatorium in White Russia. M. B. Kugel'. *Zdrav. Bel.* 8 no. 12:70-71 D '62.
- MINSK DISTRICT—ACTIVITY PROGRAMS IN EDUCATION**
How we have reorganized our work. H. Zhdanovich. *Nar. osv.* no. 11:26-30 N '62.
- MINSK DISTRICT—SOVIETS**
Golovko, A. A. [Permanent committees of a rural soviet in action; from the practice of the permanent committees of the Shchemyslitsky rural soviet in the Minsk District of the Minsk Province] *Postolannye komitety sel'skogo Soveta v deistvii: iz opyta raboty postolannyykh komitetov Shchemyslitskogo sel'skogo Soveta Minskogo raiona Minskoi oblasti*. Moskva, Gosizdat, 48 p.
- MINT (BOTANY)**
Activity and quality of catalase in plants of the families Boraginaceae, Labiateae and Umbelliferae. A. V. Blagoveshchenskii, N. V. Malysheva, T. P. Petrova. *Blud. Glav. bot. sada* no. 47:48-53 '62.

MIRGALIMSEY REGION—STOPING (MINING)

Ways of improving the technical methods and equipment for stoping in the Mirgalimsey Mine. L. I. Burtsev. Gor.zhur. no. 5:19-23 My '62.

MIRONOV, SERGEI BORISOVICH

The birth of talent. Boris Volgin. Kul't. pros. rab. 23 no. 7:1, 17-19 Ji '62.

MISHOVDAĞ REGION—PETROLEUM GEOLOGY

Hydrogeological and hydrochemical characteristics of the horizon 1 of the producing formation in the Mishovdag field. G. A. Gadzhiev, B. A. Shapiro. Azerb. neft. khoz. 41 no. 6:4-7 Je '62.

MISSING LINK

Another "missing link?" Vsem. stud. nov. 16 no. 5/6: 24 My-Je '62.

MITES see subdivision under Byalovezhzka Pushcha; Leningrad Province

MITES—BIOLOGICAL CONTROL see subdivision under Ukraine

MITES—EXTERMINATION

(see also subdivision under Zaporozh'ye Province) Efficient ventilation as an effective measure in protecting grain against mites. R. V. Pollakova. Zashch. rast. ot vred. i bol. 5 no. 7:20-21 Ji '60.

MITES AS CARRIERS OF DISEASE see subdivision under Latvia

MITOCHONDRIA

Participation of mitochondria in the formation of synaptic vesicles. L. N. D'achkova, T. V. Davydova, N. K. Jakobson. Dokl. AN SSSR 147 no. 6:1467-1469 D '62.

MITRAL VALVE—DISEASES

Busalov, A. A., and A. M. Damiir. [Mitral stenosis from the viewpoint of the therapist and the surgeon] Mitral'nyi stenoz v osveshchenii terapii i khirurgii. Moskva, Medgiz, 1962. 322 p. (DNLM)

MITRAL VALVE—SURGERY

Electrocardiographic changes in patients with mitral stenosis before and after a commissurotomy [with summary in English]. V. V. Solov'ev. Vop. kard. 2-go MGMI no. 2:285-288 '62. Phonocardiogram of mitral stenosis patients before and after a commissurotomy [with summary in English]. V. V. Solov'ev. Vop. kard. 2-go MGMI no. 2:223-240 '62.

MITSEVICH, KONSTANTIN MIKHAILOVICH, 1892-1956

Great poet of the White Russian people; on the 60th anniversary of Yakub Kolas' birth. IU. S. Polyrkou. Vestn. AN BSSR. Ser. hram. nav. no. 4:17-25 '62. Poet of our national destiny. A. Nalivaika. Nar. osv. no. 11:18-22 N '62.

MIXING MACHINERY

Apparatus for operations under pressure or vacuum. I. K. Sidorenko. Khar. prom. no. 4:44-45 O-D '62. Unit for making clay suspensions. Z. A. Deniakina. Stroitel. dor. mash. 7 no. 11:29-30 N '62.

MIXING MACHINERY—SAFETY APPLIANCES

Safe high pressure gas mixer for highly explosive gas mixtures [with summary in English]. A. I. Rozlovskii, I. I. Strizhevskii, V. F. Zakaznov. Zhur. fiz. Khim. 36 no. 12:2809-2810 D '62.

MIXING MACHINERY—STANDARDS

Standardization of mixer blades. A. T. Moroz, I. F. Trachun. Stroitel. dor. mash. 7 no. 12:32-33 D '62.

MOCK ORANGE

Vegetative reproduction of the mock orange Philadelphus latifolius Schrad. V. O. Mark. Vsesoyuz. Bot. sadu AN URSSR no. 4:3-4 '62.

MODELS AND MODELMAKING—JUVENILE LITERATURE

"The young modelist and designer." Reviewed by IU. Moralevich. Tekh. mol. 30 no. 12:34 '62.

MODERN GEOMETRY see Geometry, Modern

MODERN HISTORY see History, Modern

MODUGNO, DOMENICO

Thank you, Modugno! Sov. muz. 26 no. 12:98-99 D '62.

MÖSSBAUER EFFECT

Effect of gamma-radiation on the shape of Mössbauer resonance absorption spectra in tin-organic compounds [with summary in English]. A. IU. Aleksandrov and others. Zhur. eksp. i teor. fiz. 43 no. 6:2074-2076 D '62.

[The Mössbauer effect] Effekti Messbauera; sbornik statei. Pod red. IU. Kagana. Moskva, Izd-vo inostr. lit-ry, 1962. 444 p.

"Observed" probabilities of elastic neutron scattering and the Mössbauer effect in degenerated systems, and some new possibilities for producing such systems [with summary in English]. M. V. Kazarnovskii, A. V. Stepanov. Zhur. eksp. i teor. fiz. 43 no. 6:2299-2301 D '62.

MOGILEV—ROLLING MILLS

Be an example in life and work. N. Leont'ev. Komm. Bel. 36 no. 11:35-37 N '62.

MOGILEV—TEXTILE FIBERS, SYNTHETIC

Mogilev Factory striving for the improvement of production. P. N. Zernov. Khim. volok. no. 6:47-49 '62.

MOGILEV—TEXTILE MACHINERY

Machine for cutting fiber wastes. M. A. Gurevich, V. V. Zvizdov, K. V. Chereukhin. Khim. volok. no. 6:58-59 '62.

MOGILEV PROVINCE—DAIRYING

You are a Communist. M. Marashkevich. Rab. i slai. 38 no. 12:4-5 D '62.

MOISTURE

Comparison of the possibilities of determining the moisture content of building materials using neutron radiation and neutron backscattering methods. IA. Chudars, N. Skvortsova, R. Makelmov. Izv. AN Latv. SSR no. 10: 91-93 '62. Equipment for the express method of determining moisture in flour. T. Dzhabardze. Muk. -elev. prom. 28 no. 10:22 O '62.

MOISTURE—MEASUREMENT

Moisture meters. V. I. Istomin, A. A. Kolagina. Bum. i der. prom. no. 4:61-62 O-D '62.

MOLD, VEGETABLE see Humus

MOLDAVIA—AUCHENORHYNCHA

Some data on the damaging effects of Auchenorhyncha (Homoptera) in the forests and orchards of the Moldavian S. S. R. M. I. Zhigal'tseva, L. I. Tereshko. Ent. oboz. 41 no. 4:741-745 '62.

MOLDAVIA—BANKS AND BANKING

A credit-payment service to collective farms. N. Zuev. Den. i kred. 20 no. 12:57-61 D '62.

MOLDAVIA—BIBLIOGRAPHY (THEORY, METHODS, ETC.)

In the Moldavian Book Chamber. G. E. Kozanek. Sov. bibl. no. 6:12-13 '62.

MOLDAVIA—BIRDS

Akademiia nauk Moldavskoi SSR. Institut zoologii. [Problems of the ecology and practical value of birds and mammals in Moldavia] Voprosy ekologii i prakticheskogo znachenia ptits i mlekopitaiushchikh Moldavii. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962. 86 p.

MOLDAVIA—BOOK REGISTRATION, NATIONAL

Let us improve the registration of published books and the compilation of bibliographical indexes. G. Kozanek. Komm. Mold. 7 no. 11:72-74 N '62.

MOLDAVIA—BRONZE AGE

Bronze age burial mounds near the village of Olonoshy in the Moldavian S. S. R. A. I. Melnikova. Krat. soob. Inst. arkheol. no. 89:30-37 '62.

MOLDAVIA—CANNING INDUSTRY

Let us intensify our efforts to improve the work of the canning industry. N. Iusim. Komm. Mold. 7 no. 11: 23-29 N '62.

MOLDAVIA—CHECKS

Increase the volume of payments by checks in the turnover of payments. A. Losiatinskii, N. Tsvetaev, A. Naenko. Den. i kred. 20 no. 11:49-52 N '62.

MOLDAVIA—CODLING MOTIF—EXTERMINATION

Thiophos bands for controlling the codling moth. M. A. Gontarenko. Zashch. rast. ot vred. i bol. 5 no. 11:43-44 N '60.

MOLDAVIA—COLLECTIVE FARMS—FINANCE

A credit-payment service to collective farms. N. Zuev. Den. i kred. 20 no. 12:57-61 D '62.

MOLDAVIA—COMMUNIST PARTY OF THE SOVIET UNION

Some results of the report and election campaign in local party organizations. Komm. Mold. 7 no. 12:42-48 D '62.

MOLDAVIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Party news. Komm. Mold. 7 no. 11:79-80 N '62.

MOLDAVIA—CROPS AND SOILS

Efficient use of land is the most important factor in the growth of profits of collective farms; from data from collective farms in left-bank regions of Moldavia. V. T. Gurov. Uch. zap. Tir. gos. ped. inst. no. 9:41-54 '60.

MOLDAVIA—DESCRIPTION AND TRAVEL

Darlenko, Petria. [Poetry of my land; a journalist's notebook] Poezia moei zemli iz zhurnalistskogo bloknota. Kishinev, Kartia Moldoveniaska, 1961. 130 p. (MH)

MOLDAVIA—ECONOMIC CONDITIONS

Along Lenin's road to new achievements in the building of communism. I. Bodul. Komm. Mold. 7 no. 12: 29-41 D '62.

Formation of the working class in Moldavia and its cultural and technical growth between 1945 and 1955. I. I. Bol'shakov. Uch. zap. Tir. gos. ped. inst. no. 9:3-23 '60.

MOLDAVIA—ECONOMIC POLICY

Moldavian soviets' efforts to improve the material well-being and the cultural level of the workers of the Republic between 1920 and 1925. G. V. Sinitse. Uch. zap. Tir. gos. ped. inst. no. 9:25-39 '60.

MOLDAVIA—EROSION

Nature of two-component torrential streams on slopes in Moldavia. V. V. Slastikhin. Izv. AN Mold. SSR no. 9:12-16 '62.

MOLDAVIA—FACTORIES—DESIGN AND CONSTRUCTION

Potential to economize. S. Orlov. Plan. khoz. 40 no. 2:80-81 F '63.

MOLDAVIA—FERTILIZERS AND MANURES—STUDY AND TEACHING

State of the problem of mineral fertilizers in the schools of Moldavia. A. G. Kochorva. Uch. zap. Tir. gos. ped. inst. no. 9:207-215 '60.

MOLDAVIA—FOOD INDUSTRY

Potential to economize. S. Orlov. Plan. khoz. 40 no. 2:80-81 F '63.

MOLDAVIA—FOREST INSECTS

Some data on the damaging effect of Auchenorhyncha (Homoptera) in the forests and orchards of the Moldavian S. S. R. M. I. Zhigal'tseva, L. I. Tereshko. Ent. oboz. 41 no. 4:741-745 '62.

MOLDAVIA—FRUIT—DISEASES AND PESTS

Flourishing of horticulture in Moldavia. T. N. Polevoi, A. I. Bondarenko. Zashch. rast. ot vred. i bol. 2 no. 6: 23-25 N-D '57.

Preliminary results of using electric equipment in orchards in Moldavia. S. M. Chernobrovina, M. I. Zhigal'tseva. Izv. AN Mold. SSR no. 9:66-75 '62.

Some data on the damaging effects of Auchenorhyncha (Homoptera) in the forests and orchards of the Moldavian S. S. R. M. I. Zhigal'tseva, L. I. Tereshko. Ent. oboz. 41 no. 4:741-745 '62.

Systemic poisons in controlling orchard pests. V. V. Vereshchagina. Zashch. rast. ot vred. i bol. 4 no. 5: 39-40 S-O '50.

MOLDAVIA—GRAIN ELEVATORS

Improve the control of the electric power stations of enterprises. D. Mazur, V. Belousova. Muk. -elev. prom. 28 no. 10:30 O '62.

MOLDAVIA—GRAPE JUICE

Improving the technology of grape juice manufacture. V. G. Popovskii and others. Trudy MNIPP 1:9-37 '61.

Investigating the efficiency of grape washing. M. G. Gidalevich and others. Trudy MNIPP 1:39-44 '61. Manufacture of grape juice in Moldavia. G. IA. Rud'. Trudy MNIPP 1:3-8 '61.

MOLDAVIA—HEPATITIS, INFECTIOUS

Botkin's epidemic hepatitis in Moldavia and measures for its control. N. T. Starostenko and others. Zdravookhranenie 5 no. 3:33-38 My-Je '62.

MOLDAVIA—HISTORY

Sabadyrev, I. L. [The Bolshevik press on revolutionary events in Moldavia from 1901 to 1917] Bol'shevistskaia pechat' o revoliutsionnykh sobytiakh v Moldavii, 1901-1917 gody; k 50-letliu "Pravdy." Kishinev, Kartia moldoveniaska, 1962. 49 p.

MOLDAVIA—HYDROPONICS

Growing vitamin-rich feeds by hydroponics. IU. P. Vaslutinskii, F. S. Shagolan. Zemledelie 24 no. 12: 45-53 D '62.

MOLDAVIA—INSECT TRAPS

Preliminary results of using electric equipment in orchards in Moldavia. S. M. Chernobrovina, M. I. Zhigal'tseva. Izv. AN Mold. SSR no. 9:66-75 '62.

MOLDAVIA—INSURANCE, SOCIAL

The main thing is organizing. G. Kirilak. Sots. obespe. 23 no. 12:43-47 D '62.

MOLDAVIA—LEAFHOPPERS

Leafhopper Tychlocyba rosae L. (Homoptera, Typhlocybinae) in the orchards and nurseries of Moldavia [with summary in English]. V. V. Vereshchagina. Zool. zhur. 41 no. 11:1637-1645 N '62.

MOLDAVIA—MAMMALS

Akademila nauk Moldavskoi SSR. Institut zoologii. [Problems of the ecology and practical value of birds and mammals in Moldavia] Voprosy ekologii i prakticheskogo znacheniia ptits i mlekopitaiushchikh Moldavii. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962. 86 p.

MOLDAVIA—MEAT INDUSTRY—BY-PRODUCTS

Utilization of technical raw materials of animal origin in Moldavian enterprises. S. Zhadobina. Mias. Ind. SSSR 33 no. 6:7-10 '62.

MOLDAVIA—PLANTS, PROTECTION OF

Plant protection in the seven-year plan of a collective farm. M. I. Zhigal'tseva. Zashch. rast. ot vred. i bol. 4 no. 5:5-7 S-O '59.

MOLDAVIA—POLITICS AND GOVERNMENT

Moldavian S. S. R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Moldavian S. S. R., fifth session, March 23-24, 1961; verbatim report. Shedinisole Sovetului Suprem al RSS Moldovenești de lezislatura a chinchia (sesiia a chinchia) 23-24 martie 1961; dare de same stenografice. Kishinev, Editura de stat "Kartia moldoveneasca," 1961. 151, 149 p. [Parallel texts in Moldavian and Russian]

"The Moldavian socialist state during the building of communism" by A. Surilov. Reviewed by V. Popkov. Komm. Mold. 7 no. 11:69-72 N '62.

MOLDAVIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

May our friendly bonds grow stronger. N. F. Pisarenko. Komm. Mold. 7 no. 11:32-38 N '62.

MOLDAVIA—ROSES—DISEASES AND PESTS

Leafhopper Tychlosyba rosae L. (Homoptera, Typhlocybinae) in the orchards and nurseries of Moldavia [with summary in English]. V. V. Vereshchagina. Zool. zhur. 41 no. 11:1837-1846 N '62.

MOLDAVIA—RUNOFF

Nature of two-component torrential streams on slopes in Moldavia. V. V. Slastikhin. Izv. AN Mold. SSR no. 9: 12-16 '62.

MOLDAVIA—RURAL ELECTRIFICATION

Efficient network systems within a collective farm taking into account the future increase in consumers' needs. V. S. Korotian, R. A. Ershon. Izv. AN Mold. SSR no. 9:17-23 '62.

MOLDAVIA—SAN JOSÉ SCALE—EXTERMINATION

System of measures for controlling the San José scale. T. I. Biehlina. Zashch. rast. ot vred. i bol. 5 no. 8: 46-48 Je '60.

MOLDAVIA—SCALE INSECTS—EXTERMINATION

Poisonous chemicals against scale insects and pseudo-scale insects in Moldavia. O. G. Kiskina. Zashch. rast. ot vred. i bol. 5 no. 5:41-42 My '60.

MOLDAVIA—SOILS

Soils of Moldavia and their efficient use in agriculture. I. A. Krupenkov. Pochvy raion. Mold. i ikh rats. iapoi. no. 1:3-8 '61.

MOLDAVIA—SPRAYING AND DUSTING EQUIPMENT

Mechanized filling station on a collective farm. G. T. Belfa, E. K. Bolshchan. Zashch. rast. ot vred. i bol. 5 no. 11:21-22 N '60.

MOLDING (FOUNDING)

Effect of organic additives on the shakeout of mixtures with water glass. G. P. Borisov, D. M. Kolotillo. Mashinostroenie no. 5:39-41 S-O '62.

Efficiency of risers. N. K. Ipatov, V. A. Fateev. Izv. vya. ucheb. zav. mashinost. no. 7:112-122 '62.

Zheblin, M. I. [Molder employed in manual molding] Formovshchik ruchnoi formovki. Moskva, Proftekhizdat, 1962. 294 p.

MOLDING (FOUNDING)—EQUIPMENT AND SUPPLIES

Making metal molds without machines. S. F. Makarchenko, S. I. Stolanchenko, V. F. Sumstov. Mashinostroenie no. 5:111-112 S-O '62.

MOLECULAR BEAMS

Sorting ammonia molecules by means of an electric field. A. A. Sokova. Trudy Inst. Kom. stand., mer i izm. prib. no. 59:101-108 '62.

MOLECULAR DYNAMICS

Correspondence of the force constants of the molecules XY_4 and XY_3 , where X element belongs to the subgroup IV b, and Y - is a halogen [with summary in English]. I. N. Godnev, A. M. Aleksandrovskaya, A. S. Sverdlin. Zhur. fiz. khim. 36 no. 12:2809-2815 D '62.

Probability of nonadiabatic transitions in the case of nondivergent terms. E. E. Nikitin. Opt. i spekt. 13 no. 6:781-785 '62.

MOLECULAR ORBITALS

Shifting of the g-factor in the molecular-orbital model of an F-center. L. A. Shul'man. Izv. vys. ucheb. zav. i fiz. no. 6:3-7 '62.

MOLECULAR ROTATION

Simplified method for calculating the contour of infrared molecular bands at high temperatures. V. N. Sosninkov. Opt. i spekt. 13 no. 6:871-873 '62.

MOLECULAR SPECTRA

Absorption and luminescence of impurities in crystals of organic compounds at 20°K. Part 6. Effect of crystalline solvents on the frequency of electron transitions in impurities [with summary in English]. A. V. Soloviov. Ukr. fiz. zhur. 7 no. 5:492-504 My '62.

Absorption and luminescence of impurities in crystals of organic compounds at 20°K. Part 7. Effect of the variable composition of mixed crystals on the frequency of electron transitions in the impurities contained in them [with summary in English]. A. V. Soloviov. Ukr. fiz. zhur. 7 no. 5:505-511 My '62.

Temperature dependence of the intensities of vibration absorption bands of molecular liquids [with summary in English]. M. P. Lyssytia, V. L. Stryzhevs'kyi, I. M. Khalimova. Ukr. fiz. zhur. 7 no. 10:1090-1100 O '62.

Testing the applicability of a random model of the arrangement of rotational lines. V. N. Sosninkov. Opt. i spekt. 13 no. 6:867-869 '62.

Use of vibration spectra in studying the mechanism underlying self-oxidation reactions. A. N. Sevchenko and others. Izv. AN SSSR. Ser. fiz. 27 no. 1:41-44 Ja '63.

MOLECULAR WEIGHTS

Determination of the molecular weights of polymers by the monolayer method [with summary in English]. V. A. Ogarev, A. A. Trapeznikov. Zhur. fiz. khim. 36 no. 12:2844-2852 D '62.

MOLECULES

Application of representation theory to ordering binary systems. A. N. Men', A. V. Sokolov. Fiz. tver. tela 5 no. 1:78-80 Ja '63.

Dielectric properties and molecular structure of liquid concentrated solutions [with summary in English]. M. I. Shakhparonov, R. M. Kasimov, I. A. Akhadov. Ukr. fiz. zhur. 7 no. 8:874-882 Ag '62.

Intramolecular energy transfer and lasers. V. P. Bykov. Zhur. eksp. i teor. fiz. 43 no. 6:2313-2315 D '62.

Nonequilibrium energy distribution by vibrational degrees of freedom in gases. A. I. Osipov, E. V. Stupochenko. Usp. fiz. nauk 70 no. 1:81-113 Ja '63.

Relaxation of intermolecular oscillations in gases and liquids [with summary in English]. V. A. Solov'ev. Ukr. fiz. zhur. 7 no. 8:854-860 Ag '62.

Spectroscopic method for determining the dipole moments of polyatomic molecules in the ground and excited states [with summary in English]. N. G. Bakshiev. Ukr. fiz. zhur. 7 no. 8:820-823 Ag '62.

Structure of molecules of the series $(CH_3)_2C(OCH_3)C(CH_3)_2CH_2HgX$. Part 2. Configuration of the molecules $(CH_3)_2C(OCH_3)C(CH_3)_2CH_2Hg^2(CH_3)_2C(OCH_3)C(CH_3)_2CH_2HgSCN$. V. I. Pankhomov. Kristallografiia 7 no. 3:456-457 My-Je '62.

Temperature dependence of the coordination numbers and diffusion coefficients of liquids [with summary in English]. G. M. Panchenkov, V. V. Erchenkov. Ukr. fiz. zhur. 7 no. 8:801-806 Ag '62.

MOLES (ANIMALS)

Variability of internal organs in the common European mole (Talpa europaea) [with summary in English]. K. I. A. Fateev. Zool. zhur. 41 no. 11:1700-1705 N '62.

MOLLUSKS—EGGS

Spawn of Nudibranchiata of the White Sea. I. S. Roginskaya. Trudy Belomor. biol. sta. MGU 1:201-214 '62.

MOLLUSKS, FOSSIL

Boundary between the Pliocene and Quaternary, based on the fauna of marine mollusks. B. T. Zhitichenko. Trudy Kom. cheiv. per. 20:155-156 '62.

MOLYBDENUM—ANALYSIS

Akademila nauk SSSR. Institut geokhimi i analiticheskoi khimii. [Analytical chemistry of molybdenum] Analiticheskaia khimika molybdena. [By] A. I. Busev, Moskva, Izd-vo Akad. nauk SSSR, 1962. 300 p. (Its: Analiticheskaia khimika elementov)

Exchange of experience. Determination of molybdenum in ammonium molybdate production wastes. M. I. A. Popil'skii, Z. N. Khotenovich. Zav. lab. 28 no. 12:1442 '62.

MOLYBDENUM—ISOTOPES

Coulomb excitation of the first level in Mo^{92} [with summary in English]. O. F. Afonin and others. Zhur. eksp. i teor. fiz. 43 no. 6:1995-1997 D '62.

MOLYBDENUM—WELDING

Welding molybdenum with an addition alloying of the weld metal by rhenium. V. V. D'achenko and others. Svar. proizv. no. 7:1-4 Ji '62.

MOLYBDENUM CARBIDE—THERMODYNAMIC PROPERTIES

Free energy of formation of Mo_2C molybdenum carbide. V. I. Alekseev, L. A. Shvartsman. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:171-175 N-D '62.

MOLYBDENUM-IRON ALLOYS see Iron-molybdenum alloys

MOLYBDENUM SILCIDES—THERMAL PROPERTIES

Heat conductivity of molybdenum silicides [with summary in English]. V. S. Neshpor, I. G. Barantseva. Inzh. - fiz. zhur. 6 no. 1:109-113 Ja '63.

MOMENTS OF INERTIA

Device for demonstrating the law of conservation of moment of momentum. V. A. Moshchanskii. Izv. vys. ucheb. zav. i fiz. no. 6:178 '62.

MONASTYRSKHCHINA DISTRICT—FIRES AND FIRE PREVENTION

Beyond the highway line... N. Semina. Pozh. delo 8 no. 12:3-4 D '62.

MONEY

First stable Soviet currency unit. A. Tikhomirov. Den. i kred. 20 no. 12:32-36 D '62.

Konnikov, V. V. [Monetary circulation and credit in the U. S. S. R.] Denezhnoe obrashchenie i kredit SSSR. Kollektiv avtorov pod rukovodstvom V. Konnikova. Moskva, Gosfinizdat, 1962. 470 p.

Planning currency circulation in a village. I. Slavnyi. Den. i kred. 20 no. 12:9-16 D '62.

MONGOLIA—AGRICULTURE—ECONOMIC ASPECTS

Development of the economics of agriculture in the Mongolian People's Republic is on the path to socialism. Dagvyn Tserenzhav. Dokl. TSKHA no. 50:217-225 '58.

MONGOLIA—CAMELS

Wild camel in Mongolia. G. P. Dement'ev, D. Tsovegmid. Priroda 52 no. 1:71-74 '63.

MONGOLIA—DESERT FLORA

Main sand-fixing plants in the deserts and semideserts of Inner Mongolia (Chinese People's Republic). A. F. Ivanov, A. A. Vakulin. Bot. zhur. 47 no. 11:1680-1684 N '62.

MONGOLIA—ECONOMIC CONDITIONS

Amazing Mongolia. A. Ter-Grigorian. Nov. vrem. 20 no. 7:20-31 F '63.

MONGOLIA—FUR TRADE

Fur treasures of Mongolia. Nauka i zhyitiia 12 no. 7: 54 Ji '62.

MONGOLIAN ACADEMY OF SCIENCES

Founding of the Academy of Sciences in the Mongolian People's Republic. Nauka i zhyitiia 12 no. 7:53 Ji '62.

MONILIASIS

Distribution of candidamycoas in healthy women. K. Kh. Akhmedova. Zdrav. Kazakh. 22 no. 7:30-34 '62.

MONOCHROMATOR

Monochromator with a rotating diffraction grating for ultrasoft X radiation. A. P. Lukinskii, E. P. Savinov. Opt. i spekt. 13 no. 6:840-848 '62.

MONOMERS

Refining of organic monomers by the method of zonal fusion. A. G. Ankin and others. Plast. massy no. 12: 13-17 '62.

MONOPOLIES see subdivision under United States

MONOSACCHARIDES—SPECTRA

Mass spectrometry of carbohydrates. Methyl ethers of monosaccharides. N. K. Kochetkov and others. Dokl. AN SSSR 147 no. 6:1369-1372 D '62.

MONSTERS

Physiological principles for the antenatal protection of the fetus; substantiation of the prevention of monsters and the physiological immaturity of newborn infants. I. A. Arshavskii, M. G. Nemets, Z. F. Suroviseva. Vest. AMN SSSR 17 no. 11:60-70 '62.

MONTANA—ORE HANDLING

Automatic control of the transportation system in an ore-dressing plant (from "Engineering and Mining Journal," no. 6, 1961). I. L. Koval'skii. Gor. zhur. no. 1:75-76 Ja '63.

MOON—CURIOSA AND MISCELLANY

Today in the club. IUN. nat. no. 1:22-24 Ja '63.

MOON—PHOTOGRAPHS, MAPS, ETC.

Moon on the screen of a television telescope. N. F. Kuprevich. Nauka i zhizn' 20 no. 11:86-88 N '62.

MOON—SURFACE

Distribution of ejected substance in small haloes around lunar craters [with summary in English]. V. G. Teifel'. Izv. Astrofiz. inst. AN Kazakh. SSR 15:63-76 '62.

Thermal conductivity of lunar materials according to the data of precision measurements of lunar radio emission [with summary in English]. V. D. Krot'kov, V. S. Troitskii. Astron. zhur. 40 no. 1:158-160 Ja-F '63.

MOON — SURFACE (Continued)

Ultraviolet spectrophotometry of lunar surface. V.I. Ezeraskil, V.S. Opryatova. *Astron. tsir.* no. 224:16-17 Ag '61.

MORAINES see subdivision under *Caucasus*

MORAL EDUCATION

(see also subdivision under *Germany, East*)

Man is man's friend, comrade and brother. T. M. Sergeeva. *Nachshkola* 30 no. 12:7-12 D '62.

"Moral training during the educational process." Reviewed by V. Shatskii. *Nar. obr.* no. 1:104-105 Ja '63.

This shapes the personality. N. Bolarskaya. *Doshk. vosp.* 35 no. 11:89-92 N '62.

Will and the lack of it in students. N. Talyzina. *Sem'ia i shkola* 18 no. 1:7-9 Ja '63.

MORAL REARMAMENT

Preachers of fascist ideology. O. Tikhonov. *Komm. Rel.* 36 no. 11:53-56 N '62.

MORDOVIA—HISTORY

"Studies on the history of the Mordvinian A. S. S. R." Vol. 2 (1917-1960) and "Studies on the history of the Mari A. S. S. R., 1917-1960." Reviewed by G. A. Novitskii. *Vop. ist.* 38 no. 1:112-115 Ja '63.

MORDVILKO, ALEKSANDR KONSTANTINOVICH, 1867-1938

The greatest aphidologist. D. D. Zashch. *rust. ot vred. i bol.* 2 no. 6:61 N-D '57.

MORDVINIAN A. S. S. R. see *Mordovia*

MORDVINIAN LITERATURE—TRANSLATIONS INTO RUSSIAN

Voronts, I. D., comp. [Mordvinian stories. Translated from the Mordvinian] *Mordovskie rasskazy.* Moskva, Sovetskii pisatel', 1958. 214 p. (JuU)

MOREAU, JEAN MICHEL, 1741-1814

"Monument to costume" by Moreau the Younger as an example of French engraving from the second half of the 18th century. N. N. Vodo. *Soob. GMI* [no. 1]:56-63 '60.

MORRIS, CHARLES WILLIAM, 1901-

Cosmology of pragmatism and the semiotics of Charles Morris. L. O. Reznikov. *Vop. filos.* 17 no. 1:102-115 '63.

MORRIS, EDITH, 1902-

"The flowers of Hiroshima" [in English] by Edith Morris. Reviewed by K. V. Zhen. *mira* no. 2:32 '62.

MORSHANSK—LIBRARIES AND READERS

With joint forces. N. Basilevskaya. *Bibliotekar'* no. 1:34 Ja '63.

MORTAR

Korolev, K. M. [The mortar-mixer and mortar-pump operator] *Mashinist rastvorosmenitelia i rastvorosnaosa.* Moskva, Proftekhizdat, 1962. 255 p. Local sands and clays in clay-cement and lime-cement mortars. V. P. Antonov, A. I. Kudelin. *Trudy FTI Turk. fil. AN SSSR* no. 1:3-14 '40.

MORTARS see subdivision under *Askhkhabad*

MOSCOW—AGRICULTURAL EXHIBITIONS

Need for a special pavilion. R. L. Nalnik. *Zashch. rust. ot vred. i bol.* 2 no. 6:31-33 N-D '57.

MOSCOW—APARTMENT HOUSES

In eight days. C. Bychkov. *Na stroi. Ros.* no. 12:33 D '61.

On Nikitskiye Vorota Square. V. Egorov, A. Shapiro. *Stroi. i arkhitt. Mosk.* 12 no. 1:4-8 Ja '63.

With a guarantee of high quality. S. Savinov. *Na stroi. Ros.* no. 12:34 D '61.

MOSCOW—APARTMENT HOUSES—FIRES AND FIRE PREVENTION

Guard apartment houses against fires. I. N. Troitskii. *Gor. khoz. Mosk.* 36 no. 7:26-29 Ji '62.

MOSCOW—ARCHITECTURE—DESIGNS AND PLANS

Technical and economic problems of planning and building new construction developments. A. Ivanova. *Ekon. stroi.* no. 1:52-58 Ja '63.

MOSCOW—ART—EXHIBITIONS

Exhibitions in the A. S. Pushkin State Museum of Fine Arts, 1955-1959. V. V. Starodubova, I. N. Golomshtok. *Soob. GMI* [no. 1]:79-82 '60.

MOSCOW—ART—STUDY AND TEACHING

University of culture in the A. S. Pushkin State Museum of Fine Arts. V. V. Alekseeva. *Soob. GMI* [no. 1]:83-84 '60.

MOSCOW—ART GALLERIES AND MUSEUMS

Academic Council of the A. S. Pushkin State Museum of Fine Arts, 1957-1959. *Soob. GMI* [no. 1]:85 '60.

Art museums in St. Petersburg and Moscow during the second half of the 19th century and the beginning of the 20th. S. A. Ovsienikova. *Trudy NIIM* no. 7:7-82 '62.

University of culture in the A. S. Pushkin State Museum of Fine Arts. V. V. Alekseeva. *Soob. GMI* [no. 1]:83-84 '60.

MOSCOW—AUTOMOBILE INDUSTRY

Honoring the trade mark. V. A. Sadovnikov, E. A. Bloshstein. *Avi. prom.* 29 no. 1:47-48 Ja '63.

Ways for a reorganization of the Likhachev Automobile Plant. P. A. Tsvetkov. *Avi. prom.* 29 no. 1:3-5 Ja '63.

MOSCOW—AUTOMOBILE INDUSTRY—ACCOUNTING

Organization of a computing center at an industrial enterprise. V. Nazarov. *Bukh. uch. i shet.* 19 no. 12:24-29 D '62.

MOSCOW—AUTOMOBILE INDUSTRY WORKERS—EDUCATION AND TRAINING

Justified by life. V. Savchenko. *Mol. komm.* no. 12:86-87 D '62.

MOSCOW—AUTOMOBILE PARKING

Multistorey parking places for automobiles. F. G. Topunov. *Gor. khoz. Mosk.* 36 no. 1:30-32 Ja '62.

MOSCOW—BANDAGES AND BANDAGING

Permanently operating... P. Semidostova. *Sots. obesp.* 23 no. 12:37-38 D '62.

MOSCOW—BEARING INDUSTRY

Automatic shop for manufacturing cardan bearings. I. A. Sauekan. *Vest. mashinost.* 42 no. 12:78-80 D '62.

MOSCOW—BEARING INDUSTRY—HYGIENIC ASPECTS

The greatest joy. B. Lubimov. *Okbr. i truda i sol.* strukh. 6 no. 1:12-13 Ja '63.

MOSCOW—BOOKSELLERS AND BOOKSELLING

Clubs and books. E. Gurvich. *Sov. knizh. torg.* 14 no. 12:27-30 D '62.

More attention to books on politics. V. Mekhanikov. *Sov. knizh. torg.* 14 no. 1:22-23 Ja '63.

MOSCOW—BUILDING MATERIALS INDUSTRY

Development of the supply of building materials and equipment to the construction industry in Moscow. E. Samodav. *Na stroi. Ros.* no. 12:16-18 D '61.

MOSCOW—CHEMICAL INDUSTRIES

The staff of a shock brigade. A. Zhigailova. *Mol. komm.* no. 12:28-31 D '62.

MOSCOW—CHILD STUDY

It is not enough to love your child; a reportage on the Moscow parents' university. Iolana Gal'perina. *Zhen. mira* no. 2:16-17 '62.

MOSCOW—CHILDREN AS ARTISTS

Enthusiasts need support. N. Benson. *Komsom. zhizn'* no. 20:13-15 O '62.

MOSCOW—CHILDREN AS ARTISTS—EXHIBITIONS

Children's drawings from New Zealand. E. Larianova. *Sem'ia i shkola* 17 no. 12:33 D '62. Drawings of Finnish children in the House of Friendship. E. Larianova. *Sem'ia i shkola* 17 no. 9:33 S '62.

MOSCOW—CHILDREN'S CLUBS

If in every house there were... Iurii Rives. *Sem'ia i shkola* 17 no. 9:22-23 S '62.

MOSCOW—CITY PLANNING

Novyi Arbat. *Gor. khoz. Mosk.* 36 no. 1:21-23 Ja '62. Technical and economic problems of planning and building new construction developments. A. Ivanova. *Ekon. stroi.* no. 1:52-58 Ja '63.

MOSCOW—CLERKS (RETAIL TRADE)

Education in tactfulness. I. Volodin. *Komsom. zhizn'* no. 22:23-24 N '62.

MOSCOW—CLOCKMAKING AND WATCHMAKING

For the honor of the trademark. V. Popov. *Mol. komm.* no. 12:82-83 D '62.

MOSCOW—CLOTHING INDUSTRY

"Russian." N. Kirakozova. *Sov. torg.* 36 no. 12:33-37 D '62.

MOSCOW—COMMUNIST YOUTH LEAGUE

Your report and election meeting; Moscow activists in the office of the editor of "Komsomol'skaya zhizn'." *Komsom. zhizn'* no. 18:4-9 S '62.

MOSCOW—COMMUNITY AND SCHOOL

Let's expand the participation of community workers. V. Kalmykova. *Doshk. vosp.* 35 no. 10:19-22 O '62. Thinking about kids. V. Komlasarov. *Sem'ia i shkola* 17 no. 11:9-10 N '62.

MOSCOW—CONSTRUCTION INDUSTRY

Distributing information about achievements. *Stroitel'* 8 no. 11:25-26 N '62.

Ensure the fulfillment of the plan for the third quarter of 1962. *Gor. khoz. Mosk.* 36 no. 8:1-2 Ag '62.

For further improvement in capital construction. A. D. Baryshev. *Gor. khoz. Mosk.* 36 no. 1:7-9 Ja '62.

In the Executive Committee of the Moscow City Soviet of Workers' Deputies. *Stroi. i arkhitt. Mosk.* 12 no. 1:38 Ja '63.

In the Executive Committee of the Moscow Soviet. *Gor. khoz. Mosk.* 36 no. 1:52 Ja '62.

In the Executive Committee of the Moscow Soviet. *Gor. khoz. Mosk.* 36 no. 7:48 Ji '62.

Interview with the leader of a construction brigade. *Sov. pech.* no. 12:37-38 D '62.

Moscow in 1963. T. Selivanov. *Stroi. i arkhitt. Mosk.* 12 no. 1:1-3 Ja '63.

Urgent needs of repair and construction trusts. I. U. Lukin. *Gor. khoz. Mosk.* 36 no. 7:42-44 Ji '62.

MOSCOW—CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS

Supply the constructions projects of Moscow with production norms prepared by the Moscow Main Construction Administration. T. Valikov. *Ekon. stroi.* no. 1:71-73 Ja '63.

MOSCOW—COOKING SCHOOLS

The "Kristall" cooking school restaurant. P. Nikitin. *Obshchestv. pit.* no. 12:3-7 D '62.

MOSCOW—CORN PRODUCTS

There is corn on the counters. K. Minski, T. S. Sarkin. *Sov. torg.* 36 no. 12:37-38 D '62.

MOSCOW—COURTYARDS

Improve the appearance of yards; get rid of fences. I. A. Antokol'skii. *Gor. khoz. Mosk.* 36 no. 7:25-27 Ji '62.

MOSCOW—DEPARTMENT STORES—EMPLOYEES

Everybody gains: the buyer, the store, and production. I. Vladimirov. *Komsom. zhizn'* no. 20:5-7 O '62.

MOSCOW—DISABILITY EVALUATION

Experts report. A. Sivakov. *Sots. obesp.* 23 no. 9:16-18 S '62.

When there is no sense of joint responsibility. A. Sivakov. *Sots. obesp.* 24 no. 1:25-28 Ja '63.

MOSCOW—EDUCATION, PRESCHOOL

This is prompted by life. V. Markova. *Doshk. vosp.* 35 no. 10:18-19 O '62.

MOSCOW—EVENING AND CONTINUATION SCHOOLS

Law on the strengthening of contacts between school and life in operation. A. I. Kineshmentsova. *Sred. spets. obr.* 8 no. 11:8-14 N '62.

MOSCOW—EXHIBITIONS

At the Exhibition of Achievements of the National Economy of the U. S. S. R. R. L. Nalnik. *Zashch. rust. ot vred. i bol.* 4 no. 6:14-15 S-O '60.

At the Exhibition of Achievements of the National Economy of the U. S. S. R. R. L. Nalnik. *Zashch. rust. ot vred. i bol.* 5 no. 5:20-21 My '60.

At the Exhibition of Achievements of the National Economy of the U. S. S. R. *Zashch. rust. ot vred. i bol.* 5 no. 10:12 O '60.

At the Exhibition of the Achievements of National Economy of the U. S. S. R. in 1962. I. Butina. *Grazhd. av.* 19 no. 11:10-17 N '62.

Attachments and tools for electric wiring. *Sel'. stroi.* no. 12:23-24 D '62.

Awarding of the participants of the Exhibition of Achievements of the National Economy of the U. S. S. R. M. A. Borisov, V. L. Smorgonskii. *Vest. elektroprom.* 34 no. 1:36-38 Ja '63.

Chemistry in homes. S. Moiseev. *Mest. prom. i khud. promys.* 3 no. 11:20-21 N '62.

Exhibition of self-propelled construction and road machinery in Moscow. A. S. Selenevich. *Stroi. i dor. mash.* 7 no. 11:3-9 N '62.

Exhibition of the Elliot Automation Company from England in Moscow. I. K. Petrov. *Mekh. i aviom. proizv.* 16 no. 12:50-54 D '62.

Fiat automobiles in 1962. B. A. Kurov. *Avi. prom.* 28 no. 12:38-41 D '62.

Fish, construction projects, industrialization. V. Shorokov. *Mest. prom. i khud. promys.* 3 no. 11:27 N '62.

From the Exhibition of the Achievements of the National Economy of the U. S. S. R. G. U. Dashevskaya. *Metal-loved. i term. obr. met.* no. 12:53-56 D '62.

Furniture for a new home. *Sel'. stroi.* no. 12:24-24b D '62.

Mechanized tools and equipment. *Sel'. stroi.* 16 no. 1:23-24 Ja '62.

Milling equipment at the exhibition of the industrial production of Italian firms in Moscow in 1962. M. Tartakovskii. *Muk. -elev. prom.* 28 no. 12:25-26 D '62.

"Moscow, VDNKh" [Exhibition of the Achievements of the National Economy of the U. S. S. R.]. 1962. *Metal-lurg* 8 no. 1:36-37 Ja '63.

MOSCOW — EXHIBITIONS (Continued)

Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR. [The Exhibition of the Achievements of the National Economy of the U.S.S.R.] Vystavka dostizhenii narodnogo khoziaistva SSSR, Moskva, Izd-vo "Iskusstvo," 1982. 1 v. (chiefly illus.) [Parallel texts in five languages]

New construction equipment. K. Privalovskii, Sel'strot. 15 no. 4:22-24 Ap '60.
New effective building materials. A. Birkengof, Sel'strot. 15 no. 4:21 Ap '60.
New exhibits at the Exhibition of the National Achievements of the U.S.S.R., NTO 4 no. 9:42-43 S '62.
Photos for the "Seven-Year Plan in Action 1963" Exhibition. Sov. foto 22 no. 13:2-7 N '62.
"Seven-year plan in action during 1963," Sov. foto 22 no. 12:1 D '62.
Socialist industry. Nar. khoz. Uzb. 4 no. 11:13-19 N '62.
Station for plant protection at the Exhibition of Achievements of the National Economy of the U.S.S.R., M. A. Zhuravlev, V. N. Korzhagin, Zashch. rast. ot vred. i bol. 5 no. 11:13-15 N '60.
Victories of the collective farm system. Nar. khoz. Uzb. 4 no. 11:45-50 N '62.

MOSCOW—FENCES

Improve the appearance of yards; get rid of fences. I. A. Aniskol'skii, Gor. khoz. Mosk. 36 no. 7:25-27 Jl '62.

MOSCOW—FLOUR MILLS—VENTILATION

Hygienic evaluation of local exhaust systems in the sacking of flour at flour mills. A. Slutsker, K. Galkina. Muzk.-elev. prom. 28 no. 10:20-22 O '62.

MOSCOW—FRUIT—STORAGE

At one of the Moscow City fruit and vegetable storehouses. A. V. Moshechkin. Zashch. rast. ot vred. i bol. 5 no. 7:44 Jl '60.

MOSCOW—FURNITURE INDUSTRY

A furniture show and sale. A. Markushevich. Sov. torg. 36 no. 12:42-44 D '62.

MOSCOW—GARAGES—HYGIENIC ASPECTS

Beginning of the road. E. Berger. Okhr. truda i sots. strakh. 6 no. 1:24-25 Ja '63.

MOSCOW—HOUSEHOLD APPLIANCES, ELECTRIC—QUALITY CONTROL

Reliability and the length of service of household electrical appliances. I. U. Grabit'sev. Sov. torg. 36 no. 12:22-24 D '62.

MOSCOW—INDUSTRIAL MANAGEMENT

Voluntary design offices in enterprises of the Moscow Economic Council. I. U. L. Kushnarev. Biol. tekhn.-ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform. no. 12:73-74 '62.

MOSCOW—INDUSTRIAL MANAGEMENT—CONGRESSES

A big discussion on economics and production. Plan. khoz. 39 no. 12:50-51 D '62.

MOSCOW—INDUSTRIAL MUSEUMS

The oldest school of technology. A. I. Arol'skii. NTO 4 no. 12:47-49 D '62.

MOSCOW—INDUSTRIES

Dynamo, Moscow. [History of the Dynamo Plant] Istorii zavoda Dinamo. [Moskva] Profizdat. Vol. 1. [The Dynamo Plant on the way to the October Revolution; a history of the plant] Dinamo na putiakh k oktiabriu; istoriia zavoda, 1901. 177 p.
(MH)

MOSCOW—INSURANCE, SOCIAL

Forms of work are inexhaustible. Z. Postnikova. Sots. obesp. 23 no. 9:10-13 S '62.
Organizational ability is the main thing. K. Romanova. Sots. obesp. 24 no. 1:9-12 Ja '63.

MOSCOW—INSURANCE, SOCIAL—EMPLOYEES

Let's learn how to live and work in the communist way. Sots. obesp. 23 no. 9:4-10 S '62.
We align with progressive workers. K. Romanova. Sots. obesp. 23 no. 9:13-16 S '62.

MOSCOW—KREMLIN

Symbol of our era. V. Romanov. Nauka i zhizn 12 no. 10:1-3 O '62.

MOSCOW—LABOR AND LABORING CLASSES—DWELLINGS

Our experimental... Andrei Fesenko. Sov. profsoiuzy 19 no. 1:26-27 Ja '63.

MOSCOW—LEATHER INDUSTRY

New developments in the finishing technology of hide chrome leather for shoe uppers in the Moscow Leather Combine. A. V. Beliaev, M. G. Grigor'adi, N. N. Doronina. Kozh.-obuv. prom. 4 no. 12:31-32 D '62.

MOSCOW—LIBRARIES

Moscow. Gosudarstvennaia publichnaia istoricheskaiia biblioteka. [Reader's guide] Pamiatka chitateli. Moskva, 1962. 32 p.

MOSCOW—MACHINERY INDUSTRY

Machines "on a leash." A. Baryshnikov. Mol. komm. no. 12:68-72 D '62.
Setting up production programs for series production on electronic calculating machines. E. Bykov. Plan. khoz. 40 no. 1:63-70 Ja '63.
Ways of increasing shifts in machinery manufacturing. A. Skuba. Plan. khoz. 40 no. 2:1-7 F '63.

MOSCOW—MACHINERY INDUSTRY—FINANCE

Improve business accounting in a plant. K. Kogan. Plan. khoz. 40 no. 1:57-63 Ja '63.

MOSCOW—MOTION-PICTURE FESTIVALS

Festival of amateur motion pictures. I. A. Tolchan. Tekh. kino i telev. 7 no. 1:98 Ja '63.

MOSCOW—MOTORTRUCKS

Truck transportation in Moscow. N. N. Sidorov. Gor. khoz. Mosk. 36 no. 1:23-26 Ja '62.

MOSCOW—MUNICIPAL SERVICES

In the Executive Committee of the Moscow Soviet, Gor. khoz. Mosk. 36 no. 8:52 Ag '62.
Municipal economy of Moscow in 1962. Gor. khoz. Mosk. 36 no. 1:1-6 Ja '62.

MOSCOW—MUSIC—COMPETITIONS

The musical spring of the world. A. V. Medvedev. Zhen. mira no. 7:8-9, 28 '62.

MOSCOW—PAINTINGS, FRENCH—EXHIBITIONS

Moscow. Gosudarstvennyi muzei izobrazitel'nykh iskusstv. [Catalog of an exhibition of French art of the second half of the 19th century, from the collections of Soviet art museums] Katalog vystavki frantsuzskogo iskusstva vtoroi poloviny XIX veka, iz fondov khudozhestvennykh muzeev SSSR. [Moskva, 1960] 39 p.
(ICA)

MOSCOW—PENSIONERS

They saw Lenin. A. Slavkov. Sots. obesp. 23 no. 11:23-25 N '62.

MOSCOW—PHARMACY

Role of Moscow pharmacies in the sanitary education of the population. L. K. Vasil'eva. Apt. delo 12 no. 3:55-57 My-Je '62.

MOSCOW—PHYSICALLY HANDICAPPED—REHABILITATION

People's health is the main index. S. Vlasov. Sots. obesp. 24 no. 1:36-38 Ja '63.

MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] Blul. Ispol. kom. Mosk. gor. sov. nos. 23-24 D '62; no. 1 Ja '63.

MOSCOW—PUBLIC BUILDINGS

Palace for Pioneers and Students. V. S. Egerev. Gor. khoz. Mosk. 36 no. 8:3-5 Ag '62.

MOSCOW—PUBLIC PROSECUTORS

We are trying to improve the reception of visitors and the examination of their complaints. I. U. Balashov. Sots. zakon. 40 no. 1:53 Ja '63.

MOSCOW—RESTAURANTS, LUNCHROOMS, ETC.

Hungarian cookery in a Moscow restaurant. A. Galaktionov. Obshchestv. pit. no. 12:16 D '62.

MOSCOW—RESTAURANTS, LUNCHROOMS, ETC.—LABOR PRODUCTIVITY

The workday schedule and increasing labor productivity in the enterprises of public dining. L. Shpungin. Biol. nauch. inform. i trud i zar. platn 5 no. 4:21-24 '62.

MOSCOW—RETAIL TRADE—ACCOUNTING

Turnover of goods with and without containers. I. Tsi-tovskii. Sov. torg. 36 no. 12:48-49 D '62.

MOSCOW—ROADS

The Moscow circumferential highway. B. Vilenkii, R. Topuridze. Strol. i arkhitekt. Mosk. 12 no. 1:14-17 Ja '63.

MOSCOW—SCHOOL CHILDREN—FOOD

School children feeding. I. Shevelev, N. Vaganova. Obshchestv. pit. no. 12:8-15 D '62.

MOSCOW—SERVICE INDUSTRIES

On a post of honor. V. Samoilov. Mest. prom. i khud. promys. 3 no. 11:11-13 N '62.

MOSCOW—SEWAGE—PURIFICATION

Designing a sewage-purification plant in Moscow. P. S. Borisova, N. M. Popova, T. M. Savranskaya. Gor. khoz. Mosk. 36 no. 1:41-44 Ja '62.

MOSCOW—SEWERAGE

Future development of water-pipe and sewer lines in the capital. V. I. Markizov. Gor. khoz. Mosk. 36 no. 8:8-9 Ag '62.
Study of the Moscow sewer system. O. T. Bolotina, P. A. Sukhii. Gor. khoz. Mosk. 36 no. 8:31-33 Ag '62.

MOSCOW—SNOW REMOVAL

Snow removal without hauling from Sadovoe Kol'tso. I. U. S. Lantsberg. Gor. khoz. Mosk. 36 no. 1:39-41 Ja '62.

MOSCOW—SOCIALIST COMPETITION

Dmitrenko, V. P., and others. [The flower and pride of the working class; the structure of the collectives of communist labor] Tsvet i gordost' rabochego klasa; o sostave kollektivov kommunisticheskogo truda. [Moskva] Mosk. rabochii, 1962. 85 p.

MOSCOW—SOVIETS

A committee of deputies in the suburbs of Moscow. M. Dvoishnikov. Sov. deput. trud. no. 1:58-61 Ja '63.

MOSCOW—STATISTICS—STUDY AND TEACHING

Training specialists in the Moscow Institute of Economics and Statistics. N. Koborov. Vest. stat. no. 12:51-59 '62.

MOSCOW—STORES, RETAIL

In the interests of better serving the residents of Moscow. I. Kozlov. Strol. i arkhitekt. Mosk. 12 no. 1:20-23 Ja '63.

MOSCOW—STREET-CLEANING MACHINERY

Improvement of public services and amenities in residential areas. G. S. Polovik, A. V. Zagorutko. Gor. khoz. Mosk. 36 no. 7:23-24 Jl '62.

MOSCOW—STREET LIGHTING

Electric lighting of crosswalks in Moscow. N. K. Echeistov, D. F. Sidorov-Birlukov. Svetotekhnika 8 no. 12:23-25 D '62.

MOSCOW—STREETS

A new main street. V. Polukarov. Za bezop. dvizh. 5 no. 12:8-9 D '62.

MOSCOW—STRING QUARTET

"Twenty-two colors," Sov. muz. 26 no. 12:66-67 D '62.

MOSCOW—STUDENT HOUSING

Aren't you the boss of the dormitory? P. Pustynnikov, V. Shibaikin. Sov. profsoiuzy 18 no. 24:23-24 D '62.

MOSCOW—STUDENTS, FOREIGN

The University of Friendship of Peoples in Moscow speaks to the youth of Asia, Africa, and Latin America. S. V. Rumiantsev. Vsem. stud. nov. 16 no. 5:6:26-28, 36-36 My-Je '62.

MOSCOW—TEACHING

Pedagogical life of the capital. Nar. obr. no. 1:120-121 Ja '63.

MOSCOW—TESTING LABORATORIES

Gurskii, P. A., and others. [Experience in the organization of a railroad laboratory for the inspection and maintenance of measuring equipment] Opyt organizatsii dorozhnoi kontrol'no-izmeritel'noi laboratorii. Moskva, Transzheldorizdat, 1962. 167 p.

MOSCOW—TEXTILE INDUSTRY

Friends, we rejoice about your achievement! Valentin Petrishcheva. Sov. profsoiuzy 18 no. 24:12-13 D '62.

MOSCOW—THEATER

[Theatrical Moscow.] Teatr, Moskva nos. 27/27a, 41a Jl-O '63.

MOSCOW—THEOLOGICAL SEMINARIES

Fall festivals at the Troitse-Sergieva Monastery and Moscow Theological School. Archimandrite Pitirim. Zhur. Mosk. Patr. no. 11:20-27 N '62.

MOSCOW—TRADE UNIONS

Aren't you the boss of the dormitory? P. Pustynnikov, V. Shibaikin. Sov. profsoiuzy 18 no. 24:23-24 D '62.
Norms and wages. M. Grozovskii. Mest. prom. i khud. promys. 3 no. 11:26 N '62.
To Moscow in search of the truth... V. Petrov. Sov. profsoiuzy 18 no. 24:25-28 D '62.

MOSCOW—TRAFFIC ACCIDENTS

Saturday is a difficult day. Za bezop. dvizh. 5 no. 12:8-9 D '62.

MOSCOW—TRANSPORTATION

City traffic and transportation in Moscow. I. V. Bordukov. Gor. khoz. Mosk. 36 no. 1:26-30 Ja '62.

MOSCOW—TRANSPORTATION, AUTOMOTIVE

Zealous masters. S. Shenkman. Za rul. 21 no. 1:5 Ja '63.

MOSCOW—WAGE PAYMENT SYSTEMS

Norm as an incentive and as a hindrance. D. Onika. Sov. profsoyuzy 18 no. 24:9-11 D '62.

MOSCOW—WATER—AERATION

The Luberets Aeration Station. P. I. Galanin, D. Kh. Tokarev. Gor. khoz. Mosk. 36 no. 8:13-17 Ag '62.

MOSCOW—WATER—OZONIZATION

Experience in ozonization of water at the Severnaya Station. T. A. Dmitrieva, G. P. Kudriashov, I. U. B. Bagotskii. Gor. khoz. Mosk. 36 no. 8:23-24 Ag '62.

MOSCOW—WATER SUPPLY

The Akulov Hydraulic Engineering System. V. P. Borovkov, I. I. Sergievich. Gor. khoz. Mosk. 36 no. 8:38-40 Ag '62.

Future development of water-pipe and sewer lines in the capital. V. I. Markizov. Gor. khoz. Mosk. 36 no. 8:6-8 Ag '62.

Operation of city water-supply systems. V. V. Kashchenko. Gor. khoz. Mosk. 36 no. 8:29-31 Ag '62.

The Rublev Water-Supply Station is an enterprise of communist labor. I. U. D. Lipinskii. Gor. khoz. Mosk. 36 no. 8:17-19 Ag '62.

The Vostochnaya Water-Supply Station. I. U. A. Bardin. Gor. khoz. Mosk. 36 no. 8:40-44 Ag '62.

The Zapadnaya Water Supply Station. A. A. Sal'nikov. Gor. khoz. Mosk. 36 no. 8:10-13 Ag '62.

MOSCOW—WATERWAYS

More attention should be given to river transportation within the city. A. I. Fateev. Gor. khoz. Mosk. 36 no. 8:50-51 Ag '62.

MOSCOW—WIRE BROADCASTING

Remote control with wire broadcasting stations. M. Zaimokikh. Voen. znani, 39 no. 1:33 Ja '63.

MOSCOW—WORLD WAR, 1939-1945

Dmitrevskii, N. A. [Defenders of the sky over the capital] Zashchitniki neba stolit'ei. Moskva, Voenizdat, 1962. 93 p. (Gerolcheskoe proshloe nashoi rodiny)

MOSCOW—YOUTH—SOCIETIES, ETC.

Favorable wind for "Brigantina"! V. Maksimenko. Komsom. zhizn' no. 23:25-30 D '62.

MOSCOW CANAL

The Moscow Canal. L. S. Tykov, I. N. Dymant. Gor. khoz. Mosk. 36 no. 8:34-37 Ag '62.

On the occasion of the twenty-fifth anniversary of the Moscow Canal. G. D. Petrov. Gidr. stroi. 33 no. 12: 53-55 D '62.

MOSCOW GOVERNMENT—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Struggle of the Moscow Party organization for agricultural development at the end of the reconstruction period, 1924-1925. E. I. Rakova. Dokl. TSKHA no. 75: 365-373 '62.

MOSCOW PROVINCE—ARCTIC FOX

Norwegian blue fox. A. M. Maloshenko. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:337-339 '62.

MOSCOW PROVINCE—AUTOMOBILE DRIVERS

Those who have not submitted. Z. Amankulova, E. Plivovarov, E. Mel'nikov. Komsom. zhizn' no. 10: 9-11 O '62.

MOSCOW PROVINCE—COLLECTIVE FARMS—LAW AND LEGISLATION

The party's struggle for the observance of the agricultural artel statute in one of the conditions for consolidating the collective farm communal economy; based on the 1953-1958 materials of Moscow Province. E. G. Chpurina. Dokl. TSKHA no. 75:340-363 '62.

MOSCOW PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

The party's struggle for the observance of the agricultural artel statute in one of the conditions for consolidating the collective farm communal economy; based on the 1953-1958 materials of Moscow Province. E. G. Chpurina. Dokl. TSKHA no. 75:340-363 '62.

MOSCOW PROVINCE—COMMUNIST YOUTH LEAGUE

Where the "Serechlight" is directed. V. Ivanov. Komsom. zhizn' no. 10:2-3 O '62.

MOSCOW PROVINCE—DAIRY INDUSTRY

Work expenditures in milk production and ways to reduce them; using the example of the state farms of Moscow Province. A. P. Zinchenko. Dokl. TSKHA no. 75:275-282 '62.

MOSCOW PROVINCE—FARM MECHANIZATION

Effect of the mechanization level upon labor productivity in cultivating potatoes; using the example of specialized state farms in Moscow Province. E. N. Balandin. Dokl. TSKHA no. 75:255-263 '62.

MOSCOW PROVINCE—FARMS—VALUATION

Cheremushkin, S. D., A. P. Klopotovskii, and M. V. Markova. [Basic principles of the economic valuation of land] Osnovnye printipy ekonomicheskoi otsenki zemli; materialy nauchno-issledovatel'skikh rabot. Moskva, Vses. nauchno-issl. in-t ekon. sel'. khoz., 1962. 79 p.

MOSCOW PROVINCE—FERTILIZERS AND MANURES

Studying the agrochemical properties of soils on the "Gorodishche" State Farm in Moscow Province for the purpose of fertilizer application. V. N. Kudriarov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:219-223 '62.

MOSCOW PROVINCE—FISH CULTURE

Chizhov, N. I., and G. F. Ukolov. [Pond fish culture in the Moscow region] Prudovoe rybolovstvo v Podmoskov'e. [Moskva] Mosk. rabochii, 1962. 38 p. (Ikh opyt dostupen vsem) (DNAL)

MOSCOW PROVINCE—FOREST REPRODUCTION

Overgrowing of gully slopes in the forest zone. A. L. Znamenskain. Les. khoz. 15 no. 11:44-47 N '62.

MOSCOW PROVINCE—FRUIT—DISEASES AND PESTS

Brown and red orchard mites in Moscow Province. I. Shepreth. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:169-170 '62.

MOSCOW PROVINCE—HAY—HARVESTING

Establishing work norms in over-all mechanization of hay harvesting as exemplified by the "Novaya zhizn'" Collective Farm in Stupino District, Moscow Province. V. I. Reshetnikov, V. A. Tiapkin. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:39-45 '62.

MOSCOW PROVINCE—KNIT GOODS INDUSTRY—FINANCE

Economy without thrift. A. Stepanov. Fin. SSSR 23 no. 12:65-66 D '62.

MOSCOW PROVINCE—LABOR REST HOMES

Friendly and thoughtfully. N. Rakita. Okhr. truda i zots. strakh. 8 no. 1:11 Ja '63.

MOSCOW PROVINCE—LANDSCAPE GARDENING

Protecting landscape plantations in towns and settlements. E. P. Kulakov. Zashch. rast. ot vred. i bol. 5 no. 5:14-16 My '60.

MOSCOW PROVINCE—LOCAL GOVERNMENT

Public participation in the activities of local soviets. M. Filatov. Otv. na vop. trud. no. 8:29-33 Ag '62.

MOSCOW PROVINCE—PEDIATRICS

Basic principles for conducting the work of raising the qualifications of physician-pediatricians in Moscow Province. T. A. Grishina, M. I. Olevskii, A. L. Strutsovskaya. Vop. okh. mat. i det. 7 no. 9:72-75 S '62.

MOSCOW PROVINCE—PINE

Pine stands planted in clusters on cutovers in the Moscow region [with summaries in English, German, and French]. V. V. Gribkov. Vest. sel'khoz. nauki 7 no. 10:95-91 O '62.

MOSCOW PROVINCE—PLANTS, PROTECTION OF

Protecting landscape plantations in towns and settlements. E. P. Kulakov. Zashch. rast. ot vred. i bol. 5 no. 5:14-16 My '60.

MOSCOW PROVINCE—POTATOES

Effect of the mechanization level upon labor productivity in cultivating potatoes; using the example of specialized state farms in Moscow Province. E. N. Balandin. Dokl. TSKHA no. 75:255-263 '62.

MOSCOW PROVINCE—POULTRY BREEDING

Accelerated improvement of meat quality in chicks [with summaries in English, German, and French]. S. I. Smetnev, L. Belov, V. A. Sergeev. Vest. sel'khoz. nauki 7 no. 5:73-82 My '62.

MOSCOW PROVINCE—POULTRY HOUSES AND EQUIPMENT

Simplified structures for keeping ducks without a pond. I. G. Ganopol'skii. Sel'. stroi. no. 12:3-4 D '62.

MOSCOW PROVINCE—PRECAST CONCRETE

Precast reinforced concrete should be under a single management. S. Epstein. Na stroi. Ros. no. 12:22-24 D '62.

MOSCOW PROVINCE—RED SPIDER

Brown and red orchard mites in Moscow Province. I. Shepreth. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:169-170 '62.

MOSCOW PROVINCE—RESTAURANTS, LUNCHROOMS, ETC.

The first in a city which is not shown on the map. D. Arkad'ev. Obshchestv. pit. no. 11:16-17 N '62.

MOSCOW PROVINCE—SCHOOLHOUSES

Experimental frame-slab school on the state farm "Zaria Kommunistov." E. Ablova and others. Sel'. stroi. no. 12:8b-10 D '62.

MOSCOW PROVINCE—SOIL CHEMISTRY

Studying the agrochemical properties of soils on the "Gorodishche" State Farm in Moscow Province for the purpose of fertilizer application. V. N. Kudriarov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:219-223 '62.

MOSCOW PROVINCE—SOILS—CLASSIFICATION

Cheremushkin, S. D., A. P. Klopotovskii, and M. V. Markova. [Basic principles of the economic valuation of land] Osnovnye printipy ekonomicheskoi otsenki zemli; materialy nauchno-issledovatel'skikh rabot. Moskva, Vses. nauchno-issl. in-t ekon. sel'. khoz., 1962. 79 p.

MOSCOW PROVINCE—SPRAYING AND DUSTING EQUIPMENT

Equipment for spraying plants under glass. E. D. Galushko. Zashch. rast. ot vred. i bol. 5 no. 10:13-15 O '60.

MOSCOW PROVINCE—STATE FARMS

Party groups on state farms. Part. zhizn' no. 2:43-50 Ja '63.

MOSCOW PROVINCE—STATE FARMS—MANAGEMENT

Specialization and concentration of production on the state farms near cities in Moscow Province. N. Isaenko, N. Kniazev. Ekon. sel'khoz. 33 no. 12:65-71 D '62. Teslenko, I. U. G. [Two state farms and two results] Dva sovkhosa - dva rezul'tata. [Moskva] Mosk. rabochii, 1962. 60 p.

MOSCOW PROVINCE—STRAWBERRIES

Using film covers for accelerating the ripening of strawberries in Dnepropetrovsk and Moscow Provinces. A. I. Gorovaya. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:119-123 '62.

MOSCOW PROVINCE—TRACTORS—MAINTENANCE AND REPAIR

Analysis of tractor repair in Moscow Province. N. I. Nilov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11: 341-348 '62.

MOSCOW PROVINCE—VEGETABLE GARDENING

Analysis of the cost of vegetables on the state farms of the Moscow Vegetable and Potato-Growing Trust. V. A. Denisov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:21-28 '62. Economic effectiveness of growing vegetables on the state farms of Moscow Province, as exemplified by the "Bol'shevik" State Farm in Serpukhov District. N. S. Katkov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11: 13-20 '62.

MOSCOW REGION—ANTI-AIRCRAFT GUNS

Sky sentries are on guard. P. F. Batitskii. Sov. voen. 45 no. 1:1-2 Ja '63.

MOSCOW REGION—DAIRY INDUSTRY—COSTS

Hidden potentialities for increasing milk production and reducing its cost on state farms near Moscow. V. A. Dobrynin. Dokl. TSKHA no. 75:101-105 '62.

MOSCOW REGION—FARM MECHANIZATION—STUDY AND TEACHING

Courses are open. What next? N. Murav'eva, Georgii Zhudro. Komsom. zhizn' no. 21:13-15 N '62.

MOSCOW REGION—GREENHOUSE MANAGEMENT

Hotbeds and greenhouses on specialized vegetable and potato growing state farms near Moscow. A. F. Fudin. Dokl. TSKHA no. 50:129-140 '59.

MOSCOW REGION—SWINE

Conditions for the profitable production of swine on state farms near cities. I. F. Gorbach. Dokl. TSKHA no. 50:141-149 '59.

MOSCOW REGION—VEGETABLE GARDENING

Hotbeds and greenhouses on specialized vegetable and potato growing state farms near Moscow. A. F. Fudin. Dokl. TSKHA no. 50:129-140 '59.

MOSKVIN, ANDREI NIKOLAEVICH, 1901-

Andrei Moskvina at the camera. Isk. kino no. 10:116-12 O '62.

MOSOLOV, NIKOLAI SEMENOVICH, 1847-1914

Contribution made by D. A. Roynakii and N. S. Mosolov to the study of Rembrandt. E. I. Smirnova. Soob. GMI [no. 1]:64-69 '60.

MOSQUITOES

(see also subdivision under Alma-Ata Province; Gorky Province)

Mosquitoes and methane. A. A. Pikhlik. Priroda 52 no. 1:70 '53.

MOSSES see subdivision under Tayshet District

MOSSES—TOXICOLOGY

Toxicity of some mosses and lichens in relation to Azotobacter in the soils of Karelia [with summary in English]. T. I. Evdokimova. Pochvovedenie no. 8: 88-92 Ag '62.

- MOTHERS**
A heroic mother. M. Tychnya. Rab. i stal. 38 no. 12: 18-19 D '62.
- MOTHERS—MORTALITY**
Mortality from perinatal hemorrhages and ways for its further lowering. G. A. Palladi. Zdravookhranenie 5 no. 3:6-10 My-Je '62.
- MOTHS** see subdivision under Kazakhstan; Kustanay Province
- MOTHS—BIOLOGICAL CONTROL**
(see also subdivision under Kazakhstan)
Entrobacterin-3 and its use for controlling harmful insects. O. I. Shvetsova. Zashch. rast. ot vred. i bol. 4 no. 5:38 S-O '59.
- MOTHS—EXTERMINATION**
(see also subdivision under Armenia; Soviet Far East; Ufa District)
Observing the flight of the gray grain moth. L. E. Stepanenko. Zashch. rast. ot vred. i bol. 4 no. 5:57 S-O '59.
- MOTHS—PARASITES** see Parasites—Moths
- MOTION**
On a theorem of Poincaré relating to the problem of the motion of a solid body in a Newtonian field of force. I. U. A. Arkhangel'skii. Prikl. mat. i mekh. 26 no. 6: 1116-1117 N-D '62.
On the theory of stability of motion. V. M. Matrosov. Prikl. mat. i mekh. 26 no. 6:982-1002 N-D '62.
Principle of the generating of a tractive force for motion. M. A. Lavrent'ev, M. M. Lavrent'ev. PMTF no. 4:3-9 Ji-Ag '62.
- MOTION-PICTURE AUDIENCES** see subdivision under Magadan Province
- MOTION-PICTURE CAMERAS**
(see also subdivision under Poland)
Attachment for the "Kvarts" motion-picture camera; view finder for macrofilming. N. Zakharov. Sov. foto 22 no. 11:36-37 N '62.
Lens turret for the "Kvarts" camera. A. Zhukov, N. Potianakii. Sov. foto 22 no. 12:32-33 D '62.
- MOTION-PICTURE CARTOONS**
Contemporary magicians of the screen. S. Asenin. Isk. kino no. 10:62-68 O '62.
Our guests from England and other countries. Isk. kino no. 10:59-60 O '62.
- MOTION-PICTURE FESTIVALS** see subdivision under Czechoslovakia; Moscow
- MOTION PICTURE INDUSTRY** see subdivision under Uzbekistan
- MOTION-PICTURE JOURNALISM**
Motion pictures and their critical evaluation. A. Groshav. Kommunist 39 no. 3:85-93 F '63.
- MOTION-PICTURE MUSIC**
Music of the "profound" screen. I. A. Kharon. Sov. muz. 26 no. 12:5-6 D '62.
Reveal the spiritual wealth of man. Sov. muz. 26 no. 12:3-5 D '62.
The stage-director meets with the composer. A. Karanovich. Sov. muz. 26 no. 12:6-13 D '62.
- MOTION-PICTURE PHOTOGRAPHY**
Current problems of pictorial composition in motion pictures. L. Kosmatov, T. Ter-Gevondian. Vop. kinoisk. no. 6:83-121 '62.
Kosmatov, L. V. [Technique of the cameraman] Operatsionnoe masterstvo. Moskva, Iskusstvo, 1962. 164 p. (Biblioteka kinokhibitella)
Problems in the development of the motion-picture industry of the peoples of the U.S.S.R. Vop. kinoisk. no. 6:122 '62.
The word photographer conveys more than just a title. Maia Merkel'. Isk. kino no. 10:100-108 O '62.
- MOTION-PICTURE PHOTOGRAPHY—BIBLIOGRAPHY** see Bibliography—Motion-picture photography
- MOTION-PICTURE PHOTOGRAPHY—CONGRESSES**
Use of television techniques in filming; the "Elektronik-Kem" method of motion-picture photography (with summary in English, p. 86) R. Shutz. Tekh. kino i telev. 7 no. 1:31-37 Ja '63.
- MOTION-PICTURE PHOTOGRAPHY—FILMS—BIBLIOGRAPHY** see Bibliography—Motion-picture photography—Films
- MOTION-PICTURE PLAYS**
(see also subdivision under Bulgaria; Czechoslovakia; France; Hungary; Italy; Ukraine)
Creative quests of Russian motion pictures in the pre-revolutionary years. S. Ginzburg. Vop. kinoisk. no. 6:251-260 '62.
Current developments in Soviet motion pictures. L. Pogozheva. Isk. kino no. 10:94-99 O '62.
- A face and images. V. Sukharevich. Isk. kino no. 10: 47-49 O '62.
Frankly speaking... L. D. Landau. Isk. kino no. 10: 107-109 O '62.
From everywhere. Isk. kino no. 10:151-154 O '62.
Iakov Protazanov and Soviet motion pictures of the 1920's. N. Zorkaja. Vop. kinoisk. no. 6:165-180 '62.
If we must debate, let's do it in this fashion! N. Kovarskii. Isk. kino no. 10:38-46 O '62.
K. S. Stanislavskii and motion pictures; survey and publication of materials. I. U. Kalashnikov, M. Sataeva. Vop. kinoisk. no. 6:281-317 '62.
Motion-picture schedule. Isk. kino no. 10:157-160 O '62.
Motion pictures and communism. S. Freilikh. Vop. kinoisk. no. 6:5-22 '62.
Multinational character of Soviet motion pictures. G. Chakhir'lan. Vop. kinoisk. no. 6:140-164 '62.
New features of dramatic conflict in contemporary motion pictures. L. Pogozheva. Vop. kinoisk. no. 6: 23-48 '62.
Once upon a time... (part three). Viktor Shklovskii. Znamia 32 no. 12:171-185 D '62.
Once upon a time... (to be continued). Viktor Shklovskii. Znamia 33 no. 1:177-185 Ja '63.
Role of surroundings in the contemporary film. L. Belova. Vop. kinoisk. no. 6:49-69 '62.
- MOTION-PICTURE PROJECTION**
Improving the projection of panoramic films. A. A. Nezhetsev, A. A. Kovalev. Tekh. kino i telev. 7 no. 1:63 Ja '63.
Multiple-projector system for motion-picture projection (with summary in English on p. 96). E. M. Goldovskii. Tekh. kino i telev. 7 no. 1:14-23 Ja '63.
- MOTION-PICTURE PROJECTION—BIBLIOGRAPHY** see Bibliography—Motion-picture projection
- MOTION-PICTURE PROJECTORS**
Two-film projector for use by motion-picture expeditions. I. S. Mandel'. Tekh. kino i telev. 7 no. 1:64 Ja '63.
- MOTION-PICTURE SCREENS—PAINTING**
Automatically controlled unit for mechanized painting and drying of plastic motion-picture screens. I. U. A. Koslovskii. Lakokras. mat. i ikh prim. no. 6:66-70 '62.
- MOTION-PICTURE THEATERS—FIRES AND FIRE PREVENTION**
The regulations are in effect and they should be observed. A. Novikov. Pozh. delo 8 no. 12:15 D '62.
- MOTION PICTURES**
(see also subdivision under Czechoslovakia; France; Germany, East; Poland)
Basic trends in research work in the field of motion-picture technology. V. G. Komar, V. I. Uspenskii. Tekh. kino i telev. 7 no. 1:1-5 Ja '63.
Folk festivals, discussions, meetings with movie goers. Isk. kino no. 10:1-2 O '62.
Genres of early motion pictures. E. Arnoldi. Vop. kinoisk. no. 6:225-250 '62.
How Soviet motion pictures portray the Soviet man. A. N. Groshev. Vop. fil'm, 17 no. 1:49-60 '63.
Motion-picture education in the U.S.S.R.; from the history of the All-Union State Institute of Motion Pictures, 1910-1930. N. Lebedev. Vop. kinoisk. no. 6:191-224 '62.
The motion picture, "Ivan's childhood." I. Borisov. Nar. obr. no. 1:87 Ja '63.
Problems in the development of the motion-picture industry of the peoples of the U.S.S.R. Vop. kinoisk. no. 6:122 '62.
Rostovtsov, I. G. [Battleship Potemkin.] Bronenosets Potemkin. Moskva, Izd-vo "Iskusstvo," 1962. 210 p. Through the magic crystal... Tamara Hovey. Isk. kino no. 10:123-127 O '62.
We are making the first Soviet-Italian motion picture; interview with Giuseppe de Santis. V. Krasnopol'skii. Nov. vrem. 20 no. 2:28-29 Ja '63.
- MOTION PICTURES—BIBLIOGRAPHY** see Bibliography—Motion pictures
- MOTION PICTURES—EQUIPMENT AND SUPPLIES**
Improve the quality of apparatus and equipment for the movie theater net. Tekh. kino i telev. 7 no. 1:82-94 Ja '63.
What amateur motion picture organizations require from the industry; notes taken at the Exhibition of Amateur Motion Picture Equipment. A. S. Tikhomirov. Tekh. kino i telev. 7 no. 1:65-68 Ja '63.
- MOTION PICTURES—PRODUCTION AND DIRECTION**
Konoplev, B. N. [Production of motion pictures] Proizvodstvo kinofil'mov. Moskva, Izd-vo "Iskusstvo," 1962. 306 p.
Kriuchevnikov, N. V. [The composition of a film] Kompozitsiia fil'ma. Moskva, Gos. izd-vo "Iskusstvo," 1960. 203 p. (Biblioteka molodogo kinematografista) (CISU)
The sound-system operator is an artist. Isk. kino no. 10:11-12 O '62.
- MOTION PICTURES, BRITISH**
"Saturday night and Sunday morning," a British film. Zhen. mira no. 7:30-31 '62.
- MOTION PICTURES, DOCUMENTARY**
Barakhaev, O. I. [The documentary and popular-science film] Dokumental'nyi i nauchovo-populiarnyi fil'm. 2. dop. vyd. Kyiv, Derzh. vyd-vo obrazovtvochoho mystetstva i muzychnoi lit-ry URSR, 1962. 45 p. (Biblioteka z pytan' mystetstva: kino)
If we stop a motion-picture film. A. Petrov. Znan. sila 37 no. 11:6-7 N '62.
The word photographer conveys more than just a title. Maia Merkel'. Isk. kino no. 10:100-108 O '62.
- MOTION PICTURES, POLISH**
"The Teutonic Knights," a Polish film. Zhen. mira no. 4:32-33 '62.
- MOTION PICTURES, SPANISH**
Viridiana; a Spanish motion picture. Zhen. mira no. 10: 6-7 '62.
- MOTION PICTURES FOR CHILDREN**
"We don't want such a sky!" M. Ognianov, A. Shtatin. Sem'ia i shkola 17 no. 9:28-29 S '62.
- MOTION PICTURES IN EDUCATION**
(see also subdivision under Ukraine)
Cultivate the man of the future. Pavel Branko. Isk. kino no. 10:113-115 O '62.
Great art of motion pictures for students. Isk. kino no. 10:110-111 O '62.
New educational motion pictures. L. A. Makh. Sred. spets. obr. 10 no. 1:57 Ja '63.
The problem of utilizing motion pictures in education is being raised. Emilienne Brunfaut. Zhen. miro. no. 5: 9 '62.
Screen of knowledge. Boris Agapov. Znamia 32 no. 10: 202-205 O '62.
Use of mechanical aids in educational research. E. E. Solov'eva. Sov. pedagog. 26 no. 8:116-129 Ag '62.
- MOTION PICTURES IN INDUSTRY** see subdivision under United States
- MOTION PICTURES IN LITERATURE**
The screen is like a book. B. Basmanov. Isk. kino no. 10:111-113 O '62.
- MOTION PICTURES IN SCIENCE**
Barakhaev, O. I. [The documentary and popular-science film] Dokumental'nyi i nauchovo-populiarnyi fil'm. 2. dop. vyd. Kyiv, Derzh. vyd-vo obrazovtvochoho mystetstva i muzychnoi lit-ry URSR, 1962. 45 p. (Biblioteka z pytan' mystetstva: kino)
- MOTION STUDY** see subdivision under United States
- MOTOR GRADERS** see Graders (Earthmoving machinery)
- MOTOR VEHICLES**
(see also subdivision under Germany, West)
Advice of specialists. Za rul. 20 no. 12:20-21 D '62.
"Behind the steering wheel of a motor vehicle" by A. Ivanov. Za rul. 21 no. 1:32 Ja '63.
From local newspapers. Za rul. 21 no. 1:26 Ja '63.
News of engineering abroad. Za rul. 20 no. 12:30-31 D '62.
News of foreign engineering. Za rul. 21 no. 1:26-29 Ja '63.
- MOTOR VEHICLES—AXLES**
Determining vertical dynamic loads on the axle of a motor-vehicle balancing bogie. E. I. Lakh. Avt. prom. 28 no. 11:11-18 N '62.
Using blocking differentials. A. Kh. Lefarov. Avt. prom. 28 no. 11:16-18 N '62.
- MOTOR VEHICLES—BIBLIOGRAPHY** see Bibliography—Motor vehicles
- MOTOR VEHICLES—BRAKES**
Investigating the performance of the antiblocking device in the pneumatic brake drive of a motor vehicle. A. S. Brykov, I. S. Orzheyskii, V. G. Rozanov. Avt. prom. 28 no. 11:8-11 N '62.
- MOTOR VEHICLES—COLD WEATHER OPERATION**
Winter has come. Za bezop. dvizh. 6 no. 12:3 D '62.
- MOTOR VEHICLES—DESIGN AND CONSTRUCTION**
Chikalov, G. P., and others. [Manufacturing motor-vehicle parts of caprom] Izgotovlenie detalей avtomobilia iz kaproma. Kiev, Nauchno-Issl. in-t mestnoi i toplivnoi promyshl., 1959. 45 p. [MICROFILM]
Structural characteristics of a motor vehicle securing easy maintenance and repair. V. T. Zablotskii. Avt. prom. 28 no. 11:6-7 N '62.
- MOTOR VEHICLES—ENGINES**
Determining the temperature of working medium in the cylinder of a motor-vehicle diesel engine. M. G. Kruglov. Avt. prom. 28 no. 11:4-6 N '62.
Prolonging the life of engines. N. I. Borisov. Avt. prom. 28 no. 1:6-7 Ja '63.

MOTOR VEHICLES—MAINTENANCE AND REPAIR

Structural completion and engineering efficiency of the repairing of motor-vehicle parts. A. M. Kurilov. Avt. prom. 29 no. 1:8-9 Ja '63.

MOTOR VEHICLES—PNEUMATIC EQUIPMENT

Pneumatic flexible elements made of rubberized cord. A. M. Gorelik, I. A. M. Pevzner. Avt. prom. 28 no. 11: 21-28 N '62.

MOTOR VEHICLES—SOCIETIES, ETC. see subdivision under Chelyabinsk; Estonia; Odessa; Yaroslavl

MOTOR VEHICLES—SPRINGS

Calculating characteristics of pneumatic flexible elements with counterpressure. I. A. M. Pevzner. Avt. prom. 28 no. 12:14-20 D '62.

MOTOR VEHICLES—TRANSMISSION DEVICES

Effect of the structural design of the drive for front driving axles of motor vehicles on their tractive and economic characteristics. I. V. Pirkovskii, N. N. Iatsenko. Avt. prom. 29 no. 1:15-19 Ja '63.

Rigidity calculation of motor-vehicle spur gear transmissions. A. P. Kuznetsov, M. M. Morin. Izv. vys. ucheb. zav. mashinostr. no. 7:235-243 '62.

MOTORBOAT RACING

On foreign water tracks. B. Gibner. Za rul. 20 no. 12:28-29 D '62.

MOTORBOATS

Motorboat for amateur boatbuilding. I. N. Nikiforov. Sudostroenie 28 no. 10:31-34 O '62.

MOTORBUS LINES—STATIONS see subdivision under Alusha

MOTORCYCLE RACING

(see also subdivision under Bavaria; Kirovograd; Odessa; Ukraine; Zaporozhye)

"Competition in figure driving of automobiles and motorcycles" by V. Berezkin, S. Postel'nikov. Reviewed by E. Sokhatskaya. Za rul. 21 no. 1:33 Ja '63.

Having left the track. V. Morgunov. Za rul. 20 no. 12:7 D '62.

A long race. V. Vaitolov. Za rul. 20 no. 12:10 D '62.

Motorcycle racing is very exciting. NTO 4 no. 11:58-59 N '62.

Only in Odessa? Za rul. 21 no. 1:3 Ja '63.

Toward top performances in cinder-track racing. B. Sheigam. Za rul. 21 no. 1:22-23 Ja '63.

Toward volunteer work. A. Skvortsov. Za rul. 20 no. 12:1-2 D '62.

Training voluntary judges. G. Afremov. Za rul. 21 no. 1:10-11 Ja '63.

World championship in motorcycle racing. V. Bekman. Za rul. 21 no. 1:28-30 Ja '63.

MOTORCYCLES

Following up our articles. Za rul. 20 no. 12:27 D '62.

Light, attractive, comfortable. Za rul. 21 no. 1:13 Ja '63.

MOTORCYCLES—ENGINES—MAINTENANCE AND REPAIR

Repairing the JZb engine. V. Astanin. Za rul. 21 no. 1:24-25 Ja '63.

MOTORCYCLES—MAINTENANCE AND REPAIR

Preventive maintenance is a basic requirement. Za rul. 21 no. 1:25 Ja '63.

MOTORCYCLES—SOCIETIES, ETC.—CONGRESSES

Congress of the International Motorcycle Association. B. Tramm. Za rul. 21 no. 1:30 Ja '63.

MOTORCYCLES—TESTING see subdivision under Irbit

MOTORSHIPS—HANDLING

Operation of the motorship "Ussuriysk." F. M. Elistratov. Sudostroenie 28 no. 10:18-21 O '62.

MOTORTRUCKS

(see also subdivision under Moscow)

The DAF motortrucks, semitrailers and trailers. V. F. Mamonov. Avt. prom. 28 no. 11:48-48 N '62.

Principles for organizing a motortruck assembly plant. S. A. Nikitin. Avt. prom. 28 no. 12:1-5 D '62.

MOTORTRUCKS—BODIES

Investigating the strength of the cab of the ZIL-130 motortruck. D. B. Gelfgat and others. Avt. prom. 28 no. 1:12-14 Ja '63.

MOTORTRUCKS—ENGINES

Noise of the carburetor engine of a motortruck. A. G. Zubekhin. Avt. prom. 28 no. 12:12-14 D '62.

MOTORTRUCKS—FRAMES—TESTING

Fatigue testing of motortruck frames on stands. M. M. Kohn, L. M. Lel'chuk. Avt. prom. 29 no. 1:25-28 Ja '63.

MOTORTRUCKS—MAINTENANCE AND REPAIR see subdivision under Lyublin; Saratov Province

MOTORTRUCKS—WHEELS

Wheels without disks for the ZIL-130 motortruck. M. A. Golovicher. Avt. prom. 28 no. 1:23-24 Ja '63.

MOUNDS see subdivision under Ill Valley

MOUNTAINERRING

(see also subdivision under Kilimanjaro)

[Techniques of sports mountaineering] Tekhnika sportivnykh gorovoakhozhdenii. [By] B. Garf i dr. Moskva, Fizkultura i sport, 1962. 167 p.

MOUNTAINS

Factors in classifying mountainous countries as medium or high-mountain. I. S. Shehukin. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:11-16 N-D '62.

MOVEMENT, PSYCHOLOGY OF

Comparative analysis of touch and vision. Report No. 10; Special aspects of hand movements in perceptual and recognition acts. V. P. Zinchenko, T. V. Lavrent'eva, A. G. Ruzauskaya. Dokl. APN no. 1:81-84 '62.

Electrophysiological investigation of a kinesthetic analyzer. Report No. 2; Temporary components of a movement. A. S. Egorov, I. U. Z. Zakhar'iants. Dokl. APN no. 1:113-116 '62.

Electrophysiological investigation of a kinesthetic analyzer. Report No. 3. Force components of a movement. A. S. Egorov, I. U. Z. Zakhar'iants. Dokl. APN no. 2:111-114 '62.

Influence of conveyor work on operators. Report No. 2; Functional changes in workers during a long operation consisting of many elements. V. G. Aseev. Dokl. APN no. 1:21-24 '62.

Role of kinesthetic and visual control in the performance of movements by medium school-age children. K. E. Khomenko. Dokl. APN no. 2:85-88 '62.

Stochastic theory of perception. Report No. 6. Evaluation of the effectiveness of perception on the basis of the analysis of movement trajectory in tactile perception. L. Arons, E. N. Sokolov. Dokl. APN no. 2:61-64 '62.

MOWING-MACHINES

Self-propelled mower. A. Gorenshstein. Tekh. v sel'khoz. 22 no. 11:50 N '62.

MOZHAIKII, ALEKSANDR FEDOROVICH, 1925-1890

Aleksandr Mozhaiskii's water colors. G. A. Lensen. Az. i Afr. seg. no. 1:54-55 Ja '63.

MOZHAYSK DISTRICT—AGRICULTURAL WAGES

The piecework-bonus wage system on the "Vlast' Sovetov" State Farm. P. Rukosuev. Sots. trud. 7 no. 4:110-116 Ap '62.

MOZHAYSK DISTRICT—DAIRY INDUSTRY—LABOR

Productivity Effect of production concentration upon labor productivity in raising dairy cattle; using the example of the "Vlast' Sovetov" State Farm in Mozhaysk District, Moscow Province. P. P. Dunayev. Dokl. TSKHA no. 75:107-113 '62.

MUD VOLCANOES see subdivision under Azerbaijan

MUGODZHAR HILLS REGION—PALYNOLOGY

Division of Paleozoic sediments in the western part of Mugodzhah Hills region based on the study of spore-pollen complexes. E. F. Shatkinskaya. Uch. zap. SGU 65:70-80 '59.

MUIR, ALEXANDER, 1906-1962

Doctor Alexander Muir; an obituary. V. G. Ogg. Pochvovedenie no. 9:124-126 S '62.

MULBERRY—DISEASES AND PESTS see subdivision under Tajikistan

MULBERRY BREEDING see subdivision under Azerbaijan

MULCHING

Effect of herbicides on the sprout-protecting properties of paper. K. A. Balakireva. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:125-131 '62.

Effect of mulching on the development of the damask rose [with summaries in English, German, and French]. P. M. Chikalov. Vest. sel'khoz. nauk 7 no. 11:127-131 N '62.

MUNICIPAL ENGINEERING—COSTS

Determining the cost of municipal engineering systems of microdistricts. V. M. Gulgarts. Vod. i san. tekhn. no. 12:7-8 D '62.

MUNICIPAL SERVICES see subdivision under Moscow

MUNTIONS see subdivision under Austria

MURGAB OASIS—SOILS

Soils of the Murgab Oasis, irrigated in the past [with summary in English]. N. G. Minashina. Pochvovedenie no. 8:24-35 Ag '62.

MURMANSK—HEALTH EDUCATION

Beyond the Arctic circle. A. Smirnova. Sov. Kras. krest 12 no. 4:10 Ji-Ag '62.

MURMANSK PROVINCE—PEGMATITES

Two genetic pegmatite groups in the Monchegorsk pluton. N. F. Chelishchev. Trudy IMGRE no. 8:240-263 '62.

MURMANSK PROVINCE—POLITICS AND GOVERNMENT

"A decision of an executive committee." Sov. deput. trud. no. 6:70 Je '62.

MUSCLES

Characteristics of the evolution of muscles and formations of connective tissues in the soft section of the manus and the foot of mammals. R. H. Radylov'ska. Pratsi Inst. zool. AN URSR 18:50-55 '62.

Characteristics of the impedance of the skeletal musculature in dogs at different age periods. T. A. Adzhimolov, V. V. Gavrilov. Dokl. AN SSSR 147 no. 4:681-684 D '62.

Functional analysis of the morphology of the muscles of the pelvic limb in some birds. V. P. Usenko. Pratsi Inst. zool. AN URSR 18:77-85 '62.

Role of the muscles in the development of insulin hypoglycemia [with summary in English]. S. G. Gones. Trudy Ukr. nauch. i issl. inst. eksper. endok. 18:120-133 '61.

MUSEUMS see subdivision under Bukovina; Kiev; Moscow; also subdivision 'Art galleries and museums' under Leningrad; Moscow

MUSHROOMS

Mushrooms. V. Parkhomenko. Nauka i zhytlin 12 no. 10:46 O '62.

MUSIC

(see also subdivision under Omak)

Akademiia nauk SSSR. Institut istorii iskusstv. [Theater and music; documents and materials] Teatr i muzyka; dokumenty i materialy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 192 p.

"Books on the arts" by A. A. Gvozdev, G. I. Navikov, I. I. Tsyrlin. Reviewed by I. Fol'man. Sov. knizh. torg. 14 no. 1:45-46 Ja '63.

Brief news. Sov. muz. 26 no. 12:141-153 D '62.

If they inform the reader. G. Fidler. Sov. knizh. torg. 14 no. 12:35-36 D '62.

MUSIC—ACOUSTICS AND PHYSICS

Robot makes music. Oleg Pisarchevskii. V mire knlg 3 no. 1:10 Ja '63.

MUSIC—ANALYSIS, APPRECIATION

Aesthetic training by means of music in extracurricular work. H. P. Bursa. Rad. shk. 41 no. 12:55-59 D '62.

MUSIC—BIBLIOGRAPHY see Bibliography—Music

MUSIC—COMPETITIONS see subdivision under Moscow

MUSIC—INTERPRETATION (PHRASING, DYNAMICS, ETC.)

"Interpretation of orchestral scores" and "Essays on orchestral style" by A. M. Veprik. Reviewed by M. Chulaki. Sov. muz. 26 no. 12:134-136 D '62.

MUSIC—PHILOSOPHY AND AESTHETICS

Some objectives of the discipline of aesthetics. I. U. Kremlov. Sov. muz. 26 no. 12:35-40 D '62.

MUSIC—SOCIETIES, ETC.

Will there be a performers' section? Sov. muz. 26 no. 12:76-79 D '62.

MUSIC, HUNGARIAN—HISTORY AND CRITICISM

New works of Hungarian composers. Sov. muz. 26 no. 12:125-126 D '62.

MUSIC, WHITE RUSSIAN—HISTORY AND CRITICISM

Minovich, S. G. [White Russian folk songs in the musical dramaturgy of national operas and ballets] Belaruskaya narodnaya posla u muzychnaia dramaturgii nataylanal'nykh oper i baletau. Minsk, Dziarzh. vyd-va BSSR, 1962. 80 p.

MUSIC FESTIVALS see subdivision under Salzburg; Stockholm

MUSIC HALLS see subdivision under Kharkov

MUSIC LIBRARIES

Readers in the music division. M. Bulynko. Bibliotekar' no. 1:42-43 Ja '63.

MUSIC TRADE

Brief story about the purchase of a piano. Ivan Zaitsev. Sov. deput. trud. no. 9:81-83 S '62.

MUSICAL INSTRUMENTS, ELECTRONIC

Electronic musical instruments. M. Holter, H. Pettsel'. Nauka i zhytlin 12 no. 10:49-50 O '62.

- MUSSOLINI, BENITO, 1883-1945**
History of a secret plan; Gedenstrom's negotiations with Mussolini. Submitted by A. S. Korneev. Ist. arkh. 8 no. 5:96-112 S-O '62.
- MUSTARD—DISEASES AND PESTS**
We are protecting mustard against pests. V. N. Litvinov, A. A. Kuznetsova. Zashch. rast. ot vred. i bol. 2 no. 6: 48 N-D '57.
- MUTUAL ECONOMIC ASSISTANCE COUNCIL**
Cooperation in power engineering. TU. Savenko. Plan. khoz. 40 no. 1:88-95 Ja '63.
Cooperation of socialist countries in comparing the efficiency of capital investments. Ekon. stroi. no. 1: 70 Ja '63.
Cooperation of socialist countries in the field of the economics of construction. Ekon. stroi. no. 1:69 Ja '63.
The Council for Mutual Economic Assistance and the European Economic Community. IU. Belshev, V. Tandt. Mezhdunar. zhizn' 10 no. 2:18-25 F '63.
International Socialist Bank. Nov. vrem. 20 no. 3:15 Ja '63.
Let's study thoroughly the development laws of the world socialist system. E. F. Borisov, G. V. Donskoi. Vest. vys. shkoly 20 no. 12:49-56 D '62.
The Mutual Economic Assistance Council. V. Kashirin. Otv. na vop. trud. no. 9:36-43 S '62.
New form of international economic contacts. Sh. Ul'ma-baev, S. Kheifets. Komm. Uz. 34 no. 10:89-76 O '62.
New stage in the economic cooperation of socialist countries. B. Miroshnichenko. Vop. ekon. no. 12:25-37 D '62.
The socialist internationalization of production. G. Kar-khin. Mezhdunar. zhizn' 10 no. 3:12-19 Mr '63.
- MYOPIA**
Questions and answers. Sov. Kras. krest 12 no. 4:32 Ji-Ag '62.
Transitory myopia in conjunction with transitory glaucoma. E. A. Korol'. Zdrav. Bel. 8 no. 12:66-67 D '62.
- MYXEDEMA**
Therapeutic use in myxedema of blood serum from thyrotoxicosis patients [with summary in English]. G. I. Semenova. Trudy Ukr. nauch.-issl. inst. ekaper. endok. 18:103-110 '61.
- NADSON, SEMEN IAKOVLEVICH, 1862-1887**
Nadson, I. Shchurov. V mire knig 2 no. 12:28 D '62.
- NAKHICHEVAN A. S. S. R.—NEMATODA**
Studying the haemonchosis in sheep and goats of the Nakhichevan A. S. S. R. and its control. K. Sh. Gadzhiev, A. G. Kaziev. Trudy Azer. nauch.-issl. vet. inst. 13: 144-150 '62.
- NAKHICHEVAN A. S. S. R.—PARASITES—GOATS**
Studying the haemonchosis in sheep and goats of the Nakhichevan A. S. S. R. and its control. K. Sh. Gadzhiev, A. G. Kaziev. Trudy Azer. nauch.-issl. vet. inst. 13: 144-150 '62.
- NAKHICHEVAN A. S. S. R.—PARASITES—SHEEP**
Studying the haemonchosis in sheep and goats of the Nakhichevan A. S. S. R. and its control. K. Sh. Gadzhiev, A. G. Kaziev. Trudy Azer. nauch.-issl. vet. inst. 13: 144-150 '62.
- NAKHICHEVAN A. S. S. R.—RED SPIDER—EXTERMINATION**
Mercaptophos kills the spider mite in tree stands. V. V. Kurdiukov. Zashch. rast. ot vred. i bol. 4 no. 5: 38 S-O '59.
- NAKHICHEVAN A. S. S. R.—TREES—DISEASES AND PESTS**
Mercaptophos kills the spider mite in tree stands. V. V. Kurdiukov. Zashch. rast. ot vred. i bol. 4 no. 5: 38 S-O '59.
- NAKORIAKOV, NIKOLAI NIKANDROVICH**
Service in a noble cause. G. Tashchiev. V mire knig 2 no. 11:42-43 N '62.
- NALEBANDIAN, MIKAIL LAZAREVICH, 1829-1866**
New information on M. Nalbandian's dissertation. S. K. Daronian. Izv. AN Arm. SSR. Obshchestv. nauki no. 1: 79-83 Ja '63.
- NAL'CHIK—CIVIC IMPROVEMENT**
We still don't know when they will carry out their promises. G. Borisov. Sov. deput. trud. no. 9:40-41 S '62.
- NAMANGAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Ideological work is an important factor in the solution of economic problems. T. Ruzibaev. Komm. Uz. 34 no. 10:55-61 O '62.
- NAMANGAN DISTRICT—COLLECTIVE FARMS**
A great mission. R. Safarov. Part. zhizn' [Uzb.] 5 no. 11:51-54 N '62.
- NAMES, GEOGRAPHICAL**
(see also subdivision under Leningrad; Leningrad Province; Pskov Province)
Ruchey, Klyuch, Kolodez', Krinitsa, Rodnik. V. A. Nikonov. Mat. i issl. po rus. dial. no. 2:180-198 '61.
- NAMES, GEOGRAPHICAL—BIBLIOGRAPHY** see Bibliography—Names Geographical
- NAMES, GEORGIAN**
Akhvlediani. [The Old Persian "mačiya-" and the Georgian "mesx-"] Drevnepersidskoe mačiya- i gruzinskoe mesx-. Moskva, Izd-vo vostochnoi lit-ry, 1960. 3 p. (XXV Mezhdunarodnyy kongress vostokovedov; doklady delegatsii SSSR)
- NAMES, OLD PERSIAN**
Akhvlediani. [The Old Persian "mačiya-" and the Georgian "mesx-"] Drevnepersidskoe mačiya- i gruzinskoe mesx-. Moskva, Izd-vo vostochnoi lit-ry, 1960. 3 p. (XXV Mezhdunarodnyy kongress vostokovedov; doklady delegatsii SSSR)
- NAPHTHALAN**
Dynamics of the action of naphthalan. IA. IU. Babaev. Trudy Azer. nauch.-issl. vet. inst. 13:238-244 '62.
Secretion of petroleum products from the organism of cattle after oral introduction of naphthalan. IA. IU. Babaev. Trudy Azer. nauch.-issl. vet. inst. 13:246-249 '62.
- NAPHTHALENE**
Acylation of aromatic compounds. Part 6: Acetylation and benzylation of 2-methylnaphthalene and acenaphthene in the presence of iron and ferric chloride. I. P. Tskervanik, Kh. Kim, A. S. Kurbatova. Zhur. ob. khim. 33 no. 1:234-237 '63.
Effect of impurities on the premelting stage [with summary in English]. G. M. Bartenev, A. A. Remizova. Ukr. fiz. zhur. 7 no. 3:892-998 Ag '62.
Effect of ultrasonic waves on the crystallization of naphthalene. G. A. Zil'berg, S. N. Smirnova. Koks i khim. no. 12:39-43 '62.
- NAPHTHALENESULFONIC ACID**
Naphthalene series. Part 26: Conversions of monosulfonic acids of naphthalene to dinaphthyl sulfones. V. V. Kozlov and others. Zhur. ob. khim. 32 no. 12: 4074-4076 D '62.
- NAPHTHALENESULFONYL CHLORIDE**
Naphthalene series. Part 27: Conversions of naphthalenesulfonyl chlorides to dinaphthyl sulfones. V. V. Kozlov and others. Zhur. ob. khim. 32 no. 12:4077-4079 D '62.
- NAPHTHENES**
Isotherms and differential heats of adsorption of some alkanes and naphthenes on silica gel. A. V. Kiselev, B. A. Frolov. Kin. i kat. 3 no. 5:767-773 S-O '62.
- NAPHTHENES—SPECTRA**
Effect of temperature conditions on certain parameters of the vibration spectra of naphthenes. A. V. Sechka-rev, R. S. Lebedev. Izv. AN SSSR. Ser. fiz. 27 no. 1: 65-68 Ja '63.
- NAPHTHENIC ACIDS**
Crude naphthenic acids as effective demulsifying agents for hydrophobic petroleum emulsions. N. I. Rudakova and others. Nauch. zap. Ukrniiproekta no. 8:71-80 '62.
Isolation from petroleum of ammonium salts of naphthenic acids. A. A. Agaeu. Izv. vys. ucheb. zav. i nef't i gaz 5 no. 4:59-63 '62.
Synthesis of new plasticizers on the basis of naphthenic acids of kerosene fractions. Shamkhal Mamedov, A. S. Rzaev, I. L. Nizker. Neftekhimika 2 no. 5:788-792 S-O '62.
- NAPHTHOL**
Reactions of 8-hydroxyquinoline with α - and β -naphthols. Z. K. Dzhelelanova. Zhur. ob. khim. 32 no. 12: 4079-4083 D '62.
- NAPOLION I—INVASION OF RUSSIA, 1812** see Russia—Invasion of 1812
- NAPOLION I—INVASION OF RUSSIA, 1812—BIBLIOGRAPHY** see Bibliography—Napoleon I—Invasion of Russia, 1812
- NARROW GAUGE RAILROAD** see Railroads, Narrow gauge
- NARYN VALLEY—EROSION**
Some data on station research on soil erosion in the Naryn River basin. A. Dzhusunbaev, I. F. Arislov, O. Asanbaev. Izv. Kir. fil. Vses. ob-va pochn. no. 1:81-84 '62.
- NATIONAL COUNCIL OF THE CHURCHES OF CHRIST IN THE U. S. A.**
Conference with a delegation of the National Council of the Churches of Christ in the U. S. A. (to be concluded). S. Preobrazhenskii. Zhur. Mosk. Patr. no. 11:55-58 N '62.
- NATIONAL PARKS AND RESERVES** see subdivision under Tatra Mountains
- NATIONALISM AND ANT**
Zinger, E. A. [Socialist internationalism and the problem of national form in contemporary art] Sotsialisticheskii internatsionalizm i problema natsional'noi formy v sovremennom iskusstve. Moskva, Iskustvo, 1962. 116 p.
- NATIONALITIES**
Agaeu, A. G. [As one family] V odinom sem'e. Moskva, Gospolitizdat, 1962. 68 p. (Moral'nyi kodeks stroitel'sta kommunizma)
"Declaration of rights of the peoples of Russia." Komm. Bel. 38 no. 11:75-76 N '62.
Following the path indicated by Lenin. A. Polishchuk. Az. i Afr. seg. no. 1:3-5 Ja '63.
The 40th anniversary of the establishment of the U. S. S. R. Sots. zakon. 39 no. 12:7-9 D '62.
Friendly cooperation of fraternal peoples. N. Zhuravlev. Komm. Mold. 7 no. 12:49-58 D '62.
Kravtsev, I. E. [Development of nationality relationships in the U. S. S. R.] Razvitiye natsional'nykh otnoshenii v SSSR. Kiev, Izd-vo Akad. nauk USSR, 1962. 110 p. (Problemy kommunisticheskogo stroitel'stva v svete reshenii XXII s'ezda KPSS) (CST-H)
New stage in the development of national relations in the U. S. S. R. R. Abdushukurov. Nar. khoz. Uzb. 4 no. 11:30-34 N '62.
Problem of the noncapitalist development of some nations. S. N. Grigorian, M. Kh. Khanov. Vop. filos. 17 no. 1:142-148 '63.
Triumph of the Leninist nationalities policy; facts and figures. Komm. Mold. 7 no. 12:61-63 D '62.
The U. S. S. R. is our great motherland. M. Shkifor. Komm. Bel. 36 no. 12:16-24 D '62.
Under the sun of the Great October Revolution. S. Shermukhamedov. Part. zhizn' [Uzb.] 5 no. 11:3-8 N '62.
Union of the free; interview with I. S. Kodlisa. Mol. komm. no. 12:12-20 D '62.
Victory of Lenin's national policy. Ekon. Rad. Ukr. no. 6:3-11 N-D '62.
- NATIONALITIES, PRINCIPLE OF**
Chekalin, M. V. [Communism and the nation] Kommunizm i natsia. Leningrad, Ob-vo po rasprostraneniю polit. i nauchn. znaniy RSFSR, 1962. 62 p.
- NATURAL GAS** see Gas, Natural
- NATURAL HISTORY**
What the "Calendar of nature" will tell in 1963. B. L. Dzerdzhevskii and others. Priroda 52 no. 1:125-128 '63.
- NATURAL RESOURCES**
"Role of natural resources in the development of productive capacities" by L. I. Gurvich. Reviewed by D. M. Pinkhanson. Izv. Vses. geog. ob-va 04 no. 6:532-533 N-D '62.
- NATURAL RESOURCES—LAW AND LEGISLATION**
"Collected legislative enactments on the conservation of natural resources." Reviewed by N. Vedenin. Sots. zakon. 39 no. 12:74-75 D '62.
"Legal regulations concerning the land reserved for special purposes" by N. I. Krasnov. Reviewed by V. A. Kikot'. Sov. gos. i pravo 33 no. 1:143-144 Ja '63.
- NATURE PHOTOGRAPHY**
Exciting and useful. S. Ozhga, K. Koslov, V. Grekov. Sov. foto 22 no. 11:46 N '62.
Forest tale. N. Sladkov. Vokrug sveta no. 12:60 D '62.
- NATURE STUDY**
"Across the forests and groves" by A. M. Ryzhikov. Reviewed by I. Reshetnikov. IUn. nat. no. 1:33 Ja '63.
Extracurricular reading lessons in the second grade. L. N. Astashenko. Nach. shkola 39 no. 12:36-40 D '62.
In December. V. Parkhomenko. Doshk. vykh. 23 no. 12:39 D '62.
Into the knapsack of a detachment. IUn. nat. no. 12:20 D '62.
It happens that... S. Litkens and others. IUn. nat. no. 1:30-32 Ja '63.
Observations of nature. Z. D. Sizenko. Doshk. vosp. 35 no. 9:70-78 S '62.
Observations on nature: A. Piantkovskiy. Doshk. vykh. 23 no. 10:40 O '62.
- NATURE STUDY—PERIODICALS**
For friends of nature. L. Korneshov. Komsom. zhizn' no. 10:22 O '62.
- NAUTICAL TRAINING SCHOOLS**
Special training of crews for American nuclear, rocket-equipped, submarines (from materials in foreign journals). V. V. Peregodov, A. I. Smirnov. Mor. shor. 46 no. 1:80-84 Ja '63.

NAVAL ARCHITECTURE

Belan, F. N. [Principles of the theory of ship construction] *Osnovy teorii sudna*. Leningrad, Izd-vo "Morskoi transport," 1962. 333 p.
Facing the storm. IU, P'ponkin. *Znan. ta pratsia* no. 12:6-7 D '62.

NAVAL ARCHITECTURE—BIBLIOGRAPHY see Bibliography—Naval architecture

NAVAL ARCHITECTURE—CONGRESSES

Twelfth Scientific and Technical Conference on Theoretical Naval Architecture, Sudostroenie 28 no. 10:70-72 O '62.

NAVAL EDUCATION see subdivision under Baku

NAVAL MANEUVERS

Maneuvering of a mobile patrol along lines. V. P. Isakov. *Mor. sbor.* 46 no. 1:54-61 Ja '63.

NAVAL RESEARCH

Application of the theory of war games to naval research. A. P. Tron'. *Mor. sbor.* 46 no. 1:23-30 Ja '63.

NAVIES see also subdivision 'Navy' under Russia

NAVIES—BIBLIOGRAPHY see Bibliography—Navies

NAVIGATION

Experience in navigation and seamanship. *Mor. sbor.* 46 no. 1:62-65 Ja '63.

NAVIGATION—SAFETY MEASURES

Discussion of navigation safety at sea. D. I. A. Eldel'man. *Sudostroenie* 28 no. 10:72-73 O '62.

NAZAROVA, KLAVDIA IVANOVNA, d. 1962

The girl from Ostrov. F. Shuvalov. *Mol. komm.* no. 12: 69 D '62.

NEAR EAST—HISTORY

"The study of the ancient history of the Near East in the Soviet Union, 1917-1959" by N. M. Postovskaya. Reviewed by M. L. Gel'tser. *Sov. bibl.* no. 6:59-60 '62.

NEAR EAST—HISTORY, ANCIENT

The Second All-Union Conference on the Ancient East. A. P. Delanov. *Vop. ist.* 38 no. 1:152-155 Ja '63.

NEAR EAST—SEISMOLOGY

Seismological mission of UNESCO in the Mediterranean Sea region and the Near East. E. V. Karus. *Vest. AN SSSR* 33 no. 1:63-65 Ja '63.

NEBIT-DAG REGION—OIL FIELD BRINES

Formation waters in Pliocene sediments of the Nebit-Dag field. L. M. Mal'tsev. *Trudy Inst. geol. AN Turk. SSR* 3:288-304 '60.

NEBULAE

Distribution of polarized and nonpolarized radio emission in the Crab nebula [with summary in English]. N. S. Soboleva, V. A. Prozorov, IU, N. Paril'skii. *Astron. zhur.* 40 no. 1:3-11 Ja-F '63.

Mikhailov, A. A., ed. [Course on astrophysics and stellar astronomy] *Kurs astrofiziki i zvezdnoi astronomii* [2. izd.]. Moskva, Fizmatgiz, Vol. 2. [By] T. A. Agekian i dr. 1962. 688 p.

Precise absolute measurements of radio emission fluxes of the Crab and Orion nebulae at the 3.2 cm. wavelength [with summary in English]. V. S. Lazarevskii, K. S. Stankevich, V. S. Troitskii. *Astron. zhur.* 40 no. 1:12-16 Ja-F '63.

Some data on nebulae and star clusters. M. V. Dolidze. *Astron. tsir.* no. 224:18-22 Ag '61.

NEBULAE—SPECTRA

N III recombination spectrum of stars and nebulae. Part 7: Determining the degree of N III lines linked with the levels of $1s^2 2s^2 n l$ configurations in the spectra of planetary nebulae [with summary in English]. A. A. Nikitin. *Vest. LGU* 18 no. 1:124-144 '63.

NECROSIS, BACILLARY see subdivision under Azerbaijan

NEFTCHALA REGION—HYDROCARBONS

Changes in the hydrocarbon composition of casinghead gas in the Neftchala petroleum field. F. G. Dadashov, R. A. Guseinov. *Azerb. neft. khoz.* 41 no. 0:7-9 Je '62.

NEFTYANYE KAMNI REGION—OIL WELL DRILLING, SUBMARINE

Additional data on the problems of the development of the series "break" in the Neftyan'ye Kamni field obtained by electric modeling methods. B. A. Azimov and others. *Azerb. neft. khoz.* 41 no. 8:26-29 Ag '62.

NEGROES see subdivision under Panama

NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877

Sokolov, V. AN., ed. [Novgorod motifs in Nekrasov's poetry] *Novgorodskii vklad v poeziu Nekrasova*. [Novgorod] Novgorodskaya pravda, 1961. 63 p. (MH)

NEMATOCIDES

Microelements and substances inhibiting the growth of nematodes in controlling the root knot nematode. V. S. Treskova. *Zashch. rast. ot vred. i bol.* 4 no. 5:26-27 S-O '59.

NEMATODA

(see also subdivision under Kol'badzhar District; Khoper Preserve; Nakhichevan A. S. S. R.)

Method for detecting the degree of soil infection by the potato nematode. N. V. Tytkin. *Zashch. rast. ot vred. i bol.* 4 no. 5:43 S-O '59.

NEMATODE DISEASES OF PLANTS

(see also subdivision under Lithuania)

Chemical method for diagnosing Ditylenchus infection of potatoes. S. G. Miuge. *Zashch. rast. ot vred. i bol.* 4 no. 5:41 S-O '59.

Method for controlling the sugar beet nematode. B. I. Kul'chitskii. *Zashch. rast. ot vred. i bol.* 4 no. 5:27 S-O '59.

Method for disinfecting garlic of nematodes. N. M. Svyashnikova. *Zashch. rast. ot vred. i bol.* 5 no. 7:34-35 Ji '60.

Soil disinfection against the stem nematode. Z. I. Petrova. *Zashch. rast. ot vred. i bol.* 4 no. 5:28 S-O '59.

NEMCOVÁ, BOŽENA, 1820-1862

Božena Nemcová. Milena Nováková. *Zhen. mira* no. 7: 23-26 '62.

NEMERTINEA

Correlation between the rudiments of the proboscis and pharynx in the nemertean *Lineus desori* (mhi, species nova) and *Lineus ruber* (O. F. Müller, 1774, G. A. Schmidt, 1945). G. A. Shmidt. *Dokl. AN SSSR* 147 no. 5:1512-1515 D '62.

NENETS NATIONAL AREA—COLLECTIVE FARMS

A world of new life. *Part. zhizn'* no. 3:70-74 F '63.

NEODYMIUM NITRATE

Stability of cation nitrate complexes of neodymium and ytterbium. Z. A. Sheka, E. E. Kriss. *Rad'okhimiia* 4 no. 6:720-725 '62.

NEPAL—ECONOMIC CONDITIONS

In the Katmandu Valley. I. Red'ko. *Nov. vrem.* 20 no. 7:18-19 F '63.

NEPAL—POLITICS AND GOVERNMENT

In the Katmandu Valley. I. Red'ko. *Nov. vrem.* 20 no. 7:18-19 F '63.

NEPHRITIS see Kidneys—Diseases

NERVES

Electricity of neurons. P. Motanyi. *Nauka i zhyt'ia* 12 no. 11:30-31 N '62.

Newspaper for the curious. *Nauka i zhyt'ia* 12 no. 0: 32-33 S '62.

Problem of the morphological adaptation of nerve structures. V. V. Kupriianov. *Sbor. trud. Inst. khir. AN SSSR* no. 1:156-157 '62.

NERVOUS SYSTEM

All-Union Congress on the Philosophical Problems Concerning the Physiology of the Higher Nervous Activity and Psychology. A. M. Matlushkin, F. A. Sokhin. *Vop. psikhol.* 8 no. 4:172-182 Ji-Ag '62.

Conference on the higher nervous activity. I. Goshkovets, I. Diamant, I. Goshkovets. *Vop. psikhol.* 8 no. 4:185-189 Ji-Ag '62.

Effect of strong stimulation of the central nervous system on the functioning of the sexual apparatus [with summary in English]. O. A. Serdiukova. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:310-314 '61.

Minashev, P. F. [Effect of ionizing irradiation on the central nervous system] *Villanie ioniziruiushchikh izlucheni na tsentral'nuu nervnuu sistemu*, Moskva, Izd-vo Akad. nauk SSSR, 1962. 129 p.

Orbell, L. A. [Selected works in five volumes] *Izbrannye trudy v plati tomakh*, Moskva, Izd-vo Akad. nauk SSSR.

Vol. 2. [Adaptive trophic function of the nervous system] *Adaptatsionno-troficheskaya funktsia nervnoi sistemy*, 1962. 608 p.

Reaction of the adrenal cortex and lymphoid organs to strong stimulation of the central nervous system. O. A. Serdiukova. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:228-230 '61.

Resolution of the All-Union Congress on the Philosophical Problems of the Physiology of the Higher Nervous Activity and Psychology. *Vop. psikhol.* 8 no. 4:3-8 Ji-Ag '62.

Some results of the All-Union Conference on Philosophical Problems in the Physiology of Higher Nervous Activity and Psychology. *Vop. filos.* 17 no. 1:126-128 '63.

NERVOUS SYSTEM—INSECTS

Development of the system of giant nerve fiber in the metamorphosis of Lepidoptera [with summary in English]. V. P. Tyshchenko. *Ent. oboz.* 41 no. 4:706-816 '62.

NETO, AGOSTINO, 1922-

Agostino Neto; a fighter and national poet of Angola. N. N. *Mol. mira* no. 11/12:10 '61.

NEURITIS, MULTIPLE

Polyneuritis with dystrophic disorders in pulmonary tuberculosis. Z. V. Svirskaya. *Zdrav. Bel.* 8 no. 12: 64-65 D '62.

NEUROCHEMISTRY

Comprehensive study of the electrophysiological, histochemical and cytomorphological indicators of the excitation of brain neurons. A. B. Kogan. *Dokl. AN SSSR* 147 no. 4:985-988 D '62.

Humoral relations between the bodies of the mother and the fetus in their clinical and experimental aspects. O. E. Viazov and others. *Vest. AMN SSSR* 17 no. 11: 23-31 '62.

NEUROLOGY

Lurita, A. R. [Higher cortical functions in man and their disturbances in focal lesions of the brain] *Vysshie korykovye funktsii cheloveka i ikh narusheniia pri lokal'nykh porazheniakh mozga*. [Moskva] Izd-vo Mosk. univ., 1962. 431 p. (DNLM)

Prominent advocate of nervousism in Soviet medicine. G. N. Durduti, IU, A. Shilina. *Zdravookhranenie* 5 no. 3:58-62 '62.

NEUROSSES

Influence of experimental neurosis on thyroid function and the effect of therapy of the neurosis using sodium bromide [with summary in English]. V. M. Gordienko. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:37-41 '61.

NEUTRINOS

The neutrino and its role in astrophysics. B. Pontecorvo. *Usp. fiz. nauk* 79 no. 1:3-21 Ja '63.

NEUTRONS

Comparison of the possibilities of determining the mole- fraction content of building materials using neutron radiation and neutron backscattering methods. IA, Chudara, N. Skvortsova, R. Makel'mov. *Izv. AN Latv. SSR* no. 10: 91-98 '62.

Cross sections of the fission of Ti^{232} , U^{233} , Np^{237} , and U^{238} by neutrons in the energy range 5-37 Mev. V. M. Pankratov. *Atom. energ.* 14 no. 2:177-184 F '63.

Neutron diffusion in a moving medium. A. A. Kostitska. *Atom. energ.* 14 no. 2:218 F '63.

Number of neutrons emitted by U^{234} and Pu^{240} in symmetric fission [with summary in English]. V. P. Apal'n and others. *Zhur. eksp. i teor. fiz.* 43 no. 6: 2053-2055 D '62.

Polarization in inelastic nucleon scattering [with summary in English]. IU, P. Elagin. *Zhur. eksp. i teor. fiz.* 43 no. 6:2166-2168 D '62.

Probability of triple fission of Pu^{239} induced by 0.05-0.7 ev. neutrons [with summary in English]. A. A. Panov. *Zhur. eksp. i teor. fiz.* 43 no. 6:1098-1099 D '62.

Total cross sections of the interaction between fast neutrons and tin isotopes [with summary in English]. IU, V. Dukarevich, A. N. Dumin, D. M. Kaminker. *Zhur. eksp. i teor. fiz.* 43 no. 6:1091-1094 D '62.

Use of pulse technique in studying neutron diffusion in sintered beryllium oxide. I. F. Zhezherun. *Atom. energ.* 14 no. 2:193-198 F '63.

NEUTRONS—CAPTURE

Analysis of averaged neutron capture cross sections [with summary in English]. IU, P. Popov, IU, I. Fenin. *Zhur. eksp. i teor. fiz.* 43 no. 6:2000-2007 D '62.

Effect of the parity of the number of nucleons on the magnitude of the cross section of radiation capture. T. S. Belanova, O. D. Kazachkovskii. *Atom. energ.* 14 no. 2:185-192 F '63.

Spatial distribution of neutron resonance absorption in a block. V. A. Kremnov, A. A. Luk'ianov. *Atom. energ.* 14 no. 2:216-217 F '63.

Spectra of internal conversion electrons emitted in the capture of thermal neutrons by Er^{167} and Er^{168} . V. A. Ivanov, V. I. Pelokhov. *Izv. AN SSSR. Ser. fiz.* 16 no. 12:1480-1485 D '62.

NEUTRONS—SCATTERING

Inelastic neutron scattering on a Ti-Zr alloy. N. A. Chernopolkov and others. *Fiz. tver. tela* 5 no. 1:112-117 Ja '63.

"Observed" probabilities of elastic neutron scattering and the Mössbauer effect in degenerated systems, and some new possibilities for producing such systems [with summary in English]. M. V. Kazarnovskii, A. V. Stepanov. *Zhur. eksp. i teor. fiz.* 43 no. 6:2209-2301 D '62.

On the theory of slow neutron scattering in solid solutions of a spinel type structure as dependent on the composition and the degree of inversion. IU, A. Izlu-mov, A. N. Men'. *Kristallografiia* 7 no. 3:359-361 My-Je '62.

Second International Symposium on Inelastic Neutron Scattering by Solids and Liquids. N. Chernopolkov. *Atom. energ.* 14 no. 2:221-222 F '63.

NEUTRONS — SCATTERING (Continued)

Study of the phonon spectrum of vanadium [with summary in English]. N.A. Chernoplekov, M.G. Zemlanov, A.G. Chicherin. Zhur. eksp. i teor. fiz. 43 no. 6:2080-2085 D '62.

NEUTRONS—SPECTRA

Study of the phonon spectrum of vanadium [with summary in English]. N.A. Chernoplekov, M.G. Zemlanov, A.G. Chicherin. Zhur. eksp. i teor. fiz. 43 no. 6:2080-2085 D '62.

Studying the continuous spectra of fast neutrons and γ -quanta by the method of effective counting. G.G. Doroshenko, A.V. Larichev. Izv. AN SSSR. Ser. fiz. 27 no. 1:141-146 Ja '63.

NEW STATES see States, New

NEW YEAR

Let's meet the New Year! Sem'ia i shkola 17 no. 12: 34 D '62.

NEW YORK (CITY)—AMERICAN NEWSPAPERS

When newspaper presses stopped... L. Velichanskii. Sov. pech. no. 1:61-62 Ja '63.

NEW YORK (CITY)—CONSTRUCTION INDUSTRY

Principal construction problems of the city of New York. V.N. Belasov. Gor. khoz. Mosk. 36 no. 1:46-48 Ja '62.

NEW YORK (CITY)—HOUSING

Living conditions of the workers. B.P. Skorokhodov. Gor. khoz. Mosk. 36 no. 1:48-50 Ja '62.

NEW YORK (CITY)—NEWSPAPERS—STRIKES AND LOCKOUTS

Why newspapers are not published in New York. Nov. vrem. 20 no. 4:26 Ja '63.

NEW YORK (CITY)—STRIKES AND LOCKOUTS

When newspaper presses stopped... L. Velichanskii. Sov. pech. no. 1:61-62 Ja '63.

NEW YORK (CITY)—WATER SUPPLY

New York's water supply. L.V. Kozhinov. Gor. khoz. Mosk. 36 no. 1:50-51 Ja '62.

NEW ZEALAND

New Zealand. E. Vartumian. Otv. na vop. trud. no. 9: 52-57 S '62.

NEW ZEALAND—STUDENTS

Further on are only the Antarctic regions. A. Lebedev. Vsem. stud. nov. 16 no. 4:15-18 Ap '62.

NEWS AGENCIES see subdivision under Africa; France

NEWS BROADCASTS see Radio journalism

NEWS PHOTOGRAPHERS

(see also subdivision under Astrakhan)

For general disarmament and peace. E. Hartwig, E. Friedman. Sov. foto 22 no. 11:16-20 N '62.

Routine assignment. E. Kravchuk. Sov. foto 22 no. 12: 7-9 D '62.

NEWSPAPER AND PERIODICAL CIRCULATION

(see also subdivision under Uzbekistan)

Newspapers and periodicals for everybody. Komsom. zhizn' no. 18:10-20 S '62.

Overzealous administrators. N. Zubritskii. Part. zhizn' no. 1:62 Ja '63.

NEWSPAPERS—STRIKES AND LOCKOUTS see subdivision under New York (City)

NEWSPRINT

Smirnov, V.S. [From fir tree to newspaper] Ot elki do gazety. Moskva, Uchpedgiz, 1962, 57 p. (Politsekhnikheskaya biblioteka shkoly i nika)

NGO-DINH-DIEM, 1961-

Sukhedrov, I.M. [South Vietnam today; Ngo Dinh Diem's regime and the national liberation movement, 1954-1962] Iuzhnyi V'etnam segodnya; rezhim Ngo-Din'-Z'ema i natsional'no-osvoboditel'noe dvizhenie, 1954-1962. Moskva, Izd-vo vostochnoi lit-ry, 1962, 253 p.

NICHOLAS II, 1868-1918

Russkii Oshche-volski Soluz. N'lu-torskoe otdelenie. [Day of Russian Sorrow; in memory of the martyred Emperor Nikolai Aleksandrovich, his most august family, and faithful servants] Den' russkoi skorbi; pamiati Tsaria-muchenika Gosudaria Imperatora Nikolai Aleksandrovicha, Ego Avgustelshel sem'i i vernykh slug... New York, 1960, 13 p.

NICHROME

Electron microscope study of nickel and nichrome polygonization. M.P. Usikov, L.M. Utevalii. Fiz. tver. tela 5 no. 1:100-107 Ja '63.

NICKEL

Chemical nickel coating of welded aluminum parts. S.A. Vishenkov and others. Metalloved. i term. obr. met. no. 12:33-38 D '62.

Effect of nickel on the cold brittleness of steel. E.I.A. Goldshtein, G.A. Charushnikova. Metalloved. i term. obr. met. no. 12:12-15 D '62.

Electron microscope study of nickel and nichrome polygonization. M.P. Usikov, L.M. Utevalii. Fiz. tver. tela 5 no. 1:100-107 Ja '63.

Recombination properties of nickel in germanium. P.G. Eliseev, S.G. Kalashnikov. Fiz. tver. tela 5 no. 1:320-326 Ja '63.

Use of chemical nickel coating of pearlitic steel parts in the manufacture of power engineering turbines. A.V. Riabchenkov, A.V. Velimitsyna, L.D. Zamoshnikov. Metalloved. i term. obr. met. no. 12:30-33 D '62.

NICKEL—TESTING

Susceptibility to defects developing in nickel during static tension. I.A. Odintsov, I.P. Liborov. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:125-130 N-D '62.

NICKEL ALLOYS—ELECTRIC PROPERTIES

Viscosity and the electrical conductivity of liquid nickel-carbon alloys. A.A. Vertman, A.M. Samarin, E.S. Filippov. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:37-42 N-D '62.

NICKEL CATALYSTS—ANALYSIS

Volumetric determining of nickel in the preparation of catalysts. I.U. L. Godiaev. Masl. i zhir. prom. 28 no. 12:13-14 D '62.

NICKEL—CHROMIUM—IRON ALLOYS see Iron-nickel-chromium alloys

NICKEL INDUSTRY see subdivision under Czechoslovakia

NICKEL—IRON ALLOYS see subdivision under United States

NICKEL—IRON ALLOYS—CORROSION

Effect of plastic deformation on the kinetics of low-temperature transformations in NiFeCr and NiFeMo alloys. A.D. Korotayev. Izv. vys. ucheb. zav. i fiz. no. 6:130-142 '62.

Formation and structure of corrosion surface layers in Fe-Pb and Fe-Ni alloys [with summary in English]. M.M. Iratianskiy, I.D. Vdovenko, N.L. Baturynskaya. Ukr. fiz. zhur. 7 no. 10:1118-1124 O '62.

NICKEL—MANGANESE ALLOYS

Electron-positron annihilation in ordered alloys. I.I.A. Dekhtyar, S.G. Litovchenko, V.S. Mikhalevskiy. Dokl. AN SSSR 147 no. 6:1332-1335 D '62.

NICKEL MINES AND MINING

Improvement of boring and blasting operations in Ufalet open-pit mines. A.M. Bereshechkin, A.V. Ermilov. Gor. zhur. no. 5:35 My '62.

NICKEL PLATING

Effect of alternating current on electrodeposition of nickel. Report No. 1: Electrodeposition of nickel from sulfate electrolytes with additions of some organic and inorganic compounds superimposing alternating current on direct current [with summary in English]. G. Ozol-Kalnins, B. Purins. Izv. AN Latv. SSR no. 4:73-76 '61.

Repeated use of the working solution during chemical nickel plating. B.Sh. Shteinberg, N.A. Bogdanovskii. Vest. mashinostr. 42 no. 12:65-66 D '62.

NICKEL—TELLURIUM ALLOYS

Phase structure of the system Ni - Te in thin films. G.G. Dvorinskii, Z.G. Pinsker. Kristallografiya 7 no. 3:458-461 My-Je '62.

NIGERIA—ECONOMIC CONDITIONS

Makarov, V.V. [Nigeria; a sketch of the economy] Nigeria; ekonomicheskii ocherk. Moskva, Sotssekgiz, 1962, 142 p.

NIGERIA—POLITICS AND GOVERNMENT

Nigeria: choosing her way. L. Pribytkovskii, L. Fridman. Mezhdunar. zhizn' 10 no. 2:85-102 F '63.

NIGHT FIGHTING (MILITARY SCIENCE)

In night combat. A. Surchenko. Voen. znan. 39 no. 1: 12-13 Ja '63.

NIGHT SCHOOLS see Evening and continuation schools

NIGHT SKY—SPECTRA

New OH emission in the spectrum of twilight sky. T.G. Megrelashvili, T.I. Torosheidze. Astron. tsir. no. 225:11-12 S '61.

Twilight luminescence of OH. T.G. Megrelashvili, T.I. Torosheidze. Astron. tsir. no. 225:9-10 S '61.

NIGHTSHADE

(see also subdivision under Kazakhstan)

Changes of characters obtained as a result of intervarietal grafting in Solanum melongena [translated from the French]. Maurice Strun. Agrobiologiya no. 6: 848-853 N-D '62.

Effect of the storage time of pollen of some species of the nightshade family and peas on its germination. L.I. Orel. Trudy po prikl. bot., gen. i sel. 31 no. 2: 148-149 '67.

NIKITA (CRIMEA)—BOTANICAL GARDENS

The 150th anniversary of the Nikita Botanical Garden. M.A. Kochkin. Zemledelle 24 no. 11:26-33 N '62.

NIKITOVKA (DONETSK PROVINCE)—MERCURY MINES AND MINING

Further trends in the mining of the Nikitovka deposit of mercury. N.A. Egorov. Met. i gornorud. prom. no. 5:48-53 S-O '62.

NIKOLAEV, ANDRIAN GRIGOR'EVICH, 1929-

Astronautics teacher. Iurii A. I'perovich. IUn. nat. no. 12:25-28 D '62.

From Shorshely to the stars. Evgenii Dembo. Sem'ia i shkola 17 no. 11:17-20 N '62.

In the home village of a hero. S. Zharkov. Sov. poireb. koop. 6 no. 11:21-25 N '62.

Space week. Grazhd. av. 19 no. 9:2 of cover-6 S '62.

NIKOLAYEV (NIKOLAYEV PROVINCE)—POSTAL SERVICE

The delivery of printed matter in Nikolayev is continuously improving. N.M. Gordeev. Vest. aviatsii 22 no. 12:17-18 D '62.

NIKOLAYEV PROVINCE—EDUCATION, PRESCHOOL

Preschool education is our most important task. K. Myznikova. Doshk. vykh. 23 no. 11:8-10 N '62.

NIKOLAYEV PROVINCE—STATE FARMS—MANAGEMENT

Does the economist have any rights? V. Klipkov. Ekon. sel'khoz. 34 no. 1:112 Ja '63.

NIKOLAYEVSK—GLASS MANUFACTURE—ACCOUNTING

Mechanizing accounting for wages and materials. K. Gaidabas. Bukh. uch. 19 no. 12:44-47 D '62.

NIKOLAYEVSK—PERFUMES

Mechanizing accounting for wages and materials. K. Gaidabas. Bukh. uch. 19 no. 12:44-47 D '62.

NIKOL'SK DISTRICT—LUMBER—TRANSPORTATION

Ice roads as important possibilities. A.M. Ryzhkov. Les. prom. 40 no. 12:27 D '62.

NIKOPOL' (MOTORSHIP)—TECHNOLOGICAL INNOVATIONS

Reitburd, A.S. [Innovators on the motorship "Nikopol'"] Novatory teplokhoda "Nikopol'". Moskva, Izd-vo "Tekhnol. transport", 1962, 32 p.

NILIN, PAVEL FILIPPOVICH, 1909-

"Through the graveyard" by P. Nilin. Reviewed by A. Turkov. V mire knig 2 no. 12:23-24 D '62.

NIOBIUM CARBIDE

Standard heats of formation of the higher carbides of niobium and tantalum. A.N. Kornilov, V.I. Leonidov, S.M. Skuratov. Vest. Mosk. un. Ser. 2: Khim. 16 [i.e. 17] no. 6:48-50 N-D '62.

NIOBIUM CARBIDE—ANALYSIS

Vanadium and niobium carbides in steel. A.M. Belikov, A.A. Savinskaya. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:87-72 N-D '62.

NIOBIUM OXIDE

Mass spectrometric study of NbO evaporation. S.A. Shchukarev, G.A. Semenov, K.E. Frantsyeva. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 5 no. 5:691-693 '62.

NIOBIUM OXIDE—ELECTRIC PROPERTIES

Thermoelectromotive forces and conductance of vanadium and niobium pentoxides [with summary in English]. A.I. Manakov, O.A. Esin, B.M. Lepinskikh. Zhur. fiz. khim. 38 no. 12:2734-2740 D '62.

NIOBIUM—TIN ALLOYS

Effect of all-round compression on the temperature of a superconducting junction in Nb₃Sn. B.G. Lazarev and others. Zhur. eksp. i teor. fiz. 43 no. 6:2309-2310 D '62.

Jump of the thermal expansion coefficient of Nb₃Sn in a superconducting junction. B.G. Lazarev and others. Zhur. eksp. i teor. fiz. 43 no. 6:2312-2313 D '62.

NIOBIUM—TITANIUM—CHROMIUM ALLOYS see Titanium-niobium-chromium alloys

NIOBIUM—ZIRCONIUM ALLOYS

Superconducting alloys in the system Nb - Zr. Z. A. Guts and others. Fiz. tver. tela 5 no. 1:361-362 Ja '63.

NIOBIUM—ZIRCONIUM—IRON ALLOYS see Iron-niobium-zirconium alloys

NITRATES

Conversion reactions of mixed nitrate salts. G.D. Chachanidze, Z.A. Karumidze, T.S. G. Kharashvili. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:169-180 '62.

Quantitative determination of nitrates in alkaline solutions. R.K. Terekhova, N.N. Shishkina. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 5 no. 5:848-850 '62.

NITRATION

Kinetics and mechanism of nitration of calcium carbide. N. A. Gol'dberg, I. U. D. Znamenskii, Zhur. fiz. khim. 36 no. 12:2748-2751 D '62.

NITRIC ACID

Saponification of nitric esters, derivatives of p-nitrophenylmethylcarbinol. L. M. Agapovskii, I. U. A. Piskov, Zhur. ob. khim. 33 no. 1:308-314 '63.
Some data on the behavior of uranium (IV) in nitric acid solutions. N. P. Ermolaev, N. N. Krot, Radiokhimiia 4 no. 6:678-685 '62.

NITRIDE

Nitride inclusions in low-carbon, high-chromium steel. I. U. T. Lukashovich-Duvanov, V. A. Urzova, Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl. no. 6:73-80 N-D '62.

NITRO COMPOUNDS

Reactions of aromatic nitro compounds. Part 14: Effect of some electron acceptor groups on the reaction of re-esterification. S. S. Gitis, A. I. Giaz, L. M. Agapovskii, Zhur. ob. khim. 33 no. 1:138-141 '63.

NITRO COMPOUNDS—SPECTRA

Structure of salts of 1,1-dinitroalkanes and trinitro-methane studied by spectral methods. V. I. Slovetskii and others, Izv. AN SSSR, Otd. khim. nauk no. 1:57-63 '63.

NITRO GROUP

Direct substitution of a nitro group by halogen in aromatic and heterocyclic nitro compounds. Part 1: Reaction of o-chloronitrobenzene with carbon tetrachloride. A. A. Pomomarenko, Zhur. ob. khim. 32 no. 12:4028-4035 D '62.

Direct substitution of a nitro group by halogen in aromatic and heterocyclic nitro compounds. Part 2: Preparation of m-dichlorobenzene and m-chloronitrobenzene from m-dinitrobenzene. A. A. Pomomarenko, Zhur. ob. khim. 32 no. 12:4035-4038 D '62.

Direct substitution of a nitro group by halogen in aromatic and heterocyclic nitro compounds. Part 3: Substitution of a nitro group by chlorine in m-nitrobenzonitrile by means of carbon tetrachloride. A. A. Pomomarenko, N. A. Tsybina, Zhur. ob. khim. 32 no. 12:4038-4040 D '62.

NITROBENZENE

Direct substitution of a nitro group by halogen in aromatic and heterocyclic nitro compounds. Part 1: Reaction of o-chloronitrobenzene with carbon tetrachloride. A. A. Pomomarenko, Zhur. ob. khim. 32 no. 12:4028-4035 D '62.

Thermodynamic properties of solutions of acetone-nitrobenzene. K. M. Korchemskina, M. I. Shakhparonov, Vest. Mosk. un. Ser. 2: Khim. 16 [i. e. 17] no. 8:76-77 N-D '62.

NITROGEN

Corpuscular theory of the structure of adsorbents. Part 5: Adsorption of nitrogen and carbon tetrachloride vapors on model adsorbents obtained by compression of aerosols. B. G. Arlatov and others, Zhur. fiz. khim. 36 no. 12:2757-2763 D '62.

Effect of simultaneous application of nitrogen and trace elements on the growth and yield of vetch. V. K. Gell'yikh, Sbor. stud. nauch. issl. rab. TSKHA no. 11: 87-92 '62.

Nitrogen substances of the rumen contents of cows in various types of feeding. V. M. Holovach, Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv, URSR 14 no. 4:9-13 '61.

NITROGEN—FIXATION

Effect of temperature on symbiotic nitrogen assimilation by leguminous plants [with summary in English]. M. M. Gukova, Izv. AN SSSR, Ser. biol. no. 8:832-838 N-D '62.

NITROGEN FERTILIZERS

Application of nitrogen fertilizers to rice in California [from "Rice Journal," 1962]. N. Konev, Zemledelie 24 no. 12:83-85 D '62.

Supplementary nitrogen fertilizers for cultivated pastures. V. P. Mel'nichuk, Zemledelie 24 no. 12:54-58 D '62.

NITROGEN-FIXING MICRO-ORGANISMS see Micro-organisms, Nitrogen-fixing

NITROGEN METABOLISM

Nitrogen composition of bleeding sap in pea plants bacterized with strains of nodule bacteria of various effectiveness [with summary in English]. V. K. Shil'nikova, Izv. AN SSSR, Ser. biol. no. 6:840-844 N-D '62.
Some disturbances in nitrogen metabolism in Histerella. A. A. Annagiev, Trudy Azer. nauch. issl. vel. inst. 13:88-91 '62.

NITROGEN OXIDE

Effect of the nature of solvent on the reaction of cellulose with nitrogen dioxide [with summary in English]. V. N. Kaputskii, M. M. Pavliuchenko, I. N. Ermolenko, Vysokom. soed. 5 no. 1:75-78 Ja '63.
Interaction of nitrous oxide with cobalt-manganese spinels containing additions of lithium, titanium, and copper oxides. V. R. Linde, I. A. Margolis, S. Z. Roginskii, Izv. AN SSSR, Otd. khim. nauk no. 1:21-30 '63.

Position of the upper electronic level and the oscillator force of the optical transition $\pi\pi^*$ at $23,000\text{ cm}^{-1}$ in NO_2 . V. N. Sosnikov, Opt. i spekt. 13 no. 6:874-875 '62.

Use of nitrogen oxide as an inhibitor of the gas phase ϕ -polymerization. E. G. Novitskii, G. V. Korolev, Plast. massy no. 11:6-7 '62.

NITROGEN OXIDE—SPECTRA

Infrared spectra of nitric oxide adsorbed on synthetic zeolites. A. V. Alekseev, V. N. Filimonov, A. N. Torshin, Dokl. AN SSSR 147 no. 6:1392-1395 D '62.

Studying the kinetics of the decomposition of nitrogen oxide by absorption spectroscopy. V. N. Ivanov, Izv. AN SSSR, Ser. fiz. 27 no. 1:35-37 Ja '63.

NITROPARAFFINS

Cyanoethylation of nitroparaffins in the presence of the strongly basic anion exchanger AV-17 as a catalyst. V. I. Isagullants, Z. Poredda, Zhur. ob. khim. 33 no. 1:318-319 '63.

NITROSO COMPOUNDS

Synthesis of α -N, N-di(2-chloroethyl) amino- β -isomroso-acetone hydrochloride. I. A. Poplavskaya, M. I. Gorlaev, Zhur. ob. khim. 33 no. 1:285-286 '63.

NIZAMI, GANJAWI, 1141?-1203?

Bertel's, E. E. [Selected works; Nizami and Fuzuli] Izbrannyye trudy; Nizami i Fuzuli. Moskva, Izd-vo vostochnoi lit-ry, 1962. 553 p.

NIZHNIY NOVGOROD—LABOR DISCIPLINE

Workers' education in socialist labor discipline during the first years of Soviet rule; based on materials of certain enterprises in Nizhny Novgorod. V. I. Dobrokhotoy, Uch. zap. GGU no. 54:124-153 '61.

NIZHNIY NOVGOROD—POLITICS AND GOVERNMENT

Development of the local organs of Soviet government in Nizhny Novgorod. K. P. Maslov, Uch. zap. GGU no. 54:86-103 '61.

NIZHNIY NOVGOROD—REVOLUTION, 1917-1921

Development of the local organs of Soviet government in Nizhny Novgorod. K. P. Maslov, Uch. zap. GGU no. 54:86-103 '61.

Workers' education in socialist labor discipline during the first years of Soviet rule; based on materials of certain enterprises in Nizhny Novgorod. V. I. Dobrokhotoy, Uch. zap. GGU no. 54:124-153 '61.

NIZHNIY NOVGOROD GOVERNMENT—LAND TENURE

Distribution of land in the Nizhny Novgorod Government in the spring of 1918. G. V. Chernov, Uch. zap. GGU no. 54:104-123 '61.

NIZHNIY NOVGOROD GOVERNMENT—REVOLUTION, 1917-1921

Activities of the Bolsheviks in villages of the Nizhny Novgorod Government from March to October, 1917. K. P. Maslov, E. N. Volkova, Uch. zap. GGU no. 54:35-65 '61.

Distribution of land in the Nizhny Novgorod Government in the spring of 1918. G. V. Chernov, Uch. zap. GGU no. 54:104-123 '61.

Works councils in the enterprises of the Nizhny Novgorod Government on the eve of the Great October Socialist Revolution. Uch. zap. GGU no. 54:3-34 '61.

NIZHNIY NOVGOROD GOVERNMENT—RUSSIAN SOCIAL DEMOCRATIC PARTY

Activities of the Bolsheviks in villages of the Nizhny Novgorod Government from March to October, 1917. K. P. Maslov, E. N. Volkova, Uch. zap. GGU no. 54:35-65 '61.

NIZHNIY NOVGOROD GOVERNMENT—WORKS COUNCILS

Works councils in the enterprises of the Nizhny Novgorod Government on the eve of the Great October Socialist Revolution. Uch. zap. GGU no. 54:3-34 '61.

NIZHNIY TAGIL

[Nizhny Tagil] Nizhniy Tagil. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1961. 204 p. [MICROFILM]

NIZHNIY TAGIL—TRAFFIC SAFETY

Power of public influence. I. Tropp, Za rul. 20 no. 12:25 D '62.

NONCONTENTIOUS JURISDICTION

Judicial practice in the establishment of legal facts. L. Smirnov, I. U. Korshunov, Sov. iust. no. 1:10-11 Ja '63.

NONFERROUS METAL INDUSTRIES

(see also subdivision under Iron and Steel)
Apply all efforts to the further growth of nonferrous metal production. I. A. Strigin, TSvet. met. 35 no. 9:1-8 '62.

NONFERROUS METAL INDUSTRIES—BY-PRODUCTS

Flow-sheets for the complete retreatment of sludge from plants of nonferrous metallurgy. V. I. Smirnov and others, TSvet. met. 35 no. 9:50-56 S '62.

NONFERROUS METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS see subdivision under Zyrjanovsk

NONFERROUS METALS

Landukhov, A. D. [Production of nonferrous metal pipes, rods, and shapes] Proizvodstvo trub, prutkov i profilov iz svetnykh metallov. Izd. 2., perer. i dop. Moskva, Metallurgizdat, 1962. 390 p.

Nonferrous metals should be economized in the manufacture of diesel locomotives. S. M. Kravets, Elek. i topl. tizh. 6 no. 11:44 N '62.

NONFERROUS METALS—BIBLIOGRAPHY see Bibliography—Nonferrous metals

NONFERROUS METALS—HANDBOOKS, MANUALS, ETC.

[Handbook on nonferrous and rare metals and their compounds used in laboratory practice; main indices of the quality of specimens] Spravochnik po svetnyim i redkim metallam i ikh soedineniyam, primeneniym v laboratornoi praktike; osnovnye pokazateli kachestva preparatov. Sost. B. L. Porochenko, Moskva, Goskhimizdat, 1962. 627 p.

NONFERROUS METALS—METALLURGY

Abdreev, M. A. [Complex metal ore masses and their conversion] Polimetallicheskie shtetiny i ikh konvertirovaniye. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 227 p.

Loakulov, F. M., and A. A. Tseidler. [Calculations on the metallurgy of heavy nonferrous metals] Raschet po metallurgii tiazhelykh svetnykh metallov. 2 izd., peresom. i dop. Moskva, Metallurgizdat, 1963. 501 p.

NONWOVEN FABRICS

(see also subdivision under Czechoslovakia)
Effect of certain factors on the characteristics of nonwoven fabrics manufactured by the knit-and-stitch method. M. D. Perepelkina, R. S. Gubina, Tekst. prom. 22 no. 12:46-52 D '62.

NORIL'SK—CONTAINERS

Transportation of goods in containers in the North. S. Erokhin, Sov. torg. 36 no. 12:45-46 D '62.

NORIL'SK—FOUNDATIONS—COLD WEATHER CONDITIONS

Foundations of apartment houses in Noril'sk. M. Kim, Zhil. stroit. no. 2:11-12 '62.

NORIL'SK—METALLURGICAL PLANTS—FIRES AND FIRE PREVENTION

Public inspection. V. Vasil'ev, Pozh. delo 9 no. 1:5 Ja '63.

NORIL'SK REGION—ANHYDRITE

High-temperature anhydrite in Noril'sk ores. V. V. Zolotukhin, Dokl. AN SSSR 147 no. 4:916-919 D '62.

NORIL'SK REGION—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Selection of methods of mechanization in mining thick seams in mines of the Noril'sk coal deposit. V. S. Beliaev, G. P. Feoktistov, N. D. Balashov, Mekh. i avtom. v gornoi prom. no. 2:42-50 '62.

NORTH AMERICA—DRAGONFLIES

Range of the Palaearctic region in the New World based on the distribution of Odonata [with summary in English]. B. F. Helyshev, Zool. zhur. 41 no. 11:1743-1748 N '62.

NORTH ATLANTIC TREATY ORGANIZATION

Atlantic discord. Vladimir Ostrov, Nov. vrem. 20 no. 6:3-8 F '63.

The crisis deepens. Nov. vrem. 20 no. 6:1-2 F '63. The crisis of "Atlanticism." I. Ermashov, Nov. vrem. 20 no. 4:4-8 Ja '63.

Crisis of confidence. Nov. vrem. 20 no. 6:1-2 F '63. Destroy the plot of the colonizers! P. Evsiukov, Az. i Afr. seg. no. 1:12-14 Ja '63.

"Review season" in the West. A. Gorokhov, Mezhdunar. zhizn' 10 no. 2:7-17 F '63.

NORTH KAZAKHSTAN PROVINCE—AGRICULTURE—ECONOMIC ASPECTS

Distribution and specialization of agriculture in North Kazakhstan Province. A. N. Martymov, Vest. sel'-khoz. nauki [Kazakh.] 5 no. 12:10-17 D '62.

NORTH KOREA see Korea, North

NORTHEAST PASSAGE

Assault of arctic latitudes. NTO 4 no. 11:2-7 N '62.

NORTHERN CAUCASUS see Caucasus, Northern

NORTHERN DVINA RIVER—LUMBER—TRANSPORTATION

Tractors in winter raft making. Konisev, Les. prom. 40 no. 11:3 of cover N '62.

NORWAY—PHARMACY

Pharmacy in Norway. M. A. Kiluev, A. M. Stetsiuk, *Apt. delo* 12 no. 3:76-80 My-Je '62.

NOSE—DISEASES

Participation of the nervous system in the pathogenesis of infectious atrophic rhinitis in swine. H. P. Ilushchenko, *Visnyk sil'hosp.nauky* 5 no. 12:77-79 D '62.

NOTARIES

Brief information. *Sov.deput.trud.* no. 9:96-97 S '62.
Brief interpretation. *Sov.deput.trud.* no. 6:101 Je '62.
From the practice of notarial agencies. *Sov.iust.* no. 1:31 Ja '63.
Registration of contracts for the alienation of residential buildings and of parts of them. A. Zenluk, A. Klimanova, *Sov.iust.* no. 24:15-17 D '62.

NOVAYA LADOGA—SOCIAL PROBLEMS

Before the trial and after it. V. Novikov, *Sov.deput.trud.* no. 9:52-56 S '62.

NOVGOROD (DUCHY)—HISTORY

The earliest note in Russian source materials on the expedition of Novgorod seamen "across the sea." V. B. Vilinbakhov, *Vop.ist.* 38 no. 1:196-199 Ja '63.

NOVGOROD PROVINCE—BANKS AND BANKING

We are checking title documents carefully. N. Makarov, *Fin.SSSR* 23 no. 12:50-51 D '62.

NOVGOROD PROVINCE—CONSTRUCTION INDUSTRY—FINANCE

We are checking title documents carefully. N. Makarov, *Fin.SSSR* 23 no. 12:50-51 D '62.

NOVICHEV, ARON DAVIDOVICH, 1902-
A. D. Novichev Jubilee. *Vest.LGU* 17 no. 20:170-171 '62.

NOVIK, HANNA

"My springs; verse" by Hanna Novik. Reviewed by Pipip Pestrak. *Rab.i.sial.* 38 no. 5:19 My '62.

NOVIKOV, NIKOLAI IVANOVICH, 1744-1818
At the beginning of a new age. V. Utkov, *Sov.knizh.torg.* 14 no. 1:33-34 Ja '63.

NOVO-ANNINSKIY DISTRICT—EDUCATION

Demidov, N. N. [Reorganization of public education in a district; work practices of the Novoanninskiy District, Stalingrad Province] *Perestroika narodnogo obrazovaniya v raione; iz opyta raboty Novoanninskogo raiona, Stalingradskoi oblasti.* Moskva, Uchpedgiz, 1961, 63 p. (MH)

NOVOCAINE

Combined thiopental-novocaine anesthesia. V. P. Shekhov, *Zdrav.Kazakh.* 22 no. 7:11-13 '62.
Treatment of obliterating endarteritis and atherosclerosis by the intravenous administration of novocaine. A. I. Karpik, *Zdrav.Bel.* 8 no. 12:49 D '62.

NOVOCHERKASSK—EXCAVATIONS (ARCHAEOLOGY)

Sadovyy Kurgan, another outstanding monument of Sarmatian culture [with summary in English]. L. S. Klein, *Vest.LGU* 17 no. 20:164-167 '62.

NOVOCHERKASSK—SARMATIANS

Sadovyy Kurgan, another outstanding monument of Sarmatian culture [with summary in English]. L. S. Klein, *Vest.LGU* 17 no. 20:164-167 '62.

NOVOSIBIRSK

Gorod Novosibirsk i Novosibirskaya oblast'. [The city of Novosibirsk and Novosibirsk Province] Novosibirsk, Novosibirskoe oblastnoe upravlenie "Poligrafizdat," 1948, 166 p.

NOVOSIBIRSK—JUVENILE DELINQUENCY

Three cases. V. Stakus, *Mol.komm.* no. 12:93-96 D '62.

NOVOSIBIRSK—LIBRARIES AND READERS

Beacons of Siberia. T. S. Kudriavtseva, *Sov.bibl.* no. 6:33-36 '62.

NOVOSIBIRSK—RAILROAD RESEARCH

Thirtieth anniversary of the Novosibirsk Institute of Railroad Transportation. P. V. Miroshin, *Put'i pul.khoz.* 6 no. 11:34 '62.

NOVOSIBIRSK PROVINCE

Gorod Novosibirsk i Novosibirskaya oblast'. [The city of Novosibirsk and Novosibirsk Province] Novosibirsk, Novosibirskoe oblastnoe upravlenie "Poligrafizdat," 1948, 166 p.

NOVOSIBIRSK PROVINCE—COOPERATIVE SOCIETIES

Take the initiative and don't tolerate shortcomings. M. Bereza and others. *Sov.potreb.koop.* 6 no. 12:21-23 D '62.

NOVOSIBIRSK PROVINCE—DISABILITY EVALUATION

"Follow-up on the instructions of two ministers." *Sots.obesp.* 24 no. 1:28 Ja '63.

NOVOSIBIRSK PROVINCE—EROSION

Deflation of soils in Novosibirsk Province [with summary in English]. I. K. Supringa, *Pochvovedenie* no. 11:89-92 N '62.

NOVOSIBIRSK PROVINCE—RECRUITING AND ENLISTMENT

If you march away tomorrow... O. Morozov, *Komsom.zhizn'* no. 22:19-20 N '62.

NOVOSIBIRSK PROVINCE—WINDBREAKS, SHELTER-BELTS, ETC.

Experimental divisions of protective tree planting. *Put'i pul.khoz.* 6 no. 11:43 '62.

NOVOSIBIRSK UNIVERSITY

Akademgorodok in Siberia (to be continued). Anna Litvanova, *Znaniya* 32 no. 11:160-178 N '62.

NOVOUKRAINKA DISTRICT—CORN (MAIZE)—HARVESTING

Practice in precision planting and corn harvesting by stages. V. Mel'nichenko, *Ekon.sel'khoz.* 34 no. 1:63-68 Ja '63.

NOVOUZENSK DISTRICT—COLLECTIVE FARMS

Prospects for agricultural development in Novouzensk District, Saratov Province. A. I. Stepanov, *Dokl.TSKHA* no. 50:97-105 '59.

NOVOVOLYNSK—COMMUNIST PARTY OF THE SOVIET UNION

"Secretary of this party committee violates the rights of the Communists." *Part.zhizn'* no. 1:78 Ja '63.

NUCLEAR COUNTERS

Semiconductor counters of nuclear particles. S. M. Rykin, *Vest.AN SSSR* 33 no. 1:56-58 Ja '63.

NUCLEAR COUNTERS—DESIGN AND CONSTRUCTION

Energy resolution of silicon p-n detectors in the recording of heavy ions. D. G. Alkhazov and others. *Izv.AN SSSR.Ser.fiz.* 16 no. 12:1506-1507 D '62.
Possibilities for using silicon counters in nuclear research. L. V. Maslova and others. *Izv.AN SSSR.Ser.fiz.* 16 no. 12:1498-1505 D '62.

NUCLEAR ENGINEERING

Brief news. *Atom.energ.* 14 no. 2:234-235 F '63.

NUCLEAR ENGINEERING—BIBLIOGRAPHY see Bibliography—Nuclear engineering

NUCLEAR FISSION

Cross sections of the fission of ^{232}Th , ^{233}U , ^{235}U and ^{238}U by neutrons in the energy range 5-37 Mev. V. M. Pankratov, *Atom.energ.* 14 no. 2:177-184 F '63.

Dispersion of the kinetic energy of fission fragments from heavy nuclei [with summary in English]. B. M. Shiriaev, *Zhur.eksp.i teor.fiz.* 43 no. 6:2150-2152 D '62.

Possibility for studying fission at a definite excitation energy of the compound nucleus. V. M. Pankratov, V. M. Strutinskiy, *Atom.energ.* 14 no. 2:171-176 F '63.

Probability of triple fission of Pu^{239} induced by 0.05-0.7 ev. neutrons [with summary in English]. A. A. Panov, *Zhur.eksp.i teor.fiz.* 43 no. 6:1998-1999 D '62.

Spontaneous fission and the synthesis of far transuranium elements. G. N. Flerov, E. D. Donets, V. A. Drulin, *Atom.energ.* 14 no. 1:16-26 Ja '63.

NUCLEAR FUSION

On the age of nuclei and the duration of nuclear fusion. V. A. Davidenko, *Atom.energ.* 14 no. 1:100-104 Ja '63.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

Effect of diffusion on the relation between the intensity of proton resonance lines and the concentration of paramagnetic ions. A. A. Popel', E. D. Grazhdanikov, *Izv.AN SSSR.Ser.fiz.* 27 no. 1:86-89 Ja '63.

Effect of molecular interactions on proton chemical shifts in certain organic systems. B. A. Arbuzov, I. U. Samitov, A. I. Kononov, *Izv.AN SSSR.Ser.fiz.* 27 no. 1:82-86 Ja '63.

Method of the reversible change of the field of permanent magnet of a nuclear magnetic resonance spectrometer. O. T. Maluchkov, V. S. Pavlovskaya, G. A. Ostrovskii, *Zav.lab.* 28 no. 12:1457-1458 '62.

Nuclear magnetic relaxation in irradiated rubbers [with summary in English]. V. L. Karpov, N. M. Pomerantsev, N. M. Sergeev, *Vysokom.soed.* 5 no. 1:100-107 Ja '63.

Nuclear spin-lattice relaxation in ferromagnetics and antiferromagnetics. L. L. Bulshvili, *Fiz.tver.tela* 5 no. 1:228-232 Ja '63.

Proton magnetic resonance spectra of substituted dioxolanes. B. A. Arbuzov, I. U. Samitov, L. K. Iuldasheva, *Izv.AN SSSR.Ser.fiz.* 27 no. 1:88-92 Ja '63.

Spin diffusion, magnetic relaxation, and dynamic polarization of nuclei [with summary in English]. G. R. Khutsishvili, *Zhur.eksp.i teor.fiz.* 43 no. 6:2179-2184 D '62.

Theory of the nuclear magnetic relaxation in liquid phase polymers [with summary in English]. T. N. Khazanovich, *Vysokom.soed.* 5 no. 1:112-118 Ja '63.

NUCLEAR MODELS

Polarization in inelastic nucleon scattering [with summary in English]. I. U. P. Elagin, *Zhur.eksp.i teor.fiz.* 43 no. 6:2166-2169 D '62.

Solving Bethe-Salpeter equations for the Fermi-Yang model [with summary in English]. A. I. Larkin, *Zhur.eksp.i teor.fiz.* 43 no. 6:2302-2307 D '62.

Simulation of extended sources of gamma-radiation. V. I. Popov, *Atom.energ.* 14 no. 2:218-220 F '63.

NUCLEAR PHOTOGRAPHY see Photography, Particle track

NUCLEAR PHYSICS—BIBLIOGRAPHY see Bibliography—Nuclear physics

NUCLEAR REACTIONS

Complex characteristics of direct nuclear reaction amplitudes [with summary in English]. L. D. Blokhintsev, E. I. Dolinskii, V. S. Popov, *Zhur.eksp.i teor.fiz.* 43 no. 6:2280-2288 D '62.

Extent of quadrupole interaction between Sn^{110m} nuclei and the crystal lattice [with summary in English]. G. M. Gorodinskiy, L. M. Krizhanskii, E. M. Kruglov, *Zhur.eksp.i teor.fiz.* 43 no. 6:2050-2052 D '62.

Interactions in the initial and final states in direct nuclear reactions [with summary in English]. V. A. Kaminskiy, I. U. V. Orlov, *Zhur.eksp.i teor.fiz.* 43 no. 6:2146-2149 D '62.

Measurement of the $p\gamma$ -angular correlation in the reaction $\text{Be}^9(d, \gamma)\text{Be}^{10}$. G. A. Kosinov, O. F. Nemets, *Izv.AN SSSR.Ser.fiz.* 16 no. 12:1518-1520 D '62.

Nucleon-nucleon scattering amplitudes and the complexity of the spin-orbital interaction between nucleons and nuclei [with summary in English]. L. S. Azhgirei and others, *Zhur.eksp.i teor.fiz.* 43 no. 6:2104-2108 D '62.

On the stripping reaction theory [with summary in English]. T. Szian' Iu-tai [Chien Yu-tai], O. M. Korol'ov, *Ukr.fiz.zhur.* 7 no. 5:470-475 My '62.

The $\pi^- + p \rightarrow \pi^- + \pi^- + n$ reaction at an energy of 240 Mev, and $\pi\pi$ -interaction [with summary in English]. I. U. A. Baturov and others, *Zhur.eksp.i teor.fiz.* 43 no. 6:2016-2017 D '62.

Spirality inversion in nuclear reactions [with summary in English]. G. R. Khutsishvili, *Zhur.eksp.i teor.fiz.* 43 no. 6:2173-2178 D '62.

Stripping reactions of nucleon associations [with summary in English]. V. E. Bunakov, *Zhur.eksp.i teor.fiz.* 43 no. 6:2224-2229 D '62.

Studying nuclear reactions by means of the cyclotron of the Physical Institute of the Academy of Sciences of the Ukrainian S.S.R. O. F. Nemets, M. V. Pashchuk, N. N. Pucherov, *Atom.energ.* 14 no. 2:159-170 F '63.

Total cross sections of the interaction between fast neutrons and tin isotopes [with summary in English]. I. U. V. Dukarevich, A. N. Diumin, D. M. Kaminker, *Zhur.eksp.i teor.fiz.* 43 no. 6:1991-1994 D '62.

Verification of PC and PCT invariances in decay processes. M. I. Shirokov, *Usp.fiz.nauk* 78 no. 3:471-497 N '62.

NUCLEAR REACTORS

I. V. Kurchatov and nuclear reactors. V. V. Goncharov, *Atom.energ.* 14 no. 1:10-17 Ja '63.

Kinetics of a reactor with linearly increasing reactivity [with summary in English]. I. G. Morozov, E. I. Iulatin, G. I. Sidorov, *Inzh.-fiz.zhur.* 6 no. 1:73-78 Ja '63.

Neutron diffusion in a moving medium. A. A. Kostitsyn, *Atom.energ.* 14 no. 2:218 F '63.

Some aspects of the use of a two-dimensional two-group diffusion program. I. A. V. Shevchuk, V. K. Saul'tev, *Atom.energ.* 14 no. 2:200-205 F '63.

Spatial distribution of neutron resonance absorption in a block. V. A. Kremnev, A. A. Lukhanov, *Atom.energ.* 14 no. 2:216-217 F '63.

NUCLEAR RESEARCH see subdivision under Great Britain; Warsaw

NUCLEAR RESEARCH—INTERNATIONAL COOPERATION

Nuclear research center of ISPR. I. U. Mitisev, *Atom.energ.* 14 no. 2:220-228 F '63.

NUCLEAR SPIN

Allowing for spin-orbital interaction in computing energy bands in crystals. V. S. Mospanov, *Izv.vys.ucheb.zav.; fiz.* no. 6:163-166 '62.

Effect of crystallographic anisotropy on the parametric excitation of spin waves in ferrite single crystals. G. A. Petrakovskii, *Izv.vys.ucheb.zav.; fiz.* no. 6:28-37 '62.

Effect of spin on the position of Regge poles. I. A. I. Azimov, *Zhur.eksp.i teor.fiz.* 43 no. 6:2321-2324 D '62.

Effect of volume and surface imperfections on the relaxation of spin waves in ferrites. G. A. Petrakovskii, *Izv.vys.ucheb.zav.; fiz.* no. 6:126-131 '62.

NUCLEAR SPIN (Continued)

Extending the spin wave method to finite temperatures. S. V. Tjablikov, E. M. Iakovlev. *Fiz. tver. tela* 5 no. 1:137-141 Ja '63.

On the nature of ferromagnetism induced by impurities [with summary in English]. A. A. Abrikosov, L. P. Gor'kov. *Zhur. eksp. i teor. fiz.* 43 no. 6:2230-2233 D '62.

Spin diffusion, magnetic relaxation, and dynamic polarization of nuclei [with summary in English]. G. R. Khutsishvili. *Zhur. eksp. i teor. fiz.* 43 no. 6:2179-2184 D '62.

Spin translation in Lobachevskii space [with summary in English]. I. A. A. Smorodinskii. *Zhur. eksp. i teor. fiz.* 43 no. 6:2217-2223 D '62.

Spirality inversion in nuclear reactions [with summary in English]. G. R. Khutsishvili. *Zhur. eksp. i teor. fiz.* 43 no. 6:2173-2178 D '62.

NUCLEI, ATOMIC

Calculation of the $2p \rightarrow 1s$ transition energy in μ -mesic atoms [with summary in English]. G. E. Pustovalov. *Zhur. eksp. i teor. fiz.* 43 no. 6:2170-2172 D '62.

On the age of nuclei and the duration of nuclear fusion. V. A. Davidenko. *Atom. energ.* 14 no. 1:100-104 Ja '63.

On the form of dipole resonance in deformed nuclei [with summary in English]. S. F. Semenko. *Zhur. eksp. i teor. fiz.* 43 no. 6:2188-2193 D '62.

Probabilities of radiative transitions in odd and odd-odd deformed nuclei. M. E. Volkenskii. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:118-124 Ja '63.

Some new data on the mechanism of the formation of light nuclei. A. K. Lavrukhina, L. P. Moskalova, R. I. Kuznetsova. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:137-140 Ja '63.

Study of isomeric transitions with a half-life of 10^{-4} to 10^{-1} sec. in even-even nuclei. V. V. Remaev, I. U. S. Korde, A. P. Klucharev. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:125-131 Ja '63.

NUCLEIC ACIDS

Code of heredity is deciphered. S. Hershenzon. *Nauka i zhytla* 12 no. 9:20-21 S '62.

Controlling the heredity. V. Shakhazov. *Nauka i zhytla* 12 no. 9:22, 41 S '62.

Cytospectrophotometry of DNA in direct division of the nucleus, as exemplified by a study of fibroblasts of the subcutaneous connective tissue both in the normal state and in the focus of inflammation. V. I. A. Brodekil, N. G. Khushchev. *Dokl. AN SSSR* 147 no. 4:939-942 D '62.

Gegelashvili, K. V. [Histochemistry of nucleic acids and nucleoproteins and some problems of functional morphology. Gistokhimia nukleinovyykh kislot i nukleoproteidov i nekotoryye voprosy funktsional'noi morfologii. Tbilisi] 1962. 189 p. [In Georgian with summary in Russian]

Nucleic acids and the evolution in a group of algae [with summary in English]. G. P. Serenkov. *Izv. AN SSSR. Ser. biol.* no. 6:857-868 N-D '62.

Nucleotide code and the control of protein synthesis in a cell. I. B. Zbarskii. *Usp. sov. biol.* 54 no. 3:285-284 N-D '62.

Pyrimidine distribution in deoxyribonucleic acids. B. F. Yanushin, L. V. Mesharina, A. N. Belozerskii. *Dokl. AN SSSR* 147 no. 4:958-961 D '62.

Ribonucleic acid as the transforming factor in bacteria. Sheng Sang-ch'ung and others. *Agrobiologiya* no. 6: 815 N-D '62.

Ribonucleotides of the cell nucleus. G. P. Georgiev. *Usp. sov. biol.* 54 no. 3:295-308 N-D '62.

Some characteristics of the nucleotide composition of deoxyribonucleic acids in animals and higher plants. A. S. Antonov, O. O. Favorova, A. N. Belozerskii. *Dokl. AN SSSR* 147 no. 6:1480-1483 D '62.

Transformation of micro-organisms. *Agrobiologiya* no. 6:803 N-D '62.

NUCLEONS

Effect of the parity of the number of nucleons on the magnitude of the cross section of radiation capture. T. S. Bolanova, O. D. Kazachkovskii. *Atom. energ.* 14 no. 2:189-192 F '63.

Energy losses of strongly interacting particles passing through hydrogen [with summary in English]. I. U. L. Vartanian. *Zhur. eksp. i teor. fiz.* 43 no. 6:2143-2145 D '62.

On the problem of two nucleons with non-local potentials. B. B. Dotsenko, V. M. Salasjuk. *Ukr. fiz. zhur.* 7 no. 5: 563-565 My '62.

Production of slow π -mesons in pion-nucleon and nucleon-nucleon collisions [with summary in English]. S. M. Blen'kit, R. M. Ryndin. *Zhur. eksp. i teor. fiz.* 43 no. 6:2204-2207 D '62.

Stripping reactions of nucleon associations [with summary in English]. V. E. Bunakov. *Zhur. eksp. i teor. fiz.* 43 no. 6:2224-2229 D '62.

NUCLEONS—SCATTERING

Nucleon-nucleon scattering amplitudes and the complexity of the spin-orbital interaction between nucleons and nuclei [with summary in English]. L. S. Azhgirei and others. *Zhur. eksp. i teor. fiz.* 43 no. 6:2104-2108 D '62.

Nucleon-nucleon scattering in the two-meson approximation, taking $\pi\pi$ -interaction into account [with summary in English]. A. D. Galanin and others. *Zhur. eksp. i teor. fiz.* 43 no. 6:2245-2254 D '62.

Polarization in inelastic nucleon scattering [with summary in English]. I. U. P. Elagin. *Zhur. eksp. i teor. fiz.* 43 no. 6:2166-2169 D '62.

NUCLEOPROTEINS

Gegelashvili, K. V. [Histochemistry of nucleic acids and nucleoproteins and some problems of functional morphology. Gistokhimia nukleinovyykh kislot i nukleoproteidov i nekotoryye voprosy funktsional'noi morfologii. Tbilisi] 1962. 189 p. [In Georgian with summary in Russian]

NUDIBRANCHIATA see subdivision under White Sea

NUMBERS, THEORY OF

Finite sets and natural numbers. A. M. Merkulov. *Uch. zap. Volg. gos. ped. inst.* no. 11:171-179 '59.

On summation formulas [with summary in English]. V. V. Pototskii. *Vest. LGU* 18 no. 1:70-78 '63.

NUMERICAL CALCULATIONS

A method simplifying the mechanization of the numerical solution of certain problems. A. R. Khvoles, I. G. Sukhanishvili. *Trudy Vych. tsentra AN Gruz. SSR* 2: 315-318 '62.

Use of electronic models in the performance of certain relay-type functions [in Georgian with summary in Russian]. N. P. Kandelaki, G. G. Okroashvili. *Trudy Vych. tsentra AN Gruz. SSR* 2:335-338 '62.

NUREMBURG TRAIL OF MAJOR GERMAN WAR CRIMINALS, 1945-1946

Galan, Iaroslav. [With a cross or with a dagger; political sketches] S krestom ili s nozhom; pamflety. Moskva, Goslitizdat, 1962. 117 p.

NURSERY STOCK—DISEASES AND PESTS

The cutworm *Monima* (*Taenioctampa*) *gracilis* F., as a pest of fruit nurseries. I. F. Minder. *Zashch. rast. ot vred. i bol.* 2 no. 6:57-58 N-D '57.

NURSES AND NURSING—STUDY AND TEACHING

Brief news. *Sov. Kras. krest* 12 no. 4:21 J1-Ag '62.

NUTRITION

In the course of the whole year. H. Stolkova. *Nauka i zhytla* 12 no. 10:44 O '62.

NYLON

Chikalov, G. P., and others. [Manufacturing motor-vehicle parts of capron] Izgotovlenie detalей avtomobilia iz kaprona. Kiev, Nauchno-issl. in-t mestnoi i toplivoi promyshl., 1959. 45 p.

[MICROFILM]

"Manufacture of capron silk" by K. E. Fishman, N. A. Khruzin. Reviewed by N. Katorzhnov. *Khim. volok.* no. 8:72-73 '62.

Precision of the manufacture of cast parts of polycaprolactam. L. M. Abramov. *Vest. mashinost.* 42 no. 12: 33-36 D '62.

ShAk-15-1 unit for the production of capron staple fiber. V. L. Forer, G. M. Gutman. *Khim. volok.* no. 6:37-38 '62.

Use of filament capron for the manufacture of blended cotton and capron yarns for knit goods. A. G. Kogan. *Tekst. prom.* 22 no. 12:19-21 D '62.

NYLON HOSIERY see Hosiery, Nylon

NYTVA—HOME AND SCHOOL

Let the families share our best achievements. A. Petrova. *Doshk. voap.* 35 no. 9:93 S '62.

OAK

(see also subdivision under Azerbaijan; Crimea; Korea; Ostankino region; Ukraine; Vinnitsa Province; Volga-Akhutla Flood Plain)

Effect of soil tillage on the growth of one-year-old oaks. V. P. Holovashchenko. *Nauk. pratsi asp. UASHN* no. 5: 102-103 '60.

OAK—DISEASES AND PESTS see subdivision under Khoper Preserve; Ukraine

OAK BREEDING see subdivision under Lipetsk Province

OB' RIVER—ICE ON RIVERS, LAKES, ETC.

Forecasting the dates for the appearance of ice 10 to 15 days ahead of time (as exemplified by the Ob' River). E. I. Savchenkova. *Meteor. i gidrol.* no. 1:41-44 Ja '63.

OB' VALLEY—FROZEN GROUND

Vertically discontinuous structure of frozen ground comprising the flood plains of large rivers as revealed by the upper Amur and lower Ob' Valleys. G. M. Epahteln. *Merz. issl.* no. 1:82-89 '61.

OB' VALLEY—PASTURES AND MEADOWS

Short survey of the flood plain meadows of the Ob' River. L. I. Nomokonov. *Trudy Vost.-Sib. biol. inst. SO AN SSSR* no. 1:33-80 '62.

OBITUARIES

Obituaries. *Zhytla i shkola* 8 no. 10/12:81-82 O-D '62.

OBODOVKA—PARKS

Obodovka and Vorkhovka Parks in Vinnitsa Province. I. V. Tkachuk. *Vianyky Bot. snda AN URSR* no. 4:56-71 '62.

OBSSHCHY SYRT—ROCKS, SEDIMENTARY

Miocene variegated sediments in the southern part of the Obshchly Syrt. A. V. Vetrakov. *Uch. zap. SGU* 65: 21-27 '59.

OBSTETRICS—EQUIPMENT AND SUPPLIES

Use of the vacuum apparatus; based on the data of obstetric institutions in Kishinev. G. A. Pailidi, T. Z. Iakubson. *Zdravookhranenie* 5 no. 3:45-47 My-Je '62.

OBUKHOV DISTRICT—COOPERATIVE SOCIETIES—AC-COUNTING

Important section of work. P. Shvets. *Sov. polreb. koop.* 6 no. 12:11-12 D '62.

OCTANE

Synthesis and properties of crystalline dodecane-2, 2, 7, 7-tetramethyloctane. I. A. Maretina, A. A. Petrov. *Zhur. ob. khim.* 32 no. 12:388 D '62.

OCCULTATIONS

Letter to the Editor. A. A. Rubashevskii. *Astron. tsir.* no. 227:30 F '62.

Observations of lunar occultation of stars. A. G. Krylov. *Astron. tsir.* no. 226:13-14 O '61.

Observations of lunar occultations of stars. F. K. Katagarov. *Astron. tsir.* no. 226:15 O '61.

Observations of lunar occultations of stars at the Sibirsk. G. V. Kuklin, N. F. Tiangu. *Astron. tsir.* no. 224:35-36 Ag '61.

Observations of lunar occultations of stars in Abastumani. V. P. Dzhaplashvili. *Astron. tsir.* no. 224:36-37 Ag '61.

Observations of lunar occultations of stars in Abastumani. V. P. Dzhaplashvili. *Astron. tsir.* no. 226:16 O '61.

Observations of lunar occultations of stars in Dnepropetrovsk. V. A. Baranenko, F. K. Katagarov. *Astron. tsir.* no. 224:34-35 Ag '61.

Observations of lunar occultations of stars in Sibirsk. G. V. Kuklin. *Astron. tsir.* no. 226:14-15 O '61.

Observations of lunar occultations of stars in Tomsk. G. S. Tuterov. *Astron. tsir.* no. 224:36 Ag '61.

Observations of lunar occultations of Venus in Abastumani October 7, 1961. V. P. Dzhaplashvili, E. K. Kharadze. *Astron. tsir.* no. 227:23-24 F '62.

Observations of lunar occultation of Venus on October 7, 1961. R. Bartkus. *Astron. tsir.* no. 226:17 O '61.

Possibility to determine Pluto's diameter from observations of occultations of stars. A. A. Rubashevskii. *Astron. tsir.* no. 224:10-13 Ag '61.

OCEAN TEMPERATURE

Heat exchange of the surface of the ocean with layers of water below the surface. L. A. Strokina. *Meteor. i gidrol.* no. 1:26-30 Ja '63.

OCEANOGRAPHIC INSTRUMENTS

Telemetering in foreign oceanography. V. M. Lifshits. *Meteor. i gidrol.* no. 1:53-55 Ja '63.

OCEANOGRAPHIC RESEARCH see subdivision under Far East

OCEANOGRAPHIC RESEARCH SHIPS—COST OF OPERATION

Cost analysis of research operations on oceanographic research ships. P. S. Mitrofanov. *Mor. sbor.* 46 no. 1:70-79 Ja '63.

OCEANOGRAPHY

From international scientific life. *Meteor. i gidrol.* no. 1:82 Ja '63.

OCEANOGRAPHY—INTERNATIONAL COOPERATION see subdivision under Indian Ocean

OCHAMCHIRE DISTRICT—BACCHARIS

Testing herbicides against *Baccharis*. P. B. Alan. *Zashch. rast. ot vred. i bol.* 5 no. 10:26-29 O '60.

OCTOPUS

Living ancestors of a legend (to be continued).

I. Akimushkin. *Znan. ta pratsia* no. 11:10-17 N '62.

Living ancestors of a legend (continued) I. Akimushkin. *Znan. ta pratsia* no. 12:20 D '62.

ODESSA—CLOTHING INDUSTRY

A talk about the future of a factory. V. Mikhaluk. *Polit. samobr.* 6 no. 11:70-82 N '62.

ODESSA—FLOWERS

Effect of microelements on the growth and development of decorative flowering plants. O. O. Tytarenko, M. M. Kuznetsova. *Vianyky Bot. snda AN URSR* no. 4:21-23 '62.

ODESSA—MOTOR VEHICLES—SOCIETIES, ETC.

Sports without subventions. I.A. Gizerakii. Za rul. 20 no. 12:3 D '62.

ODESSA—MOTORCYCLE RACING

A motorcycle race track is needed in Odessa. N. Kachanov. Za rul. 21 no. 1:3 Ja '63.

ODESSA—PLANT QUARANTINE

On the watch for state interests. S.E. Dobryden', V.B. Shekhtman. Zashch. rast. ot vred. i bol. 2 no. 8:52-53 N-D '57.
Our practices in inspecting ships and cargoes. S.N. Gaiduk, V.B. Shekhtman. Zashch. rast. ot vred. i bol. 4 no. 5:44-45 S-O '59.

ODESSA—RADIO INDUSTRY

Eliminate petty supervision. M. Alekseev. Plan. khoz. 40 no. 1:70-72 Ja '63.

ODESSA PROVINCE—AGRICULTURE—LABOR PRODUCTIVITY

[Statistical study of labor productivity and the uncovering of its potentials in agriculture] Nekotorye voprosy statisticheskogo izucheniia i vyavleniia rezervov proizvoditel'nosti truda v sel'skom khozizistve. [By] F.G. Dolgushvskii i dr. Moskva, Gosstatizdat, 1962. 189 p.

ODESSA PROVINCE—CORN (MAIZE)—DISEASES AND PESTS

The weevil *Tanymecus dilaticollis* Gyll on corn. L.G. Goncharenko. Zashch. rast. ot vred. i bol. 5 no. 7:26-27 Ji '60.

ODESSA PROVINCE—FOOD INDUSTRY—FINANCE

Ways to further improve the issuing of credit to food industry enterprises. M. Kovbasuk. Den. i kred. 20 no. 11:24-27 N '62.

ODESSA PROVINCE—MANUFACTURES

Made in the Odessa Economic Council. Nauka i zhytla 12 no. 11:17 N '62.

ODESSA PROVINCE—PAYMENT

Improve practice in using the accredited form of payments. Z. Zaiceva. Den. i kred. 20 no. 11:53-54 N '62.

ODESSA PROVINCE—SAN JOSE SCALE—EXTERMINATION

Prevent the spreading of San José scale. A.S. Karpov. Zashch. rast. ot vred. i bol. 5 no. 10:44 O '60.

ODESSA PROVINCE—WEEVILS—EXTERMINATION

The weevil *Tanymecus dilaticollis* Gyll on corn. L.G. Goncharenko. Zashch. rast. ot vred. i bol. 5 no. 7:26-27 Ji '60.

ODINTSOVO REGION (MOSCOW PROVINCE)—CLAY

Using lacustrine-glacial (sub-surface) clays and clayey soils at the quarry of the Odintsovo brick plant. I.U.D. Buianov. Sbor. trud. NIIZHelezobetona no. 7:164-177 '62.

OFFENSES AGAINST SOCIALIST PROPERTY

(see also subdivision under Alma-Ata; Tatar A.S.S.R.)

We must eliminate the conditions which contribute to the pilfering of communal property on collective farms. A. Kerimov. Sots. zakon. 40 no. 1:37-39 Ja '63.

We should ensure compensation for damage caused by the pilferage and embezzlement of socialist property. G. Iasinskii. Sots. zakon. 40 no. 1:21-24 Ja '63.

We shouldn't tolerate the overstatement of achieved results which conceals the pilfering of socialist property on collective and state farms. V. Bulargin. Sots. zakon. 40 no. 1:33-36 Ja '63.

OFFICE EQUIPMENT AND SUPPLIES—CONGRESSES

Conference on the mechanization of administrative work in shipbuilding organizations and enterprises. I.U. Degtiarev. Biul. nauch. inform. i trud i zar. plata 5 no. 4:49-54 '62.

OFFICE MANAGEMENT see subdivision under White Russia

OFFICE PRACTICE IN GOVERNMENT see subdivision under Perm Province

OGRE REGION—GUIDEBOOKS

Šķis, G. [Ogre and its environs] Ģeorod Ogri i ego apkārtnē, 2., dop. izd. Rīga, Latvīskās gos izd-vo, 1960. 57 p.

OIL FIELD DRINES

(see also subdivision under Nebit-Dag region; Volg-Ural region)

Basic stages in the development of the hydrogeological method, direct and indirect hydrogeological oil and gas indications. M.A. Gatal'skii. Trudy VNIORI no. 100:108-122 '62.

Cone of bottom water in a two-layer formation. V.A. Karpichev. Inzh. zhur. 2 no. 4:287-292 '62.

OIL FIELD FLOODING

Concerning an optimum maximal recovery method for use in a water-producing field. S.F. Korotkov, N.T. Khalilov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:47-53 '62.

OIL FIELDS—PRODUCTION METHODS

Simultaneous-stage exploitation is an important factor in the increase of oil recovery and its cost reduction. B.K. Babu-Zade and others. Geol. neft' i gaz 7 no. 1:7-11 Ja '63.

Spacing between the production wells in depleted petroleum layers. G.A. Mamedov. Azerb. neft. khoz. 41 no. 6:9-10 Je '62.

OIL HYDRAULIC MACHINERY

"Manufacture of hydraulic drives" by S.L. Anan'ev, M.A. Elizavetin. Reviewed by I.U.S. Demidov. Vest. mashinost. 42 no. 12:82 D '62.

Testing presses by means of hydraulic loading devices. M.M. Rozenblat, V.I. Sokov. Kuz.-shtam. proizv. 4 no. 12:26-28 D '62.

OIL HYDRAULIC MACHINERY—MODELS

Main results of investigation on models the characteristics of a hydrotransmitter of reverse. I.F. Mikhnevich. Sudostroenie 28 no. 10:21-25 O '62.

OIL INDUSTRIES

(see also subdivision under Ukraine)

Seven-year plan in action. Mosl.-zhir. prom. 28 no. 12:1-2 D '62.

Ways to increase the production of vegetable oil in the country. V. Suslov. Ekon. sci. khoz. 34 no. 1:18-24 Ja '63.

OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

(see also subdivision under United States)

Densimeter with continuous action. N.R. Usupbekov, Kh. Tshpulalov, A. Abdurakhimov. Masl.-zhir. prom. 28 no. 12:33-34 D '62.

OIL OF ROSES see Attar of roses

OIL RESERVOIR ENGINEERING

(see also subdivision under Bol'shoy Khol' Valley; Kuybyshev Province; Orenburg Province; Tuymazy region)

Effect of simultaneous production of nonuniform layers on water encroachment and ultimate recovery. M.I. Surguchev. Geol. neft' i gaz 7 no. 1:23-28 Ja '63.

Empirical equations for calculating the amount of gas dissolved in oil and the coefficients of volumetric increase and expansion of saturated oil. N.A. Trivus. Azerb. neft. khoz. 41 no. 6:26-30 Je '62.

Experimental investigation of oil recovery in fissured and porous media. A.T. Gorbunov. Inzh. zhur. 2 no. 4:340-352 '62.

Graphs of pressure build-up curves of various production methods. I.U. A. Balakirov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:37-42 '62.

Oil recovery from reservoir rocks containing viscoplastic oils. B.I. Sultanov. Azerb. neft. khoz. 41 no. 8:28-30, 39 Ag '62.

Over-saturation of oil along the shaft of a free-flowing well. K.V. Vinogradov. Azerb. neft. khoz. 41 no. 6:23-26 Je '62.

Plane steady flow of two fluids in a porous medium. St. I. Gheorghita. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:71-74 '62.

Studying the characteristics of the displacement of water-oil contact and the water encroachment of wells of different yield in nonuniform layers. K.N. Dzhalilov, N.D. Dzhasarov. Azerb. neft. khoz. 41 no. 8:20-23 Je '62.

Using pressure build-up data for comparing various hydrodynamic methods in order to determine the parameters of a layer. R.G. Shagiev. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:43-46 '62.

Water injection into the oil and gas interface zone and its effect on the behavior of the oil pool when the formation pressure is below the saturation pressure. G.P. Guseinov. Azerb. neft. khoz. 41 no. 8:24-26 Ag '62.

OIL RESERVOIR ENGINEERING—LABOR PRODUCTIVITY

Methodology for planning labor productivity in petroleum extraction according to factors involved. M. Losev, I. Ryzhenkov. Biul. nauch. inform. i trud i zar. plata 5 no. 4:3-8 '62.

OIL SANDS

Diagnostics of source rocks. L.A. Nazarkin. Uch. zap. SGU 86:137-143 '59.

Second All-Union Conference on Fractured Reservoirs. I. Krisiuk, V. Golozubov. Geol. neft' i gaz 7 no. 1: 64-3 of cover Ja '63.

OIL SANDS—ANALYSIS

Estimating the effectiveness of geophysical methods in the determination of reservoir properties of rocks. V.L. Komarov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:19-23 '62.

Methodology of studying mother rocks. V.B. Porfir'ev, I.V. Grinberg. Trudy Inst. geol. pol. iskop. AN URSR 5:3-25 '62.

OIL SANDS—PERMEABILITY see subdivision under Irkutsk Province

OIL SHALES

Crystallization of oil-shale ash melts containing 45 to 80% of calcium oxide [with summary in English]. J. Lasn, N. Dilaktorski. Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk 11 no. 4:288-295 '62.

OIL WELL CEMENTING

Basic trends in the over-all mechanization of extradeep well cementing. A.A. Danielian, E.S. Ibragimov, N.G. Kurbanov. Azerb. neft. khoz. 41 no. 8:40-44 Ag '62.

OIL WELL DRILLING

(see also subdivision under Azerbaijan)

Effect of the size of a roller bit on drilling rate. A.E. Kuliev, F.M. Guseinov. Azerb. neft. khoz. 41 no. 6: 15-17 Je '62.

Effective diameter of deep wells in turbodrilling. N.A. Grigorian, B.A. Guliev. Azerb. neft. khoz. 41 no. 8: 15-18 Ag '62.

An interesting experiment. Azerb. neft. khoz. 41 no. 6: 19 Je '62.

Relationship between the optimum axial weight and the parametric characteristics of a turbodrill [in Azerbaijani with summary in Russian]. I.U. V. Sadykhov. Azerb. neft. khoz. 41 no. 8:18-19 Ag '62.

Wages as an important factor in the progress of extradeep well drilling. B.I. Abasov. Azerb. neft. khoz. 41 no. 8:47-48 Je '62.

OIL WELL DRILLING—ELECTRONIC EQUIPMENT

Optimum power-supply frequency of inductive converters with solid magnetic circuit. A.A. Ter-Khachaturyan, Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:105-109 '62.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

(see also subdivision under Karadag region)

Testing the wear resistance of magnesium cast iron in order to use it for manufacturing drilling equipment parts subject to wear. V.I. Shlykov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:99-104 '62.

OIL WELL DRILLING, ELECTRIC

Electric drilling is an important factor in the technological progress of deep and extradeep drilling. A.A. Eganov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:11-14 '62.

OIL WELL DRILLING, SUBMARINE see subdivision under Azerbaijan; Neftyanyye Kamni region; United States

OIL WELL DRILLING FLUIDS

(see also subdivision under Volgograd Province)

Using low-viscosity preparations of carboxymethylcellulose for stabilizing weighted clay muds. M.Z. Finkel'shtein and others. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:25-27 '62.

Using oil-cement-sand solutions for water exclusion. A.M. Khasaev. Azerb. neft. khoz. 41 no. 6:30 Je '62.

OIL WELL DRILLING RIGS

Searching for oil with a fishing rod. A. Glezer. Znan. - sta 37 no. 11:34-35 N '62.

OIL WELL LOGGING, ACOUSTICAL

Acoustical pulse logging of a cased well. L.A. Sergeev and others. Geol. neft' i gaz 7 no. 1:56-60 Ja '63.

OIL WELL LOGGING, ELECTRIC

Relationship between the self potential (S.P.) and the granulometric composition of rocks. R.R. Rakhmanov. Azerb. neft. khoz. 41 no. 6:10-11 Je '62.

OIL WELL PUMPS

Axial pressure in a single-screw pump. A.V. Krylov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:76-80 '62.

Method for converting the characteristics of vortex pumps from water to viscous fluids. S.A. Abdurashitov, I.M. Verzhinin. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:87-91 '62.

New deep-well pump. M.A. Abdullaev, G.S. Oganov, F.G. Khalma. Azerb. neft. khoz. 41 no. 6:43-46 Je '62.

Suction capacity of centrifugal pumps pumping viscous fluids. T.I. Zhukova. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 4:81-86 '62.

OIL WELLS—EQUIPMENT AND SUPPLIES

Underground repair of wells and prospects for improving it. S.A. Vezlov, A.B. Suleimanov, V.P. Kaufman. Azerb. neft. khoz. 41 no. 8:20-24 Ag '62.

OILS AND FATS

(see also subdivision under United States; Vinnitsa)

Determining the amount of gasoline and alcohol in water-and-alcohol solutions of the alkyl sulfates of secondary alcohols. V.I. Babev, T.S. El'kina, K.G. Besedina. Masl.-zhir. prom. 28 no. 4:28-29 D '62.

Evaluation of oil characteristics in oil containing materials. V.E. Ovcharenko, V.F. Borisova. Masl.-zhir. prom. 28 no. 12:8-9 D '62.

Lipides. Part 17: Synthesis of the glyceride composition of safflower oil. G.A. Serebrennikova and others. Zhur. ob. khim. 33 no. 1:60-62 '63.

OILS AND FATS (Continued)

Nonisothermal step extraction with the yield of high concentration micelles. A. G. Neshchadim. Masl. -zhir, prom. 28 no. 12:9-13 D '62.
Twenty-first Plenum of the Learned Council of the All-Union Scientific Research Institute of Fats. V. A. Ivanov. Masl. -zhir, prom. 28 no. 12:30-40 D '62.

OILS AND FATS, EDIBLE

How to use vegetable oils and cooking fats. Obshchestv. pit. no. 12:29-30 D '62.

ointments

Consultations. Apt. delo 12 no. 3:89-90 My-Je '62.

Oilots

From the history of Russian commercial relations with the Oilots in the late 17th century. Sh. B. Chinit-Dorzhiev. Ist. arkh. 8 no. 5:221-222 S-O '62.

OKHANSK DISTRICT—COLLECTIVE FARMS—INCOME DISTRIBUTION

Monetary wages should have a stable economic base. G. Kuznetsov. Ekonom. zhizn. 33 no. 12:56-61 D '62.

OKHOTSK, SEA OF—MAREKANITE

Marekanite on the shores of the Sea of Okhotsk. K. N. Rudich. Trudy Lab. vulk. no. 22:143-149 '62.

OKHOTSK SEA REGION—GLACIAL EPOCH

History of the Quaternary glaciation in the northern area west of the Sea of Okhotsk. A. A. Naimark. Izv. vya. ucheb. zav. i geol. i razv. 5 no. 8:16-24 S '62.

OKTEMBERYAN DISTRICT—PLANTS, PROTECTION OF

The secret of success. I. N. Zashch. rast. ot vred. i bol. 5 no. 11:17-18 N '60.

OKTEMBERYAN DISTRICT—SPRAYING AND DUSTING IN AGRICULTURE

At the demonstration machine-tractor station of Armenia. V. S. Arutunian, E. G. Tumanian. Zashch. rast. ot vred. i bol. 2 no. 8:26-28 N-D '57.

OKTYABR'SKIY (BASHKIRIA)—BUILDING

Rated as "excellent." M. Bukhanov. Na stroi. Ros. no. 12:5 D '61.

OLD AGE

"Principles of gerontology" [translated from the French] by Leon Binet and Fr. Bourlière. Reviewed by R. G. Mesheva. Zdrav. Kazakh. 22 no. 7:79-80 '62.

OLD-AGE HOMES

(see also subdivision under Kaluga Province; Pushkin, Leningrad Province; Sverdlovsk Province)

From the Collegium of the Ministry. Sots. obesp. 23 no. 12:80-81 D '62.

From the Collegium of the Ministry. Sots. obesp. 24 no. 1:54-56 Ja '63.

"Let's continue our conversation..." Sots. obesp. 24 no. 1:34-36 Ja '63.

OLD-AGE HOMES—AUDITING AND INSPECTION

Helps and controls. M. Buronkov. Sots. obesp. 23 no. 11:44-46 N '62.

OLD PERSIAN NAMES see Names, Old Persian

OLEANDER—DISEASES AND PESTS

Bacterial knot of oleander caused by Pseudomonas savastanoi v. nerii Smith. K. D. Krushvill. Zashch. rast. ot vred. i bol. 5 no. 10:44-46 O '60.

OLEASTER

The oleaster Elaonagus orientalis L. N. S. L'vin. Les. khoz. 15 no. 11:76-78 N '62.

OLEFINS

Certain laws governing the liquid-phase oxidation of olefins. V. V. Kamzolkin and others. Neftekhimiya 2 no. 5:750-755 S-O '62.

Conversion polymerization of α -olefins. B. A. Krentsel' and others. Neftekhimiya 2 no. 5:705-708 S-O '62.

Pyrolysis of gasoline vapors to acetylene and olefins in water vapor plasma. D. T. Il'in, E. N. Eremin. Vest. Mosk. un. Ser. 2:Khim. 18 [i.e. 17] no. 8:41-42 N-D '62.

Rate constants and mechanism of reactions of oxygen atoms with ethylene, propylene, and isobutylene. L. I. Avramenko, R. V. Kolesnikova, G. I. Savinova. Izv. AN SSSR, Otd. khim. nauk no. 1:38-45 '63.

Role of a carrier in chromia polymerization catalysts. K. G. Misesaev. Neftekhimiya 2 no. 5:681-687 S-O '62.

Stabilization of polyolefins for pipes used in agriculture. P. I. Levin. Plast. massy no. 11:43-44 '62.

OLEIC ACID

Apparatus for preparing water emulsions of oleic acid. S. M. Sosina, M. T. Pashkovskaya, I. A. I. Myshan. Khleb. i kond. prom. 8 no. 12:39 D '62.

Floitation of some nonsulfide minerals with emulsified oleic acid when there are gases present. S. N. Dorokhina. Nauch. soob. IGD 14:155-160 '62.

OLENEK VALLEY—ICE

New data on fossil ice in the tundra of the Anabar-Olenek Interfluve. O. G. Bolarskii, K. L. Mitt. Merz. issl. no. 1:154-161 '61.

OLENEK VALLEY—LANDFORMS

Presence of relief forms of the glacial accumulation in the tundra of the Anabar-Olenek Interfluve. O. G. Bolarskii, K. L. Mitt. Merz. issl. no. 1:145-153 '61.

OLENINO DISTRICT—ELECTRIC RAILROADS

Electrification of the Olenino narrow-gauge logging railroad by a three-phase current of industrial frequency. N. M. Perel'muter. Trudy TSNIIME no. 34: 5-24 '62.

OLENINO DISTRICT—LUMBER—TRANSPORTATION

Electrification of the Olenino narrow-gauge logging railroad by a three-phase current of industrial frequency. N. M. Perel'muter. Trudy TSNIIME no. 34: 5-24 '62.

OLEOMARGARINE

Unsaturated fatty acids content of margarine. B. I. Khomutov and others. Masl. -zhir, prom. 28 no. 12: 15-17 D '62.

OLEOMARGARINE—PRESERVATION

Margarine with yeast additive. I. D. Movshovich, Khar. prom. no. 4:80-82 O-D '62.

OLEOMARGARINE—TRANSPORTATION

Bulk transportation of liquid margarine. N. I. Kozin, V. I. Varibrus, M. A. Barannikov. Masl. -zhir, prom. 28 no. 12:17-18 D '62.

OLESKO DISTRICT—BOTANY

Vegetation of the Podles'ye Hill near the village of Podles'ye, Olesko District, Lvov Province [with summary in English]. M. P. Polko. Ukr. bot. zhur. 19 no. 5:68-72 '62.

OLETHREUTIDAE

Use of secondary sexual characters in the classification of the subfamily Olethreutinae (Lepidoptera, Tortricidae) [with summary in English]. M. I. Fal'kovich. Ent. oboz. 41 no. 4:878-885 '62.

OLIVE see subdivision under Abkhazia

OLONESHTY—BURIAL

Bronze age burial mounds near the village of Oloneshty in the Moldavian S. S. R. A. I. Melnikova. Krat. soob. Inst. arkeol. no. 89:30-37 '62.

OLYMPIC GAMES

Results of the 59th session of the International Olympic Committee. A. O. Romanov. Teor. i prak. fiz. kult. 28 no. 11:6-14 N '62.

OMSK—CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

Power of collective creative activity. N. Stepanets. NTO 4 no. 11:26-27 N '62.

OMSK—MUSIC

Musical days of Omsk. I. A. Retner. Sov. muz. 26 no. 12:101-103 D '62.

OMSK PROVINCE—AGRICULTURE

Reflections about beacons. L. Ivanov. Zemledelie 24 no. 11:77-83 N '62.

OMSK PROVINCE—BANKS AND BANKING

Help to improve accounting on collective farms. S. Vinnikov. Den. i kred. 20 no. 11:56-59 N '62.

OMSK PROVINCE—COLLECTIVE FARMS—ACCOUNTING

Help to improve accounting on collective farms. S. Vinnikov. Den. i kred. 20 no. 11:56-59 N '62.

OMSK PROVINCE—GRAIN HANDLING

Problems of further improvement in the management of grain receiving enterprises. S. Savchenko. Muk. -elev. prom. 28 no. 10:28-30 O '62.

OMSK PROVINCE—PRECAST CONCRETE

The path toward profitable production. N. Il'in. Fin. SSSR 23 no. 12:66-68 D '62.

OMSK PROVINCE—PUBLIC HEALTH

Social forms in the activities of the public health agencies of Omsk Province. M. E. Poliakova. Zdrav. Ros. Feder. 8 no. 12:16-20 D '62.

OMSK PROVINCE—PUBLIC PROSECUTORS

How we have supervised the observance of regulations prohibiting the production of low-grade baking foods. I. A. Zlatovskii. Sots. zakon. 39 no. 12:42-43 D '62.

OMSK PROVINCE—SOILS—PHOSPHORUS CONTENT

Using leaf diagnosis to define more precisely the boundary indices (limits) of Truog's method in Chernozem soils of Omsk Province [with summary in English]. N. K. Boldyrev. Pochvovedenie no. 9:25-34 S '62.

OMSK PROVINCE—SOLONCHETZ SOILS

Role of the biological factor in the processes of alkali formation in Solonchets soils [with summary in English]. N. S. Ponomareva. Pochvovedenie no. 9:35-43 S '62.

ONCOLOGY

Spontaneous tumors in rats bred in the nurseries of the Academy of Medical Sciences of the U. S. S. R. E. A. Ird, V. P. Konoplev. Vest. AMN SSSR 17 no. 11:89-86 '62.

ONCOLOGY—CONGRESSES

Biology of a cancer cell at the 8th International Cancer Research Congress. A. D. Timofeevskii. Usp. sovr. biol. 54 no. 3:368-374 N-D '62.

ONIONS

Changes in the chemical composition of perennial Egyptian onion during its growth. I. I. Ershov, V. D. Brumshstein. Biokhim. pl. i ovesch. no. 7:230-239 '62.

Effect of temperature on the growth and development of the common onion. A. A. Kazakova. Trudy po prikl. bot., gen. i sel. 31 no. 2:117-121 '57.

Effect of the length of day on the development of various onion species. A. A. Kazakova. Trudy po prikl. bot., gen. i sel. 31 no. 2:122-130 '57.

Phosphorus nutrition of onions [with summaries in English, German, and French]. A. I. Kall'ian. Vest. sel'khoz. nauki 7 no. 11:45-46 N '62.

ONTOGENY

Ontogenesis and phylogenesis of the main blood vessels of the thoracic limb in mammals. P. M. Mazhuka. Pratsi Inst. zool. AN URSR 18:20-49 '62.

Problems in the pathogenesis of hereditary and nonhereditary disorders of normal development in the light of the general regularities of ontogenesis. P. G. Svetlov. Vest. AMN SSSR 17 no. 11:13-18 '62.

ONTOGENY (BOTANY)

Rzhanova, E. I. [Historical survey of views concerning the ontogeny of plants; lecture from a course in the biology of the development of plants] Istoriya razvitiya obzor vzgladov na ontogenez rastenii; lektsiia dlia studentov zaochnogo i vechernego otdelenii biologicheskikh fakul'tetov gosudarstvennykh universitetov. Lektsiia iz kursa "Biologiya razvitiia rastenii." [Moskva] Izd-vo Mosk. univ., 1962. 55 p.

OPEN AND CLOSED SHELVES

Book arrangement and the organization of catalogs in children's libraries providing free access to their collections. L. V. Khorshunova. Sov. bibl. no. 6:14-20 '62.

OPEN-CUT MINING see Strip mining

OPEN-HEARTH FURNACES

Determining the degree of heat regeneration in open-hearth furnace checkerwork. A. I. Chernogolov. Trudy Vost. inst. ognep. no. 2:127-131 '60.

Dust characteristics from smelting in a large capacity open-hearth furnace. A. I. Chernogolov, I. P. Bas'ias. Trudy Vost. inst. ognep. no. 2:118-128 '60.

Heating open-hearth furnaces with natural gas. L. M. Efimov. Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:8-13 '62.

Impulse for regulating the luminosity of the gas furnace flame. V. S. Kocho, V. I. Grankovskii, V. G. Antos'ak. Izv. vya. ucheb. zav. i chern. met. 5 no. 12:162-167 '62.

Selection of a basic impulse for the continuous control and automatic regulation of heat processes in open-hearth furnaces. A. I. Chernogolov. Izv. vya. ucheb. zav. i chern. met. 5 no. 12:174-181 '62.

OPEN-HEARTH FURNACES—COMBUSTION

Thermal efficiency, heat receptivity of the metal, and oxidizing capability of open hearth furnaces during oxygen and compressed air feed to the flame. Report no. 1. I. V. Belov, I. A. Vil'mianskii. Izv. vya. ucheb. zav. i chern. met. 5 no. 12:163-161 '62.

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Using 50 mm. facing bricks in open-hearth furnaces in foundries. G. I. Antonov and others. Mashinostroenie no. 5:42-43 S-O '62.

OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

(see also subdivision under United States)

Effect of the granular composition of magnesite powders on the properties and service of open-hearth furnace bottoms. Stal' 22 no. 12:1078-1081 D '62.

Fritting of a hearth bottom with fine-grained magnesite. S. M. Broit, N. I. A. Trusov. Metallurg 8 no. 1:17-19 Ja '63.

Making and operating a rammed bottom in open-hearth furnaces. M. M. Khil'ko, M. I. Molchanova, V. A. Machkovskii. Met. i gornorud. prom. no. 5:78-80 S-O '62.

Rapid method for the fritting of a 600-ton open-hearth furnace. O. N. Kozin and others. Met. i gornorud. prom. no. 5:76-78 S-O '62.

OPEN-HEARTH FURNACES — MAINTENANCE AND REPAIR (Continued)

Repairing hearth bottoms in open-hearth furnaces. E. F. Kosolapov, I. P. Bas'ias. Trudy Vost. inst. ognep. no. 2:59-82 '60.
Some characteristics of hearth bottoms in open-hearth furnaces. L. B. Khoroshavin, M. V. Medjakova. Ogneupory 28 no. 1:23-25 '63.

OPEN-HEARTH PROCESS

Effect of technological and heat engineering factors on temperature conditions in open-hearth furnace smelting in the finishing period. V. S. Kocho, A. G. Streichenko. Met. i gornorud. prom. no. 5:24-28 S-O '62.
Using oxygen in the open-hearth process. K. M. Trubetskov. Biul. tekhn. - ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:13-19 '62.

OPEN-HEARTH PROCESS—QUALITY CONTROL

Peculiarities of the technology and quality of the steel produced by various alternates of blowing compressed air into the flame and the bath of large-capacity open-hearth furnaces. M. I. Medzhibozskii and others. Izv. vys. ucheb. zav. zhern. met. 5 no. 12:41-55 '62.

OPERA

(see also subdivision under Leningrad)
Some problems of the development of stage direction in the history of Russian opera. T. M. Smirnova. Nauch. -metod. zap. Sar. gos. konser. no. 4:85-98 '61.

OPERA—HISTORY AND CRITICISM

Traditions of classical form in Soviet opera. M. F. Geilig. Nauch. -metod. zap. Sar. gos. konser. no. 4: 53-84 '61.

OPERATIONAL CALCULUS see Calculus, Operational

OPERATORS (MATHEMATICS)

Generating operators of semigroups. V. G. Maz'ia, P. E. Sobolevskii. Usp. mat. nauk 17 no. 8:151-154 N-D '62.

Godmoy, S. K., and V. S. Rjaben'kii. [Introduction to the theory of different systems] Vvedenie v teoriu raznostnykh skhem. Moskva, Fizmatgiz, 1962. 340 p.

Necessary and sufficient indication of the compactness of imbedding [with summary in English]. A. G. Ramm. Vest. LGU 18 no. 1:150-151 '63.

On the discrete part of the Laplacian spectrum in regions of limiting cylindricality. I. M. Glazman, B. I. A. Skachek. Dokl. AN SSSR 147 no. 4:760-763 D '62.

On the principle of the maximum for a class of operators in Banach space [with summary in English]. V. G. Maz'ia. Vest. LGU 18 no. 1:64-69 '63.

Operator of analytic continuation of generalized functions. L. Sh. Khodzhaev. Dokl. AN SSSR 147 no. 6:1296-1299 D '62.

Remarks on completions of partially ordered sets. V. V. Pashenkov. Usp. mat. nauk 17 no. 6:155-162 N-D '62.

Some applications of the general theory of biorthogonal systems in the study of symmetrizable operators. B. E. Velts. Usp. mat. nauk 17 no. 6:127-134 N-D '62.

OPERAETTA see subdivision under Warsaw

OPTIC LOBES

Electroencephalographic expression of the work of brain lobes in perceiving light complexes. E. A. Golubeva. Dokl. APN no. 1:105-108 '62.

OPTIC NERVE

Experiments in the traumatization of the crystalline lens following the section of the optic nerve in adult frogs. V. V. Popov, E. B. Vsevolodov, Z. A. Sokolova. Dokl. AN SSSR 147 no. 6:1503-1506 D '62.

OPTICAL FILMS

Use of optically active coatings in the study of processes occurring during the press-working of metals. P. I. Polukhin, V. K. Voronov. Sbor. inst. stali i splav. no. 40:277-292 '62.

OPTICAL GLASS see Glass, Optical

OPTICAL INSTRUMENTS

Effect of the position of diaphragms on contrast changes in images. Miron Gal. Opt. i spekt. 13 no. 6:834-845 '62.

OPTICS—BIBLIOGRAPHY see Bibliography—Optics

OPTICS, PHYSICAL

Solving the radiation transfer equation for the case of the scattering indicatrix greatly differing from the spherical form. Part 2. L. M. Romanova. Opt. i spekt. 13 no. 6:819-825 '62.

ORANGE—STORAGE

Changes in the chemical composition of oranges during ripening and storage. L. A. Gershtein. Biokhim. pl. i osvob. no. 7:180-180 '62.

ORANGE BREEDING see subdivision under Sukhumi

ORBELIANI, GRIGORI DMITRIEVICH, 1804?-1883

Unrevealed letters of Dmitrii Kiplani and Grigori Orbelliani [in Georgian with summary in Russian]. E. M. Abramishvili. Izv. Inst. ruk. AN Gruz. SSR 3:155-163 '61.

ORBITS

Stability of motion in a generalized problem of two stationary centers. V. G. Degtiarev. Prikl. mat. i mekh. 26 no. 5:1118-1121 N-D '62.

ORE CARRIERS

"Dzankoy"-type coal and ore carriers. A. S. Briker, M. N. Gavrilov, E. N. Kultashev. Sudostroenie 28 no. 10:1-3 O '62.

ORE DEPOSITS

(see also subdivision under Caucasus; Dzhezkazgan District; Flagdon region; Kugitang Tau; Tanalyk Valley; Ural Mountains)

Agoshkov, M. L., S. S. Borisov, and V. A. Bolarskii. [Development of ore and placer deposits] Razrabotka rudnykh i oesypnykh mestorozhdenii. Moskva, Gosgortekhnizdat, 1962. 678 p.

Relationship between oil and ore potentials and Pre-Paleozoic shale-carbonaceous formations of the Southern Ural, Kazakhstan, and Central Asia. N. P. Tuayev. Trudy VNIGRI no. 190:26-71 '62.

"Structure of ore deposits" by A. S. Velikii. Reviewed by M. R. Mamed'yarov. Uch. zap. AGU. Geol. -geog. ser. no. 1:95-96 '62.

Vol'ison, F. I. [Problems in studying hydrothermal deposits] Problemy izucheniia gidrotermal'nykh mestorozhdenii. 2. izd., dop. i perer. Pod red. A. G. Betekhtina. Moskva, Gosgeoltekhizdat, 1962. 304 p.

ORE DRESSING

(see also subdivision under Almaty; France; Khrestal'nyi; Krivoy Rog Basin; Ukraine; United States; Ural Mountain region)

Basic trends in improving technical methods and equipment for ore dressing and planning ore-dressing plants. A. B. Patkovskii. Gor. zhur. no. 5:3-7 My '62.
Concentration of middlings and fine ores and sands in a spiral sluice. V. D. Ivanov. Gor. zhur. no. 5:60-62 My '62.

Discussion of A. B. Patkovskii's article "Basic trends in improving technical methods and equipment for ore dressing and planning ore-dressing plants. L. E. Zubrilov and others. Gor. zhur. no. 1:25-27 Ja '63.

Dressing of titanium-zirconium sands. A. A. Pershukov, S. V. Safonov. Titan i ego splavy no. 8:8-13 '62.

Improved method of utilizing leucocene-bearing titanium ores. E. B. Dmitrovskii, T. M. Burmistrova, V. A. Reznichenko. Titan i ego splavy no. 8:14-21 '62.

Increasing the efficiency of capital investments in the growth of ore-dressing capacity. V. K. Zakhvatkin. Gor. zhur. no. 1:15-24 Ja '63.

Responses of economic councils to the editors' requests. M. Shchurkin, S. Gapeev. Gor. zhur. no. 5:79 My '62.

Use of electronic calculating machines for the investigation of ores on their ability to undergo concentration. L. A. Barskii, T. Svet. met. 35 no. 9:8-11 S '62.

Use of ion exchange for extracting minerals. G. I. Lopatina. Nauch. soob. IGD 14:142-143 '62.

Use of neutron analysis to determine the tungsten, aluminum, and manganese content of dressing products. I. F. Stepanenko. Nauch. soob. IGD 14:144-149 '62.

Ways of expanding automatic control in ore dressing plants. G. S. Nesterov. TSvet. met. 35 no. 9:12-15 S '62.

ORE DRESSING—BIBLIOGRAPHY see Bibliography—Ore dressing

ORE DRESSING—BY-PRODUCTS

Overall utilization of wastes from mining and ore dressing combines. I. I. Bushtedt. Stroi. mat. 8 no. 12: 15-18 D '62.

ORE DRESSING—EQUIPMENT AND SUPPLIES

New equipment for ore dressing plants. V. G. Ustin. Avtom. i prib. no. 4:85-73 O-D '62.

ORE HANDLING see subdivision under Krivoy Rog Basin; Montana

OREL—MACHINERY INDUSTRY—MANAGEMENT

When principles are forfeited. P. Fedosov, A. Lisov. Parts. zhizn' no. 2:34-38 Ja '63.

OREL GOVERNMENT—INDUSTRIES

History of the nationalization of industry in the Orel Government [with summary in English]. Z. V. Terlaeva. Vest. LGU 17 no. 20:62-72 '62.

OREL PROVINCE—AGRICULTURE

Practices of the leading agricultural workers should be made available to all. G. Vorob'ev. Part. zhizn' no. 2:25-28 Ja '63.

ORENBURG PROVINCE—AGRICULTURAL CHEMISTRY

Konferentsia po khimizatsii sel'skogo khoziaistva Orenburgskoi oblasti, 2d. [Chemicalization of agriculture in Orenburg Province] Khimizatsiia sel'skogo khoziaistva Orenburgskoi oblasti; trudy. Orenburg, Orenburgskii sel'khoz. in-t, 1961. 114 p. (DNAL)

[MICROFILM]

ORENBURG PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Long life for agricultural machinery. M. Nekrasov. Komsom. zhizn' no. 22:3-5 N '62.

ORENBURG PROVINCE—AGRICULTURE

Increasing agricultural production on the farms of Orenburg Province. A. I. Stepanov. Dokl. TSKHA no. 75:70-89 '62.

ORENBURG PROVINCE—EDUCATION

For the schools with longer hours! P. Ivantsova. Nar. obr. no. 1:70-74 Ja '63.

ORENBURG PROVINCE—GRAIN

Increase in the economic effectiveness of growing grain due to the new tillage system in Orenburg Province as exemplified by the "Krasnain zhititsa" State Farm in Perevolotskiy District. N. A. Sergeev. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:5-11 '62.

Ways of the further development of grain production on the state farms of Orenburg Province. A. I. Stepanov. Dokl. TSKHA no. 75:221-228 '62.

ORENBURG PROVINCE—GRAIN ELEVATORS

Electric power supply of grain receiving stations in Orenburg Province. G. Molamud. Muk. -elev. prom. 28 no. 10:3-5 O '62.

ORENBURG PROVINCE—HISTORY

Kommunisticheskaia partia Sovetskogo Soyuza, Orenburgskii oblastnoi komitet. Partinnyi arkhiv. [Called by the revolution; stories of Orenburg Bolsheviks and their struggle for the victory of the proletarian revolution and the Soviet regime] Revoliutsiia prikrannye; rasskazy ob orenburgskikh bol'shevikakh, ikh bor'bu za pobedu proletarskoi revoliutsii, za vlad' Sovetov. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1961. 108 p. (CST-II) (CU)

ORENBURG PROVINCE—OIL RESERVOIR ENGINEERING

Significance of lithological factors and jointing in petroleum fluid flow. E. N. Ivanova. Trudy VNIGRI no. 180:131-143 '62.

ORENBURG PROVINCE—PUBLIC PROSECUTORS

How we struggle for the preservation of farm produce. A. Solutanov. Sots. zakon. 38 no. 12:21-22 D '62.

ORENBURG PROVINCE—STUDENT ACTIVITIES

For the schools with longer hours! P. Ivantsova. Nar. obr. no. 1:70-74 Ja '63.

ORENBURG PROVINCE—VERTEBRATES, FOSSIL

Finds of the little-known groups of Triassic vertebrates. V. G. Ochev. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 9:26-28 S '62.

ORES

Automation in weighing ores. E. A. Bollaev, I. U. Akubov. Gor. zhur. no. 1:74 Ja '63.

ORES—SAMPLING AND ESTIMATION

Making general diagrams for processing samples of various weight. P. A. Kotov. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 9:141-142 S '62.

ORGANIC CHEMISTRY see Chemistry, Organic

ORGANIC COMPOUNDS

Ebullimetric and cryometric determination of the degree of purity of organic compounds and eutectics. W. W. Swietoslowski. Zhur. fiz. khim. 36 no. 12: 2780-2783 D '62.

Measurement of the activity of the components of complex mixtures of organic substances containing carbon-14. L. P. Pirova, M. F. Barakat. Radio-khimiia 4 no. 6:740-742 '62.

Some results of a study of the viscosity of organic liquids [with summary in English]. Kh. M. Khalilov. Ukr. fiz. zhur. 7 no. 8:882-887 Ag '62.

ORGANIC COMPOUNDS—SPECTRA

Effect of molecular interactions on proton chemical shifts in certain organic systems. B. A. Arbutov, I. U. Samitov, A. I. Kononov. Izv. AN SSSR. Ser. fiz. 27 no. 1:82-86 Ja '63.

ORGANIC MATTER

(see also subdivision under Volga-Ural region)
Use of ultra-acoustic method in studying organic substances in the liquid - polycrystal transition region [with summary in English]. M. A. Gorbunov and others. Ukr. fiz. zhur. 7 no. 8:888-888 Ag '62.

ORGANIZATION OF AMERICAN STATES

The Organization of American States. M. Manasov. Otv. na vop. trud. no. 4:32-37 Ap '62.

ORGANOMETALLIC COMPOUNDS

Elementoorganic polymers. V. V. Korshak, A. M. Sladkov, L. K. Luneva. *Izv. AN SSSR. Otd. khim. nauk* no. 12: 2251-2253 D '62.

Interaction of ferrocenecarboxylic acid nitrile with metalloorganic compounds and the preparation of di- and triferrocenylmethyl compounds. A. N. Nesmejanov and others. *Izv. AN SSSR. Otd. khim. nauk* no. 12: 2241-2243 D '62.

ORGEYEV DISTRICT—SOILS

Soils in Orgeyev District, Moldavian S. S. R. L. N. Riabinina. *Pochvy raion. Mold. i ikh rats. ispol'*, no. 1: 58-86 '61.

ORGEYEV DISTRICT—VITICULTURE

There are quite a few problems which we have to solve. S. Kozhukhar'. *Komm. Mold.* 7 no. 11: 20-31 N '62.

ORIBATIDAE see subdivision under Azerbaijan

ORIENTATION (ARCHITECTURE) see subdivision under Uzbekistan

ORNITHOLOGY see subdivision under Poland

ORNITHOSIS see subdivision under Leningrad

ORSIA—TEXTILE INDUSTRY—HYGIENIC ASPECTS

Therapeutic and prophylactic work at the Orsha Flax Combine. M. V. Denisova, V. N. Veisenberg. *Zdrev. Bel.* 8 no. 12: 56-58 D '62.

ORSK DISTRICT—JASPER

Orsk jasper waits for skilled hands. IU, Kraivanov. *Mest. prom. i khud. promys.* 3 no. 11: 33 N '62.

ORTHODOX EASTERN CHURCH

News from dioceses. *Zhur. Mosk. Patr.* no. 11: 20-29 N '62.

ORTHODOX EASTERN CHURCH—CLERGY

Decisions of the Holy Synod. *Zhur. Mosk. Patr.* no. 11: 9-10 N '62.

ORTHODOX EASTERN CHURCH—PERIODICALS see subdivision under Rumania

ORTHODOX EASTERN CHURCH—RELATIONS

Conference with a delegation of the National Council of the Churches of Christ in the U. S. A. (to be concluded). S. Preobrazhenskii. *Zhur. Mosk. Patr.* no. 11: 55-68 N '62.

Delegation of Moscow Patriarchate at Church celebrations in Echmiadzine. *Zhur. Mosk. Patr.* no. 11: 13-16 N '62.

Doctor I. Hromadka visits ancient Yaroslavl. A. Skobei. *Zhur. Mosk. Patr.* no. 11: 34-36 N '62.

Our impressions. Veikko Laponen. *Zhur. Mosk. Patr.* no. 11: 36-38 N '62.

Sojourn in the U. S. S. R. of a group of theologians of the department "Faith and Church Organization" of the World Council of Churches. V. Stolkov. *Zhur. Mosk. Patr.* no. 11: 30-33 N '62.

ORTHODOX EASTERN CHURCH—RELATIONS—CATHOLIC CHURCH

Departure of the observers from Moscow Patriarchate to the Second Vatican Council of the Catholic Church. *Zhur. Mosk. Patr.* no. 11: 13 N '62.

Telegram from the Chairman of the Secretariat for the Promotion of Christian Unity Cardinal Bea to Archbishop Nikodim. *Zhur. Mosk. Patr.* no. 11: 13 N '62.

ORTHODOX EASTERN CHURCH, RUSSIAN

Radzianko, M. [The truth about the Russian Orthodox Church outside Russia according to documents and private reminiscences] *Pravda o Zarubezhnoi Tserkvi po dokumentam i lichnym vospominaniyam*, [n. p.] 1954. 40 p. (ICU)

ORTHOPEDIC APPARATUS

Cuff-stirrup for the reduction of a dislocated meniscus of the knee joint. S. I. Stamatin. *Zdravookhraneniye* 5 no. 3: 57 My-Je '62.

Stands relate. K. Romanova. *Sots. obsp.* 23 no. 11: 16-17 N '62.

ORTHOPEDIC APPARATUS INDUSTRY

(see also subdivision under Krasnodar; Leningrad; Voronezh)

From the Collegium of the Ministry. *Sots. obsp.* 23 no. 12: 50-51 D '62.

ORTHOPEDIC SHOES see subdivision under Leningrad

ORVID, G.

Interesting concert. Aleksandr Gauk. *Sov. muz.* 26 no. 12: 95 D '62.

O&A (PERA PROVINCE)—TEACHERS COLLEGES

In the O&A Normal School. V. Stenov. *Nar. obr.* no. 1: 26-28 Ja '63.

OSCILLATIONS

Forced oscillations in an electric circuit with a non-linear capacitor. V. N. Detinko, A. S. Petrov. *Izv. vys. ucheb. zav.; fiz.* no. 6: 90-98 '62.

Free oscillations of a circular ring with equidistant masses. K. Sh. Khodzhaev. *Prikl. mat. i mekh.* 26 no. 6: 1141-1144 N-D '62.

Relaxation of intermolecular oscillations in gases and liquids [with summary in English]. V. A. Solov'ev. *Ukr. fiz. zhur.* 7 no. 8: 854-860 Ag '62.

Variational method for solving the problem of the oscillations of a liquid in a partially filled cavity. I. B. Bogoriad. *Prikl. mat. i mekh.* 26 no. 6: 1122-1127 N-D '62.

OSCILLATORS, CRYSTAL

Measurement of internal friction in ferroelectric single crystals by the piezoelectric oscillator method. K. A. Minaeva. *Kristallografiya* 7 no. 3: 425-428 My-Je '62.

OSCILLATORS, CRYSTAL—NOISE

Effect of noises on the frequency instability of quartz oscillators. V. N. Titov. *Trudy Inst. Kom. stand., mer i izm. prib.* no. 59: 84-93 '62.

OSCILLATORS, CRYSTAL—TESTING

Investigating high-quality quartz bars. A. S. Smagin. *Trudy Inst. Kom. stand., mer i izm. prib.* no. 59: 37-45 '62.

Investigating properties of quartz resonators. A. G. Smagin. *Trudy Inst. Kom. stand., mer i izm. prib.* no. 59: 10-36 '62.

OSCILLATORS, CRYSTAL—THERMAL PROPERTIES

Relationship between the quality and resonance clearness of quartz elements and the temperature in the range of 80-770° K. N. F. Zhdanova, V. F. Lubentsov. *Trudy Inst. Kom. stand., mer i izm. prib.* no. 59: 46-49 '62.

OSCILLATORS, ELECTRIC

Reply to a letter by V. F. Nesteruk, N. N. Porfir'eva, and B. A. Flagin. IU, M. Bykov. *Avtom. i telemekh.* 24 no. 1: 117-118 Ja '63.

Some remarks and additions to IU, M. Bykov's article "Fluctuation noise generators for studying infra-low frequency control objects." V. F. Nesteruk, N. N. Porfir'eva, B. A. Flagin. *Avtom. i telemekh.* 24 no. 1: 116-117 Ja '63.

OSCILLATORS, ELECTRON-TUBE

Equipment for the automatic photography of curves from the screen of an electron oscilloscope. V. M. Kirpichnikov. *Trudy Ural. politekh. inst.* no. 119: 124-126 '62.

A stable wide-band oscillator. A. Shadskii. *Radio* no. 1: 20-21 Ja '63.

Synchronous frequency division and multiplication in a two-stage self-oscillator. G. D. Shemanaev. *Radiotekh. i elektron.* 8 no. 1: 32-41 Ja '63.

Terent'ev, S. N., and V. F. Kartavych. [Triode S-band transmitters] *Tridnyye peredatchiki detsimetrovyykh voln*, Kiev, Gosizdatat USSR, 1962. 345 p.

OSCILLATORS, TRANSISTOR

Analyzing the operating conditions of some transistorized synchronous filters-generators. A. P. Molnarenko. *Nauk. pratal asp. UASHN* no. 5: 256-267 '60.

Concerning the frequency stability of a transistor square wave generator. L. A. Sindskii, V. A. Shkol'nyi. *Radiotekh. i elektron.* 8 no. 1: 84-89 Ja '63.

Studying the frequency stability of a low-frequency oscillator using a point-contact transistor. R. D. Protchenko. *Nauk. pratal asp. UASHN* no. 5: 260-275 '60.

OSCILLOGRAPH

Attachment to a 25-I oscillograph for recording sets of characteristics of semiconductor triodes and diodes. D. S. Lopsveridze, A. M. Morozov. *Trudy Vych. tsentra AN Gruz. SSR* 2: 345-351 '62.

Selecting optimum parameters for the vibrator of a loop oscillograph [with summary in English]. A. Yu. Lyovovich, V. S. Sabaneev. *Vest. LGU* 18 no. 1: 106-114 '63.

OSCILLOGRAPHY

Method for recording the radiation spectra of a pulse discharge with a time resolution of 10^{-8} sec. S. I. Andreev, M. P. Vanukov, E. V. Daniel'. *Opt. i spekt.* 13 no. 6: 803-805 '62.

Method of simultaneous graphic registration of sound and oscillographic indices of arterial pressure [with summary in English]. V. V. Bulichev, V. V. Solov'ev. *Vop. kard. 2-go MGMI* no. 2: 345-356 '62.

OSSETIA—DANCING

Grikurova, L. N. [Ossetic dances] *Ossetinskie tantsy. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo*, 1961. 212 p. illus., music. (MH)

OSSETIA, SOUTH

Akademii nauk Gruzinskoi SSR, Tiflis. *Iugo-Osetinskii nauchno-issledovatel'skii institut*, Stalin. [South Ossetian Autonomous Province] *Iugo-Osetinskaiia avtonomnaia oblast'*. Tskhinvali, Gosizdat Iugo-Osetii, 1962. 82 p.

OSSETIA, SOUTH—COMMUNIST YOUTH LEAGUE

Gassiev, Viktor. [First generation; from the history of the Communist youth organization Spartak in South Ossetia, 1919-1921] *Pervoe pokoleniye. [Iz istorii komсомола: skoi organizatsii Spartak v Iuzhnoi Osetii, 1919-1921 g.]* Stalin. Gosizdat Iugo-Osetii, 1960. 163 p. [In Ossetic] (MH)

OSTANKINO REGION—OAK

Natural reproduction of oak in the Ostankino oak forest. R. A. Karpisonova. *Bot. Glav. bot. sadu* no. 47: 72-78 '62.

OSTRACODA see subdivision under Kandalaksha Bay

OTOSCLEROSIS

Kolomilchenko, A. I., and others. [Operations on the stirrup in otosclerosis] *Operatsii na stremeni pri otoskleroze. Pod obshch. red. A. I. Kolomilchenko*. Kiev, Gosmedizdat, USSR, 1962. 280 p.

OTS, GEORG, 1920-

Strel'nikov, B. N. Georg Ots. Moskva, Iskustvo, 1962. 110 p. illus.

OUTER SPACE—EXPLORATION

"Space science reviews." Reviewed by S. B. Pikel'ner. *Astron. zhur.* 40 no. 1: 197-198 Ja-F '63.

OVECHKIN, NIKOLAI KIRILLOVICH, 1916-1962

Nikolai Kirillovich Ovechkin; obituary. *Paleont. zhur.* no. 4: 130-131 '62.

OVENS

Automatic temperature regulation in electric ovens. F. I. Belon'kii. *Khleb. i kond. prom.* 6 no. 12: 37 '62. Bakery ovens with intensified convection heat exchange in the baking chambers. O. A. Rudenko-Gritsuk, A. A. Mikhel'ev. *Khar. prom.* no. 4: 66-68 O-D '62.

OVERCOATS see Coats

OVERTIME

In what cases can a worker apply for overtime and what is the wage for this work? IU, Iur'burgskii. *Otv. na vop. trud.* no. 8: 60-63 Ag '62.

An order displayed at the timekeeper's office. IA, Sukhorukov. *Sov. profsojuzy* 19 no. 1: 19 Ja '63.

OVERVOLTAGE

Effect of adsorbed oxygen on the oxygen overvoltage and on the dissolution of metals undergoing passivation [with summary in English]. P. M. Nessonov. *Zhur. fiz. khim.* 36 no. 12: 2628-2637 D '62.

Relation between hydrogen overvoltage and the ampere-hour capacity of porous iron electrodes. V. S. Porokova, O. L. Rozental'. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 5 no. 5: 788-792 '62.

OWLET MOTIFS

Effect of intermittent lighting on the photoperiodic reaction and behavior of the moth *Acronycta rumicis* L. N. I. Goryshin, G. F. Tsvetaeva. *Trudy PBI* no. 19: 122-135 '62.

OXIDATION

Berezin, I. V., E. T. Denisov, and N. M. Emanuel'. [Oxidation of cyclohexane] *Oksidatsiya tsikloheksana*, [Moskva] Izd-vo Mosk. univ., 1962. 301 p.

Catalytic oxidation of ethylene in the presence of aqueous solutions of palladium salts. K. I. Matveev and others. *Kin. i kat.* 3 no. 5: 661-673 S-O '62.

Certain laws governing the liquid-phase oxidation of olefins. V. V. Kamzolkin and others. *Neftekhimiya* 2 no. 5: 750-755 S-O '62.

Kinetics of hydrogen peroxide consumption in the oxidation of cyclohexanol. E. T. Denisov, V. V. Kharitonov. *Neftekhimiya* 2 no. 5: 760-765 S-O '62.

Liquid phase oxidation of α,β -unsaturated ketones. Part 2: Products of the liquid phase oxidation of normal propylidene-, amyldene-, and hexylideneacetones. I. G. Tishchenko, L. S. Stanishevskii. *Zhur. ob. khim.* 33 no. 1: 141-145 '63.

Mechanism underlying the oxidation of propylene on copper catalysts studied by the method of separate calorimetry. N. I. Popova, V. P. Latyshev. *Dokl. AN SSSR* 147 no. 6: 1382-1385 D '62.

Oxidation of acenaphthene with electrochemical regeneration of the catalyst. A. I. Kamneva and others. *Neftekhimiya* 2 no. 5: 756-759 S-O '62.

Oxidation of isomeric β -sitosterol 5, 6-dibromides. E. V. Keenofontova, M. V. Vasil'eva, A. M. Khaletskii. *Zhur. ob. khim.* 32 no. 12: 4013-4015 D '62.

Oxidation of phenol in the field of ultrasonic waves [with summary in English]. IU, IU, Lur'e, P. F. Kandzas, A. A. Mokina. *Zhur. fiz. khim.* 36 no. 12: 2616-2620 D '62.

Oxidation reactions of ferrocyanide by some oxidizing agents as dependent on pH of the medium. P. A. Epik, F. I. Perchik. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 5 no. 5: 703-708 '62.

Photooxidation of cellulose [with summary in English]. O. B. Zapol'skii. *Vysokom. soed.* 5 no. 1: 68-70 Ja '63.

OXIDATION (Continued)

Rapid oxidation of Drogobych paraffin. V. T. Skilar, A. N. Bodan, A. A. Maskov. Nauch. zap. Ukrniproekta no. 8:3-9 '62.

Separation of oxidation and phosphorylation at the cessation of the hypothermal state. S. E. Severin and others. Dokl. AN SSSR 147 no. 6:1489-1492 D '62. Spectroscopic study of the oxidation of vitamin C and its stabilization by vitamin B1. C. Ionatis, B. Rubikaitis. Izv. AN SSSR, Ser. fiz. 27 no. 1:45-47 Ja '63.

Sterically hindered phenols. Report No. 10: Oxidation of phenols by lead tetraacetate. G. N. Bogdanov, V. V. Ershov. Izv. AN SSSR, Otd. khim. nauk no. 12:2145-2150 D '62.

Use of vibration spectra in studying the mechanism underlying self-oxidation reactions. A. N. Sevchenko and others. Izv. AN SSSR, Ser. fiz. 27 no. 1:41-44 Ja '63.

OXIDATION, PHYSIOLOGICAL

Direct oxidation of potatoes infested by Phytophthora. B. A. Rubin, O. L. Ozeretskovskaya. Biokhim. pl. i oveshch. no. 7:133-147 '62.

Respiration and the conversion of energy in living cells. A. V. Kotelnikova. Priroda 52 no. 1:54-60 '63.

OXIDATION-REDUCTION REACTION

Thermodynamics of the reduction of ferrous chromite by hydrogen. A. N. Morozov, I. A. Novokhatskii. Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl. no. 6:3-6 N-D '62.

Thermodynamics of the reduction reaction of hercynite by carbon oxide. B. G. Lobedev. Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl. no. 6:7-11 N-D '62.

OXIDES

Interaction of aryl- and diarylchlorophosphates with alpha-oxides. I. K. Rubtsova, S. M. Shmer. Plast. massy no. 12:23-24 '62.

Kinetics of oxide solution in molten silicates. P. M. Surygin, L. N. Barina, O. A. Esin. Izv. vyz. ucheb. zav. chern. met. 5 no. 12:5-11 '62.

Polymerization of alpha-oxide compounds; review of literature. M. F. Sorokin, Z. A. Kochnova. Lakokras. mat. i ikh prim. no. 5:89-96 '62.

OXIMES

Ring expansion in the reduction of oximes. V. A. Zagorskii, N. V. Dudyskina. Zhur. ob. khim. 33 no. 1:322-323 '63.

OXONIUM COMPOUNDS

Relation between triethyl oxonium fluoroborate and hydride-ion donors. Z. N. Parnes, N. K. Baranetskaia, D. N. Kursanov. Izv. AN SSSR, Otd. khim. nauk no. 12:2238-2240 D '62.

OXYACETYLENE WELDING see Gas welding and cutting

OXYGEN

Effect of adsorbed oxygen on the oxygen overvoltage and on the dissolution of metals undergoing passivation [with summary in English]. P. M. Nasonov, Zhur. fiz. khim. 36 no. 12:2628-2637 D '62.

Obtaining titanium dioxide by the interaction of titanium tetrachloride with oxygen. B. N. Melent'ev, S. G. Molinov, V. A. Reznichenko. Titan i ego splavy no. 8:114-118 '62.

Rate constants and mechanism of reactions of oxygen atoms with ethylene, propylene, and isobutylene. L. I. Avramenko, R. V. Kolesnikov, G. I. Savinova. Izv. AN SSSR, Otd. khim. nauk no. 1:36-45 '63.

Reproducing the boiling point of oxygen. A. D. Brodskii, I. B. Truleva. Trudy Inst. Kom. stand., mer i izm. prib. no. 51:41-43 '61.

OXYGEN-ANALYSIS

Application of the FEK-M photocolormeter for the determination of microconcentration of oxygen in gases. V. G. Skripka, N. M. Dykhno. Zav. lab. 28 no. 12:1439-1440 '62.

Continuous automatic determination of oxygen in water. V. B. Aleksovskii and others. Zav. lab. 28 no. 12:1440-1442 '62.

Determination of active oxygen in peroxide compounds of cerium [with summary in English]. S. Z. Makarov, L. V. Ladejnova. Zhur. anal. khim. 17 no. 6:743-747 S '62.

OXYGEN-INDUSTRIAL APPLICATIONS

Making 35GS steel in oxygen-blown converters. P. S. Rubinskii, I. I. Enin. Met. i gornorud. prom. no. 5:73-75 S-O '62.

Pilot plant investigation of the blowing of titanium-niobium cast iron. V. A. Reznichenko and others. Titan i ego splavy no. 8:72-85 '62.

Using oxygen in the open-hearth process. K. M. Trubetskoy. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:13-19 '62.

OXYGEN-INDUSTRIAL APPLICATIONS-BIBLIOGRAPHY see Bibliography-Oxygen-Industrial applications

OXYGEN-PHYSIOLOGICAL EFFECT

Oxygen threshold and respiration intensity of young carp and goldfish. I. M. Kotelnikov. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:333-335 '62.

OXYGEN ISOTOPES

Isotope method for studying the mechanism of the electrolytic formation of perchlorate. I. F. Franchuk. Izv. AN SSSR, Otd. khim. nauk no. 1:63-66 '63.

Physicochemical constants of heavy-oxygen water [with summary in English]. O. V. Uvarov, N. M. Sokolov, N. M. Zhavoronkov. Zhur. fiz. khim. 36 no. 12:2699-2705 D '62.

OXYTETRACYCLINE

Use of flour and distilling wash concentrate for the production of feed terramycin. V. B. Fremel', L. S. Losakova, I. U. N. Ustinikova. Spirt. prom. 28 no. 8:25-26 '62.

OYSTERS

Oyster. IUn. nat. no. 12:18 D '62.

OYSTERS, FOSSIL see subdivision under Ashkhabad; Badkhiyz region

OZINKI DISTRICT-GEOLOGY, STRATIGRAPHIC

Mineralogical correlatives and chemical element-indicators of Middle Jurassic sediments in the trans-Volga portion of Saratov Province. B. K. Gortsuev. Izv. vyz. ucheb. zav.; geol. i razv. 5 no. 9:43-48 S '62.

OZOCERITE see subdivision under Cheteken Peninsula

PACIFIC OCEAN

How the Pacific Ocean "was born." V. Dzhoan. Znan. ta pratsia no. 11:19-20 N '62.

PACIFIC OCEAN-AIR

Characteristics of zonal and meridional processes over Eastern Siberia and the adjacent Pacific Ocean. G. G. Gromova. Trudy TSIP no. 110:104-112 '62.

PACKAGE-WRAPPING MACHINES see Wrapping machines

PACKAGING MACHINERY

New machines for combined weighing, packaging and wrapping. F. K. Lisenko. Khar. prom. no. 4:86-92 O-D '62.

PACKING HOUSES-DESIGN AND CONSTRUCTION

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Program of an open competition for the development of standard plans for meat and poultry combines] Programma otkrytogo konkursa na razrabotka tipovykh projektov masokombinatsiy i pitse-kombinata. [Moskva] Pishchepromizdat, 1950. 15 p.

PACKING INDUSTRY see Meat industry

PAINT

Effect of surface-active agents on the characteristics of paint systems. A. A. Trapeznikov, M. A. Chupchev. Lakokras. mat. i ikh prim. no. 5:17-24 '62.

The KhS-119 enamel paint manufactured in a variety of colors. M. S. Sverdlin. Lakokras. mat. i ikh prim. no. 5:80-81 '62.

PAINT-DRYING

Empiric formula for calculating the parameters of the conditions of thermal radiation drying the lacquer coatings. L. L. Pavlovskii. Lakokras. mat. i ikh prim. no. 5:46-49 '62.

Thermal radiation and convection chamber with gas burning in the radiation panels for drying paint coatings. B. I. Matzei', B. TS. Okun'. Lakokras. mat. i ikh prim. no. 5:70-74 '62.

PAINT-TESTING

Weatherometer for rapid testing for light and weather fastness. E. P. Timokhov, M. G. Feiman. Lakokras. mat. i ikh prim. no. 6:85-86 '62.

PAINT INDUSTRY

(see also subdivision under Zagorsk) Some development trends in the field of pigments for the lacquer and paint industry. I. N. Sappir. Lakokras. mat. i ikh prim. no. 5:1-3 '62.

PAINT INDUSTRY-EQUIPMENT AND SUPPLIES

Microcrushing of pigments and fillers with the "Microatomizer" apparatus. V. N. Giotov. Lakokras. mat. i ikh prim. no. 6:57-60 '62.

Prospect of the expansion of production automation in the paint industry. I. U. P. Zolkin, E. B. Maurov. Lakokras. mat. i ikh prim. no. 6:1-2 '62.

PAINT MATERIALS

Answering queries on the application of paint materials. Lakokras. mat. i ikh prim. no. 6:74-75 '62.

New composition of priming materials for wood. I. V. Partya. Bum. i der. prom. no. 4:39 O-D '62.

Synthesis of pentaphthalic resins modified with n-tert-butylbenzoic acid and manufacture of paint materials on their base. V. N. Izumov. Lakokras. mat. i ikh prim. no. 6:3-6 '62.

Use of catalpa oil in the manufacture of alkyd resins and drying oils. M. D. Bodnia and others. Lakokras. mat. i ikh prim. no. 5:78 '62.

PAINT MATERIALS-BIBLIOGRAPHY see Bibliography-Paint materials

PAINT MATERIALS-ELECTRIC PROPERTIES

Determining the electrokinetic potential of the particles of nuclear soles. P. I. Medvedev. Lakokras. mat. i ikh prim. no. 6:50-52 '62.

PAINT SHOPS

Calculation of air exchange in paint shops. L. Z. Mot'kin. Vod. i san. tekhn. no. 12:4 D '62.

PAINTING

Gorba, T. N. [Russian art of the second half of the 16th century] Russkoe iskusstvo vtoroi poloviny XIX veka. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 72 p. illus.

PAINTING, INDUSTRIAL

Answering queries on the application of paint materials. Lakokras. mat. i ikh prim. no. 5:78-80 '62.

Control of the concentration of solvents' vapor in painting manufactured products with the flow coating method. A. G. Shapoval'ants, N. A. Mautliev. Lakokras. mat. i ikh prim. no. 5:44-46 '62.

Oil paint on a freshly plastered surface. I. U. Verrukovskii. Sel'. stroit. no. 12:21 D '62.

Painting rooms with pentaphthalic enamel paints. P. Makhina. Zhil. stroit. no. 2:14-16 '62.

PAINTING, INDUSTRIAL-EQUIPMENT AND SUPPLIES

Semiautomatic line for painting articles in an electrostatic field and heat-radiation drying. A. K. P'ladina and others. Mashinostroenie no. 5:72-73 S-O '62.

PAINTINGS

(see also subdivision under Leningrad)

New acquisitions of the Section of West European Art in the A. S. Pushkin State Museum of Fine Arts. M. Semenko. Soob. GMI no. 1:70-74 '60.

PAINTINGS, GERMAN

Painting by the "Master of Frankfurt" in the A. S. Pushkin State Museum of Fine Arts. M. A. Libman. Soob. GMI no. 1:29-35 '60.

PAINTINGS, MONGOLIAN

[Painting in the Mongolian People's Republic] Zhivopis' Mongol'skoi Narodnoi Respubliki. [Moskva] Izogiz [1960] 10 plates.

PAINTINGS, RUSSIAN

Evening devoted to the topic "D. I. Mendeleev and Russian painting." G. N. Osokina. Khim. v shkole 17 no. 4:60-75 N-D '62.

PALEOBOTANY

(see also subdivision under Azerbaijan)

Boundary between the Quaternary and Tertiary systems in the light of paleobotanical data. V. P. Grichuk. Trudy Kom. chetv. per. 26:55-66 '62.

PALEOBOTANY, QUATERNARY see subdivision under Kazakhstan

PALEOBOTANY, STRATIGRAPHIC

(see also subdivision under Zhitomir Province)

Mystery of salt layers. T. Chystakova. Nauka i zhytlin 12 no. 8:34-36 S '62.

PALEOCLIMATOLOGY see subdivision under Azerbaijan

PALEOGEOGRAPHY

(see also subdivision under Asia; Mezen' Valley) Boundary of the maximum expansion of the recent ice cap and some problems of the stratigraphy and paleogeography of the Upper Pleistocene in the northwestern area of the European part of the U. S. S. R. N. S. Chebotareva. Trudy Kom. chetv. per. 19:148-169

PALEONTOLOGY

Bodylevskii, V. I. [Small atlas of guide fossils] Malyi atlas rukovodivshchikh iskopayemykh. 3., perer. i dop. izd. Leningrad, Gostoptekhizdat, 1962. 255 p.

Drushchits, V. V., and O. P. Obrucheva. [Paleontology] Paleontologiya. Pod red. I. A. Orlova. [Moskva] Izd-vo Mosk. univ., 1962. 378 p.

When stones talk. E. A. Geevskaya. Priroda 52 no. 1: 85-89 '63.

PALEONTOLOGY-PICTORIAL WORKS

Picture of a mammoth in a cheap popular print. S. A. Klepkov, R. F. Gekker. Paleont. zhur. no. 4:124-126 '62.

PALEONTOLOGY, STRATIGRAPHIC

(see also subdivision under Russia, Northwestern)

Methodological errors in applying the paleontologic method in geology. V. G. Kamyshova-Elpat'evskaya. Uch. zap. SGU 65:5-11 '60.

Problem of the origin of the early Cambrian fauna. A. A. Shevryev. Paleont. zhur. no. 4:43-57 '62.

PALEVITSA REGION—LUMBERING—MACHINERY
Repair and breakage preventing service at a lumbering station. A. Vetoshkin. *Lea.prom.* 40 no. 12:28 D '62.

PALLADA (FRIGATE)
The frigate "Pallada." *Voen.znan.* 39 no. 1:38 Ja '63.

PALLADIUM SALTS
Catalytic oxidation of ethylene in the presence of aqueous solutions of palladium salts. K. I. Matveev and others. *Kin.i.kat.* 3 no. 5:661-673 S-O '62.

PALMS—DISEASES AND PESTS
Cause of the disease of apical palm leaves in greenhouses [with summary in English]. A. E. Protsenko, E. P. Protsenko. *Izv. AN SSSR, Ser. biol.* no. 6:909-914 N-D '62.

PALYNOLOGY
(see also subdivision under Mugodzhur Hills; Smolno Lake region; Tien Shan; Ukraine; White Russia)
Palynological data on the volume and lower boundary of the Quaternary. E. N. Ananova. *Trudy Kom.cheiv. per.* 20:67-84 '62.

PAMIR LANGUAGES—DIALECTS see subdivision under *Sindang-Ulgur* Autonomous region

PAMIRS—BARLEY
Cultivation of barley in the eastern Pamirs. O. N. Sorokina. *Trudy Bot. inst. AN Tadzh. SSR* 18:314-333 '62.

PAMIRS—GRASSES
Biology and growth of meadow plants in the Pamirs. A. P. Steshenko. *Trudy Bot. inst. AN Tadzh. SSR* 18:141-173 '62.
Carbohydrate and nitrogen metabolism in the meadow plants of the Pamirs. H. M. Reimus. *Trudy Bot. inst. AN Tadzh. SSR* 18:202-233 '62.

PAMIRS—PHOTOSYNTHESIS
Photosynthesis in plants of the upper part of the alpine belt in the eastern Pamirs [with summary in English]. T. A. Glagoleva. *Bot. zhur.* 47 no. 11:1567-1581 N '62.

PAMIRS—PLANT PHYSIOLOGY
Physiological characteristics of plants in the Pamirs. M. M. Thirina. *Trudy Bot. inst. AN Tadzh. SSR* 18:334-352 '62.

PAMIRS—PLANTS—WATER REQUIREMENTS
Water balance of soils and plants in alpine meadows. V. M. Sveshnikova. *Trudy Bot. inst. AN Tadzh. SSR* 18:234-257 '62.

PAMIRS—PRIMROSES
Biology and the life cycle of primroses (*Primula* L.) of the Pamirs as related to their age. A. P. Steshenko. *Trudy Bot. inst. AN Tadzh. SSR* 18:172-201 '62.

PAMIRS—SOIL MOISTURE
Water balance of soils and plants in alpine meadows. V. M. Sveshnikova. *Trudy Bot. inst. AN Tadzh. SSR* 18:234-257 '62.

PANAMA—FOREIGN RELATIONS—UNITED STATES
Latin America today: Panama. *Mezhdunar. zhizn!* 10 no. 3:152-164 Mr '63.

PANAMA—NEGROES
Negro folklore in Panama. Felicia Santizo. *Zhen. mira* no. 4:28-29 '62.

PANCREAS
Dependence of the cellular composition and structure of the insular apparatus of the pancreas on the state of thyroid function [with summary in English]. A. S. Breslavskii, V. M. Gordienko. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:32-36 '61.
Reaction of the insular apparatus of the pancreas to irradiation with X rays [with summary in English]. A. S. Breslavskii, V. V. Tsvetkova. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:196-201 '61.
Role of insufficiency of the insular apparatus of the pancreas in a change in blood pressure level [with summary in English]. S. G. Genes and others. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:181-186 '61.

PANCREAS—SECRETIONS
Obtaining pure pancreatic juice from young pigs. H. D. Sviatovets. *Nauk. pratsi asp. UASIN* no. 5:166-169 '60.

PANCREAS—SURGERY
Role of insulin in glycolytic processes in the brain tissue of depancreatized and healthy dogs [with summary in English]. P. M. Charnina. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:134-140 '61.

PANTICAPAEUM—ANTIQUITIES
Founding mold from the late 6th century B. C. from Panticapaeum. I. D. Marchenko. *Krat. soob. Inst. arkheol.* no. 89:51-53 '62.

PANTICAPAEUM—SCULPTURE, GREEK
Three marble sculptures from Panticapaeum. N. M. Loseva. *Soob. GMI* [no. 1]:5-8 '60.

PANTOGRAPH
Conducting a geometry lesson in a factory workshop. D. G. Butko. *Mat. v shkole* no. 6:30-31 N-D '62.

PAPER
Automatic ultrasonic device for measuring the concentration of the groundwood. M. G. Boguslavskii, V. P. Petrov. *Trudy VNIIB* no. 47:132-150 '61.
Scientific and technical conference on the production of condenser paper. Z. I. A. Smolianina. *Bum. i der. prom.* no. 4:55 O-D '62.
Semichemical woodpulp for the manufacture of corrugated container board and the protein yeast. N. A. Rozenberger. *Bum. prom.* 37 no. 12:26-29 D '62.

PAPER—DRYING
Rapid method of drying paper (from "Pulp and Paper International," 1962; "Canadian Pulp and Paper Industry," 1962). A. I. Saf'ian. *Bum. i der. prom.* no. 4:50 O-D '62.

PAPER—TESTING
Inspection of the structure of paper. G. A. Kundzich, L. M. Vaisman, M. G. Zait'aman. *Bum. i der. prom.* no. 4:14-20 O-D '62.
New method of establishing moisture equilibrium of paper. B. N. Urmanov. *Trudy VNIIB* no. 47:103-111 '61.

PAPER ELECTROPHORESIS
Electrophoretic study of the protein fractions of serum in the paratyphoid fever of calves. S. I. Tagizade. *Trudy Azer. nauch.-issl. vet. inst.* 13:65-68 '62.

PAPER INDUSTRY
(see also subdivision under Georgia; Krasnokamsk)
Achievements of 1962. *Bum. prom.* 37 no. 12:2 of insert D '62.
Does paper need superfluous grams? M. I. Abiokov. *Sov. pech.* no. 1:52-53 Ja '63.
Woodpulp from aspen and its processing in papermaking. V. G. Nolegkova. *Bum. prom.* 37 no. 12:17-18 D '62.

PAPER INDUSTRY—BIBLIOGRAPHY see Bibliography—Paper Industry

PAPER WORK
Christmas tree toys. I. U. Bugel'skii. *Doshk. vosp.* 35 no. 10:114-120 O '62.
"Panel house." P. V. Bernikov. *Doshk. vosp.* 35 no. 9:123 S '62.
Voelkova, I. S. [Staging a children's carnival; decorations and costumes] *Detiam dlia karnavala*. Moskva, Sovetskaya Rossiya, 1958, 36 p. (Biblioteka sel'skogo klubnogo rabotnika)

PAPERBOARD
Determining sodium pentachlorophenolate content of paperboard by means of the conductometric titration of the chlorine ion. T. L. Volina. *Trudy VNIIB* no. 47:112-121 '61.

PAPERMAKING MACHINERY
The new life of an old machine. A. M. Shakh. *Bum. prom.* 37 no. 12:30-31 D '62.

PAPERMAKING MACHINERY—ELECTRIC DRIVING
How to select and order electric driving systems. V. I. Zil'berfarb. *Bum. prom.* 37 no. 12:31-32 D '62.
Stabilization of the speed regulation system of a motor with an electronic amplifier. I. E. V'ukov. *Trudy VNIIB* no. 47:122-131 '61.

PARACHUTING
From blue altitudes. A. Vinokurov. *Kryl. rod.* 14 no. 1:10-11 Ja '63.
A girl from Orel. S. Perekalin. *Kryl. rod.* 14 no. 1:19 Ja '63.
Parachute canopies above collective farms. I. U. Zelt'venskii. *Kryl. rod.* 14 no. 1:8-9 Ja '63.
Perception of altitude. V. Glushchenko. *Kryl. rod.* 14 no. 1:4 Ja '63.
Sveta Annicheva is in the air. I. Zharkovskii. *Kryl. rod.* 14 no. 1:18 Ja '63.
Under a silk cupola. P. Bad'in. *NTO* 4 no. 12:56-57 D '62.
With feet together or feet apart? I. Starchak. *Kryl. rod.* 14 no. 1:17-18 Ja '63.

PARAFFIN WAX
Determination of the paraffin wax content of petroleum products. A. P. Litogub, V. T. Skhar, S. I. Krasnova. *Nauch. zap. Ukr. inzh. tekhn.* no. 8:18-22 '62.

PARAFFIN WAX—SPECTRA
Infrared spectra of solid petroleum paraffins. A. N. Guseva, L. D. Ashkinadze, I. E. Leifman. *Neftekhimika* 2 no. 5:662-665 S-O '62.

PARAFFINS
(see also subdivision under Drogobych)
Addition of nitroalkanes to chloromethylvinyl ketone. S. S. Novikov, I. S. Korsakova, N. N. Bulatova. *Izv. vyz. ucheb. zav. khim. i khim. tekhn.* 5 no. 6:753-755 '62.
Isotherms and differential heats of adsorption of some alkanes and naphthenes on silica gel. A. V. Kiselev, B. A. Protov. *Kin. i kat.* 3 no. 5:787-773 S-O '62.

Separation of urea complexes with n-alkanes. V. A. Nekrasova, N. I. Shulkin. *Izv. AN SSSR, Otd. khim. nauk* no. 1:186-187 '63.

PARAFFINS—SPECTRA
Characteristics of paraffin wax based on infrared absorption spectra in the 700 cm⁻¹ region. A. N. Guseva, L. D. Ashkinadze, I. E. Leifman. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:104-107 Ja '63.
Structure of salts of 1,1-dinitroalkanes and trinitromethane studied by spectral methods. V. I. Slovetskii and others. *Izv. AN SSSR, Otd. khim. nauk* no. 1:57-63 '63.

PARALYSIS, FACIAL
Case of serous meningitis and paralysis of the right facial nerve on the peripheral type in acute leukosis. E. N. Pollakova, N. G. Zernov. *Vop. okh. mat. i det.* 7 no. 9:89-90 S '62.

PARAMAGNETIC RESONANCE AND RELAXATION
Analysis of the structure of certain chelate compounds by the electron paramagnetic resonance method. B. V. Lokabin and others. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:75-77 Ja '63.
Antiferromagnetism of free radicals [with summary in English]. A. M. Prokhorov, V. B. Fedorov. *Zhur. eksp. i teor. fiz.* 43 no. 6:2105-2109 D '62.
Effect of uniform strain on the paramagnetic resonance spectrum. N. G. Koloskova. *Fiz. tver. tela* 5 no. 1:61-65 Ja '63.
"Electron paramagnetic resonance" by S. A. Altshuler, B. M. Koz'yev. Reviewed by N. D. Sokolov. *Usp. fiz. nauk* 78 no. 1:165-166 Ja '63.
Electron paramagnetic resonance spectra of γ-irradiated multiple-bond compounds. V. I. Smirnova, D. N. Shigorin, T. S. Zhuravleva. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:78-80 Ja '63.
Electron paramagnetic resonance spectra of some new radicals. A. L. Buchachenko. *Opt. i spekt.* 13 no. 6:795-800 '62.
Electron paramagnetic resonance spectrometer. V. B. Lebedev. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:68-75 Ja '63.
Interpretation of paramagnetic resonance spectra in crystals. B. I. Tsukerman, M. A. Vinetskaya. *Fiz. tver. tela* 5 no. 1:129-136 Ja '63.
Light-induced electron paramagnetic resonance signals in chlorophyll in the crystalline state and its infrared spectra. V. E. Kholmogorov, A. N. Sidorov, A. N. Terent'ev. *Dokl. AN SSSR* 147 no. 4:954-957 D '62.
Mechanism underlying paramagnetic spin-lattice relaxation in ionic crystals at low temperatures. S. A. Altshuler. *Zhur. eksp. i teor. fiz.* 43 no. 6:2318-2319 D '62.
Paramagnetic absorption in parallel fields in chromoalums and Tutton's salt of manganese. V. A. Kutuzov. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:81-82 Ja '63.
Role of electric fields in paramagnetic resonance. A. B. Reitsin. *Fiz. tver. tela* 5 no. 1:151-157 Ja '63.
Spin-lattice relaxation of Yb³⁺ in CdF₂. P. P. Pashinin, A. M. Prokhorov. *Fiz. tver. tela* 5 no. 1:350-360 Ja '63.

PARASITES—BUFFALOES see subdivision under Azerbaijan

PARASITES—DUCKS see subdivision under Azerbaijan

PARASITES—FIELD MICE see subdivision under Makatsky District

PARASITES—GEESE see subdivision under Ukraine

PARASITES—GOATS see subdivision under Kel'badzhar District; Nakhichevan A. S. S. R.

PARASITES—MOTHS
Mermithization of the caterpillars of the moth *Mamestra oleracea* L. in the floodplain oak forests of the Khoper Preserve. A. K. Artyukhovskii, V. P. Negrobov. *Trudy Khop. gos. zap.* no. 3:268-270 '50.

PARASITES—PLANT LIFE see subdivision under Crimea

PARASITES—RODENTIA see subdivision under Byalovozhskaya Pushcha; White Russia

PARASITES—SCALE INSECTS see subdivision under Leningrad Province

PARASITES—SHEEP see subdivision under Azerbaijan; Kel'badzhar District; Nakhichevan A. S. S. R.

PARASITES—WATER BIRDS see subdivision under Azerbaijan

PARASITES—ZEBUS see subdivision under Azerbaijan

PARASITOLOGY
Dogel', V. A. [General parasitology] *Obshchaya parazitologiya*. Perer. i dop. I. I. Polianskii i E. M. Kholist'nyim. [Leningrad] Izd-vo Leningr. univ., 1962, 483 p.
Berglev, P. G., and others, eds. [Problems of general zoology and medical parasitology] *Voprosy obshchei zoologii i meditsinskoi parazitologii*. Moskva, Medgiz, 1962, 610 p. (DNLM)

PARASHUK, OSTAP STEPANOVYCH

Poetry of mathematics. M. Kilmov. Nauka i zhytla 12 no. 1:32-33 N '62.

PARATYPHOID FEVER

Electrophoretic study of the protein fractions of serum in the paratyphoid fever of calves. S. I. Tagizade. Trudy Azor. nauch.-issl. vet. inst. 13:95-98 '62.

PARCHMENT

Effect of the degree of woodpulp grinding and of the various processes on the quality of the parchment. P. I. Korchemkin. Trudy VNIIB no. 47:86-94 '61.

PARENT AND CHILD

Father as educator. M. Vitkup. Doshk. vosp. 35 no. 10: 55-56 O '62.

Good feeling. Sem'ia i shkola 18 no. 1:1 Ja '63. "I am sorry for my sisters..." Tania K. Sem'ia i shkola 18 no. 1:22-23 Ja '63.

I feel pity for you, but... Alena Karmalitava. Rab. i stal. 38 no. 12:15-16 D '62.

Kovaleva, L. E. [Fathers and children] Ottsy i deti. Moskva, Izd-vo "Znanie," 1963. 38 p. (Novoe v zhizni, nauke, tekhnike. XI Seriya: Pedagogika, no. 1)

Last road. N. Likhacheva, M. Mironov. Sem'ia i shkola 17 no. 9:41-43 S '62.

"Parents and children." Reviewed by G. Prozorov. Sem'ia i shkola 17 no. 9:44-45 S '62.

Survey of editor's mail. Sem'ia i shkola 18 no. 1:22-23 Ja '63.

We take walks. A. I. Gankin. Doshk. vosp. 35 no. 9: 89-92 S '62.

PARENT AND CHILD (LAW)

Masevich, M. G. [The rights and obligations of parents and children] Prava i obiazannosti roditel' i detei. Moskva, Gosizdat, 1962. 68 p.

The rights of parents. A. Pergament. Sov. iust. no. 21: 6-7 N '62.

PARIS—CHILDREN AS ARTISTS—EXHIBITIONS

The world in fantastic colors. Emanuel Zoranski. Zhen. mira no. 5:11-14 '62.

PARIS—DESCRIPTION

Paris winter (to be continued). V. Goncharov. Nov. vrem. 20 no. 3:25-27 Ja '63.

PARIS—YOUTH

On the grand boulevards in a united line. Henri Martin. Mol. mira no. 11:12:13, 20 '61.

PARNU—KARTING

Fascinating initiative. A. Borisov. Za rul. 21 no. 1: 2 Ja '63.

PART-TIME FARMING

(see also subdivision under Saraya Sinyava; Voronezh Province)

Let's carry out the resolutions of the March Plenum of the Central Committee of the CPSU. A. Dubov. Sots. obesp. 23 no. 11:43-44 N '62.

Questions and answers. Sots. obesp. 23 no. 12:55-56 D '62.

PARTICLE ACCELERATORS

Accelerator physics. V. I. Kotov, V. A. Piatukhov. Dos. such. fiz. no. 6:174-183 '62.

Coherent principle of acceleration of charged particles. V. I. Veksler. Dos. such. fiz. no. 6:184-188 '62.

Conference on the use of charged particle accelerators in radiation chemistry. E. V. Egorov, M. I. A. Kaplunov. Atom. energ. 14 no. 2:222-224 F '63.

Designing linear accelerators for industrial use. O. A. Val'dner, A. A. Glaskov. Atom. energ. 14 no. 2:224-225 F '63.

Energy and phase characteristics of a linear electron accelerator with a wave propagation phase velocity equal to the velocity of light [with summary in English]. I. F. Kharchenko, I. O. Grishalev, O. M. Nekrashevich. Ukr. fiz. zhur. 7 no. 10:1051-1061 O '62.

PARTICLE SIZE DETERMINATION

Particle shape and dimensions of colloidal solutions of cellulose esters [with summary in English]. V. I. Klenin, I. D. Rybakova, S. A. Glikman. Koll. zhur. 24 no. 6:696-701 N-D '62.

Using the turbidimetric method for the dispersion analysis of titanium dioxide. I. U. D. Dalmatov. Lakokrass. mat. i kh. prim. no. 5:52-55 '62.

PARTICLE TRACK PHOTOGRAPHY

see Photography, Particle track

PARTICLES (NUCLEAR PHYSICS)

Antiparticles [translated from the Italian]. E. Amaldi. Usp. fiz. nauk 78 no. 3:490-523 N '62.

Asymptotic equality of the total cross sections of a particle and an antiparticle [with summary in English]. N. N. Meiman. Zhur. eksp. i teor. fiz. 43 no. 6:2277-2280 D '62.

Charged particle fluxes in an electromagnetic field. I. U. P. Pyt'ev. Zhur. vych. mat. i mat. fiz. 2 no. 5:850-857 S-O '62.

Charged particles in the upper atmosphere. A. Dal'garno. Usp. fiz. nauk 79 no. 1:118-152 Ja '63.

Experiment. I. Mironov. Znan. sifa 37 no. 10:21-23 O '62.

Invariant group solutions to the equations of a laminar stationary beam of charged particles. V. A. Syrovoi. PMTF no. 4:10-20 Ji-Ag '62.

On Van Hove's theory of "dressed" particles. I. U. L. Mentkova'kyi. Ukr. fiz. zhur. 7 no. 5:565-568 My '62.

Problems concerning elementary particles. I. E. Tamm. Dos. such. fiz. no. 6:81-93 '62.

Window to the antiworld (to be continued). IE. Parnov, IE. Hlushchenko. Nauka i zhytla 12 no. 9:28-30 S '62.

Window to the antiworld (to be continued). IE. Parnov, IE. Hlushchenko. Nauka i zhytla 12 no. 10:14-16 O '62.

Window to the antiworld (to be concluded). IE. Parnov, IE. Hlushchenko. Nauka i zhytla 12 no. 11:18-19 N '62.

Window to the antiworld (to be concluded). IE. Parnov, IE. Hlushchenko. Nauka i zhytla 12 no. 11:18-19 N '62.

PARTRIDGES

Notes of a naturalist. V. Samsonov, Iurii Aleksandrov. Iun. nat. no. 12:36-37 D '62.

PASCAL, BLAISE, 1623-1662

Blaise Pascal. G. I. Ignatsius. Nauka i zhizn' 29 no. 11: 32-33 N '62.

PASSIVATION

Effect of adsorbed oxygen on the oxygen overvoltage and on the dissolution of metals undergoing passivation [with summary in English]. P. M. Nasonov. Zhur. fiz. khim. 36 no. 12:2628-2637 D '62.

Passivity and intercrystallite corrosion of stainless steel in nitric acid [with summary in English]. I. K. Burtseva, V. D. Pitasunov, A. I. Krasil'shchikov. Zhur. fiz. khim. 36 no. 12:2607-2622 D '62.

PASTURE RESEARCH

see subdivision under Irkutsk Province

PASTURES AND MEADOWS

(see also subdivision under Ivdel' region; Kzyl-Orda Province; Ob' Valley; Pyshma Valley; Yenisey Valley)

Effect of the state of pasture grass stands on the course of infectious enterotoxemia of sheep in Alma-Ata Province. G. I. Lopatinikov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 3:37-40 Mr '62.

"Hayfields and pastures" by E. Klapp [translated from the German]. Reviewed by A. V. Andreev. Vest. sel'khoz. nauki 7 no. 5:154-155 My '62.

Solov'ev, N. G. [Problems for laboratory studies in the cultivation of meadows] Sbornik zadaniy k laboratornym zaniatiyam po lugovodstvu. Moskva, Timiriazovskaya sel'skokhozyaistvennaya akad., 1956. 60 p. (DNAL)

PASTURES AND MEADOWS—FERTILIZERS AND MANURES

(see also subdivision under Vladimir Province; West Kazakhstan Province)

Supplementary nitrogen fertilizers for cultivated pastures. V. P. Mel'nichuk. Zemledelie 24 no. 12:54-58 D '62.

PATENT LICENSES

International significance of patent licenses. I. Eminescu. Izv. vyz. ucheb. zav. prav. 6 no. 4:132-137 '62.

Ivanov, I. D., and I. A. Sergeev. [Patents and licenses in the international capitalist trade] Patenty i litsenzii v mezhdunarodnoi kapitalisticheskoi trgovoe. Moskva, Vneshtorgizdat, 1962. 90 p.

PATENTS (INTERNATIONAL LAW)

International significance of patent licenses. I. Eminescu. Izv. vyz. ucheb. zav. prav. 6 no. 4:132-137 '62.

PATHOGENIC FUNGI

see Fungi, Pathogenic

PATHOLOGY, EXPERIMENTAL

"Spontaneous" diseases in monkeys and the prospects for using them as models for the most important human diseases. D. A. Lapin. Vest. AMN SSSR 17 no. 11:82-89 '62.

PATRIOTISM

Kalits, Johannes. [Socialist patriotism and internationalism] Sotsialisticheskii patriotizm i internatsionalizm. Tallinn, Eesti Riiklik Kirjastus, 1962. 50 p. (Eesti NSV Poliitilise ja Teaduslaste Teadmiste Levitamise Uhing, no. 309) [In Estonian]

Train soldiers and sailors in the revolutionary and battle traditions. V. Korneev. Komm. Vooruzh. Sil 3 no. 1:65-70 Ja '63.

The unity of socialist patriotism and proletarian internationalism. N. Grakov, A. Malashko. Komm. Bel. 36 no. 12:31-35 D '62.

V. I. Lenin's views on the defense of the socialist fatherland. A. A. Protopopov. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:73-87 '60.

PAVEMENTS

(see also subdivision under Russia, Northwestern)

Morozov, S. I., and L. E. Sayin. [New types of pavements for forest roads] Novye tipy pokrytiy avtomobil'nykh dorog v lesu. Moskva, Goslesbunizdat, 1962. 76 p. (Nastoiachivo vnedriat' peredovoi opyt v proizvodstvo)

Poel', V. I. [Handbook on accident prevention for the paver in road work] Pamiatka po tekhnike bezopasnosti dlia mostovshchika na dorozhnykh rabotakh. Moskva, Gosstroizdat, 1962. 14 p. (Tekhnika bezopasnosti v stroitel'stve)

PAVLODAR—INDUSTRIES

What conclusion did we draw. A. Derevianko. Nar. khoz. Kazakh. 20 no. 10:15-17 O '62.

PAVLODAR PROVINCE—GROUND BEETLES

Damage done to wheat by the millet beetle Pardilius calceatus Duft. in Pavlodar Province. O. F. Fedosimov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 3:16-18 Mr '62.

PAVLODAR PROVINCE—WHEAT—DISEASES AND PESTS

Damage done to wheat by the millet beetle Pardilius calceatus Duft. in Pavlodar Province. O. F. Fedosimov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 3:16-18 Mr '62.

PAVLOV, MIKHAIL ALEKSANDROVICH, 1863-

Academician M. A. Pavlov, outstanding scientist-metal-lurgist. M. Ostroukhov. Metallurg 8 no. 1:33-34 Ja '63.

PAY-KHOY—GEOLOGY, STRATIGRAPHIC

Relief and the Quaternary sediments in the southwestern slope of the Pay-Khoy. I. D. Danilov. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:56-62 N-D '62.

PAYMENT

(see also subdivision under Odessa Province)

Clearing payment bureaus attached to construction trusts and business accounting. V. Mozhanov, A. Raikher. Den. i kred. 20 no. 12:63-67 D '62.

Experience with payment for a finished house. V. A. Kochnev. Stroi. i arkh. Len. 25 no. 1:20 Ja '63.

A progressive form of payment. Z. Milovidova. Fin. SSSR 23 no. 12:35-36 D '62.

PEA TREE—DISEASES AND PESTS

see subdivision under Soviet Far East

PEA WEEVIL

"Pea weevil" by Z. V. Ivanova. Reviewed by A. V. Danilevko. Zashch. rast. ot vred. i bol. 5 no. 3:58 Mr '60.

PEACE

(see also subdivision under Baltic region)

Declaration of the Christian Peace Conference in connection with Cuba's blockade. Zhur. Mosk. Patr. no. 11:8 N '62.

Letters to the editor. Vsem. stud. nov. 16 no. 4:23 Ap '62.

Moscow session of the working committee of the Christian Peace Conference. N. Ivanov. Zhur. Mosk. Patr. no. 11:43-54 N '62.

The most important thing. Sovremennik. Nov. vrem. 20 no. 2:1-3 Ja '63.

Peace is the most important condition for the development of culture. A. Arnol'dov. Otv. na vop. trud. no. 8:2-9 Ag '62.

To my friend and contemporary! Aleksandr Poroshchuk. Vsem. stud. nov. 16 no. 4:2-3 Ap '62.

Very blessed Theodosius VI, Patriarch of Antioch and all the East, on peace and disarmament. P. Petros. Zhur. Mosk. Patr. no. 11:69 N '62.

Voice of Russian Orthodox Church in the defense of peace on earth (addresses of His Holiness Patriarch Aleksii and His Eminence Archbishop Nikodim). Zhur. Mosk. Patr. no. 11:5-7 N '62.

PEACE—CONGRESSES

Ten thousand in Tokio. Ross. Iasovich. Zhen. mira no. 11:6-7 '62.

PEACE AND WOMEN

see Women and peace

PEACE TREATIES

see subdivision under Germany

PEAR

Heterogeneity of pear buds as related to their origin. N. I. Turovisev. Agrobiologiya no. 6:854-860 N-D '62.

PEAR—DISEASES AND PESTS

Effective measures in controlling pear pests. P. A. Esipenko. Zashch. rast. ot vred. i bol. 5 no. 10:28 O '60.

PEAR BREEDING

Effect of weather conditions, methods of castration, and pollination time on the quantity of ovaries, fruit, and seeds in apples and pears. M. I. Lazakov. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:101-104 '62.

PEARLITE

Determination of the value of the heat effect of pearlite transformation with the aid of a differential dilatometer. F. K. Tkachenko. Zav. lab. 28 no. 12:1472-1473 '62.

PEAS

(see also subdivision under Kazakhstan; Pukhovichi District; Virgin Territory)

Effect of the storage time of pollen of some species of the nightshade family and peas on its germination. L. I. Orel. Trudy po prikl. bot., gen. i sel. 31 no. 2: 145-149 '57.

Nitrogen composition of bleeding sap in pea plants bacterized with strains of nodule bacteria of various effectivity [with summary in English]. V. K. Shil'nikova. Izv. AN SSSR, Ser. biol. no. 6:840-844 N-D '62.

Peas as grain and feed. V. M. Kavun, G. V. Zadnepriyans. Zemledelie 24 no. 12:38-41 D '62.

Peas in row crop rotations. I. Kaenz. Zemledelie 24 no. 12:42-44 D '62.

Wintering peas. Zemledelie 24 no. 12:37-39 D '62.

PEASANT UPRISINGS

(see also subdivision under China)

"The Russian peasant movement from 1881 to 1889; source materials." Reviewed by D. P. Poida. Vop. ist. 38 no. 1:119-121 Ja '63.

PEASANTRY

(see also subdivision under Amur Valley)

Kuznetsov, B. P. [Faithful defenders of the interests of peasant masses] Vornye zashchitniki interesov krest'ianskikh mass. Moskva, Gospolitizdat, 1962, 76 p.

Struggle of the Moscow Party organization for agricultural development at the end of the reconstruction period, 1924-1925. E. I. Rakova. Dokl. TSKhA no. 75: 365-373 '62.

PEAT

Ammonia nitrogen content of peat manures [with summaries in English, German, and French]. L. A. Gorskikov, S. G. Kocher. Vest. sel'khoz. nauk 7 no. 10: 18-20 O '62.

β -Sterosterol from peat wax. P. I. Bel'kevich and others. Izv. AN SSSR, Old. khim. nauk no. 1:112-115 '63.

"Briquetting peat" by M. G. Bulyanko, V. N. Ivanov, M. I. Sarnatov. Reviewed by G. B. Froishteter. Torf. prom. 39 no. 8:36-37 '62.

Is it dead capital? No! L. Khrystieva. Nauka i zhytla 12 no. 10:25-26 O '62.

Possibilities for increasing the production of local fertilizers. I. Kh. Teregulov. Zemledelie 24 no. 11: 55-60 N '62.

Some characteristics of cut peat as litter material. T. S. I. Minkina, G. V. Golgofskaya, T. G. Butuzkina. Torf. prom. 39 no. 8:22-24 '62.

Testing the elastic parameters of peat briquets by the pulse ultrasonic method. M. P. Volarovich, E. P. Kovalevskii. Torf. prom. 39 no. 8:14-16 '62.

"Theoretical principles underlying the process of briquetting peat" by V. M. Naumovich. Reviewed by V. G. Bulychev, M. G. Bulyanko. Torf. prom. 39 no. 8:35 '62.

PEAT—BIBLIOGRAPHY see Bibliography—Peat

PEAT—DRYING

Effect of high temperatures on peat insulating boards in the process of drying. B. S. Krylov. Torf. prom. 39 no. 8:19-21 '62.

Temperature of dried peat as the initial parameter for the automation of the drying process. A. P. Aleshin. Torf. prom. 39 no. 8:13-14 '62.

PEAT—TESTING

A new method for complex determination of the coefficients of heat transfer and mass transfer and of the criterion of phase transformation. N. I. Gamalunov. Teplo- i massoper. 1:86-93 '62.

PEAT—THERMAL PROPERTIES

A new method for complex determination of the coefficients of heat transfer and mass transfer and of the criterion of phase transformation. N. I. Gamalunov. Teplo- i massoper. 1:86-93 '62.

PEAT BOGS see subdivision under Igarka region; Salokhard region

PEAT INDUSTRY

"Economics of the peat industry." Reviewed by N. E. Rogozin, A. P. Anchenko. Torf. prom. 39 no. 8:33-34 '62.

The November Plenum of the Central Committee of the CPSU and tasks of the peat industry. Torf. prom. 39 no. 8:1-2 '62.

PEAT MACHINERY

Exchange of practices among enterprises of the economic councils. A. V. Makov and others. Torf. prom. 39 no. 8:26-27 '62.

In the Fuel and Power Section of the Technological and Economical Council of the Moscow Province Economic Council. V. V. Beresnevich. Torf. prom. 39 no. 8: 28-31 '62.

The MFG-1, 7 machine. S. F. Maslov. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 12:22-23 '62.

Possibilities of increasing the operating efficiency of peat machines. G. P. Sapun, N. V. Golubeva. Torf. prom. 39 no. 8:3-4 '62.

Work practices in increasing the economic effectiveness of over-all mechanization. E. N. Lempert. Torf. prom. 39 no. 8:5-7 '62.

PEAT SOILS see subdivision under Yakhroma Valley

PEBBLES see subdivision under Pechora Basin

PECHORA BASIN—PEBBLES

On the facies of sandstone and pebble deposits of the coal-bearing formation of the Pechora Basin. L. L. Khaitser. Dokl. AN SSSR 147 no. 4:912-915 D '62.

PECHORA BASIN—SANDSTONE

On the facies of sandstone and pebble deposits of the coal-bearing formation of the Pechora Basin. L. L. Khaitser. Dokl. AN SSSR 147 no. 4:912-915 D '62.

PECTIC SUBSTANCES

Role of pectolytic enzymes and oxidizing processes in the conversions of pectic substances in watermelons. A. V. Mel'nik, V. V. Arasimovich. Biokhim. pl. i ovoshch. no. 7:207-217 '62.

PECTIN

Intrinsic viscosity of pectin [with summary in English]. I. G. Shchupstova and others. Vysokom. soed. 5 no. 1: 135-139 Ja '63.

PECTINASE

Role of pectolytic enzymes secreted by fungi in plant pathogenesis. M. N. Talieva, I. U. M. Plotnikova. Blul. Glav. bot. sada no. 47:53-62 '62.

PECTINIBRANCHIATA see subdivision under White Sea

PEDIATRICIANS see subdivision under Saratov Province

PEDIATRICS

(see also subdivision under Gorkiy; Moscow Province)

Medical services for children in a rural medical center in Pyzholsky, Kalarash District. B. V. Kharibava, Zdravookhranenie 5 no. 3:50-52 My-Je '62.

Organization of medical services for children in the village of Kremenchug, Tiraspol' District. E. E. TSaran, Zdravookhranenie 5 no. 3:53-54 My-Je '62.

Some current problems in the hematology of childhood. A. F. Tur, Vop. okh. mat. i det. 7 no. 9:3-7 S '62.

PEDIATRICS—STUDY AND TEACHING

Work of preparing scientific pediatric personnel. V. P. Spirina, A. P. Chernikova. Vop. okh. mat. i det. 7 no. 9:67-71 S '62.

PEGMATITES

(see also subdivision under Altai Mountains; Asia; Il'mon Mountains; Lovozero Tundra; Murmansk Province; Siberia; Ural Mountains; Vyshnevyye Mountains; White Sea region; Yakutia)

Catapleite and hydrocatapleite of alkaline pegmatites. E. I. Semenov, I. P. Tikhonov. Trudy IMGRE no. 8: 88-93 '62.

Processes of replacement in rare-metal granite pegmatites. I. U. S. Slepnev. Trudy IMGRE no. 8:133-146 '62.

Varieties of pyrochlore and betafite in pegmatites. A. P. Kalita, A. V. Bykova, M. V. Kukharchik. Trudy IMGRE no. 8:201-211 '62.

Zoning in rare-metal granite pegmatites. N. A. Solodov. Trudy IMGRE no. 8:20-24 '62.

PELCHI—FISH CULTURE

Results of experiments in organizing the food supply for young salmon in ponds with low water temperature. M. M. Isakova-Keo. Trudy PBI no. 10:136-148 '62.

PENICILLIN

Photocolorimetric determination of phenoxymethylpenicillin (penicillin V). A. F. Fursov. Apt. delo 12 no. 3:63-66 My-Je '62.

PENMANSIIP

Let's write correctly, beautifully and quickly. F. D. Kostenko. Nach. shkola 30 no. 12:23-31 D '62.

PENS

Electricity instead of ink. A. Zub. Znan. -eila 37 no. 11: 39-44 N '62.

PENSIONERS see subdivision under Moscow; Voskresensk District

PENSIONS

(see also subdivision under Gusev District; Kishinev; Leningrad; L'gov District; Ukraine; Voskresenskoye District; Lipetsk Province)

Achnur'an, V. A., and B. V. Leliman. [Special benefits for some categories of pensioners and the increased rates of their pensions] Pensii na l'govnykh usloviyakh i l'govnykh razmerakh. Moskva, Gosizdat, 1962. 68 p. (Iuridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

Commission for the award of pensions. Sots. obesp. 23 no. 11:52-54 N '62.

Conditions for granting old-age pensions. G. Smirnova. Sots. obesp. 24 no. 1:18-20 Ja '63.

"Controversial" and other cases. Sots. obesp. 23 no. 11: 58-59 N '62.

Figures, facts, and examples. Sots. obesp. 23 no. 12: 47-48 D '62.

First steps. V. Laptev. Sots. obesp. 24 no. 1:10-19 Ja '63.

How to compile a payment statement. L. Ussov. Sots. obesp. 23 no. 9:28-31 S '62.

How would you decide? Sots. obesp. 23 no. 12:56-58 D '62.

How would you decide? Sots. obesp. 24 no. 1:50-59 Ja '63.

More on continuity in service. V. Plakov. Sots. obesp. 23 no. 9:55-59 S '62.

Pensions. P. Kuskov and others. Sots. obesp. 23 no. 12: 8-15 D '62.

The province department "did not approve." S. Smirnov. Sots. obesp. 24 no. 1:60-61 Ja '63.

Questions and answers. Sots. obesp. 23 no. 9:59-60 S '62.

Questions and answers. Sots. obesp. 23 no. 11:55-57 N '62.

Questions and answers. Sots. obesp. 23 no. 12:55-56 D '62.

Questions and answers. Sots. obesp. 24 no. 1:57 Ja '63.

We present new problems. Sots. obesp. 23 no. 11:59 N '62.

We present new problems. Sots. obesp. 24 no. 1:61 Ja '63.

PENTADIENONE

Polymers on the basis of condensation products of furfural with acetone. Copolymers of difurfurylideneacetone with methyl methacrylate and styrene. I. V. Kamenskii, V. I. Itinskii, A. N. Kuznetsov. Plast. massy no. 12:21-22 '62.

PENTAERYTHRITOL

Self-quenching unsaturated polyesters based on pentaerythritol polychlorohydrins. I. M. Al'shits and others. Plast. massy no. 11:12-14 '62.

PENTANOL

Stereospecificity of the dehydration of 3-pentanol on acid-type catalysts. L. Kh. Freidlin, V. Z. Sharf, Z. T. Tukhtamurov. Neftekhimija 2 no. 5:730-734 S-O '62.

PENTECOSTAL CHURCHES

Spiders and their victims. A. Suslau. Rab. isial. 38 no. 5:20-21 My '62.

PENZA PROVINCE—AGRICULTURAL ADMINISTRATION

Practical realization of party decisions is our prime objective. L. B. Ermin. Part. zhizn' no. 1:21-24 Ja '63.

PENZA PROVINCE—INDUSTRIAL ORGANIZATION

Practical realization of party decisions is our prime objective. L. B. Ermin. Part. zhizn' no. 1:21-24 Ja '63.

PEONIES—DISEASES AND PESTS

Measures for controlling the gray mold of peonies. E. A. Chinnov. Zashch. rast. ot vred. i bol. 5 no. 6: 36 Je '60.

PEPPER—DISEASE AND PEST RESISTANCE

Susceptibility of pepper varieties to bacterial spot. S. A. Mikhova. Zashch. rast. ot vred. i bol. 5 no. 11: 57 N '60.

PEPTIDES

European Symposium on Peptides. E. D. Kaverzneva. Vest. AN SSSR 33 no. 1:82-83 Ja '63.

PEPTONES

Some possibilities of the further hydrolysis of some peptolysis products in the preparation of muscle protein hydrolyzates [in Latvian with summaries in English and German]. I. Kienkas. Izv. AN Latv. SSR no. 4: 125-132 '61.

PERCEPTION

Comparative analysis of touch and vision. Report No. 10. Special aspects of hand movements in perceptual and cognitive acts. V. P. Zinchenko, T. V. Lavrent'eva, A. G. Ruzanskaya. Dokl. APN no. 1:81-84 '62.

Conditions of the appearance of set in perception [with a summary in English]. T. A. Raianova. Vop. psikhol. 8 no. 4:110-120 Ji-Ag '62.

Differentiation of the forms of objects by small children. L. A. Venger. Dokl. APN no. 2:75-80 '62.

Figure-ground discrimination by preschool children: Report No. 1; Identification of simple forms in a mechanical drawing. V. P. Sokhina. Dokl. APN no. 1: 85-88 '62.

Figure-ground discrimination by preschool children. Report No. 2. Differentiation of a figure and delineation of given parts. V. P. Sokhina. Dokl. APN no. 2:71-74 '62.

Stochastic theory of perception. Report No. 5; Tactile perception of unknown complex images. L. Arano. E. N. Sokolov. Dokl. APN no. 1:71-72 '62.

Stochastic theory of perception. Report No. 1; Motion of the effectiveness of perception. Report No. 1; Motion of the effectiveness of perception in action. L. Arano, E. N. Sokolov. Dokl. APN '62.

PERCH see subdivision under Dnieper River

PERCHLORATES

Isotope method for studying the mechanism of the electrolytic formation of perchlorate. I. F. Franchuk. *Izv. AN SSSR, Otd. khim. nauk* no. 1:63-66 '63.

PERFUMES see subdivision under Nikolayevsk

PERICARDITIS

Results of adhesive pericarditis following heart operations. I. D. Krymshil. *Sbor. trud. Inst. khir. AMN SSSR* no. 1:34-38 '62.

Teodoreanu, T. [Adhesive pericarditis; constrictive cardiopathy, sclerogenic atherosclerosis, glomerulonephritis, konstriktivnyy kardiotip, sklerogennoye seritsy. Bucharest, Med. Izd-vo, [1961] 301 p. (DNLM)]

PERICARDIUM—TUMORS

Case of colomic cyst of the pericardium. V. P. Rusanov. *Zdrav. Kazakh* 22 no. 7:72-73 '62.

PERIODIC FUNCTIONS see Functions, Periodic

PERIODICALS—CIRCULATION see Newspaper and periodical circulation

PERIOSTEUM—INNERVATION

Participation of the nervous system in the pathogenesis of infectious atrophic rhinitis in swine. H. P. Ilushchenko. *Vysnyy sil'nosop. nauky* 5 no. 12:77-79 D '62.

PERITONEUM—TRANSPLANTATION

Kuznetsov, N. N. [Heteroperitoneal preparations in experiments and in the clinic] *Geteroperitoneal'nye preparaty v eksperimente i klinike*. Kishinev, Kartia moldoveniaske, 1962. 154 p. (DNLM MICROFILM)]

PERLITE (MINERAL)

Mastering the production of expanded perlite. A. I. Polinkovskaya, M. V. Strizhevskii. *Sbor. trud. ROSNIMS* no. 19:66-74 '61.

The microstructure of natural perlites and its change in the process of expanding. N. S. Mamulova. *Sbor. trud. ROSNIMS* no. 19:75-111 '61.

PERM—LIBRARIES AND READERS

Fighting for a high title. A. Shelepen'. *Bibliotekar'* no. 1:27-28 Ja '63.

PERM PROVINCE—FOOD INDUSTRY

Activate the work of all links. P. Pogodaev. *NTO* 4 no. 11:10 N '62.

PERM PROVINCE—OFFICE PRACTICE IN GOVERNMENT

A water supply line and the vortex of official correspondence. S. Lobov. I. Vinogradov. *Sov. deput. trud.* no. 1:82-83 Ja '63.

PERM PROVINCE—PUBLIC PROSECUTORS

The Public Prosecutor of Perm Province has defended his dissertation for the degree of Candidate of Law. *Sots. zakon* 40 no. 1:89 Ja '63.

PERMAFROST see Frozen ground

PERMAK, EVGENII ANDREEVICH, 1902-

Unextinguishable light. G. Pavlova. *Nar. obr.* no. 1:94 Ja '63.

PERMITTIVITY see Dielectric constants

PEROVSKITE

(see also subdivision under Kola Peninsula)

Valency of cerium in synthetic and natural cerium aluminates and silicates. Report No. 11: Compounds of the perovskite group. A. I. Leonov. *Izv. AN SSSR, Otd. khim. nauk* no. 1:8-13 '63.

X-ray diffraction study of phase transitions in certain compounds of the perovskite type. M. F. Kuprilanov, E. G. Fesenko. *Kristallografiya* 7 no. 3:451-463 My-Je '62.

PEROVSKITE—ANALYSIS

Composition of the mixture of rare earth elements isolated from perovskite. A. V. Pomerantseva, V. A. Reznichenko. *Titaniyego splavy* no. 8:86-88 '62.

PEROXIDES

Formation of peroxide and phosphatidylethanolamine in the enzymatic reduction of carbon dioxide. E. A. Bolchenko, T. M. Udel'nova. *Dokl. AN SSSR* 147 no. 6: 1484-1486 D '62.

Initiation of radical polymerization by the peroxide derivatives of organoaluminum compounds [with summary in English]. E. B. Milovskaya, P. I. Dolgopolskaya. *Vysokom. soed.* 5 no. 1:151 Ja '63.

Oxidation of acetophenone initiated by peroxide compounds. S. D. Kaz'min. *Zhur. ob. khim.* 33 no. 1:282-285 '63.

Preparation and polarographic behavior of derivatives of bis-ethylbenzenochromium. L. N. Vertulina and others. *Zhur. ob. khim.* 33 no. 1:285-290 '63.

Thermal decomposition of bis (1-methylpercarbonate cyclohexyl) peroxide. G. A. Razuvaev, A. I. Kirillov, V. S. Et'ls. *Zhur. ob. khim.* 33 no. 1:131-138 '63.

PEROXYBENZOIC ACID

Study of the constituents of essential oils. Part 1: Oxidation of alloaromadendrene by perbenzoic acid and its bromination. M. I. Gorinov, I. S. Sharipova. *Zhur. ob. khim.* 33 no. 1:309-303 '63.

PERSECUTION

[First in shackles; White Book on the persecution of religion in the Ukraine; Translated from the Italian] *Pershi zakovani; Bila knyha pro peresliduvannya viry v Ukraini*. Buenos Aires, 1958. 70 p. (CIV)

PERSIA see Iran

PERSIAN LITERATURE—HISTORY AND CRITICISM

Braginskii, I. S. [Periodization of the history of Persian and Tajik literature] *O probleme periodizatsii istorii persidskoi i tadzhikskoi literatury*. Moskva, Izd-vo vostochnoi lit-ry, 1960. 11 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)

PERSONALITY

Methodological aspects of the development of integrated personality. Report No. 1: Assimilation of knowledge and dialectical contradiction. G. S. Batishchev. *Dokl. APN* no. 1:29-34 '62.

Methodological aspects of the development of integrated personality. Report No. 2: Assimilation of culture and leisure. G. S. Batishchev. *Dokl. APN* no. 2:19-24 '62.

PERU—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Washington and Peru. V. Listov. *Nov. vrem.* 20 no. 6: 20-21 F '63.

PERU—POLITICS AND GOVERNMENT

Washington and Peru. V. Listov. *Nov. vrem.* 20 no. 6: 20-21 F '63.

PERVENTSEV, ARKADII ALEKSEEVICH, 1905-

"Sailors" by A. Perventsev. Reviewed by V. M. Grishanov. *V mire knig* 2 no. 12:21-22 D '62.

PERVOURAL'SK—EFFICIENCY, INDUSTRIAL

Successful achievement of the workers in Pervoural'sk. E. Filisteev. *Part. zhizn'* no. 2:30-31 Ja '63.

PERVOURAL'SK—PIPE MILLS

Construction of a mill for continuous pipe rolling in Pervoural'sk. M. Krivitskaya. *Na stroi. Ros.* no. 12: 9-10 D '61.

PERYLENE—SPECTRA

Polarization of quasi-linear luminescence spectra of perylene in an electric field at 77°K. G. V. Gbov and others. *Opt. i spekt.* 13 no. 6:879 '62.

PESCHANYI ISLAND—WAVES

Wind and wave conditions in the Peschany Island region [in Azerbaijani with summary in Russian]. Kh. Veliev, A. A. Kerimov, B. A. Aliev. *Uch. zap. AGU, Geol.-geog. ser.* no. 6:107-117 '61.

PESCHANYI ISLAND—WINDS

Wind and wave conditions in the Peschany Island region [in Azerbaijani with summary in Russian]. Kh. Veliev, A. A. Kerimov, B. A. Aliev. *Uch. zap. AGU, Geol.-geog. ser.* no. 6:107-117 '61.

PESTALOZZIA

Gray leaf spot of laurel and its control [with summary in English]. V. G. Mkervall. *Subtrop. kul't.* no. 1: 78-85 '62.

PETLURA, SYMON VASIL'OVYCH, 1879-1926

Letters to the editor. Friedrich Eger and others. *Nov. vrem.* 20 no. 7:10 F '63.

PETRIFIED FORESTS

see subdivision under Kyzyl Kum

PETROGENESIS

More about the terms defining petrogenetic stages and phases. N. B. Vassoevich. *Trudy VNIIGI* no. 190: 220-243 '62.

PETROGENY

see Petrogenesis

PETROKAMENSKOYE DISTRICT—COMMUNITY AND SCHOOL

They are under our patronage. T. Rybina. *Doshk. vosp.* 35 no. 9:80 S '62.

PETROLATUM

Chemical composition of petrolatum and of products of its destructive processing. N. I. A. Rudakova. *Nauch. zap. Ukrnitproekta* no. 8:10-17 '62.

PETROLEUM—ANALYSIS

see subdivision under Baku region; Volga-Ural region

PETROLEUM—REFINING

(see also subdivision under Lvov)

Crude naphthenic acids as effective demulsifying agents for hydrophobic petroleum emulsions. N. I. A. Rudakova and others. *Nauch. zap. Ukrnitproekta* no. 8:71-80 '62.

Investigation of natural water emulsifiers in crude oil in relation to the establishment of a basis for effective demulsifying agents for petroleum emulsions [with summary in English]. A. G. Gobzhala. *Koif. zhur.* 21 no. 6:651-658 N-D '62.

Polymerization of a coumarone-indene fraction of a light oil obtained by petroleum pyrolysis using a ferric chloride catalyst on silica gel. P. D. Shkhalizade, I. A. Gukhman. *Izv. vys. ucheb. zav.; nef't i gaz* 5 no. 4:55-58 '62.

Possibility of production of transformer oils from the petroleum of the Okhinskiy and Katangli fields. N. I. A. Rudakova and others. *Nauch. zap. Ukrnitproekta* no. 8: 64-70 '62.

PETROLEUM—TESTING

(see also subdivision under Tatar A.S.S.R.; Uzbekistan)

Study of resinous substances in oils based on infrared absorption spectra. E. A. Iatsenko, V. G. Gutsoluk, S. R. Rafikov. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:107-110 Ja '63.

PETROLEUM—TRANSPORTATION

Transportation of oil and petroleum products. A. I. Dimer. *Bud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 12:57-61 '62.

PETROLEUM AS FUEL

Burning of Arlan petroleum with increased stabilization in boiler furnaces. L. A. Gvozdetki and others. *Elek. sta.* 33 no. 10:22-25 O '62.

Efficiency of liquid additives to boiler mazout. B. S. Karandashov. *Trudy TSNIMF* 8 no. 42:48-56 '62.

Measurement of consumption of fuel oil using a doubled diaphragm. Z. I. Geller, V. I. Ashikmin. *Teploenergetika* 9 no. 12:76-77 D '62.

Organization of the use of petroleum products.

N. Speransov. *Tekhn. v sel'khoz.* 22 no. 11:51-55 N '62.

Shaft furnace for burning lime with mazut fuel. I. E. Soshnik. *Stroi. mat.* 8 no. 12:18-19 D '62.

PETROLEUM GEOLOGY

(see also subdivision under Apsheron Peninsula; Baku Archipelago; Bashkiria; Carpathian Mountain region; Caspian Sea region; Caucasus; Chechen-Ingush A.S.S.R.; Choleken Peninsula; Enikha region; Kara-Kalpak A.S.S.R.; Kobystan; Kopet-Dag; Markovo, Ust'-Kut District; Mishovdag region; Russia, Southern; Sakhalin; Tajik Depression; Turkmenistan; Uzbekistan; Volga-Ural region; Volgograd Province)

Approximate method of solving the problem of oil displacement by water. M. V. Filinov. *PMTF* no. 2:142-144 Mr-Apr '62.

Effect of pressure on the reservoir properties of sandstones. V. M. Dobrynia. *Geol. nef'i i gaz* 7 no. 1: 45-52 Ja '63.

Let us carry out the decisions of the November Plenum of the Central Committee of the CPSU. *Geol. nef'i i gaz* 7 no. 1:1-6 Ja '63.

Origin of natural hydrocarbons of the earth. M. S. El'genson. *Trudy Inst. geol. pol. iskop. AN URSS* 5:80-100 '62.

Recent data on the deep origin of oil. N. A. Kudrilyatsev. *Trudy Inst. geol. pol. iskop. AN URSS* 5:101-120 '62.

Relationship between oil and ore potentials and Pre-Paleozoic shale-carbonaceous formations of the Southern Urals, Kazakhstan, and Central Asia. N. P. Tsarev. *Trudy VNIIGI* no. 190:26-71 '62.

Role of clays in the formation of oil and gas pools. V. F. Linetskii. *Trudy Inst. geol. pol. iskop. AN URSS* 5:26-41 '62.

Some concepts of the physical processes in the earth's crust in connection with the genesis of minerals. L. N. Elanskii. *Trudy Inst. geol. pol. iskop. AN URSS* 5:58-78 '62.

Use of an electronic computer in calculating the movement of a nearly circular oil-water interface. V. V. Skvortsov. *PMTF* no. 2:139-141 Mr-Apr '62.

PETROLEUM INDUSTRY

(see also subdivision under Bahrain; Ceylon; Salavat)

Petroleum in the Moscow State in the 16th and 17th centuries. K. V. Kostin. *Izv. vys. ucheb. zav.; nef't i gaz* 5 no. 4:115-119 '62.

PETROLEUM INDUSTRY—COSTS

Umanskii, L. M. [Ways to reduce costs in the petroleum-producing industry] *Puti snizheniya sebestoimosti v nefteobvalushchei promyshlennosti*. Moskva, Gosloptekhtizdat, 1962. 157 p.

PETROLEUM INDUSTRY—SOCIETIES, ETC.

Crossing borders. A. Sorokin. *NTO* 4 no. 12:50-51 D '62.

PETROLEUM PRODUCTS

Determination of the paraffin wax content of petroleum products. A. P. Litogub, V. T. Sklar, S. I. Krasnova. *Nauch. zap. Ukrnitproekta* no. 8:18-22 '62.

Distribution density of the fractional composition of petroleum products. V. I. Fainerman. *Nauch. zap. Ukrnitproekta* no. 8:103-107 '62.

PETROLEUM PRODUCTS (Continued)

Highly active ferroaluminosilicate contact catalyst for thermal desulfuration of petroleum products. V.S. Komarov and others. Dokl. AN SSSR 147 no. 6:1413-1416 D '62.

PETROLEUM PRODUCTS—STORAGE

Calculating methods and the construction plan of cooling installation for petroleum products being pumped into frozen-ground reservoirs. V. A. Kuriavtseva, V. G. Melamed, A. E. Gulikova. Merz. issl. no. 1:307-317 '61.

PETROLEUM PRODUCTS—TRANSPORTATION

Transportation of oil and petroleum products. A. I. Dimer. Biol. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:57-61 '62.

PETROLEUM REFINERIES—ELECTRIC EQUIPMENT

Glazkov, A. N., and A. N. Parfenov. [Electric equipment for petroleum and gas refineries] Elektroobrudovanie neftegazopetrokhimicheskikh zavodov. Moskva, Gosoptekhnizdat, 1962. 343 p.

PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES

Line construction of technological units for petroleum refineries. P. F. Zherdetskiy. Nauch. zap. Ukrniproekta no. 8:91-93 '62.

Selection of optimum time parameters of a data collecting system for control computers used in automation systems of technological units for petroleum refineries. V. G. Lapa. Nauch. zap. Ukrniproekta no. 8:94-102 '62.

PETROLEUM WORKERS—EDUCATION AND TRAINING

Interuniversity conferences on methods. Vest. vys. shkoly 20 no. 12:28-29 D '62.

PETROLOGY

(see also subdivision under Dnieper Valley; Kazakhstan; Queen Maud Land; Vuoriyarvi region)

Studying density and porosity of rocks. N. B. Vassoevich, I. V. Bronovitskiy. Trudy VNIGRI no. 100:478-484 '62.

PETROLOGY—CONGRESSES

Problem of ignimbrites and hyaloclastic rocks at the International Symposium of Volcanology, Italy. V. I. Vlodavets. Biol. Vulk. sta. no. 33:80-86 '62.

PETROPAVLOVSK—INDUSTRIAL MANAGEMENT—CONGRESSES

Creative initiative has manifested itself more fully. I. Polipov. Nar. khoz. Kazakh. 20 no. 10:12-15 O '62.

PETROPAVLOVSK—TECHNOLOGICAL INNOVATIONS—CONGRESSES

Creative initiative has manifested itself more fully. I. Polipov. Nar. khoz. Kazakh. 20 no. 10:12-15 O '62.

PETROSIA, PETER PAVLOVICH, d. 1962

Petr Pavlovich Petrosian. Metalloved. i term. obr. met. no. 12:60 D '62.

PETROZAVODSK

Al'tman, L. P., and G. S. Nevol'shteyn. [Petrozavodsk, the capital of the Karelo-Finnish S.S.R.] Petrozavodsk, stolitsa Karelo-Finskoi SSR. Moskva, Gos. izd-vo googr. lit-ry, 1961. 47 p.

PHAGOCYTOSIS

Phagocytic activity of the leucocytes in the blood of premature infants [with summary in English]. L. E. Probatova, E. K. Mieserova. Vop. okh. mat. i det. 7 no. 9: 45-49 S '62.

PHANAGORIA—CLASSICAL ANTIQUITIES

Burial of the fourth century B.C. in Phanagoria. I. D. Marchenko. Soob. GMII [no. 1]:22-28 '60.

PHANAGORIA—EPITAPHS

An epitaph from Phanagoria. Krat. soob. Inst. arkheol. no. 68:112-114 '62.

PHARMACOGNOSY

"Course in pharmacognosy" by A. F. Gammernan. Reviewed by E. I. A. Liukhenkova and A. A. Dolgova. Apt. delo 12 no. 3:86-88 My-Je '62.

PHARMACOLOGY

Rozentavol, P. E. [Technology of medicinal forms] Tekhnologiya lekarsvennykh form; uchebnik dlia farmatsevticheskikh uchilishch. Izd. 3., perer. i dop. Moskva, Medgiz, 1962. 407 p. (DNLM)

PHARMACY

(see also subdivision under Donetsk; Moscow; Norway)

Abstracts. Apt. delo 12 no. 3:83-85 My-Je '62.

Possible use for ultrasonics in pharmaceutical practice. L. I. Stokolnikov, T. P. Litvinova. Apt. delo 12 no. 3: 70-75 My-Je '62.

Results of the work of the pharmacy network in 1961 and its tasks for 1962. S. I. Koromyslov. Apt. delo 12 no. 3:7-13 My-Je '62.

Results of the work of the pharmacy network in the R.S.F.S.R. in 1961. A. M. Stetsiuk. Apt. delo 12 no. 3:13-18 My-Je '62.

PHARMACY—CONGRESSES

All-Russian congress of pharmacists. Apt. delo 12 no. 3:3-7 My-Je '62.

PHARMACY—HYGIENIC ASPECTS

Hygienic conditions in pharmacies. G. A. Miterev and others. Apt. delo 12 no. 3:48-54 My-Je '62.

PHASE CONVERTERS

A static converter of a single-phase system to a symmetrical three-phase system [with summary in English]. O. M. Miliakh, A. K. Shydlovskiy. Avtomatika 7 no. 6: 40-47 '62.

PHASE RULE AND EQUILIBRIUM

Aging of a eutectoid composition copper-tin alloy. M. I. Zakharova, I. B. Mognrycheva. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:147-148 N-D '62. Constitutional diagram of the system titanium - niobium - chromium. K. I. Shakhova, P. B. Rudberg. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:137-141 N-D '62.

Effect of the deformation temperature on austenitic steel phase constitution. V. I. Grigor'kin. Izv. vys. ucheb. zav. chern. met. 5 no. 12:110-116 '62.

Effect of the state of a solid solution on the kinetics of the coagulation process and dispersion of the carbide phase in steels. V. I. Panarev, O. I. Korobli. Izv. vys. ucheb. zav. chern. met. 5 no. 12:103-109 '62.

Fractionation of copolymers. Effect of the composition on phase relations. A. V. Topchlev, A. D. Litmanovich, V. I. A. Shtern. Dokl. AN SSSR 147 no. 6:1389-1391 D '62.

Martensite transformation in manganese-base alloys. M. P. Ravdel, O. I. Evdokimova. Metalloved. i term. obr. met. no. 12:23-26 D '62.

Method for observing the movement of the solid - melt interface while under the action of direct current. B. M. Mogilevskiy, A. F. Chudnovskiy. Fiz. tver. tela 5 no. 1:366-367 Ja '63.

Method for the investigation of vapor-liquid equilibrium of high boiling mixtures at other than atmospheric pressures [with summary in English]. I. U. V. Tsvetkov, V. M. Edel'shteyn, I. K. Tagirov. Zhur. fiz. khim. 36 no. 12:2806-2808 D '62.

On the relation between the vaporous and liquid phases in products of the electric erosion of metals. K. K. Namitkov. Ukr. fiz. zhur. 7 no. 10:1136-1139 O '62.

Phase constitution of sinter obtained from a mixture of perovskite and titanium-magnetite concentrates. A. V. Rudneva. Titan i ego splavy no. 8:55-61 '62.

Stabilization of beta-hard solutions in zirconium alloys. L. A. Petrova. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:169-161 N-D '62.

PHENAZINE

Free radical formation in benzoquinhydrone and phenazohydrin on solid surfaces studied by the electron paramagnetic resonance method. I. P. Gragerov and others. Dokl. AN SSSR 147 no. 4:867-869 D '62.

PHENOBARBITAL

Color reactions for barbamil, luminal and evipan sodium. V. I. Lobanov. Apt. delo 12 no. 3:66-67 My-Je '62.

PHENOL

Bromination by dioxane dibromide. Part 2: Kinetics and mechanism of phenol bromination. V. S. Karpinskiy, V. D. Lashenko. Zhur. ob. khim. 32 no. 12: 3997-4004 D '62.

Chromatographic partition and quantitative determination of nitrophenols in air. I. B. Kogan, I. P. Vasil'eva. Zav. lab. 28 no. 12:1428-1429 '62.

Condensation of o-aminoacetophenol with unsaturated ketones. Part 1. L. K. Mushkalo, D. I. Shelko. Zhur. ob. khim. 33 no. 1:157-160 '63.

Determination of the structure of terpene residue in a phenyl terpene ether obtained from camphene and phenol. L. A. Khelifits, G. I. Moldovenakala, G. P. Il'ina. Zhur. ob. khim. 32 no. 12:4006-4007 D '62.

Interaction in the ternary system urea - phenol - benzoic acid. I. I. Il'iasov, A. G. Palobekov, A. G. Bergman. Zhur. ob. khim. 33 no. 1:19-22 '63.

Oxidation of phenol in the field of ultrasonic waves [with summary in English]. I. U. Lur'e, P. F. Kandzas, A. A. Mokina. Zhur. fiz. khim. 36 no. 12: 2618-2620 D '62.

Sterically hindered phenols. Report No. 11: Action of bromine on 2,6-dialkyl-4-ethylphenols. V. V. Ershov, A. A. Volod'kin. Izv. AN SSSR. Otd. khim. nauk no. 12: 2150-2154 D '62.

Sterically hindered phenols. Report No. 12: Dihromodiallylcyclohexadienones. A. A. Volod'kin, V. V. Ershov. Izv. AN SSSR. Otd. khim. nauk no. 1:152-157 '63.

PHENOL CONDENSATION PRODUCTS

New type of coatings based on phenol-alkyd resins. M. I. Koriakina, S. V. Iakubovich, A. A. Blagoravova. Lakokras. mat. i kh. prim. no. 5:25-27 '62. Phenol-rubber adhesive of higher elasticity. V. N. Solov'eva and others. Plast. massy no. 11:44-46 '62.

PHENOL CONDENSATION PRODUCTS—SPECTRA

Spectroscopic study of the effect of dicarboxylic acids on the hardening of novolak resins. A. N. Shahdash, A. G. Sirota. Plast. massy no. 11:65-67 '62.

PHENOLOGY

Ivanenko, B. I. [Phenology of trees and shrubs] Fenologiya drevetsnykh i kustarnikovykh porod. Moskva, Sel'khozizdat, 1962. 182 p.

PHENOLS

Continuous alkylation of peat phenols in the presence of ion exchange resin. S. A. Dmitriev, K. D. Korenev, O. N. Tsvetkov. T'or. prom. 39 no. 8:16-18 '62.

Formation of phenoxy radicals during the oxidation of phenols by lead tetracetate. G. N. Bogdanov, M. S. Postnikova, N. M. Emanuel'. Izv. AN SSSR. Otd. khim. nauk no. 1:173-175 '63.

Hydrolytic and alkaline boiling of hardwood for obtaining cellulose with simultaneous hydrogenation of lignin. Report No. 2: Fractionation of hydrogenated lignin products and separation of phenols [with summary in English]. V. Gromov, M. Pormale. Izv. AN Latv. SSR no. 4:85-92 '61.

Separation of phenols by means of monoethanolamine [with summary in German]. A. Aarna, L. Mölder. Izv. AN Est. SSR. Ser. fiz. -mat. i tekhn. nauk 11 no. 4: 243-252 '62.

Sterically hindered phenols. Report No. 10: Oxidation of phenols by lead tetracetate. G. N. Bogdanov, V. V. Ershov. Izv. AN SSSR. Otd. khim. nauk no. 12:2145-2150 D '62. Technical and economic efficiency of water dephenolization by the method of electrochemical oxidation. A. V. Sakharov. Lakokras. mat. i kh. prim. no. 6:80-82 '62.

PHENOLS—ANALYSIS

Determining sodium pentachlorophenolate content of paperboard by means of the conductometric titration of the chlorine ions. T. L. Volina. Trudy VNIIB no. 47:112-121 '61.

PHENOLSULFONIC ACID

Quantitative determination of isomeric phenolsulfonic acids. B. I. Karavaev. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:760-769 '62.

PHENOXY GROUP

Formation of phenoxy radicals during the oxidation of phenols by lead tetracetate. G. N. Bogdanov, M. S. Postnikova, N. M. Emanuel'. Izv. AN SSSR. Otd. khim. nauk no. 1:173-175 '63.

PHILIPPINES—FOREIGN RELATIONS—UNITED STATES

"Cryptocolonialism in the Philippines" [in English] by V. Crosby. Reviewed by O. S. Pavlov. Vop. ist. 38 no. 1: 175 Ja '63.

PHILOSOPHY

"In the world of wise thoughts." Komsom. zhizn' no. 20: 26 O '62.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—PERIODICALS

Let this periodical be a messenger of new ideas. L. A. Zelenov, G. M. Ivanov, F. A. Selivanov. Vop. filos. 17 no. 1:153-158 '63.

PHILOSOPHY, AZERBAIJANI

"History of the social and philosophical thought of Azerbaijan in the 16th century" by Geydar Guseinov. Reviewed by A. V. Fadeev. Vop. ist. 38 no. 1:121-130 Ja '63.

PHILOSOPHY, CHINESE

"Collected articles on the philosophy of Lao-tzu" [in Chinese]. Reviewed by V. A. Rubin. Sovr. kit. lit. po obschestv. nauk no. 40:32-39 '62.

"A new study of 'Lun-yü'" by Chao Chi-pin. Abstract from "Jen min ch'u pan shä," no. 2, '59 by V. I. Kudrin. Sovr. kit. lit. po obschestv. nauk no. 49:93-91 '62.

PHILOSOPHY, GEORGIAN

Khidasheli, Sh. V. [Basic ideological trends in feudal Georgia, from the 4th to the 13th century] Osnovnye mirovopozrencheskie napravleniya v feodal'noi Gruzii, IV-XIII vv. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 418 p.

PHILOSOPHY, GERMAN

Grigor'ian, B. T. [Neo-Kantianism; a critical study] Neokantianstvoi kriticheskii ocherk. Moskva, Vysshata shkola, 1962. 88 p. (Materialy k lektsiiam po filosofii)

PHILOSOPHY, HINDU

Patigorskii, A. M. [Materials on the history of Hindu philosophy; the materialism of Lokayata, the Hindu system of Shiva Bhakti, and other philosophical and religious systems in medieval Tamil sources] Materialy po istorii indiskoi filosofii; materializm lokaita, induskaya sistema shiva-bhakti i drugie filosofskie i religioznye sistemy v srednevekovykh tamil'skikh istochnikakh. Moskva, Izd-vo vostochnoi lit-ry, 1962. 249 p.

PHLOGOPITE CRYSTALS

Dielectric properties of phlogopite crystals along the joint. N. V. Afanas'ev, V. N. Popova, M. S. Metisk, Izv. vys. ucheb. zav., fiz., no. 6:64-71 '62.

PHOMA

Expediency of quarantining the disease caused by Phoma tuberosa. G. K. Iatsenko. Zashch. rast. ot vred. i bol., 5 no. 7:47 JI '60.

PHONETICS—TERMINOLOGY

Trakhterov, A. L. [English phonetic terminology] Angliiskaya foneticheskaya terminologiya; spravochnoe posobie dlia studentov i prepodavatelei vuzov inostrannykh iazykov. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1962. 347 p.

PHOSPHATES

Agrochemical characteristics of turf-Podzolic medium-light loam soils and the efficiency of phosphorus fertilizers [with summary in English]. I. S. Lapinovich, T. N. Kulakovskaya. Pochvovedenie no. 11:17-23 N '62.

Amperometric determination of sulfides in the presence of sulfates, thiosulfates, sulfites, and carbonates in alkaline wastes of petroleum refining and of phosphates in phosphate catalysts. V. N. Lenskaya, R. K. Terekhova. Izv. vys. ucheb. zav., khim. i khim. tekhn., 5 no. 5:717-721 '62.

Causes of the decrease of water-soluble phosphates in municipal sewage. L. S. Krivitskaya. Vod. i san. tekhn., no. 12:9-10 D '62.

PHOSPHATIDYLETHANOLAMINE

Formation of peroxide and phosphatidylethanolamine in the enzymatic reduction of carbon dioxide. E. A. Bolchenko, T. M. Udel'nova. Dokl. AN SSSR 147 no. 6: 1484-1486 D '62.

PHOSPHAZO COMPOUNDS

Acidolysis of monomeric and dimeric phenyldichlorophosphazone aryls. I. N. Zhmurova, A. V. Kirsanov. Zhur. ob. khim., 33 no. 1:182-188 '63.

Trifluorohydroxyphosphazone sulfonyl aryls. V. I. Shavchenko, V. P. Tkach, A. V. Kirsanov. Zhur. ob. khim., 32 no. 12:4047-4049 D '62.

PHOSPHINE

Interaction of arylidichlorophosphines with cyclic oxides. Part 5: Reaction of chlorophenylidichlorophosphine with ethylene oxide. E. L. Gelfer, I. A. Rogacheva. Zhur. ob. khim., 32 no. 12:3962-3965 D '62.

Properties of phosphines. Part 5: Reactions of phosphines with chloroamines, sulfonyl chlorides, and amines. K. A. Petrov and others. Zhur. ob. khim., 32 no. 12:4017-4022 D '62.

PHOSPHINIC ACID

Carbochain polymers and copolymers. Part 43: Synthesis, polymerization, and copolymerization of aromatic esters of vinylphosphinic and α -chlorovinylphosphinic acids [with summary in English]. G. S. Kolesnikov and others. Vysokom. soed., 5 no. 1:32-38 Ja '63.

Complex formation of americium with diisobutyl ester of methylphosphinic acid. V. I. Zemlinukhin, G. P. Savoskina, M. F. Pushlenkov. Radiokhimiya 4 no. 8: 655-660 '62.

Diazophosphinic and hydrazidophosphinic esters. A. N. Pudovik, T. M. Moshkina, V. P. Khramtsova. Zhur. ob. khim., 33 no. 1:94-97 '63.

PHOSPHINOUS ACID

Action of chloral on alkyl esters of p-chlorophenyl-, p-isopropylphenyl-, and α -naphthylphosphinous acids. G. Kh. Kanad and others. Izv. vys. ucheb. zav., khim. i khim. tekhn., 5 no. 5:759-762 '62.

Derivatives of phosphinic and phosphinous acids. Part 18: Synthesis and properties of dihexyl ester of allylphosphinous acid. A. I. Razumov, B. G. Liorber. Zhur. ob. khim., 32 no. 12:4063-4066 D '62.

PHOSPHINOUS AMIDE

Reaction of phosphite amides and phosphinite amides with acid anhydrides. M. I. Kabachnik, T. A. Mastrukova, A. E. Shipov. Zhur. ob. khim., 33 no. 1:320-321 '63.

PHOSPHORESCENCE

Spectacular chemical reactions; living light. A. Emme. Tekhn. mol., 30 no. 12:3-4 '62.

PHOSPHORIC ACID

Complex formation between an uranyl ion and orthophosphoric acid. V. I. Karpov. Radiokhimiya 4 no. 6:667-671 '62.

Nucleotides, cofactors, phosphoric esters. Part 1: Synthesis of a monophosphoric ester of thiamine phosphate. V. M. Beresovskii and others. Zhur. ob. khim., 32 no. 12:3890-3892 D '62.

PHOSPHORITES

(see also subdivision under Saratov Province)

Possibilities for increasing the production of local fertilizers. I. Kh. Teregulov. Zemledelie 24 no. 11: 55-60 N '62.

PHOSPHORODICHLORIDIC ACID

Chlorophosphorylated atactic polypropylene [with summary in English]. D. Bellas, Z. Menasek, M. Lazar. Vysokom. soed., 5 no. 1:145-150 Ja '63.

PHOSPHORODITHIOIC ACID—SPECTRA

Synthesis of some derivatives of esters of O,O'-dialkylphosphorodithioic acids and their infrared spectra. N. I. Zemlianskii and others. Zhur. ob. khim., 32 no. 12:4056-4069 D '62.

PHOSPHOROUS ACID

Interaction of carboxyl chloride and carboxylic anhydrides with sodium diethyl phosphite. A. N. Pudovik, I. V. Kononova. Zhur. ob. khim., 33 no. 1:98-102 '63.

PHOSPHORS

Avalanche processes in the electroluminescence of ZnS-Cu. I. K. Vereshchagin, L. A. Kosachenko. Opt. i spekt., 13 no. 6:877-879 '62.

On the rise of luminescence in ZnS-Cu phosphors. N. L. Gasting, L. A. Suvorova. Izv. vys. ucheb. zav., fiz., no. 6:168-169 '62.

Photoluminescence excitation spectra of NaI (Tl) crystals. V. N. Vyshneva'kyl and others. Ukr. fiz. zhur., 7 no. 10:1127-1128 O '62.

Roentgenoluminescence of NaI (Tl) crystal phosphors [with summary in English]. V. N. Vyshneva'kyl and others. Ukr. fiz. zhur., 7 no. 10:1101-1105 O '62.

PHOSPHORUS

Forms of phosphorus in farm manure [with summaries in English, German, and French]. E. I. Shkonde. Vest. sel'khoz. nauk 7 no. 11:54-59 N '62.

Study of phosphorus fertilizers in high school. A. G. Kochorva. Uch. zap. Tif. gos. ped. inst., no. 9:217-228 '60.

PHOSPHORUS—ANALYSIS

Decomposition of organic substances by metallic potassium. Report No. 4: New method for the simultaneous determination of silicon and phosphorus. V. P. Burlaka, M. N. Chumachenko. Izv. AN SSSR, Otd. khim. nauk no. 1:5-7 '63.

PHOSPHORUS ACIDS

Synthesis of allphatic phosphorus-containing dicarboxylic acids. E. V. Kuznetsov, R. K. Vitoldinov, T. S. La. Roitburd. Zhur. ob. khim., 33 no. 1:150-153 '63.

PHOSPHORUS BACTERIA see Bacteria, Phosphorus

PHOSPHORUS ORGANIC COMPOUNDS

Emulsifiers for phosphorus organic poisons. P. I. Mitrofanov, S. N. Terent'ev. Zashch. rast. ot vred. i bol., 5 no. 5:40-41 My '60.

Interaction of aryl- and diarylchlorophosphates with alpha-oxides. I. K. Rubtsova, S. M. Shner. Plast. massy no. 12:23-24 '62.

Safety measures in handling phosphorus organic poisons. I. U. S. Kagan. Zashch. rast. ot vred. i bol., 5 no. 5:45-46 My '60.

Synthesis of some 3,3,3-trifluoropropyl derivatives of phosphorus. M. A. Larionova, A. L. Kloban'skii, V. A. Bartashev. Zhur. ob. khim., 33 no. 1:265-266 '63.

PHOSPHORYL CHLORIDE

Polyphosphites. Part 4: Reactions of dialkyl phosphoryl chlorides with glycols. A. N. Pudovik and others. Zhur. ob. khim., 33 no. 1:102-107 '63.

PHOSPHORYLATION

Separation of oxidation and phosphorylation at the cessation of the hypothermal state. S. E. Severin and others. Dokl. AN SSSR 147 no. 6:1489-1492 D '62.

PHOSPHOTUNGSTIC ACIDS

Structure of the calcination products of some 12-heteropolyacids. A. A. Bahad-Zakhrapiin, N. S. Gorbunov. Izv. AN SSSR, Otd. khim. nauk no. 1:14-16 '63.

PHOTOCOLORIMETERS see Colorimeters

PHOTOCONDUCTIVITY

Characteristics of the longitudinal photoconductivity of crystals with heavy absorbing capacity. V. M. Fridkin. Fiz. tver. tela 5 no. 1:353-356 Ja '63.

Kinetic method for determining the parameters of trapping levels. E. A. Sal'kov. Fiz. tver. tela 5 no. 1: 240-245 Ja '63.

Negative photoconductivity of germanium in a magnetic field. E. A. Zavadskii, I. U. T. Kovrizhnykh, I. G. Fakidov. Fiz. tver. tela 5 no. 1:194-200 Ja '63.

Some properties of contacts between a metal (In, Ga) and a photoconductor (CdS). E. A. Sal'kov, M. K. Sheinkman. Fiz. tver. tela 5 no. 1:237-239 Ja '63.

Temperature dependence of the kinetics of photoconductivity of Sb₂S₃ single crystals [with summary in English]. V. A. Brodovyi, V. I. Lashenko. Ukr. fiz. zhur., 7 no. 10:1082-1087 O '62.

PHOTOELASTICITY

Method of optically sensitive layers for measuring deformations on the surface of a part. N. I. Prigorovskii, P. T. Bogdyl'. Probl. prochn. i mashinostr., no. 8: 5-43 '62.

Photoelastic method for the investigation of stresses in rolls and in the strip during rolling. I. M. Pavlov and others. Sbor. inst. stal i splav. no. 40:264-270 '62.

Using the polarization-optical method in investigating the properties of concrete. G. Oppel'. Probl. prochn. i mashinostr., no. 8:44-51 '62.

PHOTOELECTRIC CELLS

Derbo, I. F. [Semiconductor thermistors and photoresistors] Poluprovodnikovye termosoprotivleniya i fotosoprotivleniya. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 110 p.

Simple photorelay. P. M. Vaisburd. Avtom. i prib., no. 4:89-90 O-D '62.

Turkulets, V. I., and N. P. Udalov. [Photodiodes and phototriodes] Fotodiody i fototriody. Moskva, Gosenergizdat, 1962. 62 p. (Biblioteka po avtomatike, no. 64)

[MICROFILM]

PHOTOELECTRIC MEASUREMENTS

The RKF-1 device for checking the presence of a flame tongue. T. S. Bakun, V. P. Marchevskii, G. D. Sobolevskii. Avtom. i prib., no. 4:84-85 O-D '62.

Using the photoelectric method for investigating the horizontal model of the black body at the temperature of the solidification of gold. I. I. Kirilenkov, G. A. Krakhmal'nikova. Trudy inst. Kom. stand., mer i izm. prib., no. 51:98-109 '61.

PHOTOELECTRICITY

Avalanche processes in the electroluminescence of ZnS-Cu. I. K. Vereshchagin, L. A. Kosachenko. Opt. i spekt., 13 no. 6:877-879 '62.

Drift dispersion of the photodiode effect in doped germanium. I. A. Okaman, M. N. Kiseleva, B. M. Martinson. Fiz. tver. tela 5 no. 1:220-223 Ja '63.

Photopolarization in some crystals of aromatic hydrocarbons. V. M. Fridkin, G. S. Belikova. Fiz. tver. tela 5 no. 1:356-358 Ja '63.

Role of secondary emission phenomena in the X-ray photoeffect from metal cathodes. M. A. Rumsh, V. M. Shekemelev. Fiz. tver. tela 5 no. 1:71-77 Ja '63.

X-ray photoeffect of dielectric cathodes. V. N. Shchemolev, M. A. Rumsh. Fiz. tver. tela 5 no. 1:66-70 Ja '63.

PHOTOGRAPHERS see subdivision under Uzbekistan

PHOTOGRAPHERS, RUSSIAN

Iurii Bagrianskii. V. Illesh. Sov. foto 22 no. 12:18-23 D '62.

Power of observation and diligence. M. Galkin. Sov. foto 22 no. 12:28-29 D '62.

PHOTOGRAPHIC CHEMICALS

Fixage recovery. N. Mikhailov. Sov. foto 22 no. 12: 36 D '62.

PHOTOGRAPHIC EMULSIONS

Mechanism of the interstitial introduction of a radioactive isotope into the nuclear emulsion. K. B. Zaborenko, V. I. Korobkov, K. A. Radovich. Radiokhimiya 4 no. 6:715-720 '62.

PHOTOGRAPHIC INTERPRETATION

Interpretation of aerial photography in agriculture [with summaries in English, German, and French]. V. F. Rubakhin. Vest. sel'khoz. nauk 7 no. 10:95-102 O '62.

PHOTOGRAPHIC LENSES see Lenses, Photographic

PHOTOGRAPHY

(see also subdivision under Estonia; Japan)

For children and youth. Book review by I. U. Rzhavskii. Sov. foto 22 no. 11:27 N '62.

Indoor lighting and photography. L. Porter. Sov. foto 22 no. 11:40-42 N '62.

Mall from foreign countries. E. Bolandin. Sov. foto 22 no. 12:26-27 D '62.

News from everywhere. Sov. foto 22 no. 11:44-45 N '62.

News from everywhere. Sov. foto 22 no. 12:41 D '62.

Photos for the "Seven-Year Plan in Action 1963" Exhibition. Sov. foto 22 no. 11:2-7 N '62.

PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Changing the developer components. V. Abritalin. Sov. foto 22 no. 11:38 N '62.

Investigating sensitive photographic materials with the developing agent incorporated in the emulsion layer (with summary in English, p. 96). N. I. Kirillov, M. I. Deberdeev, N. E. Kirillova. Tekhn. kino i telev. 7 no. 1:38-47 Ja '63.

PHOTOGRAPHY—ENLARGING

Enlarging of panoramic negatives. N. Stepanov. Sov. foto 22 no. 12:31 D '62.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

Claims of photoamateurs on industry. T. Ostanovskii. Sov. foto 22 no. 11:13-15 N '62.

Ethetics and technology. I. Solomykov. Sov. foto 22 no. 12:14-15 D '62.

New developments in foreign photographic equipment. Sov. foto 22 no. 12:45 D '62.

PHOTOGRAPHY—EXHIBITIONS

For the "Seven-year plan in action during 1963" exhibition. Sov. foto 22 no. 12:2-5 D '62.

"Seven-year plan in action during 1963." Sov. foto 22 no. 12:1 D '62.

PHOTOGRAPHY—FILMS

Investigating sensitive photographic materials with the developing agent incorporated in the emulsion layer (with summary in English, p. 86). N. I. Kirillov, M. I. Deberdeev, N. E. Kirillova. Tekhn. kino i telev. 7 no. 1:36-47 Ja '63.

PHOTOGRAPHY—LIGHT FILTERS

Light filter for laboratories. B. Mikhailchuk. Sov. foto 22 no. 11:39 N '62.

PHOTOGRAPHY—LIGHTING

Incandescent lamps for projection printing and photography. Svetotekhnika 9 no. 1:32 Ja '63.

PHOTOGRAPHY—PRINTING PAPERS

Printing papers for technical use. I. A. Zaidenberg. Sov. foto 22 no. 12:30-31 D '62.

PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Equipment for the automatic photography of curves from the screen of an electron oscilloscope. V. M. Kirpichnikov. Trudy Ural. politekh. inst. no. 110: 124-126 '62.

PHOTOGRAPHY—SOCIETIES, ETC.

(see also subdivision under Lvov; Magnitogorsk)

At our "Thursdays." S. Fridland. Sov. foto 22 no. 11: 21-23 N '62.

PHOTOGRAPHY, AERIAL

Methods for large-scale aerial photography. N. Bogomolov. Grazhd. av. 12 no. 2:17-18 F '65.

PHOTOGRAPHY, ARTISTIC see subdivision under Ukraine

PHOTOGRAPHY, HIGH-SPEED

Practice of rapid photographing of auroras. N. I. Dziubenko, I. A. Nadubovich. Geomag. i aer. 2 no. 6:1143-1144 N-D '62.

Signal for high-speed photography in flame detonation. I. T. Butenko and others. Met. i gornorud. prom. no. 5:84 S-O '62.

PHOTOGRAPHY, JOURNALISTIC

At the height of the struggle for grain (from pages of the newspaper "Sel'skaya zhizn"). S. Savol'ev. Sov. foto 22 no. 11:24 N '62.

Harvest days. A. Gerlona. Sov. foto 22 no. 11:6-9 N '62.

"Interpress Photo 1962." P. Benec. Sov. foto 22 no. 11: 11-19 N '62.

Useful discussion; seminar of news photographers in Prague. L. Porter, A. Stuzhin. Sov. foto 22 no. 12: 24 D '62.

What kind of pictures are needed for newspapers? G. Chudakov. Sov. foto 22 no. 12:10-11 D '62.

PHOTOGRAPHY, JOURNALISTIC—INTERNATIONAL COOPERATION

Address to all news photographers of the world. Sov. foto 22 no. 12:6 D '62.

Statutes of the International Organization of Journalists. Sov. foto 22 no. 12:6 D '62.

PHOTOGRAPHY, PARTICLE TRACK

Colloquium on particle track photography. G. H. Zhdanov. Vest. AN SSSR 33 no. 1:79-80 Ja '63.

PHOTOGRAPHY OF CLOUDS

Photographic methods for studying clouds. A. G. Babayev. Trudy Inst. geofiz. AN Uz. SSR 20:200-235 '62.

Photography of clouds. R. G. Golovko. Meteor. i gidrol. no. 1:45-52 Ja '63.

PHOTOMAGNETIC EFFECT

Nonsteady-state photomagnetic effect in germanium single crystals. V. A. Gridin, I. K. Kikoin. Zhur. eksp. i teor. fiz. 43 no. 6:2315-2317 D '62.

PHOTOMETERS

A photometer for checking lighting engineering plastics. V. S. Khozanov, I. A. Kratman. Svetotekhnika 9 no. 1: 18-21 Ja '63.

PHOTOMETRY, ASTRONOMICAL—STANDARDS

Decisions reached by the united conference of working groups on photometric standards of the Committee on Stellar Astronomy and Variable Stars of the Astronomical Council at the Academy of Sciences of the U.S.S.R., June 18, 1961. Astron. tsir. no. 224:37-38 Ag '61.

PHOTOMICROGRAPHY

Determination of distribution parameters by the optical method. S. S. Khmelevyayev. Izv. vys. ucheb. zav. i fiz. no. 6:173-174 '62.

PHOTONUCLEAR REACTIONS

Effect of the nuclear structure on the internal conversion factors of γ -rays. M. A. Listengarten. Izv. AN SSSR. Ser. fiz. 10 no. 12:1452-1458 D '62.

Nature of collective dipole excitations of atomic nuclei. V. V. Babashov. Izv. AN SSSR. Ser. fiz. 10 no. 12: 1459-1469 D '62.

Quasi-alpha particle mechanism underlying the photo-disintegration of carbon. V. N. Fetisov. Izv. AN SSSR. Ser. fiz. 10 no. 12:1525-1526 D '62.

PHOTOPERIODISM

Effect of intermittent lighting on the photoperiodic reaction and behavior of the moth *Acronycta rumicis* L. N. I. Goryshin, G. F. Tsveteva. Trudy PBI no. 19: 122-135 '62.

Effect of the length of day on the development of various onion species. A. A. Kazakova. Trudy po prikl. bot., gen. i sel. 31 no. 2:122-130 '57.

PHOTOSYNTHESIS

(see also subdivision under Pamirs)

Effect of organic nutrition on photosynthesis in *Scenedesmus quadricauda* (Turp.) Breb. [with summary in English]. L. H. Lytyvnenko. Ukr. bot. zhur. 19 no. 5:21-25 '62.

Origin of life on earth. A. Okaneneko. Nauka i zhyttia 12 no. 10:28-30 O '62.

Photosynthesis intensity of apple leaves within a single shoot [with summary in English]. K. S. Harnaha, O. K. Kondratuk. Ukr. bot. zhur. 19 no. 5:28-30 '62.

Studying aerial nutrition of buckwheat as related to pollination. Z. P. Pausheva. Agrobiologiya no. 6: 833-837 N-D '62.

Transformation of xanthophylls in partially reconstructed systems. D. I. Sapozhnikov and others. Bot. zhur. 47 no. 11:1650-1659 N '62.

PHOTOSYNTHESIS—CONGRESSES

International Congress of Biochemistry. 5th, Moscow, 1961. [Mechanism of photosynthesis; symposium VII] Mekhanizm fotosinteza; simpozium VI. Predsedateli: Kh. Tamila (Japanila), A. A. Krasnovskii (SSSR). Moskva, Izd-vo Akad. nauk SSSR, 1962. 386 p. (Ist. Trudy)

[MICROFILM]

PHthalAN

Hydroxydihydrofurans. Part 8: 3,3-dimethyl-tert-butylacetylenyl-1-hydroxyphthalan. T. G. Melenteva, L. A. Pavlova, E. D. Venus-Dandlova. Zhur. ob. khim. 33 no. 1:55-59 '63.

PHthalIC ANHYDRIDE—TOXICOLOGY

Toxicology of phthalic anhydride. Report No. 2. S. N. Kremeneva, M. S. Tolgskaya. Toks. nov. prom. khim. veshch. no. 4:35-43 '62.

PHYLOXERA—EXTERMINATION

Mechanization of the fumigation of soils in vineyards. E. E. Dlinov, S. I. Filimonov. Zashch. rast. ot vred. i bol. 5 no. 10:15-17 O '60.

PHYLOGENY

Ontogenesis and phylogenesis of the main blood vessels of the thoracic limb in mammals. P. M. Mazhuga. Pratsi Inst. zool. AN URSR 10:20-49 '62.

PHYLOGENY (BOTANY)

Development of new forms of beets. V. T. Kraschekin. Trudy po prikl. bot., gen. i sel. 31 no. 2:57-57 '57.

Evolution of tomatoes. D. D. Bryzhev. Trudy po prikl. bot., gen. i sel. 31 no. 2:13-17 '57.

PHYSICAL EDUCATION AND TRAINING

(see also subdivision under Greece)

Change in strength, speed and endurance under the influence of various amounts of exercise in teenagers and 14-20 year-old youths. K. L. Chernov. Dokl. APN no. 1:117-120 '62.

Great October Socialist Revolution as a source for the development of Soviet physical education. D. A. Kradman. Teor. i prak. fiz. kul't. 25 no. 11:4-6 N '62.

Guidance in students' research work. O. Khlazeva. Teor. i prak. fiz. kul't. 25 no. 11:78-79 N '62.

A health faculty. M. Gusatinskii. Mol. komm. no. 12: 84-85 D '62.

Khlazova, O. A., and I. P. Shevelev. [Physical education in the prevention and treatment of pneumoconiosis] Fizicheskaia kul'tura v profilaktike i lechenii pnevmo-konkrozov. Moskva, Medgiz, 1962. 24 p. (Nauchno-populiarnaya meditsinskaya literatura)

Let's bring methodological work in the field of physical education closer to life's requirements. I. I. Fedosov, V. B. Korenberg. Vest. vys. shkoly 20 no. 12:38-42 D '62.

On the right path. A. G. Mareev. Sred. spets. obr. 10 no. 1:38-39 Ja '63.

Physical education collective as a basis of the physical culture movement. E. I. Stizil. Teor. i prak. fiz. kul't. 25 no. 11:41-42 N '62.

Physical education should become a part of students' everyday life. B. N. Pivovarov, N. E. Malinovskii. Vest. vys. shkoly 20 no. 12:66-67 D '62.

Professional trend in the physical education of students in faculties and institutes of agricultural mechanization V. P. Zubynin. Teor. i prak. fiz. kul't. 25 no. 11:47-48 N '62.

PHYSICAL EDUCATION AND TRAINING—BIBLIOGRAPHY see Bibliography—Physical education and training

PHYSICAL EDUCATION AND TRAINING, MILITARY Daring Russian game. V. Ivanov. Sov. voen. 45 no. 2: 43 Ja '63.

PHYSICAL EDUCATION FOR CHILDREN

Coordination of sensory and "logical" components in the formation of movement concepts in gymnastic students. E. N. Surkov. Dokl. APN no. 2:107-110 '62.

Development of manual coordination in students. V. P. Nazarova. Dokl. APN no. 2:103-106 '62.

PHYSICAL GEOGRAPHY

(see also subdivision under Adzharia; Antarctic regions; Central Black Earth region; Georgia; Ussok Pinteau; Yakutia)

Physico-geographical regionalization. N. A. Gvozdetaki, A. G. Isachenko. Izv. Vses. geog. ob-va 94 no. 6:450-464 N-D '62.

PHYSICAL GEOGRAPHY—BIBLIOGRAPHY see Bibliography—Physical geography

PHYSICAL METALLURGY

Application of micro-X-ray spectral analysis in physical metallurgical investigation. S. B. Maslennikov, T. V. Egorshina. Zn. lab. 28 no. 12:1443-1446 '62.

Effect of purity on the nature of ordering in Cu-Al solid solutions. Part 2. V. P. Fadin, V. E. Panin. Izv. vys. ucheb. zav. i fiz. no. 6:85-89 '62.

Rabinovich, M. Kh. [Strength and superstrength of metals] Prochnost' i sverkhprochnost' metallov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 197 p. (Nauchno-populiarnaya seriya)

PHYSICAL METALLURGY—CONGRESSES

Scientific session on the physicochemical mechanics of materials. V. T. Stepurenko. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:214-215 N-D '62.

PHYSICAL OPTICS see Optics, Physical

PHYSICAL THERAPY

Shimanko, I. I. [Physical therapy of surgical diseases and the sequelae of injuries] Fizioterapiya khirurgicheskikh zabolevani i posledstviy travmy. Moskva, Medgiz, 1962. 203 p.

Sovetov, V. N. [Physiotherapy without apparatus] Neapparatnaya fizioterapiya; posobie dlia prakticheskikh vrachei. Kiev, Gosmedizdat USSR, 1961. 272 p. (DNLM)

PHYSICALLY HANDICAPPED—EMPLOYMENT

(see also subdivision under Tatar A.S.S.R.)

Employment and rehabilitation of the handicapped. K. Romanova and others. Sots. obesp. 23 no. 12:26-33 D '62.

Privileges for the physically handicapped. R. Kafa. Sots. obesp. 23 no. 12:53-55 D '62.

PHYSICALLY HANDICAPPED—REHABILITATION

(see also subdivision under Moscow)

About the past and the present. . . M. Finster. Sots. obesp. 24 no. 1:40-43 Ja '63.

Deep roots. L. Ryzhov. Sots. obesp. 23 no. 9:40-40 S '62.

Employment and rehabilitation of the handicapped. K. Romanova and others. Sots. obesp. 23 no. 12:26-33 D '62.

They have no contact with life. V. Chel'isov. Sots. obesp. 23 no. 9:50-51 S '62.

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—CONGRESSES

At the Council on the Problem of "Solid State Physics." V. L. Bonch-Bruyevich. Vest. AN SSSR 33 no. 1:109 Ja '63.

Conference on the Theory of Shells and Plates. A. N. Volkov. Vest. AN SSSR 33 no. 1:123 Ja '63.

PHYSICS—EXPERIMENTS

Demonstrations of the physical properties of dielectrics. V. M. Dukov. Izv. vys. ucheb. zav. i fiz. no. 6:44-47 '62.

PHYSICS—PERIODICALS

Conference of readers of "Inzhenerno-fizicheskii Zhurnal" and the international journal "Teplo- i Massopere-nos" at Kiev. Inzh.-fiz. zhur. 9 no. 1:128-130 Ja '63.

Seventy-five volumes of optimism. D. Danin. Nauka i zhizn' 20 no. 11:72-76 N '62.

PHYSICS—PHILOSOPHY

"Obvious? No, not investigated yet..." V. Smilga. Reviewed by L. Finkel'shteyn. Znan.-aia 37 no. 10: 46-47 O '62.

PHYSICS—PROBLEMS, EXERCISES, ETC.

Lukashik, V. I. [Questions and problems in physics for eight-year schools; a textbook for teachers] Sbornik voprosov i zadach po fizike dlia vos'miletnei shkoly; posobie dlia uchitelia. Moskva, Uchpedgiz, 1962. 168 p.

PHYSICS—STUDY AND TEACHING

Device for demonstrating the law of conservation of moment of momentum. V. A. Moshchanskii. Izv. vys. ucheb. zav. i fiz. no. 6:178 '62.

Interconnection between the teaching of physics, production training and student work in agriculture. A. I. Bugaev. Dokl. APN no. 2:9-12 '62.

PHYSICS — STUDY AND TEACHING (Continued)

- Introducing the lecture and practice method in the teaching of physics. H. V. Kravchenko. *Rad. shk.* 41 no. 12:44-47 D '62.
- Role of experimental analysis in the assimilation of physical concepts by students. O. P. Terekhova, R. V. Chub. *Dokl. APN* no. 2:29-34 '62.
- Should physics have a narrow specialization? G. P. Jonaitis. *Vest. vys. shkoly* 20 no. 12:25-27 D '62.
- Studying the fundamentals of thermal power in the school course on physics. L. P. Svitkov. *Dokl. APN* no. 1: 47-50 '62.
- A universal electrometer for lecture demonstrations. V. M. Dukov. *Izv. vys. ucheb. zav.* no. 5:170-171 '62.

PHYSIOLOGICAL EFFECT OF LIGHT ON PLANTS see Plants, Effect of light on

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

PHYSIOLOGY

- Change in strength, speed and endurance under the influence of various amounts of exercise in teenagers and 14-20 year-old youths. K. L. Chernov. *Dokl. APN* no. 1:117-120 '62.

PHYTOGEOGRAPHY

- (see also subdivision under Balkal Lake region; Daghestan; Kara Kum; Transbaikalia; Ural Mountains)

Tolmachev, A. I. [Fundamentals of the study of the ranges of plants; introduction to the chorology of plants] *Osnovy ucheniya ob arealakh; vvedenie v khoro-logiyu rastenii*. [Leningrad] Izd-vo Leningrad. univ., 1962. 99 p.

PHYTOGEOGRAPHY—CONGRESSES

- Geobotanical Conference in Rumania. E. P. Matveeva. *Vest. AN SSSR* 33 no. 1:87-88 Ja '63.

PHYTOPATHOGENIC BACTERIA see Bacteria, Phytopathogenic

PHYTOPHTHORA

- Determining tomato resistance to Phytophthora. N. D. Khrobrykh. *Trudy po prikl. bot., gen. i sel.* 31 no. 2: 191-196 '57.

PHYTOPLANKTON see subdivision under Dnieper River; Pripiet River; Ural River

PHYTOSOCIOLOGY

- Phytocenotic role of physiologically active plant secretions; review of literature. A. M. Hrodzina'skiy. *Ukr. bot. zhur.* 18 no. 5:3-20 '62.

PIANO—COMPETITIONS see subdivision under United States

PIANO MAKERS see subdivision under Borisov

PIATRA-NEAMT, ROMANIA—SOCIAL CONDITIONS

- The town where nothing ever happened. L. Kovinskii. *Nov. vrem.* 20 no. 2:25-27 Ja '63.

PICCARD, AUGUSTE, 1884-1962

- Another "missing link"? *Vsem. stud. nov.* 16 no. 5/6: 24 My-Je '62.

PICOLINE

- Colorimetric determination of γ -picoline in the technical β -picoline fraction. E. M. Gepstein. *Zav. lab.* 28 no. 12:1438 '62.

PICTURE POST-CARDS see Postal cards

PIEZOELECTRICITY

- Inverse piezoeffect on Z-cuts of guanidine aluminum sulfate crystals. I. S. Zheludev, V. S. Lelekov. *Kristallografiya* 7 no. 3:463-465 My-Je '62.

PIGMENTS

- Colorimetric determining of aluminum in titanium dioxide pigments. V. A. Malevannyi. *Lakokras. mat. i kh. prim.* no. 6:54-56 '62.

Interaction between mineral pigments and components of the dispersion medium studied by means of sedimentation analysis [with summary in English]. A. I. Shutova, E. M. Aleksandrova. *Koif. zhur.* 24 no. 6:752-754 N-D '62.

- Some development trends in the field of pigments for the lacquer and paint industry. I. N. Sapgir. *Lakokras. mat. i kh. prim.* no. 5:1-3 '62.

PIGMENTS—TESTING

- Rapid method of determining the dispersion composition of titanium dioxide pigments. I. U. A. Bobyrenko, I. U. D. Dolmatov. *Lakokras. mat. i kh. prim.* no. 6:52-53 '62.

PIKE see subdivision under Dnieper River; Kremenchug Reservoir

PILING (CIVIL ENGINEERING)

- Determining the pressure of a vibrating pile on the soil taking into account the phenomenon of breaking away. S. A. Osmakov. *Osn., fund. i mekh. grun.* 4 no. 6:21-23 '62.

Pile foundations in permafrost. M. Kim and others. *Stroitel'* 8 no. 11:3-4, 4 of cover N '62.

PILING (CIVIL ENGINEERING)—CONGRESSES

- Problems of the mechanization of piling operations (results of a coordinating conference). M. I. Smorodinov. *Osn., fund. i mekh. grun.* 4 no. 5:25-29 '62.

PILLS

- Are pills out of date as a medicinal form? M. T. Aluehin. *Apt. delo* 12 no. 3:51-53 My-Je '62.

PILOTS AND PILOTAGE see subdivision under Sweden; Ukraine

PINE

- (see also subdivision under Dnieper Valley; Kazakhstan; Kuybyshev; Latvia; Moscow Province; Siberia; Soviet Far East; Sunny Province; Tsyurupinsk District)

Biochemical and enzymatic activity of forest litter in pine plantations [with summary in English]. V. P. Kornev. *Pochvovedenie* no. 11:109-114 N '62.

PINE—DISEASES AND PESTS see subdivision under Karelia

PINEGA DISTRICT—COOPERATIVE SOCIETIES

- Successes of the Pinega purchasing agents. P. Gagarskii. *Sov. potreb. koop.* 8 no. 12:40-41 D '62.

PINK BOLLWORM—BIOLOGICAL CONTROL

- Parasite of the pink bollworm *Dibachys cayus* Walker. R. S. Kolod'ko. *Zashch. rast. ot vred. i bol.* 5 no. 7: 48 Ji '60.

PIONEERS (COMMUNIST YOUTH)

- (see subdivision under Astrakhan Province; Ukraine; White Russia)

A beacon must light up! *Komsom. zhizn'* no. 21:10-13 N '62.

Beyond the Arctic circle. A. Smirnova. *Sov. Kras. krest* 12 no. 4:10 Ji-Ag '62.

Pedagogical problems of the Pioneer organization. F. F. Korolev. *Sov. pedagog.* 26 no. 8:63-73 Ag '62.

Pioneer echelons. *Komsom. zhizn'* no. 22:0-10 N '62.

Pioneer organization reaches manhood. Z. Gur'ianova, M. Alekseev. *Nar. chr.* no. 1:77-81 Ja '63.

Running start. L. Kuybyshev. *IUn. nat.* no. 12:1-2 D '62.

PIONEERS (COMMUNIST YOUTH)—PERIODICALS

- We invite you to the "leaders' club." A. Iakovleva. *Komsom. zhizn'* no. 19:23 O '62.

PIPE

- Efficiency promotion and invention. *Stroi. truboprov.* 7 no. 12:22 D '62.

Machining of the inner surface of pipes using the rotor of an asynchronous motor. R. R. Parts. *Izv. vys. ucheb. zav.; elektromekh.* 5 no. 11:1303-1305 '62.

PIPE—TESTING

- Ultrasonic flaw detection in pipelines. E. I. A. Vekster, V. P. Krivusha. *Energetik* 11 no. 1:10-11 Ja '63.

PIPE—TRANSPORTATION

- Transportation of pipe section of any diameter on the ZIL-164 and KAZ-585 pipe carriers. *Prom. stroi. i inzh. soor.* 4 no. 5:54-55 S-O '62.

PIPE—WELDING

- Resistance welding of pipe by means of high-frequency currents. R. V. Golovkin, I. U. F. Shevakin. *Sbor. Inst. stali i splav.* no. 40:450-464 '62.

PIPE, CAST IRON

- Casting pressure pipe of cast iron with spheroidal graphite. M. R. TSin and others. *Met. i gornorud. prom.* no. 5:37-41 S-O '62.

PIPE, CAST IRON—MAINTENANCE AND REPAIR

- Reconditioning by welding of a cast iron transmitter pipeline. K. N. Kravchenko. *Svar. proizv.* no. 7:31-32 Ji '62.

PIPE, CONCRETE

- Manufacturing precast concrete pipes for city engineering. I. Z. Simushkevich, A. I. Shur. *Gor. khoz. Mosk.* 36 no. 1:33-37 Ja '62.

Mikhailov, V. V. [Modern methods of manufacturing reinforced-concrete pressure pipes] *Sovremennye metody izgotovleniya napornykh zhelezobetonnykh trub*. Moskva, Gostoptekhnizdat, 1962. 63 p.

[MICROFILM]
Pressure pipes molded by vibration and hydraulic pressure and ways to improve them. A. N. Popov. *Izv. ASIA* 4 no. 4:26-33 '62.

PIPE, COPPER

- Basic principles of grooving design for the cold rolling of rectangular pipes of nonferrous metals and alloys. A. M. Rytikov, I. U. F. Shevakin. *Sbor. Inst. stali i splav.* no. 40:360-380 '62.

PIPE, GLASS

- Calculations for the strength of glass pipes laid in the ground. B. V. Pashchenko. *Stek. i ker.* 19 no. 12:10-12 D '62.

PIPE, PLASTIC

- Plastic pipes used in drainage. V. N. Gorinskii. *Vod. i san. tekhn.* no. 12:26-28 D '62.
- Stabilization of polyolefins for pipes used in agriculture. P. I. Levin. *Plast. massy* no. 11:43-44 '62.

PIPE, STEEL

- Drawing of the pipe ends of pipe from stainless steel. A. V. Abramov. *Energomaashinostroenie* 8 no. 12: 38 D '62.

Ferromagnetic probe detection of fine surface cracks in steel rods and pipes. N. N. Zaitsepin. *Zav. lab.* 28 no. 12:1465-1466 '62.

Research carried out at the Urals Ferrous Metals Research Institute. N. S. Smirnov and others. *Stal'* 22 no. 12:1107 D '62.

PIPE, STEEL—TESTING

- Effect of the number of unit deformations on changes in the mechanical properties of steel. I. U. F. Shevakin, S. A. Naumov. *Sbor. Inst. stali i splav.* no. 40:439-442 '62.

PIPE, STEEL—WELDING

- Automatic welding of small-diameter stainless steel pipe. V. A. Rykov. *Stroi. truboprov.* 7 no. 12:20 D '62.

PIPE, TITANIUM

- Extrusion of a pipe billet of titanium and its alloys. I. U. F. Shevakin, I. U. I. Rusanovich, I. U. I. Potapenko. *Sbor. Inst. stali i splav.* no. 40:443-450 '62.

Roll grooving for the cold rolling of titanium alloy tube. I. U. F. Shevakin, I. U. I. Rusanovich. *Sbor. Inst. stali i splav.* no. 40:381-387 '62.

PIPE BENDING

- Bending pipes by the spinning and stretching method. A. I. Sivokobyl'skii. *Mashinostroenie* no. 121-123 S-O '62.

PIPE FITTING

- Baffling and expanding pipes on lathes. P. R. Markov. *Mashinostroitel'* no. 12:32 D '62.

PIPE FITTINGS

- A clamp. V. Kul'chenko. *Prom. stroi. i inzh. soor.* 4 no. 5:52-53 S-O '62.

PIPE JOINTS

- Connecting pipes with epoxy adhesives. I. M. Lunev. *Vest. mashinostr.* 42 no. 12:32-33 D '62.

PIPE-LAYING MACHINERY

- Effect of live loads on the longitudinal stability of pipe-laying machinery. A. I. Gal'perin, V. A. Slavov, V. K. Andrienko. *Stroi. truboprov.* 7 no. 12:15-18 D '62.

Scraper and spoils remover. M. I. Kuznetsov. *Stroi. truboprov.* 7 no. 12:27-28 D '62.

PIPE MILLS

- (see also subdivision under Georgia; Pervouralsk)

Action of forces on the roughing rolls of a diagonal rolling mill. P. I. Polukhin, R. M. Golubechik, S. P. Karpov. *Sbor. Inst. stali i splav.* no. 40:294-314 '62.

Adopting three-line pipe drawing mills of the "Sphern" firm. B. A. Egorov, K. T. Kim. *TSvol. met.* 35 no. 9: 79-85 S '62.

Analyzing the mechanism of mandrel shifting for KhPT mills. V. A. Postnikov. *Trudy Ural. politekh. inst.* no. 110:67-77 '62.

Basic principles of grooving design for the cold rolling of rectangular pipes of nonferrous metals and alloys. A. M. Rytikov, I. U. F. Shevakin. *Sbor. Inst. stali i splav.* no. 40:360-380 '62.

Character of unit pressure distribution in diagonal rolling. V. I. A. Osadchii. *Sbor. Inst. stali i splav.* no. 40:330-342 '62.

Deformation and stress condition of the metal in the roller expansion of pipe. I. U. F. Shevakin, F. S. Seidaltsev. *Sbor. Inst. stali i splav.* no. 40:385-404 '62.

Determination of groove width on automatic rolling mills. V. I. A. Osadchii. *Sbor. Inst. stali i splav.* no. 40:330-334 '62.

Determining reductions in the cold rolling of pipe. I. U. F. Shevakin and others. *Sbor. Inst. stali i splav.* no. 40: 413-421 '62.

Determining the magnitude of metal reduction in an instantaneous deformation center. I. U. F. Shevakin. *Sbor. Inst. stali i splav.* no. 40:361-368 '62.

Direction of pipe mill reorganization. N. F. Ermolaev. *Stal'* 22 no. 12:1103 D '62.

Effect of mill kinematics on force parameters. I. U. F. Shevakin, S. A. Naumov. *Sbor. Inst. stali i splav.* no. 40:422-430 '62.

Effect of the number of unit deformations on the energy consumption in the cold rolling of pipe. I. U. F. Shevakin, S. A. Naumov. *Sbor. Inst. stali i splav.* no. 40:431-433 '62.

Geometry of the center of deformation during pipe expansion of transverse rolling. I. U. F. Shevakin, F. S. Seidaltsev. *Sbor. Inst. stali i splav.* no. 40:388-394 '62.

Improving conditions of heating a pipe blank. N. S. Kirvaldza, A. I. A. Dergach, V. D. Samoilenko. *Metallurg* 8 no. 1:27-28 Ja '63.

Improving the grooving of roughing rolls of unit 400 plug rolling mills. P. I. Polukhin and others. *Sbor. Inst. stali i splav.* no. 40:310-326 '62.

Investigating the kinematics of the plug rolling process. P. I. Polukhin and others. *Sbor. Inst. stali i splav.* no. 40:315-318 '62.

PIPE MILLS (Continued)

Joint purification of acid sewage and sewage containing mazut, both from pipe rolling. S. E. Kodes, K. L. Ushkovskaya. *Vod. i san. tekhn.* no. 12:10-12 D '62.

Mechanism of the plastic deformation of titanium alloy tubes in the reduction process. I. F. Shevakin, I. I. Rasinovich. *Sbor. Inst. stal i splav.* no. 40:405-412 '62.

Metal pressure on the rolls of a three-high reeling mill of diagonal rolling. I. M. Pavlov, A. M. Musikhin, V. I. A. Osadchii. *Sbor. Inst. stal i splav.* no. 40:335-337 '62.

Potentialities of pipe reduction in automatic pipe mills. G. I. Guliayev. *Met. i gornorud. prom.* no. 5:33-36 S-O '62.

Power and energy consumption in the plug rolling of pipe. P. I. Polukhin and others. *Sbor. Inst. stal i splav.* no. 40:343-349 '62.

Rated grooving for the cold rolling of pipe. I. F. Shevakin. *Sbor. Inst. stal i splav.* no. 40:350-360 '62.

Roll grooving for the cold rolling of titanium alloy tube. I. F. Shevakin, I. I. Rasinovich. *Sbor. Inst. stal i splav.* no. 40:361-367 '62.

Roll grooving for three-high reeling mills of diagonal rolling. A. M. Musikhin, I. M. Pavlov, V. I. A. Osadchii. *Sbor. Inst. stal i splav.* no. 40:327-329 '62.

Shock absorbers of pneumatic pushers of pipe rolling mills. A. P. Krisanov. *Vest. mashinostr.* 42 no. 12: 37-39 D '62.

PIPE THREADS see Screw threads

PIPELINES

(see also subdivision under Siberia, Western)

Forming holes in the ice by the explosion of a blasting fuse in laying pipelines. B. L. Rodionov, P. L. Tereshchenko. *Transp. stroit.* 12 no. 12:27-29 D '62.

Helicopters in the construction of pipelines. P. P. Tarapylgin. *Stroi. truboprov.* 7 no. 12:29 D '62.

PIPELINES—ABSTRACTS

[Pipeline transportation] *Ref. zhur.* Old, vyp. 46: Trub, transp. no. 1 Ja '63.

PIPELINES—BUILDINGS AND STRUCTURES

Buildings for the equipment of the radio relay communication line. A. N. Kroshko. *Stroi. truboprov.* 7 no. 12: 11 D '62.

PIPELINES—CORROSION

Using plastic bands for protecting underground pipelines against corrosion. V. F. Negrev, G. A. Allahverdiev, G. Sh. Mekhtieva. *Azerb. neft. khoz.* 41 no. 8:45-46 Ag '62.

PIPELINES—SAFETY MEASURES

Gurovskii, N. A. [Handbook on accident prevention for the pipeline worker when installing outdoor pipelines] Pamiatka po tekhnike bezopasnosti dlia trubokladchika pri montazhe truboprovodov naryzhnykh setei. 2, perer. i dop. izd. Moskva, Gosstroizdat, 1962, 15 p. (Tekhnika bezopasnosti v stroitel'stve)

PIPERAZINONE

2,2,7,7-Tetramethyl-5-homopiperazine-nitric oxide, a new stable free radical. E. G. Rozantsev, R. A. Papko. *Izv. AN SSSR. Otd. khim. nauk* no. 12:2254 D '62.

PIPERIDINEMETHANOL

N-piperidinecarbinol. R. G. Kostianovskii, O. A. Pan'shin. *Izv. AN SSSR. Otd. khim. nauk* no. 1:102-106 '63.

PIPERIDONE

Preservation of the free valency in the reduction of the 2,2,6,6-tetramethyl-γ-piperidone-nitric oxide radical according to Kitzner's reaction. E. G. Rozantsev, I. U. G. Mamedova, M. B. Nelman. *Izv. AN SSSR. Otd. khim. nauk* no. 12:2250-2251 D '62.

PITROWSKY REACTION see Diuret reaction

PITTOSPORUM see subdivision under Black Sea region

PITUITARY BASOPHILISM see Cushing syndrome

PITUITARY BODY

Changes in the hormonopoesis and cellular composition of the anterior lobe of the hypophysis [with summary in English]. L. A. Us. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:260-255 '61.

Effect of extracts of the hypothalamus and the posterior lobe of the pituitary body on the secretion of the luteinizing hormone. I. A. M. Kabak, E. V. Sokolova. *Dokl. AN SSSR* 147 no. 6:1516-1519 D '62.

Thyretropic function of the hypophysis in experimental tuberculosis [with summary in English]. T. K. Dzibinskaya, N. C. Tsarikovskaya. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:103-107 '61.

PITUITARY HORMONES

Changes in the hormonopoesis and cellular composition of the anterior lobe of the hypophysis [with summary in English]. L. A. Us. *Trudy Ukr. nauch.-issl. eksper. endok.* 18:250-255 '61.

Correlation between the content of follicle-stimulating hormone in the hypophysis and in the peripheral blood [with summary in English]. R. D. Viazovskaya. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:256-264 '61.

Effect of hormone therapy on the content of follicle-stimulating hormone in the blood of women with a climacteric syndrome [with summary in English]. L. M. Shifman. *Trudy Ukr. nauch.-issl. inst. eksper. endok.* 18:315-322 '61.

PITWOOD

Where to bark mine supports? D. Kramarenko. *Les. prom.* 40 no. 10:30 O '62.

PLAGUE—PREVENTIVE INOCULATION

Simultaneous vaccination by the epicutaneous method against plague, brucellosis and tularemia. B. R. Uzbekova, M. F. Shmuter, G. A. Abdullina, Zdrav. Kuzakh. 22 no. 7:63-68 '62.

PLAINS—CLASSIFICATION

Results of the genetic classification of continental plains. V. P. Filosof. *Uch. zap. SGU* 55:189-206 '59.

PLANES (HAND TOOLS)

Reducing the dynamic loads and increasing the operating stability of planes. I. U. D. Krasnikov. *Nauch. soob. IGD* 14:49-54 '62.

PLANETS—OBSERVATIONS

First results of the observations of major planets with the vertical circle of the Main Astronomical Observatory. A. S. Kharin, G. V. Moroz. *Astron. tsir.* no. 227: 3-5 F '62.

PLANETS, MINOR

Improvement of orbital elements of Baklund's 856 minor planet. O. J. Rudis. *Astron. tsir.* no. 227: 2-3 F '62.

Study of the minor bodies of the solar system; astronomical conference at Baku. E. A. Grebenikov, V. G. Demin. *Vest. AN SSSR* 33 no. 1:120-127 Ja '63.

PLANKTON see subdivision under Black Sea; Markha River; Tyung River

PLANT BREEDING

Into the cup of plenty. I. U. N. nat. no. 12:13 D '62. New forms of plants. V. P. Zosymovich. *Nauka i zhytla* 12 no. 9:48 S '62.

Using the collection of the All-Union Institute of Plant Culture in breeding. R. Blakherova. *Vest. sel'khoz. nauk* 7 no. 11:154-155 N '62.

PLANT BREEDING—CONGRESSES

International symposium on Michurin's breeding methods. P. E. Sudnov. *Agrobiologiya* no. 6:223-224 N-D '62.

Scientific conference in the T. D. Lysenko All-Union Institute of Breeding and Genetics. F. K., K. P. *Vest. sel'khoz. nauk* 7 no. 10:146-153 O '62.

PLANT BREEDING—RESEARCH

Leningrad. Institut rastenievodstva. [Papers by post-graduate students and young science research workers] *Sbornik rabot aspirantov i molodykh nauchnykh sotrudnikov.* Leningrad, 1959, 239 p. (DNAL)

PLANT BREEDING—TERMINOLOGY

Terminology in plant breeding and seed growing, a project accepted by the Committee on Latvian Terminology of the Latvian Academy of Sciences [parallel texts in Latvian and Russian]. *Izv. AN Latv. SSR* no. 10:140-154 '62.

PLANT CELLS AND TISSUES

Characteristics of cytoplasmic and chloroplast streaming in the leaf cells of *Elodea canadensis* [with summary in English]. S. V. Tagaeva, E. N. Kazantsev. *Izv. AN SSSR. Ser. biol.* no. 6:885-895 N-D '62.

PLANT COMMUNITIES see subdivision under Ushakovka Valley

PLANT CUTTINGS

Biological characteristics of root formation in grapevine cuttings. B. S. Ermakov. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11:130-144 '62.

Propagating coniferous species by cuttings in movable hotbeds. M. I. Dokuchaeva. *Les. khoz.* 15 no. 11:30-41 N '62.

Vegetative reproduction of the mock orange *Philadelphus latifolius* Schrad. V. O. Mark. *Visnyk Bot. suda AN URSR* no. 4:3-4 '62.

PLANT DISEASES

Discussion on silicate bacteria. M. S. Dunin. *Zashch. rast. ot vred. i bol.* 4 no. 5:29-32 S-O '59. Hydrophobic method in controlling plant diseases. *Visnyk sil'khoz. nauky* 5 no. 12:100-107 D '62.

PLANT LICE—EXTERMINATION see subdivision under Ukraine

PLANT INTRODUCTION

(see also subdivision under Dushanbe; Kiev; Latvia; Uzbekistan) Promising oak species of Korea for introduction into the U. S. S. R. V. M. Ivanov. *Blul. Glav. bot. sada* no. 47:7-13 '62.

Rhythmics of the vegetation of introduced evergreen plants in the subtropical regions of the U. S. S. R. G. T. Gutiev. *Blul. Glav. bot. sada* no. 47:13-22 '62.

PLANT PHYSIOLOGY

(see also subdivision under Pamirs)

Effect of root microflora on the activity of physiological processes in plants. E. Kh. Rempe, O. G. Galitova. *Agrobiologiya* no. 6:866-878 N-D '62.

Genkel', P. A. [Plant physiology and the principles of microbiology] *Fiziologiya rastenii s osnovami mikrobiologii; uchebnik dlia pedagogicheskikh institutov.* Izd. 2., perer. i ispr. Moskva, Uchpedgiz, 1962, 535 p.

Role of plant physiology in agricultural research [with summaries in English, German, and French]. G. B. Ermilov. *Vest. sel'khoz. nauk* 7 no. 11:60-63 N '62.

Rzhanova, E. I. [Subject, methods, and problems of the biology of the development of higher plants; lecture from a course in the biology of plant development] *Predmet, metody i zadachi biologii razvitiia vysshikh rastenii; teksty iz kursa "Biologiya razvitiia rastenii."* [Moskva] Izd-vo Mosk. univ., 1962, 30 p.

"Short laboratory manual on plant physiology" [in German] by Leo Brauner, Franz Bukatsch. Reviewed by Z. M. Eldel'man. *Bot. zhur.* 47 no. 11:1689-1690 N '62.

Some indices of vital processes in the species of the genus *Eremurus*. E. I. Komizerko. *Blul. Glav. bot. sada* no. 47:32-38 '62.

Trees don't sleep even in winter... E. Oknina, A. Bohrisheva. *Nauka i zhizn'* 29 no. 11:101 N '62.

PLANT POPULATIONS

Some results of the study on the populations of higher plants. K. M. Zavadskii and others. *Trudy PBI* no. 10:17-34 '62.

PLANT QUARANTINE

(see also subdivision under Armenia; Odessa; Stavropol Territory; United States; Vladivostok)

More attention to quarantine. I. A. Churaeva. *Zashch. rast. ot vred. i bol.* 5 no. 7:1-3 Ji '60.

Quarantine regulations for the import and marketing of fruits. *Zashch. rast. ot vred. i bol.* 5 no. 10:45-46 O '62.

Raspberry diseases not existing in the U. S. S. R. O. B. Natal'ina. *Zashch. rast. ot vred. i bol.* 5 no. 11:51-52 N '60.

Strengthen the control of seed transportation. N. P. Tikhin. *Zashch. rast. ot vred. i bol.* 4 no. 5:47-48 S-O '59.

The way is barred to foreign cotton pests. A. K. Markin. *Zashch. rast. ot vred. i bol.* 2 no. 6:49-51 N-D '57.

PLANTERS (AGRICULTURAL MACHINERY)

The 2 STSN-6 sugar-beet planter for even seeding. B. F. Kusnetsov. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 12:53-55 '62. Use of high-speed motion picture techniques for studying the distribution of seeds by a planter. N. E. Avdeev. *Mekh. i elek. sots. sel'khoz.* 20 no. 6:15-16 '62.

PLANTS see subdivision under Tanganyika

PLANTS—ASSIMILATION

Effect of temperature on the assimilation of nutritive substances by leguminous plants. O. V. Tulinina. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11:246-249 '62.

PLANTS—CHEMICAL ANALYSIS

Changes in the chemical composition of perennial Egyptian onion during its growth. I. I. Ershov, V. D. Brumshstein. *Biokhim. pl. i oveshch.* no. 7:230-239 '62.

Determining prussic acid in sorgo [with summaries in English, German, and French]. A. F. Sysoev. *Vest. sel'khoz. nauk* 7 no. 10:110-112 O '62.

PLANTS—DISEASE AND PEST RESISTANCE

Evaluating the resistance of plants to facultative parasites. E. E. Goshche. *Agrobiologiya* no. 6:885-891 N-D '62.

Intensify research on plant immunity. B. V. Iakovlev. *Zashch. rast. ot vred. i bol.* 5 no. 11:60-61 N '60.

PLANTS—DISEASES AND PESTS see subdivision under United States

PLANTS—EVOLUTION

Avakian, A. A. [Biology of the development of agricultural plants] *Biologiya razvitiia sel'skokhoziaistvennykh rastenii.* 2. izd. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962, 485 p. (DNAL)

Evolution of protein complexes in seeds and the evolution of flowering plants [with summary in English]. A. V. Blagoveshchenskii. *Izv. AN SSSR. Ser. biol.* no. 6:845-856 N-D '62.

PLANTS—FROST RESISTANCE

(see also subdivision under Tien Shan) Dormancy and winter hardiness of apple trees in Sakhalin. T. G. Voronova. *Vest. sel'khoz. nauk* 7 no. 6:119-122 My '62.

- PLANTS — FROST RESISTANCE (Continued)**
Dynamics of amino acids and different sugars in woody plants of various winter hardiness. I. V. Borzakova. *Visnyk Bot. sada AN URSS* no. 4:51-57 '62.
Effect of temperature during the formation and ripening of tomato seeds on the increase in the cold resistance of following progenies. M. V. Syskova. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:104-110 '57.
Improvement in the low-temperature resistance of citrus plants. Z. N. Ladarina. *Subtrop. kul't.* no. 1: 43-50 '62.
- PLANTS—METABOLISM**
Carbohydrate and nitrogen metabolism in the meadow plants of the Pamirs. R. M. Reimus. *Trudy Bot. inst. AN Tadzh. SSR* 18:202-233 '62.
Effect of γ -irradiation of tubers on the carbohydrate and protein metabolism in potato plants. A. I. Grechushnikov, V. S. Serebrennikov. *Biokhim. pl. i oveshch.* no. 7:51-59 '62.
Organic acids in plants, their physiological role and possibilities for practical use. V. A. Chesnokov, G. Kh. Zhabotinskii, N. L. Il'inskaya. *Trudy PBI* no. 10:57-87 '62.
Organic acids of higher plants and their conversion in metabolism. S. V. Soldatenkov. *Trudy PBI* no. 10:35-56 '62.
Some characteristics of metabolism in young and old grapevines. B. I. Biblina, E. N. Kirillova, L. F. Savchenko. *Vop. fiziol. i biokhim. kul't. rast.* no. 1: 90-96 '62.
- PLANTS—NUTRITION**
Effect of the depth of plowing on the nutrition of corn from soil. S. D. Lysogorov, L. K. Lenats. *Agrobiologiya* no. 6:882-885 N-D '62.
Interrelations among plants of the same species in the process of nutrition [with summaries in English, German, and French]. I. I. Siniagin. *Vest. sel'khoz. nauki* 7 no. 5:127-133 My '62.
"Plant nutrition from soil is the basic problem of agricultural research" by T. D. Lysenko. Reviewed by P. I. Krulin. *Zemledelie* 24 no. 11:91-95 N '62.
"Root nutrition of plants", lecture for correspondence students of the Faculty of Agronomy by A. S. Morozov. Reviewed by I. Sidorov. *Zemledelie* 24 no. 12:87 D '62.
Theoretical principles and methods of estimating the conditions of nutrition and the availability of water for a given plant yield. A. K. Filippovskii. *Izv. Kir. fil. Vses. ob-va pochn.* no. 1:73-78 '62.
- PLANTS—TRANSPIRATION**
Some features of the transpiration of Japan clover seedlings grown from seeds of various geographical origins. P. G. Targom, Uch. zap. Tifl. gos. ped. inst. no. 9:189-200 '60.
Transpiration of fruit trees in winter [with summaries in English, German, and French]. T. I. Gortin. *Vest. sel'khoz. nauki* 7 no. 5:114-118 My '62.
- PLANTS—WATER REQUIREMENTS**
(see also subdivision under Pamirs)
Theoretical principles and methods of estimating the conditions of nutrition and the availability of water for a given plant yield. A. K. Filippovskii. *Izv. Kir. fil. Vses. ob-va pochn.* no. 1:73-78 '62.
- PLANTS, EFFECT OF ARIDITY ON**
Increasing the drought resistance and yields of tomatoes. K. L. Mart'ianova, Z. P. Gubanova, V. K. Zhurikhina. *Vest. sel'khoz. nauki* 7 no. 5:40-41 My '62.
Scotch pine on sands of the lower Dnieper Valley during the drought season. V. N. Vtogradov. *Bot. zhur.* 47 no. 11:1675-1680 N '62.
- PLANTS, EFFECT OF CHEMICALS ON**
Emulsifiers for phosphorus organic poisons. P. I. Mitrofanov, S. N. Terent'ev. *Zashch. rast. ot vred. i bol.* 5 no. 5:40-41 My '60.
- PLANTS, EFFECT OF GAMMA RAYS ON**
Behavior of potato varieties in a gamma-field. I. U. A. Meshechkin. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:197-203 '62.
Effect of some growth promoting factors on spruce seedlings. M. I. Onys'kiv. *Visnyk sil'khoz. nauky* 5 no. 12:89-90 D '62.
- PLANTS, EFFECT OF HYDROGEN-ION CONCENTRATION ON**
Effect of the pH soil on the functions of leaves in apple trees. G. V. Shishkova. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:80-89 '62.
- PLANTS, EFFECT OF INSECTICIDES ON**
Residual effect of insecticides placed in soils on farm crops [translated from the English]. W. J. Clore and others. *Agrobiologiya* no. 6:892-898 N-D '62.
- PLANTS, EFFECT OF LIGHT ON**
Effect of concentrated sunlight. *Priroda* 52 no. 1:115-116 '63.
Treating conifer seeds before sowing with ultraviolet and solar rays. V. V. Gribkov. *Les. khoz.* 15 no. 11: 35-38 N '62.
Use of violaxanthin-C14 as a characteristic of the light reaction of xanthophyll transformation. D. I. Sapozhnikov, V. S. Saakov. *Dokl. AN SSSR* 147 no. 6:1487-1488 D '62.
- PLANTS, EFFECT OF MAGNESIUM ON**
Importance of magnesium fertilizers for light turf-Podzolic soils. M. M. Mazayeva, O. V. Neugodova. *Zemledelie* 24 no. 12:65-69 D '62.
- PLANTS, EFFECT OF MINERALS ON**
Effect of calcium, iron, and aluminum on the uptake of microelements by plants. J. Pelve, G. Rinkis. *Izv. AN Latv. SSR* no. 8:81-85 '62.
- PLANTS, EFFECT OF MOLYBDENUM ON**
Effect of molybdenum on the yield of cultivated pastures on the "Aleksandrovskii" State Farm in Vladimir Province. N. N. Zhitneva. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:241-244 '62.
Effect of molybdenum on the yield of red clover. G. F. Tretyakova, Z. P. Antonova. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:235-239 '62.
Effect of molybdenum on the yield of the green bulk of forage plants in Vladimir Province. E. A. Muravin. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:231-234 '62.
- PLANTS, EFFECT OF OXYGEN ON**
Effect of dissolved oxygen on the development of blue-green algae. M. V. Gusev. *Dokl. AN SSSR* 147 no. 4: 947-950 D '62.
- PLANTS, EFFECT OF PHOSPHORUS ON**
Effect of the application of increased amounts of supplementary phosphorus fertilizers to seedlings on the acceleration of tomato ripening. H. E. Usyk. *Visnyk sil'khoz. nauky* 5 no. 12:82-84 D '62.
Phosphorus nutrition of onions [with summaries in English, German, and French]. A. I. Kal'tian. *Vest. sel'khoz. nauki* 7 no. 11:45-48 N '62.
- PLANTS, EFFECT OF TEMPERATURE ON**
Biochemical changes in the caryopsis of corn during chilling. N. N. Budurian, G. V. Kandina. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:33-44 '62.
Characteristics of physiological and biochemical processes in seeds of the melon of the species *Melo zard* during a treatment with variable temperatures before planting. N. N. Budurian. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:45-51 '62.
Chilling tomato seeds in fruits. N. V. Baliaev. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:28-32 '62.
Effect of temperature during the formation and ripening of tomato seeds on the increase in the cold resistance of following progenies. M. V. Syskova. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:104-110 '57.
Effect of temperature on symbiotic nitrogen assimilation by leguminous plants [with summary in English]. M. M. Gukova. *Izv. AN SSSR. Ser. biol.* no. 6:832-839 N-D '62.
Effect of temperature on the assimilation of nutritive substances by leguminous plants. O. V. Tulinina. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:246-249 '62.
Effect of temperature on the growth and development of the common onion. A. A. Kozakova. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:117-121 '57.
Effect of the chilling of germinating cucumber seeds before planting on physiological and biochemical processes. G. V. Kandina. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:71-79 '62.
Effect of the chilling of seeds before planting on the physiological and biochemical processes of the melon of the species *Melo zard*. N. N. Budurian. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:52-70 '62.
Effect of the chilling of tomato seeds on biochemical processes in plants. N. V. Baliaev. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:12-27 '62.
Some characteristics of metabolism in tomato seeds during the chilling period before planting. N. N. Budurian, N. V. Baliaev, G. V. Kandina. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:3-11 '62.
Using film covers for accelerating the ripening of strawberries in Dnepropetrovsk and Moscow Provinces. A. I. Gorodova. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:118-123 '62.
- PLANTS, EFFECT OF TRACE ELEMENTS ON**
(see also subdivision under Azerbaijan)
Effect of microelements on the growth and development of decorative flowering plants. O. O. Tytarenko, M. M. Kuznetsova. *Visnyk Bot. sada AN URSS* no. 4:21-23 '62.
Effect of simultaneous application of nitrogen and trace elements on the growth and yield of vetch. V. K. Gol'vikh. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11: 87-92 '62.
Microelements and substances inhibiting the growth of nematodes in controlling the root knot nematode. V. S. Treskova. *Zashch. rast. ot vred. i bol.* 4 no. 5:26-27 S-O '59.
Microelements for forage beans in peat soils. E. D. Alekseev, P. V. Pollakov. *Zemledelie* 24 no. 12:59-60 D '62.
Practices in using trace elements in alpine regions. V. Z. Makarenko. *Izv. Kir. fil. Vses. ob-va pochn.* no. 1:45-53 '62.
Treating soybean seeds with microelements before sowing. A. I. Nikitina. *Zemledelie* 24 no. 12:81-85 D '62.
- Using microelements in controlling the corn smut *Ustilago zeae*. E. E. Geshele, O. I. U. Val'ter. *Vest. sel'khoz. nauki* 7 no. 10:40-42 O '62.
- PLANTS, EFFECT OF UREIDES ON**
Physiological action of ureides on plants. I. A. O. Golevets. *Bot. Glav. bot. sada* no. 47:62-67 '62.
- PLANTS, EFFECT OF WATER ON**
Effectiveness of summer precipitation in arid areas [with summary in English]. M. M. Abramova. *Pochvovedenie* no. 9:44-53 S '62.
- PLANTS, FLOWERING OF**
Biology of the flowering of *Hordeiforme* 29 durum winter wheat. I. L. Maksimov. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11:175-182 '62.
- PLANTS, ORNAMENTAL** see subdivision under *Crimea*
- PLANTS, POTTED**
Flowers in a room. H. Bohomazova. *Nauka i zhyttnia* 12 no. 10:47 O '62.
- PLANTS, PROTECTION OF**
(see also subdivision under Afghanistan; Armenia; Benders District; Crimea; Dobrush District; Echmiadzin District; Kazakhstan; Kirghizistan; Kursk; Maloyaroslavets District; Moldavia; Moscow Province; Otkomberyan District; Podolia; Roslov Province; Stavropol Territory; Ukraine; Uzbekistan; White Russia)
Brief reports. O. B. Natal'ina, M. V. Gorlenko, S. A. Kulik. *Zashch. rast. ot vred. i bol.* 5 no. 5:83 My '60.
Chemical preparations for the protection of plants. V. I. Orlov. *Priroda* 52 no. 1:68-70 '63.
A collective farm joined the line of leading farms. E. S. Voinkovskaya. *Zashch. rast. ot vred. i bol.* 5 no. 5: 16-18 My '60.
The course of socialist competition. *Zashch. rast. ot vred. i bol.* 4 no. 5:3-4 S-O '58.
For a communist attitude toward work. *Zashch. rast. ot vred. i bol.* 5 no. 11:1-3 N '60.
For further technological progress. *Zashch. rast. ot vred. i bol.* 4 no. 5:1-3 S-O '58.
Forty years of plant protection in the U.S.S.R. *Zashch. rast. ot vred. i bol.* 2 no. 6:3-5 N-D '57.
High indices. P. L. Kravchuk. *Zashch. rast. ot vred. i bol.* 5 no. 6:4 Jo '60.
In the campaign for large crops. *Zashch. rast. ot vred. i bol.* 5 no. 5:1-2 My '60.
In the Lenin All-Union Academy of Agricultural Sciences. O. A. Alashina. *Zashch. rast. ot vred. i bol.* 5 no. 3: 61 Mr '60.
In the Methodological Council of the Central Quarantine Laboratory. T. R. *Zashch. rast. ot vred. i bol.* 5 no. 3:62 Mr '60.
In the Russian Federation. A. F. Chenkin, N. K. Nikulina. *Zashch. rast. ot vred. i bol.* 5 no. 3:1-2 Mr '60.
Nikiforov, A. M. [Protecting plants from pests and diseases] *Zashch. rast. ot vred. i bol.* 10:101-102, Moskva, Gos. izd-vo sel'khoz. lit-ry, 1961, 150 p. (DNAL)
Profitableness in the protection of vegetable crops. M. A. Glebov, P. P. Romanov, V. G. Stepina. *Zashch. rast. ot vred. i bol.* 5 no. 7:10-11 Ji '60.
Record keeping and forecasting in foreign countries. I. A. Pollakov. *Zashch. rast. ot vred. i bol.* 5 no. 3: 51-53 Mr '60.
Reducing the loss to a minimum. P. V. Zaring, A. M. Nikiforov. *Zashch. rast. ot vred. i bol.* 2 no. 6:6-8 N-D '57.
Responses to our articles. M. G. Lobchikov, M. I. Tolochkov. *Zashch. rast. ot vred. i bol.* 5 no. 11:18-19 N '60.
Scientific session on harvest protection. Z. V. Pozdnakova. *Izv. AN SSSR. Ser. biol.* no. 6:942-945 N-D '62.
Some problems of the mechanization of plant protection in the seven-year plan. N. K. Tarnovich. *Zashch. rast. ot vred. i bol.* 4 no. 5:17-18 S-O '59.
Sources of valuable information. V. E. Kreitsberg. *Zashch. rast. ot vred. i bol.* 5 no. 10:51 O '60.
Stages of the development of mechanization. N. K. Tarnovich. *Zashch. rast. ot vred. i bol.* 2 no. 6:34-36 N-D '57.
To the attention of entomologists! R. N. *Zashch. rast. ot vred. i bol.* 5 no. 11:23 N '60.
Ways for further improvement of the forecast service. I. A. Pollakov. *Zashch. rast. ot vred. i bol.* 5 no. 7: 38-38 Ji '60.
Women on the watch. T. I. Rogova. *Zashch. rast. ot vred. i bol.* 5 no. 3:44-46 Mr '60.
- PLANTS, PROTECTION OF—BIBLIOGRAPHY** see Bibliography—Plants, Protection of
- PLANTS, PROTECTION OF—CONGRESSES**
Coordination conferences. M. M. Bulankina and others. *Zashch. rast. ot vred. i bol.* 5 no. 5:57-61 My '60.
Fourth coordination conference at the Scientific Institute of Fertilizers, Insecticides, and Fungicides. N. N. Mel'nikov. *Zashch. rast. ot vred. i bol.* 5 no. 3: 80-81 Mr '60.
Joint scientific session on the problems of crop protection. E. N. Ivanov. *Vest. sel'khoz. nauki* 7 no. 10:155-157 O '62.
Two conferences abroad. D. D. -Z. *Zashch. rast. ot vred. i bol.* 5 no. 11:62-63 N '60.

PLANTS, PROTECTION OF—EXHIBITIONS

- At the Exhibition of Achievements of the National Economy of the U.S.S.R. R. L. Nainik. Zashch. rast. ot vred. i bol. 4 no. 5:14-15 S-O '59.
- At the Exhibition of Achievements of the National Economy of the U.S.S.R. R. L. Nainik. Zashch. rast. ot vred. i bol. 5 no. 5:20-21 My '60.
- At the Exhibition of Achievements of the National Economy of the U.S.S.R. Zashch. rast. ot vred. i bol. 5 no. 10:12 O '60.
- At the Ukrainian exhibition of advanced practices. Zashch. rast. ot vred. i bol. 4 no. 5:16 S-O '59.
- Need for a special pavilion. R. L. Nainik. Zashch. rast. ot vred. i bol. 2 no. 6:31-33 N-D '57.
- Station for plant protection at the Exhibition of Achievements of the National Economy of the U.S.S.R. M. A. Zhuravlev, V. N. Korshin. Zashch. rast. ot vred. i bol. 5 no. 11:13-15 N '60.

PLANTS, PROTECTION OF—PERIODICALS

- Periodical literature on plant protection in the U.S.S.R. during the past 40 years. Zashch. rast. ot vred. i bol. 2 no. 6:62-63 N-D '57.

PLANTS, PROTECTION OF—RESEARCH

- (see also subdivision under Crimea; Uzbekistan)
- Biophysics in plant protection. S. V. Andreev. Zashch. rast. ot vred. i bol. 5 no. 10:18-21 O '60.
- For a closer tie between science and production. Zashch. rast. ot vred. i bol. 5 no. 8:1-3 Je '60.
- Tasks of science. I. M. Poljakov. Zashch. rast. ot vred. i bol. 5 no. 11:4-7 N '60.

PLANTS, PROTECTION OF—STUDY AND TEACHING

- In the faculty for the training of agronomists in plant protection. I. U. N. Zashch. rast. ot vred. i bol. 5 no. 3:62-63 Mr '60.

PLANTS, SPACE ARRANGEMENT OF

- Changes in the growth of stems and weight of corn ears as related to the density and size of squares. P. P. Iazykov, M. Barakeev. Agrobiologiya no. 6:931-932 N-D '62.
- System and density of the arrangement of fruit trees in the orchard [in Armenian with summary in Russian]. G. S. Esatian. Izv. Glav. upr. neft'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:46-52 '62.
- Variability of metamerism organs in plant stands of various densities. V. N. Sizov. Sbor. stud. nauch. i issl. rab. TSKIIA no. 11:105-110 '62.

PLASMA (IONIZED GASES)

- Conductivity of plasma media in the presence of a drift [with summary in English]. V. I. Pustovoi. Zhur. eksp. i teor. fiz. 43 no. 6:2281-2289 D '62.
- Conversion of methane to acetylene in a plasma jet. G. V. Gulinev and others. Neftekhimika 2 no. 5:783-794 S-O '62.
- Emission of low-frequency waves by ions and electrons in a magnetoactive plasma [with summary in English]. V. I. Pakhomov, K. N. Stepanov. Zhur. eksp. i teor. fiz. 43 no. 5:2153-2165 D '62.
- Equations of thermal and electric conductivity for a partially ionized gas. A. F. Nastolashchil, L. D. Puzikov. PMTF no. 5:52-58 S-O '62.
- The experimental plasma apparatus C-1 with screw magnetic fields. I. P. Afonin and others. Atom. energ. 14 no. 2:143-150 F '63.
- Heating of electrons in a moving plasma. V. M. Eleonshik, I. U. A. Pollak. PMTF no. 5:40-51 S-O '62.
- Method for solving axisymmetrical problems of the electrodynamics of a gyrotropic medium. D. N. Chetaev. Radiotekh. i elektron. 8 no. 1:64-72 Ja '63.
- Nonequilibrium electron and phonon systems in an external magnetic field [with summary in English]. P. S. Zyrianov, G. G. Taluts. Zhur. eksp. i teor. fiz. 43 no. 6:2135-2142 D '62.
- Plasma diffusion in a magnetic field caused by Coulomb collisions. S. G. Alkhanov, V. E. Zuharov, G. L. Korasnov. Atom. energ. 14 no. 2:137-142 F '63.
- Plasma, the fourth state of aggregation. S. M. Levitskiy. Dos. such. fiz. no. 6:34-55 '62.
- Power generation from a plasma flowing in a pipe. E. I. Andriankin. PMTF no. 2:7-13 Mr-Apr '62.
- Relativistic hydrodynamics of a plasma in a magnetic field. G. M. Zaslavskii. PMTF no. 5:42-47 S-O '62.
- Role of the phenomena occurring on the cathode of a plasma diode as a model of a magneto-gas dynamic energy converter. N. D. Morgulis. Ukr. fiz. zhur. 7 no. 10:1131-1134 O '62.
- Rusanov, V. D. [Modern methods of plasma study] Sovremennye metody issledovaniia plazmy. Moskva, Gosatomizdat, 1962, 182 p.
- Screw and flute instabilities in a low-pressure plasma [translated from the English]. B. Lehnert. Atom. energ. 14 no. 1:82-91 Ja '63.
- Some results of studying the properties of an arc stabilized with water. G. I. Davtov, M. F. Shukov. PMTF no. 2:32-36 Mr-Apr '62.
- Studying the diffusion of charge carriers in ionized gases by the diffusion wave method [with summary in English]. V. S. Golubev. Zhur. eksp. i teor. fiz. 43 no. 5:1995-1999 D '62.
- Transformation of the kinetic energy of a steady plasma stream into electric energy in the case of its isothermal deceleration in a transverse magnetic field. V. M. Sarychev. PMTF no. 2:3-6 Mr-Apr '62.

- A weakly turbulent plasma in a magnetic field [with summary in English]. B. B. Kadomtsev, V. I. Petviashvili. Zhur. eksp. i teor. fiz. 43 no. 5:2234-2244 D '62.

PLASMA OSCILLATIONS

- Collective interactions and the problem of high-temperature plasma production. E. K. Zavoiskii. Atom. energ. 14 no. 1:57-65 Ja '63.
- Cyclotron instability of a plasma in the "OGRA" machine. V. I. Pistunovich. Atom. energ. 14 no. 1:72-81 Ja '63.
- Diffusion in an inhomogeneous rarefied plasma induced by the excitation of "ion-acoustic" oscillations [with summary in English]. V. D. Shapito. Ukr. fiz. zhur. 7 no. 10:1033-1045 O '62.
- Stability of ionic longitudinal plasma oscillations in a magnetic field. V. N. Oravskii. PMTF no. 5:30-41 S-O '62.

PLASTER—DRYING

- Drying plaster on the walls of buildings with gas infrared radiant heaters. T. N. Smyslianova, Z. L. Zakharova, K. N. Pravoverov. Sbor. nauch. rab. AKKH no. 9:94-105 '61.

PLASTERING

- Decorative stone plastering. K. S. Veselov. Transp. stroi. 12 no. 12:50-51 D '62.

PLASTIC BEARINGS

- Stranous, M. F. [Selecting plastics for sliding bearings of construction machinery] Vyb. plasticheskikh mass dlia podshpnikov skoz'zhenila stroitel'nykh mashin. Moskva, Mashgiz, 1962, 97 p.

PLASTIC FILMS

- Extending the life of finishing and ornamental polyvinyl chloride films. I. A. Gelfman, I. V. Shishkina, N. N. Ivanova. Plast. massy no. 12:69-70 '62.

- Tarakanov, G. I., and B. K. Chaplygin. [Lightweight covers] Nevosomye ukrytiia. Moskva, Izd-vo "Znanie," 1963, 20 p. (Novoe v zheniz, nauke, tekhnike, V Sorila: Sol'skoe khoziaistvo, no. 1)

PLASTIC FOAMS

- Use of synthetic foam substances as heat insulating material. V. L. Pokrovskii. Khol. tekhn. 39 no. 6: 69-70 N-D '62.

PLASTIC PIPE see Pipe, Plastic

PLASTICITY

- Axisymmetric problem for the case of total plasticity. A. M. Kochetkov. Inzh. zhur. 2 no. 4:358-361 '62.
- Evaluating the solution of a plane problem in the theory of plasticity. I. U. G. Sakkaev. Inzh. zhur. 2 no. 4: 361-364 '62.
- Mechanism underlying the plastic deformation of alloys within the melting temperature range. I. I. Novikov, F. S. Novik. Dokl. AN SSSR 147 no. 6:1352-1354 D '62.
- Solutions to the inverse problems of unsteady motion of a viscoplastic fluid. G. T. Gannov, A. Kh. Mirzazhanzade. PMTF no. 5:117-120 S-O '62.
- Stability of a thick plate subjected to plastic deformation. I. D. Legenia. Dokl. AN SSSR 147 no. 6:1314-1317 D '62.

PLASTICIZATION

- Plasticization of polyethylene in low temperature radiolysis. V. G. Nikol'skii, N. I. A. Buben. Dokl. AN SSSR 147 no. 6:1405-1408 D '62.

PLASTICIZERS

- Synthesis of new plasticizers on the basis of naphthenic acids of kerosene fractions. Shaikhali Mamedov, A. S. Rzaev, I. L. Nizker. Neftekhimika 2 no. 5:788-792 S-O '62.

PLASTICS

- Application of rheological analysis in the processing of thermoplastics. V. I. Bukhgalter, E. E. Sverovostokova. Plast. massy no. 12:32-36 '62.
- Champions of the "second nature." V. Mezentshev. Znan. i sta 37 no. 11:40-44 N '62.
- Characteristics of the gluing of plastics with wood. V. M. Khrulev. Der. prom. 11 no. 12:14-15 D '62.
- Dielectric properties of insulating materials under gamma-radiation. Part 3: AG-4 plastic material. B. I. Vorozhilaov, G. I. Potakhova, V. M. Nesterov. Izv. vys. ucheb. zav.; fiz. no. 6:143-146 '62.
- Heat-resistant plastics. K. Korniev, Z. Pazenko. Nauka i zhytiia 12 no. 9:42-43 S '62.
- Lightweight exterior elements using plastic. V. Maifuga, N. Kozhevnikov, V. Kogan. Prom. stroi. i inzh. soor. 4 no. 5:32-38 S-O '62.
- Materials of tomorrow. L. Aleksandrov. Pozh. delo 8 no. 12:24 D '62.

- Shepshelevich, V. L., and T. N. Mekhtieva. [Use of plastics in the manufacture of furniture] Primeneniie plastmass v proizvodstvo mebeli. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, khimicheskoi i derevobrabatывalushchei promyshl. 1962, 71 p. [MICROFILM]

- Some experiments with plastics. V. Angelova, Z. Malcheva. Khim. v shkole 17 no. 6:76-79 N-D '62.

- Some methods of evaluating plastic lining materials in their relation to corrosive liquids. N. S. Tikhomirova, K. I. Zernova, V. N. Kotrelov. Plast. massy no. 12: 40-45 '62.

- Use of plastics for the mounting of ship equipment. A. P. Markov. Sudostroenie 28 no. 10:36-40 O '62.

- Using plastic bands for protecting underground pipelines against corrosion. V. F. Negreva, G. A. Alakhverdiev, G. Sh. Mekhtieva. Azerb. neft. khoz. 41 no. 8:45-46 Ag '62.

- Using plastics in electroplating. A. R. Chudnovskii and others. Mashinostroenie no. 5:71-72 S-O '62.

PLASTICS—EXHIBITIONS

- Chemistry in homes. S. Moiseev. Mest. prom. i khud. promys. 3 no. 11:20-21 N '62.
- Exhibition of Achievements of the National Economy of the U.S.S.R. G. O. Tatevos'ian. Plast. massy no. 11: 75 '62.

PLASTICS—MEASUREMENT

- A photometer for checking lighting engineering plastics. V. S. Khozanov, I. A. Kraiman. Svetotekhnika 9 no. 1: 18-21 Ja '63.

PLASTICS—MOLDING

- Centrifugal molding of articles from powdered plastics. A. M. Skliarskii. Plast. massy no. 11:73-74 '62.
- Control of machinery industry equipment by plastic casts. A. A. Shurman. Plast. massy no. 12:67-68 '62.
- Effective regulation and automatic control of temperature in the molding of plastics. V. N. Bukharev. Plast. massy no. 11:67-68 '62.
- Making die-casting molds by means of electroplating. V. V. Gritchin. Mashinostroi. no. 12:34 D '62.
- Molded parts from polymeric synthetic materials for upholstered furniture. A. L. Avet'kov. Plast. massy no. 11:71-73 '62.
- Molding compositions based on polyester acrylates. E. A. Milit'skova, A. D. Sokolov, E. S. Ezhkova. Plast. massy no. 11:10-12 '62.

PLASTICS—PERIODICALS

- Conference of readers of the journal "Plasticheskie massy." N. Vasil'ev. Plast. massy no. 11:70 '62.

PLASTICS—REPAIRING

- Repairing of plastic raincoats. N. Raev. Mest. prom. i khud. promys. 3 no. 11:18 N '62.

PLASTICS—TESTING

- Chemical analysis of polyvinyl chloride plasticates subjected to light aging. G. O. Tatevos'ian, I. P. Losev, I. B. Kuznetsova. Plast. massy no. 11:50-62 '62.
- Determination of the rupture strength of brittle plastics by the method of the radial compression of cylindrical specimens. L. S. Sedokov, I. U. S. Bogomolov. Plast. massy no. 11:57-59 '62.
- Effect of strengthening during the rest in the process of fatigue failure of plastics. A. V. Stinukas, S. B. Ratnor. Plast. massy no. 12:56-57 '62.
- Using parametric methods in evaluating the lasting strength of plastics. I. U. Tarnopol'skii. Izv. AN Latv. SSR no. 4:61-65 '61.

PLASTICS—WELDING

- Problems in the theory of the welding of plastics by means of ultrasonic waves. L. N. Skorokhodov. Plast. massy no. 11:33-35 '62.

PLASTICS INDUSTRY

- Cooperation between science and industry. Plast. massy no. 11:1-2 '62.

PLASTICS INDUSTRY—HYGIENIC ASPECTS

- Industrial hygiene in the production and use of polystyrene. N. I. Shumskaya. Toks. nov. prom. khim. veshch. no. 4:52-64 '62.

PLASTICS INDUSTRY—TECHNOLOGICAL INNOVATIONS

- see subdivision under Karacharovo

PLATE TOWERS

- Changing the flow diagram of a complex rectification column for increasing the capacity of atmospheric installations. G. G. Markarian. Azerb. neft. khoz. 41 no. 8:31-35 Ag '62.
- Performance of a rectification column and maximum reflux-to-product ratio. A. A. Kondrat'ev, L. A. Serafinov. Izv. vys. ucheb. zav.; neft. i gaz 5 no. 4:65-69 '62.
- Simplified analytical method for calculating the number of theoretical plates. E. I. A. Susanov. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 5 no. 5:851-855 '62.

PLATES, IRON AND STEEL

- Pack rolling of large-size, two-layer steel plate. N. P. Dablagin and others. Met. i gornorud. prom. no. 5:20-33 S-O '62.

PLATING

- Experiments on chemical chromium plating and cobalt plating. L. G. Shepeleiko. Khim. v shkole 17 no. 6:83-84 N-D '62.

PLATINUM

Nonuniformity of thermoelectrode platinum and platinum-rhodium wires. B. K. Bragin. Trudy Inst. Koin. stand., mer i izm. prib. no. 51:85-88 '61.

PLATINUM—DECAY

Study of α - γ coincidence in Pt^{198} decay. L. N. Kriukova and others. Izv. AN SSSR. Ser. fiz. 16 no. 12:1521-1522 D '62.

PLATINUM CATALYSTS

Change of activity of adsorption platinum catalysts during prolonged storage. Zh. V. Strel'nikova, V. P. Lebedev. Vest. Mosk. un. Ser. 2: Khim. 16 [1.e. 17] no. 6:75 N-D '62.

PLATINUM ELECTRODES see Electrodes, Platinum

PLATINUM ISOTOPES

Level scheme of Ir^{189} excited by electron capture in Pt^{189} . L. N. Kriukova and others. Izv. AN SSSR. Ser. fiz. 16 no. 12:1492-1494 D '62.

PLATINUM METALS

Analytical application of 8-mercaptoquinoline (thiooxime) and its derivatives. Report No. 20: Thiooximes of platinum metals [with summary in English]. I. A. Bankovskii, G. P. Mezharups, A. F. Levin'ski. Zhur. anal. khim. 17 no. 6:721-733 S '62.

PLAVINAS HYDROELECTRIC POWER STATION

Contribution of scientists to the construction of the Plavinas Hydroelectric Power Station [in Latvian]. J. Magone. Izv. AN Latv. SSR no. 4:170 '61.

PLAVINAS HYDROELECTRIC POWER STATION REGION

Second Interdistrict Conference on Regional Studies in Plavinas [in Latvian]. E. Zigurs. Izv. AN Latv. SSR no. 10:140-142 '62.

PLAY

Crystal zoological garden. N. Izvekova. IUn. nat. no. 1:30-40 Ja '63.

Festival in the forest. N. Izvekova. IUn. nat. no. 12:38-39 D '62.

New developments in play guidance. E. Tatishcheva. Doshk. vosp. 35 no. 11:22-25 N '62.

Play at the Christmas tree. Sem'ia i shkola 17 no. 12:34-35 D '62.

Role of play in the work training of children. A. Cherkov. Doshk. vykh. 23 no. 10:8-15 O '62.

They came to a kindergarten to play. V. L'vova. Doshk. vosp. 35 no. 11:25-28 N '62.

They'll lead space ships. A. Klukvina. Doshk. vosp. 35 no. 10:11-12 O '62.

PLAY CENTERS see Community centers

PLAYGROUNDS—EQUIPMENT AND SUPPLIES

Equipment for children's playgrounds in foreign countries. I. I. Dmitrieva, E. A. Tarasova. Gor. khoz. Mosk. 36 no. 7:45-47 JI '62.

PLEIADES

Standards of stellar magnitudes in the Pleiades for three-color photographic photometry of stars and the method for considering the effect of background [with summary in English]. V. S. Matlagin. Izv. Astrofiz. inst. AN Kazakh. SSR 15:32-51 '62.

PLEROPHYLLIDAE see subdivision under Dzhul'fa region

PLEURA—SURGERY

Pleurectomy in the treatment of tuberculous diseases of the pleura. P. M. Kuzlukovich, K. E. Kozintseva, B. K. Kutisko. Zdrav. Bel. 8 no. 12:8-11 D '62.

PLEVEN DISTRICT, BULGARIA—MEAT INDUSTRY

Meat production on the cooperative farms of Pleven District, Bulgarian People's Republic. M. I. Marinov. Dokl. TSKHA no. 50:211-216 '59.

PLOTNIKOV, VASILII IL'ICH, 1877-

A glorious jubilee. E. M. Ivanov. Zashch. rast. ot vred. i bol. 2 no. 8:59-60 N-D '57.

PLOWING

Effect of the depth of plowing on the nutrition of corn from soil. S. D. Lyssogorov, L. K. Lenets. Agrobiologiya no. 6:882-885 N-D '62.

Methodology for evaluating depth consistency in plowing. A. P. Iofinov. Mekh. i elek. sots. sel'khoz. 20 no. 6:11-15 '62.

Study of the performance of plows operating at increased speeds. Mekh. i elek. sots. sel'khoz. 20 no. 6:53-54 '62.

PLOWS

Increasing the wear resistance of plowshares. V. Fribus. Tekh. v sel'khoz. 22 no. 11:48-49 N '62.

Study of the performance of plows operating at increased speeds. Mekh. i elek. sots. sel'khoz. 20 no. 6:53-54 '62.

Traction resistance of plows on slopes [in Armenian with summary in Russian]. Kh. A. Khachatryan. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:13-19 '62.

PLUMB-LINE DEFLECTIONS

PLUTO (PLANET)

Letter to the Editor. A. A. Rubashevskii. Astron. tsir. no. 227:30 F '62.

Possibility to determine Pluto's diameter from observations of occultations of stars. A. A. Rubashevskii. Astron. tsir. no. 224:10-13 Ag '61.

PLUTONIUM

Adsorption of $Pu(IV)$ on glass and quartz. A. G. Samartseva. Radiokhimiya 4 no. 6:647-655 '62.

Number of neutrons emitted by U^{234} and Pu^{240} in symmetric fission [with summary in English]. V. F. Apalin and others. Zhur. eksp. i teor. fiz. 43 no. 6:2053-2055 D '62.

Probability of triple fission of Pu^{239} induced by 0.05-0.7 ev. neutrons [with summary in English]. A. A. Panov. Zhur. eksp. i teor. fiz. 43 no. 6:1998-1999 D '62.

PNEUMATIC CONTROL

Akademii nauk SSSR. Institut avtomatiki i telemekhaniki. [New developments in pneumatic and hydraulic control]

Novoe v pnevmo-gidravlicheskoj avtomatike. Moskva, Izd-vo Akad. nauk SSSR, 1962. 158 p.

Effect of the length of pneumatic chains on the lagging of a command impulse. P. A. Makurin. Trudy TSNIMF 8 no. 44:79-83 '62.

Graphic representation of the successive operation of pneumatic drives and control equipment. A. V. Melitsa, B. I. Tsirovskii. Avt. prom. 29 no. 1:39 Ja '63.

Pneumatic devices for automatic control of pressing operations abroad. A. A. Evgrashin. Avt. prom. 28 no. 12:41-42 D '62.

PNEUMATIC CONVEYING

"Pneumatic conveying in grain-handling enterprises" by A. M. Dzadzio. Muk. -elev. prom. 28 no. 12:28-29 D '62.

Pneumatic conveying of defecation and saturation residues. V. O. Bondarenko, V. M. Polovko. Khar. prom. no. 4:82 O-D '62.

Rate of soaring of wood particles. T. N. Uiev, S. N. Sviatkov. Der. prom. 11 no. 12:13-14 D '62.

PNEUMATIC MACHINERY

Berezovets, O. T., A. L. Mal'yi, and E. M. Nadzhafov. [Devices in a pneumatic, multipurpose, standardized system and their use in automatically controlled production processes] Pribury pnevmaticheskoi agregatnoi unifitsirovannoi sistemy i ikh ispol'zovanie dlia avtomatizatsii proizvodstvennykh protsessov. Izd. 2., perer. i dop. Moskva, Gosoptekhnizdat, 1962. 213 p.

PNEUMATIC TOOLS

Pneumatic device for driving-in and knocking-out wedges of stamping and forging hammers. P. I. Shevchenko, I. A. Grankin. Mashinostroye no. 5:108-107 S-O '62.

Pneumatic tools used at the Lugansk Diesel-Locomotive Plant. M. N. Kaptsov, I. A. Morozov. Mashinostroitel' no. 12:26-27 D '62.

PNEUMOGASTRIC NERVE see Vagus nerve

PNEUMONIA

Morozkin, N. I. [Influenza pneumonia; its clinical aspects and treatment] Grippoiznala pnevmonia; klinika i lechenie. Kiev, Gosmedizdat USSR, 1962. 77 p. (DNLM)

Pneumonia in infants; based on data of the First Pediatric Clinical Hospital in Kishinev. F. M. Kitikar', E. I. Chertkova, L. M. Aizenberg. Zdravookhranenie 5 no. 3:17-10 My-Je '62.

Quantitative and qualitative shifts in the thrombocytes in the dynamics of bronchopneumonia in infants. O. P. Grigorova. Vop. okh. mat. i det. 7 no. 9:13-17 S '62.

Some current problems of pneumonia in infants. P. S. Sosnova and others. Zdravookhranenie 5 no. 3:11-16 My-Je '62.

PNEUMOTHORAX

Gorovenko, G. G. [Pulmonary resections following ineffective collapse therapy] Rezeksii legkikh posle neefektivnoi kollapsoterapii. Kiev, Gosmedizdat, USSR, 1962. 277 p. (DNLM)

PODOLIA—PLANTS, PROTECTION OF

Plant protection in Podolia. G. K. Anzhan, F. E. Platetski. Zashch. rast. ot vred. i bol. 5 no. 3:3-6 Mr '60.

PODOL'SK—KNIT GOODS INDUSTRY

Instructive results. M. Borodavkin. NTO 4 no. 9:13-14 S '62.

PODZOL

(see also subdivision under Sortavala District)

Agrochemical characteristics of turf-Podzolic medium-light loam soils and the efficiency of phosphorus fertilizers [with summary in English]. I. S. Lupinovich, T. N. Kulakovskaya. Pochvovedenie no. 11:17-23 N '62.

Comparative study of the composition of solutions and lysimetric waters in turf-Podzolic soils [with summary in English]. E. I. Shileva, L. V. Korovkina. Pochvovedenie no. 8:11-23 Ag '62.

Importance of magnesium fertilizers for light turf-Podzolic soils. M. M. Mazasova, O. V. Neugodova. Zemledelie 24 no. 12:85-88 D '62.

Microbiological processes in turf-Podzolic soils under various forest species. E. N. Artemenko. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:305-310 '62.

Results of studying the nitrogen balance in turf-Podzolic soils during their cultivation [with summary in English]. I. V. Turin, V. K. Mikhovskii, A. K. Iartseva. Pochvovedenie no. 8:1-10 Ag '62.

POGREBOVA, NADEZHDA NIKOLAEVNA, 1902-1960

In memory of N. N. Pogrebova. Krat. soob. Inst. arkhool. no. 89:3-5 '62.

POISONS—PHYSIOLOGICAL EFFECT

Elizarova, O. N. [Determination of threshold doses of industrial poisons when administered perorally] Opredelenie porogovykh doz promyshlennykh ladov pri peroral'nom vvedenii. Moskva, Medgiz, 1962. 173 p. (Biblioteka prakticheskogo vracha) (DNLM)

POLAND

Poland and disarmament. Jozef. Pajestka. Nov. vrem. 20 no. 6:11-12 F '63.

POLAND—BIBLIOGRAPHY

[New literature on Poland] Nov. lit. po Pol', nos. 10-11 '62.

POLAND—COMMERCE—RUSSIA

Products of machinery manufacturing and metalworking in the turnover of goods between the People's Poland and the Soviet Union. H. Shublievskiy. Ekon. Rad. Ukr. no. 9:97-100 N-D '62.

POLAND—COMMUNISM

Along the path of socialist development. W. D. Michalewska. Nauka i zhytla 12 no. 7:51 JI '62.

POLAND—COMMUNIST PARTY

Polish historiography and the 20th anniversary of the Polish United Workers' Party. T. Danishevskii. Vop. ist. 38 no. 1:185-188 Ja '63.

POLAND—CONTRACTS, MARITIME

Contracts for the transportation of cargo according to the new maritime code of the Polish People's Republic. M. K. Aleksandrov-Dol'nik. Inform. sbor. TSNIMF no. 82, Mor. pravo i prak. no. 18:7-10 '62.

POLAND—DISARMAMENT—ECONOMIC ASPECTS

Poland and disarmament. Jozef Pajestka. Nov. vrem. 20 no. 6:11-12 F '63.

POLAND—FURNITURE INDUSTRY

Production of furniture in People's Poland. B. Dalewska. Zhit. stroi. no. 12:16-16d '62.

POLAND—GEOGRAPHY—STUDY AND TEACHING

Geography in the schools of the Polish People's Republic. A. V. Darinskii. Izv. Vses. geog. ob-va 94 no. 6:483-489 N-D '62.

POLAND—HISTORY—PERIODICALS

"Kwartalnik historyczny" and "Przegląd historyczny," the earliest Polish periodicals. B. Leśnadoriski, S. Keniewicz. Vop. ist. 38 no. 1:166-170 Ja '63.

POLAND—LABOR DISPUTES

Procedure in the examination of labor disputes. Jan Jónczyk. Sov. gos. i pravo 33 no. 2:124-127 F '63.

POLAND—MARITIME LAW

The maritime code of the Polish People's Republic (to be continued). Inform. sbor. TSNIMF no. 82, Mor. pravo i prak. no. 18:32-78 '62.

POLAND—MOTION-PICTURE CAMERAS

Polish motion-picture camera. Sov. foto 22 no. 11:39 N '62.

POLAND—MOTION PICTURES

Polish motion pictures. Jerzy Plazewski. Nov. vrem. 20 no. 7:32-33 F '63.

POLAND—ORNITHOLOGY

Rebirth of Polish ornithology. S. I. A. Stravinskii. Zool. zhur. 41 no. 11:1758-1760 N '62.

POLAND—POLITICAL PRISONERS, RUSSIAN

Khoruzhina, V. Z. [Letters from prison] Pis'ma na voliu. [Moskva] Izd-vo "Molodaya gvardia," 1962. 348 p.

POLAND—POLITICS AND GOVERNMENT

Let me tell you about our Sejm. Czasow Wycech. Sov. deput. trud. no. 1:99-104 Ja '63.

POLAND—RADIATION—DOSAGE

Results of extensive control of radiation doses in Poland. I. V. Sivintsev. Atom. energ. 14 no. 2:234-235 F '63.

POLAND—REVOLUTION, 1863-1864

A bright page of history. A. Smirnov, I. Miller. Kommunist 39 no. 2:29-37 Ja '63.

The centenary of the revolution in the Kingdom of Poland, Lithuania, White Russia, and the right-bank Ukraine in 1863 [with summary in English, pp. 221-222]. I. I. Kostushko. Vop. ist. 38 no. 1:86-89 Ja '63.

POLAND—RUSSIAN LANGUAGE—STUDY AND TEACHING
Russian language in Polish schools. Nar. obr. no. 1:100 Ja '63.

POLAND—SHIPBUILDING

New developments in Polish shipbuilding. M. N. Alekseeva, Sudostroenie 28 no. 10:65-68 O '62.

POLAND—WAGES—MACHINERY INDUSTRY

Regulating wages for the workers of machinery manufacturing enterprises in the Polish People's Republic. E. Farberova, Biul. nauch. inform. i trud i zar. plata 5 no. 4:55-60 '62.

POLAND—WORLD WAR, 1939-1945

[September, 1939. Translated from the German] Sentiabr' 1939. Moskva, Izd-vo Sotsial'no-ekon. lit-ry, 1961. 175 p. (NNC)

POLAR REGIONS—SOILS

Soils of polar deserts and B. N. Gorodkov's role in studying them. I. S. Mikhailov. Izv. Vses. geog. ob-va 94 no. 5:520-523 N-D '62.

POLARIS (MISSILE)

Polaris rockets and American strategy. B. Teplinskii. Nov. vrem. 20 no. 8:6-9 F '63.

POLARIZATION (ELECTRICITY)

Cathodic polarization in iron electrodeposition. A. L. Rotinina, V. V. Sysoeva. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:782-787 '62.

Causes of the spreading of phase transition and the relaxation nature of dielectric polarization in some ferroelectrics. V. A. Isupov. Fiz. tver. tela 5 no. 1: 187-193 Ja '63.

Determination of the effective activation energy in the cathodic reduction of quadrivalent cerium in an acid medium. E. M. Shmidt, S. V. Gorbachev. Zhur. fiz. khim. 36 no. 12:2795-2799 D '62.

Mechanism of the anodic dissolution of iron in the electropolarizing electrolyte at low polarizing current densities. G. S. Vozdvizhenskii, I. I. Sozin. Zhur. fiz. khim. 36 no. 12:2784-2795 D '62.

Polarization of a conductive cylinder in a homogeneous electric field. A. Tarnovskii. Uch. zap. Kazb. gos. ped. inst. no. 37:3-9 '62.

Studying the polarization of electrodes during the electrolytic forming of Pb-Tl alloys. V. T. Pustovit, N. N. Gratsianskii. Met. i gornorud. prom. no. 5:70-72 S-O '62.

POLARIZATION (LIGHT)

Degree of depolarization of Raman spectrum lines as a function of the exciting light frequency. V. A. Zubov. Opt. i spekt. 13 no. 6:881-882 '62.

Geometrical analysis of polarization of light during the transluence of optically sensitive materials. M. F. Bokstein. Probl. prochn. v mashinost. no. 8:73-117 '62.

POLAROGRAPHY

Comparative accuracy of exchange current calculation according to various theories for irreversible polarographic waves [with summary in English]. A. G. Stromberg, V. A. Igolinskii. Zhur. fiz. khim. 36 no. 12:2714-2720 D '62.

Dependence of the concentration of metal in the mercury drop on the time of enrichment with account of solution depletion. L. N. Vasil'eva, E. N. Vinogradova. Zav. lab. 28 no. 12:1427-1428 '62.

Determination of β -acetylcholine by polarography [with summary in English]. E. A. Ermelin, I. A. TSarin. Zhur. anal. khim. 17 no. 8:754-759 S '62.

Determination of europium oxide in rare earth oxides by the method of square-wave polarography. B. I. Kaplan, I. A. Sorokovskaya. Zav. lab. 28 no. 12:1424-1427 '62.

Determination of uranium in ores and minerals by the polarographic method. L. N. Liubimova, V. G. Sochevanov. Radiokhimiya 4 no. 6:701-706 '62.

Effect of the aluminum salt on the polarographic behavior of thiamine [with summary in English]. G. P. Tikhomirova, S. L. Belen'kaya. Zhur. anal. khim. 17 no. 8:767-769 S '62.

Electrocapillary mercury curves in solutions of Na_2MoO_4 and disodium salts of ethylenediaminetetraacetic acid. B. S. Priater. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:259-264 '62.

Oscillographic polarography of 2-aminobenzothiazole and its derivatives. Part 1: Aminobenzothiazole and its derivatives lacking polarographically active groupings. V. I. Gorokhovskaya. Zhur. ob. khim. 32 no. 12: 3853-3859 D '62.

Oscillographic polarography of 2-aminobenzothiazole and its derivatives. Part 2: Derivatives of 2-aminobenzothiazole with polarographically active groupings. V. I. Gorokhovskaya. Zhur. ob. khim. 32 no. 12:3859-3864 D '62.

Polarographic behavior of tungsten, niobium, titanium, and iron present together in pyrophosphoric acid solutions [with summary in English]. D. I. Kurabatov, I. S. Skorynina. Zhur. anal. khim. 17 no. 6:711-717 S '62.

Polarographic catalytic hydrogen waves induced by organic catalysts. Part 3: Experimental study of the effect of the preceding reaction on the space catalytic waves [with summary in English]. S. G. Mairanovskii, J. Koutecky, V. Hanus. Zhur. fiz. khim. 36 no. 12:2621-2627 D '62.

Polarographic determination of the ammonium ion. I. A. I. Tur'yan, B. P. Zhuravskii. Zav. lab. 28 no. 12: 1431-1434 '62.

Polarography of halogen organic compounds. Report No. 1: Mono-electronic splitting of a carbon-halogen bond and polarographic behavior of some propionitrile halides. L. G. Feoktistov, S. I. Zhdanov. Izv. AN SSSR. Old. khim. nauk no. 12:2127-2132 D '62.

Polarography of halogen organic compounds. Report No. 2: Establishing the stoichiometry of reactions by means of latent limiting currents. L. G. Feoktistov, S. I. Zhdanov. Izv. AN SSSR. Old. khim. nauk no. 1:45-52 '63.

Verification of the polarographic method of determination of the ammonium ion. P. I. A. Kovlev, R. D. Malinina. Zav. lab. 28 no. 12:1434-1435 '62.

POLESSKIY DISTRICT—SWINE

Ways to increase the turnover of funds in swine raising. L. Kashtanov. Ekon. sel'khoz. 33 no. 12:77-83 D '62.

POLESYE—ALGAE

New and interesting species of the genus Scenedesmus Meyen from the bodies of water of Volynian Polesye [with summary in English]. N. P. Masluk. Ukr. bot. zhur. 19 no. 5:73-83 '62.

POLESYE—CORN (MAIZE)

Comparative effectiveness of tillage methods for corn. Kim Khun-T'Sziao (Hu Heng-Chiao). Nauk. pratsi asp. UASHN no. 5:76-84 '60.

POLESYE—CORN (MAIZE)—FERTILIZERS AND MANURES

Effect of mineral fertilizers on corn yields. Khan T'Syn-Fyn (Han Chin-Feng). Nauk. pratsi asp. UASHN no. 5: 70-75 '60.

POLESYE—CROPS AND SOILS

Effect of stubble crops on the moisture and nutritive conditions of soil. Liu Sun-Khao (Li Sun-Khao). Nauk. pratsi asp. UASHN no. 5:56-61 '60.

POLESYE—FORAGE PLANTS

Economic evaluation of forage crops and the structure of crop acreages on collective farms in the left-bank area of Polesye. D. M. Krot. Vniy skh. nauk 5 no. 12:8-11 D '62.

POLESYE—STOCK AND STOCKBREEDING

Economics of stockbreeding on the state farms of Polesye. Nauk. pratsi asp. UASHN no. 5:18-24 '60.

POLESYE—SUGAR BEETS AS FEED

Producing three to four times more feed from the same acreage. D. Krot. Ekon. sel'khoz. 34 no. 1:97-100 Ja '63.

POLESYE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Kolos, I. A. [War along the rails in Polesye] Rel'sovnia volna v Poles'e. Moskva, Voenizdat, 1962. 82 p. (Gorolcheskoe proshloe nashoi Rodiny)

POLICE

Responsibility for refusal to obey the orders of regular and voluntary policemen. M. Trofimov. Sov. iust. no. 1:10-21 Ja '63.

Soviet Police Day. Sots. zakon. 30 no. 12:10-11 D '62.

The strictest observance of Soviet laws is the sacred duty of the agencies which examine and investigate criminal offenses. N. Zhogin. Sots. zakon. 40 no. 1: 10-15 Ja '63.

POLIO MYELITIS

Pollova, A. A. [Prevention of deformities in paralyzes following poliomyelitis and therapeutic gymnastics] Profilaktika deformatsii i lecheniye gimnastika pri paralichakh posle poliomielita; metodicheskoe posobie dlia vrachei i metodistov. Kiev, Gosmodizdat, USSR, 1961. 127 p. (Biblioteka prakticheskogo vracha) (DNLM)

Tallinn. Epidemiologiya, mikrobiologiya i higiena i techeniya uroimise Institut. Konverets 3d, 1960. [Reports of the Third Scientific Conference of the Tallinn Scientific Research Institute of Epidemiology, Microbiology, and Hygiene] Sbornik dokladov. Tallinn, 1961. 318 p.

POLIO MYELITIS—PREVENTIVE INOCULATION

Effectiveness of vitaminization in the period of vaccination with live vaccine against poliomyelitis. M. Indulena, I. Kanelo. Izv. AN Latv. SSR no. 8:109-111 '62.

POLISH STUDENTS see Students, Polish

POLITICAL ATROCITIES see subdivision under Algeria

POLITICAL PARTIES see subdivision under Burma

POLITICAL PRISONERS see subdivision under Greece; Portugal

POLITICAL PRISONERS, RUSSIAN see subdivision under Poland

POLLAIUOLO, PIERO, 1443-1496

The mystery of lost treasures. Nov. vrem. 20 no. 3: 31 Ja '63.

POLLEN

Effect of the storage time of pollen of some species of the nightshade family and peas on its germination. L. I. Orel. Trudy po prikl. bot., gen. i sel. 31 no. 2: 145-149 '57.

Formation of sterile pollen in the tomato plant. L. I. Orel. Dokl. AN SSSR 147 no. 6:1495-1498 D '62.

Pollen quality of exotic tree species in the Latvian S. S. R. A. Maurins. Izv. AN Latv. SSR no. 8:129-133 '62.

POLLEN—STORAGE

Recent developments in storing the pollen of pulse crops [with summaries in English, German, and French]. S. I. Vengrenovskii, N. I. Dzheleli. Vest. sel'khoz. nauki 7 no. 10:103-109 O '62.

POLLINATION see Fertilization of plants

POLLUCITE see subdivision under Siberia

POLONIUM

Thermodynamic characteristics of some compounds of astatine and polonium. G. A. Krestov. Radiokhimiya 4 no. 6:690-696 '62.

POLONIUM COMPOUNDS

Chemical changes taking place during β -decay of RaE and their utilization for the synthesis of p-tolyl derivatives of polonium. V. D. Nefedov and others. Zhur. ob. khim. 33 no. 1:15-18 '63.

POLTAVA—ARCHIVES

Poltava, Derzhavnyi arkhiv. [Guidebook to the State Archives of Poltava Province] Putivnyk. [Kharkiv] Kharkivs'ko knyzhkove vyd-vo, 1959. 243 p. (MH)

POLTAVA PROVINCE—WHOLESALE TRADE

Improve direct relations. V. Klovatskii. Sov. torg. 36 no. 12:44-45 D '62.

POLTAVA VALLEY—BUNIAS

Controlling Bunias orientalis with herbicides. H. F. Trubys'kyl. Vniy skh. nauk 5 no. 12:92-94 D '62.

POLYAMIDES

Effect of certain technological factors on the thickness of a polyamide layer. D. T. Avdeev and others. Plast. massy no. 11:68-69 '62.

Heterochain polyamides. Report No. 33: Formation of mixed polyamides at the interface of mixtures of various acid chlorides. V. V. Korshak, T. M. Franze, L. V. Kozlov. Izv. AN SSSR. Old. khim. nauk no. 12: 2220-2235 D '62.

Interaction between polyether and polyamide in a melt. V. V. Korshak and others. Dokl. AN SSSR 147 no. 6: 1365-1368 D '62.

POLYETHYLENE

(see also subdivision under France)

Laws regulating the breakdown of polyethylene insulation of high-voltage cables carrying an impulse voltage. G. P. Oulektoriskii. Vest. elektroprom. 34 no. 1:55-57 Ja '63.

Orientation of crystallites in a polyethylene terephthalate film. Part 1 [with summary in English]. D. I. A. TSvankin. Vysokom. soed. 5 no. 1:123-128 Ja '63.

Orientation of crystallites in a polyethylene terephthalate film. Part 2. [with summary in English]. D. I. A. TSvankin. Vysokom. soed. 5 no. 1:120-134 Ja '63.

Plasticization of polyethylene in low temperature radiolysis. V. G. Nikol'skii, N. I. A. Buben. Dokl. AN SSSR 147 no. 6:1406-1408 D '62.

Reaction of polyethylene with sulfur in the presence of mercaptohenzothiazole and tetramethylthiuram disulfide [with summary in English]. I. A. Dogadkin, A. A. Dontsov. Vysokom. soed. 5 no. 1:39-43 Ja '63.

POLYETHYLENE—TESTING

Behavior of polyethylene under stresses in some corrosive media. N. A. Bokshitskaya, I. I. Kilmov. Plast. massy no. 12:58-62 '62.

POLYETHYLENE—THERMAL PROPERTIES

Temperature resistance of the nitril rubber and chlorosulfonated polyethylene. I. T. Grigdanov, S. F. Priakhina, N. I. Astrakhaneva. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:821-826 '62.

POLYGONUM see subdivision under Uzbekistan

POLYHEDRA

On the existence of closed convex polyhedra with given vertex curvatures in n-dimensional Euclidean and Lobachevskii spaces [with summary in English]. A. A. Zil'berberg. Vest. LGU 18 no. 1:48-52 '63.

POLYMERIZATION

Carbochain polymers and copolymers. Part 43: Synthesis, polymerization, and copolymerization of aromatic esters of vinylphosphonic and α -chlorovinylphosphonic acids [with summary in English]. G. S. Kolesnikov and others. Vysokom. soed. 5 no. 1:32-38 Ja '63.

Catalysts for ethylene oxide polymerization. O. V. Krylov, I. U. E. Sinak. Neftekhimiya 2 no. 5:688-689 S-O '62.

- POLYMERIZATION (Continued)**
- Conversion polymerization of α -olefins. B. A. Krentsel and others. *Neftekhimiya* 2 no. 5:705-708 S-O '62.
- Effect of the acidity of oxide catalysts on their catalytic activity. Part 3: Dimerization of propylene. M. S. Borisova, V. A. Dzis'ko, E. M. Cherednik. *Kin. i kat.* 3 no. 5:734-741 S-O '62.
- Formation of the active surface of ethylene oxide polymerization catalysts. O. V. Krylov, M. I. A. Kushnerev, E. A. Fokina. *Neftekhimiya* 2 no. 5:697-704 S-O '62.
- Heterochain copolymerization. Part 1: Copolymerization of epichlorohydrin with aceto- and benzonitrile [with summary in English]. A. A. Durgarian, R. M. Beglian. *Vysokom. soed.* 5 no. 1:28-31 Ja '63.
- Initiation of radical polymerization by the peroxide derivatives of organoaluminum compounds [with summary in English]. E. B. Milovskaya, P. I. Dolgopolskaya. *Vysokom. soed.* 5 no. 1:151 Ja '63.
- Polybenzothiazolyte. A. I. Kiprianov, I. L. Mushkalo. *Zhur. ob. khim.* 32 no. 12:4040-4047 D '62.
- Polymerization of α -amylenes on complex catalysts [with summary in English]. M. P. Berdnikova, I. V. Kissin, N. M. Chirkov. *Vysokom. soed.* 5 no. 1:63-67 Ja '63.
- Polymerization of a commonone-indene fraction of a light oil obtained by petroleum pyrolysis using a ferric chloride catalyst on silica gel. P. I. Sidkhailade, I. A. Gukhman. *Izv. vys. ucheb. zav. i nauch. i zhurn.* 5 no. 4:55-58 '62.
- Polymerization of α -oxide compounds; review of literature. M. F. Sorokin, Z. A. Kochnova. *Lakokras. mat. i khim. prim.* no. 5:89-96 '62.
- Polymerization of allylcyclohexane in the presence of the catalytic system $TiCl_4 + Al(iso-C_4H_9)_3$. A. V. Topchiev, E. L. Pantolova, L. V. Osipova. *Dokl. AN SSSR* 147 no. 4:857-859 D '62.
- Polymerization of ethylene and some other vinyl monomers with soluble catalytic systems. A. V. Topchiev, L. L. Stoitskaya, B. A. Krentsel. *Plast. massy* no. 12: 3-12 '62.
- Polymerization of trichloroacetaldehyde in the presence of an organometallic catalyst. G. E. Semende and others. *Dokl. AN SSSR* 147 no. 6:1386-1388 D '62.
- Problem of the reducing dimerization of acrylonitrile on a mercury electrode. S. I. Zhdanov, L. G. Feoktistov. *Izv. AN SSSR, Otd. khim. nauk* no. 1:53-57 '63.
- Role of a carrier in chromia polymerization catalysts. K. G. Miessarov. *Neftekhimiya* 2 no. 5:681-687 S-O '62.
- Spectral investigation of the interaction between anthracene derivatives and monomers in the process of polymerization. Part 2: Reaction of anthracene with styrene [with summary in English]. A. S. Cherkasov, K. G. Volodakina. *Vysokom. soed.* 5 no. 1:79-87 Ja '63.
- Synthesis of ion-exchange films by graft copolymerization [with summary in English]. E. B. Trostianskaya, A. S. Tevlina. *Vysokom. soed.* 5 no. 1:44-48 Ja '63.
- Telomerization reaction of dimethylcyclosiloxanes. Report No. 4: Reactions involving silicon tetrachloride. K. A. Andrianov, V. V. Severnyy. *Izv. AN SSSR, Otd. khim. nauk* no. 1:82-86 '63.
- Thermal dimerization of allene. I. A. M. Stobodin, A. P. Khiltov. *Zhur. ob. khim.* 33 no. 1:153-157 '63.
- Use of nitrogen oxide as an inhibitor of the gas phase ω -polymerization. E. G. Novitskii, G. V. Korolev. *Plast. massy* no. 11:6-7 '62.
- POLYMERS**
- Adhesion of high polymers to metals. Part 3: Thickness and structure of the oxide film on a metallic substrate as affecting adhesion. I. U. I. Markin and others. *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 5 no. 5:808-814 '62.
- Asymmetry of critical opalescence in polymer solutions [with summary in English]. V. N. TSvetkov, V. E. Es'kin, V. S. Skazka. *Ukr. fiz. zhur.* 7 no. 8:923-927 Ag '62.
- Bachurin, D. G. [Study and uses of polymers in industry; a survey of foreign techniques] *Ispovedovanie i primeneniye polimerov v promyshlennosti*. Moskva, GOSINTI, 1962. 111 p. (Otkryt zarubezhnoi tekhniki. Tema 10) [MICROFILM]
- Bearings from polymers. V. Berezinkov, G. Lavrent'ev. *Tekhn. v sel'khoz.* 22 no. 11:69-71 N '62.
- Catalytic acetylation of some polymers. G. N. Dorofeenko and others. *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 5 no. 5:804-807 '62.
- Chemists supplement nature. V. Karhin. *Nauka i zhytiya* 12 no. 10:38-39 O '62.
- Chlorophosphorylated atactic polypropylene [with summary in English]. D. Bellus, Z. Manasek, M. Lazar. *Vysokom. soed.* 5 no. 1:145-150 Ja '63.
- Copolymers of salts of unsaturated dicarboxylic acids with methacrylic acid [with summary in English]. E. V. Kuznetsov, V. E. Lozhkin. *Vysokom. soed.* 5 no. 1:24-27 Ja '63.
- Determination of the molecular weights of polymers by the monolayer method [with summary in English]. V. A. Ogarev, A. A. Trapeznikov. *Zhur. fiz. khim.* 36 no. 12:2644-2652 D '62.
- Development of research on polymer mechanics; results of the 13th Conference on High-molecular Compounds. M. L. Rokhlin. *Vest. AN SSSR* 33 no. 1:117-119 Ja '63.
- Effect of structuration of elastomers on their adhesion to fiber-forming polymers. Part 4: Effect of prevulcanization of rubber compounds on their adhesion to fiber-forming polymers [with summary in English]. V. G. Raevskii, S. S. Vojutskii. *Vysokom. soed.* 5 no. 1:108-111 Ja '63.
- Effect of the dispersity of filler and its grinding time on the physicomechanical properties of polymers [with summary in English]. A. M. Smirnova and others. *Koill. zhur.* 24 no. 6:742-748 N-D '62.
- Elementoorganic polymers. V. V. Korshak, A. M. Sladkov, L. K. Luneva. *Izv. AN SSSR, Otd. khim. nauk* no. 12: 2251-2253 D '62.
- Fractionation of copolymers. Effect of the composition on phase relations. A. V. Topchiev, A. D. Litmanovich, V. I. Shtern. *Dokl. AN SSSR* 147 no. 6:1360-1361 D '62.
- From an insulator to a diamond. M. Dobrolub'ska. *Nauka i zhytiya* 12 no. 11:42 N '62.
- Lowering the permeability of concrete using polymer materials. V. I. Solomatov. *Izv. ASIA* 4 no. 4:59-63 '62.
- Possibility of using various polyarylates as insulating film materials. T. S. Kintzeva and others. *Plast. massy* no. 12:37-40 '62.
- Progress in the field of fiber- and film-forming polymers (from "Faserf. u. Textiltechn."). no. 6, 1962). *Khim. volokn.* no. 6:66-68 '62.
- Properties of a polymer-semiconductor interface. G. A. Sokolina, N. A. Krotova, I. U. A. Khustalev. *Dokl. AN SSSR* 147 no. 6:1409-1412 D '62.
- Synthesis of copolymers of allyl glycid ether and methylethacrylate. M. F. Sorokin, E. L. Khinchina. *Lakokras. mat. i khim. prim.* no. 5:10-17 '62.
- Synthesis of graft copolymers and study of their properties. Part 2: Sizes, configurations, and optical properties of the macromolecules of methyl methacrylate-styrene graft copolymer [with summary in English]. V. N. TSvetkov and others. *Vysokom. soed.* 5 no. 1: 3-10 Ja '63.
- Synthesis of insoluble polymer complexes [with summary in English]. E. B. Trostianskaya, G. Z. Nefedova. *Vysokom. soed.* 5 no. 1:49-58 Ja '63.
- Synthesis of new derivatives of cellulose. Part 24: Synthesis of graft copolymer of cellulose with polyacrylonitrile and study of its properties [with summary in English]. Sun' Tun (Sun T'ung), Li Zhui (Li Jui), Z. A. Rogovin. *Vysokom. soed.* 5 no. 1:18-23 Ja '63.
- Synthesis of polymers on the basis of 2,6-lutidine and aromatic dialdehydes [with summary in English]. G. I. Kudrinskii, E. A. Vasil'eva-Sokolova, I. S. Mazel. *Vysokom. soed.* 5 no. 1:151-162 Ja '63.
- Theoretical estimates of the bond breaking energy in solid polymers. A. I. Gubanov, A. D. Chevychev. *Fiz. tver. tela* 5 no. 1:91-95 Ja '63.
- Theory of the nuclear magnetic relaxation in liquid phase polymers [with summary in English]. T. N. Khasanovich. *Vysokom. soed.* 5 no. 1:112-119 Ja '63.
- Using polymers in the preparation of compound fertilizers and their effectiveness. A. D. Khomenko. *Zemledelie* 24 no. 11:65-69 N '62.
- Using the optical and console methods for investigating the inner stresses of polymer coatings. A. T. Sanzharovskii, N. L. Maslennikova, S. V. Iakubovich. *Lakokras. mat. i khim. prim.* no. 5:30-37 '62.
- POLYMERS—BIBLIOGRAPHY** see Bibliography—Polymers
- POLYMERS—OPTICAL PROPERTIES**
- Optical properties of polymer solutions near the demixing point [with summary in English]. E. V. Frisman, Stai Mao. *Ukr. fiz. zhur.* 7 no. 8:915-919 Ag '62.
- POLYMERS—TESTING**
- A method for complex determination of the thermophysical characteristics of polymers as dependent on the parameters of the external medium - temperature and pressure. P. G. Alekseev. *Teplota i massaoper.* 1:102-104 '62.
- Role of fatigue and degradation in the wear of polymers. E. G. Lur'e, S. B. Ratner. *Plast. massy* no. 11:47-48 '62.
- POLYMERS—THERMAL PROPERTIES**
- Device for simultaneous determination of the coefficients of heat and temperature conductivity of polymeric materials. V. O. Fogeit, P. G. Alekseev. *Zav. lab.* 28 no. 12:1520-1529 '62.
- A method for complex determination of the thermophysical characteristics of polymers as dependent on the parameters of the external medium - temperature and pressure. P. G. Alekseev. *Teplota i massaoper.* 1:102-104 '62.
- Preparation of heat-resistant polymer materials by pyrolysis methods. Foam graphites. V. A. Popov and others. *Plast. massy* no. 12:18-21 '62.
- POLYMERS, EFFECT OF RADIATION ON**
- Effect of gamma-radiation on the shape of Mössbauer resonance absorption spectra in tin-organic compounds [with summary in English]. A. I. U. Aleksandrov and others. *Zhur. eksp. i teor. fiz.* 43 no. 6:2074-2076 D '62.
- POLYMERS, HIGH** see Macromolecular compounds
- POLYNESIA—DISCOVERY AND EXPLORATION**
- Seaways to Polynesia. Thor Heyerdahl. *Priroda* 52 no. 1:75-84 '63.
- POLYNOMIALS**
- A method simplifying the mechanization of the numerical solution of certain problems. A. R. Khvoles, I. G. Sulkanishvili. *Trudy Vych. isentra AN Gruz. SSR* 2: 315-318 '62.
- POLYPLOIDY**
- Making use of triploidy in developing high-yielding forms of mulberry trees. I. K. Abdullaev. *Agrobiologiya* no. 6:861-865 '62.
- POLYPS** see Coelenterata
- POLYSACCHARIDES—SPECTRA**
- Effect of crystallinity, chain branching, and water content on the shape of the nuclear magnetic resonance line of polysaccharides [with summary in English]. V. I. Glazkov. *Vysokom. soed.* 5 no. 1:120-122 Ja '63.
- POLYZOA, FOSSIL**
- Taxonomy and phylogeny of Fenestelloidea. I. P. Morozova. *Paleont. zhur.* no. 4:104-115 '62.
- POPASNAYA DISTRICT—POLITICS AND GOVERNMENT**
- "Dissenting opinion" of the Executive Committee of Popasnaya District. V. Postyka. *Sov. deput. trud.* no. 6:77-78 Je '62.
- POPLAR**
- (see also subdivision under Dnepropetrovsk Province; Ukraine; Zhitomir Province)
- Hail injury to poplar plantations. S. V. Snyachenko. *Zashch. rast. ot vred. i bol.* 5 no. 11:42 N '60.
- Structure of the leaves of sectorial chimerical shoots in poplars. A. E. Vasil'ev. *Bot. zhur.* 47 no. 11:1691-1698 N '62.
- POPLAR—DISEASES AND PESTS** see subdivision under Ukraine
- POPOV, ALEKSANDR SERAFIMOVICH, 1863-1949**
- Birth of the flood. N. Rodionov. *V mire knig* 2 no. 11: 31 N '62.
- Dear features. Ark. Airumian. *V mire knig* 2 no. 11: 28-29 N '62.
- From whom we learn. Viktor Petrov. *V mire knig* 2 no. 12:26-27 D '62.
- Great friendship. S. Bandas. *Voen. znan.* 30 no. 1: 13-14 Ja '63.
- Great man. R. Khigerovich. *V mire knig* 2 no. 11: 26-28 N '62.
- People's writer. E. Kabalkina, A. Kunba. *Bibliotekar'* no. 1:29-32 Ja '63.
- Serafimovich for children. F. Selin. *Nar. obr.* no. 1: 88-90 Ja '63.
- Two meetings. Konst. Konichev. *V mire knig* 2 no. 11:29-31 N '62.
- POPOV, ALEKSANDR SERAFIMOVICH, 1863-1949—BIBLIOGRAPHY** see Bibliography—Popov, Aleksandr Serafimovich, 1863-1949
- POPOV, LUKIAN VASIL'EVICH, 1873-1914**
- Roginskaya, F. S. [Lukian Vasil'evich Popov, 1873-1914. Leningrad, Khudozhnik RSFSR, 1961. 108 p. illus. (MIU)]
- POPOVICH, PAVEL ROMANOVICH, 1930-**
- In the hometown of the fourth astronaut. Evgenii Dembo. *Sem'ia i shkola* 18 no. 1:12-15 Ja '63.
- Space week. Grazhd. av. 19 no. 8:2 of cover-6 S '62.
- POPPY** see subdivision under Kirghizistan
- POPPY—DISEASES AND PESTS** see subdivision under Ukraine
- POPULATION—STATISTICS**
- Statistics and composition of the population of Russia on the eve of the Great October Socialist Revolution. Submitted by L. S. Gaponenko, V. M. Kabuzan, T. F. Kuz'mina. *Ist. arkh.* 8 no. 5:57-62 S-O '62.
- "The U. S. S. R. in figures; the statistics of 1961." Reviewed by I. Shutoy. *Sov. deput. trud.* no. 6:81-92 Je '62.
- PORCUPINES** see subdivision under Turkmenistan
- PORKHOV DISTRICT—COLLECTIVE FARMS—FINANCE**
- Economic efficiency of combing flax production with other branches on the collective farms of Porkhov District, Pskov Province. E. A. Firsov. *Dokl. TSKHA* no. 50:161-169 '59.
- PORKHOV DISTRICT—FLAX**
- Economic efficiency of combing flax production with other branches on the collective farms of Porkhov District, Pskov Province. E. A. Firsov. *Dokl. TSKHA* no. 50:161-169 '59.

POROUS MATERIALS

Design of a multichamber apparatus with a fluidized bed for cooling fine-grained materials [with summary in English]. A. P. Baskakov. *Inzh.-fiz. zhur.* 6 no. 1: 101-104 Ja '63.

Penetration of iron alloys into packed sand. B. V. Tsarevskii, S. I. Popel', L. L. Lazarev. *Izv. AN SSSR. Otd. tekhn. nauk. Met.* 1 topl. no. 6:49-54 N-D '62.

Use of drying energy diagrams in analyzing the bonds of moisture with cement concrete [with summary in English]. V. M. Kazanskii. *Inzh.-fiz. zhur.* 6 no. 1:97-100 Ja '63.

PORTABLE BUILDINGS see Buildings, Portable

PORTER, WILLIAM SYDNEY, 1862-1910

Harun al-Rashid over the subway. V. Vladimirov. *Ggonek* 40 no. 37:30-31 S '62.

PORTUGAL—COLONIES—AFRICA see Africa—Portuguese colonies

PORTUGAL—ECONOMIC CONDITIONS

When Catarina made Salazar tremble. M. L. Coudert. *Zhen. mira* no. 5:23-24, 34 '62.

PORTUGAL—POLITICAL PRISONERS

Women in Portuguese jails do not give up. Maria Luisa da Costa Dias and others. *Zhen. mira* no. 4:32-34 '62.

PORTUGAL—WOMEN

When Catarina made Salazar tremble. M. L. Coudert. *Zhen. mira* no. 5:23-24, 34 '62.

POSITIVISM

(see also subdivision under Great Britain)

Narskii, I. S., and L. N. Suvorov. [Positivism and the mechanistic revision of Marxism] *Positivizm i mekhanisticheskaya reviziya marksizma*. Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 82 p. (Materialy k lektsiiam po filosofii)

POSTAGE STAMPS

(see also subdivision under Laos)

Collector's pages. *Sov. knizh. torg.* 14 no. 10:40-40 '62.

POSTAGE STAMPS—COLLECTORS AND COLLECTING

Postage stamp album. A. Belov. *Sem'ia i shkola* 18 no. 1:38-39 Ja '63.

POSTAGE STAMPS—CONGRESSES

"Prague, 1962." K. Berngard. *Sov. knizh. torg.* 14 no. 12:45-46 D '62.

POSTAL CARDS

If they inform the reader. G. Fidler. *Sov. knizh. torg.* 14 no. 12:35-36 D '62.

POSTAL SERVICE

(see also subdivision under Nikolayev, Nikolayev Province; Rotterdam)

Eliminate shortcomings in processing dispatches with cash on delivery and acknowledgement of delivery. *Vest. svyazi* 22 no. 12:26 D '62.

Spare no effort in raising the quality of postal service. *Vest. svyazi* 22 no. 12:1-2 D '62.

Vlashevskaya, M. N. [The old Russian postal service] *Starinnaya russkaya pochta*. [Moskva] Svyaz'izdat, 1962, 78 p.

POSTERS

Beacons of Siberia. T. S. Kudryavtseva. *Sov. bibl.* no. 6: 33-36 '62.

Deficiencies in visual propaganda. F. Mikhailov. *Part. zhizn'* no. 4:59-60 F '63.

Outdoor posters. N. Pogrebniuk. *Sov. knizh. torg.* 14 no. 12:12-13 D '62.

POTASH—ANALYSIS

Rapid EDTA method of determining the content of the sulfate ion in potash. A. A. Antonova, T. A. Terent'eva. *Stek, i ker.* 19 no. 12:23-24 D '62.

POTASSIUM

Decomposition of organic substances by metallic potassium. Report No. 4: New method for the simultaneous determination of silicon and phosphorus. V. P. Burlako, M. N. Chumachenko. *Izv. AN SSSR. Otd. khim. nauk* no. 1:5-7 '63.

POTASSIUM—ISOTOPES

Control of the process of preparing metallic potassium by the intensity of radioactive radiation. S. I. Rompel' and others. *Zav. lab.* 28 no. 12:1474-1475 '62.

POTASSIUM—PRODUCTION CONTROL

Control of the process of preparing metallic potassium by the intensity of radioactive radiation. S. I. Rompel' and others. *Zav. lab.* 28 no. 12:1474-1475 '62.

POTASSIUM—SPECTRA

Determination of the effective excitation cross sections of the arc lines of potassium. L. M. Volkova. *Opt. i spekt.* 13 no. 6:849-851 '62.

POTASSIUM BROMIDE

Formation of F-centers in KCl-KBr solid solutions. I. A. Melik-Gaikazian, D. I. Vaisburd. *Izv. vys. ucheb. zav.; fiz.* no. 6:174-176 '62.

POTASSIUM BROMIDE CRYSTALS

Dielectric properties of potassium bromide single crystals. V. V. Panchenko. *Uch. zap. Volg. gos. ped. inst.* no. 11:115-117 '59.

POTASSIUM CHLORIDE

Formation of F-centers in KCl-KBr solid solutions. I. A. Melik-Gaikazian, D. I. Vaisburd. *Izv. vys. ucheb. zav.; fiz.* no. 6:174-176 '62.

POTASSIUM CHLORIDE CRYSTALS

Linear expansion coefficient of KCl crystals irradiated with protons. I. N. Anokhina and others. *Kristallografiya* 7 no. 3:420-432 My-Je '62.

POTASSIUM IN THE BODY

Character of the changes in potassium and sodium excretion in the urine of patients during radiotherapy. A. S. Smagulov. *Zdrav. Kazakh.* 22 no. 7:17-21 '62.

POTASSIUM NITRATE CRYSTALS

Phase transitions in KNO₃. A. L. Khodakov, E. Z. Mirskaya. *Kristallografiya* 7 no. 3:477 My-Je '62.

POTASSIUM OXIDE

Thermal stability limit of potassium ozonide. E. I. E. I. Sokovnin. *Izv. AN SSSR. Otd. khim. nauk* no. 1: 181-182 '63.

POTASSIUM PERMANGANATE

(see also subdivision under Rustavi)

Removal of sulfur compounds from coke gas by means of sludge from potassium permanganate production. M. I. A. Gdzelskii. *Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:40-55 '62.

POTASSIUM PHOSPHATES

Reactions of dialkylchlorosilanes and alkyltrichlorosilanes with potassium dihydrophosphate. A. P. Kreshkov and others. *Zhur. ob. khim.* 33 no. 1:261-265 '63.

POTASSIUM SALTS

(see also subdivision under Starobin District)

Application of bismale as an analytical reagent in the titration of potassium salts. R. Zagats. *Izv. AN Latv. SSR* no. 4:171 '61.

POTATO BEETLE

Regenerative capacity of potatoes. P. A. Khizhniak, S. I. Pushkar', N. N. Iakovleva. *Zashch. rast. ot vred. i bol.* 5 no. 7:47-48 Ji '60.

POTATO BEETLE—BIOLOGICAL CONTROL

Introduction of tachinid flies, parasites of the Colorado beetle. N. N. Shutova. *Zashch. rast. ot vred. i bol.* 5 no. 3:47-48 Mr '60.

POTATO BEETLE—EXTERMINATION

(see subdivision under Transcarpathia)

Elimination of focuses of the Colorado beetle. M. G. Kelsarukhskii, G. S. Sokolova. *Zashch. rast. ot vred. i bol.* 5 no. 6:40 Je '60.

Invasion of the Colorado beetle. V. V. Abramenko. *Zashch. rast. ot vred. i bol.* 5 no. 10:63 O '60. Joint commissions continue their work. V. V. Abramenko. *Zashch. rast. ot vred. i bol.* 4 no. 5:63 S-O '59. Preparations for controlling the Colorado beetle. I. A. Iurevich. *Zashch. rast. ot vred. i bol.* 5 no. 7:43 Ji '60.

POTATO BREEDING

Breeding industrial and table potato varieties resistant to potato cancer and late blight [with summaries in English, German, and French]. G. Z. Ivanchenko, E. A. Ivanchenko. *Vest. sel'khoz. nauki* 7 no. 10:14-17 O '62.

POTATO DIGGER (MACHINE)

Potato-digging machines can be improved. L. Bezrukii. *NTO* 4 no. 9:47 S '62. Study of an air stream method for separating potato tubers from soil lumps and stones. *Mekh. i elek. sois. sel'khoz.* 20 no. 6:38-40 '62.

POTATO ROT

(see also subdivision under Egypt; Soviet Far East)

Biochemistry of the interaction between the fungus *Phytophthora infestans* and the potato. O. N. Savol'eva, B. A. Rubin. *Biokhim. pl. i ovoshch.* no. 7:115-132 '62.

Conversions of chlorogenic acid and the resistance of potato tubers to *Phytophthora infestans*. V. E. Sokolova. *Biokhim. pl. i ovoshch.* no. 7:90-114 '62.

Direct oxidation of potatoes infested by *Phytophthora*. B. A. Rubin, O. L. Ozeretskova. *Biokhim. pl. i ovoshch.* no. 7:133-147 '62.

How the blackleg of potatoes spreads. Khe Li-Yuan' [Ho Li-Yuan]. *Zashch. rast. ot vred. i bol.* 5 no. 3: 57 Mr '60.

Potato midge, vector of rot infection in vegetable storages. A. I. Zrazhevskii. *Zashch. rast. ot vred. i bol.* 5 no. 10:27 O '60.

POTATO WART

Fall soil disinfection against potato wart. Kh. V. Sazonik. *Zashch. rast. ot vred. i bol.* 4 no. 5:49 S-O '59. Studies on the biochemistry of wart resistance in potatoes. D. V. Lipskii. *Biokhim. pl. i ovoshch.* no. 7:60-64 '62.

POTATOES

(see also subdivision under Moscow Province)

Behavior of potato varieties in a gamma-field. I. U. A. Meshechkin. *Sbor. stud. nauch. issl. rab. TSKHA* no. 11:197-203 '62.

Effect of γ -irradiation of tubers on the carbohydrate and protein metabolism in potato plants. A. I. Grechashnikov, V. S. Serebrennikov. *Biokhim. pl. i ovoshch.* no. 7:51-59 '62.

Use of radioactive isotopes in a method for separating potato tubers from soil lumps and stones. R. A. Srapentants, S. A. Said-Khodzaev. *Mekh. i elek. sois. sel'khoz.* 20 no. 6:40-43 '62.

POTATOES—DISEASES AND PESTS

(see also subdivision under Kazakhstan; Lithuania; Zaporozh'ya Province)

Biochemical characteristics of normal and degenerated potatoes. A. S. Okanenko and others. *Biokhim. pl. i ovoshch.* no. 7:85-95 '62.

Chemical method for diagnosing *Ditylenchus* infection of potatoes. S. G. Minge. *Zashch. rast. ot vred. i bol.* 4 no. 5:41 S-O '59.

Degeneration of potatoes and measures for its control. L. V. Rozhalin. *Agrobiologiya* no. 6:912-922 N-D '62.

Expediency of quarantining the disease caused by *Phoma tuberosa*. G. K. Iatsenko. *Zashch. rast. ot vred. i bol.* 5 no. 7:47 Ji '60.

POTATOES—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the vitamin C content of potato tubers [with summaries in English, German, and French]. S. A. Aslanian. *Vest. sel'khoz. nauki* 7 no. 10:21-24 O '62.

POTATOES—STORAGE

Mechanized crib-type storage barn for potatoes. A. Plavinskii, G. Khronopulo. *Sel. strol.* 16 no. 1:insert: 7-8 Ja '62.

Use of ionizing radiation for controlling the dormancy of potatoes in storage. Report No. 3. L. V. Metitskii. *Biokhim. pl. i ovoshch.* no. 7:5-50 '62.

POTATOES AS FEED

Effectiveness of feeding ensiled potatoes to swine. M. M. Karpus'. *Nauk. prat. asp. UASHN* no. 5:170-177 '60.

POTEBNIA, ALEKSANDR AFANAS'EVICH, 1835-1891

Akademik nauk URSS, Kiev. Institut moyoznavstva. [Aleksandr Afanas'evich Potebnia: a volume commemorating the 125th anniversary of his birth] *Aleksandr Afanas'evich Potebnia: lyubimyy zbirnyk do 125-rihchshia z dnia narodzhennia*. Kyiv, Akad. nauk URSS, 1962, 110 p. (MH) (NNC)

POTENTIAL, THEORY OF

Application of Green's function method to the thermodynamics of interstitial solutions. A. G. Khachatryan. *Fiz. tver. tela* 5 no. 1:15-20 Ja '63.

Boundary values of potential functions. T. G. Gogolia. *Trudy Vych. tsentra AN Gruz. SSR* 2:265-313 '62.

Distribution of the potential and motion of minority carriers in CdS single crystals. S. Kynov, R. Pirinchikova, K. Marinova. *Fiz. tver. tela* 5 no. 1:291-300 Ja '63.

Extending the spin wave method to finite temperatures. S. V. Tabilikov, E. M. Iakovlev. *Fiz. tver. tela* 6 no. 1:137-141 Ja '63.

POTENTIOMETER

Structural and technological analysis of the accuracy of characteristics of wire-type functional potentiometers. V. A. Volkov. *Priborostroenie* no. 12:6-11 D '62.

POTENTIOMETRIC ANALYSIS

Determination of aniline by a potentiometric titration method using bromination [with summary in English]. G. P. Tikhomirova, S. L. Belen'kaya. *Zhur. anal. khim.* 17 no. 6:767-769 S '62.

Mercurimetric determination of halides by the potentiometric method [with summary in English]. Z. I. Ivanova, P. N. Kovalenko. *Zhur. anal. khim.* 17 no. 6:730-742 S '62.

POTTERY

(see also subdivision under Black Sea region)

Heat flow and radiation drying kiln with an output of 600 cups per hour. G. A. Koval'man, V. A. Sokolova. *Trudy GIKI* no. 1:3-17 '60.

Recommended technical specifications should protect quality. L. Shcheglov, N. Alekseev. *Sov. torg.* 36 N '62.

POTTERY—MARKS see subdivision under Lenino District

POTTERY, BOLGAR see subdivision under Volga Valley

POTTERY, PRIMITIVE see subdivision under Lelushen

POTTERY, SCYTHIAN—MARKS see subdivision under Ross Valley

POULTRY

[Pocket manual for the poultry maid] *Karmannyi spravochnik ptitsintay*. [Moskva] Mosk. rabochii, 1962, 111 p. (DNAL)

POULTRY—DISEASES AND PESTS

(see also subdivision under Alma-Ata Province; Azerbaijan)

Mechanism of the transmission of the infectious conjunctivitis of chickens. M. K. Ganiev, F. B. Shirinov. Trudy Azer. nauch.-issl. vet. inst. 13:42-44 '62.

Studying the possibility of transmitting the causative agent of the infectious conjunctivitis of chickens through the egg. M. K. Ganiev, F. B. Shirinov. Trudy Azer. nauch.-issl. vet. inst. 13:48-47 '62.

POULTRY—FEEDING AND FEEDS

(see also subdivision under Armenia)

Effect of increased rates of riboflavin on the weight gain of chicks. O. A. Garibuzova, P. P. Mitzgunova, M. D. Sheychenko. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:331 '62.

Effect of microelements on the growth and development of young birds. F. Lazarev, L. Safonova, E. Godovkina. Uch. zap. Kub. gos. ped. inst. no. 37:27-32 '62.

POULTRY BREEDING see subdivision under Moscow Province

POULTRY HOUSES AND EQUIPMENT

(see also subdivision under Moscow Province)

Complex setup of a mechanized poultry house. R. M. Slavin. Mekh. i elek. sots. sel'khoz. 20 no. 6:44-47 '62.

Hot-air heating for poultry houses. E. Morozov, L. Sorokin. Tekh. v sel'khoz. 22 no. 11:26-29 N '62.

Hot-water heating system for poultry houses. N. Gusearov. Tekh. v sel'khoz. 22 no. 11:29-30 N '62.

POULTRY HOUSES AND EQUIPMENT—HYGIENIC ASPECTS

This is your fault, comrade designers! I. Nikitskii. Okhr. truda i sots. strakh. 6 no. 1:17 Ja '63.

POULTRY PLANTS—DESIGN AND CONSTRUCTION

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Program of an open competition for the development of standard plans for meat and poultry combines] Programma otkrytogo konkursa na razrabotku tipovykh proektov miasokombinatov i ptitse-kombinata. [Moskva] Pishchepromizdat, 1959. 15 p.

POVERTY see subdivision under United States

POWDER METALLURGY

Characteristics of the method of blowing powders into the arc flame in the spectrum analysis of ores. A. K. Rusanov, N. T. Batova. Izv. AN SSSR. Ser. fiz. 27 no. 1:8-9 Ja '63.

Contactless method of measuring the electric resistance of nonmagnetic materials. G. I. Aksenov, I. U. S. Bykhovskii, E. M. Minaev. Zav. i fab. 20 no. 12:1467-1469 '62.

Investigating the kinetics of the reduction of ore-coal pellets. I. U. Kozhevnikov. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:12-26 N-D '62.

Mechanical properties of powdered copper as dependent on its porosity. K. V. Savitskii and others. Izv. vys. ucheb. zav. i fiz. no. 6:57-63 '62.

POWDERS

Thermophysical and other characteristics of artificial graphite particles. V. A. Kalender'yan, R. A. Bakhtolzin, Z. R. Gorbis. Teplo- i massoper. 1:131-139 '62.

POWER ENGINEERING

(see also subdivision under United States)

Objectives of the periodical "Energetik" for 1963. Energetik 11 no. 1:1-2 Ja '63.

Points from technical trade journals. Energetik 10 no. 12:29-30 D '62.

POWER ENGINEERING—CONGRESSES

Meeting of the workers of several branches of the power machinery construction industry. M. F. Sichikov. Teploenergetika 9 no. 12:83-85 D '62.

POWER ENGINEERING—COSTS see subdivision under Europe, Eastern

POWER PLANTS

Thermal and heat and electric power plants. M. Makhlis, I. U. Orlov. Znan.-sila 37 no. 11:14-15 N '62.

POWER PRESSES

Pneumatic press for fitting ball bearings. I. I. Andreev. Mashinostroenie no. 5:108 S-O '62.

Power press for straightening horn plates. V. Z. Gril'at, Khar. prom. no. 4:46-47 O-D '62.

Universal pneumatic press. V. D. Svichkarov. Mashinostroitel' no. 12:28 D '62.

POWER PRESSES—MAINTENANCE AND REPAIR

Reconditioning by welding the housing of a crankshaft pipe press. I. A. Kesel'man. Svar. protzv. no. 7: 20-31 Ji '62.

POWER PRESSES—TESTING

Testing presses by means of hydraulic loading devices. M. M. Rozenblat, V. I. Sokov. Kuz.-shtam. protzv. 4 no. 12:26-29 D '62.

POWER RESOURCES see subdivision under Yakutia

POWER SHOVELS

The D-536 power shovel. A. D. Rogov. Stroi. i dor. mash. 7 no. 12:14-15 D '62.

POWER TRANSMISSION

Computations for the design of power transmission systems performed by electronic computers. B. N. Pshe-nichnyi, Zhur. vych. mat. i mat. fiz. 2 no. 5:942-947 S-O '62.

PRAGMATISM

Gnosology of pragmatism and the semiotics of Charles Morris. L. O. Reznikov. Vop. filos. 17 no. 1:102-115 '63.

PRAGUE—CIVIC IMPROVEMENT

How we fare in the city of Prague. J. Fiedlsig. Sov. deput. trud. no. 6:108-112 Ja '62.

PRAGUE—EXHIBITIONS

Useful discussion; seminar of news photographers in Prague. L. Porter, A. Stuzhin. Sov. foto 22 no. 12: 24 D '62.

PRAGUE—STUDENTS, NEPALESE

Sheba goes home. Vsem. stud. nov. 16 no. 5:618 My-Je '62.

PRAVDINSK DISTRICT—CHILDREN IN AGRICULTURE

Cost of heroism. Viacheslav Sterin. IUn. nat. no. 1: 6-7 Ja '63.

PRECAST CONCRETE

(see also subdivision under Dnepropetrovsk; Estonia; Moscow Province; Omsk Province)

Grodekii, E. Ia., and A. B. Grodek. [Mesh-reinforced concrete elements for rural buildings and structures] Armatsementnye konstruktivnye sel'skikh zdani i sooruzhenii. Moskva, Gosstroizdat, 1962. 66 p.

Heating concrete products without electrodes. O. Shirokov. Stroitel' 6 no. 11:4-5 N '62.

Increasing the prefabrication of precast elements. P. G. Vetrov. Stroi. i arkh. Len. 25 no. 1:21-23 Ja '63.

Manufacture of reinforced concrete rings for silos in which to store cement. N. E. Vashchenko. Transp. stroi. 12 no. 12:45-46 D '62.

More about limiting the number of types of reinforced concrete elements. B. I. Polner. Transp. stroi. 12 no. 12:58 D '62.

Reinforced concrete truss beams for buildings with a flat roof. Biul. stroi. i tekhn. 19 no. 12:29-30 D '62.

PRECAST CONCRETE—TESTING

Effect of oil saturation of concrete on the bearing capacity of reinforced concrete elements. G. M. Arskii, N. I. Ryndin. Prom. stroi. no. 10:44-46 '62.

PRECAST CONCRETE CONSTRUCTION

(see also subdivision under Germany, East; Kazakhstan; Krivoy Rog Basin; Tashkent; Ukraine; Uzbekistan)

Assembly of cylindrical precast reinforced concrete tanks. A. V. Lintsevich, N. T. Kontaev. Stroi. truboprov. 7 no. 12:16-19 D '62.

Completely precast buildings must have improved elements. Z. V. Kaplanov. Stroi. i arkh. Len. 25 no. 1:17-20 Ja '63.

Construction and operation of large-panel apartment houses. I. Vikhrov, V. Koshevoi. Zhil. stroi. no. 2: 9-10 '62.

Construction of a mill for continuous pipe rolling in Pervouralsk. M. Krivitskaya. Na stroi. Ros. no. 12: 9-10 D '62.

Erection of buildings out of reinforced concrete parts using a hay stacker. K. Gerasimuk. Sel'. stroi. 15 no. 4:26-27 Ap '60.

Experimental frame-slab school on the state farm "Zaria Kommunizma." E. Ablova and others. Sel'. stroi. no. 12:8b-10 '62.

In eight days. G. Bychkov. Na stroi. Ros. no. 12:33 D '61.

In the Scientific Research Institute for the Organization and Mechanization of Construction. Biul. stroi. i tekhn. 10 no. 12:40-41 D '62.

The main building of a concentration plant made of precast reinforced concrete. I. U. Kolomoichenko. Prom. stroi. i inzh. scor. 4 no. 5:24-28 S-O '62.

Mooring quay of precast reinforced concrete. M. Lazebnik, G. TSinker. Stroi. i arkh. 10 no. 8:28-30 Ag '62.

New developments in open-air construction of subway stations. G. Molodtsov, E. Barskii. Stroi. i arkh. Mosk. 12 no. 1:33-34 Ja '63.

Rapid assembly of large-panel buildings. M. Bukman, I. U. Fippov, I. Tarasova. Zhil. stroi. no. 12:13-15 '62.

Salavat. A. Kazakov. Zhil. stroi. no. 12:23-25 '62. Series 1-480 large-panel apartment houses. D. Kuznetsov. Zhil. stroi. no. 12:17-19 '62.

Standardized building with a bearing frame. A. Titin. Sel'. stroi. 16 no. 1:21-22 Ja '62.

Strength, economy, beauty; for further improvement of large-panel housing construction. A. A. Sizov. Stroi. i arkh. Len. 25 no. 1:13-16 Ja '63.

Technical and economic indices of plans of completely precast public buildings. A. Budilovich. Zhil. stroi. no. 12:4-6 '62.

They fulfill their obligations. I. Den'pianenko. Stroitel' 8 no. 11:10 N '62.

Using the method of Leningrad housing construction workers. E. Nekrich. Na stroi. Ros. no. 12:32 D '61.

With a guarantee of high quality. S. Savinov. Na stroi. Ros. no. 12:34 D '61.

PRECAST CONCRETE CONSTRUCTION—EQUIPMENT AND SUPPLIES

Using instruments to check the assembly of precast buildings. V. Miskovets. Zhil. stroi. no. 12:28 '62.

PRECIPITATION (METEOROLOGY) see subdivision under Kishchay Valley; Maritime Territory

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNADIENEDIONE

Some problems in the clinical aspects and therapy of ahenkemic reticulosis in children [with summary in English]. I. U. E. Malakhovskii. Vop. okh. mat. i det. 7 no. 9:17-23 S '62.

PREGNANCY

Effect of pregnancy and labor on corticosteroid content in adrenal gland tissue and in the blood of rabbits [with summary in English]. V. P. Mikhedko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:237-243 '61.

Humoral relations between the bodies of the mother and the fetus in their clinical and experimental aspects. O. E. Viazov and others. Vest. AMN SSSR 17 no. 11: 23-31 '62.

Problem of the interrelationship of the mother and fetus. N. L. Garmasheva. Vest. AMN SSSR 17 no. 11:19-23 '62.

State of the blood coagulation system in pregnancy and in labor. M. A. Repina. Vop. okh. mat. i det. 7 no. 9: 60-66 S '62.

PREGNANCY—SIGNS AND DIAGNOSIS

Content of total nitrogen and reducing substances in the cervical secretion of cows [with summaries in English, German, and French]. I. I. Sokolovskaya and others. Vest. sel'khoz. nauki 7 no. 5:64-72 My '62.

PREGNANCY, COMPLICATIONS OF

Bukshpan, E. I. [Fundus oculi in normal and pathological pregnancy (toxicosis)] Glaznoe dno pri normal'noi i patologicheskoi beremennosti (toksikozy). Moskva, Medgiz, 1962. 165 p.

(DNLM) Diabetes mellitus and pregnancy [with summary in English]. L. I. Lobanovskaya and others. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:141-174 '61.

PRENATAL CARE

Problems of antenatal prophylaxis. A. F. Zelenkii. Zdravookhranenie 5 no. 3:24-29 My-Je '62.

PRESCHOOL EDUCATION see Education, Preschool

PRESS

(see also subdivision under Yemen)

Brief news. Sov. pech. no. 12:60 D '62.

The year 1963 strides in. Sov. pech. no. 1:1-2 Ja '63.

PRESSURE

Effect of pressure in avial alloy products. S. S. Goralk, I. U. M. Vnimbati, E. A. Malysheva. Metalloved. i term. obr. met. no. 12:49-50 D '62.

Metal pressure on the rolls of a three-high rolling mill of diagonal rolling. I. M. Pavlov, A. M. Musikhin, V. Ia. Osadchii. Sbor. inst. stali i splav. no. 40:335-337 '62.

PRESSURE—MEASUREMENT

Complex investigation of contact pressure and friction forces during rolling. P. I. Polukhin, V. A. Masterov, I. U. E. Fomenko. Sbor. inst. stali i splav. no. 40:166-172 '62.

Investigating specific pressure during the cold rolling of high-alloy steel. N. M. Fedosov and others. Sbor. inst. stali i splav. no. 40:107-129 '62.

PRESSURE GAUGES

Tensometric differential pressure gauge. V. S. Protopopov. Teploenergetika 10 no. 1:82-93 Ja '63.

PRESSURE REGULATORS

Automatic pressure control of the composition. P. A. Karakal, Masl.-zhir. prom. 28 no. 12:32 D '62. Characteristics of pressure regulation in marine heating deaerators. V. F. Syromiatnikov. Trudy TSNIIMF 8 no. 44:28-30 '62.

PRESTRESSED CONCRETE

Manufacture of prestressed crane beams on a stand. I. U. B. Narusov. Transp. stroi. 12 no. 12:24-27 D '62.

PRESTRESSED CONCRETE CONSTRUCTION

Construction of continuous tracks on prestressed reinforced concrete shells. F. Klimes. Zhel. dor. transp. 44 no. 12:83-88 D '62.

Prestressing of underground bearing elements. O. I. U. Antonov. Transp. stroi. 12 no. 12:44-45 D '62.

PRICES

Planning and the estimate of the labor requirements of the national economy. I. Doroshin. Plan.khoz. 40 no. 2:8-19 F '63.

PRICES—CONGRESSES

What to take into consideration in the planned determination of prices. R. Chentsov. Ekon.sci.khoz. 34 no. 1: 113-114 Ja '63.

FRIMROSES see subdivision under Pamirs

PRINTED CIRCUITS

High-resistance printed resistors in high-frequency networks. IU. P. Ermolaev. Izv. vys. ucheb. zav.; radiotekh. 5 no. 6:714-722 N-D '62.

PRINTING

(see also subdivision under White Russia)

Nurkas, M. M. [Technology of typographical printing] Tekhnologiya tipografikogo pechataniia. Izd. 2., dop. i perer. Moskva, Iskusstvo, 1962. 391 p. They don't preserve the honor of their business establishment. IA. Frakter, M. Shterngart, Sov. knizh. tovg. 14 no. 1:42-43 Ja '63.

PRINTING—DICTIONARIES

Elizarenkova, T. P. [English-Russian bookman's glossary] Anglii-russkii slovar' knigovedcheskikh terminov. Moskva, Sovetskaya Rossiya, 1962. 510 p. [MICROFILM]

PRINTING INDUSTRY

Problems in the economics of book printing. G. Guzarov. Sov. knizh. tovg. 14 no. 10:20-21 '62.

PRINTING MACHINERY AND SUPPLIES

(see also subdivision under Rybinsk)

High-speed ferrographic recording of digital data. I. E. Gordon and others. Elektrosviaz' 16 no. 12:26-32 D '62.

PRINTING PLATES

Petrokas, L. V., and P. IA. Rozenfel'd. [Equipment for the manufacture of printing plates] Oborudovanie dlia izgotovleniia pechatnykh form. Pod red. L. K. Belozerskogo. Moskva, Izd-vo "Iskusstvo," 1962. 563 p. (Konstruktivnyi i raschet poligraficheskikh mashin)

PRINTING PRESS

New presses, new technique. L. Grushko. Sov. pech. no. 12:45-46 D '62.

PRIOKSKIY—MEDICAL SOCIAL WORK

Desired. E. Karpel'tseva. Sov. Krae. krest 12 no. 4: 8 Ji-Ag '62.

PRIPET RIVER—PHYTOPLANKTON

Seasonal dynamics of the phytoplankton of the Dnieper River above Kiev and in the mouth of the Pripyet River [with summary in English]. D. O. Radzimyovskiy, V. H. Gryn'. Ukr. bot. zhur. 18 no. 5:84-93 '62.

PRIPET VALLEY—RURAL LIBRARIES

A village in the Pripyet Valley. Iuryi Poliak. Rab. i stal. 38 no. 5:18 My '62.

PRISHVIN, MIKHAIL MIKHAILOVICH, 1873-1954

Dialectic vocabulary in M. M. Prishvin's "In the land of unfrightened birds." G. Ryzhikova. Uch. zap. Kulb. gos. ped. inst. no. 3:84-93 '62.

PRISONS

Criminal offenses which disorganize the work of prisons and reformatories. V. Pichuk. Sov. iust. no. 21:9-11 N '62.

Determining the classes of corrective-labor colonies for the detention of persons sentenced to imprisonment. IU. M. Tkachovskii. Sov. gos. i pravo 33 no. 2:128-134 F '63.

PROBABILITIES

The law of large numbers and the strong law of large numbers for inhomogeneous Markov chains. M. Rozenblatt-Roi. Dokl. AN SSSR 147 no. 6:1294-1295 D '62.

Orthogonality and equivalence conditions for Gaussian measures in functional space. V. G. Alekseev. Dokl. AN SSSR 147 no. 4:751-754 D '62.

PRODUCE TRADE

(see also subdivision under Tula Province)

Documentary materials of rural cooperative societies relating to the "contract system" of produce trade, 1927-1931. Submitted by E. M. Kaplinskii, N. I. Saizkhov. Ist. arkh. 8 no. 5:83-95 S-O '62.

PRODUCTION-LINE METHODS see Assembly-line methods

PRODUCTION STANDARDS

Norm as an incentive and as hindrance. O. ka. Sov. profsoiuzy 18 no. 24:9-11 D '62.

Remizov, K. S. [Procedure for establishing work norms] Poriadok normirovaniia truda. [Moskva] Mosk. rabochii, 1962. 46 p. (Osnovy ekonomicheskikh znanii kazhdomu rabochemu)

PRODUCTION STANDARDS—BIBLIOGRAPHY see Bibliography—Production standards

PROFIT

Principles of planning the profitability of industrial branches. V. Zhukov. Plan. khoz. 39 no. 12:17-26 D '62.

PROGRAMMING (ELECTRONIC COMPUTERS)

Kolyvagin, A. A. [Automation of computing operations] Avtomatizatsiia vychislitel'nykh rabot. Moskva, Mashgiz, 1962. 502 p.

A practical method for the automatic selection of scales in solving systems of ordinary differential equations. I. F. Goncharova, A. V. Martynov. Zhur. vych. mat. i mat. fiz. 2 no. 5:821-824 S-O '62.

Representation of a function of two variables as the difference of convex functions [with summary in English]. V. A. Zalgaller. Vest. LGU 18 no. 1:44-45 '63.

Some aspects of the use of a two-dimensional two-group diffusion program. IA. V. Shevelev, V. K. Saul'ev. Atom. energ. 14 no. 2:200-205 F '63.

Some aspects of the use of electronic computers for selecting the most economical constructional parameters. I. B. Motkus, A. V. Alshauskas, P. P. Iushka. Zhur. vych. mat. i mat. fiz. 2 no. 5:948-951 S-O '62.

PROGRAMMING (MATHEMATICS)

Setting up production programs for series production on electronic calculating machines. E. Bykov. Plan. khoz. 40 no. 1:63-70 Ja '63.

PROGRAMMING LANGUAGES (ELECTRONIC COMPUTERS)

Algorithm for the identification of typewritten characters. V. K. Eliseev, V. A. Kovalevskii. Zhur. vych. mat. i mat. fiz. 2 no. 5:902-911 S-O '62.

Note on the language ALGOL-60. E. A. Zhogolev. Zhur. vych. mat. i mat. fiz. 2 no. 5:952-953 S-O '62.

Transformation of arbitrary canonic computations into canonic computations of special types. S. IU. Maslov. Dokl. AN SSSR 147 no. 4:778-782 D '62.

PROJECT METHOD IN TEACHING

Course projects on machine parts. G. F. Budinskaya. Sred. spets. obr. 10 no. 1:33-35 Ja '63.

PROKOF'EV, SERGEI SERGEEVICH, 1891-1953

"Russian national traditions in the music of S. S. Prokofiev" by T. Bogdanova; "On harmony" by IU. Khlopov. Reviewed by V. Berkov. Sov. muz. 26 no. 12:135-137 D '62.

PROPAGANDA, ANTICOMMUNIST see subdivision under Germany, West

PROPANE

Rearrangement of n-propyl-1-C¹⁴ chloride into n-propyl-3-C¹⁴ chloride. O. A. Reutov, T. N. Shatkin. Izv. AN SSSR, Otd. khim. nauk no. 1:195 '63.

PROPENE

Alkylation of α -chloroethylbenzene with propylene. IA. M. Paushkin, I. G. Mirgaleev. Neftekhimiia 2 no. 5:784-787 S-O '62.

Alkylation of toluene by propylene in the presence of AlCl₃. H₂O₂. E. P. Babin, Z. S. Borodina, V. A. Kompanets. Zhur. fiz. khim. 36 no. 12:2768-2772 D '62.

Chlorophosphorylated atactic polypropylene [with summary in English]. D. Belius, Z. Monasek, M. Lazar. Vysokom. soed. 5 no. 1:145-150 Ja '63.

Concentrated polymer solutions. Part 1: Determination of integral and differential heats of solution and dilution of polyisobutylene and polystyrene [with summary in English]. A. A. Tager, A. I. Podlenskiak. Vysokom. soed. 5 no. 1:87-93 Ja '63.

Effect of the acidity of oxide catalysts on their catalytic activity. Part 3: Dimerization of propylene. M. S. Borisova, V. A. Dzis'ko, E. M. Cherednik. Kln. i kat. 3 no. 5:734-741 S-O '62.

Formation and recombination of free radicals during γ -irradiation of polypropylene. Part 1 [with summary in English]. V. K. Malinuk and others. Vysokom. soed. 5 no. 1:71-74 Ja '63.

Grafting of polyacrylonitrile and polyvinyl acetate to polypropylene fibers. U. Zhun-zhai [Wu Jung-jui]. Z. A. Rogovin, A. A. Konkin. Khim. volok. no. 6:11-14 '62.

Mechanism underlying the oxidation of propylene on copper catalysts studied by the method of separate calorimetry. N. I. Popova, V. P. Latyshev. Dokl. AN SSSR 147 no. 6:1382-1385 D '62.

Synthesis and properties of tertiary dodecanethiol obtained from triisobutylene. M. F. Shostakovskii, E. N. Prilezhneva, L. N. Mer. Neftekhimiia 2 no. 5:735-738 S-O '62.

PROPENE—THERMODYNAMIC PROPERTIES

Concentrated polymer solutions. Part 2: Thermodynamic investigation of polyisobutylene solutions in various solvents [with summary in English]. A. A. Tager and others. Vysokom. soed. 5 no. 1:94-99 Ja '63.

PROPERTY

Developing and merging the two forms of socialist property. V. M. Obukhovskii. Dokl. TSKHA no. 50: 43-53 '59.

Kolganov, M. V. [Property; precapitalist forms] Sobstvennost', dokapitalisticheskie formatsii. Moskva, Sotsekgiz, 1962. 495 p.

PROPIONITRILE

Polarography of halogen organic compounds. Report No. 1: Monoelectronic splitting of a carbon-halogen bond and polarographic behavior of some propionitrile halides. L. G. Feoktistov, S. I. Zhdanov. Izv. AN SSSR. Otd. khim. nauk no. 12:2127-2132 D '62.

PROPORTION (ANTHROPOMETRY)

Talent of a scientist. A. Laskina. Znan. - sila 37 no. 11:30-31 N '62.

PROPORTIONING EQUIPMENT

Automatic "Dozeks" apparatus for continuous proportioning according to weight. B. G. Luchin. Masl. -zhir. prom. 28 no. 12:38-39 D '62.

Control device for proportioning cupola charges with sectional magnetic disks. V. T. Antonenko, V. I. Vrublevskii. Avtom. i prib. no. 4:3-4 O-D '62.

PROPORTIONING EQUIPMENT—TESTING

Experimental improving of the performance of electromagnetic valves. A. G. Sokolov. Khleb. i kond. prom. 6 no. 12:30-31 D '62.

PROSKURIKOV, ANDREI KONSTANTINOVICH, 1899-1962

Andrei Konstantinovich Proskuriakov; an obituary. O. N. Borsuk. Meteor. i gidrol. no. 1:58-59 Ja '63.

PROSPECTING

(see also subdivision under Kazakhstan)

"Efficient methods of prospecting for ore deposits" by V. I. Krasnikov. Reviewed by A. I. Pereiman. Vop. geog. no. 59:172-175 '62.

October Revolution and the intelligentsia of the Geological Survey (1917-1918). V. S. Shteinbuk. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 10:3-15 O '62.

Principles of applying the theory of probabilities for processing prospecting data. L. I. Chetverikov. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 9:73-83 S '62.

Significance of theoretical investigations and their programs in increasing the effectiveness of prospecting for oil and gas. M. F. Dvali. Trudy VNIIGRI no. 190:7-25 '62.

PROSPECTING—GEOPHYSICAL METHODS

(see also subdivision under Georgia)

Estimating the effectiveness of geophysical methods in the determination of reservoir properties of rocks. V. L. Komarov. Izv. vys. ucheb. zav.; nef. i gaz 5 no. 4:19-23 '62.

[Mining geophysics] Prom. geofiz. no. 4 '62. [Articles translated from foreign-language periodicals]

PROSPECTING—SAFETY MEASURES

Groshin, S. I. [Suggestions for safety measures in prospecting for minerals] Sovety o merakh bezopasnosti pri potsekhakh poleznykh iskopaemykh. 3. Izd. Moskva, Gosgeoltekhizdat, 1962. 39 p. (Biblioteka izdatelstva poleznykh iskopaemykh)

PROSTHESIS

(see also subdivision under Volgograd)

Contrary to logic. V. Kuznetsov. Sots. obsep. 24 no. 1: 48-49 Ja '63.

Kopylov, F. A., and M. S. Pevzner. [Medical principles for prosthesis] Meditsinskie osnovy protezirovaniia. Leningrad, Medgiz, 1962. 198 p. (Biblioteka prakticheskogo vracha) (DNLM)

Prosthesis for patients with aftereffects of a spine injury. V. Sanin. Sots. obsep. 24 no. 1:44-47 Ja '63.

Testing the prosthesis. G. Roachin. Sots. obsep. 23 no. 0:54 S '62.

PROSTHESIS—COMPETITIONS

Competition for the best prosthetic and orthopedic article. Sots. obsep. 24 no. 1:50-51 Ja '63.

PROTASOV, ALEKSEI PROTASOVICH, 1724-1796

Lukina, T. A. [A. P. Protasov, Russian academician of the eighteenth century] A. P. Protasov - russkii akademik XVIII veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 186 p.

PROTAZANOV, IAKOV ALEKSANDROVICH, 1881-1945

IAkov Protazanov and Soviet motion pictures of the 1920's. N. Zorkina. Vop. kinolok. no. 6:165-190 '62.

PROTECTIVE ATMOSPHERES

Optima parameters of the arc welding circuit for welding in an atmosphere of carbon dioxide with periodic short-circuiting of the arc. IU. M. Kashurnikov, M. Sh. Dobrushin. Svar. protizv. no. 7:5-8 Ji '62.

PROTECTIVE CLOTHING see Clothing, Protective

PROTECTIVE COATINGS

Effect of certain technological factors on the thickness of a polyamide layer. D. T. Avdeev and others. Plast. massy no. 11:88-89 '62.

Effect of zinc coating on the quality of joints made by arc welding. A. Brodskii, V. Ignat'ev. Zhil. stroit. no. 10:22-24 '62.

PROTECTIVE COATINGS (Continued)

Improving the methods of the preparation of metal surfaces for painting. Z.B. Vetukhnovskii, G.N. Darazhio, V.I. Ushakova. Lakokras, mat, i ikh prim. no. 6:44-49 '62.

Local protection of 38KhMFA steel against nitriding by the chemical nickel coating method. G. P. Podan. Metalloved, i term. obr. met. no. 12:36 D '62.

New type of coatings based on phenol-alkyd resins. M. I. Kariakina, S. V. Iakubovich, A. A. Blagonravova. Lakokras, mat, i ikh prim. no. 5:25-27 '62.

Structure of the protective adsorption films of synthetic latexes stabilized by sodium oleate [with summary in English]. E. M. Aleksandrova, L. A. Shiba. Koll. zhur. 24 no. 6:641-642 N-D '62.

Studying the protective effect of oil paints modified with chromic acid guanidine. I. N. Rozenfeld and others. Lakokras, mat, i ikh prim. no. 5:11-15 '62.

Sulfide coating as a method for increasing the seizure-resisting properties and wear resistance of machine parts. F. I. Solov'ev. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:367-373 '62.

Use of paint materials for anticorrosive protection of metals. M. M. Gol'dberg. Lakokras, mat, i ikh prim. no. 6:82-88 '62.

Using the electrophoresis method for determining the washing away of epoxy resin hardeners from the protective coatings of wine vessels. V. A. Shmeleva, A. V. Zubov, M. S. Shchelkunova. Lakokras, mat, i ikh prim. no. 5:50-52 '62.

Waterproofing underground structures with synthetic materials. I. A. Borisenkov, L. N. Belinev. Transp. stroit. 12 no. 12:22-24 D '62.

PROTECTIVE COATINGS—COSTS

Methods of analysing the economic efficiency of the new types of paint materials. V. N. Sannikov. Lakokras, mat, i ikh prim. no. 6:75-80 '62.

PROTECTIVE COATINGS—DRYING

Experience in the use of gas burner infrared dryers for drying paint coatings. A. M. Levin, G. M. Oksuta, M. A. Khaikina. Lakokras, mat, i ikh prim. no. 6:71-72 '62.

PROTECTIVE COATINGS—TESTING

Changes occurring in the mechanical properties of the films of epoxy and polyester coatings during their hardening. A. T. Lomakin, A. T. Sanzharovskii. Lakokras, mat, i ikh prim. no. 6:23-27 '62.

Studying the effect of hardeners on the characteristics of epoxy resin base coatings. N. A. Suvorovskaya and others. Lakokras, mat, i ikh prim. no. 5:4-10 '62.

Studying the physicochemical properties of polyurethane coatings. D. S. Iakubovich and others. Lakokras, mat, i ikh prim. no. 6:32-37 '62.

Using the optical and console methods for investigating the inner stresses of polymer coatings. A. T. Sanzharovskii, N. L. Maslennikova, S. V. Iakubovich. Lakokras, mat, i ikh prim. no. 5:30-37 '62.

Water and corrosion resistance of fluoroplast coatings. A. I. Sherenzon, W. E. Lobanov. Lakokras, mat, i ikh prim. no. 6:37-39 '62.

PROTEIN HYDROLYSATES

Some possibilities of the further hydrolysis of some peptolysis products in the preparation of muscle protein hydrolysates [in Latvian with summaries in English and German]. I. Kienkas. Izv. AN Latv. SSR no. 4: 125-132 '61.

PROTEIN METABOLISM

Nucleotide code and the control of protein synthesis in a cell. I. B. Zbarskii. Usp. sovr. biol. 54 no. 3: 265-284 N-D '62.

Role of chloroplast lipoproteins in protein synthesis. N. M. Sisakian, E. N. Bezinger, A. S. Marchukaitis. Dokl. AN SSSR 147 no. 6:1493-1494 D '62.

PROTEINS

Changes of the nitrogenous fractions of milk at various levels of protein nutrition of cows. I. P. Morozov, A. P. Sazonov, L. A. Frolov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:311-312 '62.

Determination of protein in corn seeds by the biuret method [with summaries in English, German, and French]. N. F. Pokrovskaya. Vest. sel'khoz. nauki 7 no. 5:147-149 My '62.

Digestion and metabolism of young swine in qualitatively different protein nutrition. E. N. Bakeeva. Nauch. trudy Polt. nauch. -issl. inst. svin. 22:18-35 '62.

Effect of azotobacterin on the yield and protein content of winter wheat. N. S. Stepanov. Zemledelie 24 no. 11: 60-62 N '62.

Effect of mineral fertilizers on the protein content of winter wheat [with summaries in English, German, and French]. I. V. Mosolov, N. N. Mikhailov, V. A. Aleksandrovskaia. Vest. sel'khoz. nauki 7 no. 10:31-33 O '62.

Effect of the level of protein nutrition of cows on the protein content of milk. S. A. Evstaf'ev and others. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:315-318 '62.

Efficient combining of protein feeds in rations with a prevalence of corn in raising and fattening young swine. I. L. Borts. Nauch. trudy Polt. nauch. -issl. inst. svin. 22:3-17 '62.

Evolution of protein complexes in seeds and the evolution of flowering plants [with summary in English]. A. V. Blagoveshchenskii. Izv. AN SSSR. Ser. biol. no. 6:845-856 N-D '62.

Intensification and automation of protein production. M. Grober, A. Kogan. Mias, ind. SSSR 33 no. 6:14-18 '62.

Protein content of cow's milk as related to the season. I. U. N. Morozov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:319-321 '62.

Transformation of micro-organisms under the effect of protein fractions without the participation of deoxyribonucleic acid. V. N. Polshkova, P. P. Sakharov. Agrobiologia no. 6:804-813 N-D '62.

PROTEINS IN THE BODY

Desamidation of brain proteins and changes in their macrostructure due to insulin treatment. I. A. Tiakhepyld. Dokl. AN SSSR 147 no. 4:964-966 D '62.

Electrophoretic investigation of proteins of the blood serum and liver of cattle in vermifuge treatment with hexachloroethane and in fascioliasis. B. F. Sukhomil'nov. Nauch. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:90-93 '61.

PROTHROMBIN

Effect of hexonium on blood coagulation and the prothrombin time in rabbits [with summary in English]. N. B. Poshkus. Trudy Ukr. nauch. -issl. inst. ekasper. endok. 18:360-374 '61.

PROTONS

Dynamic polarization of protons in lanthanum magnesium nitrate. V. I. Lushchikov, A. A. Manenkov, I. V. Taran. Fiz. tver. tela 5 no. 1:233-236 Ja '63.

Longitudinally polarized proton beam generated by a six-meter synchrocyclotron. M. G. Moshcheriakov and others. Atom. energ. 14 no. 1:38-40 Ja '63.

On delayed protons. N. A. Vlasov. Atom. energ. 14 no. 1:45-47 Ja '63.

PROTONS—SCATTERING

Elastic proton scattering by Si³⁰ nuclei. A. K. Val'ter, A. I. Popov, V. E. Storizhko. Zhur. eksp. i teor. fiz. 43 no. 6:2038-2041 D '62.

Elastic scattering of 6.9 Mev. protons by chromium and zinc isotopes. A. K. Val'ter and others. Dokl. AN SSSR 147 no. 6:1325-1327 D '62.

Isotope effect in elastic proton-nucleus scattering. A. K. Val'ter, A. P. Khucharov. Atom. energ. 14 no. 1:48-50 Ja '63.

Properties of the lower excited states of F¹⁹ and Al²⁷ nuclei determined from data on inelastic proton scattering. S. S. Vasil'ov, E. A. Romanovskii, G. F. Timushev. Izv. AN SSSR. Ser. fiz. 16 no. 12:1506-1517 D '62.

PROTOZOA

Aru, L. H. [General biology; protozoans, sponges, coelenterates] Obshchaya biologiya; protistshe, gubki, kishchnopolostnye. Tartu, Tartuskii gos. univ., 1961. 30 p.

Polianskii, I. I. [The complex within the simple; on the complexity of the organization of the simplest organisms] Slozhnoe v prostom; o vysshe organizatsii protistshek. Leningrad, Ob-vo po rasprostraneniya polit. i nauchn. znaniy RSFSR, 1962. 45 p.

PROVERBS, UKRAINIAN

Sen'ko, Iryhorii. [Genuine Ukrainian folklore under the Soviets; popular sayings and chastushki] Pravydyi ukrains'kyi tol'ki'or pid sovits'my; narodni prypovidky-chastivky. [Winnipeg, Novyi shliakh] 1947. 32 p. (Deshova biblioteka Novoho shliakhu, no. 1) (U).

PRUNE—DISEASES AND PESTS

Inaufficiency of mineral nutrition as the cause of a functional disease of prune trees. G. M. Semeniuk. Vop. fiziol. i biokhim. kul't. rast. no. 1:97-104 '62.

PRUNING

Activation of life processes by pruning plant roots. N. I. Bondarenko. Vest. sel'khoz. nauki 7 no. 10:42-44 O '62.

Effect of pruning on the setting and shedding of fruit in apple trees. K. D. Tretiak. Vistnyk sil'kosp. nauky 5 no. 12:86-89 D '62.

Effect of severe pruning on the qualitative indices of one-year-old shoots of apricot [in Armenian with summary in Russian]. S. M. Minasian, D. M. Bekirski, Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10: 67-72 '62.

Pruning stems without a countercutting part [with summaries in English, German, and French]. B. G. Raev. Vest. sel'khoz. nauki 7 no. 11:98-104 N '62.

PRUSSIC ACID see Hydrocyanic acid

PRUZHANY DISTRICT—CORN (MAIZE)—DISEASES AND PESTS

Effectiveness of preparations in controlling the corn smut Ustilago zeae. M. G. Solodovnik. Zashch. rast. ot vred. i bol. 5 no. 6:25-26 Je '60.

PRUZHANY DISTRICT—SMUTS

Effectiveness of preparations in controlling the corn smut Ustilago zeae. M. G. Solodovnik. Zashch. rast. ot vred. i bol. 5 no. 6:25-26 Je '60.

PSEUDOMONAS

Bacterial knot of cleander caused by Pseudomonas savastanoi v. nerii Smith. K. D. Krushvili. Zashch. rast. ot vred. i bol. 5 no. 10:44-45 O '60.

PSKOV—INSURANCE, SOCIAL—EMPLOYEES

We have a Communist Youth League wedding. . . P. Semidetova. Sots. obsep. 23 no. 11:31 N '62.

PSKOV—LIBRARIES, CHILDREN'S

Jointly with the school. R. Korol'kova. Bibliotekar' no. 1:40-41 Ja '63.

PSKOV PROVINCE—DISABILITY EVALUATION

After the publication in our periodical. I. Markenzon. Sots. obsep. 23 no. 11:40 N '62.

PSKOV PROVINCE—INSURANCE, SOCIAL

From the Collegium of the Ministry. Sots. obsep. 24 no. 1:54-56 Ja '63.

PSKOV PROVINCE—NAMES, GEOGRAPHICAL

Study of toponymy in connection with ethnographic data. N. V. Podolskaya. Mat. i issl. po rus. dial. no. 2:156-179 '62.

PSORIASIS

Thermoregulation and perspiration reflexes in patients with psoriasis before and after treatment at the Kemerl health resort. P. Jakobsens. Izv. AN Latv. SSR no. 10: 107-111 '62.

PSYCHOACOUSTICS

Running recognition of human speech (to be continued). L. A. Chistovich. Mash. perev. i prikl. ling. no. 6:30-79 '61.

PSYCHOLOGICAL RESEARCH

Experimental method of the mechanical suppression of specific speech movements in persons with normal and defective speech [with summary in English]. E. Weigl. Vop. psikhol. 8 no. 4:138-142 Ji-Ag '62.

PSYCHOLOGY

"Entertaining psychology" by K. K. Platonov. Reviewed by R. Kolodrivov. Znan. -gila 37 no. 10:47 O '62. Mansurov, N. S. [A critical study of present-day bourgeois psychology] Sovremennaya burzhuaznaya psikhologiya; kriticheski ocherk. Moskva, Sotsizgiz, 1962. 284 p.

Some results of the All-Union Conference on Philosophical Problems in the Physiology of Higher Nervous Activity and Psychology. Vop. filos. 17 no. 1:126-128 '63.

PSYCHOLOGY—CONGRESSES

All-Union Congress on the Philosophical Problems Concerning the Physiology of the Higher Nervous Activity and Psychology. A. M. Matishkin, P. A. Sokhin. Vop. psikhol. 8 no. 4:172-182 Ji-Ag '62. Conference of the Ural Branch of the Psychological Society. G. V. Bystryova, N. S. Utkina. Vop. psikhol. 8 no. 4:190 Ji-Ag '62.

Psychological research in the Urals. I. M. Gol'dberg. Nauka i zhizn' 29 no. 11:104 N '62.

Resolution of the All-Union Congress on the Philosophical Problems of the Physiology of the Higher Nervous Activity and Psychology. Vop. psikhol. 8 no. 4:3-8 Ji-Ag '62.

PSYCHOLOGY—STUDY AND TEACHING

Practical exercises in psychology. M. I. Kruglak. Vop. psikhol. 8 no. 4:143-148 Ji-Ag '62.

Teacher's psychological vigilance [with summary in English]. A. Plekhanov. Vop. psikhol. 8 no. 4:83-88 Ji-Ag '62.

PSYCHOLOGY, APPLIED

Practical exercises in psychology. K. K. Platonov. Nauka i zhizn' 29 no. 11:106-107 N '62.

PSYCHOLOGY, COMPARATIVE

Significance of Charles Darwin's works for comparative psychology. N. N. Ladygina-Kotz. Vop. psikhol. 8 no. 4:125-132 Ji-Ag '62.

PSYCHOLOGY, PHYSIOLOGICAL

Basic philosophical problems of the evolutionary physiology of higher nervous activity. D. A. Birlukov. Vop. psikhol. 8 no. 4:36-57 Ji-Ag '62.

"Cybernetics in the service of communism" Reviewed by V. N. Pushkin, D. N. Zavalishina. Vop. psikhol. 8 no. 4:156-160 Ji-Ag '62.

Effect of a dial size on the readability of pointer-type control and measurement devices. A. A. Krylov. Dokl. APN no. 1:89-92 '62.

Effect of the number of discriminative cues on selection time with single presentation of objects. L. B. Filonov. Dokl. APN no. 2:95-98 '62.

Possible use of some properties of the skin-galvanic reflex in threshold determination. M. B. Mikhailovskaya. Dokl. APN no. 1:109-112 '62.

PSYCHOLOGY, PHYSIOLOGICAL (Continued)

Psychology of engineering and industrial safety. Jaro Krivohlav. Vop. psikh. 8 no. 4:89-98 J1-Ag '62.
Studying information processing by man in a choice situation. Report No. 2. Dependence of choice reaction time on the amount of specific information in a section of 0-4 binary digits. E. P. Krinchik. Dokl. APN no. 2:65-70 '62.
Use of a reflex control mechanism in work training. I. N. Iarovoi. Dokl. APN no. 2:16-18 '62.

PSYCHOLOGY, PHYSIOLOGICAL—CONGRESSES

Conference on the higher nervous activity. I. Goskovets, I. Diamant, I. Geodakim. Vop. psikh. 8 no. 4:185-189 J1-Ag '62.

PSYCHOLOGY, RELIGIOUS

Michael, Abp. of Toronto and Eastern Canada. [The spiral world, the human soul, and parapsychology] Dukhovnyi svit, dusha ljudyni i parapsykhologiya. Vyd. I. Toronto, 1961. 153 p.

PSYCHONEUROSES see Neuroses

PSYCHOTHERAPY

Aslakhov, S. N. [Therapeutic effect of the word] Lechebnoe delistvie slova. Leningrad, Medgiz, 1962. 94 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

PUBLIC BUILDINGS

(see also subdivision under Moscow; Ukraine)
Integrated series of large-panel apartment houses and buildings for cultural and service purposes. V. Grumants and others. Zhil. stroit. no. 10:8-12 '62.
Plans for cooperative public buildings are required. R. Malen'kov. Sel. stroit. 16 no. 1:10-12 Ja '62.

PUBLIC BUILDINGS—STANDARDS

Pozhariskii, A. E. [Principal problems of the standardization of public buildings and structures] Osnovnye voprosy tipizatsii obshchestvennykh zdani i sooruzhenii; stenogramma lektsii. Moskva, Akad. stroit. i arkh. SSSR, 1961. 63 p.

PUBLIC HEALTH

(see also subdivision under Communist Countries; Hungary; Omsk Province; Rustavi; Volzhskiy, Volgograd Province)
Agayev, E. R. [University of health] Universitet zdorov'ia. Moskva, Medgiz, 1962. 35 p. (Nauchno-popul'naya meditsinskaya literatura)
Improvement of hospital facilities for the population is one of the most important tasks of the public health agencies. N. I. Matveev. Zdrav. Ros. Feder. 6 no. 12: 3-9 D '62.

PUBLIC HEALTH—ACCOUNTING

Improve accounting and control in the public health system. V. Orekhov. Bukh. uch. 19 no. 12:36-39 D '62.
Seminar-conference of chief accountants of public health organs on the exchange of progressive practice. Bukh. uch. 10 no. 12:72-74 D '62.

PUBLIC HEALTH—BIBLIOGRAPHY see Bibliography—Public health

PUBLIC HEALTH—INTERNATIONAL COOPERATION

Guests from Suomi. A. Krushinskii. Sov. Kras. krest 12 no. 4:19 J1-Ag '62.

PUBLIC HEALTH—PERIODICALS

Organizers, advisers and friends. Zdorov'ie 0 no. 12:1 D '62.
Work of the journal "Zdravookhranenie Rossiiskoi Federatsii" for 1963. Zdrav. Ros. Feder. 0 no. 12:41-42 D '62.

PUBLIC HEALTH, RURAL

(see also subdivision under Frunze; Liziynovka; Solikamovskiy; Tula Province)
Brief notes on various things. N. Gil'debrant and others. Sov. Kras. krest 12 no. 4:13-14 J1-Ag '62.
Era of great deeds. A. G. Safonov. Sov. Kras. krest 12 no. 4:1-3 J1-Ag '62.
A higher level of organization for rural public health. N. O. Sen'kov, A. I. Kuzeniatkina. Zdrav. Kazakh. 22 no. 7:3-7 '62.

PUBLIC HEALTH ADMINISTRATION see subdivision under Ashkhabad; Blagoveshchensk; Germany, East

PUBLIC HEALTH LAWS

Russia (1923- U. S. S. R.) Ministerstvo zdavookhraneniia. [Instructional and methodical manual on disinfection] Shornik instruktsivno-metodicheskikh materialov po dezinfektsionnomu delu. Moskva, Medgiz, 1962. 430 p.

PUBLIC HEALTH LAWS, INTERNATIONAL

Legal forms of the cooperation of socialist countries in the protection of public health. V. S. Mikhailov. Sov. gos. i pravo 33 no. 1:118-123 Ja '63.

PUBLIC HEALTH RESEARCH

Litvinova, N. N., V. N. Riabova, and N. I. Khlebnikova, eds. [Hygiene of irrigated agricultural fields; experimental hygienic research] Gigiena zemledel'cheskikh polei orosheniia; eksperimental'nye gigienicheskie issledovaniia. Moskva, Medgiz, 1962. 299 p. (DNLM)
Minkh, A. A. [Methods for hygiene research] Metody gigienicheskikh issledovanii. 2., 1 spr. i dop. izd. Moskva, Medgiz, 1961. 482 p. (DNLM)

PUBLIC PROSECUTORS

(see also subdivision under Azerbaijan; Moscow; Omsk Province; Orenburg Province; Perm Province)

Follow-up of unpublished letters to the editor. Sots. zakon. 40 no. 1:96 Ja '63.
How the public prosecutors of the U. S. S. R. supervise the observance of laws. Sots. zakon. 39 no. 12:66-67 D '62.
How the public prosecutors of the U. S. S. R. supervise the observance of laws. Sots. zakon. 40 no. 1:79-84 Ja '63.
How to control the legality of regulations enacted by the executive committees of local soviets. A. Sazhin. Sots. zakon. 39 no. 12:18-20 D '62.
Isn't it time to change procedure in lodging protests against executed judicial decisions and sentences? A. Khvostov. Sots. zakon. 40 no. 1:20 Ja '63.
We should strictly control the collection of payments for the support of children. B. Belolipetskii. Sots. zakon. 39 no. 12:23-27 D '62.

PUBLIC SERVICE

Mass public-service organizations in the Soviet state. TS. Iampol'skaia. Kommunist 39 no. 3:87-75 F '63.

PUBLIC SPEAKING

Adanov, E. A. [The mastery of a propagandist's speech] o masterskii rechi propagandista. [Moskva] Mosk. rabochii, 1962. 68 p.

PUBLISHERS AND PUBLISHING

(see also subdivision under Ukraine)
Follow-up of articles published in our periodical. Kommunist 39 no. 3:127 F '63.
Forty years in the service of youth. M. Danilova. Komm. zhizn' no. 19:16-18 O '62.
Main thing is the contemporary theme; plan of the Military Publishing House for 1963. S. Borzunov. Sov. voen. 46 no. 1:36 Ja '63.
Military books in 1963. A. Aristov. Komm. Vooruzh. Sil 3 no. 1:88-92 Ja '63.
Why our scientific publications do not satisfy their readers. E. Likhtenshtein. Kommunist 39 no. 3: 122-124 F '63.

PUBLISHERS' CATALOGS see Catalogs, Publishers'

PUCHEZH DISTRICT—LARCENY

This voluntary policeman is always on duty. A. Zharkin. Sots. zakon. 40 no. 1:76 Ja '63.

PUERTO RICO—POLITICS AND GOVERNMENT

Puerto Rico, a colony of the United States. Mol. mira no. 11/12:16-17 '61.

PUERTO RICO—YOUTH

Puerto Rico, a colony of the United States. Mol. mira no. 11/12:16-17 '61.

PUGACHEV REBELLION

How we found the materials missing from "G. Miller's briefcase with documentary materials concerning the Pugachev Rebellion." R. V. Ovchinnikov. Ist. arkh. 8 no. 5:216-219 S-O '62.
New source materials on the history of the peasant war led by E. I. Pugachev, V. Spirko, A. Kulikova. Vop. ist. 38 no. 1:199-192 Ja '63.

PUKHOVICH DISTRICT—PEAS

Resistance of "stubborn" peas has been broken. I. Smirnova. Rab. i stal. 38 no. 12:5-6 D '62.

PUKIREV, VASILII VLADIMIROVICH, 1832-1890

Marriages are made in heaven. A. Varshevskii. Znan. i sila 37 no. 11:44-45 N '62.

PULLEYS

Ginzburg-Shik, L. D. [Manual for riggers] Pamiatka takelazhniku. Moskva, Gosenergizdat, 1961. 86 p.

PULSE

Effect of the state of the tissues surrounding an artery on the rate of pulse wave spreading. V. Valtneris. Izv. AN Latv. SSR no. 8:101-108 '62.

PULSE CIRCUITS

An annular pulse frequency divider. IU. A. Kosarov. Sbor. rab. po vop. elektromekhi. no. 7:305-309 '62.
Increase in the reliability of shift registers. I. G. Ivanova. Sbor. rab. po vop. elektromekhi. no. 7:309-313 '62.
Transistor trigger network with three steady states of equilibrium. E. A. Mel'nikov, A. F. Sardutovich. Izv. vyz. ucheb. zav.; radiotekh. 5 no. 6:738-739 N-D '62.

PULSE TECHNIQUES (ELECTRONICS)

Concerning the frequency stability of a transistor square wave generator. L. A. Smitskii, V. A. Shkol'nyi. Radiotekh. i elektron. 8 no. 1:84-89 Ja '63.
Generator of complex-shape pulses. A. I. Petrenko, V. G. Abakumov, A. A. Budniak. Avtom. i prib. no. 4: 41-43 O-D '62.
Increase in the reliability of shift registers. I. G. Ivanova. Sbor. rab. po vop. elektromekhi. no. 7:309-313 '62.

PULVERIZED COAL see Coal, Pulverized

PUMICE see subdivision under Iturup Island; Kunashir Island

PUMPING MACHINERY

Automation of PE-series feed pumps. I. P. Lishchinskii. Elek. sta. 33 no. 10:19-22 O '62.
Concerning the design of the PS-4B pumps. Z. I. Meer-son. Energetik 11 no. 1:4-5 Ja '63.
Correct way to operate a MP-800 motor pump. N. Kopaev. Pozh. delo 8 no. 12:23 D '62.
The GN-1200-400 hydraulic pump. A. A. Eliseev. Elek. sta. 33 no. 10:83-85 O '62.
Petrina, N. P. [Marine pumps] Sudovye nasosy. Pod red. V. P. Gur'eva. Leningrad, Sudpromgiz, 1962. 375 p.
Selection of cargo pumps for tankers. P. K. Biskup. Sudostroenie 20 no. 10:13-17 O '62.
Towerless pneumatic pump installation. K. Piven'. Stroi. i arkh. 10 no. 1:34-35 Ja '62.
Use of the exhaust steam of a turbo-feed pump in the heat network of a thermal electric power plant. G. A. Khromov. Energetik 11 no. 1:6-7 Ja '63.

PUMPING STATIONS

Rural water-supply pumping stations. I. Sharmanovskii. Sel. stroit. no. 12:14 D '62.

PUNCHED CARD SYSTEMS—FOREST MANAGEMENT

Compiling consolidated forest management tables on punched-card computers. A. G. Moshkalev, L. N. Spitsyn, A. K. Lamov. Les. khoz. 15 no. 11:20-25 N '62.

PUNCHING MACHINERY

"Latvia-Ukraine-I." Nauka i zhyt'ia 12 no. 7:20 J1 '62.

PUNISHMENT

Decisions of the plenary session of the Supreme Court of the U. S. S. R. Sov. iust. no. 1:28-30 Ja '63.
Special aspects of the sanctions of socialist law and the ways of their transformation. O. E. Lelst. Sov. gos. i pravo 33 no. 1:44-54 Ja '63.

PURKYNE, JAN EVANGELISTA, 1787-1869

Great naturalists. IUn. nat. no. 12:21 D '62.

PURPURA (PATHOLOGY)

Some biochemical indices in hemorrhagic vasculitis in children [with summary in English]. V. P. Voitenko. Vop. okh. mat. i det. 7 no. 9:35-40 S '62.

PURPUREGALLIN

Purpuregallin as a reagent for the spectrometric determination of zirconium [with summary in English]. I. P. Alimarin, I. V. Puzdronkova, S. I. A. Dol'nikova. Zhur. anal. khim. 17 no. 6:700-703 S '62.

PUSHKIN, ALEKSANDR SERGEEVICH, 1790-1837

Akademiia nauk SSSR. Institut russkoi literatury. [Pushkin; studies and materials] Pushkin; issledovaniia i materialy. Moskva, Izd-vo Akad. nauk SSSR. Vol. 4. 1962. 443 p.

Niemchenko, I. I. A. S. Pushkin in Ekaterinoslav; a historical and regional sketch] O. S. Pushkin v Katerynoslav; istoriko-kraevykh narys. [Dnepropetrovsk] Dnepropetrovsk'e knyzhkovye vyd-vo, 1959. 51 p.

PUSHKIN (LENINGRAD PROVINCE)—OLD-AGE HOMES

Everything for man. Grichanin, Trifonova. Sots. ches. 23 no. 11:13-15 N '62.

PYATIGORSK—ENGINES—MAINTENANCE AND REPAIR

Analyzing the cost of repairing the KDM-46 engine at the motor repairing shop of the Pyatigorsk Repair Plant. I. P. Bushukin. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:383-387 '62.

PYATIGORSK—MACHINERY—MAINTENANCE AND REPAIR

Analysis of technological and economic indices of the Pyatigorsk Repair Plant. B. M. Lysink. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:375-381 '62.

PYRAZOLE

Interaction of 1,3,5-N, N-pentaalkyl-4-aminopyrazoles with alkylating agents. N. I. Kudriashova and others. Zhur. ob. khim. 33 no. 1:173-179 '63.

PYRAZOLINE

Reactions of hydrazine derivatives. Part 35: New type of pyrazoline rearrangement with ring opening. I. I. Grandberg, G. A. Golubeva. Zhur. ob. khim. 33 no. 1: 244-247 '63.

- PYRAZOLINE (Continued)**
Reactions of hydrazine derivatives. Part 36: Hydrogenation of 1-acylpyrazolines and preparation of pyrazolines. A. N. Kost, G. A. Golubeva, Zhur.ob.khim. 33 no. 1:248-252 '63.
- PYRAZOLINONE**
Reaction of aromatic aldehydes with derivatives of pyrazolone. Synthesis of 4-salicylidene-1-phenyl-3-methyl-5-pyrazolone and its reaction with titanium salt solutions. R. G. Bessie, E. M. Belles, Zhur.ob.khim. 33 no. 1:190-192 '63.
- PYRIDINE**
Kinetics of the reaction of m-chloroaniline with benzoyl chloride in mixtures of benzene with pyridine. L. M. Litvinenko, E. S. Rudakov, A. I. Kirichenko, Kln. i kat. 3 no. 5:651-660 S-O '62.
Polarographic catalytic hydrogen waves induced by organic catalysts. Part 3: Experimental study of the effect of the preceding reaction on the space catalytic waves [with summary in English]. S. G. Mairanovskii, J. Koutecky, V. Hanus, Zhur.fiz.khim. 36 no. 12:2621-2627 D '62.
Syntheses in the pyridine series. Part 2: Alkylation of 2- and 4-mercaptopyridines with haloalkylnitriles. I. Kh. Feldman, A. V. Voropaeva, Zhur.ob.khim. 33 no. 1:269-273 '63.
Synthesis of 2,4,6-trialkyl-3-hydroxypyridines. L. D. Smirnov and others. Izv. AN SSSR. Otd. khim. nauk no. 12:2246-2247 D '62.
- PYRIDINE BASES**
Condensation of 6-quinolyl aldehyde with pyridine and quinoline bases. B. P. Lugovkin, Zhur.ob.khim. 33 no. 1:71-74 '63.
Distillation of heavy pyridine bases. V. E. Privaltov, B. E. Kogan, V. N. Novikov. Koks i khim. no. 12:46-48 '62.
- PYRIMIDINES**
Possibility of converting acyclic amino acids to pyrimidine derivatives. I. U. P. Shvachkin, M. T. Azarova. Vest. Mosk. un. Ser. 2: Khim. 16 [i.e. 17] no. 6:71-72 N-D '62.
Potential antimetabolites. Part 3: Synthesis of aminopyrimidines based on nucleophilic substitution reactions. I. U. P. Shvachkin, M. K. Berestenko, V. Kh. Lapuk, Zhur.ob.khim. 32 no. 12:3693-3697 D '62.
Pyrimidine distribution in deoxyribonucleic acids. B. F. Vantushin, L. V. Masharina, A. N. Belozerskii. Dokl. AN SSSR 147 no. 4:956-961 D '62.
- PYRITES** see subdivision under Zyuzelevskiy
- PYROCHLORE**
Varieties of pyrochlore and betafite in pegmatites. A. P. Kalita, A. V. Bykova, M. V. Kukharich, Trudy IMGRE no. 6:201-211 '62.
- PYROLYSIS**
Effect of the fractional composition of gasolines on their pyrolysis products. T. N. Mukhina, S. E. Iusek. Neftekhimika 2 no. 5:723-729 S-O '62.
Preparation of heat-resistant polymer materials by pyrolysis methods. Foam, graphites, V. A. Popov and others. Plast. massy no. 12:18-21 '63.
Pyrolysis of gasoline vapors to acetylene and olefins in water vapor plasma. D. T. Il'in, E. N. Eremin, Vest. Mosk. un. Ser. 2: Khim. 16 [i.e. 17] no. 6:41-42 N-D '62.
- PYROMETERS--TESTING**
Methods for testing the effect of the brightness level of a radiation source on the readings of color pyrometers. E. A. Lapina. Trudy Inst. Kom. stand. mer i izm. prib. no. 5:221-223 '61.
- PYROSULFURIC ACID**
Physicochemical analysis of the system pyrosulfuric acid - acetic acid. I. U. A. Fialkov, V. S. Zhikharev, Zhur.ob.khim. 33 no. 1:3-8 '63.
Physicochemical analysis of the system Pyrosulfuric acid - monochloroacetic acid. I. U. A. Fialkov, V. S. Zhikharev, Zhur.ob.khim. 33 no. 1:9-15 '63.
- PYZHOLTYENY--MEDICINE, RURAL**
Medical services for children in a rural medical center in Pyzholtyn, Kalarash District. B. V. Kharibava, Zdravookhranenie 5 no. 3:50-52 My-Je '62.
- PYSHMA VALLEY--PASTURES AND MEADOWS**
Utilization of forest flora of the Pyshma pine forests in the trans-Ural region for pastures. R. S. Zubareva. Trudy Inst. biol. UFAN SSSR. no. 28:57-60 '62.
- Q FEVER**
(see also subdivision under Leningrad; Leningrad Province; Luga District, Leningrad Province)
Data on the serum diagnosis of Q fever. L. D. Vasil'eva, Trudy Len. inst. epid. i mikrobiol. 20:28-42 '59.
Isolation of Rickettsia burneti from the blood of Q fever patients. L. D. Vasil'eva, Trudy Len. inst. epid. i mikrobiol. 20:43-57 '59.
- Q FEVER--PREVENTIVE INOCULATION**
Vaccination against Q fever. L. D. Vasil'eva, Trudy Len. inst. epid. i mikrobiol. 20:62-70 '59.
- QUADRATIC FORMS** see Formas, Quadratic
- QUALITY CONTROL**
(see also subdivision under Kazakhstan; Leningrad Province)
For the honor of the plant trademark. Quality of production and methods for its improvement. P. Morozov. Polit. samobor. 6 no. 11:94-99 N '62.
- QUANTUM ELECTRODYNAMICS**
Regularized theory of the system of fields. E. M. Lipmanov, Uch. zap. Volg. gos. ped. inst. no. 11:3-18 '59.
- QUANTUM ELECTRONICS**
Mechanism underlying paramagnetic spin-lattice relaxation in ionic crystals at low temperatures. S. A. Al'tshuler, Zhur. eksp. i teor. fiz. 43 no. 6:2316-2319 D '62.
- QUANTUM FIELD THEORY**
A model of scalar field theory in quantized space-time. V. G. Kadyshchevskii, Dokl. AN SSSR 147 no. 6:1336-1339 D '62.
Regularized theory of the system of fields. E. M. Lipmanov, Uch. zap. Volg. gos. ped. inst. no. 11:3-18 '59.
- QUANTUM THEORY**
Aslatshekov, P. T. [Atomic radio engineering] Atomnaya radiotekhnika, Moskva, Gosatomizdat, 1962. 88 p.
Calculation of the $2p \rightarrow 1s$ transition energy in μ -mesic atoms [with summary in English]. G. E. Pustovalov, Zhur. eksp. i teor. fiz. 43 no. 6:2170-2172 D '62.
Coulomb excitation of the first level in Mo^{92} [with summary in English]. O. F. Afonin and others, Zhur. eksp. i teor. fiz. 43 no. 6:1995-1997 D '62.
Determination of optimal wave functions for an approximate calculation of matrix elements. S. I. Vetchinkin, Dokl. AN SSSR 147 no. 6:1328-1331 D '62.
Determination of the effective excitation cross sections of the arc lines of potassium. L. M. Volkova, Opt. i spekt. 13 no. 6:849-851 '62.
Excitation of atoms in the positive column of a nonequilibrium gas discharge. T. V. Vilenskaya, Izv. vyz. ucheb. zav. i fiz. no. 6:111-114 '62.
Induced emission in a strong electromagnetic field [with summary in English]. V. I. Serdobol'skii, Zhur. eksp. i teor. fiz. 43 no. 6:2114-2121 D '62.
"Observed" probabilities of elastic neutron scattering and the Mössbauer effect in degenerated systems, and some new possibilities for producing such systems [with summary in English]. M. V. Kazarnovskii, A. V. Stepanov, Zhur. eksp. i teor. fiz. 43 no. 6:2299-2301 D '62.
On supercritical oscillation conditions in He II [with summary in English]. R. A. Babidze, Zhur. eksp. i teor. fiz. 43 no. 6:2086-2093 D '62.
On the probability of phononless transitions in impurity centers of crystals. E. D. Trifonov, Dokl. AN SSSR 147 no. 4:826-828 D '62.
Position of the upper electronic level and the oscillator force of the optical transition $\gamma_{\text{abs}}^{\text{max}} \sim 25,000 \text{ cm}^{-1}$ in NO_2 . V. N. Sosnitskov, Opt. i spekt. 13 no. 6:874-876 '62.
Probabilities of radiative transitions in odd and odd-odd deformed nuclei. M. E. Volkonskii, Izv. AN SSSR, Ser. fiz. 27 no. 1:118-124 Ja '63.
Probability of nonadiabatic transitions in the case of nondivergent terms. E. E. Nikitina, Opt. i spekt. 13 no. 6:761-765 '62.
Quantum methods of amplification and generation of electromagnetic waves. I. A. Derugin, Dos. such. fiz. no. 6:200-227 '62.
Quantum vortices in a fermion system [with summary in English]. L. P. Rapoport, A. G. Krylovetskii, Zhur. eksp. i teor. fiz. 43 no. 6:2122-2127 D '62.
Relaxation of intermolecular oscillations in gases and liquids [with summary in English]. V. A. Solov'ev, Ukr. fiz. zhur. 7 no. 8:854-860 Ag '62.
Simplification of the self-consistent field method for the valence state of the Ge atom. A. D. Gurchumelia, Izv. vyz. ucheb. zav. i fiz. no. 6:11-15 '62.
Simplified method for calculating the contour of infrared molecular bands at high temperatures. V. N. Sosnitskov, Opt. i spekt. 13 no. 6:871-873 '62.
Some integral characteristics of distributions applied to quantum-mechanical systems. Entropy of localization, extension, and degree of filling in a quantum-mechanical system [with summary in English]. D. A. Bocharov, I. V. Stankevich, A. L. Chistakov, Zhur. fiz. khim. 36 no. 12:2674-2679 D '62.
Study of isomeric transitions with a half-life of 10^{-4} to 10^{-1} sec. in even-even nuclei. V. V. Remaev, I. U. S. Korda, A. P. Klucharev, Izv. AN SSSR, Ser. fiz. 27 no. 1:125-131 Ja '63.
- Testing the validity of the Kramers-Kronig dispersion relations in dilute anthracene solutions. L. I. Al'perovich, V. M. Korovina, Opt. i spekt. 13 no. 6:880-881 '62.
Width of the forbidden zone in semiconductor films as dependent on their thickness and temperature. V. B. Sandomirskii, Zhur. eksp. i teor. fiz. 43 no. 6:2309 D '62.
- QUARRIES AND QUARRYING**
Improving drilling and blasting operations at quarries. I. B. Shlain, I. U. A. Myzdrikov, A. P. Avershenkov, Sbor. trud. NIIZHelezhobtona no. 7:17-34 '62.
- Introduction of pneumatic percussion drilling at rubble and crushed stone quarries. M. I. Onotskii, Sbor. trud. NIIZHelezhobtona no. 7:35-43 '62.
Using hydraulic engineering machinery in stripping operations at quarries of rock, gravel and sand for construction. N. B. Bandrimer, Biul. tekhn. inform. Inst. "Proektgidromekh." no. 1:11-16 '62.
- QUARRIES AND QUARRYING--EQUIPMENT AND SUPPLIES**
Mechanization in quarrying. A. Davidovich, I. Shisin, Na stroi. Ros. no. 12:25-27 D '61.
- QUARRIES AND QUARRYING--SAFETY MEASURES**
Dzhahallan, E. S. [Handbook on accident prevention for the mining foreman] Pamiatka po tekhnike bezopasnosti dlia gornogo мастера. Moskva, Gosstroizdat, 1962. 34 p. (Tekhnika bezopasnosti v stroitel'stvo)
- QUARTZ**
(see also subdivision under Kursk Magnetic Anomaly)
Shock wave compression of quartz. G. A. Adadurov and others, PMTF no. 4:81-88 Ji-Ag '62.
- QUARTZ--ELASTIC PROPERTIES**
Characteristics of the elastic behavior of quartz in the α - β transition region. V. G. Zubov, M. M. Firsova, Kristallografiia 7 no. 3:469-471 My-Je '62.
- QUARTZ--THERMAL PROPERTIES**
Determining the coefficient of linear expansion of quartz containers in the range of 0 to 100°C . A. N. Koroleva, Trudy Inst. Kom. stand. mer i izm. prib. no. 5:224-229 '61.
- QUARTZITE** see subdivision under Irkutsk Province; Kodabek District; Ukraine
- QUEEN MAUD LAND--PETROLOGY**
Absolute age of rocks of the central part of the mountains in Queen Maud Land (eastern Antarctica). M. G. Ravich and others, Dokl. AN SSSR 147 no. 6:1433-1436 D '62.
- QUESTIONS AND ANSWERS--STUDENTS**
WSN quiz: for my future I need... Voen. shkol. nov. 16 no. 4:20-21 Ap '62.
- QUINHYDRONE**
Free radical formation in benzoquinhydrone and phenazohydrin on solid surfaces studied by the electron paramagnetic resonance method. I. P. Grigorov and others, Dokl. AN SSSR 147 no. 4:867-869 D '62.
- QUINOLINE**
Condensation of 6-quinolyl aldehyde with pyridine and quinoline bases. B. P. Lugovkin, Zhur.ob.khim. 33 no. 1:71-74 '63.
Synthesis and some reactions of 8-hydroxyquinoline-butoxytitanium. K. A. Andrianov and others, Izv. AN SSSR, Otd. khim. nauk no. 12:2138-2141 D '62.
- QUINOLINETHIOL**
Analytical application of 8-mercaptoquinoline (thiocoxine) and its derivatives. Report No. 20: Thiocoxines of platinum metals [with summary in English]. I. U. A. Bankovskii, G. P. Mezharupa, A. F. Levin'sh, Zhur. anal. khim. 17 no. 6:721-733 S '62.
- QUINOLINOL**
Reactions of 8-hydroxyquinoline with α - and β -naphthols. Z. K. Dzhelomannova, Zhur.ob.khim. 32 no. 12: 4079-4083 D '62.
- RACE DISCRIMINATION** see subdivision under Africa; South Africa, Republic of
- RADAR**
Levichev, V. G., I. A. V. Stepuk, and B. I. Fogel'son. [Principles of radio engineering and radar; radio transmitting and receiving devices] Osnovy radiotekhniki i radiolokatsii; radiopredelashchit i radiopriemnye ustroistva, Moskva, Voenizdat, 1962. 394 p.
- RADAR IN ASTRONOMY**
Air currents in the meteor zone observed by radar [with summary in English]. I. A. Lyenko, Astron. zhur. 40 no. 1:161-170 Ja-F '63.
Radar tracking of the planet Mercury. V. A. Kotelnikov and others, Dokl. AN SSSR 147 no. 6:1320-1323 D '62.
- RADAR IN NAVIGATION**
Recognition of natural radar reference points. P. K. Belikina, Mor. sbor. 46 no. 1:42-49 Ja '63.
- RADIANT HEATING**
Experience with radiant heating using very hot water. G. P. Dobrolubov, Vod. i san. tekhn. no. 12:20 D '62.
- RADIATION**
Approximation methods applied in developing the problem of a radiating gas flow about a plate of finite length. A. T. Onufriev, PMTF no. 5:70-74 S-O '62.
Brief news. Atom. energ. 14 no. 2:234-235 F '63.
Effect of the exchanging ion and the degree of cross-linking of divinylbenzene on the radiation stability of ion exchange resins [with summary in English]. E. D. Kiseleva, K. V. Chmutov, V. N. Krupnova, Zhur. fiz. khim. 36 no. 12:2707-2713 D '62.

RADIATION (Continued)

Formation of radicals in the radiolysis of solid organic compounds. Part 1: Comparing radical yields in various organic compounds. IU, N. Molin and others. *Kin. i kat.* 3 no. 5:674-679 S-O '62.
Increase in radiation intensity before the emergence of a shock wave to the surface of a homogeneous medium [with summary in English]. I. A. Klymyshyn, A. L. Kravchuk. *Ukr. fiz. zhur.* 7 no. 10:1003-1009 O '62.
Nuclear magnetic relaxation in irradiated rubbers [with summary in English]. V. L. Karpov, N. M. Pomerantsev, N. M. Sergeev. *Vysokom. soed.* 5 no. 1:100-107 Ja '63.
Plasticization of polyethylene in low temperature radiolysis. V. G. Nikol'skii, N. I. A. Buben. *Dokl. AN SSSR* 147 no. 6:1406-1408 D '62.
Radiation chemical stability of some heterocyclic compounds. V. A. Sharpatyi, S. A. Safarov, K. G. Ivanova. *Dokl. AN SSSR* 147 no. 4:863-866 D '62.
Radiation of faster-than-light particles and some of its applications in experimental physics. P. O. Cherenkov. *Dokl. AN SSSR* 147 no. 6:134-144 '62.
Spectral distribution of radiation power. M. M. Gurevich. *Usp. fiz. nauk* 78 no. 3:463-470 N '62.

RADIATION—CONGRESSES

Second International Symposium on Inelastic Neutron Scattering by Solids and Liquids. N. Chernoplekov. *Atom. energ.* 14 no. 2:221-222 F '63.
Seminar on radiolysis measurement technique. L. V. Mel'tser. *Vest. AN SSSR* 33 no. 1:112-113 Ja '63.

RADIATION—DOSAGE see subdivision under Poland

RADIATION—MEASUREMENT

Multiple-screen calorimeter for measuring betatron radiation. B. A. Kononov, V. N. Rudenko. *Izv. vys. ucheb. zav.* no. 6:147-151 '62.

RADIATION—PHYSIOLOGICAL EFFECT

Free radicals in lipids of a rat's liver in the normal state and at various periods following gamma-irradiation. I. K. Kolomitseva, L. P. Katushin, A. M. Kuzin. *Dokl. AN SSSR* 147 no. 4:951-953 D '62.
Minneev, P. F. [Effect of ionizing irradiation on the central nervous system] *Vliyanie ioniziruyushchikh izlucheni na tsentral'nuyu nervnuyu sistemuy*, Moskva, Izd-vo Akad. nauk SSSR, 1962. 129 p.

RADICALS (CHEMISTRY)

Antiferromagnetism of free radicals [with summary in English]. A. M. Prokhorov, V. B. Fedorov. *Zhur. eksp. i teor. fiz.* 43 no. 6:2105-2109 D '62.
Chemistry of free radicals of the hydrazine series. Part 7: Synthesis of α,α -diphenyl- β -2, 6-dinitro-4-sul-fophenylhydrazyl and α,α -diphenyl- β -2, 4-dinitro-6-sul-fophenylhydrazyl. M. A. Ikrina, R. O. Matevosian. *Zhur. ob. khim.* 32 no. 12:3952-3957 D '62.
Comparison of the effect of solvents on the formation of anion radicals and carbonates. E. S. Petrov, E. A. Iakovleva, A. I. Shatenshtein. *Zhur. ob. khim.* 33 no. 1: 107-112 '63.
Electron paramagnetic resonance spectra of some new radicals. A. L. Buchachenko. *Opt. i spekt.* 13 no. 6: 785-800 '62.
Formation and recombination of free radicals during γ -irradiation of polypropylene. Part 1 [with summary in English]. V. K. Malinchuk and others. *Vysokom. soed.* 5 no. 1:71-74 Ja '63.

Formation of radicals in the radiolysis of solid organic compounds. Part 1: Comparing radical yields in various organic compounds. IU, N. Molin and others. *Kin. i kat.* 3 no. 5:674-679 S-O '62.

Free radical formation in benzoylhydrazide and phenozohydrazide on solid surfaces studied by the electron paramagnetic resonance method. I. P. Gragerov and others. *Dokl. AN SSSR* 147 no. 4:867-869 D '62.

Free radicals in lipids of a rat's liver in the normal state and at various periods following gamma-irradiation. I. K. Kolomitseva, L. P. Katushin, A. M. Kuzin. *Dokl. AN SSSR* 147 no. 4:951-953 D '62.

On the formation of free radicals of the triphenylmethyl series. IU, I. Kozlov, D. N. Shigorin. *Izv. AN SSSR. Ser. fiz.* 27 no. 1:14-16 Ja '63.

Preservation of the free valency in the reduction of the 2, 2, 5, 8-tetramethyl- γ -piperidone-nitric oxide radical according to Kizhner's reaction. E. G. Rozantsev, IU, G. Mamedova, M. B. Netman. *Izv. AN SSSR. Otd. khim. nauk* no. 12:2250-2251 D '62.

2, 2, 7, 7-Tetramethyl-5-homopiperazine-nitric oxide, a new stable free radical. E. G. Rozantsev, R. A. Papko. *Izv. AN SSSR. Otd. khim. nauk* no. 12:2254 D '62.

RADICALS (CHEMISTRY)—SPECTRA

Electron paramagnetic resonance in solutions of some free radicals of the phosphonohydrazyl series. A. E. Arbuzov and others. *Dokl. AN SSSR* 147 no. 4:838-842 D '62.

Electron paramagnetic resonance spectra of H_2O_2 , OH , DO_2 , and OD radicals. S. D. Kaitmazov, A. M. Prokhorov. *Fiz. tver. tela* 5 no. 1:347-348 Ja '63.

RADIO

Bratslavskii, I. A. [Transistor devices in communication apparatus] *Poluprovodnikovye pribory v apparature, aviatsii*. Moskva, Voenizdat, 1962. 127 p.

Calculation of coupling resistance of periodic delay systems. K. I. A. Likhodov, I. A. K. Trokhimenko. *Izv. vys. ucheb. zav.*; radiotekh. 5 no. 6:682-687 N-D '62.

Construction of a correlator based on a linear system with variable parameters. IU, I. A. Urov, V. I. Vinokurov, V. I. Makkaveev. *Izv. vys. ucheb. zav.*; radiotekh. 5 no. 6: 672-681 N-D '62.

Contribution of the radio amateurs to the seven year plan. A. Grif. *Radio* no. 1:7-9 Ja '63.

Dependence of the noise to signal ratio of a communication line on its design parameters. B. S. Riabyshekin. *Izv. vys. ucheb. zav.*; radiotekh. 5 no. 6:699-706 N-D '62.

The fifth year of the seven year plan. *Radio* no. 1:1-2 Ja '63.

Levichev, V. G., I. A. V. Stepuk, and B. I. Fogel'son. [Principles of radio engineering and radar; radio transmitting and receiving devices] *Osnovy radiotekhniki i radiolokatsii; radiopredelushcheye i radiopriemnyye ustroystva*. Moskva, Voenizdat, 1962. 494 p.

Our New Year Interviews. *Radio* no. 1:10-11 Ja '63.

Overshots of phase cosine of quasi-harmonic oscillations. V. I. Tikhonov, K. B. Chelyshev. *Radiotekh. i elektron.* 8 no. 1:24-31 Ja '62.

Problem concerning search in a system with a finite number of positions. K. Sh. Zigangirov. *Radiotekh. i elektron.* 8 no. 1:16-23 Ja '63.

[Radio electronics abroad] *Zarub. radioelek.* no. 1 Ja '63.

RADIO—BIBLIOGRAPHY see Bibliography—Radio

RADIO—DIAGRAMS

Frequency converters. E. Bernavolokov. *Radio* no. 1: 30-34 Ja '63.

RADIO—EQUIPMENT AND SUPPLIES

Contribution of radio amateurs to the seven year plan. *Vest. aviatsii* 22 no. 12:31-32 D '62.
Exchange of experience. S. Smirnov and others. *Radio* no. 1:38 Ja '63.
Line manufacture of screens. V. A. Chernyshev. *Mekh. i avtom. proizv.* 16 no. 12:23 D '62.
Loudspeakers with flat diaphragms. *Radio* no. 1:64 Ja '63.
Our consultations. *Radio* no. 1:60-61 Ja '63.
Points from foreign trade journals. *Radio* no. 1:50-59 Ja '63.

RADIO—INTERFERENCE

Concerning the use of an image signal extrapolation method for suppressing impulse interference. A. A. Gorbachev, M. I. Vinogradov. *Elektronvuz* 16 no. 12: 60-71 D '62.

Effect of the form of the frequency characteristic of a selective system on the intensity of fluctuations at the output of a receiver. V. G. Bulitskii. *Izv. vys. ucheb. zav.*; radiotekh. 5 no. 6:730-742 N-D '62.

Organizing of a campaign against industrial interference to radio and television reception. M. L. Zakharov. *Vest. aviatsii* 22 no. 12:19-20 D '62.

RADIO—NOISE

Study of the low-frequency spectrum of magnetic noise. N. N. Kolachevskii, V. V. Rozhdestvenskii. *Radiotekh. i elektron.* 8 no. 1:53-56 Ja '63.

RADIO—PERIODICALS

Conferences of the readers of "Radio." *Radio* no. 1:62-63 Ja '63.

RADIO—TRANSMITTERS AND TRANSMISSION

Methodology for controlling the quality of the operation of radio broadcasting transmitters. I. I. Seleznev, A. D. Taranenko. *Vest. aviatsii* 22 no. 12:5-7 D '62.
Terent'ev, S. N., and V. F. Karavaykh. [Triode S-band transmitters] *Triodnye poredatshiki detsimetrovyykh voln*. Kiev, Gostekhzdat USSR, 1962. 345 p.

RADIO ASTRONOMY

Absorption of the radio emission of the source Sagittarius A by interstellar neutral hydrogen [with summary in English]. N. F. Ryzhikova and others. *Astron. zhur.* 40 no. 1:17-22 Ja-F '63.

An attempt to discover the 21 cm. hydrogen radio emission line of galaxy clusters in Corona Borealis and Gemini. N. S. Kardashev. *Astron. tsir.* no. 224: 13-15 Ag '61.

Distribution of polarized and nonpolarized radio emission in the Crab nebula [with summary in English]. N. S. Soboleva, V. A. Prozorov, IU, N. Paritskii. *Astron. zhur.* 40 no. 1:3-11 Ja-F '63.

Precise absolute measurements of radio emission fluxes of the Crab and Orion nebulae at the 3, 2 cm. wavelength [with summary in English]. V. S. Lazarevskii, K. S. Stankevich, V. S. Troitskii. *Astron. zhur.* 40 no. 1:12-16 Ja-F '63.

Study of space frequency spectra of a multiantenna radio interferometer with phase modulation. A. Baklavs. *Izv. AN Latv. SSR* no. 8:67-74 '62.

Thermal conductivity of lunar materials according to the data of precision measurements of lunar radio emission [with summary in English]. V. D. Krotikov, V. S. Troitskii. *Astron. zhur.* 40 no. 1:158-160 Ja-F '63.

RADIO DIRECTION FINDERS

Analytical method for determining the position of an airplane by radio-navigational points. G. Shkol'nik. *Grazhd. av.* 12 no. 2:21-22 F '62.
Simple radio direction finding. A. Astashkevich. *Av. i kosm.* 45 no. 1:73 Ja '63.

RADIO IN AGRICULTURE

Radiobroadcasting on collective farms. K. Musin. *Part. zhizn'* [Uzb.] 5 no. 1:75-76 N '62.

RADIO IN EDUCATION

Meetings on the air. V. Ruzhnikov. *Som'ya i shkola* 17 no. 1:32 N '62.

RADIO INDUSTRY see subdivision under Odessa

RADIO JOURNALISM

In the role of trace horse. T. Lip'in. *Sov. pech.* no. 12: 32 D '62.
Long live "Unost'!" Boris Dubrovin. *Sov. pech.* no. 12: 33-36 D '62.
The weekly radio broadcasts of a workers' collective. V. Pavlov. *Part. zhizn'* no. 2:77 Ja '63.

RADIO LINES

Dependence of the noise to signal ratio of a communication line on its design parameters. B. S. Riabyshekin. *Izv. vys. ucheb. zav.*; radiotekh. 5 no. 6:699-706 N-D '62.

RADIO MEASUREMENTS

Determination of the necessary frequency for the periodic measurement of a continuous signal [with summary in English]. M. V. Rybashov. *Avtom. i telem.* 24 no. 1:75-81 Ja '63.

Optimum parameters of multiscale measuring systems. A. E. Basharinov, V. V. Akindinov. *Radiotekh. i elektron.* 8 no. 1:3-7 Ja '63.

RADIO OPERATORS

(see also subdivision under Kamchatka)
CQ SSB. *Radio* no. 1:22-23 Ja '63.
Medical doctor, a designer, and sportsman. M. Zozulia. *Radio* no. 1:6 Ja '63.
A word about radio frequency allocation to radio amateurs. L. Lilenko. *Radio* no. 1:12-13 Ja '63.

RADIO PROGRAMS

Prepare better radio and television program guides. *Part. zhizn'* no. 4:78 F '63.

RADIO RELAY SYSTEMS

Theoretical and experimental study of the power of transient interference during multibeam reception. I. A. Guskatinskii, F. I. A. Ryakina. *Elektronvuz* 16 no. 12: 3-13 D '62.

RADIOACTIVATION ANALYSIS

Determination of impurities of gold by the radioactivation method. A. A. Lbov, I. I. Naumova. *Zav. lab.* 29 no. 12: 1475-1477 '62.
Use of neutron analysis to determine the tungsten, aluminum, and manganese content of dressing products. I. F. Stechenko. *Nauch. soob. IOG* 14:144-149 '62.

RADIOACTIVE FALLOUT

Concerning Sr⁹⁰ fallout in the middle latitudes of the U.S.S.R. [with summary in English]. IU, A. Polinikov, A. M. Leont'ev, L. K. Mel'nikov. *Pochvovedenie* no. 11: 45-50 N '62.

RADIOACTIVE PROSPECTING

Methodology of determining the volumetric weight of ores from the attenuation of gamma rays. V. A. Artsybashev. *Izv. vys. ucheb. zav.*; geol. i razv. 5 no. 10:106-112 O '62.

RADIOACTIVE SUBSTANCES—MEASUREMENTS

Bochkarev, V. V., ed. [Measuring technique for radioactive preparations] *Tekhnika izmereni radioaktivnykh preparatov*. Moskva, Gosatomizdat, 1962. 101 p.

RADIOACTIVE TRACERS

Industrial use of radioactive tracers. V. Litenko, V. Postnikov. *Kommunist* 39 no. 2:56-59 Ja '63.
Use of radioactive indicators in studying the movement regularities of technological solutions in the production of titanium dioxide. E. I. Chulkin and others. *Lakokrna, mat. i kh. prim.* no. 6:64-70 '62.

RADIOACTIVITY—SAFETY MEASURES

Attention, radioactivity! G. Duvankov. *Okhr. truda i sots. strakh.* 6 no. 1:39-40 Ja '63.
A radiometer with universal power supply. V. Lantukh, B. Nelman, A. Kuz'min. *Radio* no. 1:44-45, 48 Ja '63.

RADIOBROADCASTING see subdivision under Leningrad District (Andizhan Province)

RADIOCHEMISTRY

Bugaenko, L. T., E. P. Kallazin, and V. V. Saraeva. [Laboratory work in radiation chemistry] *Praktikum po radiatsionnoi khimii*. Moskva, Mosk. gos. univ., 1962. 161 p.

- RADIOCHEMISTRY (Continued)**
Radiochemical investigation of the reaction of cumene hydroperoxide with cumene. M. R. Leonov, B. A. Redoshkin, V. A. Shushunov, Zhur. ob. khim. 32 no. 12:3959-3962 D '62.
Radiochemical separation of hafnium without carrier. N. G. Zaitseva, Chzhou Mo-lun [Chou Mo-lung]. Radiokhimiia 4 no. 6:738-739 '62.
Some new problems in radiochemistry. V. I. Spitsyn. Vest. AN SSSR 33 no. 1:11-15 Ja '63.
- RADIOCHEMISTRY—CONGRESSES**
Conference on the use of charged particle accelerators in radiation chemistry. E. V. Egorov, M. I. A. Kaplunov. Atom. energ. 14 no. 2:222-224 F '63.
Symposium on Radiochemistry. S. A. Brusentseva. Vest. AN SSSR 33 no. 1:83-84 Ja '63.
- RADIOGRAPHY—SAFETY REGULATIONS**
Pavlov, P. I. [Radiographer's handbook of safety technique] Pamiatka po tekhnike bezopasnosti dlia radiografa. Moskva, Gosatomizdat, 1962. 27 p.
- RADIOISOTOPES**
Cross sections of the fission of ^{232}Th , ^{233}U , ^{237}Np , and ^{238}U by neutrons in the energy range 5-37 Mev. V. M. Pankratov. Atom. energ. 14 no. 2:177-184 F '63.
Deactivating capacity of purification structures. E. A. Pugachev. Vod. i san. tekhn. no. 12:13-14 D '62.
Mechanism of the interstitial introduction of a radioactive isotope into the nuclear emulsion. K. B. Zaborenko, V. I. Korobkov, K. A. Radovich. Radiokhimiia 4 no. 6:715-720 '62.
- RADIOISOTOPES—INDUSTRIAL APPLICATIONS**
Errors resulting from the use of a radioactive isotope technique in studying the wear of engines. B. B. Nefedov. Mekh. i elek. sois. sel'khoz. 20 no. 6:17-20 '62.
Features of using radioactive isotopes in service systems. L. F. Kuznetsov, V. D. Timakov. Elek. i tepl. tsiaga 6 no. 11:40-41 N '62.
Industrial testing of radioactive level indicators of the clarified layer in thickeners. V. V. Smirnov, G. A. Khan. TSvet. met. 35 no. 9:15-20 S '62.
Study of the possibility of using the radiometric method to control the distance before contact between coal and rock for purposes of automation of stopping machinery. E. S. Snagovskii, V. G. Segalin, A. A. Rudakovskii. Mekh. i avtom. v gornoi prom. no. 2:291-304 '62.
Use of radioactive isotopes in a method for separating potato tubers from soil lumps and stones. R. A. Spravents, S. A. Said-Khodzhaev. Mekh. i elek. sois. sel'khoz. 20 no. 6:40-43 '62.
- RADIOISOTOPES—MEASUREMENT**
Seminar on radioisotope measurement technique. L. V. Mel'itser. Vest. AN SSSR 33 no. 1:112-113 Ja '63.
- RADIOMETER**
A radiometer with universal power supply. V. Lantukh, B. Neizman, A. Kuz'min. Radio no. 1:44-45, 48 Ja '63.
- RADIOSONDES**
Reducing radiation errors in measuring the air temperature with an RKZ-1A radiosonde. G. N. Kostinot, A. I. Kruglova. Meteor. i gidrol. no. 1:47 Ja '63.
- RADIOTELEGRAPH**
Automatically controlled VT-3A exciter. A. S. Pustovoi. Vest. aviazii 22 no. 12:3-5 D '62.
Radiotelegraphists. A. Egorin. Voen. znan. 39 no. 1:21-22 Ja '63.
- RADIOTELEGRAPH—HANDBOOKS, MANUALS, ETC.**
Vasil'evskii, N. I., and A. I. Lebedev. [Reading and composing radiograms in English] Chitatie i sostavlenie radiogram na angliiskom iazyke. Moskva, Izd-vo "Morskoi transport," 1962. 45 p.
- RADIOTELEPHONE**
Concerning the use of an image signal extrapolation method for suppressing impulse interference. A. A. Gorbachev, M. I. Vinogradov. Elektrosviaz' 18 no. 12:68-71 D '62.
- RADIOTHERAPY**
Character of the changes in potassium and sodium excretion in the urine of patients during radiotherapy. A. S. Smagulov. Zdrav. Kazakh. 22 no. 7:17-21 '62.
- RADISHCHEV, ALEKSANDR NIKOLAEVICH, 1749-1802**
Derevitsov, I. A. [Pedagogical ideas of A. N. Radishchev] Pedagogicheskie idei A. N. Radishcheva. Moskva, Uchpedgiz, 1962. 89 p.
- RADISHES**
Growing radish seeds without transplantation. V. N. Sizov. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:111-112 '62.
- RADIUM**
Radium and thorium contents in andesite-basalt, andesite, and dacite. N. N. Shavrova. Bul. Vulk. sta. no. 33:67-70 '62.
- RADON**
Effect of actinon and radon on the determination of thoron by the emanation method. P. I. Chaikin, N. V. Golubev. Radiokhimiia 4 no. 6:742-744 '62.
- RAFTS**
Tractors in winter raft making. Konisev. Les. prom. 40 no. 11:p. 3 of cover N '62.
- RAGWEED** see subdivision under Stavropol Territory
- RAILROAD BRIDGES**
Experience in the reinforcement of river crossings. A. M. Efendiev. Put' i put. khoz. 6 no. 11:40 '62.
- RAILROAD BRIDGES—MAINTENANCE AND REPAIR**
Prefabricated rail package. A. I. Kochnov. Put' i put. khoz. 6 no. 12:34 '62.
- RAILROAD RESEARCH** see subdivision under Novosibirsk; Riga
- RAILROADS**
(see also subdivision under Austria; Kalachinskaya; Siberia; Sverdlovsk Province)
Features of using radioactive isotopes in service systems. L. F. Kuznetsov, V. D. Timakov. Elek. i tepl. tsiaga 6 no. 11:40-41 N '62.
Pulse of the steel track (conclusion). I. Bazylev. NTO 4 no. 12:36-39 D '62.
Put into practice the resolutions of the November Plenum of the Central Committee of the CPSU. Zhel. dor. transp. 44 no. 12:3-7 D '62.
Several results of transportation development at the beginning of the Great Patriotic War. B. Orlov. Vop. ekon. no. 12:133-138 D '62.
Steel arteries. NTO 4 no. 9:6-10 S '62.
- RAILROADS—ABSTRACTS**
[Railroad transportation] Ref. zhur.: Zhel. dor. transp. nos. 1-2 Ja-F '63.
- RAILROADS—BIBLIOGRAPHY** see Bibliography—Railroads
- RAILROADS—BRAKES**
Air distributors on locomotives should be switched to free-running operation. I. I. Babonko. Elek. i tepl. tsiaga 6 no. 11:44 N '62.
Blocking device of the brake system of locomotives. V. A. Grinlo, N. N. Klimov. Elek. i tepl. tsiaga 6 no. 11:25-27 N '62.
Forces of the interaction of cars in a train in case of a different level of the coupling axes. S. V. Vershinskii. Vest. TSNI MPS 21 no. 8:3-7 '62.
Klykov, E. V. [Braking of trains] Tormozhenie poezda. Moskva, Transzheldorizdat, 1962. 139 p.
- RAILROADS—BUILDINGS AND STRUCTURES**
Standard design of a section storehouse. N. A. Krasin. Put' i put. khoz. 6 no. 11:16 '62.
- RAILROADS—CARS**
[Outstanding workers in the maintenance and operation of railroad cars] Olichniki-vagonniki. Moskva, Transzheldorizdat, 1962. 110 p. (Zheleznodorozhnikiperedoviki sotsialisticheskogo srovnovaniia)
- RAILROADS—CARS—DESIGN AND CONSTRUCTION**
Important problems in the improvement of car design and construction. G. M. Khandros. Zhel. dor. transp. 44 no. 12:60-62 D '62.
- RAILROADS—CARS—HEATING AND VENTILATION**
Use of the 3,000 volt current for the electric power supply of passenger trains. V. A. Rakov. Zhel. dor. transp. 44 no. 12:45-47 D '62.
- RAILROADS—COMMUNICATION SYSTEMS**
Ersahov, I. M. [Corrosion protection of cables in Centralized Traffic Control and communication systems] Zashchita kabelei STsB i svyazi ot korrozii. Moskva, Transzheldorizdat, 1962. 127 p.
Russia (1923- U. S. S. R.) Glavnoe upravlenie signalizatsii i svyazi. [Safety regulations and instruction concerning the servicing and repair of Centralized Traffic Control and communication systems of railroads] Pravila i instruktsiia po tekhnike bezopasnosti pri obsluzhivani i remonte ustroist STsB i svyazi na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962. 123 p.
"Track circuits" by N. F. Kotliarenko. Reviewed by I. P. Logvinenko, Q. V. Kozin, M. I. Braginskii. Zhel. dor. transp. 44 no. 12:81-82 D '62.
- RAILROADS—CONSTRUCTION**
The "cold thermos" method of placing concrete. I. A. E. Shenkar'. Transp. stroi. 12 no. 12:29-30 D '62.
- RAILROADS—COST OF OPERATION**
More freight to be carried for each ruble of capital assets. V. E. Biriukov, N. G. Vinnichenko. Zhel. dor. transp. 44 no. 12:20-25 D '62.
Technical and economic efficiency of the new traction types in local operations. I. U. F. Kulaev. Zhel. dor. transp. 44 no. 12:26-31 D '62.
- RAILROADS—DINING-CAR SERVICE**
Gasification of dining cars. V. Safonov. Oshshchestv. pit. no. 12:42 D '62.
- RAILROADS—EARTHWORK**
Crew of communist labor. V. Kabanov. Stroitel' 6 no. 11:9 N '62.
Improve the design and construction of counter dams. L. P. Nikiforov. Put' i put. khoz. 6 no. 12:23 '62.
- RAILROADS—ELECTRIFICATION**
(see also subdivision under Great Britain)
The Moscow - Baikal main electric railroad line. A. Romanov. Na stroi. Ros. no. 12:11-13 D '61.
Overhauling on a large scale. N. A. Letuchii, M. V. Urin. Put' i put. khoz. 6 no. 11:7-8 '62.
- RAILROADS—EMPLOYEES**
(see also subdivision under Tashkent)
Assume greater responsibility for the given assignment. V. D. Sizov. Put' i put. khoz. 6 no. 11:2-3 '62.
The best in the profession. Put' i put. khoz. 6 no. 12:4-9, 11, 10-17 '62.
Creative and highly productive work is a basis for success. F. P. Omel'ianenko. Elek. i tepl. tsiaga 6 no. 11:13 N '62.
[Outstanding workers in the maintenance and operation of railroad cars] Olichniki-vagonniki. Moskva, Transzheldorizdat, 1962. 110 p. (Zheleznodorozhnikiperedoviki sotsialisticheskogo srovnovaniia)
A "popular university" in the repair shop of Moskva-Sortirovochnaya. V. P. Filimonov, M. A. Rozenvasser. Elek. i tepl. tsiaga 6 no. 11:5-6 N '62.
The work of a voluntary engineer-instructor plays an important role among the workers. V. P. Samodelov. Elek. i tepl. tsiaga 6 no. 11:17-18 N '62.
- RAILROADS—EMPLOYEES—EDUCATION AND TRAINING**
From the experience in training mechanization personnel. I. A. Krasnovich. Put' i put. khoz. 6 no. 12:21 '62.
- RAILROADS—EQUIPMENT AND SUPPLIES**
Al'brekht, V. G., and V. I. Bolotin. [Small-scale mechanization of the operations in track maintenance and repair] Malina mekhanizatsiia v putevom khoziaistve. Moskva, Transzheldorizdat, 1962. 124 p.
For a more efficient utilization of the equipment. S. I. Fadeev. Put' i put. khoz. 6 no. 12:7-9 '62.
Gurskii, P. A., and others. [Experience in the organization of a railroad laboratory for the inspection and maintenance of measuring equipment] Opyt organizatsii dorozhnoi kontroli'no-izmoritel'noi laboratorii. Moskva, Transzheldorizdat, 1962. 167 p.
Modernization of the ShchOM-D ballast cleaner. V. M. Minin. Put' i put. khoz. 6 no. 12:14-15 '62.
Recording rail deflection indicator for high-speed sections. G. E. Andreev. Put' i put. khoz. 6 no. 11:30-31 '62.
Redesigning of the defectoscope film receiving cassette. I. A. Markozov. Put' i put. khoz. 6 no. 11:45 '62.
Two shifts use the same mechanisms. I. M. Nepokupnyi. Put' i put. khoz. 6 no. 12:3 '62.
Universal track maintenance machine. V. E. Parunskii, V. V. Iastuchenia, I. S. Kutenko. Put' i put. khoz. 6 no. 11:32-33 '62.
- RAILROADS—FINANCE**
The role of profits in the strengthening of business accounting in railroad divisions. E. V. Larianova. Zhel. dor. transp. 44 no. 12:54-58 D '62.
- RAILROADS—FREIGHT**
Improve the planning of freight transportation. V. A. Kuprin, M. G. Pakhomov. Zhel. dor. transp. 44 no. 12:32-34 D '62.
Improving transportation and economic relations. L. Kats. Plan. khoz. 39 no. 12:44-49 D '62.
More freight to be carried for each ruble of capital assets. V. E. Biriukov, N. G. Vinnichenko. Zhel. dor. transp. 44 no. 12:20-25 D '62.
Potentials of the making up of long-distance through freight car flows. A. M. Kandelinskii. Zhel. dor. transp. 44 no. 12:35-40 D '62.
Technical and economic efficiency of the routing of shipper's special destination trains from the loading point. A. V. Kainashev. Vest. TSNI MPS 21 no. 8:30-34 '62.
- RAILROADS—FREIGHT CARS**
Automation of the unloading of railroad cars. I. V. Grinsphun. Mekh. i avtom. proizvod. 16 no. 12:14-17 D '62.
Economic advantages of the weight reduction of freight cars. G. V. Kotov, N. I. Evelov. Vest. TSNI MPS 21 no. 8:34-36 '62.
New freight car for the transportation of hot sliver. V. G. Katmykov. Vest. TSNI MPS 21 no. 8:53-54 '62.
- RAILROADS—FREIGHT CARS—CLEANING**
Overhead washing apparatus for box car cleaning. V. D. Romanenko, V. P. Kravets. Zhel. dor. transp. 44 no. 12:72-73 D '62.

RAILROADS—FREIGHT CARS—MAINTENANCE AND REPAIR

Babenko, V. I., N. K. Voloshchenko, and M. F. Feldman. [Inspection and repair of freight cars in mass loading and unloading stations] Osmotr i remont gruzovykh vagonov nastantsiakh massovoi pogruzki i vygruzki; opyt Donetskoi dorogi. Moskva, Transzheldorizdat, 1962, 49 p.

RAILROADS—HUMP YARDS

Programmed control of the automatic centralization systems of hump yards. C. A. Krasovskii, V. A. Bulanov, I. U. V. Morozov. Vest. TSNII MPS 21 no. 8:59-61 '62.

RAILROADS—INTERNATIONAL COOPERATION

Collaboration of the railroad members of the Economic Commission for Europe. N. P. Afanas'ev. Zhel. dor. transp. 44 no. 12:74-75 D '62.

Seventh Session of the Subcommittee on Railroad Transportation of the Economic Commission for Asia and the Far East. Zhel. dor. transp. 44 no. 12:89 D '62.

RAILROADS—LABOR PRODUCTIVITY

Potentials for the growth of labor productivity in railroad transportation. K. N. Tverskoi. Zhel. dor. transp. 44 no. 12:8-13 D '62.

RAILROADS—MAINTENANCE AND REPAIR

(see also subdivision under Karaganda)

A brigade skillful in track alignment. V. P. Chernyi. Put' i put. khoz. 6 no. 11:23 '62.

[Current maintenance and repair of tracks] Tekushchee soderzhanie i remont puti; opyt puteitsey Nizhnedneprovsk-Uzlovskoi distantsii Pridneprovskoi dorogi. Moskva, Transzheldorizdat, 1962, 55 p.

Letters to the editor. Put' i put. khoz. 6 no. 11:47-48 '62.

Machine for replacing cross-ties and for other operations on railroad tracks. V. E. Parunakian, V. V. Iasluhenko. Blud. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:61-63 '62.

A matter of honor for each engineer and track maintenance technician. A. G. Plekhanov. Put' i put. khoz. 6 no. 11:1 '62.

Our methods of maintenance of tracks of the new construction type. A. M. Bezrukov, N. S. Pribud'ko, M. M. Barsukov. Put' i put. khoz. 6 no. 11:21-22 '62.

Overhauling on a large scale. N. A. Letuchii, M. V. Urin. Put' i put. khoz. 6 no. 11:7-8 '62.

Skillful operators of defectoscopes. V. I. Vagaitsev. Put' i put. khoz. 6 no. 11:35 '62.

The tasks of track machine stations. V. M. Voloshin. Put' i put. khoz. 6 no. 11:3-6 '62.

Track cleaning in station areas. Put' i put. khoz. 6 no. 11:33 '62.

RAILROADS—MAKING UP TRAINS

Improved system of organizing car flows in a division. V. V. Vorob'ev. Zhel. dor. transp. 44 no. 12:58-60 D '62.

"Maneuvers in railroad stations" by K. M. Dobroselt'skii. Reviewed by A. A. Mitokhov. Zhel. dor. transp. 44 no. 12:90-91 D '62.

Potentials of the making up of long-distance through freight car flows. A. M. Kandelin'skii. Zhel. dor. transp. 44 no. 12:35-40 D '62.

Technical and economic efficiency of the routing of shipper's special destination trains from the loading point. A. V. Kaitashev. Vest. TSNII MPS 21 no. 8:30-34 '62.

RAILROADS—MANAGEMENT

Use electronic digital computers for analyzing the operations, maintenance and repair of locomotives. V. M. Sidel'nikov, V. D. Barkhatnyi. Vest. TSNII MPS 21 no. 8:54-58 '62.

RAILROADS—RAILS

Fulfilled obligations. M. N. Provodina. Put' i put. khoz. 6 no. 12:10-11 '62.

It is the task of metallurgists to lengthen the service life of rails. E. Z. Freidenzon. Put' i put. khoz. 6 no. 11:9 '62.

Loading of rails in packages. V. I. Tolmachev. Put' i put. khoz. 6 no. 12:29 '62.

Maintenance of "R75" rails. A. A. Zolotarevskii, P. V. Rogozhin, P. P. TSukanov. Put' i put. khoz. 6 no. 11:38-40 '62.

Method of calculating the laying of shortened rails. G. A. Bukeh. Put' i put. khoz. 6 no. 12:32-33 '62.

Prefabricated rail package. A. I. Kochmov. Put' i put. khoz. 6 no. 12:34 '62.

Train for rail grinding. S. M. Isaev. Put' i put. khoz. 6 no. 12:16-17 '62.

RAILROADS—RAILS—DEFECTS

My experience in the operation of a defectoscope. V. V. Safonov. Put' i put. khoz. 6 no. 11:20 '62.

Preventing rail joint defects. T. G. Bul'ba. Put' i put. khoz. 6 no. 12:12-13 '62.

Two useful proposals. V. I. Vagaitsev. Put' i put. khoz. 6 no. 12:28 '62.

Utilization of residual magnetic fields. S. S. Utekhin. Put' i put. khoz. 6 no. 12:26-28 '62.

We don't miss a single defect. P. I. A. Kochkarev, B. A. Akhmedzhin. Put' i put. khoz. 6 no. 11:25-20 '62.

RAILROADS—RAILS—FASTENINGS

"Hei-Beck" rail fastenings (from "Railway Gazette, no. 10, 1962). Put' i put. khoz. 6 no. 12:43 '62.

RAILROADS—RAILS—TESTING

Template for measuring the wear of rails. M. F. Pecherin. Put' i put. khoz. 6 no. 12:29 '62.

RAILROADS—REFRIGERATOR CARS see Refrigerator cars

RAILROADS—REPAIR SHOPS

(see also subdivision under Vologda)

Chernyshev, P. N., A. K. Soroka, and P. N. Nalvaiko. [Repair of cars on a conveyor; the experience of Kanash, Darnitsa, Borisoglebsk and Nizhnedneprovsk car repair shops] Remont vagonov na konvelere; opyt Kanashskogo Darnitskogo, Borisoglebskogo i Nizhnedneprovskogo vagonoremontnykh zavodov. Moskva, Transzheldorizdat, 1962, 155 p.

A "popular university" in the repair shop of Moskva-Sortirovochnaia. V. P. Filimonov, M. A. Rozenvasser. Elek. i tepl. tiaga 6 no. 11:5-6 N '62.

RAILROADS—SAFETY MEASURES

(see also subdivision under Chelyabinsk)

Russia (1923- U.S.S.R.) Glavnoe upravlenie signalizatsii i svyazi. [Safety regulations and instruction concerning the servicing and repair of Centralized Traffic Control and communication systems of railroads] Pravila i instruktsiia po tekhnike bezopasnosti pri obsluzhivanii i remonte ustroistv StsB i svyazi na zhelezno-dorozhnom transporte. Moskva, Transzheldorizdat, 1962, 123 p.

RAILROADS—SIGNALING

Kozlovskii, A. S. [Signal lamps and their maintenance] Signalnye tonari i ukhod za nimi. Moskva, Transzheldorizdat, 1961, 50 p.

"Track circuits" by N. F. Kotliarsenko. Reviewed by I. P. Logvinenko, O. V. Kozin, M. I. Bragin'skii. Zhel. dor. transp. 44 no. 12:91-92 D '62.

RAILROADS—SIGNALING—BLOCK SYSTEM

Types of signaling and block system cables for 1931-1965. Vest. elektroprom. 34 no. 1:74-75 Ja '63.

RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Ershov, I. M. [Corrosion protection of cables in Centralized Traffic Control and communication systems] Zashchita kabelei StsB i svyazi ot korrozii. Moskva, Transzheldorizdat, 1962, 127 p.

Russia (1923- U.S.S.R.) Glavnoe upravlenie signalizatsii i svyazi. [Safety regulations and instruction concerning the servicing and repair of Centralized Traffic Control and communication systems of railroads] Pravila i instruktsiia po tekhnike bezopasnosti pri obsluzhivanii i remonte ustroistv StsB i svyazi na zhelezno-dorozhnom transporte. Moskva, Transzheldorizdat, 1962, 123 p.

RAILROADS—SIGNALING—INTERLOCKING SYSTEMS

Kazakov, A. A. [Electric interlocking of switches and signaling systems] Elektricheskaya tsentralizatsiia strelok i signalov. 4., perer. izd. Moskva, Transzheldorizdat, 1962, 315 p.

RAILROADS—SNOW PROTECTION AND REMOVAL

(see also subdivision under Kuybyshev Province)

Make wider use of the snow thawing method. V. I. Bolotin. Put' i put. khoz. 6 no. 12:4 '62.

Modernized snow clearing train. G. S. Chernov. Put' i put. khoz. 6 no. 11:44 '62.

Simple attachment for removing snow from railroad tracks at construction sites. N. D. Kuznetsov. Strel. i dor. mash. 7 no. 12:32 D '62.

Snow slinger mounted on a track motorcar. F. S. Kugaro. Put' i put. khoz. 6 no. 11:44-45 '62.

RAILROADS—STATIONS

(see also subdivision under Dushanbe)

New conditions of the work of section stations and improvement of their techniques. V. E. Iarmolenko, P. S. Gruntov, P. A. Shul'zhenko. Zhel. dor. transp. 44 no. 12:41-44 D '62.

RAILROADS—SURVEYING

[Surveying in railroad engineering] Geodeziia v zhelezno-dorozhnom dele; spravochnoe posobie. [By] Liutts, A. F. i dr. Moskva, Geogezizdat, 1962, 342 p.

RAILROADS—SWITCHES

Increasing the train speed on switches. L. I. A. Lipkind. Put' i put. khoz. 6 no. 11:14-16 '62.

Kazakov, A. A. [Electric interlocking of switches and signaling systems] Elektricheskaya tsentralizatsiia strelok i signalov. 4., perer. izd. Moskva, Transzheldorizdat, 1962, 315 p.

Switch operation on blocks. A. M. Mikitenko. Put' i put. khoz. 6 no. 11:24 '62.

Using the tracklaying machine for the exchange of switches. A. K. Dmitriev. Put' i put. khoz. 6 no. 11:6 '62.

RAILROADS—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Kagan; Lithuania)

After a workday. D. Bluvshstein. NTO 4 no. 11:16-17 N '62.

RAILROADS—TIES

An enterprise of communist labor. A. I. Rubtsov, D. N. Romanov. Put' i put. khoz. 6 no. 11:10-11 '62.

Machine for the wiring of ties (from "Der Eisenbahn Ingenieur", Oct. 1961). D. P. Belov. Put' i put. khoz. 6 no. 12:43 '62.

Quality of the wiring and marking of ties. K. V. Brezgunov. Put' i put. khoz. 6 no. 11:19 '62.

RAILROADS—TIES, CONCRETE see subdivision under Beslan

RAILROADS—TIMETABLES

[Passenger train timetables; summer 1962] Ukazatel' zhelezнодороzhnykh passazhirskikh soobshchenii; leto 1962 goda. Moskva, Transzheldorizdat, 1962, 695 p.

RAILROADS—TRACK

(see also subdivision under Czechoslovakia)

Al'brekht, V. G., and V. I. Bolotin. [Small-scale mechanization of the operations in track maintenance and repair] Malala mekhanizatsiia v putevom khoziaistvo. Moskva, Transzheldorizdat, 1962, 124 p.

Alignment of heavy rail tracks. I. B. Lekhno. Put' i put. khoz. 6 no. 12:30-32 '62.

Answering readers' queries. Put' i put. khoz. 6 no. 12:42 '62.

Determining the strains in the surfacing of continuous tracks. E. P. Pershin. Put' i put. khoz. 6 no. 11:35-37 '62.

Determining the strains in track raising. S. I. Morozov. Vest. TSNII MPS 21 no. 8:43-45 '62.

Experience in planning the laying of a continuous track with welded rails. E. M. Shakh, V. A. Surzhik. Put' i put. khoz. 6 no. 11:17-18 '62.

Improving the structure of track management on consolidated railroad lines. G. I. Shabalov. Zhel. dor. transp. 44 no. 12:47-51 D '62.

Laying and ballasting track on the Karaganda-Karagayly line. A. I. Krupen', V. I. Artem'ev, N. S. Tamarinson. Transp. stroit. 12 no. 12:10-13 D '62.

Letters to the editor. P. A. Evlampiev and others. Put' i put. khoz. 6 no. 12:39-41 '62.

Toward new labor achievements. Put' i put. khoz. 6 no. 12:1-2 '62.

Transversal displacements of the rail-tie skeleton under the action of vertical load and lateral forces. I. F. Isakov. Vest. TSNII MPS 21 no. 8:45-49 '62.

RAILROADS—TRACKLAYING MACHINERY

Using the tracklaying machine for the exchange of switches. A. K. Dmitriev. Put' i put. khoz. 6 no. 11:6 '62.

RAILROADS—TRAFFIC

Intensive utilization of the traffic capacity of single-track lines. M. M. Marinyov. Zhel. dor. transp. 44 no. 12:70-71 D '62.

Zubkov, I. I., and A. K. Ugul'mov. [Traffic organization in railroad transportation] Organizatsiia dvizheniia na zheleznodorozhnom transporte. 1zd. 2., perer. i dop. Moskva, Transzheldorizdat, 1962, 399 p.

RAILROADS—TRAIN DESPATCHING see subdivision under White Russia

RAILROADS—TRAIN SPEED

Increasing the train speed on switches. L. I. A. Lipkind. Put' i put. khoz. 6 no. 11:14-16 '62.

RAILROADS, INDUSTRIAL—MAINTENANCE AND REPAIR

Over-all mechanization of maintenance and repair of industrial railroad tracks. V. P. Natusov. Vest. TSNII MPS 21 no. 8:40-43 '62.

RAILROADS, NARROW GAUGE

On a narrow-gauge section. R. I. A. Nukka. Put' i put. khoz. 6 no. 11:22 '62.

RAIN AND RAINFALL

(see also subdivision under Amur Valley; Carpathian Mountains; Siberia; Western; Ukraine)

Methodology of determining the calculated parameters of effective rainfalls in the forest-steppe and steppe zones of the European part of the U.S.S.R. I. F. Goroshkov. Trudy Len. gidromet. inst. no. 11:255-270 '61.

Theory of showers. V. G. Levich, A. M. Golovin. Dokl. AN SSSR 147 no. 4:829-832 D '62.

RAKITNOE DISTRICT—COOPERATIVE SOCIETIES

How we save boxes and containers. N. Vadenko. Sov. potreb. koop. 6 no. 12:8-9 D '62.

RAKOVSKA, NINA

"Story of a grain" by Nina Rakovska. Reviewed by V. Kostuk. Doshk. vykh. 23 no. 12:40-41 D '62.

RAMAN EFFECT

- Contours and intensities of Raman spectrum lines of xylenes. N. K. Sidorov, L. S. Stal'makhova, L. I. Bratanova. Opt. i spekt. 13 no. 6:783-789 '62.
- Degree of depolarization of Raman spectrum lines as a function of the exciting light frequency. V. A. Zubov. Opt. i spekt. 13 no. 6:861-862 '62.
- Effect of disubstitution on the Raman spectral lines of monosubstituted compounds. K. Venkatesvarlu, S. Jagathesan. Opt. i spekt. 13 no. 6:778-782 '62.
- Effect of solvents on the intensity of resonating Raman spectral lines. K. Venkatesvarlu, S. Jagathesan. Opt. i spekt. 13 no. 6:775-777 '62.
- Raman spectrum and infrared absorption spectrum of liquid deuterated hydrazine N_2D_4 . I. I. Kotov, V. M. Tatevskii. Opt. i spekt. 13 no. 6:855-857 '62.
- Raman spectrum of liquid 1,3-butadiene. I. N. Panchenko and others. Opt. i spekt. 13 no. 6:857-859 '62.
- Relation between Raman spectra and electron absorption spectra. M. M. Sushchinskii, V. A. Zubov. Opt. i spekt. 13 no. 6:766-774 '62.
- Some results of analyzing Uzbek petroleum by the Raman spectrum method. E. G. Burova, G. Kh. Khodzhev. Izv. AN SSSR, Ser. fiz. 27 no. 1:100-101 Ja '63.

RAMENSKOYE DISTRICT—JEWELRY TRADE

- "Fir tree." IU, Alin. Sov. potreb. koop. 6 no. 11:33-34 N '62.

RAMESHKI DISTRICT—AGRICULTURE—STUDY AND TEACHING

- With lecture group. A. Ryzhova. Kul't. pros. rab. 23 no. 7:27 J1 '62.

RAMS see subdivision under Kazakhstan

RANDOM PROCESSES

- Orthogonality and equivalence conditions for Gaussian measures in functional space. V. G. Alekseev. Dokl. AN SSSR 147 no. 4:751-754 D '62.

RAPE

- Some errors in the investigation and trial of rape cases. I. Kukarskii. Sov. iust. no. 1:12 Ja '63.

RARE EARTH ALUMINATES

- Valency of cerium in synthetic and natural cerium aluminates and silicates. Report No. 11: Compounds of the perovskite group. A. I. Leonov. Izv. AN SSSR, Otd. khim. nauk no. 1:6-13 '63.

RARE EARTH METALS

- (see also subdivision under Vishnevyye Mountains)
- Recovery of rare earth metals by the extraction method. I. N. Plaksin, K. F. Barysheva, A. V. Astaf'eva. Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl. no. 6:185-191 N-D '62.

RARE EARTH METALS—SPECTRA

- Composition of the mixture of rare earth elements isolated from perovskite. A. V. Pomerantseva, V. A. Roznichenko. T'itani i ego splavy no. 8:86-88 '62.

RARE EARTH OXIDES

- Effect of the calcining temperature of rare earth oxides on their catalytic activity. L. A. Sazonov, M. G. Logvinenko. Khim. i tekhn. 3 no. 5:761-766 S-O '62.

RARE EARTHS

- (see also subdivision under Yakutia)

- Determination of europium oxide in rare earth oxides by the method of square-wave polarography. B. IA, Kaplan, I. A. Sorokovskaya. Zav. lab. 28 no. 12:1424-1427 '62.
- Some basic problems of the geochemistry of rare earths. L. S. Borodin. Trudy IGMRE no. 9:84-124 '62.
- Trifonov, D. N. [Amazing family of elements] Udivitel'noe semejstvo elementov. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika i khimiya, no. 1)

RASPBERRIES—DISEASES AND PESTS

- (see also subdivision under Bulgaria)

- Raspberry diseases not existing in the U.S.S.R. O. B. Natal'ina. Zashch. rast. ot vred. i bol. 5 no. 11:51-52 N '60.
- Stem canker of raspberries. O. B. Natal'ina. Zashch. rast. ot vred. i bol. 4 no. 5:59 S-O '59.

RATS

- Seasonal changes in the thermal insulation capacity of the fur and the preferred temperature in Norway rats (*Rattus norvegicus* Berkenh.) [with summary in English]. A. A. Shchekina. Zool. zhur. 41 no. 11:1714-1718 N '62.

RAVEL, MAURICE, 1875-1937

- Meetings with Hindemith, Schoenberg, and Ravel. A. Veprik. Sov. muz. 28 no. 12:110-117 D '62.
- Raveliana; on the 25th anniversary of the death of Maurice Ravel. Sov. muz. 26 no. 12:51-63 D '62.

RAYON

- Quantitative determination of the oiling preparation in silk by means of the SF-4 spectrophotometer. A. IA, Rozenberg, G. N. Kuritsina. Khim. volok. no. 6:63-64 '62.
- Three-stage desulfuration of viscose silk. A. IA, Rozenberg, K. IA, Tofina, M. R. Dontsova. Khim. volok. no. 6:50-52 '62.

- Using the OS-20 preparation in the manufacture of viscose fibers. V. P. Telepneva. Khim. volok. no. 6:55-56 '62.

RAYON—DRYING

- Continuous drying and packing of rope-formed staple fibers. B. TS, Ablovskii, B. A. Smukova. Khim. volok. no. 6:53-55 '62.

READING (ELEMENTARY)

- Extracurricular reading lessons in the third grade. G. F. Ivocva. Nach. shkola 30 no. 12:41-42 D '62.
- Work training of first graders during reading lessons. V. S. Endaltsev. Nach. shkola 30 no. 12:31-35 D '62.

REAL EVIDENCE see Evidence, Real

REALISM IN LITERATURE

- Akademika nauk SSSR, Institut mirovoi literatury. [Realism and its relation to other creative methods] Realizm i ego sotsionalizatsionnoe i drugimi tvorcheskimi metodami. Moskva, Izd-vo Akad. nauk SSSR, 1962. 364 p.

REAMERS

- Scrapping hard-alloy reamers. B. V. Romanovskii. Stan. i instr. 33 no. 12:36 D '62.

REARRANGEMENTS (CHEMISTRY)

- Reactions of hydrazine derivatives. Part 35: New type of pyrazoline rearrangement with ring opening. I. I. Grandberg, G. A. Golubeva. Zhur. ob. khim. 33 no. 1:244-247 '63.
- Rearrangement of n-propyl-1-Cl¹⁴ chloride into n-propyl-3-C¹⁴ chloride. O. A. Rentov, T. N. Shatkina. Izv. AN SSSR, Otd. khim. nauk no. 1:195 '63.

REBATES

- Bringing order to trade discounts will consolidate business accounting. V. Lipsits. Sov. torg. 36 no. 12:18-20 D '62.

- Deficiencies in planning and using the fund for goods discounts. E. Fonarev. Fin. SSSR 23 no. 12:37-42 D '62.

RECIDIVISTS

- For a uniform definition of an "atrocious criminal offense committed by a recidivist." Sots. zakon. 39 no. 12:46-50 D '62.

RECLAIMED RUBBER see Rubber, Reclaimed

RECLAMATION OF LAND

- (see also subdivision under Colchis; Fergana; Georgia; Soviet Central Asia; Topar Valley)
- Kulikov, V. I. [Contribution of the residents of Moscow to the reclamation of virgin lands] Vklad moskvlchov v osvoinenie tsennyykh zemel'. [Moskva] Mosk. rabochii, 1962. 80 p.
- Moisture regime of drained, heavy, turf-gley soils with various land-improvement measures. Trudy Gruz NIIGIM no. 21:241-246 '60.
- New method of improving malignant Solonetz soils. A. S. Voznesenskii. Trudy Gruz NIIGIM no. 21:27-36 '60.
- Practice of improving the soda-sulfate Solonetz soils on the right bank of Alazani Valley. V. S. Danielyan, L. V. Chilingarova, A. S. Pyrkov. Trudy Gruz NIIGIM no. 21:77-84 '60.

RECONSTRUCTION see subdivision under Donets Basin

RECORDING INSTRUMENTS

- Recording device with noncontact compensation unit. O. I. Pavlukhin and others. Avtom. i prib. no. 4:80-83 O-D '62.

RECREATION CENTERS

- Young people's cafe; we are concerned about everything. S. Sokolov. Oshcheste. pit. no. 11:4-12 N '62.

RECRUITING AND ENLISTMENT see subdivision under Novosibirsk Province

RED CLOVER—DISEASES AND PESTS see subdivision under Vitebsk Province

RED CLOVER—FERTILIZERS AND MANURES

- Effect of molybdenum on the yield of red clover. G. F. Tret'yakova, Z. P. Antonova. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:235-239 '62.

RED CROSS see subdivision under White Russia

RED SEA—MAGNETIC FIELDS

- Features of the distribution of the magnetic field in the Red Sea. M. M. Ivanov. Geomag. i aer. 2 no. 6:1131-1133 N-D '62.

RED SPIDER see subdivision under Crimea; Georgia; Moscow Province

RED SPIDER—EXTERMINATION

- (see also subdivision under Alma-Ata region; Nakhichevan A.S.S.R.; Uzbekistan)
- Possible chemical and biological measures for controlling the spider mite. M. S. Giliarov. Zashch. rast. ot vred. i bol. 5 no. 7:52-53 J1 '60.

REDUCTION, CHEMICAL

- Acetylenic amino alcohols. Part 3: Reduction of a triple bond. N. M. Libman, S. G. Kuznetsov. Zhur. ob. khim. 33 no. 1:28-35 '63.
- Ring expansion in the reduction of oximes. V. A. Zagorskii, N. V. Dudykina. Zhur. ob. khim. 33 no. 1:322-323 '63.
- Synthesis in the series of furan-containing siliconorganic compounds. Report No. 1: Reduction of furyl-, phenyl-, and thienyl-mercury chlorides by triethylsilane [with summary in English]. E. Lukevics, S. Hillers. Izv. AN Latv. SSR no. 4:99-102 '61.

REDUCTION, ELECTROLYTIC

- Determination of the effective activation energy in the cathodic reduction of quadrivalent cerium in an acid medium. E. M. Schmidt, S. V. Gorbachev. Zhur. ob. khim. 36 no. 12:2795-2798 D '62.
- Electroreduction of anions and adsorption phenomena on a dropping thallium amalgam electrode. A. N. Trumkin and others. Dokl. AN SSSR 147 no. 4:879-881 D '62.
- Electroreduction of methyl acrylate on a Pd-electrode. I. I. Kulakova, A. V. Shashkina. Vest. Mosk. un. Ser. 2: Khim. 16 [1, e. 17] no. 6:43-47 N-D '62.
- Problem of the reducing dimerization of acrylonitrile on a mercury electrode. S. I. Zhdanov, L. G. Feoktistov. Izv. AN SSSR, Otd. khim. nauk no. 1:53-57 '63.
- Reduction and electroreduction of organic substances on platinumized platinum. Part 2: Effect of the composition of electrolyte on the catalytic reduction of allylbenzene. A. D. Semenova, G. P. Khomchenko, G. D. Vovchenko. Vest. Mosk. un. Ser. 2: Khim. 16 [1, e. 17] no. 6:51-54 N-D '62.

REED, JOHN 1897-1920

- Last year of John Reed's life. A. Startsev. Znamia 32 no. 11:219-223 N '62.

- Man who glorified ten days that shook the world. Nauka i zhizn' 29 no. 11:16-17 N '62.

REED PRODUCTS

- Protecting reedwork from decay. A. Birkengof. Sel'. stroit. no. 12:20-21 D '62.

REFLEXES

- Effect of manual training classes on the joint activity of signal systems in students. B. M. Kurbatov. Dokl. APN no. 2:123-127 '62.

- Enterogastric reflex in response to mechanical stimulations. L. I. Seischnik. Vestel AN BSSR, Ser. biol. nav. no. 3:93-97 '62.

REFORESTATION see subdivision under Russia, Northern

REFORMATSKII, ALEKSANDR NIKOLAEVICH, 1864-1937

- Outstanding scientist and pedagogue; on the occasion of the 25th anniversary of A. N. Reformat'skii's death. Khim. v shkole 17 no. 6:16-19 N-D '62.

REFRACTION, DOUBLE

- Optical indicatrix and surfaces of birefringence. V. A. Shamburov. Kristallografiya 7 no. 3:379-380 My-Je '62.

REFRACTOMETER

- The RAS automatic optical electronic refractometer. N. IA, Epstein, A. IA, Shapiro. Avtom. i prib. no. 4: 54-57 O-D '62.

REFRACTORIES INDUSTRY

- (see also subdivision under Zaporozh'ye)

- Decisions of the plenum of the Central Committee of the CPSU are an inspiration for new labor achievements. Ogneupory 27 no. 12:1-14 '62.

- Plan for the expansion of the refractories industry in 1963. Ogneupory 28 no. 1:1-4 '63.

REFRACTORIES INDUSTRY—EQUIPMENT AND SUPPLIES

- Die-cast molds for the manufacture of fire tubes for laboratory kryptol furnaces. P. N. D'iachkov. Trudy Vost. inst. ogneup. no. 2:180-186 '60.

REFRACTORIES INDUSTRY—LABOR PRODUCTIVITY

- Using the method of conventional accounting units for measuring labor productivity in refractory enterprises. A. V. Zhukov and others. Trudy Vost. inst. ogneup. no. 2:170-176 '60.

REFRACTORY CONCRETE

- Refractory concrete for vacuum-distillation furnaces. K. D. Nekrasov and others. Ogneupory 28 no. 1:26-30 '63.

REFRACTORY CONCRETE—TESTING

- Mechanical strength of highly refractory magnesia cements and magnesite-chromite concrete. V. A. Bron, M. V. Medakova. Trudy Vost. inst. ogneup. no. 2:143-161 '60.

REFRACTORY MATERIALS

- (see also subdivision under Great Britain)

- Automatic charging of rotary kilns. IA, G. Gaponov. Ogneupory 28 no. 1:21-22 '63.
- Changes in the total index of light refraction of refractory clays and kaolins, depending on the temperature of their burning. K. K. Strelov, T. F. Raichenko. Trudy Vost. inst. ogneup. no. 2:162-169 '60.

REFRACTORY MATERIALS (Continued)

Effect of admixtures in the initial material on the properties of zirconium dioxide refractories. N. I. Voronin, V. S. Gorodetskii, E. I. Khavkina. *Ogneupory* 28 no. 1:30-35 '63.

Effect of the gaseous phase in the firing of magnesite (mixtures with acid additions). I. A. Ivanov. *Ogneupory* 27 no. 12:545-552 '62.

"Graphite refractories" by N. A. Golushko. Reviewed by L. A. Tseitlin. *Ogneupory* 28 no. 1:47-48 '63.

In the All-Union Refractories Section of the Central Administration of the Scientific Technological Society of Ferrous Metallurgy. A. K. Karklit. *Ogneupory* 27 no. 12:570-571 '62.

Interaction of refractories with manganese steel. V. A. Bron, M. I. Dneprova, N. A. Sanok. *Trudy Vost. inst. ogneup.* no. 2:83-100 '60.

Manufacture of refractory fibers in foreign countries (from foreign journals). L. F. Iankelev. *Ogneupory* 27 no. 12:572-573 '62.

Refractories of clays from the group of Barzas deposits in Kemerovo Province. Z. S. D'kachkova, I. P. Duvanova. *Trudy Vost. inst. ogneup.* no. 2:45-58 '60.

Repairing hearth bottoms in open-hearth furnaces. E. F. Kosolapov, I. P. Basyas. *Trudy Vost. inst. ogneup.* no. 2:59-62 '60.

Sintering additives for clays on a basis of metallurgical magnesite powders. P. S. Mamukin, M. N. Kalicheva. *Trudy Vost. inst. ogneup.* no. 2:132-142 '60.

Some characteristics of hearth bottoms in open-hearth furnaces. L. B. Khoroshavin, M. V. Medakova. *Ogneupory* 28 no. 1:23-25 '63.

Stroganov, A. I., A. K. Petrov and B. F. Zverev. [Economy of magnesite in steel smelting] *Ekonomika magnesi- ta v staloplavil'nom proizvodstve*. [Cheliabinsk] Chelabinskoe knizhnoe izd-vo, 1962, 14 p.

Use of caustic magnesite dust for the production of metallurgical powder. V. A. Bron and others. *Trudy Vost. inst. ogneup.* no. 2:6-26 '60.

REFRACTORY MATERIALS—BIBLIOGRAPHY see Bibliography—Refractory materials

REFRACTORY MATERIALS—PERMEABILITY

Determination of gas penetrability in refractory products [from "Archiv für das Eisenhüttenwesen," no. 10, 1966]. I. U. P. Dyban'. *Ogneupory* 28 no. 1:46 '63.

REFRACTORY MATERIALS—TESTING

Determining the weight by volume and density variations of a glass bar by the absorption of gamma rays. E. V. Levintovich and others. *Ogneupory* 28 no. 1:17-21 '63.

Dynamic method of determining the elasticity modulus of refractories at high temperatures and the automatic control of testing. M. N. Bluvastein, G. I. TSikolin, Z. K. Zytkova. *Ogneupory* 28 no. 1:13-17 '63.

Rapid method of determining calcium oxide in dunit and forsterite. N. M. Bespalov. *Ogneupory* 27 no. 12:569 '62.

Rapid method of determining the content of burning-out additives in the production of certain lightweight refractories. V. D. TSigler, L. S. Chursina. *Ogneupory* 27 no. 12:555-557 '62.

Strength of certain refractories at high temperatures. M. D. Shecheglova, S. I. Shecheglov. *Ogneupory* 27 no. 12:566-567 '62.

Studying conditions of service and the character of roof failure in electric steel smelting furnaces. M. N. Kalicheva, N. I. Fadeeva. *Trudy Vost. inst. ogneup.* no. 2:101-117 '60.

Studying phase constitution and structure of laboratory specimens imitating the composition of open-hearth furnace bottoms. V. A. Bron. *Ogneupory* 28 no. 1:35-42 '63.

REFRIGERATION AND REFRIGERATING MACHINERY

Actual processes of the absorption lithium bromide refrigerating machine. M. S. Karnaukh. *Khol. tekhn.* 39 no. 6:16-20 N-D '62.

Development of refrigeration in the U.S.S.R. during the period from 1959 to 1961. I. M. Geller. *Khol. tekhn.* 39 no. 6:1-8 N-D '62.

Improve the supplying of the population with refrigerated meat. I. Buzdin. *Mias, ind. SSSR* 33 no. 6:23-26 '62.

Investigating the two-position control systems of refrigerating plants. V. S. Uzhanskii. *Khol. tekhn.* 39 no. 6:31-37 N-D '62.

Kolenko, E. A. [Thermoelectric cooling devices] *Termoelektricheskie okhlazhdaushchie pribory*. Moskva, Izd-vo Akad. nauk SSSR, 1963, 190 p.

Low-temperature freon cascade system refrigerating machinery. E. V. Bekneva. *Khol. tekhn.* 39 no. 6:9-16 N-D '62.

New refrigeration equipment. G. Gamulia, I. El'kin. *Obshchestv. pit.* no. 12:34-36 D '62.

Scientific and technical conference on refrigeration. D. N. Prilutskii. *Khol. tekhn.* 39 no. 6:63-66 N-D '62.

Vapor jet 12E and 14E refrigerating machines. K. I. Krylov. *Khol. tekhn.* 39 no. 6:70-72 N-D '62.

REFRIGERATION AND REFRIGERATING MACHINERY—CONGRESSES

Session of the International Institute of Refrigeration in Washington. D. G. Rintov. *Khol. tekhn.* 39 no. 6:59-62 N-D '62.

REFRIGERATION ON SHIPS

"Ship refrigerating machinery and plants" by V. F. Volkov, A. I. Chichenev. Reviewed by I. V. Tarabrin. *Khol. tekhn.* 39 no. 6:58 N-D '62.

REFRIGERATOR CARS

Experimental rail transportation of apricots and grapes. P. A. Alekseev, V. A. Nikitin, L. S. Rossoskii. *Khol. tekhn.* 39 no. 6:46-50 N-D '62.

Experimental rail transportation of tomatoes. N. P. Chokmareva. *Khol. tekhn.* 39 no. 6:50-52 N-D '62.

REFRIGERATORS

Astatic stepped regulation of the boiling temperature. L. V. Kolomenskii. *Khol. tekhn.* 39 no. 6:36-37 N-D '62.

Refrigerator. *Nauka i zhytlya* 12 no. 7:57-58 Ji '62.

REFRIGERATORS—TESTING

Effect of the superheating of the vapor flowing from the evaporator on the performance of small refrigerating machinery. V. M. Shavra. *Khol. tekhn.* 39 no. 6:20-27 N-D '62.

REFUGEES—LEGAL STATUS, LAWS, ETC.

Rusako-amerikanskii soluz zaschity i pomoshchi rusekhn vnc SSSR. [A memorandum on basic problems concerning the present-day legal status of Russian political refugees] Memorandum; osnovnye voprosy pravovogo ustroenia russkoi emigratsii v nastoiashchee vremia. New York, Izd. Iuridicheskoi Komissii Soluza, 1949, 7 p.

REFUGEES, ARABIC

Solution of a problem? Kennedy's plan for Palestine. Ismail Abdul Rahman. *Vsem. stud. nov.* 16 no. 5/6: 12 My-Je '62.

REFUGEES, UKRAINIAN

(see also subdivision under United States)

Current problems. M. Lomats'kyl. *Zhytlya i shkola* 8 no. 10/12:10-12 O-D '62.

We should preserve our national characteristics. I. Bodnaruk. *Zhytlya i shkola* 8 no. 10/12:7-10 O-D '62.

REFUGEES, UKRAINIAN—POLITICAL ACTIVITIES

Ilytzyk, Roman. [The Organization of Ukrainian Nationalists in the Ukraine. The Organization of Ukrainian Nationalists abroad and the Foreign Bureau of the Organization of Ukrainian Nationalists; a history of the organization of the Ukrainian nationalist movement] *Organizatsiia ukrains'kykh natsionalistiv v Ukraini. Organizatsiia ukrains'kykh natsionalistiv zakordonom i ZChOU; pryehynok do istorii ukrains'koho natsionalisticheskoho rukhu*. New York [Yud. Politychni rady odno- dumstiv OUN v SSHA] 1962, 116 p.

(InU)

REFUSE AND REFUSE DISPOSAL

"Refuse pipes. Instructions for carrying out and inspecting construction and assembly operations." *Hul. stroit. tekhn.* 19 no. 12:7-8 D '62.

REGENERATION (BIOLOGY)

Dynamics of the regeneration process in experimental glomerulonephritis. V. V. Zhukov. *Sbor. trud. inst. khir. AMN SSSR* no. 1:84-99 '62.

Forms of regenerative reaction and the reversibility of sclerotic changes in the internal organs. D. S. Sarkisov. *Sbor. trud. inst. khir. AMN SSSR* no. 1:108-108 '62.

Kuznetsov, N. N. [Heteroperitoneal preparations in experiment and in the clinic] *Heteroperitoneal'nye preparaty v eksperimente i klinike*. Kishinev, Karta moldoveniansko, 1962, 154 p.

(DNLM MICROFILM)

Methods for the regeneration of the thyroid gland. A. A. Volkovich. *Dokl. AN SSSR* 147 no. 4:977-980 D '62.

Role of individual molecule groupings of N-dechloroacetyl-D, L-serine in its biological activity. G. L. Zhdanov and others. *Dokl. AN SSSR* 147 no. 6:1510-1511 D '62.

REGENERATION (BOTANY)

Regenerative capacity of potatoes. P. A. Khizhniak, S. I. Pashkar'. *N. N. Iakovleva, Zashch. rast. ot vred. i bol.* 5 no. 7:47-48 Ji '60.

REGIONAL PLANNING

(see also subdivision under Yaroslavl Province)

Akademii stroitel'stva i arkhitektury SSSR. Institut gradostroitel'stva i regional'noi planirovki. [City and regional planning] *Gradostroitel'stvo i regional'naia planirovka; sostoianie i perspektivy razvitiia*. Pod red. V. A. Shkvarikova. Moskva, Gosstroizdat, 1962, 142 p.

REHABILITATION

Endurance test. A. Malinovskii, E. Poring. *Mol. komm.* no. 12:88-92 D '62.

Figures, facts, and examples. *Sots. obsap.* 23 no. 12: 47-49 D '62.

REHABILITATION OF CRIMINALS

Alone? (conclusion). R. Aleksandrov, V. Mikhatlov. *Sots. zakon.* 39 no. 12:51-58 D '62.

REINFORCED CONCRETE

Anticorrosive bitumen coatings for reinforcing bars in oil-shale ash concrete [with summary in German]. N. Dilaktorskii, L. Oit, A. Bel'chenko. *Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk* 11 no. 4:296-302 '62.

REINFORCED CONCRETE—CONGRESSES

Nauchnoe soveshchaniie po armirovaniu i armirovannym konstruktsiiam. Leningrad, 1961. [Materials of the Scientific Conference on Mesh-Reinforced Concrete and Mesh-Reinforced Concrete Elements] Materialy. Moskva, Gosstroizdat, 1962, 266 p.

[MICROFILM]

REINFORCED CONCRETE CONSTRUCTION

Approximate calculation of short eccentrically compressed symmetrically reinforced posts considering the creep of concrete. R. A. Kotikian. *Izv. AN Arm. SSR. Ser. tekhn. nauk* no. 4:67-69 '61.

Basic objectives of the theory of reinforced concrete for the next twenty years. A. A. Gvozdev. *Izv. ASIA* 4 no. 4:3-6 '62.

Making staircases and landings in vertical molds. A. Ostrovskii. *Stroi. i arkh.* 10 no. 1:38 Ja '62.

REINSTATEMENT OF EMPLOYEES see Employees, Reinstatement of

RELATIVITY (PHYSICS)

Bogorodskii, A. F. [Einstein's field equations and their use in astronomy] *Uravneniia polia Einsteina i ikh primeneniia v astronomii*. [Kiev] Izd-vo Kievskogo univ., 1962, 195 p.

Laboratory test of the general theory of relativity. V. V. Miller. *Dokl. Akad. fiz.* no. 6:165-173 '62.

The theories of Einstein and Lorentz [with summary in English, p. 183]. P. G. Kard. *Vop. filoz.* 17 no. 1:78-89 '63.

RELIGION

Does religion give consolation? Mikhail Krutik. *Sem'ia i shkola* 17 no. 9:30-32 S '62.

The end of a prayer house. Viktor Polynin. *Sov. profsoyuzy* 18 no. 24:31-33 D '62.

RELIGION—BIBLIOGRAPHY see Bibliography—Religion

RELIGION—CONTROVERSIAL LITERATURE

How to study the theme "Present-day religions and their reactionary nature." V. Laptinok. *Komm. Bel.* 36 no. 12:51-56 D '62.

RELIGION AND SCIENCE

Preparatory labors for a three-volume treatise on "Science against religion." A. I. Ardob'ev. *Vest. AN SSSR* 33 no. 1:109-110 Ja '63.

Scientific and religious world outlook. P. Protasenka. *Komm. Bel.* 36 no. 11:55-60 N '62.

RELIGION AND WAR see War and religion

REMBRANDT, HERMANZOOON VAN RIJN, 1606-1660

Contribution made by D. A. Rovinskii and N. S. Mosolov to the study of Rembrandt. E. I. Smirnova. *Soob. GMI* [no. 1]:64-69 '60.

REMOTE CONTROL

Analyzing the operating conditions of some transistorized synchronous filters-generators. A. P. Motarenko. *Nauk. pratsi asp. UASTN* no. 5:258-267 '60.

Device for remote control of elevator mechanisms. V. Polinovskii, E. Frolovich. *Muk.-elev. prom.* 28 no. 10:5-8 O '62.

Experimental radio system for remote control of bridge cranes. L. V. Saulova and others. *Avtom. i prib.* no. 4:13-17 O-D '62.

Fuktorovich, Iu. A. [Remote control in construction] *Dispozitsionno upravleniie v stroitel'stve*. Izd. 2., perer. i dop. Moskva, Gosstroizdat, 1962, 202 p.

Remote control with wire broadcasting stations. M. Zaimskikh. *Voen. znani.* 39 no. 1:33 Ja '63.

Remote controlled start and servicing of the steam ejectors of block-type systems. I. Z. TSyrkin, G. V. Mikulich. *Energetik* 10 no. 12:13-14 D '62.

Some operational indices of block-type remote control devices. M. I. Lanin. *Sbor. rab. po vop. elektromekh.* no. 7:270-277 '62.

Stoliarov, Iu. S. [Automation and remote control in the work of young technologists] *Avtomatika i telemekhanika v tvorchestvo lunnykh tekhnikov*. Moskva, Izd-vo DOSAAF, 1962, 105 p.

Volotkovskii, S. A., and others. [Remote control and communications in mining] *Rudnichnaya telemekhanika i svyaz'*. [By] V. A. Bun'ko i dr. Moskva, Gosgortekhtizdat, 1962, 258 p.

RENSBURG, GERMANY—TUNNELING

Construction of a tunnel under the Kiel Canal (from "Engineer," no. 5529, 1962). I. S. Voitenko. *Transp. stroit.* 12 no. 12:55 D '62.

RENT (ECONOMIC THEORY) see subdivision under Latvia

REPARATION

Compulsory exaction of adjudged sums in cases concerning the unjust enrichment of the perpetrators of criminal offenses. B. Zakharina, L. Kozak. Sots. zakon. 40 no. 1:40-51 Ja '63.

Judicial rulings on compensation for loss caused to governmental agencies and cooperative societies must be enforced. I. Bachilenko. Sots. zakon. 40 no. 1:61-62 Ja '63.

We should ensure compensation for damage caused by the pilferage and embezzlement of socialist property. G. Asinskiy. Sots. zakon. 40 no. 1:21-24 Ja '63.

REPETEK—GEOGRAPHICAL RESEARCH

The Repetek Research Station; on the 50th anniversary of its establishment. N. Iagdyev, S. Veilsov. Vest. Mosk. un. Ser. 5:Geog. 17 no. 4:76 JI-Ag '62.

REPIN, IL'IA EFIMOVICH, 1844-1930

Davydova, A. S. [The Zaporozhians; the painting by I. E. Repin] Zaporozhtsy; kartina I. E. Repina. Moskva, Iskusstvo, 1962. 63 p. illus., plates (part, col. and mount.) (Sokrovishcha mirovogo iskusstva) (MH)

Fate of a chef-d'oeuvre. A. Varshavskiy. Znan. - sila 37 no. 10:52-55 O '62.

Il'yashovskaya, O. A. Il'ia Efimovich Repin. Moskva, Iskusstvo, 1962. 382 p. illus. (Zhivopis', skulptura, grafika; monografiy)

REPKI DISTRICT—CRIME PREVENTION

Our common efforts to eliminate criminal offenses in our district. Sh. Rubin. Sots. zakon. 40 no. 1:54-56 Ja '63.

RESEARCH

(see also subdivision under Latvia; Ukraine; Uzbekistan)

Akademii nauk SSSR, Obshchee sobranie. [The building of communism and the social sciences] Sloitel'sto kommunizma i obshchestvennye nauki; materialy sessii Obshchego sobrania Akademii nauk SSSR, 19-20 oktyabrya 1962 g. Moskva, Izd-vo Akad. nauk SSSR, 1962. 307 p.

Concerning the resolutions passed at the November 1962 Plenum of the Central Committee of the CPSU. Fiz. i tekhn. 5 no. 1:1-11 Ja '63.

Foreword. Dos. such. fiz. no. 6:3-7 '62.

RESEARCH, INDUSTRIAL

(see also subdivision under Communist Countries; Czechoslovakia; Kirov Province; Rostov Province; Uzbekistan)

Application of scientific achievements in production; experience gained by the Academy of Sciences of the Ukrainian S. S. R. G. S. Pisarenko. Vest. AN SSSR 33 no. 1:45-50 Ja '63.

In the Laboratories and Institutes of the U. S. S. R. Tekh. mol. 30 no. 12:35 '62.

In the State Committee of the Council of Ministers of the R. S. F. S. R. for the Coordination of Research Work. Masl. - zhir. prom. 28 no. 12:40-42 D '62.

The most important objective of the community. M. Popov. NTO 4 no. 9:6-7 S '62.

Principal scientific problems of technological progress. A. A. Blagonravov. Vest. AN SSSR 33 no. 1:3-10 Ja '63.

Results of creative cooperation. N. Dubrov, V. Levitin. NTO 4 no. 9:17-18 S '62.

Twenty-first Plenum of the Learned Council of the All-Union Scientific Research Institute of Fats. V. A. Ivanov. Masl. - zhir. prom. 28 no. 12:39-40 D '62.

RESEARCH, INDUSTRIAL—FINANCE

Business accounting and designing work. V. Chernyshev. Plan. khoz. 39 no. 12:89-90 D '62.

Financing work on technological innovations. A. Kovaleva. Plan. khoz. 39 no. 12:72-78 D '62.

RESEARCH LIBRARIES

see subdivision under Krasnodar; Leningrad

RESERVOIRS

Eroding away of the shores of one of the small reservoirs. N. G. Varazashvili, I. G. Tregubova. Trudy Gruz NIIGM no. 21:203-208 '60.

Underwater antiseepage screening in reservoirs. G. V. Avelishvili, V. V. Vasil'ev, N. A. Kerner. Trudy Gruz NIIGM no. 21:309-316 '60.

RESERVOIRS—COST OF CONSTRUCTION

Lowering the investment in the creation of reservoirs of large hydroelectric power stations. A. P. Borisov. Gidr. stroi. 33 no. 12:25-26 D '62.

RESINS

see Gums and resins

RESINS, SYNTHETIC

Additional raw material sources for the manufacture of urea-phenol-formaldehyde resins used in wood gluing. A. G. Zbrodskiy. Der. prom. 11 no. 12:3-4 D '62.

Methods for controlling re-esterification reactions. R. S. Barshtein, N. D. Meshkova. Plast. massy no. 11:63-64 '62.

Modifiers of alkyd resins (from "Paint Varn. Prod., no. 3, no. 2, 1962). B. M. Dubrova, Lakokras. mat. i ikh prim. no. 6:83-85 '62.

Sensitized formation of ion radicals of aromatic amines in the radiolysis of frozen organic glasses. Kh. S. Bagdasarian, Z. A. Stitsyna. Dokl. AN SSSR 147 no. 6:1306-1308 D '62.

Synthesis of pentaphthalic resins modified with n-tert-butylbenzoic acid and manufacture of paint materials on their base. V. N. Izumov. Lakokras. mat. i ikh prim. no. 6:3-6 '62.

RESITA, RUMANIA—IRON AND STEEL PLANTS

Flaming fortress. Nauka i zhizn' 20 no. 11:37-38 N '62.

RESORCINOL

Synthesis of 4-substituted dihydroresorcinols. A. N. Kost, L. G. Ovseneva. Zhur. ob. khim. 32 no. 12:3903-3906 D '62.

RESPIRATION

Mikhailov, V. V. [Sports and respiration] Sport i dykhanie. Moskva, Izd-vo "Fizkul'tura i sport," 1961. 47 p. (Biblioteka sportmena)

RESTAURANT MANAGEMENT

(see also subdivision under Lvov)

Letters from a Workers' Supply Organization. Obshchestv. pit. no. 11:13-15 N '62.

Potentials for price reduction. V. Roizman. Obshchestv. pit. no. 12:56-59 D '62.

The rated turnover should be taken as the base of planning. A. Artem'ev. Obshchestv. pit. no. 12:53-55 D '62.

Readers discuss the role of the chief cook in production. I. A. Magidov, R. Filipenko, K. Evgen'ev. Obshchestv. pit. no. 11:20-21 N '62.

RESTAURANTS, LUNCHROOMS, ETC.

(see also subdivision under Kerch; Moscow; Moscow Province; Rostov Province; Saraya Sinyaya; Tyachev District; Ukraine)

Five hundred specialized enterprises. V. Kuznetsov. Obshchestv. pit. no. 11:42 N '62.

From our mail. Obshchestv. pit. no. 12:33 D '62.

Letters to the editor. Obshchestv. pit. no. 11:43 N '62.

"New developments in food serving enterprises," Reviewed by G. Zastenker. Obshchestv. pit. no. 12:7 D '62.

On the ground and in the air. S. Nekrasova. Obshchestv. pit. no. 11:60-61 N '62.

Prospective development of public-food service. G. Korovkin. Sov. torg. 36 no. 11:48-53 N '62.

RESTAURANTS, LUNCHROOMS, ETC.—ACCOUNTING

Accounting for the results of the managerial and financial operations of enterprises. G. Dundukov. Obshchestv. pit. no. 11:50-54 N '62.

Basic principles of accounting for the production and for its use. S. Kapelush, A. Kashnev. Obshchestv. pit. no. 12:49-53 D '62.

RESTAURANTS, LUNCHROOMS, ETC.—DESIGN AND CONSTRUCTION

Study gained experience, coordinate the operations; designer's notes. V. Khrenov. Obshchestv. pit. no. 12:43-45 D '62.

RESTAURANTS, LUNCHROOMS, ETC.—EMPLOYEES

Stand up for the worker's honor. Obshchestv. pit. no. 12:1-2 D '62.

RESTAURANTS, LUNCHROOMS, ETC.—EQUIPMENT AND SUPPLIES

Classification of heating and cooking equipment. Obshchestv. pit. no. 12:30-41 D '62.

Completely equipped counter. A. Leshchinskii, E. Torzhkov. Obshchestv. pit. no. 11:38-39 N '62.

Gas oven for baking and frying. B. Kharmats, V. Trubko. Obshchestv. pit. no. 11:34-37 N '62.

New equipment standards for food serving enterprises. G. Petrov. Obshchestv. pit. no. 11:39-42 N '62.

RESTAURANTS, LUNCHROOMS, ETC.—LABOR PRODUCTIVITY

see subdivision under Moscow

RESTAURANTS, LUNCHROOMS, ETC.—PRODUCTION STANDARDS

Measurement of labor productivity. I. Golovaty. Obshchestv. pit. no. 11:46-50 N '62.

RESUSCITATION

Heart beats again. S. L. Levitin, E. A. Luzhnikov. Sov. Kras. kreit 12 no. 4:22 JI-Ag '62.

RETAIL TRADE

(see also subdivision under Archangel Province; Balashov; Tajikistan; Velikiye Luki; Virgin Territory; Volgograd; Voronezh Province)

The auditing group should constitute a part of the accounting section. A. Iamryshko, N. Sergeev. Sov. torg. 36 no. 11:30-32 N '62.

"Economics of commerce," Reviewed by N. Vasenin. Sov. torg. 36 no. 11:44-46 N '62.

First steps. E. Grishaeve. Sov. deput. trud. no. 6:59-62. Je '62.

Network of trade enterprises is expanding. Sov. potreb. koop. 6 no. 12:47 D '62.

[Trade abroad; organization, new methods, and equipment of trade and public food service] Torg. za rub.; org., nov. melody, tekhn. torg. i massa. pit. no. 2 '63.

RETAIL TRADE—ACCOUNTING

(see also subdivision under Berdiansk; Moscow) Calculate the volume of the turnover of goods correctly. I. Gorodishter. Sov. torg. 36 no. 12:50-52 D '62.

More on the accounting for vending machine work.

V. Smirnov. Sov. torg. 36 no. 11:55-56 N '62.

RETAIL TRADE—AUDITING AND INSPECTION

(see also subdivision under White Russia)

Centralization is not necessary. I. A. Sokolov. Sov. torg. 36 no. 11:34 N '62.

Every store should have inspectors. M. Neaterov. Sov. torg. 36 no. 11:35-36 N '62.

Let's bring interdepartmental control closer to the enterprise. L. Osnovina. Sov. torg. 36 no. 11:33-34 N '62.

RETAIL TRADE—FINANCE

Bringing order to trade discounts will consolidate business accounting. V. Lipitsa. Sov. torg. 36 no. 12:18-20 D '62.

Deficiencies in planning and using the fund for goods discounts. E. Fonarev. Fin. SSSR 23 no. 12:37-42 D '62.

RETAIL TRADE—PRICES

An important means of price control. G. Kabko. Sov. torg. 36 no. 12:20-22 D '62.

RETICULO-ENDOTHELIAL SYSTEM—CANCER

Case of lymphogranulomatosis with degeneration into reticulosarcoma in a 4-year-old child. G. M. Shatskaya, B. V. Savinich. Vop. okh. mat. i det. 7 no. 9:84-86 S '62.

RETTING

Quality of flax fiber obtained by spreading flax straw in strips of various width by modified combines. M. D. Polezhaeva. Shor. stud. nauch. -issl. rab. TSKHA no. 11:73-80 '62.

REUT VALLEY (MOLDAVIA)—HYDROLOGY

Features of the hydrography and hydrology of the Reut River basin. V. N. Vorina. Uch. zap. Tifl. gos. ped. inst. no. 9:111-146 '60.

REVIVAL SERMONS

see Evangelistic sermons

REWARDS (PRIZES, ETC.)

Awards to participants in the Exhibition of Achievements of the National Economy of the U. S. S. R. Doslik. vykh. 23 no. 10:45 O '62.

REZA SHAH, SHAH OF IRAN, 1878-1944

Mohammad Reza Shah, Shah of Iran, 1910- [The Great Reza Shah] Velikiy Reza Shahh. [n. p. n. d.] 24 p.

Rh FACTOR

Study of group and Rh factors in maternal and fetal blood [with summary in English]. G. D. Kymanova. Vop. okh. mat. i det. 7 no. 9:56-60 S '62.

RHENIUM

Mechanism of the plastic deformation of rhenium with various degrees of purity. E. M. Savitskiy, G. F. Chuprikov. Izv. AN SSSR, Old. teld. nauk. Met. i topl. no. 6:167-170 N-D '62.

Rhenium as a metal of the new technology. M. A. Tykina. Priroda 62 no. 1:111-112 '63.

Welding molybdenum with an addition alloying of the weld metal by rhenium. V. V. D'achenko and others. Svar. proizv. no. 7:1-4 JI '62.

RHENIUM CARBONYL

Manganese-rhenium decarbonyl (Co)₅Mn-Re(CO)₅. O. A. Reutov, T. N. Shatkina. Izv. AN SSSR, Old. khim. nauk no. 1:104-105 '63.

RHENIUM COMPOUNDS

New method of synthesizing (cyclopentadienyl) rhenium tricarbonyl. A. N. Nesmejanov and others. Izv. AN SSSR, Old. khim. nauk no. 1:193-194 '63.

RHEOLOGY

Application of rheological analysis in the processing of thermoplastics. V. I. Bukhgalter, E. E. Severovostokova. Plast. massy no. 12:32-36 '62.

Effect of the electric field on the rheological properties of nonaqueous plastic disperse systems [with summary in English]. I. U. F. Dainega, G. V. Vinogradov, Koll. zhur. 24 no. 6:667-673 N-D '62.

Flow of a cable plasticate based on polyvinyl chloride. S. I. Klaz, E. E. Glukhov. Plast. massy no. 11:26-30 '62.

RHEUMATIC FEVER

Data on a study of the activity of the rheumatic process in children. T. N. Nikonova. Zdrav. Kazakh. 22 no. 7:34-38 '62.

Importance of antistreptokinase in rheumatism. Kh. I. Melamed, I. M. Gabrilovich. Zdrav. Bel. 8 no. 12:19-22 D '62.

RHEUMATIC HEART DISEASE

Ballistocardiogram of patients suffering from rheumatic heart disease [with summary in English]. L. L. Orlov, I. I. Akimov, V. D. Fedorov. Vop. kard. 2-go MGMI no. 2:155-176 '62.

RHEUMATIC HEART DISEASE (Continued)

Electrocardiogram of patients suffering from rheumatic heart disease [with summary in English]. IU, I. Akinov. Vop. kard. 2-go MGMI no. 2:53-59 '62.

Gvantseladze, V. S. [Reactivity of the child's body in rheumatism] O reaktivnosti detskogo organizma pri reymatizme. Red. I. V. Dzhanvakhishvili. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 125 p. (DNLM)

RHINOCEROS, FOSSIL

Amyndont Cadurcodon zaisanensis sp. nov. E. I. Bellaeva. Paleont. zhur. no. 4:116-123 '62.

RHIZOBIUM

Transformation of clover nodule bacteria [translated from the English]. G. Ljunggren. Agrobiologiya no. 6:814-816 N-D '62.

RHIZOSPHERE MICROBIOLOGY

Dissolution of aluminum silicates in the rhizosphere of forest stands [with summary in English]. G. A. Kulai. Izv. AN SSSR, Ser. biol. no. 6:915-920 N-D '62.

Effect of root microflora on the activity of physiological processes in plants. E. Kh. Reoppe, O. G. Galtanova. Agrobiologiya no. 6:866-878 N-D '62.

RHODAMINE—SPECTRA

Rhodamine 6G association in ethanol and glycerin solutions. E. G. Baranova. Opt. i spekt. 13 no. 6:801-808 '62.

RHODESIA, NORTHERN—EDUCATION

Education in Northern Rhodesia is just for the few. V. N. Masuku. Vsem. stud. nov. 16 no. 5:6:8-10 My-Je '62.

RHODESIA, SOUTHERN—POLITICS AND GOVERNMENT

One man, one voice! Joshua Mkaluko Nkomo. Az. i Afr. seg. no. 1:31-32 Ja '63.

RHODESIA AND NYASALAND—POLITICS AND GOVERNMENT

Welensky's federation in ruins. IU, Aizman. Nov. vrem. 20 no. 7:8-10 F '63.

RHODIUM

Nonuniformity of thermoelectrode platinum and platinum-rhodium wires. B. K. Bragin. Trudy Inst. Kom. stand., mer i izm. prib. no. 51:83-88 '61.

RIBOFLAVIN

Effect of increased rates of riboflavin on the weight gain of chicks. O. A. Garbuzova, P. P. Mizgunova, M. D. Shevchenko. Sbor. stud. nauch. -issl. rab. TSKHIA no. 11:331 '62.

RICE—DISEASES AND PESTS

(see also subdivision under Burma)

Two conferences abroad. D. D. -Z. Zashch. rast. ot vrad. i bol. 5 no. 11:62-63 N '60.

RICE—FERTILIZERS AND MANURES

see subdivision under California

RICKETS

On rickets. E. Zabludovskaya. Doshk. vosp. 35 no. 10: 84-88 O '62.

Radiography of the bones of young animals affected with rachitis [with summaries in English, German, and French]. M. I. Abramov. Vest. sel'khoz. nauki 7 no. 10:98 O '62.

RICKETTTSIA

Isolation of Rickettsia burneti from the blood of Q fever patients. L. D. Vasil'eva. Trudy Len. inst. epid. i mikrobiol. 20:43-57 '59.

Survival of Rickettsia burneti in the organism of a bedbug; experimental materials. N. I. Amosenkova, A. B. Dafter. Trudy Len. inst. epid. i mikrobiol. 20: 80-88 '59.

RICKETTTSIAL DISEASES

Complement fixation reaction in the diagnosis of Q rickettsiosis in animals. L. D. Vasil'eva. Trudy Len. inst. epid. i mikrobiol. 20:58-61 '59.

RIDDLES, ARMENIAN

Unknown riddles of Nerses Shnorali [in Armenian with summary in Russian]. G. A. Akopian. Ist. -filol. zhur. no. 4:105-114 '62.

RIFLE PRACTICE

(see also subdivision under Bryansk)

Rapid fire from an army rifle. Voen. znan. 30 no. 1:20 Ja '63.

RIGA—BAKERS AND BAKERIES

Only one person serves a conveyor. A. Murnak. Nauka i zhytita 12 no. 7:39 Ji '62.

RIGA—COMMUNIST YOUTH LEAGUE

Together we are stronger. IU, Podkovyrin. Komsom. zhizn' no. 21:16-17 N '62.

RIGA—CONFECTIONERY

A year of work under the banner of communist labor. A. F. Svarinskii. Khleb. i kond. prom. 6 no. 12:1-3 D '62.

RIGA—HISTORY

"Origin of Riga and the early Hanseatic merchant" [in German] by Fr. Benninghoven. Reviewed by V. Doroshenko. Izv. AN Latv. SSR no. 8:141-147 '62.

RIGA—KINDERGARTENS

Our collective. S. Shiriaeva. Doshk. vosp. 35 no. 10: 23-24 O '62.

RIGA—LIBRARIES

Latvijas Padomju Socialistiskas Republikas Zinatnu akademijs. Fundamentala biblioteka. [Fundamental Library of the Latvian Academy of Sciences; a guide-book] Fundamentālā naia biblioteka Akadēmijā nauk Latvīskot SSR; spravochnik. Riga, Izd-vo Akad. nauk Latvīskot SSR, 1960. 64 p. (NNC)

RIGA—METAL-CUTTING TOOLS

Relay of mastership. S. Aslezov. NTO 4 no. 9:30-31 S '62.

RIGA—RAILROAD RESEARCH

Car builders have their own research center. M. Hlaskov. Nauka i zhytita 12 no. 7:32 Ji '62.

RIGA—SERVICE INDUSTRIES

They pursue the same goal. A. Sokolov. Mest. prom. i khud. promys. 3 no. 11:15 N '62.

RIGA—SHIPS—MAINTENANCE AND REPAIR

Man of a winged thought. H. Mordel'. Nauka i zhytita 12 no. 7:15-16 Ji '62.

RIGAS JURNALA—GUIDEBOOKS

Rigas Jurnals. [n. p.] DFSB "Sparlaks" Latvijas Republikaniskas Padomes centrālā turisma sekcija [1960?] 79 p. [In Latvian]

[PHOTOCOPY]

RIGHT OF PROPERTY

Time of the transition of property rights in the alienation of buildings. P. Nikituk. Sots. zakon. 40 no. 1:59-61 Ja '63.

RIMSKII-KORSAKOV, NIKOLAI ANDREEVICH, 1844-1908

The chromatic scale as the most characteristic type of diminished chord in the compositions of N. A. Rimskii-Korsakov. I. A. Tit'manov. Nauch. -metod. zap. Sar. gos. konser. no. 4:3-51 '61.

RINGS (ALGEBRA)

Special moduli and special radicals. V. A. Andrunakovich, IU, M. Riabukhin. Dokl. AN SSSR 147 no. 6:1274-1277 D '62.

RINGWORM

"Efiran III," a new preparation for the treatment of trichophytosis in cattle. M. K. Ganlev and others. Trudy Azer. nauch. -issl. vet. inst. 13:191-197 '62.

RIO DE JANEIRO—BOOKSELLERS AND BOOKSELLING

Books bring people together. Oleg Ignat'ev. Sov. knizh. torg. 14 no. 12:44 D '62.

RITMAN, ISAILA ARONOVICH, 1901-1962

I. A. Ritman; obituary. Kozh. -obuv. prom. 4 no. 12:36 D '62.

RITTER, GERHARD, 1888-

An article which excites G. Ritter's ideas. D. A. Kamenetskii. Vop. ist. 38 no. 1:177-179 Ja '63.

RIVERS

(see also subdivision under Issyk-Kul' region;

Soviet Central Asia; Trans-Ili Ala-Tau)

Role of the depth of flow in raising the resistance to washout of soils constituting the river bed subjected to erosion by the stream. TS, E. Mirtskhulava, R. G. Danellin. Dokl. AN SSSR 147 no. 6:1437-1440 D '62.

ROAD CONSTRUCTION—SAFETY MEASURES

Pool, V. I. [Handbook on accident prevention for the paver in road work] Pamiatka po tekhnike bezopasnosti dlia mostovoschchika na dorozhnykh rabotakh. Moskva, Gosstroizdat, 1962. 14 p. (Tekhnika bezopasnosti v stroitel'stve)

ROAD GRADERS

see Graders (Earthmoving machinery)

ROAD MACHINERY

Choosing automatic equipment for road construction bases. M. D. Merzon, A. P. Liashevich. Stroil. i dor. mash. 7 no. 12:22-23 D '62.

The D-505 semitrailer grader-conveyor. A. I. Ratner. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 12:45-47 '62.

Organization of services for increasing the durability and reliability of construction and road machinery. A. V. Rumiantsev. Stroil. i dor. mash. 7 no. 11:24-25 N '62.

Problem of the operational reliability of construction equipment. A. I. Astakhov, A. P. Degtiarev, V. A. Ivanov. Stroil. i dor. mash. 7 no. 12:6-11 D '62.

ROAD MACHINERY—BIBLIOGRAPHY

see Bibliography—Road machinery

ROAD MACHINERY—EXHIBITIONS

Exhibition of self-propelled construction and road machinery in Moscow. A. S. Selenevich. Stroil. i dor. mash. 7 no. 11:3-9 N '62.

ROADS

see subdivision under Moscow

ROADS—DESIGN

Birulia, A. K. [Designing roads] Proektirovanie avtomobil'nykh dorog. Izd. 4., perer. i dop. Moskva, Avtotransizdat, Pt. 2. 1962. 651 p.

ROADS—MAINTENANCE AND REPAIR

In a district. A. Sokolov. Za bezop. dvizh. 5 no. 12: 4-5 D '62.

ROADS—SURVEYING

Moscow, Gosudarstvennyi institut po proektirovaniu avtoremontnykh i avtotransportnykh predpriatii. [Handbook for heads of survey teams] Spravochnoe posobie nachal'nikov izyskatel'nykh partii. Moskva, Avtotransizdat, 1962. 310 p.

ROADS, ICE

(see also subdivision under Sytyvkar region)

Ice roads as important possibilities. A. M. Ryzhkov. Les. prom. 40 no. 12:27 D '62.

Snow packing machine. F. A. Pavlov, E. N. Savel'ev. Les. prom. 40 no. 10:25-26 O '62.

ROBBER FLIES

(see also subdivision under Soviet Central Asia)

Field predatory Entomophaga (Coleoptera, Carabidae and Diptera, Asilidae) and factors determining their efficiency. B. G. Shurovenkov. Ent. oboz. 41 no. 4: 763-780 '62.

ROBBERY

Some comments to a letter to the editor. Sov. iust. no. 24:25 D '62.

ROCHELLE SALT

Dielectric and nonlinear properties of Rochelle salt at superhigh frequencies. V. M. Petrav. Kristallografiia 7 no. 3:403-407 My-Je '62.

ROCK DRILLS

Thermal drill. I. Holdalev. Nauka i zhytita 12 no. 7: 30-31 Ji '62.

ROCK PRESSURE

Effect of the rate of mining on the character of rock pressure distribution across the strike of a deposit. N. A. Solomatina. Met. i gornorud. prom. no. 5:45-48 S-O '62.

ROCK SALT

Structure of thin coatings of cadmium selenide sprayed on faces (100) and (110) of rock salt single crystals. I. P. Kalinkin and others. Fiz. tver. tela 5 no. 1:124-128 Ja '63.

ROCKETRY

The beginning of the space era (conclusion). L. Korneev. Tekhn. mol. 30 no. 12:37-38 '62.

ROCKETS (AERONAUTICS)

Goncharenko, M. N. [Missiles and the problem of anti-missile missiles] Rakety i problema antiraket. Moskva, Izd-vo DOSAAF, 1962. 269 p.

"Missiles and antimissile defense" by M. N. Goncharenko. Reviewed by M. Vasil'ev. Voen. znan. 39 no. 1:38 Ja '63.

[Problems of rocket engineering; translations and surveys of foreign periodical literature] Vop. raket. tekhn. i sbor. perev. i obr. inostr. period. lit. 13 no. 1 '63.

Rockets fly into the sky. L. I. Lifshits. Sam'ia i shkola 17 no. 11:21 N '62.

Singer-Bredt, L. [Some properties of hydrogen and water as possible working fluids for rockets. Translated from the English and the German. Preface by V. A. Kirillin and A. E. Sheindlin] Nekotorye svoistva vodoroda i vodnogo para - vozmozhnykh rabochikh tel raket. Moskva, Izd-vo inostr. lit-ry, 1962. 98 p. (Nauchnye problemy raketnoi tekhniki)

Tamed fire. M. Dobrovolskyi, IU, Krylov. Nauka i zhytita 12 no. 11:12-13 N '62.

ROCKETS (ORDNANCE)

Morozov, K. V. [Wingless rockets] Deskretye rakety. Moskva, Voenizdat, 1962. 77 p. (Raketnaia tekhnika) They were the first. N. Afanas'ev. Voen. znan. 30 no. 1:9-10 Ja '63.

ROCKS

see subdivision under Volga Valley

ROCKS—ANALYSE

Division of the medium-grained granites of the Gul'shad deposit (central Kazakhstan) according to the results of quantitative mineralogical analysis and radiometric observations. D. I. Ivanov. Dokl. AN SSSR 147 no. 6: 1425-1428 D '62.

ROCKS—ELASTIC PROPERTIES

see subdivision under Georgia

ROCKS—PERMEABILITY

Propagation of gas in fissured rocks. IU, P. Zheltov, P. P. Zolotarev. PMTF no. 5:133-139 S-O '62.

ROCKS—RADIOACTIVE PROPERTIES

see subdivision under Dzirula Crystalline Shield

ROCKS—TESTING

(see also subdivision under Kurobe Valley, Japan)
Effect of the composition of the interlayer rock on the degree of deformation of undermined steep seams in the central Donets Basin. K. K. Gendel. Nauch. soob. IGD 14:29-38 '62.
Physicomechanical properties and breakage of rocks during forcing through by blasting with shaped charges. I. N. Popov, S. V. Nikolaev, V. S. Bondarenko. Izv. vys. ucheb. zav. i razv. 5 no. 10:130-139 O '62.
Protod'akov, M. M., and N. A. Kudria. [Quick method for determining the ultimate resistance to compression and the modulus of elasticity of rocks] Ekspres-metod opredeleniia vremennogo soprotivleniia szhatii i modula uprugosti gornyykh porod. Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1962, 21 p. [MICROFILM]

Strength properties of coal seams as an indicator of the likelihood of outbursts. G. N. Feit. Nauch. soob. IGD 14:88-98 '62.

ROCKS—THERMAL PROPERTIES

Annual temperature variations in rocks. V. A. Kudriavtsev, Merz. issl. no. 1:26-31 '61.

ROCKS, CARBONATE

(see also subdivision under Kobystan; Vishnevyye Mountains; Volga-Ural region)
Using aerial photographs to study the jointing of Daghestan carbonate rocks. TSzian TSzu-tai [Chiang Tzu-chai], V. D. Skarlatin. Izv. vys. ucheb. zav. i razv. 5 no. 10:53-62 O '62.

ROCKS, IGNEOUS

see subdivision under Buryat-Mongolia; Caucasus, Northern

ROCKS, IGNEOUS—ANALYSIS

Radium and thorium contents in andesite-basalt, andesite, and dacite. N. N. Shavrova. Dtd. Vulk. sta. no. 33: 67-70 '62.

ROCKS, IGNEOUS—MAGNETIC PROPERTIES

see subdivision under Kamchatka; Kurile Islands

ROCKS, SEDIMENTARY

(see also subdivision under Lower Tunguska Valley; Oshchity Syrt; Russian Platform)
Electrical macroanisotropy of layered media. A. S. Gritsenko. Uch. zap. SGU 65:211-215 '59.
Experience in using "ecogenetic" data for the detailed stratigraphic subdivision of sedimentary rocks. E. A. Kireeva. Uch. zap. SGU 65:13-19 '59.
Method of conversion of the mineralogical composition of friable sedimentary rocks. V. S. Vasil'ev. Uch. zap. SGU 65:107-114 '59.

ROCKS, SEDIMENTARY—ANALYSIS

(see also subdivision under Saratov Province)
Vsesoiuznoe soveshchaniye po fizicheskim metodam issledovaniia osadochnykh porod i mineralov. Ist. Moscow, 1960. [Physical methods of studying sedimentary rocks and minerals] Fizicheskie metody issledovaniia osadochnykh porod; [doklady] Moskva, Izd-vo Akad. nauk SSSR, 1962, 270 p.

RODENT CONTROL

Achievements and objectives of ecology in controlling rodents occurring as agricultural pests [with summary in English]. I. A. Poliakov. Zool. zhur. 41 no. 11: 1601-1617 N '62.
Achievements of the microbiological method. V. I. Pottev. Zashch. rast. ot vred. i bol. 2 no. 6:44-46 N-D '57.
Rodent control in an orchard. G. M. Levin. Zashch. rast. ot vred. i bol. 5 no. 11:44 N '60.

RODENTICIDES

Review of "Poisons used to control hosts and carriers of highly dangerous infections" by V. P. Kazakevich, I. V. Domaradskii, E. E. Bakhrakh. Zashch. rast. ot vred. i bol. 4 no. 5:61 S-O '58.

ROGOR

Rogor, a new systemic insecticide. N. N. Mel'nikov. Zashch. rast. ot vred. i bol. 5 no. 6:52 Je '60.

ROLLING (METALWORK)

Action of forces on the roughing rolls of a diagonal rolling mill. P. I. Polukhin, R. M. Golubchik, S. P. Karpov. Sbor. Inst. stali i splav. no. 40:294-314 '62.
Calibration of I-beams. P. I. Polukhin, I. G. Astakhov. Sbor. Inst. stali i splav. no. 40:25-43 '62.
Changes in pipe wall thickness during its rolling without mandrel. V. V. Shvetkin, P. N. Ivshin. Izv. vys. ucheb. zav. i razv. 5 no. 12:67-73 '62.
Complex investigation of contact pressure and friction forces during rolling. P. I. Polukhin, V. A. Masterov, IU, E. Fomenko. Sbor. Inst. stali i splav. no. 40:166-172 '62.

Conditions of plastic friction on the surface of the contact between strip and rolls during longitudinal rolling. P. I. Polukhin, V. A. Masterov, M. M. Shatlapin. Sbor. Inst. stali i splav. no. 40:56-65 '62.

Correlation of deformation during the cold rolling of titanium alloy pipes. IU, I. Rusinov. TSvet. met. 35 no. 9:75-79 S '62.

Deformation center parameters in the cold rolling of pipe. V. I. Sokolovskii. Trudy Ural. politekh. inst. no. 119:59-66 '62.

Equating characteristic angles α - β - γ , the torque and the work of rolling with irregular distribution of pressure and friction forces. I. M. Pavlov. Sbor. Inst. stali i splav. no. 40:7-14 '62.

Experience in coarse thread rolling. A. F. Balin, R. Kh. Valitov, A. N. Korochistov. Kuz.-strem. proizvod. 4 no. 12:9-11 D '62.

Investigating specific pressure during the cold rolling of high-alloy steel. N. M. Fedosov and others. Sbor. Inst. stali i splav. no. 40:107-129 '62.

Investigating the coefficient of the position resultant during hot rolling in cylindrical rolls. I. K. Suvorov and others. Sbor. Inst. stali i splav. no. 40:130-137 '62.

Lamination during the rolling of bi-metal. I. M. Pavlov, V. N. Brinza. Sbor. Inst. stali i splav. no. 40:152-158 '62.

Landikhov, A. D. [Production of nonferrous metal pipes, rods, and shapes] Proizvodstvo trub, prutkov i profilov iz tsvetnykh metallov. Izd. 2, perer. i dop. Moskva, Metallurgizdat, 1962, 390 p.

Mastering plate rolling on the 2800 mill. M. A. Beniatkovskii, V. I. Sedov, G. M. Toropov. Metallurg 8 no. 1:22-23 Ja '63.

Nature and mechanism of metal sticking during sliding friction. I. M. Pavlov, V. A. Osadchii. Sbor. Inst. stali i splav. no. 40:173-180 '62.

Pack rolling of large-size, two-layer steel plate. N. P. Dablagin and others. Met. i gornorud. prom. no. 5:29-33 S-O '62.

Peculiarities of rolling rimmed steel ingots on a forge blooming mill. N. A. Chelyshev. Izv. vys. ucheb. zav. i razv. 5 no. 12:74-80 '62.

Photoelastic method for the investigation of stresses in rolls and in the strip during rolling. I. M. Pavlov and others. Sbor. Inst. stali i splav. no. 40:264-276 '62.

Present state and outlooks for the development of technological processes of rolling ingots for stamping. A. V. Orlov. Avi. prom. 28 no. 12:35-36 D '62.

Quality of the fusion of closed shrinkage cavities in rolled steel ingots. A. V. Vishniakov and others. Stal' 22 no. 12:1118-1120 D '62.

Resistance to deformation in rolling carbon and chromium steels. P. I. Polukhin and others. Sbor. Inst. stali i splav. no. 40:84-89 '62.

Rolling beams on universal rolling mill stands. S. V. Makeev, N. P. Skriabin, V. D. Korshechikov. Stal' 22 no. 12:1088-1092 D '62.

Speed of metal flow in the center of deformation during the cold rolling of pipe. V. I. Sokolovskii. Trudy Ural. politekh. inst. no. 119:54-58 '62.

Stress condition characteristics in external zones of the deformation center in rolling. N. A. Chelyshev. Izv. vys. ucheb. zav. i razv. 5 no. 12:95-102 '62.

Warm rolling of E100 stainless steel. A. V. Krupin and others. Sbor. Inst. stali i splav. no. 40:138-151 '62.

Widening during rolling with smooth barrel rolls. P. I. Polukhin and others. Sbor. Inst. stali i splav. no. 40: 66-83 '62.

ROLLING (METALWORK)—EQUIPMENT AND SUPPLIES

Shalnev, V. V., and others. [Improving procedures and equipment in shape-rolling mills] Sovershenstvovanie tekhnologii i oborudovaniia v sortoprokatnom tskehe. Sverdlovsk, Metallurgizdat, 1963, 163 p.

ROLLING MILLS

(see also subdivision under Magnitogorsk; Mogilev)
Analysis of the development of sheet mills in foreign countries. M. L. Zaroshchinskii. Stal' 22 no. 12: 1092-1095 D '62.
Automatic control of strip thickness. D. N. Dobronravov, O. B. Kisevko, R. V. Liambakh. Mekh. i avtom. proizvod. 16 no. 12:3-8 D '62.
Concept of the resultant force of rolling. I. M. Pavlov. Sbor. Inst. stali i splav. no. 40:15-24 '62.
Heat balance in the performance of five-stand cold rolling mills. P. I. Polukhin and others. Sbor. Inst. stali i splav. no. 40:219-224 '62.
Increasing the productivity of a staggered 350 rolling mill train. S. G. Chuchko, K. I. A. Romanov. Metallurg 8 no. 1:24-27 Ja '63.
Increasing the resistance of passes on 250 mills to sticking and wear. I. M. Pavlov, V. A. Osadchii, I. K. Suvorov. Sbor. Inst. stali i splav. no. 40:225-234 '62.
Its number is 250. M. Borysenko. Nauka i zhyt'ia 12 no. 10:26-27 O '62.
Performance of rod mill roller guide units. V. A. Osadchii. Sbor. Inst. stali i splav. no. 40:235-250 '62.

ROLLING MILLS—EQUIPMENT AND SUPPLIES

Calculating the power required and selecting a type of electric drive for the coiler of a continuous cold rolling mill. I. A. N. Shpanberg. Trudy Ural. politekh. inst. no. 119:84-89 '62.

Coordinating conference of branch industries on rolling and pipe mill machinery manufacture. I. M. Makeev. Stal' 22 no. 12:1104-1105 D '62.

Efficient sizing of economical window frame sections and the mechanization of labor-consuming operations on small-shape mills. G. M. Pavlovskii, I. A. Krupnik. Stal' 22 no. 12:1099-1102 D '62.

Investigating lifting and tilting tables for three-high 2300 sheet mills. K. D. Shaumilov, IU, G. Gorunov. Izv. vys. ucheb. zav. i razv. 5 no. 12:188-196 '62.

Investigating the strength of construction of certain parts of blooming mill shears. E. V. Pal'mov and others. Trudy Ural. politekh. inst. no. 119:26-34 '62.

Investigation of coiler drums. A. V. Tret'akov, TSzian Shao [Chiang Shao], R. A. Pozina. Trudy Ural. politekh. inst. no. 119:50-53 '62.

New diagrams of high productivity ingot feed. E. N. Berezin. Trudy Ural. politekh. inst. no. 119:16-21 '62.

ROLLING-STOCK

see Locomotives

ROLLS (IRON MILLS)

Analysis of elastic flattening of four-high mill rolls. V. P. Polukhin. Izv. vys. ucheb. zav. i razv. 5 no. 12:88-94 '62.
Box-system grooving of blooming mill rolls. I. G. Astakhov. Sbor. Inst. stali i splav. no. 40:44-55 '62.
Characteristics of the structure of high-strength two-layer rolls of chromium-nickel cast iron. A. E. Kri-voshchev, IU, N. Turan. Izv. vys. ucheb. zav. i razv. 5 no. 12:131-137 '62.
Criteria for the durability of rolls on cold rolling mills. P. I. Polukhin. Sbor. Inst. stali i splav. no. 40:210-216 '62.
Effect of preheating the rolls on their durability. A. V. Tret'akov, R. A. Pozina. Metallurg 8 no. 1:20-30 Ja '63.
Electric face hardening of blooming mill rolls. I. N. Aksenov. Metallurg 8 no. 1:28-29 Ja '63.
Improving the grooving of roughing rolls of unit 400 plug rolling mills. P. I. Polukhin and others. Sbor. Inst. stali i splav. no. 40:319-326 '62.
Protasov, A. A. [Grooving of iron mill rolls; problems and exercises] Knilbrovia prokatnykh valkov; zadachi i uprazhneniia. Moskva, Metallurgizdat, 1963, 329 p.
Rat grooving for the cold rolling of pipe. IU, F. Sheva-kina. Sbor. Inst. stali i splav. no. 40:350-360 '62.
Roll grooving for three-high reeling mills of diagonal rolling. A. M. Musikhina, I. M. Pavlov, V. A. Osadchii. Sbor. Inst. stali i splav. no. 40:327-329 '62.

ROLLS (IRON MILLS)—TESTING

Using the optical polarization method for the investigation of strains and elastic deformations of rolling mill rolls. IU, D. Zheleznev, V. P. Polukhin. Sbor. Inst. stali i splav. no. 40:251-263 '62.

ROMANCE PHILOLOGY

Lyov, Universitet. [Problems of Romance and Germanic philology] Pytaniia romano-gormanskoi filologii. "L'vov" Vyd-vo L'vovskogo univ., 1961, 164 p. (MII)

ROME—HISTORIOGRAPHY

Anonymous Roman historians of the fourth century A. D. V. S. Sokolov. Vest. Mosk. un. Ser. 9: Ist. 18 no. 1:102-75 Ja-F '63.

ROME—HISTORY

German, M. IU., B. P. Selezskii, and IU, P. Suzdal'skii. [On seven hills; sketches of the culture of ancient Rome] Na sem kholmakh, ocherki kul'tury drevnego Rima; posobie dlia uchitelia istorii. Leningrad, Gos. uchebno-pedagog. izd-vo, 1960, 213 p. (NNC)

ROOFING

Gas-fired method of applying roll roofing. IU, I. Ildinov. Zhil. stroi. no. 1:27 '62.

ROOFING, CONCRETE

Design of a large-span roof made of slabs sealed with poured concrete. I. Nesterenko, L. Spivak. Prom. stroi. i inzh. soor. 4 no. 5:18-24 S-O '62.
Important problems of the development of thin-walled three-dimensional reinforced concrete elements. G. K. Khudikov. Izv. ASIA 4 no. 4:50-58 '62.
Manufacture of arches or shells for roofs. Z. Safranov. Stroitel' 8 no. 11:5-6, 3 of cover N '62.

ROOFING, SLATE

Slate in public construction. E. Semdomskii. Zhil. stroi. no. 1:18-20 '62.

ROOFS

Mesh reinforced concrete channel slab roofs. A. Kucherenko. Stroi. i arkh. 10 no. 1:32-34 Ja '62.
Temperature deformations of precast concrete roofs. A. Emel'ianov. Zhil. stroi. no. 10:25-27 '62.

ROOFS—MAINTENANCE AND REPAIR

Improve the maintenance of roofing. IU, G. Ivlev. Gor. khoz. Mosk. 36 no. 7:20 Ji '62.
Kozlovskii, A. S. [Handbook for the roofer carrying out the maintenance of a residential building] Pamiatka krovel'shchika, vypolniaiushchego tekushchii remont zhilogo doma. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1961, 44 p.

ROOFS, SHELL

Manufacture of arches or shells for roofs. Z. Saifonov. Stroitel' 8 no. 11:5-6, 3 of cover N '62.
Using the method of ultimate equilibrium in designing roof panels shaped as shallow shells with double curvature. B. O. Gevorkian. Izv. AN Arm. SSR, Ser. tekhn. nauk no. 4:17-24 '61.

ROOFS, SHELL—CONGRESSES

Put precast shells to widespread use! Stroitel' arkhitekt. Len. 23 no. 1:34-35 Ja '63.

ROOT CROPS—CHEMICAL COMPOSITION

Chemical composition of root crops: beets, carrots, rutabaga, turnips. I. A. Babichev. Trudy po prikl. bot., gen. i sel. 31 no. 2:259-266 '57.

ROOT KNOT see subdivision under Azerbaijan

ROOT ROT—GRAFTING

Biological method for controlling the root rot of cork oak caused by Phytophthora cinnamomi. D. A. Globa-Mikhailenko. Zashch. rast. ot vred. i bol. 5 no. 7:35 Ji '60.

ROOTS (BOTANY)

Accretion of root systems in pine forests of the Kazakh steppe. A. A. Makarenko. Agrobiologiya no. 6:930-941 N-D '62.

Activation of life processes by pruning plant roots. N. I. Bondarenko. Vest. sel'khoz. nauki 7 no. 10:42-44 O '62.

Anatomic study of the formation of carrot roots. M. A. Sizava. Trudy po prikl. bot., gen. i sel. 31 no. 2:170-182 '57.

Biological characteristics of the development of the lupine root system. I. K. Baranov. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:205-212 '62.

Development of the root system in corn. V. M. Grinov. Vest. sel'khoz. nauki 7 no. 10:38-40 O '62.

Interrelations among plants of the same species in the process of nutrition [with summaries in English, German, and French]. I. I. Sinagin. Vest. sel'khoz. nauki 7 no. 5:127-133 My '62.

Root system and yield of winter wheat [with summaries in English, German, and French]. A. I. Zadontsev, V. I. Bondarenko. Vest. sel'khoz. nauki 7 no. 11:18-26 N '62.

Root system of dwarf apple plants in nurseries. A. F. Popov. Vest. sel'khoz. nauki 7 no. 11:124-126 N '62.

Variety of roots in shrubs. P. P. Pokhilov. Vysnyk Bot. i sad. AN URSR no. 4:15-20 '62.

ROSES

Beautiful roses; article No. 3. IE. Bryzhalov. Nauka i zhyt'ia 12 no. 9:39 S '62.

Effect of mulching on the development of the damask rose [with summaries in English, German, and French]. F. M. Chikalov. Vest. sel'khoz. nauki 7 no. 11:127-131 N '62.

ROSES—DISEASES AND PESTS see subdivision under Moldavia

ROSMARINACEAE

Alkaloids of the family Labiales. Part 2: Partial structural formula of rosmarinic acid. L. D. Ikhontova, A. D. Kuzovkov. Zhur. ob. khim. 33 no. 1:308-309 '63.

ROSS VALLEY—POTTERY, SCYTHIAN—MARKS

Earthen stamp of the early Scythian period from Piskov-Chernyavka. Krat. soob. Inst. arkhcol. no. 89: 57-59 '62.

ROSTOV—LIBRARIES AND READERS

In contact with the Society of Inventors. G. Nazarova, E. Doroshadskaya. Bibliotekar' no. 1:17-18 Ja '63.

ROSTOV-ON-DON—APARTMENT HOUSES

Assembly-line construction and combined operations in the construction of large-element apartment houses. IA. Barsukov. Zhil. stroit. no. 2:13-14 '62.

ROSTOV-ON-DON—FEEDS

Over-all mechanization of the production of dried feeds. A. Eliseev. Mias. ind. SSSR 33 no. 8:16-20 '62.

ROSTOV-ON-DON—HYMENOMYCETES

Hymenomyces in the Rostov Botanical Garden. L. I. Krasov. Biol. Glav. bot. sada no. 47:38-41 '62.

ROSTOV PROVINCE—AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

According to today's standards. S. Sheliukh. Za rul. 21 no. 1:8-9 Ja '63.

ROSTOV PROVINCE—CHICK PEA—DISEASES AND PESTS

Chick-pea miner Liriomyza cicerina Rd. P. V. Vinogradov. Zashch. rast. ot vred. i bol. 4 no. 5:56 S-O '60.

ROSTOV PROVINCE—COMMUNIST EDUCATION—AUDIO-VISUAL AIDS

Communisticheskaya partiya Sovetskogo Soyuza. Rostovskii oblasnoi komitet. Otdel propagandy i agitatsii. [Calling to new achievements! Vpered zovushchaya; v pomoshch' partinym organizatsiham. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 92 p.

ROSTOV PROVINCE—CORN (MAIZE)—DISEASES AND PESTS

Strip placement of hexachloran in the soil. K. G. Mikhailov. Zashch. rast. ot vred. i bol. 5 no. 5:26 My '60.

ROSTOV PROVINCE—DISABILITY EVALUATION

"Attention, attention..." P. Semidotova. Sots. gossp. 23 no. 9:38-39 S '62.

ROSTOV PROVINCE—EURYGASTER—EXTIRPATION

They reduced the costs. V. E. Sharkova. Zashch. rast. ot vred. i bol. 5 no. 3:6-7 Mr '60.

ROSTOV PROVINCE—LEAF MINERS—EXTIRPATION

Chick-pea miner Liriomyza cicerina Rd. P. V. Vinogradov. Zashch. rast. ot vred. i bol. 4 no. 5:56 S-O '60.

ROSTOV PROVINCE—MACHINERY INDUSTRY

Voluntary principles. R. A. Kapitskii. Mashinostroitel' no. 12:42-43 D '62.

ROSTOV PROVINCE—MACHINERY INDUSTRY—FINANCE

Business accounting within individual workshops and their work analysis. A. Boradkin. Bukh. uch. 19 no. 12:19-23 D '62.

ROSTOV PROVINCE—MEAT INDUSTRY—BY-PRODUCTS

Specialized waste utilization plant. A. Zherdev, A. Skutlin. Mias. ind. SSSR 33 no. 6:10-12 '62.

ROSTOV PROVINCE—PLANTS, PROTECTION OF

Socialist obligations are being fulfilled. V. E. Sharkova. Zashch. rast. ot vred. i bol. 5 no. 10:4-6 O '60.

ROSTOV PROVINCE—RESEARCH, INDUSTRIAL

Scientific achievements and technological innovations should be introduced into industrial production. R. Kapitskii. NTO 4 no. 9:23-24 S '62.

ROSTOV PROVINCE—RESTAURANTS, LUNCHROOMS, ETC.

Culinary advice. V. Petrova, A. Tselin. Sov. poireb. koop. 6 no. 12:34-35 D '62.

ROSTOV PROVINCE—SWINE

Progressive methods for producing cheap swine. S. Prussakov, G. Mal'isev. Ekon. sel'khoz. 34 no. 1: 32-37 Ja '63.

ROSTOV PROVINCE—TECHNOLOGICAL INNOVATIONS

Scientific achievements and technological innovations should be introduced into industrial production. R. Kapitskii. NTO 4 no. 9:23-24 S '62.

ROSTOV PROVINCE—WIREWORMS—EXTIRPATION

Strip placement of hexachloran in the soil. K. G. Mikhailov. Zashch. rast. ot vred. i bol. 5 no. 5:26 My '60.

ROSTOVITSEV, SEMEN IVANOVICH, 1862-1916

Semen Ivanovich Rostovtsev; on the 100th anniversary of his birth. N. A. Komaritskii. Bol. zhur. 47 no. 11: 1090-1700 N '62.

ROTARY HEARTH FURNACES

Characteristics of the structure of the bath of a rotary ferroalloy furnace. I. T. Zherdev and others. Izv. vys. uch. zav. Chern. met. 5 no. 12:61-68 '62.

ROTARY KILNS see Kilns, Rotary

ROTATING AMPLIFIERS

Use of servo correctors in amplidyne automatic control systems. V. L. Gruzov, V. M. Mamedov, V. V. Rudakov. Sbor. rab. po vop. elektromekh. no. 7:147-157 '62.

ROTATING BODIES

Stability of rotation of a stationary rotating hydraulic channel. G. K. Pozharitskii. PMTF no. 4:110-120 Ji-Ag '62.

Stability of steady motions of solid bodies having cavities filled with liquid. V. V. Rumyantsev. Prikl. mat. i mekh. 26 no. 6:977-991 N-D '62.

Stability of the rotation of a solid body having an ellipsoidal cavity filled with liquid. F. Kh. Tsoi'man. Prikl. mat. i mekh. 26 no. 6:1128-1130 N-D '62.

ROTATION OF CROPS

(see also subdivision under Adyge Autonomous Province; Kazakhstan; Ukraine)

Crop rotation and its importance in the increase of crop yields. D. N. Priantshnikov. Zemledelie 24 no. 11: 34-50 N '62.

Effect of predecessors and weather conditions on the yield of buckwheat. V. I. Aikymenko. Vysnyk sil'kosp. nauky 5 no. 12:39-42 D '62.

For row crops. V. Sotnikov, I. Sinagin. V mire knig 2 no. 12:7 D '62.

Importance of the structure of crop acreages in the productivity of field crop rotations. P. O. Lut. Vysnyk sil'kosp. nauky 5 no. 12:28-33 D '62.

Peas in row crop rotations. I. Kasenz. Zemledelie 24 no. 12:42-44 D '62.

Results of half a century's practice in applying fertilizers in crop rotations and to monocultures. V. E. Egorov. Zemledelie 24 no. 11:51-55 N '62.

ROTIFERA see subdivision under Luga District; Luga River

ROTORS

Stability of the motion of a rotor with flexible supports. V. V. Kremutulo. Inzh. zhur. 2 no. 4:213-216 '62.

ROTOV, KONSTANTIN PAVLOVICH, 1902-

K. P. Rotov. K. Lebedev. V mire knig 3 no. 1:3 of cover Ja '63.

ROTTERDAM—POSTAL SERVICE

A closed-circuit television system for regulating mail dispatching operations. M. A. Mishke. Vest. aviatsii 22 no. 12:25-26 D '62.

ROUSSEAU, JEAN JACQUES, 1712-1778

Soviet studies devoted to the works of Rousseau and Hegel [with summary in English, pp. 182-183]. M. B. Mitin. Vop. filos. 17 no. 1:61-72 '63.

ROVINSKII, DMITRI ALEKSANDROVICH, 1824-1865

Contribution made by D. A. Rovinskii and N. S. Mosolov to the study of Rembrandt. E. I. Smirnova. Soob. GML [no. 1]:64-69 '60.

ROZANOV, SERGEI GRIGOR'EVICH

"First sketching board" by Sergei Rozanov. Reviewed by V. Dolin. Som'ia i shkola 18 no. 1:32 Ja '63.

RUBBER—TESTING

Investigating the chemical stability of some natural rubbers and rubber goods produced on their base. A. P. Bogaevskii and others. Kauch. i rez. 21 no. 12: 11-14 D '62.

RUBBER, FOAM see Foam rubber

RUBBER, RECLAIMED

Use of reclaimed rubber for the electric insulation of superstructure parts. B. L. Babitskii, L. E. Vinitskii. Vest. TSNi MPS 21 no. 8:50-52 '62.

RUBBER, RECLAIMED—ELECTRIC PROPERTIES

Dielectric properties of reclaimed rubber and its vulcanizates. B. L. Babitskii, L. E. Vinitskii, IA. N. Kaplunov. Kauch. i rez. 21 no. 12:18-22 D '62.

RUBBER, SYNTHETIC

Introduce "Escapion" (Ponomarev's synthetic rubber) in industry. P. Kazakov. NTO 4 no. 12:40-43 D '62.
Structure of the protective adsorption films of synthetic latexes stabilized by sodium oleate [with summary in English]. E. M. Alesandrova, L. A. Shits. Koll. zhur. 24 no. 6:641-642 N-D '62.

RUBBER, SYNTHETIC—SPECTRA

Nuclear magnetic relaxation in irradiated rubbers [with summary in English]. V. L. Karpov, N. M. Pomerantsev, N. M. Sergeev. Vysokom. soob. 5 no. 1:100-107 Ja '63.

RUBBER GOODS

Increasing the heat and wear resistance of engineering asbestos friction materials. V. P. Shitikov, P. A. Vinogradov, M. S. Tarasina. Kauch. i rez. 21 no. 12: 25-26 D '62.

New uses for rubber. V. Pospelov. Tekh. mol. 30 no. 12:1 '62.

RUBBER INDUSTRY

Fourth scientific and technical conference on the chemistry and technology of caoutchouc and rubber. A. A. Pollak. Kauch. i rez. 21 no. 12:48-49 D '62.
From the materials of the plenum of the Moscow Administration of the "D. I. Mendeleev" All-Union Chemical Society. Kauch. i rez. 21 no. 12:49-50 D '62.
Results of the operations of the rubber footwear industry during 1961. I. I. Zaitsev. Kauch. i rez. 21 no. 12: 23-25 D '62.

RUBBER INDUSTRY—EQUIPMENT AND SUPPLIES

Automatic machine for cutting blanks from crude rubber sections obtained on worm presses. P. A. Kulik, V. A. Urasov. Kauch. i rez. 21 no. 12:46-47 D '62.
Scientific and technical conference on the mechanization of the production of shaped rubber goods. I. A. Shesteli. Kauch. i rez. 21 no. 12:53-54 D '62.

RUBBER INDUSTRY—TECHNOLOGICAL INNOVATIONS

New developments in foreign science and technology. Kauch. i rez. 21 no. 12:55-58 D '62.

RUBBER RESEARCH

New uses for rubber. V. Pospelov. Tekh. mol. 30 no. 12:1 '62.
Symposium on radiochemistry. A. S. Kuz'minskii. Kauch. i rez. 21 no. 12:51-53 D '62.

RUBIDIUM COMPOUNDS

Structure of rubidium tetraphenylborate. J. Ozols, S. Vimba, A. Ievins. Kristallografiya 7 no. 3:363-365 My-Je '62.

Structure of rubidium tetraphenylboron [with summary in English]. J. Ozols, S. Vimba, A. Ievins. Izv. AN Latv. SSR no. 4:93-94 '61.

- RUBO, FRANTS ALEKSEEVICH, 1856-1928**
Singer of military heroes. Kh. Ushenin. Sov. voen 45 no. 1:41 Ja '63.
- RUBTSOVSK DISTRICT—FARM MECHANIZATION**
Bekker, A. A., and G. M. Azarin. [Work organization in a mixed brigade] Organizatsiia raboty kompleksnoi brigady. Moskva, Proftekhizdat, 1962. 56 p.
- RUDNYI (KAZAKHSTAN)—IRON MINES AND MINING**
Romanticism will return to Rudny. N. Lognova. Komsom. zhizn' no. 22:10-14 N '62.
- RUGS, AZERBAIJANI**
Kerimov, Liatif. [Azerbaijani rugs] Azerbaidzhanskii kovov. Baku, Akad. nauk Azerbaidzhanskoi SSR. [Parallel texts in Azerbaijani and Russian] Vol. 1. 1961. 1 v. illus.
- RUMANIA—ARMED FORCES—POLITICAL ACTIVITY**
New magazine of the Rumanian People's Army. Komm. Vooruzh. Sil 3 no. 1:92 Ja '63.
- RUMANIA—ARMENIANS**
The Vardik family in Rumanian medieval folk songs [in Armenian with summary in Russian]. D. Gzhri-kian. Ist.-filol. zhur. no. 4:83-94 '62.
- RUMANIA—BIBLIOGRAPHY**
[New literature on Rumania] Nov. lit. po Rum. nos. 10-11 '62.
- RUMANIA—BRIQUETS (FUEL)**
Using the thermochemical processing for the manufacture of coke briquets from noncoking and low-quality coking coals. G. M. Denisova. Koks i khim. no. 12:56-57 '62.
- RUMANIA—CATTLE**
Rumanian "mokans" and their mountain cattle breeding system [with summary in English]. I. Viedutziu. Sov. etn. no. 6:85-91 N-D '62.
- RUMANIA—COST AND STANDARD OF LIVING**
A conversation about happiness. L. Rovinskii. Nov. vrem. 20 no. 6:25-28 F '63.
- RUMANIA—CULTURE**
A conversation about happiness. L. Rovinskii. Nov. vrem. 20 no. 6:25-28 F '63.
- RUMANIA—ECONOMIC CONDITIONS**
Rumania comes of age. L. Rovinskii. Nov. vrem. 20 no. 1:7-8 Ja '63.
- RUMANIA—ETHNOLOGY**
Rumanian "mokans" and their mountain cattle breeding system [with summary in English]. I. Viedutziu. Sov. etn. no. 6:85-91 N-D '62.
- RUMANIA—FOREIGN RELATIONS**
The alliance policy. Nov. vrem. 20 no. 5:2-3 F '63.
- RUMANIA—GRAIN**
Distribution of grain raising in Rumania prior to the Second World War. I. D. Russu. Uch. zap. Tif. gos. ped. inst. no. 9:77-98 '60.
- RUMANIA—JOURNALISM, MILITARY**
New magazine of the Rumanian People's Army. Komm. Vooruzh. Sil 3 no. 1:92 Ja '63.
- RUMANIA—JUSTICE, ADMINISTRATION OF**
How Rumanian courts help to conclude the building of socialism in the Rumanian People's Republic. J. Manoliu. Sov. iust. no. 24:22-24 D '62.
- RUMANIA—MATHEMATICS—PERIODICALS**
"Gazeta matematica si fizica", series A, nos. 8-12, 1961, nos. 1-3, 1962. Reviewed by V. M. Botas. Mat. v shkole no. 8:75-78 N-D '62.
- RUMANIA—ORTHODOX EASTERN CHURCH—PERIODICALS**
Review of "Studii Teologice," journal of the theological institutes of the Rumanian Patriarchate nos. 3-6 (March-April) and 5-6 (May-June), 1961. V. Vladimirov. Zhur. Mosk. Patr. no. 11:77-80 N '62.
- RUMANIA—RELATIONS (GENERAL) WITH RUSSIA**
Economic and cultural contacts between the U. S. S. R. and Rumania. A. T. TSukanova. Otv. na vop. trud. no. 9:29-35 S '62.
- RUMANIAN FOLK SONGS** see Folk songs, Rumanian
- RUMEN**
Effect of feeding sodium sulfate on the processes of fermentation in the rumen of cows and the increase of the fat content of milk. F. I. Palfii. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:37-43 '61.
- Effect of various feeds on fermentation processes in the rumen and the milk yield of cows. M. I. Shevchenko. Nauk. pratsi asp. UASHN no. 5:184-189 '60.
- Nitrogen substances of the rumen contents of cows in various types of feeding. V. M. Holovach. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:9-13 '61.
- Physiological and biochemical changes in the rumen of buffaloes and Red cattle during the feeding of carbamide. A. A. Aliev, M. Sh. Kafarov. Trudy Azer. nauch. -issl. vet. inst. 13:198-206 '62.
- Regulation of fermentation processes in the rumen of ruminants. S. Zh. Hzyts'kyi and others. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:3-8 '61.
- Some indices of metabolism in the rumen tissues of cattle. S. I. Kusen', I. H. Pupin. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4: 66-74 '61.
- RUMEN—DISEASES**
Fat metabolism of cattle with the atony of the rumen and during insulin treatment. A. S. Kinash. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:94-99 '61.
- Vitamin B₁ in the blood of cattle with the atony of the rumen. V. I. Tretevich. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:100-101 '61.
- RUMEN—MICROBIOLOGY**
Amino acid composition of micro-organisms of the rumen of cows fed urea. F. I. Vrydyuk. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:28-32 '61.
- Change in the quantity of bacteria in the rumen content of cattle calves and buffalo calves as related to the age and feeding. M. K. Ganiev and others. Trudy Azer. nauch. -issl. vet. inst. 13:207-210 '62.
- RUMINANTIA**
Basic trends in the ecological development of Ruminantia. K. K. Flerov. Paleont. zhur. no. 4:31-42 '62.
- RUNNING**
Effect of rest periods during repeated exercises on the development of speed qualities in juveniles. S. V. Kaledin and others. Teor. i prak. fiz. kul't. 25 no. 11: 35-40 N '62.
- Struggle of seconds. V. Viktorov. Ogonek 40 no. 37: 28-29 S '62.
- RUNOFF**
[see also subdivision under Amur Valley; Caspian Sea region; Moldavia; Soviet Far East; Transbaikalia; Ukraine]
- Calculation of reliable intervals of a distribution curve. V. F. Kriukov. Trudy Len. gidromet. inst. no. 11:124-151 '61.
- Connection between the maximum runoff of rivers and solar activity and atmospheric circulation. B. P. Panov. Trudy Len. gidromet. inst. no. 11:12-27 '61.
- Dynamic and statistical method of predicting geophysical macroprocesses as exemplified by predictions of runoff. I. U. M. Alekhin. Trudy Len. gidromet. inst. no. 11: 97-123 '61.
- Mud torrents. G. P. Shcheglova and others. Priroda 52 no. 1:90-96 '63.
- Potential maximum runoffs and methodology for determining them. D. L. Sokolovskii. Trudy Len. gidromet. inst. no. 11:3-11 '61.
- Probable calculation of a distribution curve for the period of exploitation of hydraulic structures. V. F. Kriukov. Trudy Len. gidromet. inst. no. 11:180-188 '61.
- RURAL EDUCATION** see Education, Rural
- RURAL ELECTRIFICATION**
[see also subdivision under Moldavia; Ryzan Province; Ukraine]
- An efficient electric power distribution network for agricultural regions. B. M. Gamburg. Energetik 10 no. 12:6-8 D '62.
- Linear programming in investigating rural electric networks [with summaries in English, German, and French]. K. M. Polarkov. Vest. sel'khoz. nauk 7 no. 11:135-139 N '62.
- New suggestions for improving the utilization of construction equipment for electric transmission lines. A. Bodin. Sel'. stroi. 16 no. 1:10-20 Ja '62.
- "Organization of electric assembly operations for rural electric installations" by A. P. Bodin, I. F. Rogachev, E. A. Khavich. Reviewed by N. Shcherbakov. Sel'. stroi. 16 no. 1:31 Ja '62.
- Rural electrification is a living embodiment of Lenin's ideas. Sel'. stroi. 16 no. 4:1-2 Ap '60.
- Techniques in rural electrification operations should be continuously improved. R. A. Sokolovskaya. Mekh. i elek. sois. sel'khoz. 20 no. 6:37 '62.
- RURAL ELECTRIFICATION—COSTS** see subdivision under Ukraine
- RURAL ELECTRIFICATION—EQUIPMENT AND SUPPLIES**
Self-propelled electric repair shop. I. Kuzin. Tekh. v sel'khoz. 22 no. 11:40-41 N '62.
- RURAL ELECTRIFICATION—STUDY AND TEACHING**
Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut proizvodstvennogo obucheniia. [Training students in farm mechanization and electrification] Podgotovka uchashchikhsia po mekhanizatsii i elektrifikatsii sel'skogo khoziaistva. Pod red. I. G. Kitava i V. A. Chichkova. Moskva, Izd-vo APN RSFSR, 1962. 50 p. (Pedagogicheskie chteniia)
- RURAL HOSPITALS** see Hospitals, Rural
- RURAL LIBRARIES**
[see also subdivision under Pripet Valley]
- Close ties with management. N. Nikolaeva. G. Tomzhekova. Bibliotekar' no. 1:10-22 Ja '63.
- Closer to collective farms. M. Samushenkova. Bibliotekar' no. 1:22-23 Ja '63.
- Toward new goals. N. Drobn. D. Fedorov. Bibliotekar' no. 1:24-26 Ja '63.
- RURAL PLANNING**
[see also subdivision under Chelyabinsk Province]
- Planning a village. A. Rudnitskii. Zhil. stroi. no. 10: 17-18 '62.
- RURAL SCHOOLS** see subdivision under Shevchenkov (Zvenigorodka District)
- RUSSIA—ALLIED INTERVENTION, 1918-1920**
"Invasion of Soviet Russia by United States imperialists and its failure" by V. A. Bolarskii. Reviewed by F. Petrov. Polit. samobor. 6 no. 11:133-134 N '62.
- RUSSIA—ARMED FORCES**
Barabanashchikov, A. V. [Pedagogical basis for the training of members of the Soviet Armed Forces] Pedagogicheskie osnovy obucheniia sovetskikh voenov. Moskva, Voenizdat, 1962. 150 p.
- Beloved creation of the Soviet people. Grazhd. av. 12 no. 2:4-5 F '55.
- Soviet Army is the army of socialist internationalism. A. Kalachnikov. Voen. znan. 39 no. 1:22-23 Ja '63.
- The Soviet Army is the army of the socialist national state. I. P. Pobezhimov. Sov. gos. i pravu 33 no. 2: 68-75 F '63.
- RUSSIA—ARMED FORCES—EDUCATION, NONMILITARY**
Founding of the Marxist party in Russia. I. Shvalko. Komm. Vooruzh. Sil 3 no. 1:72-77 Ja '63.
- One thing in words and another thing in fact. P. Rybkin. Komm. Vooruzh. Sil 3 no. 1:50 Ja '63.
- Participation of trainees in political courses. N. Voroshilov. Komm. Vooruzh. Sil 3 no. 1:51-53 Ja '63.
- Regularities in the development of socialism into communism. G. Teriaev. Komm. Vooruzh. Sil 3 no. 1:11-19 Ja '63.
- RUSSIA—ARMED FORCES—MILITARY LIFE**
Kalachnikov, A. V. [Honesty of a soldier] Chestnost' soldata. Moskva, Voenizdat, 1962. 79 p.
- RUSSIA—ARMED FORCES—POLITICAL ACTIVITY**
Authority of the youth leader. V. Komissarov, V. Kharipov, A. Danilov. Komm. Vooruzh. Sil 3 no. 1:60-64 Ja '63.
- Bachurin, A. P. [The diary of a political worker at the front] Frontovye zapiski politrabotnika. Moskva, Voenizdat, 1962. 111 p.
- Communist Party and the Communist Youth League. N. Leont'ev. Komm. Vooruzh. Sil 3 no. 1:39-44 Ja '63.
- Control and verification of execution is the mainstay of all our work. Komm. Vooruzh. Sil 3 no. 1:6-10 Ja '63.
- In our militant, continuous row. V. Novatorov and others. Sov. voen 45 no. 1:17 Ja '63.
- "Intraparty democracy is the basis of the participation of communists." Komm. Vooruzh. Sil 3 no. 1:66 Ja '63.
- News of party and political work. Komm. Vooruzh. Sil 3 no. 1:93-95 Ja '63.
- Party ideology in military science. V. Sergeev. Komm. Vooruzh. Sil 3 no. 1:20-27 Ja '63.
- Realization of resolutions of report and election party meetings. G. Shinkarenko. Komm. Vooruzh. Sil 3 no. 1:28-33 Ja '63.
- The unity of the army and the people is indissoluble. P. Efimov. Part. zhizn' no. 3:8-14 F '63.
- Violating the rights of Communists. F. Likhachev. Komm. Vooruzh. Sil 3 no. 1:55-57 Ja '63.
- RUSSIA—ARMY**
[Faithful, to duty, 1941-1961] Vernye dolgu, 1941-1961. Nyack, N. Y., Izd-vo "Ob'edinenie i polka" Russkogo Korpusa, 1961. 86 p.
- RUSSIA—ARMY—MILITARY LIFE**
Offense to Private Avanu. V. Diev. Sov. voen 45 no. 1: 43 Ja '63.
- RUSSIA—ARMY—POLITICAL ACTIVITY**
"Needless correspondence and meetings instead of organizational work." Komm. Vooruzh. Sil 3 no. 1:106 Ja '63.
- [Problems of party and Communist Youth League work in the Soviet Army and Navy] Voprosy partinnoi i komso-mol'skol raboty v Sovetskoi Armii i Voenno-Morskoi Flote; uchebnoe posobie dlia slushatelei odnogodichnogo otdeleniia vetchornikh partinykh shkol. Moskva, Voenizdat, 1962. 301 p.
- RUSSIA—ARMY—SKI TROOPS**
First steps. Sov. voen 45 no. 1:45 Ja '63.
- Winter is the time for skiing. V. A. Andreev. Sov. voen 45 no. 1:44-45 Ja '63.
- Youthful "blatlon" is reaching manhood. E. I. Polikanin. Sov. voen 45 no. 1:45 Ja '63.

RUSSIA—CIVILIZATION

Kosarenko-Kosarevitch, Vasyi. [Moscow sphinx; myth and power in the life of eastern Europe] Moskova: kyt afinks; ml i syla v obrazi skhodu IEvropy. Povne vyd. New York, 1957. 489 p. (OkU)

RUSSIA—COMMERCE

Accountants' tasks in Soviet trade. P. Mezentsay. Bukh. uch. 19 no. 12:33-36 D '62.
"Economics of Soviet trade." Reviewed by V. Zadorozhnyi, I. Berger. Ekon. Rad. Ukr. no. 6:126-129 N-D '62.
Foreign trade of the U.S.S.R. in refrigerating equipment and perishable goods during 1961. Khol. tekhn. 39 no. 6:67 N-D '62.
Normalizing commodity stocks. Sh. Afrukin. Vop. ekon. no. 12:70-78 D '62.
Realizing Lenin's policy consistently. Sov. torg. 36 no. 12:1-4 D '62.
Soviet purchasers should have a wide selection of quality merchandise. Sov. torg. 36 no. 11:1 N '62.

RUSSIA—COMMERCE—JAPAN

The new Soviet-Japanese trade agreement. V. Spandarian. Nov. vrem. 20 no. 6:7-8 F '63.

RUSSIA—COMMERCE—POLAND

Products of machinery manufacturing and metalworking in the turnover of goods between the People's Poland and the Soviet Union. H. Shablitskiy. Ekon. Rad. Ukr. no. 6:97-100 N-D '62.

RUSSIA—CONSTITUTION

Russia (1917- R. S. F. S. R.) Constitution. [Constitution (fundamental law) of the Union of Soviet Socialist Republics; with amendments adopted at the seventh session of the Fifth Supreme Soviet of the R. S. F. S. R.] Konstitutsiya (osnovnoi zakon) Rossiiskoi Federativnoi Sotsialisticheskoi Respubliki. S izmeneniyami i dopolneniyami, prinyatymi na sed'moi sessii Verkhovnogo Soveta RSFSR platogo sozyva. Moskva, Gosizdat, 1962. 31 p.

Russia (1923- U. S. S. R.) Constitution. [Constitution (fundamental law) of the Union of Soviet Socialist Republics; with amendments and supplements adopted at the second session of the Sixth Supreme Soviet of the U. S. S. R.] Konstitutsiya (osnovnoi zakon) Soyuza Sovetskikh Sotsialisticheskikh Respublik. S izmeneniyami i dopolneniyami, prinyatymi na vtoroi sessii Verkhovnogo Soveta SSSR shestogo sozyva. Moskva, Gosizdat, 1963. 31 p.

RUSSIA—CONSTITUTIONAL HISTORY

Constitutional ideas of "enlightened absolutism" in the "Instruction" of Catherine II. N. I. A. Kuprits. Vest. Mosk. un. Ser. 10; Pravo 17 no. 4:70-76 O-D '62.

RUSSIA—CULTURE

Basic methodological principles in constructing the history of the arts of the peoples of the U. S. S. R. Yu. Kalashnikov. Vop. khok. no. 6:123-130 '62.
Triumph of the Leninist theory of the cultural revolution and cultural development. I. N. Goncharov. Shor. nauch. rab. raf. ist. KPSS vuzov G. Khar. no. 4:103-116 '60.

RUSSIA—DEFENSES

Army and peace. Nov. vrem. 20 no. 8:1-2 F '63.
Guarding the motherland. S. S. Birluzov. Voen. znan. 30 no. 1:3-4 Ja '63.
Towards new victories of communism. Voen. znan. 30 no. 1:1-2 Ja '63.

RUSSIA—ECONOMIC CONDITIONS

Advance of communism. Sov. potrebn. koop. 6 no. 11: 1-3 N '62.
Along the bright road of communism. Obshchestv. pit. no. 11:1-3 N '62.
Astrology from the "Neue Zürcher Zeitung," or how Swiss economists study the economy. G. Schnitke. Nov. vrem. 20 no. 6:16-19 F '63.
Entering the year 1963. Az. i Afr. seg. no. 1:2 Ja '63.
Following the path indicated by Lenin. A. Polshchuk. Az. i Afr. seg. no. 1:3-5 Ja '63.
For a creative solution of problems. Rad. shk. 41 no. 12:3-5 D '62.
Forty-five years. Mest. prom. i khud. promys. 3 no. 11: 1 N '62.
Forwards along Lenin's path toward new achievements! Nar. asv. no. 12:3-7 D '62.
General law of capitalistic accumulation in imperialistic Russia. IU. Netegin. Izv. AN Latv. SSR no. 10:10-31 '62.
Happy New Year! Rab. i stal. 38 no. 12:2-3 D '62.
How to study the theme "The party in the struggle for the consolidation and development of socialist society, 1937-June 1941." N. Krut'ko. Komm. Bel. 30 no. 12: 45-50 D '62.
Ivanov, V. P., and S. A. Moruchkov. [Through the work of millions] Trudom millionov. Moskva, Izd-vo "Znanie," 1962. 30 p. (Novoe v zhizni, nauke, tekhnike. I Seriya; Istoriya, no. 1)
On Lenin's road. Part. zhizn' no. 1:3-7 Ja '63.

"Problems of Soviet economic development in the works of American students of economic geography" by G. L. Eganov. Reviewed by Em. N. Ter-Akopian. Izv. AN Arm. SSR, Obshchestv. nauki no. 12:109-112 D '62.
The Russian bear and the American skunk. I. Sotnikov. Nov. vrem. 20 no. 8:28 F '63.
Soviet economic progress in 1962. Nov. vrem. 20 no. 5:9 F '63.

Taking care of people's welfare. Pozh. delo 8 no. 12: 1-2 D '62.

Towards new victories of communism. Voen. znan. 30 no. 1:1-2 Ja '63.

Triumph of the ideas of the Great October Revolution. Nar. asv. no. 11:3-8 N '62.

The triumph of the October ideas. Nar. khoz. Uzb. 4 no. 11:7-11 N '62.

A year of great achievement. A. Shishkov. Sov. profsoyuzy 18 no. 24:4-6 D '62.

Year of unprecedented achievements. Znan. - sila 37 no. 10:13-16 O '62.

RUSSIA—ECONOMIC GEOGRAPHY see Geography, Economic

RUSSIA—ECONOMIC POLICY

All forces and creative work for the great cause of communism. Stan. i instr. 33 no. 12:1-2 D '62.
Along the course laid down by Lenin. Sov. pech. no. 12: 1-2 D '62.

Be responsible for your own work and the work of your comrades. Nar. obr. no. 11:4 Ja '63.

"Continuity in planning and state plan indices." Reviewed by D. Moskvina. Plan. khoz. 40 no. 2:85-91 F '63.

The fifth year of the seven-year plan. M. Kochnev. Av. i kosm. 45 no. 1:2-5 Ja '63.

The fifth year of the seven-year plan. Sov. deput. trud. no. 1:3-5 Ja '63.

Following Lenin's path in advancing toward communism. Den. i kred. 20 no. 12:3-8 D '62.

A holiday of peace and labor. A. Georgieva. Otv. na vop. trud. no. 4:54-64 Ap '62.

Igumnova, Z. P. [The party in the struggle for the reconstruction of the national economy] Partiya v bor'bu za vosstanovlenie narodnogo khoziaistva; teksta. [Moskva] Izd-vo Mosk. univ., 1962. 55 p.

Important stage on the way to communism. Sov. pedagog. 26 no. 12:3-8 D '62.

Improving planning. P. Lebedynskiy, M. I. Armolynskiy. Ekon. Rad. Ukr. no. 6:28-36 N-D '62.

In the name of the people's happiness, the triumph of communism. Komm. Vooruzh. Sil 3 no. 1:2-5 Ja '63.

In the name of the triumph of communism. Bibliotekar' no. 1:1-3 Ja '63.

Kashin, V. N. [Science and long-range planning] Nauka i perspektivnoe planirovanie. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. III Seriya; Ekonomika, no. 1)

Lenin's policy in planning. Plan. khoz. 39 no. 12:1-5 D '62.

Let us put into practice the decisions of the November Plenum of the Central Committee of the CPSU. Vest. stat. no. 12:3-11 '62.

Mikhailov, A. T. [Proportion in production and how to achieve it under socialism and communism] Proportional'nost' proizvodstva i sposob ee dostizheniya pri sotsializme i kommunizme. Leningrad, Ob-vo po rasprostraneniю polit. i nauchn. znanii RSFSR, 1962. 58 p.

Nadtochev, D. I. [Road to the future] Put' v grishchice. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. I Seriya; Istoriya, no. 2)

The national economic plan of the fifth year of the seven-year plan. Plan. khoz. 40 no. 1:1-10 Ja '63.

Notable event in the life of the party and people. Vop. ekon. no. 12:3-8 D '62.

Party and state control under the new conditions. Part. zhizn' no. 2:3-13 Ja '63.

The party's struggle for the socialist industrialization of the country and preparation for complete collectivization of agriculture, 1926-1928. V. Zubets. Komm. Bel. 30 no. 11:48-54 N '62.

People's party. E. Bugaev. Part. zhizn' no. 4:15-23 F '63.

Plan for the fifth year of the seven-year plan and builders' tasks. R. Krylov. Ekon. stroi. no. 1:6-11 Ja '63.

Several problems of improving national economic planning. I. Maevskiy, A. Fomin. Vop. ekon. no. 12:38-45 D '62.

Time of great achievements. Za rul. 21 no. 1:1 Ja '63.

Timely, wise and farsighted decisions. Fin. SSSR 23 no. 12:3-8 D '62.

The triumph of Lenin's principles. Mol. kosm. no. 12: 3-11 D '62.

The triumphant banner of the October Revolution. Komm. Uz. 34 no. 11:3-12 N '62.

Troshev, N. I. [Development and distribution of productive forces of the RSFSR from 1959 to 1965] Razvitiye i razmeshcheniye proizvoditel'nykh sil RSFSR v 1959-1965 godakh. Moskva, Ob-vo po rasprostraneniю polit. i nauchn. znanii RSFSR, 1959. 38 p. (NNC)

Urgent economic problems. L. Lopatinikov. Sov. pech. no. 1:3-7 Ja '63.

RUSSIA—ELECTIONS

Greeting the elections to the soviets. V. Malorova. Sov. knizh. torg. 14 no. 1:4 Ja '63.

RUSSIA—EPOCH OF CONFUSION, 1605-1613

The intrafeudal struggle in the Russian Government during the years of the Polish-Lithuanian intervention in the early 17th century. I. S. Shepelev. Izv. Vor. gos. ped. inst. 31:126-155 '60.

RUSSIA—FLAGS

Our red battle flag. A. Peshkov. Komm. Vooruzh. Sil 3 no. 1:70-72 Ja '63.

RUSSIA—FOREIGN ECONOMIC RELATIONS—AFGHANISTAN

Golovin, IU. M. [The Soviet Union and Afghanistan; economic cooperation in practice] Sovetskii Soюз i Afganistan; opyt ekonomicheskogo sotrudnichestva. Moskva, Izd-vo vostochnoi lit-ry, 1962. 102 p.

RUSSIA—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

Economic cooperation of the U. S. S. R. with underdeveloped countries. A. Kodachenko. Polit. samosob. 5 no. 11:112-117 N '62.

RUSSIA—FOREIGN RELATIONS

Conflicting positions of the different groups of Russian ruling circles in regard to Russian foreign policy during the Bosnian crisis. Submitted by I. V. Bestuzhev. Ist. arkh. 8 no. 5:113-147 S-O '62.

"Documents of Soviet foreign policy." Vol. 7. Reviewed by V. Iarneljan. Mezhdunar. zhizn' 10 no. 3:133-135 Mr '63.

Foreign editions of N. S. Khrushchev's report. Nov. vrem. 20 no. 5:31 F '63.

[Foreign policy of the Soviet Union and international relations, 1961; a collection of documents] Vneshnaya politika Sovetskogo Soyuza i mezhdunarodnye otnosheniya, 1961 god; sbornik dokumentov. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 537 p.

Full text of N. S. Khrushchev's speech at the 6th Congress of the Socialist Unity Party of Germany. Berlin, January 16, 1963. Nov. vrem. 20 no. 4:31-49 Ja '63.

In the name of the people's happiness, the triumph of communism. Komm. Vooruzh. Sil 3 no. 1:2-5 Ja '63.

Peace is paramount. Nov. vrem. 20 no. 4:1-2 Ja '63.

Peaceful coexistence and revolutionary struggle. Kommunist 39 no. 3:12-24 F '63.

Soviet Army is the army of socialist internationalism. A. Kalachnikov. Voen. znan. 30 no. 1:22-23 Ja '63.

"The Soviet union, disarmament, and peace: facts and events, 1917-1962" by V. M. Khatman. Reviewed by A. Zaretskiy, G. Mesonzhnik. Komm. Mold. 7 no. 12: 75-77 D '62.

The year 1963. Nov. vrem. 20 no. 1:1-3 Ja '63.

RUSSIA—FOREIGN RELATIONS—CUBA

A sensible view. V. Ch. Mezhdunar. zhizn' 10 no. 3:122-123 Mr '63.

RUSSIA—FOREIGN RELATIONS—FRANCE

Soviet notes on the Paris-Bonn treaty; texts. Nov. vrem. 20 no. 7:39-47 F '63.

RUSSIA—FOREIGN RELATIONS—GERMANY, WEST

Soviet notes on the Paris-Bonn treaty; texts. Nov. vrem. 20 no. 7:39-47 F '63.

RUSSIA—FOREIGN RELATIONS—HUNGARY

Our treaty. Janos Peter. Nov. vrem. 20 no. 7:3 F '63.

RUSSIA—FOREIGN RELATIONS—IRAN

History of Russo-Iranian relations and A. S. Griboedov's diplomatic work. I. K. Enikoplov. Ist. -filol. zhur. no. 4:143-161 '62.

RUSSIA—FOREIGN RELATIONS—TURKEY

Chernikov, I. F. [Soviet-Turkish relations from 1923 to 1935] Radians'ko-turets'ki vidnosyny v 1923-1935 rr. Kyiv, Akad. nauk Ukr. RSR, 1962. 134 p. (CST-II)

RUSSIA—FOREIGN RELATIONS—UNITED STATES

Cuba is fighting and will win! Komm. Bel. 30 no. 11:12-15 N '62.

Liberation wars and diplomacy. V. Matveev. Mezhdunar. zhizn' 10 no. 3:93-99 Mr '63.

RUSSIA—FOREIGN RELATIONS—YUGOSLAVIA

The Soviet Union and socialist Yugoslavia. Nov. vrem. 20 no. 1:9 Ja '63.

RUSSIA—GEOGRAPHY see Geography

RUSSIA—HISTORIOGRAPHY

- "Critical evaluation of the bourgeois conceptions of Russian history in the period of feudalism." Reviewed by I. P. Shaskol'skii. Vop. ist. 38 no. 1:130-133 Ja '63.
- "Soviet historical studies in the period between the 20th and the 22d Congresses of the CPSU; history of the U. S. S. R." Reviewed by I. D. Koval'chenko, M. E. Naidenov, A. M. Sakharov. Vop. ist. 38 no. 1:105-111 Ja '63.

RUSSIA—HISTORY

- About the past and the present. . . M. Filaster. Sots. obozr. 24 no. 1:40-43 Ja '63.
- Akademii nauk SSSR, Institut istorii. [Revolutionary situation in Russia in 1859-1861] Revoliutsionnaya situatsiia v Rossii v 1859-1861 gg. Moskva, Izd-vo Akad. nauk SSSR, 1962. 595 p.
- "Alliance of the Hapsburgs and Romanovs; the diplomatic prehistory of Russian intervention in Hungary in 1849" [in Hungarian] by E. Andics. Reviewed by I. I. Orlik. Vop. ist. 38 no. 1:155-160 Ja '63.
- Brief notes. Vop. ist. 38 no. 1:153-157 Ja '63.
- Dvynov, B. L. [First World War and the Russian Social Democratic Party] Pervaya mirovaia volna i rossiiskaya sotsial-demokratia. New York, 1962. 239 p. (Interuniversity Project on the History of the Menshevik Movement. Paper, no. 10)
- Epical cities. Vokrug sveta no. 12:42-43 D '62.
- First steps in the development of feudal Russia into the bourgeois state. I. A. Ushakov. Izv. vys. ucheb. zav.; prav. 6 no. 4:111-119 '62.
- Forty-five years. Znan. sia 37 no. 10:1-12 O '62.
- Imminence of a revolutionary crisis in Russia and "Iskra's" struggle for the realization of Lenin's idea of the alliance of workers and peasants. F. I. Fomichev. Uch. zap. Orekh.-Zuev. ped. inst. 12:5-62 '58.
- "Problems of the Russian social and economic history and historical sources of the feudal period." Reviewed by V. S. Bakulin. Vop. ist. 38 no. 1:134-136 Ja '63.
- Spasovskii, M. M. [Conciliar monarchy] Sobornala monarkhiia. Buenos Aires, [Nashia strana] 1963. 46 p. (IAU)

RUSSIA—HISTORY—BIBLIOGRAPHY

- New books. Ist. arkh. 8 no. 5:205-207 S-O '62.

RUSSIA—HISTORY—SOURCES

- Akademii nauk SSSR, Institut istorii. [Complete collection of Russian chronicles] Polnoe sobranie russkikh letopisei. [Vospriizvedenie teksta izdaniia 1926-1928 godov.] Moskva, Izd-vo vostochnoi lit-ry, Vol. I. [The Laurentian and Suzdal chronicles according to the Academy copies] Lavrent'evskaia letopis' i Suzdal'skaia letopis' po Akademicheskomu spisku. 1962. 577 p.
- Contracts between workers and contractors as a source of Russian history. V. F. Borzunov. Ist. arkh. 8 no. 5:169-197 S-O '62.
- How we found the materials missing from "G. Miller's briefcase with documentary materials concerning the Pugachev Rebellion." R. V. Ovchinnikov. Ist. arkh. 8 no. 5:216-219 S-O '62.

RUSSIA—HISTORY, MILITARY

- Military calendar. Voen. znan. 39 no. 1:40 Ja '63.
- "The Russian Army and the German people in the first months of 1913" [in German] by F. Straube. Reviewed by A. Ia. Shel'skii. Vop. ist. 38 no. 1:170-171 Ja '63.

RUSSIA—HISTORY, NAVAL

- Effect of the development of means of control and communications on the combat activity of the fleet. N. I. Trukhnin. Mor. sbor. 46 no. 1:16-22 Ja '63.
- The earliest note in Russian source materials on the expedition of Novgorod seamen "across the sea." V. B. Vilnibakhov. Vop. ist. 38 no. 1:196-199 Ja '63.

RUSSIA—INDUSTRIES

- Construction put into operation in the fourth year of the seven-year plan. Komm. Vooruzh. Sil 3 no. 1:78-80 Ja '63.
- Organization and work of the "Committee on Manufactures" during the period of serfdom in Russia, from 1828 to 1870. N. S. Kiriapina. Vest. Mosk. un. Ser. B; Ist. 18 no. 1:43-61 Ja-F '63.
- "Triumph of the Leninist nationalities policy; facts and figures. Komm. Mold. 7 no. 12:61-63 D '62.
- "The U. S. S. R. in figures; the statistics of 1961." Reviewed by I. Shutov. Sov. deput. trud. no. 6:91-92 Je '62.

RUSSIA—INDUSTRIES—DICTIONARIES

- "Economic encyclopedia. Industry. Construction." Vols. 1-3. Sots. trud 7 no. 4:158-159 Ap '62.

RUSSIA—INVASION OF 1912

- Heroism of a nation. D. L. Dobrusin. Doshk. vosp. 35 no. 8:11-15 S '62.
- Immortal heroism of a nation. I. Matvienko. Nauka i zhiznia 12 no. 9:31 S '62.

- The 150th anniversary of the Patriotic War of 1812. P. Valeskalns. Izv. AN Latv. SSR no. 10:3-9 '62.
- The Patriotic War of 1812 in the history of the Latvian nation; in memory of the 150th anniversary of the Patriotic War of 1812 [in Latvian]. T. Zeids. Izv. AN Latv. SSR no. 10:11-18 '62.
- Threat of the twelfth year. V. Patrushev. Otv. na vop. trud. no. 8:10-19 Ag '62.

RUSSIA—MANUFACTURES

- Realizing Lenin's policy consistently. Sov. torg. 36 no. 12:1-4 D '62.
- Soviet purchasers should have a wide selection of quality merchandise. Sov. torg. 36 no. 11:1 N '62.
- Undertaking that should be continued. V. Ruzov. Sov. potreb. koop. 6 no. 11:10-13 N '62.

RUSSIA—MANUFACTURES—QUALITY CONTROL

- Stimuli and quality. V. Kornienko. Sov. torg. 36 no. 11:5-7 N '62.

RUSSIA—MILITARY POLICY

- Malinovskii, R. Ia. [Guard the pace vigilantly] Bditel'no stoiat' na strazhe mira. Moskva, Voenizdat, 1962. 68 p.

RUSSIA—NAVY

- Ancient and solid friendship. A. Shurygin. Komsom. zhizn' no. 19:19-20 O '62.

RUSSIA—NAVY—ORGANIZATION

- Simultaneous action of staffs and political sections. I. S. Simonenko. Mor. sbor. 45 no. 1:9-15 Ja '63.

RUSSIA—OFFICIALS AND EMPLOYEES

- A conference of the Trade Union of the Employees of Governmental Agencies. A. Novokhatskii. Sov. deput. trud. no. 6:72-73 Je '62.
- The leader's authority. A. Bolkina. Otv. na vop. trud. no. 8:20-28 Ag '62.
- Legal definition of "government employees" in the Soviet state. A. A. Zhdanov. Izv. vys. ucheb. zav.; prav. 6 no. 4:37-44 '62.

RUSSIA—POLITICS AND GOVERNMENT

- Alliance of workers and peasants is the decisive factor in the development of socialist society. M. S. Slutskii. Uch. zap. Orekh.-Zuev. ped. inst. 12:221-241 '58.
- Characteristics of the national state. V. O. Tenenbaum. Sov. gos. i pravo 33 no. 2:3-11 F '63.
- Chevdar, Erasi. [Freedom is dearer than life; sketches on present-day subjects] Svoboda dorozhe zhizni; ocherki na sovremennye temy. Brooklyn, 1962. 135 p.
- "Current objectives of the Soviet Government"; some chapters of the original version of V. I. Lenin's article. Komm. Mold. 7 no. 11:3-14 N '62.
- "Current objectives of the Soviet Government"; some chapters of the original version of V. I. Lenin's article. Komm. Uz. 34 no. 10:3-16 O '62.
- "Declaration of rights of the peoples of Russia." Komm. Bel. 36 no. 11:75-76 N '62.
- Development of the Soviet State; on the 40th anniversary of the Union of Soviet Socialist Republics. P. S. Romanishin, V. M. Kuritsyn. Vest. AN SSSR 33 no. 1:21-26 Ja '63.
- Effective influence of socialist law upon social relations. M. P. Lebedev. Sov. gos. i pravo 33 no. 1:22-31 Ja '63.
- Establishment of the Union of Soviet Socialist Republics. S. P. Marhumskii, V. M. Kuritsyn. Vest. AN BSSR. Ser. hram. nav. no. 4:5-16 '62.
- The 40th anniversary of the establishment of the U. S. S. R. Sots. zakon. 39 no. 12:7-9 D '62.
- Friendly cooperation of fraternal peoples. N. Zhuravlev. Komm. Mold. 7 no. 12:49-59 D '62.
- [Gazette of the Supreme Soviet of the R. S. F. S. R.] Ved. Verkh. Sov. RSFSR 7 nos. 2-6 Ja-F '63.
- [Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. SSSR 26 nos. 6-10 F-Mr '63.
- "How the program of the CPSU shows the historical inevitability of the withering away of the socialist state" by P. A. Kovchegov. Reviewed by D. Ursut. Komm. Mold. 7 no. 12:73-74 D '62.

- Indissoluble union. . . P. Tumanov. Sov. profsoiuzy 18 no. 24:18-19 D '62.

- Ivanov, V. A. [How our people govern their state] Kak nash narod upravliaet svoim gosudarstvom. Leningrad, Ob-vo po rasprostraneniui polit. i nauchn. znanii RSFSR, 1962. 68 p.

- Local partiality is a harmful survival. G. Zimanas. Kommunist 39 no. 2:78-85 Ja '63.

- Main stages in the development of a socialist state. A. I. Isahanov. Obshchestv. nauki v Uz. 6 no. 11:5-13 '62.

- Members of the Sixth Supreme Soviet of the U. S. S. R. Sov. deput. trud. no. 6:102-103 Je '62.

- Nelldov, A. A. [History of the governmental agencies of the U. S. S. R., 1917-1936] Istoriia gosudarstvennykh uchrezhdenii SSSR, 1917-1936 gg.; uchebnoe posobie. Red. A. V. Chernov. Moskva, Mosk. gos. istoriko-arkhiv. in-t, 1962. 746 p.

- New contribution to the theory and practice of the building of communism. Sov. gos. i pravo 33 no. 1:3-12 Ja '63.

- Plenary session of the Central Committee of the CPSU in November, 1962 and some problems in the development of the Soviet state. D. Chesnokov. Kommunist 39 no. 2:11-20 Ja '63.

- "Problems concerning the political organization of Soviet society during the large-scale building of communism." Reviewed by V. Vasil'ev. Sov. deput. trud. no. 1:87-89 Ja '63.

- Saushkin, N. M. [Cult of personality and authority] O kult'e lichnosti i avtoritete. Moskva, Gospolitizdat, 1962. 47 p. (Konsul'tants po istorii KPSS)

- Some problems of governmental administration in the socialist national state. IU. M. Kozlov. Sov. gos. i pravo 33 no. 1:32-43 Ja '63.

- U. S. S. R. is the bright future of the mankind. S. M. Budennyi. Nov. vrem. 20 no. 1:3-4 Ja '63.

- The U. S. S. R. is our great motherland. M. Shkilar. Komm. Bel. 36 no. 12:18-24 D '62.

- Union of the free; interview with I. S. Roditsa. Mol. komm. no. 12:12-20 D '62.

- The ways to extend the right of voluntary inspectors to control the agencies and business enterprises of the Soviet national state. V. V. Mal'kov. Sov. gos. i pravo 33 no. 2:55-65 F '63.

RUSSIA—RELATIONS (GENERAL) WITH CAMBODIA

- On the ancient land of the Khmers. Mol. mira no. 11/12: 19-20 '61.

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

- Solidarity, friendship, and cooperation. I. Dzhibekvelov. Sov. pech. no. 12:49-50 D '62.

RUSSIA—RELATIONS (GENERAL) WITH GREAT BRITAIN

- Radovskii, M. I. [From the history of Anglo-Russian relations in the field of science] Iz istorii anglo-russkikh nauchnykh svyazei. Moskva, Izd-vo Akad. nauk SSSR, 1961. 214 p.

RUSSIA—RELATIONS (GENERAL) WITH INDIA

- Fifteen years of the independence of India. I. Andreev. Otv. na vop. trud. no. 0:52-56 Ag '62.

RUSSIA—RELATIONS (GENERAL) WITH ROMANIA

- Economic and cultural contacts between the U. S. S. R. and Rumania. A. T. Tsukanova. Otv. na vop. trud. no. 0:29-35 S '62.

RUSSIA—RELATIONS (GENERAL) WITH WEST GERMANY

- From Berlin to Karl Marx Stadt. Evgeniia Knipovich. Nov. vrem. 20 no. 4:23-25 Ja '63.

RUSSIA—RELIGION

- Valentinov, A. A. [Religion and the Church in the U. S. S. R.; a lecture read at the republic-wide seminar of atheist lecturers in Leningrad] Religia i tserkov' v SSSR; stenogramma lektii, pročitannoi na respublikanskom seminare lektorov-atelistov v g. Leningrade. Moskva, Ob-vo po rasprostraneniui polit. i nauchn. znanii RSFSR, 1960. 62 p. (MII)

RUSSIA—REVOLUTION OF 1905

- (see also subdivision under White Russia)
- Shakhovskoi, L. F. [The Bolshevik Party during the first Russian revolution, 1905-1907] Partiin bol'shevikov v period pervoi russkoi revoliutsii, 1905-1907 gg.; lektii, pročitannye v Vysshiei partinnoi shkole pri TsK KPSS. Moskva, Vysshaja partinnaia shkola pri TsK KPSS, 1957. 158 p. (TsKhR)
- Shakhovskoi, L. F. [The Bolshevik Party in the Revolution of 1905-1907] Partiin bol'shevikov v revoliutsii 1905-1907 gg.; tema 3. Izd. 2. Moskva, Izd-vo VPSH, 1960. 138 p. (Istoriia KPSS; kurs lektii) (CU)

RUSSIA—REVOLUTION, 1917-1921

- (see also subdivision under Armenia; Leningrad Government; Nizhny Novgorod; Nizhny Novgorod Government; Stavropol Government; Turkestan; Ukraine; Uzbekistan; Voronezh Province; White Russia; Yakutia)
- Alexandrova, Vera, pseud. [This I remember; 1917-1921] Perekhodka, 1917-1921 gg. [in p.] 1962. 83 p. (Interuniversity Project on the History of the Menshevik Movement. Paper no. 12) (MH)

- Grunt, A. Ia. [The plot of the doomed; the defeat of Kornilov's forces] Zagovor obrachennykh; razgrom kornilovshchiny. Moskva, Gospolitizdat, 1962. 76 p. (Stranitsy istorii sovetskoi rodniny) (CSH)

- Lenin, V. I. [Complete works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Gospolitizdat. Vol. 36. [March-July, 1918] Mart - Iul' 1918. 1962. 741 p.

- Lenin's first decrees. I. Sternik. Komm. Uz. 34 no. 11:13-18 N '62.

- Mass political work of the Bolsheviks with a view to ensure the defeat of the Kolchak Army. S. F. Vakholin. Uch. zap. Orekh.-Zuev. ped. inst. 12:143-169 '58.
- October Revolution and the intelligentsia of the Geological Survey (1917-1918). V. S. Shelnuk. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 10:3-15 O '62.

RUSSIA — REVOLUTION, 1917-1921 (Continued)

Pavlov, V. E., comp. [The Markov Division in battles and campaigns for Russia during the 1917-1920 war of liberation] Markovskiy v bolshikh i pokhodakh za Rossiiu v osvoboditel'noi voine 1917-1920 godov. Paris [Union des Combattants de la Division du General Markoff] Book 1. [Early history of the Volunteer Army; the first and second Kuban campaigns, 1917-1918] Zarozhdenie Dobrovol'cheskoi Armii; 1-yi i 2-i Kubanskie pokhody, 1917-1918 g. 1962. 396 p.

V. I. Lenin as the inspirer and leader of the Bolshevik party press, March-July, 1917. V. P. Budnikov. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:43-60 '60.

RUSSIA—REVOLUTION, 1917-1921—FOOD QUESTION

From the history of the struggle of the laboring class for bread in 1918. R. V. Ivanova. Izv. Vor. gos. ped. inst. 31:52-65 '60.

RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Fomin, F. T. [Reminiscences of a former officer of the Extraordinary Commission] Zapiski starogo chekista. Moskva, Gospolitizdat, 1962. 203 p.

Kommunisticheskaia partiia Sovetskogo Soyuza. Orenburgskii oblastnoi komitet. Partinnyi arkhiv. [Called by the revolution; stories of Orenburg Bolsheviks and their struggle for the victory of the proletarian revolution and the Soviet regime] Revoliutsiei prizvanye; rasskazy ob orenburgskikh bol'shevikakh, ikh bor'ba za pobedu proletarskoi revoliutsii, za vlast' Sovetov. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1961. 100 p. (CBT-H) (CU)

"Our Chapai" by V. V. Kozlov. Reviewed by G. Bazekin. Sov. voen 45 no. 1:30 Ja '63.

RUSSIA—RURAL CONDITIONS

V. I. Lenin on the cultural transformation of the village. Z. A. Sengidachnala. Dokl. TSKHA no. 75:311-322 '62.

RUSSIA—SOCIAL CONDITIONS

Nauchnaia sessia posvyashchennaya novym obshchestvennym iavleniiam i protsessam na sovremennom etape kommunisticheskogo stroitel'stva v SSSR. Kharkov, 1960. [New social phenomena and processes at the present stage of communist construction in the U. S. S. R.] O novykh obshchestvennykh iavleniiakh i protsessakh na sovremennom etape kommunisticheskogo stroitel'stva v SSSR; doklady i vystupleniia. Kharkov, Izd-vo Khar'kovskogo univ., 1961. 204 p. (MI)

Nikolaev, N. N. [Daron Rishar's nephew] Plemiannik barona Rishara. [Moskva] Molodaiia gvardiia, 1962. 125 p. (CS-II)

RUSSIA—STATISTICS

[The national economy of the R. S. F. S. R. in 1961; statistical yearbook] Narodnoe khoziaistvo RSFSR v 1961; statisticheskii ozhegodnik. Moskva, Gosstatizdat, 1962. 623 p.

"The national economy of the U. S. S. R. in 1961"; statistical yearbook. Reviewed by B. Surganov. Plan. khoz. 39 no. 12:70-84 D '62.

RUSSIA—STATISTICS, VITAL

Some data on birthrate in the U. S. S. R. A. Vostrikova. Vest. stat. no. 12:42-46 '62.

RUSSIA—UNDERGROUND LITERATURE

"Revolutionary underground press in Russia from 1860 to 1917" by I. G. Levitas, M. A. Moskalov, P. M. Fingerit. Reviewed by M. Cherepakhov. Sov. pach. no. 1:46-47 Ja '63.

RUSSIA, NORTHERN—AIRPORTS

Concern for man is the main objective. G. Grigor'ev. Grazhd. av. 19 no. 11:5 N '62.

RUSSIA, NORTHERN—ECONOMIC POLICY

Economic development of northern regions. V. Udovenko. Vop. ekon. no. 12:122-124 D '62.

RUSSIA, NORTHERN—ELECTRIC POWER DISTRIBUTION

Electric current grounding devices in permafrost regions. N. N. Maksimenko. Elektr. sta. 33 no. 10: 66-69 O '62.

RUSSIA, NORTHERN—FREIGHT AND FREIGHTAGE

Transportation of goods in containers in the North. S. Erokhin. Sov. torg. 36 no. 12:45-46 D '62.

RUSSIA, NORTHERN—FROZEN GROUND

Akademiia stroitel'stva i arkhitektury SSSR. Institut osnovanii i podzemnykh sooruzhenii. [Instructions for the design of foundations for the southern permafrost zone] Ukazaniia po proektirovaniu osnovanii i fundamentov dlia luzhnoi zony rasprostraneniia vechnomerzlykh gruntov. Moskva, Gosstroizdat, 1962. 76 p.

RUSSIA, NORTHERN—GEOMORPHOLOGY—MAPS

Principles and methods for preparing a geomorphological map of the European U. S. S. R. and the Caucasus on a 1:2,500,000 scale. M. V. Karandeeva. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:32-36 N-D '62.

RUSSIA, NORTHERN—MAN, PRIMITIVE

Domanski, I. A. V., and A. D. Stolar. [Following the tracks of demons] Po besovym sledam. Leningrad, Izd-vo Gos. Ermitazha, 1962. 245 p. [Epilog in English]

RUSSIA, NORTHERN—REFORESTATION

Organization of reforestation work in taiga cutovers. P. N. L'vov, A. A. Panov. Les. khoz. 15 no. 11:11-15 N '62.

RUSSIA, NORTHERN—RUSSIAN LANGUAGE—DIALECTS

Nouns of the feminine gender with the suffix "-lad'" in the Russian language. I. U. S. Azarkh. Mat. i issl. po rus. dial. no. 2:150-156 '61.

Typification of the pretonic vocallam in the north Great Russian dialects. S. K. Pozharitskaia. Mat. i issl. po rus. dial. no. 2:50-73 '61.

RUSSIA, NORTHWESTERN—AGRICULTURE

The party as the organizer of the augmentation of communal animal husbandry in the northwestern R. S. F. S. R. from 1953 to 1960 [with summary in English]. V. S. Monakhov. Vest. LGU 17 no. 20:51-81 '62.

RUSSIA, NORTHWESTERN—PALEONTOLOGY, STRATIGRAPHIC

Paleoecological out-of-town session for studying the Ordovician and Devonian of the Northwestern U. S. S. R. R. L. Merklin. Paleont. zhur. no. 4:127-129 '62.

RUSSIA, NORTHWESTERN—PAVEMENTS

Kalert, A. A., and others. [Study of lightweight improved road pavements of the northwestern part of the U. S. S. R.] Issledovanie oblegchennykh usovershenstvovannykh pokrytii avtomobil'nykh dorog severo-zapadnoi chasti SSSR. [By] V. P. Bukhaev i dr. Pod red. A. A. Kalerta. Moskva, Avtotransizdat, 1962. 124 p.

RUSSIA, NORTHWESTERN—SWAMPS

"Geobotanical bases for a hydrological study of high moors" by E. A. Romanova. Reviewed by A. A. Nitsenko. Meteor. i gidrol. no. 1:56-57 Ja '63.

RUSSIA, SOUTHERN—CUCUMBERS—VARIETIES

Selecting cucumber varieties for summer sowing in the southern zone. E. T. Meshcherov. Trudy po prikl. bot., gen. i sel. 31 no. 2:251-252 '57.

RUSSIA, SOUTHERN—FIELD CROPS—DISEASES AND PESTS

"Pests of field crops in the Southeast" by K. P. Grivanov, L. Z. Zakharov. Reviewed by D. M. Kharitonov. Zashch. rast. ot vred. i bol. 5 no. 7:60-61 Ji '60.

RUSSIA, SOUTHERN—GAS, NATURAL—GEOLOGY

Lithofacies and thicknesses of Lower Cretaceous sediments in the southern part of the Caspian syncline as related to their oil and gas potentials. V. A. Benenson. Trudy VNIGRI no. 100:298-327 '62.

RUSSIA, SOUTHERN—PETROLEUM GEOLOGY

Lithofacies and thicknesses of Lower Cretaceous sediments in the southern part of the Caspian syncline as related to their oil and gas potentials. V. A. Benenson. Trudy VNIGRI no. 100:298-327 '62.

RUSSIA, SOUTHERN—RUSSIAN LANGUAGE—DIALECTS

Some instances of the loss of the archaic type of dissimilated "lakan'ye" (pronunciation of an unstressed "e" as "n" which is, however, written as "in"); from materials in the "Atlas of Russian dialects in the southwestern provinces of the R. S. F. S. R." K. F. Zakharova. Mat. i issl. po rus. dial. no. 2:40-58 '61.

RUSSIAN DRAMA—HISTORY AND CRITICISM

Masters of theater and dramaturgy. A. Gatenian. V mire knig 2 no. 11:36-37 N '62.

Shlein, A. L. [Critical realism and Russian drama of the 19th century] Kriticheski realizm i russkaia drama XIX veka. Moskva, Goslitizdat, 1962. 394 p.

RUSSIAN LANGUAGE

Firsav, O. P. [Importance of work on intonation in studying syntax and punctuation] Znachenie raboty nad intonatsiei dlia usvoeniia sintaksisa i punktatsii v shkole. Pod red. V. V. Vinogradova. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 445 p.

RUSSIAN LANGUAGE—ADJECTIVE

From the history of the functions of adjectives derived from substantives. V. A. Beloshapkov, E. A. Zemskaya. Mat. i issl. po ist. rus. lit. iaz. 5:4-25 '62.

RUSSIAN LANGUAGE—ADVERB

Solov'ova, L. V., and L. K. Chikina. [Studying the adverb in school] Izuchenie narechiia v shkole. Moskva, Uchpedgiz, 1962. 94 p.

Writing the "soft sign" after sibilants at the end of adverbs. M. V. Ushakov. Rus. iaz. v shkole 23 no. 6: 34 N-D '62.

RUSSIAN LANGUAGE—ANTONYMS

Vocabulary and style exercises in antonymy. N. I. Doroshenko. Uch. zap. Rov. gos. ped. inst. 6:323-334 '61.

RUSSIAN LANGUAGE—AUDIO-VISUAL AIDS

Use of a blackboard in explaining new material. A. M. Nefedov. Rus. iaz. v shkole 23 no. 6:27-30 N-D '62.

RUSSIAN LANGUAGE—BIBLIOGRAPHY see Bibliography—Russian language

RUSSIAN LANGUAGE—CASE

History of the dative, instrumental, and prepositional case forms of nouns in the modern Russian literary language. G. S. Kirichenko. Uch. zap. Rov. gos. ped. inst. 6:233-257 '61.

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Educational significance of creative compositions. L. S. Aizerman. Sov. pedagog. 26 no. 8:74-80 Ag '62.

Observations on the logical and stylistic role of introductory words in compositions. N. K. Kurapov. Rus. iaz. v shkole 23 no. 6:70-75 N-D '62.

RUSSIAN LANGUAGE—COMPOUND WORDS

Vasil'yevskaya, E. A. [Compound words in the Russian language] Slovoslozhenie v russkom iazyke; ocherki i nabludeniia. Moskva, Uchpedgiz, 1962. 131 p.

RUSSIAN LANGUAGE—CONGRESSES

Sixth regional research conference of the Volga Valley pedagogical institutions of higher learning. A. P. Kulagin. Rus. iaz. v shkole 23 no. 6:112-114 N-D '62.

RUSSIAN LANGUAGE—CONJUNCTIONS

Conjunction "kak esli by" in the Russian language. A. P. Sazonov. Rus. iaz. v shkole 23 no. 6:8-10 N-D '62.

RUSSIAN LANGUAGE—CONSONANTS

Consonants partially softened before labial vowels in the dialects of Kharovsk District in Vologda Province. R. F. Paufozhima. Mat. i issl. po rus. dial. no. 2:74-77 '61.

RUSSIAN LANGUAGE—DIALECTS

(see also subdivision under Bratsvo District; Kharovsk District; Russia, Northern; Russia, Southern; Tambov Province; Tula Province; Yulovo, Penza Province)

Akademiia nauk SSSR. Institut russkogo iazyka. [Problems in the theory of linguistic geography] Voprosy teorii lingvisticheskoi geografii. Pod red. R. I. Avanesova. Moskva, Izd-vo Akad. nauk SSSR, 1962. 253 p.

Concurrence of vowels in Russian dialects and its relationship to various morphological categories. T. S. Kogotkova. Mat. i issl. po rus. dial. no. 2:78-96 '61.

Dialectal characteristics of the numerals from five to ten. G. I. Matveeva. Mat. i issl. po rus. dial. no. 2: 97-102 '61.

On certain types of dialectal phraseology. V. D. Silina. Mat. i issl. po rus. dial. no. 2:160-168 '61.

Some characteristics of the passive-impersonal form in Russian dialects. V. A. Matveenko. Mat. i issl. po rus. dial. no. 2:103-139 '61.

RUSSIAN LANGUAGE—DICTIONARIES—ESTONIAN

Valke veno-estli sõnarammat. [Concise Russian-Estonian dictionary] Koostanud V. Muhel. Umbes 14,000 sõna 2., talendatud ja parandatud trükk. Tallinn, 1961. 318 p.

RUSSIAN LANGUAGE—DICTIONARIES—TURKMEN

Berkeliev, Myrat. [Russian-Turkmen dictionary of geological terms] Russko-turkmeniskii slovar' geologicheskikh terminov. Pod red. K. K. Mashrykova i V. Moskutova. Ashkhabad, Izd-vo Akad. nauk Turkmenakoi SSR, 1962. 220 p.

RUSSIAN LANGUAGE—DICTIONARIES—WHITE RUSSIAN

Iuravich, A. L. [Dictionary of linguistic terms] Slovník lingvističnykh terminov. Minsk, Vyd-va M-va vyshishai, shkol'naii spetsial'nai i profesional'nai adukatsii BSSR, 1962. 245 p.

RUSSIAN LANGUAGE—GRAMMAR

Characteristics of the government of certain verbs in Russian dialects. V. A. Ivanova. Mat. i issl. po rus. dial. no. 2:140-149 '61.

Effect of time limit and great fatigue on the recognition by children of categories of grammatical material. B. I. Dodonov. Dokl. APN no. 1:63-66 '62.

Tekuchov, A. V. [Method of grammatical analysis; a teacher's manual] Metodika grammaticheskogo razbora; posobie dlia uchitelei. Izd. 4. Kiev, "Radnits'ka shkola," 1954. 334 p. (IEN)

Testing and instructive dictation in the senior grades of evening schools. M. V. Tarasova. Rus. iaz. v shkole 23 no. 6:78-82 N-D '62.

RUSSIAN LANGUAGE—GRAMMAR, COMPARATIVE—ENGLISH

Comparing words of a foreign language with those of the native language; on materials from the English language. M. I. Spektor. Uch. zap. Rov. gos. ped. inst. 6:335-339 '61.

RUSSIAN LANGUAGE—GRAMMAR, COMPARATIVE—WHITE RUSSIAN

Russian and White Russian language ties according to data in dialectological atlases. V. G. Orlova. Mat. i issl. po rus. dial. no. 2:3-14 '61.

RUSSIAN LANGUAGE—GRAMMAR, HISTORICAL

Chernykh, P. Ia. [Historical grammar of the Russian language] *Istoricheskaya grammatika russkogo iazyka; kratkii ocherk. Posobie dlia pedagogicheskikh institutov.* Izd. 3. Moskva, Uchpedgiz, 1962. 374 p.

RUSSIAN LANGUAGE—LEXICOLOGY

"Tables on the lexicology of the Russian language" by A. V. Khlebnikova. Reviewed by P. Kolosov. *Rus. iaz. v shkole* 23 no. 6:101-102 N-D '62.

RUSSIAN LANGUAGE—MAPS

Akademiia nauk SSSR. Institut russkogo iazyka. [Problems in the theory of linguistic geography] *Voprosy teorii lingvističeskoj geografii.* Pod red. R. I. Avanesova. Moskva, Izd-vo Akad. nauk SSSR, 1962. 253 p.

RUSSIAN LANGUAGE—NOUN

Individual word formation in the Russian literary language of the 19th century; on nouns. V. N. Kokhacheva. *Mat. i issl. po ist. rus. lit. iaz.* 5:160-182 '62.

Nouns of the feminine gender with the suffix "-iad'" in the Russian language. I. S. Azarkh. *Mat. i issl. po rus. dial.* no. 2:150-159 '61.

Participation of students during the study of the subject "Noun." V. A. Kustareva. *Nach. shkola* 30 no. 12:18-22 D '62.

RUSSIAN LANGUAGE—NUMERALS

Dialectal characteristics of the numerals from five to ten. G. I. Matveeva. *Mat. i issl. po rus. dial.* no. 2: 97-102 '61.

RUSSIAN LANGUAGE—OLD RUSSIAN—SYNTAX

Stetsenko, A. N. [The compound sentence in Old Russian. *Slozhnosochinennoe predloženie v drevnerusskom iazyke.* Tomsk, Izd-vo Tomskogo univ., 1962. 131 p.

RUSSIAN LANGUAGE—ORTHOGRAPHY

How to use brief orthographical dictionaries in Russian language classwork. R. Zhivotkevich. *Nar. osv.* no. 11:31-35 N '62.

Orthography. T. S. Voroshilova and others. *Rus. iaz. v shkole* 23 no. 6:87-94 N-D '62.

Rostov-on-Don. Universitet. [Russian orthography and punctuation; a textbook] *Ortografija i punktuacija russkogo iazyka; uchebnoe posobie.* Rostov-na-Donu, 1962. 139 p.

[MICROFILM]

Rozental', D. M. [Problems of Russian spelling] *Voprosy russkogo pravopisaniia; praktičeskoe rukovodstvo.* [Moskva] Izd-vo Mosk. univ., 1962. 156 p.

Some causes of wrong orthographical generalizations in students. Report No. 4: Wrong generalizations due to the exercises selected by the teacher. N. N. Atgazin. *Dokl. APN* no. 1:55-56 '62.

Studying the spelling of short participles and adjectives. A. S. Khasanova. *Rus. iaz. v shkole* 23 no. 6:40-42 N-D '62.

RUSSIAN LANGUAGE—PREPOSITIONS

Adverbial prepositions of a spatial meaning in "Annals of the passing years." Z. S. Shkaran. *Uch. zap. Rov. gos. ped. inst.* 6:275-291 '61.

Bondarenko, V. S. [Prepositions in present-day Russian] *Predložgi v sovremennom russkom iazyke.* Moskva, Uchpedgiz, 1961. 74 p.

(MH)

Formation of Russian denominative prepositions. E. T. Cherkasova. *Mat. i issl. po ist. rus. lit. iaz.* 5:111-152 '62.

How to speak correctly. V. A. Dobromyslov. *Nauka i zhizn'* 20 no. 11:88-89 N '62.

RUSSIAN LANGUAGE—PRONOUN

Studying the pronoun in the fourth grade of White Russian schools in Russian and White Russian language classes. M. Emel'ianchik. *Nar. osv.* no. 12:35-38 D '62.

RUSSIAN LANGUAGE—PRONUNCIATION

Pronunciation. L. Kuznetsova, S. Kuz'mina. *Sem'ia i shkola* 18 no. 1:48 Ja '63.

The restrained "takan'ye" (pronunciation of an unstressed "e" as "a" which is, however, written as "ia") in the Tula dialects. N. B. Parikova. *Mat. i issl. po rus. dial.* no. 2:15-39 '61.

Some instances of the loss of the archaic type of disimilated "takan'ye" (pronunciation of an unstressed "o" as "a" which is, however, written as "ia"); from materials in the "Atlas of Russian dialects in the southwestern provinces of the R. S. F. S. R." K. F. Zakharova. *Mat. i issl. po rus. dial.* no. 2:40-58 '61.

Typification of the pretonic vocalism in the north Great Russian dialects. S. K. Pozharitskaja. *Mat. i issl. po rus. dial.* no. 2:59-73 '61.

RUSSIAN LANGUAGE—PUNCTUATION

Aleksandrov, A. M. [Exercises in syntax and punctuation; a manual for teachers] *Uprazhnenija po sintaksisu i punktuacii; posobie dlia učitelei.* Moskva, Gos. uchebno-pedagog. izd-vo, 1960. 105 p.

Orthography. T. S. Voroshilova and others. *Rus. iaz. v shkole* 23 no. 6:87-94 N-D '62.

Rostov-on-Don. Universitet. [Russian orthography and punctuation; a textbook] *Ortografija i punktuacija russkogo iazyka; uchebnoe posobie.* Rostov-na-Donu, 1962. 139 p.

[MICROFILM]

Rozental', D. M. [Problems of Russian spelling] *Voprosy russkogo pravopisaniia; praktičeskoe rukovodstvo.* [Moskva] Izd-vo Mosk. univ., 1962. 156 p.

RUSSIAN LANGUAGE—RESEARCH

Coordination of research work on the methodology of the Russian language. A. V. Tekuchev. *Rus. iaz. v shkole* 23 no. 6:109-112 N-D '62.

RUSSIAN LANGUAGE—SENTENCES

"Compound sentence" by M. G. Leshchinskaja. Reviewed by S. A. Fessalonitskij. *Rus. iaz. v shkole* 23 no. 6: 99-100 N-D '62.

Comprehension of a sentence by secondary-school students. V. A. Myzina. *Dokl. APN* no. 1:57-62 '62.

Lexical-grammatical functions of demonstrative words in complex sentences. V. V. Babatseva. *Rus. iaz. v shkole* 23 no. 6:3-7 N-D '62.

Working on a sentence in the first grade. I. V. Prokopovich. *Nach. shkola* 30 no. 12:13-17 D '62.

Working on complex sentences in the seventh grade. M. M. Medvedev. *Rus. iaz. v shkole* 23 no. 6:50-59 N-D '62.

RUSSIAN LANGUAGE—SPOKEN RUSSIAN

Working on the speech development of the sixth-grade students. M. Getmanskij. *Rus. iaz. v shkole* 23 no. 6: 43-45 N-D '62.

RUSSIAN LANGUAGE—STUDY AND TEACHING

(see also subdivision under Azerbaijan; Poland; Udmurt A. S. S. R.; White Russia)

Children will speak correctly following your example. G. Lebedeva. *Doshk. vosp.* 35 no. 10:61-64 O '62.

Creative dictation on I. I. Shishkin's painting "Morning in a pine forest." D. E. Gorelik. *Rus. iaz. v shkole* 23 no. 6:59-60 N-D '62.

E. S. Tsirina on teaching the modern Russian language. E. I. Korotaeva. *Rus. iaz. v shkole* 23 no. 6:95-98 N-D '62.

Editor's mail. *Rus. iaz. v shkole* 23 no. 6:115-122 N-D '62.

Elements of play in the fifth-grade Russian language classes. A. N. Shchukin. *Rus. iaz. v shkole* 23 no. 6: 31-33 N-D '62.

Every student should master the Russian language. V. S. Sukhorukova. *Rus. iaz. v shkole* 23 no. 6:23-28 N-D '62.

Extracurricular reading lessons in the second grade. I. N. Astashenko. *Nach. shkola* 30 no. 12:36-40 D '62.

Lessons in Russian and White Russian languages. V. Ivenov. *Nar. osv.* no. 11:47-50 N '62.

Let's improve the methods of questioning and evaluating the knowledge, skills and habits of Russian language students. M. L. Gryzlova. *Rus. iaz. v shkole* 23 no. 6:1-2 N-D '62.

Preventing dialect mistakes in oral and written speech of students. G. F. Misanikov. *Rus. iaz. v shkole* 23 no. 6:61-64 N-D '62.

Review of studied material in the schools with longer hours. L. B. Shaposhnikova. *Rus. iaz. v shkole* 23 no. 6:35-39 N-D '62.

Russian language study in senior grades. N. N. Lulakov. *Rus. iaz. v shkole* 23 no. 6:75-78 N-D '62.

Stylistic mistakes of the students of grades 6-10. G. Kolesnikova, E. Sklovskaja. *Uch. zap. Rov. gos. ped. inst.* no. 37:115-126 '62.

Vlasova, E. N. [Independent work of students in grades 5-7 during Russian language lessons] *Samostatel'naja rabota učaščichkhia V-VII klassov na urokakh russkogo iazyka.* Pod red. G. P. Firsova. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1960. 43 p. (Pedagogičeskije čtenija) (ICU)

Vocabulary and style exercises in antonymy. N. I. Doroshenko. *Uch. zap. Rov. gos. ped. inst.* 6:323-334 '61.

Working on the Russian language in the eighth grade. S. E. Kriuchkov, I. I. Kulibaba. *Rus. iaz. v shkole* 23 no. 6:64-70 N-D '62.

RUSSIAN LANGUAGE—STYLE

History of the genitive qualitative in the Russian literary language of the 18th and 19th centuries; on lexical limitations in syntax. N. I. Shvedova. *Mat. i issl. po ist. rus. lit. iaz.* 5:50-70 '62.

Language of contemporary Soviet poetry. L. Grandina. *Izv. AN Latv. SSR* no. 4:21-37 '61.

Lisvinov, N. G. [Problems of style in the Russian language; for journalists] *Voprosy stilistiki russkogo iazyka.* Moskva, Izd-vo VPSH i AON pri TsK KPSS, (V pomoshch' gazetyim rabotnikam) Pt. 2. 1962. 158 p.

[MICROFILM]

On the cultural element of the Russian language. M. P. Ivchenko. *Uch. zap. Rov. gos. ped. inst.* 6:292-322 '61.

Pustolovt, P. G. [Word and image in literary works] *Slovo i obraz v khudozhestvennom proizvedenii.* Moskva, Izd-vo "Znanie," 1962. 31 p. (Novoe v zhizni, nauka, tekhnika, VI Seriya: Literatura i iskusstvo, no. 1)

Some characteristics of the language and style of M. Gor'ki's early romantic stories. L. D. Kondrashchenko. *Uch. zap. Rov. gos. ped. inst.* 6:203-232 '61.

Some observations on the vocabulary used by M. I. Lermontov in his prose works; words designating concepts of the inner world. N. Komarova. *Izv. AN Latv. SSR* no. 4:39-48 '61.

Studies on the development of some verbal combinations in the Russian literary language of the 19th century. V. M. Filippova. *Mat. i issl. po ist. rus. lit. iaz.* 5:26-49 '62.

Stylistic use of terminological vocabulary in L. Leonov's novel "Skutarevskij." E. Fink. *Uch. zap. Knib. gos. ped. inst.* no. 37:94-101 '62.

Traditions of lofty style in the vocabulary of the Russian literary language from the first half of the 19th century. V. D. Levin. *Mat. i issl. po ist. rus. lit. iaz.* 5:183-214 '62.

Written assignments on style for normal school students. N. Dudin. *Rus. iaz. v shkole* 23 no. 6:82-86 N-D '62.

RUSSIAN LANGUAGE—SYNONYMS

Synonymic correlation of nouns of various word-building types in the Russian literary language of the first third of the 18th century. V. P. Zubrodchenko. *Uch. zap. Tif. gos. ped. inst.* no. 9:237-246 '60.

RUSSIAN LANGUAGE—SYNTAX

Aleksandrov, A. M. [Exercises in syntax and punctuation; a manual for teachers] *Uprazhnenija po sintaksisu i punktuacii; posobie dlia učitelei.* Moskva, Gos. uchebno-pedagog. izd-vo, 1960. 105 p.

(MDW)

History of the genitive qualitative in the Russian literary language of the 18th and 19th centuries; on lexical limitations in syntax. N. I. Shvedova. *Mat. i issl. po ist. rus. lit. iaz.* 5:50-70 '62.

Studying the topic "Object" in the seventh grade. M. A. Fedenko, A. S. Shlagan. *Rus. iaz. v shkole* 23 no. 6: 45-49 N-D '62.

Syntactical order in the early works of Hertzsen. A. B. Shapiro. *Mat. i issl. po ist. rus. lit. iaz.* 5:71-110 '62.

RUSSIAN LANGUAGE—TERMS AND PHRASES

Bel'chikov, I. A. [V. G. Belinskij's vocabulary of socio-political terms] *Obščestvenno-političeskaja leksika V. G. Belinskogo.* [Moskva] Izd-vo Mosk. univ., 1962. 131 p.

On certain types of dialectal phraseology. V. B. Silina. *Mat. i issl. po rus. dial.* no. 2:160-168 '61.

RUSSIAN LANGUAGE—VERB

Materials on the history of aspectual correlations of the verb; primary verbs of the imperfective aspect in the Russian literary language at the end of the 18th and beginning of the 19th century. N. S. Avilova. *Mat. i issl. po ist. rus. lit. iaz.* 5:153-165 '62.

Studies on the development of some verbal combinations in the Russian literary language of the 19th century. V. M. Filippova. *Mat. i issl. po ist. rus. lit. iaz.* 5:26-49 '62.

RUSSIAN LANGUAGE—VOICE

Some characteristics of the passive-impersonal form in Russian dialects. V. A. Matveenko. *Mat. i issl. po rus. dial.* no. 2:103-139 '61.

RUSSIAN LANGUAGE—VOWELS

Concurrence of vowels in Russian dialects and its relationship to various morphologic categories. T. S. Kogotkova. *Mat. i issl. po rus. dial.* no. 2:78-96 '61.

RUSSIAN LANGUAGE—WORD FORMATION

Individual word formation in the Russian literary language of the 19th century; on nouns. V. N. Kokhacheva. *Mat. i issl. po ist. rus. lit. iaz.* 5:166-182 '62.

RUSSIAN LANGUAGE—WORDS

Biography of words. Lev Uspenskij. *Nauka i zhizn'* 20 no. 11:77-80 N '62.

Dialectic vocabulary in M. M. Prishvin's "In the land of unfrightened birds." G. Ryzhikova. *Uch. zap. Knib. gos. ped. inst.* no. 37:84-93 '62.

Let's talk about the language. A. Reformatskij, L. Krysin, L. Skvortsov. *Sem'ia i shkola* 17 no. 1:14-44 N '62.

Traditions of lofty style in the vocabulary of the Russian literary language from the first half of the 19th century. V. D. Levin. *Mat. i issl. po ist. rus. lit. iaz.* 5:183-214 '62.

RUSSIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Russian literature

RUSSIAN LITERATURE—HISTORY AND CRITICISM

Barabash, Iurij. [Winged realism; literary notes] *Krylatyj realizm; literaturno-krytyčeskie notatki.* [Kharkiv] Kharkivs'ke knyžkove vyd-vo, 1961. 236 p. (NNC)

Chief feature of our contemporary. Georgij Markov. *V mire knig* 3 no. 1:1-2 Ja '63.

Degree of nobility. Gleb Goryahin. *Znamia* 32 no. 9: 182-188 S '62.

Humaneness! M. Kuznetsov. *V mire knig* 3 no. 1:22-27 Ja '63.

RUSSIAN LITERATURE — HISTORY AND CRITICISM (Continued)

My contemporary. . . Irina Velembovskaya. Znamia 32 no. 9:175-181 S '62.
Not a boy, but a man! Igor' Zolotusskii. Znamia 32 no. 9:189-190 S '62.
Practically from a notebook. Georgii Semenov. Znamia 32 no. 9:194-196 S '62.
Pustovolt, P. G. [Word and image in literary works] Slovo i obraz v khudozhestvennom proizvedenii. Moskva, Izd-vo "Znanie," 1962. 31 p. (Novoe v zhizni, nauke, tekhnike. VI Seriya: Literatura i iskusstvo, no. 1)
Questions addressed to myself. Eduard Shim. Znamia 32 no. 9:197-202 S '62.
Role of Antioch Kantemir in the formation of Russian literary criticism. A. K. Ushakov. Uch. zap. Rov. gos. ped. inst. 6:107-126 '61.
Socialist labor and the spiritual aspect of the hero. K. V. Naumov. Uch. zap. Rov. gos. ped. inst. 5:24-61 '61.

RUSSIAN LITERATURE—STUDY AND TEACHING (see also subdivision under Uzbekistan)

Lipav, A. A. [Teaching Russian literature in the 8th grade in non-Russian schools] Predpodavanie russkoi literatury v IX klasse nerusskoi shkoly. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1959. 513 p.
(NNU) (OU)

Smirnov, S. A. [Teaching literature in grades 5-8] Predpodavanie literatury v V-VIII klassakh. Moskva, Uchpedgiz, 1962. 208 p.
Study of literature. Georgii Savchenko. Sem'ia i shkola 17 no. 12:8-9 D '62.

RUSSIAN NEWSPAPERS

(see also subdivision under White Russia)
Commendable initiative of Soviet newspapers. Sov. deput. trud. no. 1:91 Ja '63.
In the interest of the reader. K. Bogolubov. Sov. pech. no. 12:43-44 D '62.
Inspiring example of "Pravda." Vest. sel'khoz. nauki 7 no. 5:3-5 My '62.
No. 5 Pushkin Square. K. Taradankin. Sov. pech. no. 1: 26-21 Ja '63.
Organizational role of a newspaper. Part. zhizn' no. 1: 69-72 Ja '62.
Our "Pravda." A. Artsukhina. Rab. i sial. 38 no. 5: 2-3 My '62.
Sabadyrov, I. L. [The Bolshevik press on revolutionary events in Moldavia from 1901 to 1917] Dol'sheviatskaya pechat' o revoliutsionnykh sobytiyakh v Moldavii, 1901-1917 gody; k 50-letliu "Pravdy," Kishinev, Kartia moldoveniaske, 1962. 49 p.
Some deputies took the floor too. Sov. deput. trud. no. 9:88-89 S '62.
To Lenin's "Pravda." T. D. Lyenko and others. Vest. sel'khoz. nauki 7 no. 5:6-7 My '62.
We like these news stories! Sov. deput. trud. no. 9:89 S '62.

RUSSIAN NEWSPAPERS—BIBLIOGRAPHY see Bibliography—Russian newspapers

RUSSIAN NEWSPAPERS—INDEXES

[Chronicle of newspaper articles] Lot, gazot, st. no. 1 '63.

RUSSIAN OLIVE see Oleaster

RUSSIAN PAINTINGS see Paintings, Russian

RUSSIAN PERIODICALS—BIBLIOGRAPHY see Bibliography—Russian periodicals

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] Lot, zhur. st. nos. 3-8 '63.
Index to the articles and materials published in "Sovetskaya Pechat'" during 1962. Sov. pech. no. 12: 61-63 D '62.

RUSSIAN PLAIN see East European Plain

RUSSIAN PLATFORM—GEOLOGY, STRATIGRAPHY

Lower boundary of the Triassic in the Russian Platform. E. M. Litkevich. Trudy VNIGRI no. 190:275-286 '62.
Main features of the stratigraphy of Jurassic deposits of the Carpathian trough and the southwestern borderland of the Russian Platform. V. N. Urobin. Dokl. AN SSSR 147 no. 4:908-911 D '62.
Volume, subdivisions, and position of the lower boundary of the Pleistocene in the outer glacial zone of the Russian Platform. A. I. Moskvitin. Trudy Kom. chetv. per. 20:161-164 '62.

RUSSIAN PLATFORM—ROCKS, SEDIMENTARY

Geochemical characteristics of ancient formations in the Russian Platform. TS. N. Pitkovskaya. Trudy VNIGRI no. 190:259-274 '62.

RUSSIAN PLATFORM—WATER, UNDERGROUND

Akademii nauk BSSR, Minsk. Laboratoriia gidrogeologicheskikh problem imeni F. P. Savaren'skogo. [Underground waters in the central and western parts of the Russian Platform (Paleozoic)] Podzemnye vody tsentralnoi i zapadnoi chastei Russkoi platformy (paleozol). [By] G. V. Bogomolov i dr. Minsk, Izd-vo Akad. nauk BSSR, 1962. 167 p.

RUSSIAN POETRY—COLLECTIONS

[The Community; a poet's first book of poems] Obshchezhitie; pervaya kniga poeta. [By] O. Dmitriev i dr. [Moskva] Molodaia gvardiia, 1961. 253 p.
(MI)
[Revelation; verse] Otkrovenie; stikhi. [Red. T. II'ina. Moskva] Mosk. rabochii, 1962. 191 p.
(MH) (MIU)
Terapiano, IU. K., ed. [The muse of the Diaspora; selected verse of our poets in foreign countries, 1920-1960] Muza Diaspory; izbrannye stikhi zarubezhnykh poetov, 1920-1960. [Frankfurt am Main] Posev, [1960] 360 p.
(MIU)

RUSSIAN POETRY—HISTORY AND CRITICISM

"Community; first book of the poet" by O. Dmitriev and others. Reviewed by L. Anninskii. Znamia 32 no. 9: 215-219 S '62.
Kulnich, A. V. [Soviet Russian poetry of the 1930's] Russkaya Sovetskaya poezia 30-kh godov. [Kiev] Izd-vo Kievskogo univ., 1962. 165 p.
Language of contemporary Soviet poetry. L. Grandina. Izv. AN Latv. SSR no. 4:21-37 '61.
Something subjective. . . Stanislav Kuniav. Znamia 32 no. 9:191-193 S '62.

RUSSIAN SATELLITES see Communist Countries

RUSSIAN SOCIAL DEMOCRATIC PARTY

(see also subdivision under Nizhny Novgorod Government)
An account on the work of the Longjumeau Party School. Submitted by IU. N. Amiantov, R. Z. Iunitskaya. Ist. arkh. 8 no. 5:36-56 S-O '62.
Alexandrova, Vera, pseud. [This I remember; 1917-1921] Porezhitoe, 1917-1921 gg. [n. p.] 1962. 83 p. (Inter-university Project on the History of the Menshevik Movement. Paper no. 12)
(MI)
Bolshevik tactics in municipal campaigns; materials on the elections to the Krasnoyarsk and Omsk town councils [with summary in English]. V. A. Ovatankin, S. A. Sidorenko. Vest. LGU 17 no. 20:32-50 '62.
Dvynov, D. L. [First World War and the Russian Social Democratic Party] Pervaya mirovaya volna i Rossiiskaya sotsial-demokratiia. New York, 1962. 239 p. (Interuniversity Project on the History of the Menshevik Movement. Paper, no. 10)
How V. I. Lenin defended and sustained the proposed program for the newspaper "Iskra" before the Second Congress of the Russian Social Democratic Party. B. M. Shcherbanenko. Shor. nauch. rob. kaf. ist. KPSS vuzov g. Khar. no. 4:15-28 '60.
Imminence of a revolutionary crisis in Russia and "Iskra's" struggle for the realization of Lenin's idea of the alliance of workers and peasants. F. I. Fomichev. Uch. zap. Orekh.-Zuev. ped. inst. 12:5-62 '58.
Lenin's efforts to organize the Marxist party as a decisive factor in the establishment of a revolutionary alliance of Russian workers and peasants. F. I. Fomichev. Uch. zap. Orekh.-Zuev. ped. inst. 12:63-92 '58.
Nevlarovskaya, E. V. [The Bolshevik party during the years of reaction, 1907-1910] Partiya bol'shevikov v gody reaktsii, 1907-1910 gg.; lektsii, prochlennyye v Vysshei partinnoi shkole pri TsK KPSS. Moskva, Vysshiaia partinnaia shkola pri TsK KPSS, 1957. 98 p.
(TxIR)

Shakhovskoi, L. F. [The Bolshevik Party during the first Russian revolution, 1905-1907] Partiya bol'shevikov v period pervoi russkoi revoliutsii, 1905-1907 gg.; lektsii, prochlennyye v Vysshei partinnoi shkole pri TsK KPSS. Moskva, Vysshiaia partinnaia shkola pri TsK KPSS, 1957. 158 p.
(TxIR)
Shakhovskoi, L. F. [The Bolshevik Party in the Revolution of 1905-1907] Partiya bol'shevikov v Revoliutsii 1905-1907 gg.; tema 3. Izd. 2. Moskva, Izd-vo VPSH, 1960. 138 p. (Istoriia KPSS; kurs lektsii)
(CU)

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

Velichai, P. L. [The party conference at Prague] Praz'ska partinnaia konferentsiia. Kyiv, Derzh. vyd-vo polit. lit-ry, 1962. 85 p.
(CSR-H)

RUSSIAN STUDIES

(see also subdivision under United States)
"Critical evaluation of the bourgeois conceptions of Russian history in the period of feudalism." Reviewed by I. P. Shaskol'skii. Vop. ist. 38 no. 1:130-133 Ja '63.

RUSTAVI—COKE-OVEN GAS

Removal of sulfur compounds from coke gas by means of sludge from potassium permanganate production. M. IA. Gdzelskii. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:40-55 '62.

RUSTAVI—POTASSIUM PERMANGANATE

Effect of silicon and potassium chloride on the production of potassium permanganate by electrolysis. M. IA. Gdzelskii, R. I. Agladze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:13-26 '62.

Preparation of hydrogen and potassium permanganate by the anodic solution of ferromanganese. R. I. Agladze, M. IA. Gdzelskii. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:3-11 '62.

RUSTAVI—PUBLIC HEALTH

New cities. S. Stetskov, D. Makarov. Zdorov'e 8 no. 12:7-8 D '62.

RUSTS (FUNGI)

(see also subdivision under Ural Mountains)
Sugar beet rust. V. A. Agarkov. Zashch. rast. ot vred. i bol. 5 no. 11:36-38 N '60.

RUTHENIA see Transcarpathia

RYAZAN—CALCULATING MACHINES

Life requires accounting. M. Shebeglov. NTO 4 no. 12: 14-16 D '62.

RYAZAN—ELECTRIC EQUIPMENT INDUSTRY

[From one congress to the other; a talk with B. T. Stantsov, agitator of the Riazan plant "Teplopribor." Ot s'ezda k s'ezdu; beseda agitatora riazanskogo zavoda "Teplopribor" B. T. Stantsova. [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 15 p.

RYAZAN—MACHINE-TOOL INDUSTRY

At the Ryzan Machine-Tool Plant. R. M. Davydova. Mashinostroitel' no. 12:42 D '62.

RYAZAN PROVINCE—CORN (MAIZE)

Using new herbicides in the corn fields of Ryzan and Vladimir Provinces. O. D. Mikitiuk, L. I. Kobazeva. Shor. stud. nauch.-issl. rab. TSKHA no. 11:225-230 '62.

RYAZAN PROVINCE—RURAL ELECTRIFICATION

Kaznacheev, A. A. [Electrification of farms in Ryzan Province] Elektrifikatsiia riazanskogo sela. [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 22 p.
On the eve of complete electrification. A. Kaznacheev. Sel'. stol. 15 no. 4:3-5 Ap '60.

RYAZANSK DISTRICT—COLLECTIVE FARMS

Efficiency of intensification on collective farms. I. Shebanin, R. Krotkova. Ekon. sel'khoz. 34 no. 1: 44-40 Ja '63.

RYAZANSK REGION—AGRICULTURAL ADMINISTRATION

Let us tell you about inspector Bozhuk's work. S. Shkurlov. Sov. deput. trud. no. 3:34 S '62.

RYBAK, NATAN SAMILOVICH, 1913-

Physics, atoms, and peace; an interview with Natan Rybak. M. Dolinskii, S. Chertok. V mire knig 3 no. 1:42-43 Ja '63.

RYBINSK—PRINTING MACHINERY AND SUPPLIES

Suggested by the voluntary design office. N. Kunkin. NTO 4 no. 11:19 N '62.

RYBNITSA DISTRICT—SOILS

Soils in Rybnitsa District, Moldavian S. S. R. I. L. Shestakov, I. I. Shilikhina. Pochvy raion. Mold. i ikh rats. lepoi'. no. 1:28-41 '61.

RYE

Extensive tillering of winter rye and wheat as a factor increasing their yield. I. M. Lehen'kyl. Nauk. pratsi asp. UASHIN no. 5:46-52 '60.
Practices in the preparation of rye flour. A. Suprunov, F. Grishko. Muk. elov. prom. 28 no. 10:13-15 O '62.

RYL'S'KYI, MAKSYM, 1896-

Byakalo, S. K. [Maksim Ryl's'kyl; a literary portrait] Maksym Ryl's'kyl literaturnyi portret. Kyiv, Derzhil'tvydav, 1962. 115 p.
(MI)

RZHEV—EFFICIENCY, INDUSTRIAL

The guardsmen of the seven-year plan. I. Skorobogatov. Mest. prom. i khud. promys. 3 no. 11:2 N '62.

SACHSENHAUSEN (CONCENTRATION CAMP)

Sachsenhausen. Mol. mira no. 11/12:7-8 '61.

SAFETY APPLIANCES

Technological information. S. Gandsiug and others. Okhr. truda i sots. strakh. 6 no. 1:34-37 Ja '63.

SAFETY GOOGLES

Relay race in a labyrinth. A. Tupitsyn. Okhr. truda i sots. strakh. 6 no. 1:31-32 Ja '63.

SAILORS' SONGS

Gippius, E. V. ["The boundless expanse of the sea; history of a song." "Taskinulos" more shiroko; istoriia pesni. Moskva, Sovetskii kompozitor, 1962. 36 p. (V pomoshch' slushatellam narodnykh universitetov. Besedy o muzyke)

SAINFOIN

A new local strain of root nodule bacteria. Vsesoyuz. sel'khoz. nauki 5 no. 12:107-108

SAINTS

Kologriwof, Iwan von. [Outline history of Russian sanctity] Ocherki po istorii russkoi sviatosti. Bruses, Zhizn' s Bogom, 1961. 415 p. (MH) (CIV)

SAKHALIN—APPLE

Dormancy and winter hardness of apple trees in Sakhalin. T.G. Voronova. Vest. sel'khoz. nauki 7 no. 5:119-122 My '62.

SAKHALIN—BITUMEN

Evaluation of the bitumen content in the standard luminescence analysis. N. B. Vassoevich, M. A. Gershtein. Trudy VNIGRI no. 190:473-477 '62.

SAKHALIN—PETROLEUM GEOLOGY

Carbon ratio and its application for the estimation of oil potential in Sakhalin. I. U. S. Mavrin. Trudy VNIGRI no. 190:170-176 '62.

SAKHALIN—SPORADIC E (IONOSPHERE)

Regularities of the E-layer over southern Sakhalin. R. V. Komova. Geomag. i aer. 2 no. 6:1146-1147 N-D '62.

SAKMARA VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of the Late Pre-Cambrian in the Ural-Tau area of the middle Sakmara River in the Southern Ural. S. S. Gorokhov. Izv. vyz. ucheb. zav.; geol. i razv. 5 no. 10:26-36 O '62.

SALAD DRESSINGS

Preparation of mayonnaise. A. Markov. Obshchestv. pit. no. 11:28, 29 N '62.

SALAVAT—APARTMENT HOUSES

Salavat. A. Kazakov. Zhil. stroi. no. 12:23-25 '62.

SALAVAT—PETROLEUM INDUSTRY

Plans, initiative, and life. I. Berezovskii. Part zhizn' no. 3:27-33 F '63.

SALEKHARD HYDROELECTRIC POWER STATION—DAMS

Studying thermal conditions in the body and the foundation of the earth dam of the Salekhard Hydroelectric Power Station during its construction and exploitation. V. A. Kudriavtsev and others. Merz. iisl. no. 1:255-306 '61.

SALEKHARD REGION—FROZEN GROUND

Vein ice and peat mounds in the Salekhard region. N. S. Danilova. Trudy Inst. merz. i AN SSSR 19:75-80 '62.

SALEKHARD REGION—FROZEN GROUND—ELECTRIC PROPERTIES

Specific electric conductivity of frozen ground of natural structure from the Salekhard region. A. A. Ananin, V. P. Dobrovolskii. Merz. iisl. no. 1:210-226 '61.

SALEKHARD REGION—PEAT BOGS

Vein ice and peat mounds in the Salekhard region. N. S. Danilova. Trudy Inst. merz. i AN SSSR 19:75-80 '62.

SALEKHARD REGION—SOILS

Residual alluvial turf soils of the wooded tundra in the Ob' Valley [with summary in English]. L. F. Kaplun. Pochvovedenie no. 11:34-44 N '62.

SALESMEN AND SALESMANSHIP see subdivision under Voronezh

SALINE AND ALKALI SOILS see subdivision under Alazani Valley; Colodnaya Steppe; Uzbekistan; Volga Delta; Volga Valley

SALMON

Results of experiments in organizing the food supply for young salmon in ponds with low water temperature. M. M. Isakova-Kee. Trudy PBI no. 19:136-148 '62.

SALMON FISHING see subdivision under Turukhansk

SALT

Adding salt to soil as a method of preventing frost heave of foundations. I. V. Boiko. Osn., fund. i mekh. grun. 4 no. 6:13-15 '62.

Control of the content of common salt in mixed feeds. D. Marnov. Muk. -elcv. prom. 28 no. 10:9-10 O '62.

Dislocation structure in NaCl crystals resulting from deformation by concentrated loading. A. A. Predvoditel'ev, V. N. Rozhanakii, V. M. Stepanova. Kristallografiya 7 no. 3:418-424 My-Je '62.

Genesis of dislocations in lithium fluoride and sodium chloride crystals caused by vibration. E. G. Shvidkovskii, N. A. Tlapunina, E. P. Belozereva. Kristallografiya 7 no. 3:473-474 My-Je '62.

SALT—ELASTIC PROPERTIES

Third-order elastic constants of NaCl type crystals. A. A. Nran'ian. Fiz. tver. tela 5 no. 1:177-186 Ja '63.

SALT CRYSTALS

Notes on the growth and mechanical properties of NaCl whisker crystals. B. Jenzenszky, E. Hartmann. Kristallografiya 7 no. 3:433-436 My-Je '62.

Studying whisker crystals of sodium chloride by the microradiographic method. I. N. Zimkin, E. M. Nadgornyi, B. I. Smirnov. Fiz. tver. tela 5 no. 1:170-176 Ja '63.

SALT DEPOSITS

Mystery of salt layers. T. Chystakova. Nauka i zhyttia 12 no. 9:34-36 S '62.

SALT DOMES

Estimation of the role of gravity in the process of the formation of salt domes. V. I. Kityk. Trudy Inst. geol. pol. iskop. AN URSR 5:42-58 '62.

SALT INDUSTRY—EQUIPMENT AND SUPPLIES

Salt classification and dust removal by means of air blowing systems. K. N. Shishkin, N. G. Pakhura. Khar. prom. no. 4:63-66 O-D '62.

SALT MINES AND MINING

Effect of blasting on the interchamber pillars and ceilings. V. V. Mishyn. Khar. prom. no. 4:60-63 O-D '62.

SALTWORK see subdivision under Tajikistan

SALTYKOV, MIKHAIL EVGRAFOVICH, 1826-1889—

BIBLIOGRAPHY see Bibliography—Saltykov, Mikhail Evgrafovich, 1826-1889

SALVAGE

Judicial practice in the examination of maritime conflicts in France. Inform. sbor. TSNIIMF no. 82. Mor. pravo i prak. no. 18:86-87 '62.

SALZBURG—MUSIC FESTIVALS

Opera and ballet at the Salzburg Festival. M. Rubin. Sov. muz. 26 no. 12:126-128 D '62.

SAMARIUM

Deformation splitting of lines in the spectra of alkaline earth fluoride crystals activated with Sm and Eu divalent ions. A. A. Kaplanskii, A. K. Przhnevskii. Opt. i spekt. 13 no. 6:882-884 '62.

SAMARKAND—INDUSTRIES

If you compare... Z. Munirov. Mest. prom. i khud. promys. 3 no. 11:6-7 N '62.

SAMARKAND—SEPOLCHRAL MONUMENTS

The pseudo "Ulug-begum" mausoleum in Shakhi-Zind. V. A. Shishkin. Obshchestv. nauki v Uz. 6 no. 11:66-67 '62.

SAMARKAND—SOCIALIST COMPETITION

Guidance in socialist competition is necessary. A. Umarov. Part. zhizn' [Uzb.] 5 no. 11:26-28 N '62.

SAMARKAND PROVINCE—COWPEAS

Companion crops of sorgo in Uzbekistan [with summaries in English, German, and French]. A. F. Sorochenkova. Vest. sel'khoz. nauki 7 no. 5:36-39 My '62.

SAMARKAND PROVINCE—DARKLING BEETLES

Darkling beetles (Coleoptera, Tenebrionidae) injurious to field crops in Samarkand Province [with summary in English]. T. Safarov. Ent. oboz. 41 no. 4:748-750 '62.

SAMARKAND PROVINCE—FIELD CROPS—DISEASES AND PESTS

Darkling beetles (Coleoptera, Tenebrionidae) injurious to field crops in Samarkand Province [with summary in English]. T. Safarov. Ent. oboz. 41 no. 4:748-750 '62.

SAMARKAND PROVINCE—SORGHUM

Companion crops of sorgo in Uzbekistan [with summaries in English, German, and French]. A. F. Sorochenkova. Vest. sel'khoz. nauki 7 no. 5:36-39 My '62.

SAMOILOVICH, RUDOLF LAZAREVICH, 1881-1940

R. L. Samoilovich, an outstanding explorer of the Arctic. A. F. Laktionov. Izv. Vses. geog. ob-va 94 no. 6:480-485 N-D '62.

SAMOYEDS see subdivision under Taymyr Peninsula

SAMPLING (STATISTICS)

Sampling studies in industry. V. Korotkov. Vest. stat. no. 12:35-41 '62.

SAN JOSÉ SCALE—EXTERMINATION see subdivision under Moldavia; Odessa Province

SANCTIONS (LAW)

Special aspects of the sanctions of socialist law and the ways of their transformation. O. E. Leist. Sov. gos. i pravo 33 no. 1:44-54 Ja '63.

SAND see subdivision under Kara-Bogaz-Gol (Gulf) region; Kara Kum; Uzbekistan

SAND, FOUNDRY—ADDITIVES

Effect of the coarseness of sand grains on the strength of molding and core mixtures. I. U. P. Vasin. Izv. vyz. ucheb. zav. i chern. met. 5 no. 12:138-145 '62.

SAND, FOUNDRY—THERMAL PROPERTIES

Calculating and analytic method for determining the value of heat coefficients of molding materials and their mixtures. K. L. Sheptunov. Izv. vyz. ucheb. zav. i mashinostr. no. 7:123-131 '62.

SAND, GEORGE, 1804-1876

George Sand. Gillette Ziegler. Zhen. mira no. 2:30-31 '62.

SAND AND GRAVEL INDUSTRY

Potentials of enterprises of the Main Administration of the Building Materials Industry under the Executive Committee of the Moscow City Soviet of Working People's Deputies producing rock, sand and gravel for the construction industry. A. I. Dain. Shor. trud. NIIZHlelezhobeta no. 7:178-184 '62.

SAND AND GRAVEL PLANTS

(see also subdivision under Gornaya Shoriya)

Grading mixtures of sand and gravel in hydraulic classifiers. M. A. Gorin. Bui. tekhn. inform. Inst. "Proektgidromekh." no. 1:17-28 '62.

Improving the process of treating a quantity of sand and gravel at the Drovinskaya and Vyazemskaya plants. A. M. Petrov. Shor. trud. NIIZHlelezhobeta no. 7:54-70 '62.

Removing submerged scraps of wood from gravel. A. V. Ozar. Bui. tekhn. inform. Inst. "Proektgidromekh." no. 1:28-33 '62.

Use of cone screens to obtain fine gravel with a grain size of 2-7 mm.; from experience with the work of quarries using hydraulic engineering machinery. T. A. Danchuk. Bui. tekhn. inform. Inst. "Proektgidromekh." no. 1:58-59 '62.

Using tubular gravel separators designed by the All-Union Research Institute of the Rock, Gravel and Sand Industry in working sand and gravel deposits using hydraulic engineering machinery. I. S. Khoperskii. Bui. tekhn. inform. Inst. "Proektgidromekh." no. 1:4-11 '62.

SAND AND GRAVEL PLANTS—EQUIPMENT AND SUPPLIES

The new ShU-PCM-2 piler for sand, gravel and crushed stone. V. A. Baranov, B. P. Tolstunov. Bui. tekhn. inform. Inst. "Proektgidromekh." no. 1:33-38 '62.

SAND DUNES

Deflation phases and the age of soils on the aeolian sands in the steppe zone of the U. S. S. R. A. G. Gaeil, A. A. Trushkovskii. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:24-31 N-D '62.

SAND-LIME BRICK

Mukhina, T. G. [Production of silicate brick] Proizvodstvo silikatnogo kirpicha. Moskva, Proftekhizdat, 1962. 130 p.

SAND-LIME PRODUCTS

(see also subdivision under Uzbekistan)

Apartment houses with walls made of foamed silicate slabs. V. Bifautas. Zhil. stroi. no. 2:16c-16d '62.

Designing the composition of silicate concrete. L. M. Khaykin. Shor. trud. ROSNIMS no. 19:42-50 '61.

Determining the actual moisture of a lime-sand mixture made with ground unslaked lime. I. A. M. Belkin, S. I. Gekht, Z. M. Khaimskii. Shor. trud. ROSNIMS no. 19:3-5 '61.

Effect of some technical factors on the properties of silicate tile. P. M. Zil'berfarb, D. G. Zemtsov, L. D. Vaisfeld. Shor. trud. ROSNIMS no. 20:90-97 '61.

Effect of the conditions of lime hydration on the hydrothermal hardening of sand-lime products. L. N. Rashkovich. Shor. trud. ROSNIMS no. 20:20-35 '61.

Intensification of the production of silicate-concrete slabs and increasing the productive capacity of existing equipment. I. I. Podaypanin. Stroi. mat. 8 no. 12:23-24 D '62.

Present state of the production of large silicate products. N. I. A. Shportil, N. M. Bobyleva. Shor. trud. ROSNIMS no. 20:126-139 '61.

Self-stressing of reinforcement in elements made of silicate concrete. R. V. Popov. Shor. trud. ROSNIMS no. 20:52-61 '61.

Study of thermal conditions of the hardening of silicate concrete during autoclave treatment of sand-lime products. I. A. M. Belkin, Z. M. Khaimskii. Shor. trud. ROSNIMS no. 20:82-88 '61.

The technology and basic physicochemical properties of air-entrained silicate and air-entrained cinder silicate used as insulating materials. S. A. Krzheminskii and others. Shor. trud. ROSNIMS no. 20:36-51 '61.

SAND-LIME PRODUCTS—TESTING

Study of prestressed elements made of silicate concrete. L. N. Litynova, L. M. Khaykin. Shor. trud. ROSNIMS no. 19:38-41 '61.

SANDBLAST

Restoring the bronze grating on cylinders of sheet-molding machines. I. M. Karabenbaum, A. I. Trushchelev. Stroi. mat. 8 no. 12:26 D '62.

SANDSTONE

(see also subdivision under Sandhora Basin)

Method for making artificial sandstones. V. A. Nikolaev, A. N. Shedlovskii. Izv. vyz. ucheb. zav. i nefi' i gaz 5 no. 4:33-36 '62.

SANDSTONE—PERMEABILITY

Effect of pressure on the reservoir properties of sandstones. V. M. Dobrynin. Geol. nefti i gaza 7 no. 1: 45-52 Ja '63.

SANDY SOILS

Bearing capacity and compressibility of sandy foundations under deep footings. M. N. Gol'dshteyn, S. P. Gorbatov, O. M. Reznikov. Osn., fund. i mekh. grun. 4 no. 6: 3-6 '62.
Explosions in sandy grounds. V. M. Tsvetkov. PMTF no. 5:150-153 S-O '62.

SANITARY ENGINEERING

[New developments in the field of chemical analysis in sanitary engineering] Novoe v oblasti sanitarno-khimicheskogo analiza; raboty po promyshlennno-sanitarnoi khimii. Moskva, Medgiz, 1962. 203 p.
Payment procedure for the assembly of sanitary equipment. Ekon. stroi. no. 1:64-65 Ja '63.
The Sanitary Engineering Institute. V. N. Korotkin. Izv. ASIA 4 no. 4:138-140 '62.
Ways to increase specialization of sanitary engineering and electric wiring work. V. I. Antipin. Transp. stroi. 12 no. 12:31-32 D '62.

SANITARY ENGINEERING—BIBLIOGRAPHY see Bibliography—Sanitary engineering

SANITARY ENGINEERING—RESEARCH

In the Sanitary Engineering Research Institute of the Academy of Construction and Architecture of the U.S.S.R. Vod. i san. tekhn. no. 12:29-32 D '62.

SANITARY ENGINEERING—SAFETY MEASURES

Sapozhnikov, M. M. [Accident prevention during sanitary engineering work] Tekhnika bezopasnosti pri proizvodstve sanitarno-tekhnicheskikh rabot. Pod obshech. red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 33 p. (Biblioteka stroitel'n po tekhnike bezopasnosti, no. 7)

SAP

Studying the fungicidal properties of plant sap [with summaries in English, German, and French]. G. M. Khablacovskaya, N. V. Sukhacheva. Vest. sel'khoz. nauki 7 no. 5:142-146 My '62.

SAPEGIN, ANDREI AFANAS'EVICH, 1883-

A. A. Sapegin's works on the morphogenesis of plants and its significance for plant growing. M. A. Hur'ylova. Ukr. bot. zhur. 19 no. 5:107-115 '62.

SAPONIFICATION

Saponification of nitric esters, derivatives of p-nitrophenylmethylcarbamate. L. M. Lagupol'skii, I. U. A. Piskov. Zhur. ob. khim. 33 no. 1:309-314 '63.
Synthesis and transformations of alkyl- α -alkoxyethylmalonic esters. Part 3: Synthesis and saponification of alkyl- α -methoxyethylmalonic esters. A. V. Bogdanov and others. Zhur. ob. khim. 33 no. 1:42-45 '63.

SARATOV—GLASS FACTORIES

Iavchenko, B. S. [Glass made in Saratov] Staklo saratovskoi marky. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 50 p.

The Saratov industrial glass factory is a model experimental enterprise. P. S. Kireev. Stok. i ker. 10 no. 12:20-30 D '62.

SARATOV HYDROELECTRIC POWER STATION—SOIL MECHANICS

Study of the foundation of concrete structures of the Saratov Hydroelectric Power Station by the displacement of large stamps. M. I. Shmakov, A. N. Popova, Gidr. stroi. 33 no. 11:25-27 N '62.

SARATOV PROVINCE—CHEMICAL INDUSTRIES

Hidden potentialities in the important chemical industry. V. Golubovskii. Komsom. zhizn' no. 21:5-9 N '62.

SARATOV PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

Kommunisticheskaya partiya Sovetskogo Soyuza. Saratovskii oblasnoi komitet. Partinnyi arkhiv. [The Saratov party organization during the years of the socialist industrialization of the country and the preparation for the complete collectivization of agriculture; documents and materials, 1926-1929] Saratovskaya partiynaya organizatsiya v gody sotsialisticheskoi industrializatsii strany i podgotovki sploshnoi kollektivizatsii sel'skogo khozjajstva; dokumenty i materialy, 1926-1929 gg. [Saratov] Saratovskoe knizhnoe izd-vo, 1960. 381 p. (MI)

Vostrikov, I. U. A., and N. I. Fedulov. [Member of a party committee] Chlen partiynogo komiteta. Moskva, Izd-vo "Sovetskaya Rossiya," 1961. 31 p.

SARATOV PROVINCE—COMMUNITY AND SCHOOL

From the community to preschool children. N. Sholukh. Doshk. vosp. 35 no. 10:22-23 O '62.

SARATOV PROVINCE—FIRES AND FIRE PREVENTION—INSPECTION

The problem has not yet been solved. A. Mikhailov. Pozh. delo 9 no. 1:9-10 Ja '63.

SARATOV PROVINCE—GEOLOGY

Some characteristics of the geological history of the Volga Valley portion of Saratov Province in the Bashkir age. G. S. Karpov. Uch. zap. SGU 65:43-53 '59.

SARATOV PROVINCE—HISTORY

Kommunisticheskaya partiya Sovetskogo Soyuza. Saratovskii oblasnoi komitet. Partinnyi arkhiv. [The Saratov party organization during the years of the socialist industrialization of the country and the preparation for the complete collectivization of agriculture; documents and materials, 1926-1929] Saratovskaya partiynaya organizatsiya v gody sotsialisticheskoi industrializatsii strany i podgotovki sploshnoi kollektivizatsii sel'skogo khozjajstva; dokumenty i materialy, 1926-1929 gg. [Saratov] Saratovskoe knizhnoe izd-vo, 1960. 381 p. (MI)

SARATOV PROVINCE—MOTORTRUCKS—MAINTENANCE AND REPAIR

Kartaishov, V. P. [Unit-method maintenance of motor vehicles during harvesting] Agregatnyi metod obsluzhivaniya avtomobilov vo vremya uborki urozhaya. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 25 p.

SARATOV PROVINCE—PEDIATRICIANS

Work experience with annual intermittent courses for raising the qualifications of pediatricians in Saratov Province. T. N. Rozanova. Zdrav. Ros. Feder. 6 no. 12:24-25 D '62.

SARATOV PROVINCE—PHOSPHORITE

Brief information on the distribution of Lower Cretaceous phosphorites in the Volga Valley portion of Saratov Province and their characteristics. L. P. Gavrilova. Uch. zap. SGU 65:169-171 '59.

SARATOV PROVINCE—ROCKS, SEDIMENTARY—ANALYSIS

Geochemistry of Aptian and Albian sediments in the Volga Valley portion of Saratov Province. I. F. Lobanov. Uch. zap. SGU 65:119-128 '59.

SARATOV PROVINCE—SIDERITE

Clay siderites in the surroundings of Krasnaya Rechka in Saratov Province. B. A. Mirovtortsev. Uch. zap. SGU 65:145-147 '59.

SARATOV PROVINCE—SOILS

Usov, N. I. [Soils of Saratov Province] Pochvy Saratovskoi oblasti. [Saratov] Saratovskoe obl. izd-vo, 1948. 2 v. (DNLM)

SARATOV PROVINCE—WATER, UNDERGROUND

Underground water supply in the trans-Volga portion of Saratov Province. N. V. Kulakov. Uch. zap. SGU 65:205-207 '59.

SARIAN, GEGAM, 1902-

Gegam Sarian's creative life [in Armenian with summary in Russian]. V. M. Mnatsakanian. Ist.-filol. zhur. no. 4:43-58 '62.

SARMATIAN ANTIQUITIES see subdivision under Buzuluk Valley; Donets Basin

SARMATIANS

(see also subdivision under Novocherkassk)
Early Sarmatian wedge-shaped arrowheads. M. G. Moskova. Krat. soob. Inst. arkeol. no. 88:77-82 '62.
New monument of the Sarmatian culture in the central part of the Volga Valley. N. V. Trubnikova. Mat. i issl. po arkeol. SSSR no. 11:22-24 '62.

SATELLITES, ARTIFICIAL see Artificial satellites

SATIRE

(see also subdivision under Europe, Eastern)
Volunteer satirists. M. Saifnikov. Sov. pech. no. 12: 18-19 D '62.

SAUSAGES see subdivision under Hungary

SAVVA, Monk, 1650-1725

Method of interpreting words in the dictionary of Sulkhan-Saba Orbeliani [in Georgian with summary in Russian]. TS. I. Kurtsikidze. Izv. Inst. ruk. AN Gruz. SSR 3:7-14 '61.
S. S. Orbeliani's sermon "On the crucifixion" and its apocryphal source [in Georgian with summary in Russian]. T. Orbeli Chkonia. Izv. Inst. ruk. AN Gruz. SSR 3:27-32 '61.

SAWFISH

Sawfish. IUn. nat. no. 12:18 D '62.

SAWS

Increase the efficiency of gasoline engine saws. V. V. Kuosman, L. N. Belovzorov. Les. prom. 40 no. 10: 4-5 O '62.

SAWWOOD

Saussurea extract as an antilambliasis drug [with summary in English]. A. S. Saratkov, V. E. Fedotova. Apt. delo 12 no. 3:26-28 My-Je '62.

SAYAN MOUNTAINS—MINERALS

"Velerit" from alkaline pegmatites of the Eastern Sayan Mountains. I. P. Tikhonenkov, M. E. Kazakova. Trudy IMGRE no. 9:83-87 '62.

SAYAN MOUNTAINS—MINERALS IN SOIL

Minerals of the silt fraction in soils developed on igneous rocks of the Eastern Sayans [with summary in English]. B. P. Gradusov, V. O. Targul'ian. Pochvovedenie no. 11:24-33 N '62.

SAZANDARIAN, TATEVIK

Joy of creating; on the 25th anniversary of Tatevik Sazandarian's singing career. R. Stepanian. Sov. muz. 26 no. 12:76-73 D '62.

SCALE INSECTS

(see also subdivision under Leningrad Province)
New Palaearctic genera and species of Diaspididae (Homoptera, Coccoidea) [with summary in English]. N. S. Borkhsenius. Ent. oboz. 41 no. 4:861-871 '62.
Revision of the genus Rhizococcus Signoret (Homoptera, Coccoidea) of the fauna of the U.S.S.R. [with summary in English]. E. M. Dantsig. Ent. oboz. 41 no. 4: 830-860 '62.

SCALE INSECTS—EXTERMINATION

(see also subdivision under Moldavia)
Means for controlling the euonymus scale. V. G. Korobitsyn. Zashch. rast. ot vred. i bol. 5 no. 3:26-27 Mr '60.

SCALES (WEIGHING INSTRUMENTS)

Study of a weighing process on belt conveyors. N. K. Chertkov. Teploenergetika 9 no. 12:28-31 D '62.

SCARLET FEVER

Poljak, L. V. [Scarlet fever in children] Skarlattina u detei. Moskva, Medgiz, 1962. 14 p. (Sovety roditel'nam) (DNLM)

SCATTERING (PHYSICS)

Making allowance for rules of selection for the scattering of particles with unequal masses in determining the domains of analyticity for contributions to diagrams [with summary in English]. I. I. Kostyrko. Ukr. fiz. zhur. 7 no. 10:1046-1050 O '62.
Multiple dispersion relations [with summary in English]. I. U. Simonov. Zhur. eksp. i teor. fiz. 43 no. 6:2263-2272 D '62.
On the interpretation of the structure of monatomic liquids [with summary in English]. A. F. Skryshevskii. Ukr. fiz. zhur. 7 no. 8:820-833 Ag '62.
Rayleigh scattering in crystals. L. N. Ovander. Fiz. tver. tela 5 no. 1:21-25 Ja '63.

SCHILLER, JOHANN CHRISTOPH FRIEDRICH VON, 1759-1805

Talent of a scientist. A. Laskina. Znan-sila 37 no. 11:30-31 N '62.

SCHOENBERG, ARNOLD, 1874-1951

Meetings with Hindemith, Schoenberg, and Ravel. A. Veprik. Sov. muz. 26 no. 12:110-117 D '62.

SCHOOL CHILDREN—FOOD see subdivision under Moscow

SCHOOL DECORATION

Artistic decoration of a kindergarten. N. A. Vetlugina. Doshk. vosp. 35 no. 9:31-39 S '62.
Decoration of a kindergarten. T. N. Lopato and others. Doshk. vosp. 35 no. 9:16-31 S '62.
Some problems of kindergarten decoration. M. V. Zoluzhskaya. Doshk. vosp. 35 no. 9:40-41 S '62.

SCHOOL DISCIPLINE

Educational exactness and students' responsibilities. I. Stepanov. Nar. obr. no. 1:64-66 Ja '63.
Lesichinskii, D. S. [Organization of lessons and discipline] Organizatsiya uroka i disiplina. Minsk, Gos. uchebno-pedagog. izd-vo, 1960. 76 p. (NNC)
The problem of school discipline. I. Bozrukhko. Zhytlin i shkola 8 no. 10:12:20-30 O-D '62.
Vyatina, L. A. [Training evening (staggered) school students in a conscientious attitude toward study] Vospitanie soznatel'nogo otnosheniya k ucheniu u uchashchikh v vechernei (smennoi) shkoly. Moskva, Izd-vo APN RSFSR, 1962. 49 p.

SCHOOL EXCURSIONS

Fifty days on the trail. Liudmila Glushkovskaya. IUn. nat. no. 1:2-4 Ja '63.
In the museum estate of L. N. Tolstol. T. Zakharova. Doshk. vosp. 35 no. 11:72-74 N '62.
Organizing excursions in the Samarkand School of Zoology and Veterinary. N. G. Kusheev. Sred. spets. obr. 10 no. 1:43-47 Ja '63.
Society of local geography dedicated to Academician V. A. Obruchev in a secondary school. A. E. Dmitriev. Sov. pedagog. 26 no. 8:84-87 Ag '62.

SCHOOL MUSIC—INSTRUCTION AND STUDY

Music department at a technical school. V. K. Postovoi-tov. Sred. spets. obr. 10 no. 1:52-55 Ja '63.
Typical mistakes in teaching singing and ways to overcome them. K. A. Przheval'skii. Nach. shkola 30 no. 12:63-67 D '62.

SCHOOL SUPERINTENDENTS AND PRINCIPALS

(see also subdivision under Brest Province)
Aren't such pictures familiar to you? Doshk. vosp. 35 no. 9:121 S '62.
Supervisor of a pedagogical collective. V. Aleksandrov-skaia. Doshk. vosp. 35 no. 11:47-50 N '62.

SCHOOL SUPERVISION

For the notebook of a principal and the head of the teaching department. Nar. obr. no. 1:50 Ja '63.
Gorbunov, N. I. [Notes of the young head of the teaching department] Zapiski molodogo zavucha. Moskva, Uchpedgiz, 1962. 93 p.
Improving the pedagogical qualifications of teachers. N. Kora. Doshk. vykh. 23 no. 10:22-24 O '62.
Let's introduce the experience of experimental schools into general practice. K. Zolotar'. Nar. obr. no. 1: 5-11 Ja '63.

SCHOOLHOUSES

(see also subdivision under Moscow Province; Tallinn)
Eight-year school for 480 students. G. Verstin. Sel'stoi. 16 no. 1:insert1-4 Ja '62.
Let's speed the construction of preschool institutions. I. Padezhnov. Doshk. vosp. 35 no. 10:17-18 O '62.
Standard plans of schools for 320 and 160 students. G. Vershin. Sel'stoi. 15 no. 4:insert:4 p. Ap '60.

SCHOOLHOUSES—STANDARDS

"Kindergarten and nursery schools. Standards for design." Biul. strol. tekhn. 19 no. 12:8-10 D '62.

SCHOOLS—EXERCISES AND RECREATIONS

Chemical games; role of games in teaching and education. A. Malls. Uch. zap. Kub. gos. ped. inst. no. 37:80-85 '62.

SCHOOLS—FURNITURE, EQUIPMENT, ETC.

Student's work area. M. Kisel'nikov. Nar. obr. no. 1: 41-42 Ja '63.

SCHOOLS, UKRAINIAN

(see subdivision under Brazil)

SCHRODER, GERHARD, 1910-

The Bonn here of our times. N. S. Nov. vrem. 20 no. 3:20-21 Ja '63.

SCIENCE

Bibliographically opening up the contents of foreign literature on science and technology. I. A. Gruzina. Opyt rab. bibliot. s inostr. lit. no. 3:28-31 '60.
From foreign journals. Tekh. mol. 30 no. 12:17 '62.
Kind voices of science. Vladimir Keler. V mire knig 3 no. 1:7-9 Ja '63.
Science old and new. IU. Bell'kin. V mire knig 2 no. 12: 10-11 D '62.
Time passes by. Tekh. mol. 30 no. 12:25 '62.

SCIENCE—BIBLIOGRAPHY

(see Bibliography—Science)

SCIENCE—CONGRESSES

Tenth International Congress on the History of Sciences. A. T. Grigor'yan. Priroda 52 no. 1:109-111 '63.

SCIENCE—INTERNATIONAL COOPERATION

Radovskii, M. I. [From the history of Anglo-Russian relations in the field of science] Iz istorii anglo-russkikh nauchnykh svyazei. Moskva, Izd-vo Akad. nauk SSSR, 1961. 214 p.

SCIENCE—MISCELLANEA

Editor's mail. O. Zhmudskiy, O. Usykov, S. Samars'kiy. Nauka i zhytlya 12 no. 11:54-55 N '62.
It happens that. IU. nat. no. 12:32-33 D '62.

SCIENCE—PERIODICALS

With our colleagues. Nauka i zhizn' 29 no. 11:92-93 N '62.

SCIENCE—PHILOSOPHY

Logical principles of science. G. A. Kursanov. Priroda 52 no. 1:16-24 '63.
Some problems concerning the correlation of philosophy and natural sciences. L. B. Bazhenov, M. S. Slutskii. Uch. zap. Orekh.-Zuev. ped. inst. 12:245-262 '58.

SCIENCE—STUDY AND TEACHING

What we all are thinking about. A. M. Budker. Sem'ia i shkola 18 no. 1:2-4 Ja '63.

SCIENCE AND COMMUNISM

(see Communism and science)

SCIENCE AND THE HUMANITIES

Comments on the discussion on educational problems. V. Richter. Vsem. stud. nov. 16 no. 5/6:15-17 My-Je '62.
Only one culture; an interview with S. Turski. A. Brychkov. Vsem. stud. nov. 16 no. 4:11-13 Ap '62.

SCIENCE AS A PROFESSION

(see subdivision under United States)

SCIENCE FICTION

A guide to the world of new knowledge. V. Davydov. Mol. komm. no. 12:111-114 D '62.
A little about many things. Znan-sila 37 no. 11:32-33 N '62.
Scientists and writers of science fiction talk about science fiction. Tekh. mol. 30 no. 12:10-11, 16-19, 28-29 '62.

SCIENCE NEWS

In the whole world. Znan-sila 37 no. 11:16-17 N '62.
Leshkovtsev, V. A. [Horizons of science] Gorizonty nauki. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury; Estestvennonauchnyi fakul'tet, no. 1)
News, events, facts. Priroda 52 no. 1:109-116 '63.
Science and the future. M. Semenov. Nauka i zhytlya 12 no. 11:4-9 N '62.

SCIENTIFIC APPARATUS AND INSTRUMENTS

Electron potentiostat with high current efficiency. A. K. Samylin, E. S. Sidash. Zav. lab. 28 no. 12:1510-1512 '62.

SCIENTIFIC APPARATUS AND INSTRUMENTS—EXHIBITIONS

Exhibition of Achievements of the National Economy of the U.S.S.R.; scientific research work of institutions of higher learning. G. O. Tatevos'ian. Plast. massy no. 12:1-2 '62.

SCIENTIFIC EXPEDITIONS

Astronomical expedition to the region of active volcanoes in Kamchatka. V. V. Sharonov. Vest. LGU 18 no. 1:158-158 '63.

SCIENTIFIC LIBRARIES

(see subdivision under Kiev)

SCIENTIFIC LITERATURE

Why our scientific publications do not satisfy their readers. E. Likhenshtein. Kommunist 39 no. 3: 122-124 F '63.

SCINTILLATION COUNTERS

Studying the continuous spectra of fast neutrons and γ -quanta by the method of effective counting. G. G. Doroshenko, A. V. Larichev. Izv. AN SSSR, Ser. fiz. 27 no. 1:141-146 Ja '63.

SCIAREOL

Syntheses involving sciareol. Part 7: Sciareol and 13-episciareol from clary (Salvia sclarea). D. P. Papa, G. V. Lazur'evskii. Zhur. ob. khim. 33 no. 1: 303-307 '63.

SCLEROSIS

Forms of regenerative reaction and the reversibility of sclerotic changes in the internal organs. D. S. Sarkisov. Sbor. trud. Inst. khir. AMN SSSR no. 1:189-196 '62.

SCOPOLIA

(see also subdivision under Kiev)
Chromatographic study of the alkaloid composition of the leaves and galenic preparations from Scopolia himalaica [with summary in English]. E. S. Gritsaeva. Apt. delo 12 no. 3:21-25 My-Je '62.

SCOTT, ROBERT FALCON, 1868-1912

Struggle and search, find and don't give up. N. Bolotnikov and others. Vokrug sveta no. 12:46-49 D '62.

SCRAP METAL INDUSTRY

(see subdivision under Ukraine)

SCRAP METAL INDUSTRY—ACCOUNTING

Accounting for and the analysis of the cost of waste products. V. Samsonov. Buhg. uch. 19 no. 12:50-51 D '62.

SCREENS (MINING)

Performance of an electromagnetic vibrating screen for hot sinter. D. P. Pritykin. Metallurg 8 no. 1: 6-9 Ja '63.

SCREW CUTTING

Cutting thread in turning multiposition lugs on universal drilling machines. P. V. Mynkin, IU. A. Orlov. Avi. prom. 29 no. 1:34-35 Ja '63.

SCREW-CUTTING MACHINES—ATTACHMENTS

Attachment for cutting progressive pitch of a spiral. M. N. Stasiuk. Mashinostroitel' no. 12:23 D '62.
Center-extension piece for screw-cutting machines. I. S. Zaitsev, I. M. Liudmirskii. Mashinostroenie no. 5: 109-110 S-O '62.

SCREW THREADS

Afanas'ev, A. F. [Screw thread and threaded parts; manual on mechanical drawing for students of the Moscow Chemical and Technological Institute] Rezhba i rez'-bovoye izdeliye; posobie po mashinostroitel'nomu chertcheniyu dlia studentov MKhTI imeni D. I. Mendeleeva. Moskva, Mosk. khimiko-tekhnologicheskii in-t im. D. I. Mendeleeva, 1962. 38 p.

[MICROFILM]

Experience in coarse thread rolling. A. F. Balin, R. Kh. Valitov, A. N. Korachistov. Kuz.-stann. proizvod. 4 no. 12:9-11 D '62.

SCREWDRIVERS

Pneumatic multipindle screwdrivers. S. S. Koltunov. Avi. prom. 28 no. 11:36-38 N '62.
Problems of reliable automatic screwing down of threaded parts. I. L. Blaer. Vest. mashinostr. 42 no. 12:44-47 D '62.

SCRUBBER (CHEMICAL TECHNOLOGY)

Determination of the duration of contact and of the conditions of motion of interacting phases in a scrubber with an atomization nozzle. I. G. Plii. Izv. vuz. uch. z. zav. khim. i khim. tekhn. 5 no. 5:827-831 '62.

SCULPTURE

Sokolov, V. N. [Figure sculpture] Lepka figury. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 138 p. illus.

SCULPTURE, GRECO-ROMAN

Portrait of a man from the first century B. C. in the collection of the A. S. Pushkin State Museum of Fine Arts. N. A. Sidorova. Sob. GMI [no. 1]:14-21 '60.

SCULPTURE, GREEK

(see also subdivision under Panticapaeum)

Who carved the Venus of Milo? Komsom. zhizn' no. 20: 25 O '62.

SCYTHIA—IRON INDUSTRY

New data on iron mining in Scythia. B. A. Shramko. Krat. sob. Inst. arkheol. no. 9:172-77 '62.

SCYTHIAN ANTIQUITIES

(see subdivision under Gorno-sinyevka District)

SCYTHIAN LANGUAGES

(see Altaic languages)

SCYTHIANS

Medieval finds in Scythian sites of the Lower Dnieper Valley. N. N. Pogrebova. Krat. sob. Inst. arkheol. no. 89:18-21 '62.
Some forms of Transcaucasian arms of the early Scythian period. M. N. Pogrebova. Krat. sob. Inst. arkheol. no. 89:22-29 '62.

SEAPLANES—PILOTING

Characteristics of training flyers in seaplane piloting. R. V. Kalmykov. Mor. obor. 46 no. 1:39-42 Ja '63.

SEARCHLIGHTS

The S-60 searchlight for ships. Svetotekhnika 8 no. 12:31 D '62.

SEASIDE RESORTS

(see subdivision under Adzharia; Caucasus)

SECHENOV, IVAN MIKHAILOVICH, 1829-1905

"Genius of scientific thought." P. Simonov. V mire knig 2 no. 11:10 N '62.

SECONDARY EDUCATION

(see Education, Secondary)

SECONDARY ELECTRON EMISSION

Methodology for studying the energy distribution of the secondary electrons during the bombardment of metals by electrons. U. A. Arifov, A. Kh. Kasymov. Radiotekhn. i elektron. 8 no. 1:139-144 Ja '63.
Role of secondary emission phenomena in the X-ray photoeffect from metal cathodes. M. A. Rumsh, V. N. Shchemelov. Fiz. tver. tela 5 no. 1:71-77 Ja '63.

SECRET POLICE

Fomin, F. T. [Reminiscences of a former choklat] Zapiski starogo choklata. Moskva, Gospolitizdat, 1962. 203 p.

SECRETION

Secretion of petroleum products from the organism of cattle after oral introduction of naphthalan. IA. IU. Babaev. Trudy Azer. nauch.-issl. vet. inst. 13:246-249 '62.

SECURITY, INTERNATIONAL

(see also subdivision under Europe)

"The law of peace" by G. V. Sharmazanshvil. Reviewed by M. V. Ivanovskii. Izv. vuz. uch. z. zav. prav. 8 no. 4: 176-177 '62.

SEDIMENTATION ANALYSIS

Interaction between mineral pigments and components of the dispersion medium studied by means of sedimentation analysis [with summary in English]. A. I. Shulova, E. M. Aleksandrova, Koll. zhur. 24 no. 9:752-754 N-1 '62.

Particle size determination of artificial manganese dioxide. Z. M. Topuria. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:161-167 '62.

SEDIMENTATION AND DEPOSITION

Decantation processes in the hydrometallurgy of uranium. I. A. Iakubovich. Atom. energ. 14 no. 2:200-212 F '63.

SEDIMENTS (GEOLOGY)

(see subdivision under Amu Darya Delta)

SEED PRODUCTION

- Effect of growing conditions for sugar beet seed plants on the yield and productivity of seeds. K. N. Khuchua. *Vysnyk sil'hosp. nauky* 5 no. 12:34-38 D '62.
- Effect of the methods of seed growing on the susceptibility of plants to smuts. I. A. Balkov. *Zashch. rast. ot vred. i bol.* 5 no. 3:21-22 Mr '60.
- Forecasting the cone yield of *Pinus koraiensis*. N. V. Krechetova, V. I. Shtelnikova. *Les. khoz.* 15 no. 11: 41-44 N '62.
- Growing radish seeds without transplantation. V. N. Sizov. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11: 111-112 '62.
- Improve the organization and technology of seed production in forestry. Les. khoz. 15 no. 11:70-72 N '62.
- Obtaining high-yielding hybrid cucumber seeds. E. T. Meshcherov. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:223-225 '57.
- Physical and mechanical characteristics of sugar beet seed plants. S. V. Illievych. *Vysnyk sil'hosp. nauky* 5 no. 12:25-27 D '62.
- Selecting paternal varieties for obtaining high-yielding hybrid tomato seeds. I. A. A. Reut. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:248-250 '57.

SEED PRODUCTION—COSTS see subdivision under Sumy Province

SEEDS

- Characteristics of physiological and biochemical processes in seeds of the melon of the species *Melo zard* during a treatment with variable temperatures before planting. N. N. Budurian. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:45-51 '62.
- Chilling tomato seeds in fruits. N. V. Beliaev. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:28-32 '62.
- Effect of the chilling of germinating cucumber seeds before planting on physiological and biochemical processes. G. V. Kandina. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:71-79 '62.
- Effect of the chilling of seeds before planting on the physiological and biochemical processes of the melon of the species *Melo zard*. N. N. Budurian. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:52-70 '62.
- Effect of the chilling of tomato seeds on biochemical processes in plants. N. V. Beliaev. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:12-27 '62.
- Evolution of protein complexes in seeds and the evolution of flowering plants [with summary in English]. A. V. Blagoveshchenskii. *Izv. AN SSSR. Ser. biol.* no. 6:845-856 N-D '62.
- Harvest of the Siberian pine nuts and taiga fauna. F. R. Shil'mark, A. I. Khlobnikov. *Priroda* 52 no. 1:100-107 '63.
- Slow-germinating seeds of hairy vetch. L. A. Pel'tsikh. *Agrobiologiya* no. 6:932-934 N-D '62.
- Some characteristics of metabolism in tomato seeds during the chilling period before planting. N. N. Budurian, N. V. Beliaev, G. V. Kandina. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:3-11 '62.
- Treating conifer seeds before sowing with ultraviolet and solar rays. V. V. Gribov. *Les. khoz.* 15 no. 11: 36-38 N '62.

SEEDS—ANATOMY

- Method of abbreviated recording of the characters of internal seed structure in angiosperms. E. S. Smirnova. *Botul. Glav. bot. sadu* no. 47:68-71 '62.
- Seed structure of some woody plants [with summary in English]. G. P. Belostokov. *Bot. zhur.* 47 no. 11:1611-1628 N '62.

SEEDS—DISINFECTION

- Combined disinfectant for corn seeds. L. P. Roktanen. *Zashch. rast. ot vred. i bol.* 5 no. 6:30 Je '60.
- Disinfectants for wheat seeds. A. M. Babasian. *Zashch. rast. ot vred. i bol.* 5 no. 3:28 Mr '60.
- Disinfecting and bacterizing corn seeds. I. V. Iaroshovich, N. I. Vlasova. *Zashch. rast. ot vred. i bol.* 5 no. 3:22-23 Mr '60.
- Disinfecting grain crop seeds. N. K. Nikulina. *Zashch. rast. ot vred. i bol.* 5 no. 3:29-31 Mr '60.
- Disinfecting seeds with atomized suspensions. G. A. Chigarev and others. *Zashch. rast. ot vred. i bol.* 5 no. 6:15-16 Je '60.
- For careful control, for increasing the quality and the effectiveness of seed disinfection. M. S. Dunin. *Zashch. rast. ot vred. i bol.* 5 no. 3:18-19 Mr '60.
- How to use the PU-1 machine. P. G. Davidov. *Zashch. rast. ot vred. i bol.* 5 no. 3:31-32 Mr '60.
- New method for drying grain in controlling loose smuts. I. M. Poliakov, I. L. Luboshits, N. K. Klaptsova. *Zashch. rast. ot vred. i bol.* 5 no. 6:16-18 Je '60.
- Safety measures in disinfecting seeds. I. I. Medved'. *Zashch. rast. ot vred. i bol.* 5 no. 3:33-36 Mr '60.
- Shortcomings of dust disinfection of seeds. S. P. Starostin. *Zashch. rast. ot vred. i bol.* 5 no. 3:19-20 Mr '60.

SEEDS—DRYING

- New method for seed drying [with summaries in English, German, and French]. M. A. Filimonov. *Vest. sel'khoz. nauki* 7 no. 10:6-9 O '62.

SEEDS—STORAGE

- "Provisional recommendations on the receiving, disposing, and storing of pulse crop seeds (peas, forage beans, and lupine)." Reviewed by M. Golik. *Muk.-elev. prom.* 28 no. 10:32 and p. 3 of cover O '62.

SEEPAGE

- Study of increasing the seepage resistance of gypsiferous loams. N. V. Metonidze. *Trudy Gruz NIIGIM* no. 21: 255-266 '60.
- Underwater antiseepage screening in reservoirs. G. V. Avellshvili, V. V. Vasil'ev, N. A. Kerner. *Trudy Gruz NIIGIM* no. 21:309-316 '60.

SEIGNETTOELECTRIC SUBSTANCES see Ferroelectric substances

SEISMIC WAVES

- Study of a seismic wave on the motion of a rigid massive strip lying on an elastic half-space. L. M. Filman. *Prikl. mat. i mekh.* 26 no. 6:1043-1058 N-D '62.

SEISMOLOGY see subdivision under Caucasus; Mediterranean Sea region; Near East; Turkmenistan

SEISMOLOGY—OBSERVATIONS see subdivision under Kamchatka

SEISMOMETRY see subdivision under Erivan

SELENIUM

- Surface breakdown of p-n junctions in seleniurn. B. S. Muravskii. *Radiotekh. i elektron.* 8 no. 1:162-170 Ja '63.

SELENIUM ORGANIC COMPOUNDS

- Condensation of o-aminoselenophenol with unsaturated ketones. Part 1. L. K. Mushkalo, D. I. Sheiko. *Zhur. ob. khim.* 33 no. 1:157-160 '63.
- SELENOPHENE
- Chemistry of selenophene. Part 42: Synthesis of tetra-substituted ethylenediamines of the selenophene series. I. U. K. Iur'ev, M. A. Gal'bershtam. *Zhur. ob. khim.* 32 no. 12:3022-3025 D '62.
- Reaction of selenols with acetylene derivatives. Part 2: Structure of the products of interaction between selenophenol and phenylacetylene and 2-methyl-5-ethynylpyridine. L. M. Kataeva and others. *Zhur. ob. khim.* 32 no. 12:3065-3071 D '62.

SELF-SERVICE STORES

- Automat store. V. Ivanyts'kii, I. Kofman. *Nauka i zhyttia* 12 no. 7:43 Ji '62.
- New design of a self-service store. N. Kudriavtsova, A. Leshchinskii. *Sov. tovg.* 36 no. 11:61-62 N '62.

SELIVANOVSKIYE—PUBLIC HEALTH, RURAL

- Great changes. M. Baidov. *Sov. Kras. krest* 12 no. 4: 4 Ji-Ag '62.

SEMEN

- Production of sperm by bulls as related to their breed. M. P. Maslov. *Vysnyk sil'hosp. nauky* 5 no. 12:84-85 D '62.

SEMONOV-TIAN'-SHANSKII, ANDREI PETROVICH,

- 1866-1942
- A. P. Semenov-Tian'-Shanskii (1866-1942), his life, scientific work and significance for the present; on the 20th anniversary of his death. O. L. Kryzhanovskii. *Ent. oboz.* 41 no. 4:942-950 '62.

SEMICONDUCTORS

- Chemisorption and catalytic properties of a semiconductor film on metal. F. F. Vol'kenshtein, V. S. Kuznetsov, V. B. Sandomirskii. *Kin. i kat.* 3 no. 5:712-723 S-O '62.
- Damping of nonequilibrium conductivity in a semiconductor with two types of recombination centers. K. I. Sviatova. *Fiz. tver. tela* 5 no. 1:118-123 Ja '63.
- Effect of impurity redistribution in the region of the surface space charge of a semiconductor on its adsorption capacity. V. S. Kuznetsov, V. B. Sandomirskii. *Kin. i kat.* 3 no. 5:724-727 S-O '62.
- Methodology for compensating temperature differences of the characteristics of semiconductor thermistors [with summary in English]. M. A. Kaganov. *Avtom. i telem.* 24 no. 1:97-103 Ja '63.
- Piatnova, I. I. [One hundred "jobs" of semiconductors] Sto professii poluprovodnikov. Moskva, Izd-vo "Znanie," 1962. 63 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 12).
- Properties of a polymer-semiconductor interface. G. A. Sokolova, N. A. Krotova, I. U. A. Khrustalev. *Dokl. AN SSSR* 147 no. 6:1400-1412 D '62.
- Surface breakdown of p-n junctions in seleniurn. B. S. Muravskii. *Radiotekh. i elektron.* 8 no. 1:162-170 Ja '63.
- Width of the forbidden zone in semiconductor films as dependent on their thickness and temperature. V. B. Sandomirskii. *Zhur. eksp. i teor. fiz.* 43 no. 6: 2300 D '62.
- SEMICONDUCTORS—ANALYSIS
- "Micrometallurgy"—analyses for semiconductor devices. V. M. Soboleva, A. E. Likhman. *TSvet. met.* 35 no. 9: 70-73 S '62.

SEMICONDUCTORS—ELECTRIC PROPERTIES

- Lifetime of nonequilibrium charge carriers in semiconductors with local levels. E. I. Adirovich, E. M. Kuznetsova. *Dokl. AN SSSR* 147 no. 4:813-816 D '62.
- On the theory of generation-recombination noise in semiconductors. R. N. Ikhsanov, Z. I. Uriskii. *Fiz. tver. tela* 5 no. 1:341-344 Ja '63.
- On the theory of sound absorption in semiconductors. I. A. M. Chikvashvili. *Fiz. tver. tela* 5 no. 1:363-364 Ja '63.

SEMICONDUCTORS—THERMAL PROPERTIES

- Measuring the heat conductivity coefficient of semiconductors under nonsteady-state conditions. I. S. Lisler. *Teplo- i massoper.* 1:20-33 '62.
- Measuring the thermal conductivity of semiconductors. V. I. Lekum, B. N. Oleinik, G. I. A. Sozinov. *Trudy inst. Kon. stand., mer i izm. prib.* no. 51:131-137 '61.
- Use of the thermoelectric effect in semiconductors in determining their heat conductivity. A. F. Chudnovskii, B. M. Mogilevskii. *Teplo- i massoper.* 1:11-19 '62.

SEMIPALATINSK PROVINCE—WARBLE FLIES

- Economic loss caused by the warble fly in Semipalatinsk Province. K. M. Eliseev, O. P. Perzadav. *Vest. sel'khoz. nauki* [Kazakh.] 5 no. 11:79-83 O '62.

SENECIC ACID

- Synthesis of dihydroxysenecic acid. N. K. Kochetkov, A. K. Vasil'ev, S. N. Levchenko. *Izv. AN SSSR. Otd. khim. nauk* no. 12:2240-2241 D '62.

SENSE DATA

- Subjectivity and adequacy of a sensory image. A. M. Korshunov. *Dokl. APN* no. 1:93-96 '62.

SENSES AND SENSATION

- Effectiveness of the visual perception of objects. A. V. Zaporozhets. *Dokl. APN* no. 1:77-80 '62.

SEPARATORS (MACHINES)

- Grading mixtures of sand and gravel in hydraulic classifiers. M. A. Gorn. *Biul. tekhn. inform. inst.* "Proektgidromekh." no. 1:17-28 '62.
- Mass separator vessel with a separation device for pulp cokers. E. G. Koval'chuk. *Spir. prom.* 28 no. 8:33 '62.
- New size range of spiral classifiers. P. D. Tova. *Gor. zhur.* no. 5:63-64 My '62.
- Prevention of dust return in the TeKB separator. V. V. Luk'ianov. *Elek. sta.* 33 no. 10:77-78 O '62.
- Separators for juice manufacture. M. G. Ul'iankin. *Trudy MNIIPP* 1:49-62 '61.
- Size range of spiral classifiers and hydraulic cyclones. Gor. zhur. no. 5:63 My '62.
- Use of hydrocyclones in the sugar industry. V. A. Zam-brova'kii. *Khar. prom.* no. 4:17-23 O-D '62.
- Using tubular gravel separators designed by the All-Union Research Institute of the Rock, Gravel and Sand Industry in working sand and gravel deposits using hydraulic engineering machinery. I. S. Khoperskii. *Biul. tekhn. inform. inst.* "Proektgidromekh." no. 1:4-11 '62.

SEPTORIA see subdivision under Ukraine

SEPULCHRAL MONUMENTS see subdivision under Samarkand

SEQUENCES (MATHEMATICS)

- Note on the analysis of certain iterative processes. B. P. Pugachev. *Zhur. vych. mat. i mat. fiz.* 2 no. 5:912-915 S-O '62.
- Orthogonal systems of rational functions on a circle with a given set of poles. M. M. Dzhrbashian. *Dokl. AN SSSR* 147 no. 6:1278-1281 D '62.
- Stationary Gaussian sequences having the property of strong mixing. I. A. Ibragimov. *Dokl. AN SSSR* 147 no. 6:1282-1284 D '62.

SERAFIMOVICH, ALEKSANDR SERAFIMOVICH

- Great friendship. S. Barnadas. *Voen. znan.* 39 no. 1: 13-14 Ja '63.
- Serafimovich for children. F. Satin. *Nar. obr.* no. 1: 80-90 Ja '63.

SERGEI, Archbishop of Berlin and Central Europe, 1908

- Sorgil, Archbishop of Berlin and Central Europe (on the occasion of his nomination to the Exarchate of Central Europe). *Zhur. Mosk. Patr.* no. 11:10-11 N '62.

SERICITE see subdivision under Zyuzel'skii

SERICULTURE see subdivision under Uzbekistan

SERIES

- On two theorems of Chow and their generalizations for double series [with summary in German]. *Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk* 11 no. 4:277-287 '62.
- An optimal dynamic system assuming expandability of the mathematical expectations of the control responses in terms of the harmonic components. A. N. Skladarevich. *Izv. AN SSSR. Otd. tekhn. nauk. Energ. i avtom.* no. 6:87-76 N-D '62.
- Some properties of countably-multiple numerical series. V. I. Shambol'. *Trudy Vych. tsentra AN Gruz. SSR* 2: 47-58 '62.

- SERIES, DIRICHLET'S**
Double sums connected with zeroes of Dirichlet's L-series [with summary in English]. A.I. Vinogradov. Vest. LGU 18 no. 1:59-63 '63.
- SERIES, TAYLOR'S**
Mandelbrojt, Shulim. [Closed theorems and theorems of composition] Teoremy zamknutosti i teoremy kompozitsii; zapis' lektsii i perevod vypolneny E. A. Gorinym, A. S. Dyninym, B. S. Mitaginym. Moskva, Izd-vo Inostr. lit-ry, 1962. 153 p. (Biblioteka sbornika matematika)
- SERINE**
Role of individual molecule groupings of N-dichloroacetyl-D, L-serine in its biological activity. G. L. Zhidnev and others. Dokl. AN SSSR 147 no. 6:1510-1511 D '62.
- SEROTONIN**
Change in serotonin metabolism during the treatment of patients suffering from manic-depressive psychoses. E. I. Shagarevskaya. Zdrav. Bel. 8 no. 12:28-30 D '62.
- SEROV, VALENTIN ALEKSANDROVICH, 1885-1911**
Sokolova, N. I. Valentin Aleksandrovich Serov. Moskva, Akad. Khudozh. SSSR, 1961. 76 p. illus. (Mh)
- SEROV, VLADIMIR ALEKSANDROVICH, 1910-**
Serov, V. A. [Paintings] Kartiny. [Avtor teksta I. A. Brodskii] Leningrad, Khudozhnik RSFSR, 1960. 1 v. [unpaged, chiefly illus. (Velikiy Oktabr' v proizvedeniyakh sovetskikh khudozhnikov) (WU)]
- SERPENTINITES** see subdivision under Georgia; Ural Mountains
- SERPENTS** see subdivision under Turkmenistan
- SERUM**
Applying dry pregnant mare's serum for stimulating multiparity in sheep. A. M. Amarshev, V. V. Logodimov, A. Dzhaidarov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 11:71-75 O '62.
Effect of inactive pregnant mare's serum on the increase of weight in cattle fattened on beet pulp. G. G. Fedosenko. Vest. sel'khoz. nauki [Kazakh.] 5 no. 12:61-64 D '62.
- SERUM DIAGNOSIS**
Data on the serum diagnosis of Q fever. L. D. Vasil'eva. Trudy Len. inst. epid. i mikrobiol. 20:29-42 '59.
- SERUM THERAPY**
Therapeutic use in myxedema of blood serum from thyrotoxicosis patients [with summary in English]. G. I. Semanova. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:108-110 '61.
- SERVICE INDUSTRIES** see subdivision under Kuznetsk District (Penza Province); Moscow; Riga; Virgin Territory
- SERVICE STATIONS**
Afanasyev, L. L., B. S. Kollashskii, and A. A. Maslov. [Garages and service stations; album of drawings] Garazhi i stantsii obsluzhivaniya avtomobilov; albom chertezhei. Moskva, Avtotransizdat, 1962. 104 p.
- SERVOMECHANISMS**
Characteristics and calculation of composite servo systems satisfying the conditions of invariance. E. G. Uderman. Izv. AN SSSR. Old. tekhn. nauk. Energ. i avtom. no. 6:139-143 N-D '62.
Correction of digital servomechanisms by the rate of the change in the input signal. A. V. Baltrushevich. Priboirostroenie no. 12:27-28 D '62.
Dynamic accuracy of two-coordinate servosystems with program control. K. V. Leppik. Sbor. rab. po vop. elektromekh. no. 7:50-59 '62.
Increasing the operational accuracy of the command system by servodrives with short-circuited asynchronous motors. V. A. Shubenko, A. V. Karochkin. Trudy Ural. politekh. inst. no. 119:90-95 '62.
Inversion of finite automata. V. I. Levenshtein. Dokl. AN SSSR 147 no. 6:1300-1303 D '62.
Retention of stability in a certain class of nonlinear systems with presence of considerable disturbances [with summary in English]. R. I. U. Mamedov. Avtom. i telem. 24 no. 1:109-111 Ja '63.
Servo system compensating device using operative a. c. IU. L. Gold'lich. Izv. vys. ucheb. zav. i elektromekh. 5 no. 9:1024-1032 '62.
Start servomotor of the regulator of the 2D100 diesel engine. A. I. Rempel'. Elek. i teple. tiaga 6 no. 11:37-39 N '62.
- SEVAN LAKE REGION—CORN (MAIZE)—FERTILIZERS AND MANURES**
Effect of local application of mineral fertilizers on corn yields in the Sevan basin [in Armenian with summary in Russian]. Zh. S. Rafaelian. Izv. Giav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:29-34 '62.
- SEVASTOPOL—ADULT EDUCATION**
From the treasure house of progressive experience. A. Slabospitskiy, I. Antonova, Z. Ugnich. Sov. deput. trud. no. 1:24-25 Ja '63.
- SEVASTOPOL—AUXILIARY POLICE**
Red armbands. M. Kazakevich. Sov. deput. trud. no. 1:20-22 Ja '63.
- SEVASTOPOL—CITY PLANNING**
The heroic city of Sevastopol. V. Petropavlovskii. Stroitel'stvo 10 no. 8:23-26 Ag '62.
- SEVASTOPOL—CIVIC IMPROVEMENT**
From the treasure house of progressive experience. A. Slabospitskiy, I. Antonova, Z. Ugnich. Sov. deput. trud. no. 1:24-25 Ja '63.
- SEVASTOPOL—CONSTRUCTION INDUSTRY**
Two communists. V. Kunov. Stroitel' 8 no. 11:24-25 N '62.
We are building many houses and we are building them well. N. Muzyka. Sov. deput. trud. no. 1:14-16 Ja '63.
- SEVASTOPOL—LABOR COURTS**
The rules of decent behavior. V. Furina. Sov. deput. trud. no. 1:22-23 Ja '63.
- SEVASTOPOL—POLITICS AND GOVERNMENT**
For an effective control of city government. P. Bobrov. Sov. deput. trud. no. 1:18-20 Ja '63.
- SEVASTOPOL—SOVIETS**
My work in my electoral district and in a commission of our executive committee. I. Rabin. Sov. deput. trud. no. 1:15-18 Ja '63.
- SEVERNAYA DVINA** see Northern Dvina River
- SEVERNYY DONETS—COAL GEOLOGY**
Carboniferous sediments in the Don-Northern Donets interfluvium. N. S. Morozov, G. M. Iarikov. Uch. zap. SGU 65:29-38 '59.
- SEVERTSOV, ALEKSEI NIKOLAEVICH, 1866-1936**
A. N. Severtsov's school in Kiev. V. H. Kas'ianenko. Pratsi inst. zool. AN URSR 18:3-11 '62.
- SEWAGE**
Causes of the decrease of water-soluble phosphates in municipal sewage. L. S. Krivitskaya. Vod. i san. tekhn. no. 12:9-10 D '62.
- SEWAGE—BACTERIOLOGY**
Litvinova, N. N., V. N. Rjabova, and N. I. Khlebnikova, eds. [Hygiene of irrigated agricultural fields; experimental hygienic research] Gigena zemel' cheskih polov orosheniya; eksperimental'nye gigenicheskie issledovaniya. Moskva, Medgiz, 1962. 299 p. (DNLM)
- SEWAGE—PURIFICATION**
(see also subdivision under Moscow)
Clarifying slurry from electrode manufacture by means of centrifugation. L. M. Poleschuk, A. V. Brazhnikova. Vod. i san. tekhn. no. 12:15-16 D '62.
Deactivating capacity of purification structures. E. A. Pugachev. Vod. i san. tekhn. no. 12:13-14 D '62.
Joint purification of acid sewage and sewage containing mazut, both from pipe rolling. S. E. Kodes, K. L. Ushkovskaya. Vod. i san. tekhn. no. 12:10-12 D '62.
Lainer, V. I. [Purification of waste waters in metallurgy] Voprosy obezvrezhivaniya stochnykh vod v metallurgii. Moskva, Metallurgizdat, 1962. 65 p.
Technical and economic efficiency of water dephenolization by the method of electrochemical oxidation. A. V. Sakharov. Lakokras. mat. i ikh prim. no. 6:30-32 '62.
- SEWAGE IRRIGATION**
Litvinova, N. N., V. N. Rjabova, and N. I. Khlebnikova, eds. [Hygiene of irrigated agricultural fields; experimental hygienic research] Gigena zemel' cheskih polov orosheniya; eksperimental'nye gigenicheskie issledovaniya. Moskva, Medgiz, 1962. 299 p. (DNLM)
- SEWERAGE**
(see also subdivision under Moscow)
"Handbook on water supply and sewerage." Reviewed by A. I. Balashov and others. Vod. i san. tekhn. no. 12:32-34 D '62.
- SEWERAGE, RURAL**
Small-scale sewerage for individual homes. I. Sharmenovskii. Sel'stroy. 15 no. 4:28-30 Ap '60.
- SEX HORMONES** see Hormones, Sex
- SEX INSTRUCTION**
Parfanyovych, Sofia. [Man and woman; sexual life and venereal diseases] Chelovek i zhinka; pro statevye zhytiya ta statevi khvoroby. 3. vyprav. i dop. vyd. z malunkamy. Augsburg, Nakl. Pylypa Volchuka, 1946. 31 p. (IU)
- SEXUAL ETHICS**
Parfanyovych, Sofia. [Man and woman; sexual life and venereal diseases] Chelovek i zhinka; pro statevye zhytiya ta statevi khvoroby. 3. vyprav. i dop. vyd. z malunkamy. Augsburg, Nakl. Pylypa Volchuka, 1946. 31 p. (IU)
- SHABALINSKIY DISTRICT—INSURANCE, SOCIAL—EMPLOYEES**
Her heart is in her work. E. Mikhnev. Sots. chesp. 23 no. 11:30 N '62.
- SHAFT SINKING**
"Ways of controlling water in potassium and salt mines during shaft sinking" by N. G. Trupak. Reviewed by M. B. Samoilovskii. Gor. zhur. no. 5:80 My '62.
- SHAFT SINKING—EQUIPMENT AND SUPPLIES**
New machinery and the efficient distribution of mining equipment for the deepening of mine shafts. V. N. Voinalovich. Met. i gornorud. prom. no. 5:42-45 S-O '62.
- SHAKHBUZ DISTRICT—MINERAL WATERS**
Guseinov, A. G., and Ch. Kh. Agaeva. [Badamly mineral water]; Badamlynskaya mineral'naya voda. Baku, Azer-neshr, 1962. 21 p. (DNLM)
- SHALE** see subdivision under Estonia
- SHAMKHORCHAY VALLEY—GEOLOGY**
Quaternary sediments in the Shamkhorchay-Dzaganchay interfluvium. R. G. Sultanov, M. P. Gadzhiev. Uch. zap. AGU, Geol.-geog. ser. no. 1:15-23 '62.
- SHAMOV, VLADIMIR NIKOLAEVICH**
In the name of life. P. Iudin. NTO 4 no. 11:28-30 N '62.
- SHAMURIN, EVGENII IVANOVICH, 1889-1962**
Evgenii Ivanovich Shamurin. Sov. bibl. no. 6:69-72 '62.
- SHARAN DISTRICT—CAVES**
Riddles of Bashkiria. II. Vakhrushev. Nauka i zhytiya 12 no. 11:45-47 N '62.
- SHAVING**
What men should know about the care of facial skin. I. I. Kal'chenko. Rab. i sial. 38 no. 12:21 D '62.
- SHCHEGLIAEV, ANDREI VLADIMIROVICH, 1902-**
A. V. Shchegliaev on his 60th birthday. Energomashino-stroenie 8 no. 11:41 N '62.
- SHCHUKIN, BORIS VASIL'EVICH, 1894-1939**
Embodiment of a character; Shchukin in the image of Lenin. M. Romm. Vop. kinok. no. 6:83-121 '62.
- SHEARS (MACHINE TOOLS)**
Developing and investigating new conditions of cutting with the shears of blooming mill no. 3 at the Magnitogorsk Metallurgical Combine. E. V. Pal'mov and others. Trudy Ural. politekh. inst. no. 119:22-27 '62.
Device for reducing the initial acceleration of flying shears. Mashinoostroenie no. 5:123 S-O '62.
New design of the shears' support. P. V. Knysch. Mashinoostroitel' no. 12:20 D '62.
- SHEARS (MACHINE TOOLS)—TESTING**
Investigating the strength of construction of certain parts of blooming mill shears. E. V. Pal'mov and others. Trudy Ural. politekh. inst. no. 119:28-34 '62.
Measurement of the drawing-in forces and the maximum grip angle in metal cutting on a testing outfit of circular blade shears. E. V. Pal'mov, A. M. Saburov. Trudy Ural. politekh. inst. no. 119:100-108 '62.
- SHEBALIN, VISSARION IAKOVLEVICH, 1902-**
Bonch-Osmolovskaya, E. K. [V. Shebalin's opera "Tam-ing of the shrew"; an analysis] Opera V. Shebalina "Ul'roschenie stroptivoi"; poissaniye. Moskva, Sovetskii kompozitor, 1962. 111 p.
Youth of a great artist. M. Sabina. Sov. muz. 26 no. 12:89-90 D '62.
- SHEDDING OF FRUIT** see Abscission (Botany)
- SHEEP** see subdivision under Lvov Province; Uzbekistan
- SHEEP—DISEASES AND PESTS**
(see also subdivision under Alma-Ata Province; Armenia; Azerbaijan)
Studying the dynamics of the pathological process and course of experimental listerellosis in sheep. A. A. Annagiev. Trudy Azer. nauch.-issl. vet. inst. 13:211-215 '62.
Variant of Corynebacterium ovis in the bile of sheep, a changed form of the causative agent of infectious poly-arthritis in lambs. Report No. 6. I. A. Farzaliyev. Trudy Azer. nauch.-issl. vet. inst. 13:71-75 '62.
- SHEEP—FEEDING AND FEEDS**
Effect of feeding sodium sulfate on the productivity of sheep and the physicochemical characteristics of wool. I. A. Makar. Nauk. pratsi Nauk.-dosl. inst. zem. i tvar. zakh. ratoniv. URSR 14 no. 4:48-65 '61.
- SHEEP AS CARRIERS OF DISEASE** see subdivision under Azerbaijan

SHEEP BREEDING

(see also subdivision under Carpathian Mountains; Kazakhstan; Konimex; Stepanyan District)
Artificial stimulation of heat in sheep [with summaries in English, German, and French]. A. I. Lopyrin, N. V. Logineva, V. I. Donskaia. Vest. sel'khoz. nauk 7 no. 11:82-87 N '62.

SHEEP HOUSES AND EQUIPMENT

Simplified sheepfolds. G. Lopatin, I. Shuran. Sel'. stroi. no. 12:13 D '62.

SHEET METAL

Thickness determination of metal foils by intensity change of the characteristic X rays. V. N. Karev, A. P. Kiucharev, V. N. Medlansk. Zav. lab. 28 no. 12:1449-1451 '62.

SHEET METAL—ANALYSIS

X-ray spectral analysis of thin metal foils. A. D. Bondar and others. Zav. lab. 28 no. 12:1446-1448 '62.

SHEET-METAL WORK

Establishing parameters and organizing the process of the stamping of toothed automobile pinions. M. G. Lebedev, A. M. Smurov. Avi. prom. 20 no. 1:35-38 Ja '63.

SHEET-METAL WORK—EXPLOSIVES

see Explosives in sheet-metal work

SHEET-METAL WORK—SAFETY MEASURES

Tomarev, M. M. [Safety measures in sheet-metal work] Tekhnika bezopasnosti pri kholodnoi shtampovke metalovogo metallu. 2 izd., perer. i dop. Moskva, Oborongiz, 1962. 442 p.

SHEET-METAL-WORKING MACHINERY

Mechanizing cold sheet metal working processes. S. N. Neveshii. Kuz.-shtam. proizv. 4 no. 12:18-22 D '62.

SHEET STEEL—MAGNETIC PROPERTIES

Improving the procedure for making transformer steel. V. S. Galan and others. Metallurg 8 no. 1:13-14 Ja '63.

SHELL ROOFS

see Roofs, Shell

SHEVCHENKO, TARAS, 1814-1861

Chabanivskiy, Mykhailo. [Along the road of a great destiny; travel notes] Shliakhamy velykoj doli; dorozhni natatky. Kyiv, Molod', 1961. 137 p. (MU)

Dnipropetrovskaya oblastna khudozhnia vystavka, pryvlyachena 100-ricchch z dnia smerti T. H. Shevchenka, Dnipropetrovsk, 1961. [Commemoration of T. H. Shevchenko by artists of Dnipropetrovsk Province on the centenary of his death; a catalog] Shauvamia pam'atti T. H. Shevchenka khudozhnykamy Dnipropetrovshchyny; do 100 richchia z dnia smerti T. H. Shevchenka. Katalog. Dnipropetrovsk, 1961. 93 p. (MU)

Nul'ha, H. A. [T. H. Shevchenko's "Testament."] Zapovit T. H. Shevchenka. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 39 p. InU MU

[T. H. Shevchenko in the reminiscences of his contemporaries] T. G. Shevchenko v vspominaniakh sovromonnikov. [Moskva] Goslitizdat, 1962. 511 p. (Seria literaturnykh memuarov)

"The truth about our national bard" by Vasyli Barka. Reviewed by V. Lutsiv. Zhyttia i shkola 8 no. 10/12:63-64 O-D '62.

SHEVCHENKO, TARAS, 1814-1861—BIBLIOGRAPHY

see Bibliography—Shevchenko, Taras, 1814-1861

SHEVCHENKO, TARAS, 1814-1861—MUSEUMS, RELICS, ETC.

Kiev. Derzhavnyi muzei T. H. Shevchenka. [The T. H. Shevchenko Museum in Kiev; a guidebook] Kyivs'kyi derzhavnyi muzei T. H. Shevchenka; putivnykh. Kyiv, Akad. nauk URSR, 1961. 140 p. (MU)

SHEVCHENKOVO (ZVENIGORODKA DISTRICT)—RURAL SCHOOLS

"Schools in the hometown of Taras Shevchenko" by M. Nizhynskiy. Reviewed by O. H. Rad. shk. 41 no. 12:87-88 D '62.

SHIDLOVSKII, PAVEL IVANOVICH

Zagorodnii, G. N. Pavel Shidlovskii. Moskva, Sovetskii kompozitor, 1962. 25 p. (Narodnye povisy i muzykanty) (MU)

SHIELD BUGS

see Eurygastera

SHIP HANDLING—BIBLIOGRAPHY

see Bibliography—Ship handling

SHIP MODELS

Model boat builders. M. Mashinskii. Voen. znan. 39 no. 1:32 Ja '63.
Specialists of the "small fleet." NTO 4 no. 9:58-60 S '62.

SHIP PROPULSION

Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut Morskogo flota. [Guide to the control of a ship's seaworthiness by the ship's personnel and by means available on board] Rukovodstvo po nabludeniu za morekhodnost'iu sudna sllami i sredstvami sudovogo sostava. Leningrad, Izd-vo "Morskoi transport," 1962. 22 p. (MICROFILM)

Plane motion of a ship exposed to wind [with summary in English]. A. P. Vorob'ev. Vest. LGU 18 no. 1:90-95 '63.

SHIP PROPULSION—TRANSMISSION DEVICES

Main results of investigating on models the characteristics of a hydrotransmitter of reverse. I. F. Mikhnevich. Sudostroenie 28 no. 10:21-25 O '62.

SHIP RESISTANCE

Method of checking the water resistance to a ship's propulsion. IA. I. Voitskuskii. Sudostroenie 28 no. 10:7-10 O '62.

SHIPBUILDING

(see also subdivision under France; Germany, East; Poland; United States)

Dornidontov, V. K., and others. [Shipbuilding technology] Tekhnologiya sudostroeniia. Pod obshchei red. V. K. Dornidontova. Leningrad, Sudpromgiz, 1962. 695 p.

First results of our work. N. K. Kushnarenko. Sred. spets. obr. 10 no. 1:7-9 Ja '63.

New trends in shipbuilding. IA. G. Shtepan. Mashino-stroenie no. 5:125-127 S-O '62.

SHIPBUILDING—AUDITING AND INSPECTION

see sub-division under Gorky

SHIPBUILDING—BIBLIOGRAPHY

see Bibliography—Shipbuilding

SHIPBUILDING—CONGRESSES

Conference on the mechanization of administrative work in shipbuilding organizations and enterprises. IU. Deghtarev. Bil. nauch. inform. i trud i zar. plnia 5 no. 4:49-54 '62.

SHIPBUILDING—EQUIPMENT AND SUPPLIES

Mechanization of heavy operations in the woodworking shop. I. S. Marasnov. Sudostroenie 28 no. 10:55-57 O '62.

SHIPBUILDING MATERIALS

Golota, G. F. [Ship carpenter] Sudovoi plotnik. Leningrad, Sudpromgiz, 1962. 247 p.
Improving the supply of materials and equipment. I. T. Potapov. Sudostroenie 28 no. 10:46-47 O '62.

SHIPFITTING

Rapid methods of testing glued joints. V. M. Khrylev. Sudostroenie 28 no. 10:40-44 O '62.

SHIPMENT OF GOODS

How to calculate the time of goods in shipment better. L. Osipovich. Fin. SSSR 23 no. 12:51-56 D '62.

SHIPPING

see subdivision under Caspian Sea; Danube River

SHIPPING—ABSTRACTS

[Water transportation] Ref. zhur.: Vod. transp. no. 1 Ja '63.

SHIPS—ELECTRIC EQUIPMENT

The S-60 searchlight for ships. Svetotekhnika 8 no. 12:31 D '62.

SHIPS—EQUIPMENT AND SUPPLIES

Furnishing seagoing vessels with materials for the separation of cargo and additional equipment according to Soviet maritime law. K. I. Aleksandrova. Inform. sbor. TSNIIMF no. 82. Mor. pravo i prak. no. 18:3-6 '62.

Petrina, N. P. [Marine pumps] Sudovye nasosy. Pod red. V. P. Gur'eva. Leningrad, Sudpromgiz, 1962. 375 p.

Some characteristics of torsion meters for use on ships. N. V. Alfirova. Trudy TSNIIMF 8 no. 42:58-63 '62.

SHIPS—HYDRODYNAMICS

Incidental bending moments acting on a ship's hull during rolling. N. V. Chelyrkin. Trudy TSNIIMF 8 no. 42:71-85 '62.

SHIPS—MAINTENANCE AND REPAIR

see subdivision under Astrakhan; Chistopol; Riga

SHIRVAN STEPPE

see Kura Lowland

SHKLOVSKII, VIKTOR BORISOVICH, 1893-

Once upon a time... (part three). Viktor Shklovskii. Znamia 32 no. 12:171-186 D '62.
Once upon a time... (to be continued). Viktor Shklovskii. Znamia 33 no. 1:177-186 Ja '63.

SHKULEV, FEDOR STEPANOVICH

Singer of the revolution. A. Stempkovskii. V mire knig 2 no. 11:32 N '62.

SHOCK

Blood transfusion with the support of an antishock fluid in clinical pulmonary tuberculosis. I. L. Drulin, M. I. Tafilinskai. Zdrav. Bel. 8 no. 12:13-15 D '62.

SHOCK WAVES

Effect of a magnetic field on the propagation of plane and cylindrical shock waves. V. P. Korobelnikov, E. V. Riazanov. PMTF no. 4:47-51 JI-Ag '62.

Electromotive force of a pair of metals compressed by a shock wave. V. S. Ilukhin, V. N. Kologrivov. PMTF no. 5:175-176 S-O '62.

Increase in radiation intensity before the emergence of a shock wave to the surface of a homogeneous medium [with summary in English]. I. A. Klymyshyn, A. L. Kravchuk. Ukr. fiz. zhur. 7 no. 10:1083-1089 O '62.

Interaction between a shock wave and a dispersive barrier in an elastic-plastic medium. G. M. Likhov, N. I. Polakova. PMTF no. 5:89-95 S-O '62.

Interaction between a simple wave and a contact discontinuity [with summary in English]. IU. A. Sozonenko. Vest. Mosk. un. Ser. I. Mat., mekh. 18 no. 1:54-61 Ja-I' '63.

Measurement of the rate of gas flows by kinematic methods; review. A. M. Trokhan. PMTF no. 2:112-121 Mr-Ap '62.

On the feasibility of interferometric study of gaseous inhomogeneities with irregular density distribution [with summary in English]. V. A. Emed'ianov. Inzh.-fiz. zhur. 6 no. 1:70-85 Ja '63.

On the theory of discharge waves. A. M. Skobelev. Prikl. mat. i mekh. 26 no. 6:1050-1056 N-D '62.

Parameters of a shock wave produced by underwater explosion of a fuse charge. B. D. Khristoforov, E. A. Shirokova. PMTF no. 5:147-149 S-O '62.

Propagation of a spherical explosion wave in a heat-conducting gas. V. E. Neuvazhaev. Prikl. mat. i mekh. 26 no. 6:1094-1099 N-D '62.

Propagation of plane elastic waves in an infinite medium situated in a magnetic field. N. I. Dolbin. PMTF no. 5:146-147 S-O '62.

Rarefaction wave in a relaxing gaseous mixture. V. N. Arkhipov. PMTF no. 4:40-46 JI-Ag '62.

Reflection of a shock wave from a burning surface. IU. S. Riazantsev. PMTF no. 2:122-123 Mr-Ap '62.

Shock wave compression of quartz. G. A. Adadurov and others. PMTF no. 4:81-89 JI-Ag '62.

Structure of a detonation wave in a plane channel. V. V. Mitrofanov. PMTF no. 4:100-105 JI-Ag '62.

SHOE INDUSTRY

see subdivision under Lvov Economic region

SHOE INDUSTRY—QUALITY CONTROL

Awarding bonuses to workers in light-industry enterprises for improving production quality. E. Kostrikova. Sots. trud 7 no. 4:137-141 Ap '62.

SHOE MANUFACTURE

(see also subdivision under Great Britain)
The term "Soviet" is synonymous with excellent. Kozh. -obuv. prom. 4 no. 12:1-3 D '62.

Use of monolytic rubber half heels for men's fancy footwear. A. M. Solntsev. Kozh. -obuv. prom. 4 no. 12:29-30 D '62.

Vsesoiuznaya nauchno-tekhnicheskai konferentsiia po voprosu "Puti sovshenshtvovaniia organizatsii proizvodstva i uluchsheniia kachestva obuvi." Byerdlovsk, 1961. [Recommendations of the All-Union Scientific and Technical Conference on the "Ways of improving the production organization and quality of footwear"] Rekomendatsii. Moskva, 1962. 9 p.

SHOLOKHOV, MIKHAIL ALEKSANDROVICH, 1905-

Lessons of Sholokhov. L. Iakimenko. Znamia 32 no. 10:205-210 O '62.

Lur'e, A. N. [M. A. Sholokhov's novel "Virgin soil upturned"] Roman M. A. Sholokhova "Podniatina Tselina." Izd. 2., 1spr. i dop. Leningrad, Ob-vo po raspr. polit. i nauchn. znaniu RSFSR, 1962. 59 p. (Seria "V pomoshch' uchashchimsia starskhikh klassov")

Shkerin, M. R. [School of courage; on M. Sholokhov's "Virgin Soil Upturned"] Shkola muzhestva; o "Podniatoinelino" M. Sholokhova. Moskva, Goslitizdat, 1962. 117 p. (Massovaya istoriko-literaturnai biblioteka) (CIY) (MU)

SHOOTING

Eyesight of marksmen. N. Medvedeva. Voen. znan. 39 no. 1:31 Ja '63.

General physical preparation of marksmen. N. G. Medvedeva, N. A. Roggo, S. E. Myshalov. Teor. i prak. fiz. kul't. 25 no. 11:27-30 N '62.

Trainer of marksmen. K. Khotimskii. Voen. znan. 39 no. 1:31 Ja '63.

SHOOTING CONTESTS

(see also subdivision under Crimea)
From Caracas to Cairo; the results of the 38th international competition in shooting. O. Zhigotov. Voen. znan. 39 no. 1:27-28 Ja '63.

SHOPPING CENTERS

Shopping centers for residential areas. O. Ianitskii. Zhil. stroi. no. 10:18-22 '62.

SHORE PROTECTION

(see also subdivision under Georgia)
Results of laboratory studies of a longitudinal deflecting, bank-protecting structure. K. F. Tebukashvili. Trudy Gruz NIIGIM no. 21:279-282 '60.

- SHORT STORIES, UZBEK**
Bahadzhon, Ramz, comp. [In the wide open spaces of Uzbekistan. Translated from the Uzbek] Na prostorakh Uzbekistana; sbornik. Moskva, Sovetskii pisatel', 1961. 193 p.
(MIU)
- SHORTHAND**
Akop'ian, O. S. [Shorthand textbook; general and advanced] Uchebnik stenografii; massovoe i professional'noe pis'mo. Izd. 2. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1962. 109 p.
- SHOSTAKOVICH, DMITRI DMITRIEVICH, 1906-**
Harmony and polyphony; remarks on the polyphonic cycles of Bach, Hindemith, and Shostakovich. M. Etinger. Sov. muz. 26 no. 12:29-34 D '62.
Mazel', L. A. [D. D. Shostakovich's symphonies; a guide] Simfonii D. D. Shostakovicha; putevoditel'. Moskva, Sovetskii kompozitor, 1960. 149 p.
(MIU)
Sibelius and Shostakovich on the program. D. Blagol. Sov. muz. 26 no. 12:91 D '62.
- SHOW WINDOWS**
Dressing the show windows of a bookstore. L. Tikhonova. Sov. potrebn. koop. 6 no. 11:57-58 N '62.
"Our windows are our posters." Bohdan Gustowski. Sov. knizh. torg. 14 no. 12:24-25 D '62.
- SHPOL'SKII, EDUARD VLADIMIROVICH, 1892-**
Eduard Vladimirovich Shpol'skii; on his 70th birthday. G. Rozenberg. Usp. fiz. nauk 79 no. 1:161-164 Ja '63.
- SHRUBS** see subdivision under Kuybyshev Province; Ukraine
- SHTERNBERG, PAVEL KARLOVICH, 1865-1920**
"With the same strong hand..." V. Sorokin. Nauka i zhizn' 29 no. 11:12-15 N '62.
- SHUL'TS IOSIF ABRAMOVICH, 1897-1962**
Iosif Abramovich Shul'ts; obituary. Khleb i kond. prom. 6 no. 12:48 D '62.
- SIURCHI DISTRICT—COTTON GROWING**
Fulfilling a lofty obligation. N. Ishmatov. Part. zhizn' [Uzb.] 5 no. 11:30-33 N '62.
- SHUSHENSKOYE—BUILDING**
In the village of Shushenskoye. Sel'. strol. 15 no. 4:15 Ap '60.
- SIBELIUS, JEAN, 1865-1957**
Sibelius and Shostakovich on the program. D. Blagol. Sov. muz. 26 no. 12:91 D '62.
- SIBERIA**
Siberia and Siberians. Ogonek 40 no. 37:12-13 S '62.
- SIBERIA—ANTIQUITIES**
[Archaeology of the U.S.S.R.; collection of archaeological sources] Arkheologiya SSSR; svod arkheologicheskikh istochnikov. Pod obshchei red. B. A. Rybakova. Moskva, Izd-vo Akad. nauk SSSR.
No. D3-9. Rudenko, S. I. [The Siberian collection of Peter I.] Sibirskaia kollektsiia Petra I. 1962. 51 p. plates.
- SIBERIA—COLLECTIVE FARMS**
Martynov, N. S. [Rural soviets of Siberia in the struggle to achieve collectivization, 1933-1937] Sel'skie Sovety Sibiri v bor'be za zavershenie kolektivizatsii, 1933-1937 gg. Pod red. D. I. Nagruzova. Abakan, Khakas-skoe knizhnoe izd-vo, 1961. 40 p.
(MIU)
- SIBERIA—DESCRIPTION AND TRAVEL**
Heading for the Arctic Ocean. O. Knorrning. Ogonek 40 no. 37:9-11 S '62.
Paderin, G. N. [Land of new addresses; sketches] Zemlia novykh adresov; [ocherki. Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1961. 181 p.
(MIU)
- SIBERIA—ECONOMIC CONDITIONS**
An hour of a great territory. Ogonek 40 no. 37:5 S '62.
- SIBERIA—ELECTRIC RAILROADS—EMPLOYEES**
An outstanding electrification worker of the trans-Siberian railroad. D. A. Iakimushkin. Elek. i tepl. tiaga 6 no. 11:22-23 N '62.
- SIBERIA—ESKIMOS**
Remnants of a patriarchal clan system among the Eskimos of Asia [with summary in English]. G. A. Menovshchikov. Sov. etn. no. 6:29-34 N-D '62.
Remnants of a patriarchal system among the Eskimos of Asia. D. A. Sergeev. Sov. etn. no. 6:35-42 N-D '62.
- SIBERIA—GEOPHYSICAL RESEARCH**
Geophysical research in Siberia and the Far East. E. E. Fotiad. Vest. AN SSSR 33 no. 1:16-20 Ja '63.
- SIBERIA—HIDDENITE**
Hiddenite from granite pegmatites of Siberia. N. S. Samsonova, V. G. Fekichev. Trudy IMGRE no. 8:197-200 '62.
- SIBERIA—HISTORY**
Historians who contributed their articles to the "History of Siberia in several volumes" have met with archivists. I. D. Anashkin. Ist. arkh. 8 no. 5:208-209 S-O '62.
- SIBERIA—MATHEMATICS—COMPETITIONS**
Searching for new Lomonosovs. G. Mendelevich. Nauka i zhizn' 29 no. 11:90-91 N '62.
- SIBERIA—METALS, RARE AND MINOR**
Origin of rare-metal pegmatites in a deposit of Siberia. I. B. Nedumov. Trudy IMGRE no. 8:85-132 '62.
- SIBERIA—PEGMATITES**
Hiddenite from granite pegmatites of Siberia. N. S. Samsonova, V. G. Fekichev. Trudy IMGRE no. 8:197-200 '62.
Origin of rare-metal pegmatites in a deposit of Siberia. I. B. Nedumov. Trudy IMGRE no. 8:85-132 '62.
Paragenesis and formation of pollucite in a pegmatite deposit of Siberia. G. B. Melent'ev. Trudy IMGRE no. 8:156-165 '62.
- SIBERIA—PINE**
Harvest of the Siberian pine nuts and taiga fauna. F. R. Shil'mark, A. I. Khlebnikov. Priroda 52 no. 1:106-107 '63.
- SIBERIA—POLLUCITE**
Paragenesis and formation of pollucite in a pegmatite deposit of Siberia. G. B. Melent'ev. Trudy IMGRE no. 8:156-165 '62.
- SIBERIA—RAILROADS**
Story about a great road. I. Buzylev. NTO 4 no. 11:38-41 N '62.
- SIBERIA—SOILS**
Akademiia nauk SSSR, Pochvennyi institut im. V. V. Dokuchaeva. [Soils of the Urals, Western and Central Siberia] O pochvakh Urala, Zapadnoi i Tsentral'noi Sibiri. Moskva, Izd-vo Akad. nauk SSSR, 1962. 200 p.
SIBERIA—SOVIETS
Martynov, N. S. [Rural soviets of Siberia in the struggle to achieve collectivization, 1933-1937] Sel'skie Sovety Sibiri v bor'be za zavershenie kolektivizatsii, 1933-1937 gg. Pod red. D. I. Nagruzova. Abakan, Khakas-skoe knizhnoe izd-vo, 1961. 40 p.
(MIU)
- SIBERIA—UNIVERSITIES AND COLLEGES—GRADUATE WORK**
Institutions of higher learning of the eastern regions have their own reserves. V. D. Kudriavtsev. Vest. vys. shkoly 20 no. 12:30-33 D '62.
- SIBERIA, EASTERN—AIR**
Characteristics of zonal and meridional processes over Eastern Siberia and the adjacent Pacific Ocean. G. G. Gromova. Trudy TSIP no. 119:104-112 '62.
- SIBERIA, EASTERN—FESCUE**
Two- and three-cellular hairs in Siberian sheep's fescues. U. F. Krivoluchenko. Trudy Vost.-Sib. biol. inst. SO AN SSSR no. 1:142-143 '62.
- SIBERIA, EASTERN—TRACE ELEMENTS**
Konferentsiia po mikroelementam v pochvakh, rastitel'nykh i zhivotnykh organizmakh Vostochnoi Sibiri i Dal'nego Vostoka. Ist. Ulan-Ude, 1960. [Microelements in soils, waters and organisms of Eastern Siberia and the Far East and their role in the life of plants, animals and man] Mikroelementy v pochvakh, vodakh i organizmakh Vostochnoi Sibiri i Dal'nego Vostoka i ikh rol' v zhizni rastenii, zhivotnykh i cheloveka; trudy, Ulan-Ude, Duriatskii kompleksnyi nauchno-issl. in-t, 1961. 275 p.
Minor elements in Lower Paleozoic sediments of Eastern Siberia. S. M. Katchenkov. Trudy VNIGRI no. 100:463-472 '62.
- SIBERIA, WESTERN—APPLE BREEDING**
New promising hybrids of apple for Western Siberia. V. N. Vasil'eva. Biol. Glav. bot. sada no. 47:83-86 '62.
- SIBERIA, WESTERN—BUILDING RESEARCH**
In the Western Siberian Branch. Biol. strol. tekhn. 19 no. 12:38-39 D '62.
The Western Siberian Branch. D. I. Koz'min. Izv. ASIA 4 no. 4:131-132 '62.
- SIBERIA, WESTERN—EDUCATION, COOPERATIVE**
History of work and technical training in the schools of Western Siberia in the postwar years; 1945-1952. Report No. 2. Elements of work and technical training in the teaching of biology in the first postwar years; 1945-1952. M. G. Khitarian. Dokl. APN no. 2:57-60 '62.
- SIBERIA, WESTERN—FISH CULTURE—CONGRESSES**
Russia (1923- U.S.S.R.) Gosudarstvennaia planovaya komissia. Ikhtologicheskaiia komissia. Zapadno-Sibirskoe otdelenie. [Development of pond fish culture in Siberia; materials of the Seventh Plenum of the Western Siberian Branch of the Ichthyological Commission of the State Planning Committee of the Council of Ministers of the U.S.S.R. held in Kemerovo on September 11-12, 1961] Razvitiie prудovogo rybolovstva v Sibiri; materialy VII Plenuma Zapadnogo Sibirskogo otdeleniia Ikhtologicheskoi komissii Gosplana SSSR, provedennogo v Kemerove 11-12 sentiabriia 1961 g. Novosibirsk, 1962. 95 p.
(DNAL) [MICROFILM]
- SIBERIA, WESTERN—FUNGUS GNATS**
New species of fungus gnats (Diptera, Fungivoridae s. l.) from Western Siberia. O. P. Plotnikova. Ent. obozr. 41 no. 4:800-000 '62.
- SIBERIA, WESTERN—PIPELINES**
Utilization of deposits of gas and petroleum in Western Siberia is the new responsible assignment of the Main Administration of the Gas Industry of the U.S.S.R. Stroi. truboprov. 7 no. 12:1-2 D '62.
- SIBERIA, WESTERN—RAIN AND RAINFALL**
Balancing relationships between precipitation in Western Siberia and the Ukraine in dry years. V. K. Ivanov. Meteor. i gidrol. no. 1:37-40 Ja '63.
- SIBERIA, WESTERN—WATER VOLES—EXTIRMINATION**
Water vole in Western Siberia. A. F. Chenkin. Zashch. rast. ot vred. i bol. 5 no. 5:11 My '60.
- SIBERIA, WESTERN—WHEAT—VARIETIES**
Early varieties for northern Kazakhstan and Western Siberia. A. Polnikov. Vest. sel'khoz. nauk 7 no. 11:150-151 N '62.
- SIBERIA, WESTERN—WHEAT BREEDING**
Possibilities of developing early ripening spring wheats for Western Siberia and northern Kazakhstan. P. E. Sudnov. Zemledelie 24 no. 11:88-90 N '62.
- SICK LEAVE**
Replies to our readers. Sov. profsoyuzy 18 no. 24:39-40 D '62.
- SIDERITE** see subdivision under Saratov Province
- SIEMENS-MARTIN FURNACE** see Open-hearth process
- SIEROZEM SOILS** see subdivision under Kazakhstan; Tajikistan
- SIEVES**
Feeder for stove purifying machines. N. Kalashnikov. Muk.-elev. prom. 28 no. 10:24-25 O '62.
Increasing the service reliability of the cross piece of sifters. M. Boriskin. Muk.-elev. prom. 28 no. 10:23-24 O '62.
- SILANE**
Catalytic cleavage of dimethylcycloriloxanes in the presence of dimethyldichlorosilane. K. A. Andrianov, V. V. Severnyi. Izv. AN SSSR. Old. khim. nauk no. 12:2133-2138 D '62.
Halogenation of aromatic silanes. Part 11: Addition of chlorine to phenylmethyldichlorosilane. Preparation of hexachlorocyclohexyl (methyl) dichlorosilane. G. V. Motaarev, V. R. Rozenberg. Zhur. ob. khim. 33 no. 1:255-258 '63.
Hydrolytic condensation of dimethylchlorosilane and phenyltrichlorosilane. A. G. Kuznetsova, K. A. Andrianov, D. I. Zhinkin. Plast. massy no. 11:15-19 '62.
Interaction of triethylsilane with mercury salts [with summary in English]. E. Lukevics, S. Hillers. Izv. AN Latv. SSR no. 4:95-98 '61.
Preparation of p-cyanophenylmethyldiethoxysilane. A. I. Ponomarev and others. Zhur. ob. khim. 33 no. 1:316 '63.
Preparation of triethoxysilane. V. L. Volkov and others. Plast. massy no. 12:28-29 '62.
Reaction of dimethyldichlorosilane with iron oxide. K. A. Andrianov and others. Zhur. ob. khim. 32 no. 12:3051-3052 D '62.
Reactions involved in the formation of alkyl (aryl) chlorosilanes in the direct interaction between alkyl (aryl) chloride and silicon. Report No. 3: Direct synthesis of ethyldichlorosilane. S. A. Golubtsov and others. Izv. AN SSSR. Old. khim. nauk no. 1:87-90 '63.
Reactions of dialkylchlorosilanes and alkyltrichlorosilanes with potassium dihydrophosphate. A. P. Kreshkov and others. Zhur. ob. khim. 33 no. 1:261-265 '63.
Synthesis in the series of furan-containing silicon organic compounds. Report No. 1: Reduction of furyl-, phenyl-, and thienyl-mercury chlorides by triethylsilane [with summary in English]. E. Lukevics, S. Hillers. Izv. AN Latv. SSR no. 4:99-102 '61.
Synthesis of polysilazanes based on di- and trifunctional organochlorosilanes. D. I. Zhinkin, N. V. Markova, M. V. Sobolevskii. Zhur. ob. khim. 33 no. 1:252-255 '63.
- SILANOL**
Oxygen-containing organosilicon compounds. Report No. 7: Acetylene and vinylacetylene silanols and their transformations. N. V. Komarov and others. Izv. AN SSSR. Old. khim. nauk no. 1:97-105 '63.
- SILAZANES**
Synthesis of polysilazanes based on di- and trifunctional organochlorosilanes. D. I. Zhinkin, N. V. Markova, M. V. Sobolevskii. Zhur. ob. khim. 33 no. 1:252-255 '63.
- SILICA**
Adsorption and heat of adsorption of vapors on silicoxy-lated silica [with summary in English]. B. G. Arslanov, I. U. Babkin, A. V. Kiselev. Koll. zhur. 24 no. 8:643-647 N-D '62.

SILICA (Continued)

Adsorption of hydrocarbons from binary solutions on silica gel [with summary in English]. A. V. Kiselev, I. V. Shikalova, Koll. zhur. 24 no. 6:687-695 N-D '62.

Increase in adsorption energy in the compression of nonporous silica particles with a chemically modified surface [with summary in English]. I. I. Babkin, A. V. Kiselev. Koll. zhur. 24 no. 6:648-650 N-D '62.

Isotherms and heats of adsorption of vapors of aromatic hydrocarbons on silica gel. A. V. Kiselev, B. A. Frolov. KIn. i kat. 3 no. 5:774-783 S-O '62.

SILICATES

Kinetics of oxide solution in molten silicates. P. M. Suragin, L. N. Barmin, O. A. Esin. Izv. vys. ucheb. zav.; chern. met. 5 no. 12:5-11 '62.

New method of obtaining hydrosilicates in a nonaqueous medium. A. P. Kreshkov, L. N. Chivikova, A. A. Zingorovskaya. Zhur. ob. khim. 32 no. 12:3864-3867 D '62.

Structural properties of heavy silicate concrete. V. N. Gusekov. Stroi. mat. 8 no. 12:3-5 D '62.

Structure of some silicate catalysts. L. G. Karakchiev, A. D. Makarov. KIn. i kat. 3 no. 5:747-750 S-O '62.

SILICATE BACTERIA see Bacteria, Silicate

SILICIC ACID

Reducing silicic acid content in the sulfate cooking of reed. K. A. Dolgov, Bum. i der. prom. no. 4:21-23 O-D '62.

SILICON

Adsorption of ions of certain metals from water during silicon washing. Part 4. V. S. Sotnikov, A. S. Belanovskii, F. B. Nikishova. Radiokhimiya 4 no. 6:725-731 '62.

SILICON—ANALYSIS

Decomposition of organic substances by metallic potassium. Report No. 4: New method for the simultaneous determination of silicon and phosphorus. V. P. Burlaka, M. N. Chumachenko. Izv. AN SSSR, Otd. khim. nauk no. 1:5-7 '63.

Methods of determining silicon in organosilicon compounds and their comparative evaluation. Determination of silicon in hydrolyzing organosilicon compounds. A. P. Kreshkov, L. V. Myshlaineva, V. V. Krasnoshechikov. Plast. massy no. 12:51-55 '62.

SILICON—ISOTOPES

Elastic proton scattering by Si^{30} nuclei. A. K. Valter, A. I. Popov, V. E. Storizhko. Zhur. eksp. i teor. fiz. 43 no. 5:2038-2041 D '62.

SILICON CARBIDE

Investigating properties of a construction material based on silicon carbide. A. A. Alent'ev, I. A. Gurovich, V. M. Greshova. Mashinostroenie no. 5:86-87 S-O '62.

SILICON CHLORIDES

Telomerization reaction of dimethylcyclotrisiloxanes. Report No. 4: Reactions involving silicon tetrachloride. K. A. Andrianov, V. V. Severnyi. Izv. AN SSSR, Otd. khim. nauk no. 1:82-86 '63.

SILICON CRYSTALS—DEFECTS

Effect of the nonparabolic character of bands on hole mobility in germanium and silicon. K. I. A. Shivel'man. Fiz. tver. tela 5 no. 1:350-352 Ja '63.

Effective mass of holes in silicon and germanium. K. I. A. Shivel'man. Fiz. tver. tela 5 no. 1:348-350 Ja '63.

SILICON HYDRIDES

Preparation of magnesium silicide and silicohydride. N. A. Iaroshchuk. Khim. v shkole 17 no. 6:68 N-D '62.

SILICON ORGANIC COMPOUNDS

Addition of silane fluorides to unsaturated compounds. M. F. Shostakovskii and others. Zhur. ob. khim. 32 no. 12:3862-3865 D '62.

Kreshkov, A. P., and others. [Practical handbook on the analysis of monomeric and polymeric organosilicon compounds] Prakticheskoe rukovodstvo po analizu monomernykh i polimernykh kremniiorganicheskikh soedinenii. Pod red. A. P. Kreshkova. Moskva, Goskhimizdat, 1962, 544 p.

Methods of determining silicon in organosilicon compounds and their comparative evaluation. Determination of silicon in hydrolyzing organosilicon compounds. A. P. Kreshkov, L. V. Myshlaineva, V. V. Krasnoshechikov. Plast. massy no. 12:51-55 '62.

Synthesis and transformations of unsaturated organosilicon compounds. Report No. 8: Synthesis and some transformations of organosilicon acetylenic mercaptans. N. V. Komarov, N. N. Vlasova. Izv. AN SSSR, Otd. khim. nauk no. 1:90-98 '63.

Synthesis of organosilicon compounds with a Si-C-N bond. V. B. Losev, M. F. Borisov. Zhur. ob. khim. 33 no. 1:268-269 '63.

Synthesis of symmetrical tetramethyldiphenyldisiloxane (4, 4')-dicarboxyl chloride. G. N. Mal'nova, E. F. Mikheev. Plast. massy no. 11:19 '62.

Use of a cation exchanger in the determination of fluorine by thorimetric titration in fluorosilicon compounds. V. A. Klimova, M. D. Vitalina. Izv. AN SSSR, Otd. khim. nauk no. 12:2246-2248 D '62.

SILICON ORGANIC COMPOUNDS—OPTICAL PROPERTIES

Exaltation of the molecular refraction of bis (trimethylsilyl)acetylene. E. P. Mikheev, N. P. Filimonova. Zhur. ob. khim. 33 no. 1:323-324 '63.

SILICON ORGANIC COMPOUNDS—SPECTRA

Synthesis and infrared spectra of some oxygen-containing tin- and silicon-organic compounds. D. A. Kochkin, I. U. N. Chirgadze. Zhur. ob. khim. 32 no. 12:4007-4012 D '62.

SILKWORKS—FEEDING AND FEEDS see subdivision under Azerbaijan

SILLIMANTE see subdivision under Drissa District

SILOXANES

Catalytic cleavage of dimethylcyclotrisiloxanes in the presence of dimethyldechlorosilane. K. A. Andrianov, V. V. Severnyi. Izv. AN SSSR, Otd. khim. nauk no. 12:2133-2138 D '62.

Hydrolytic stability of polyorganoborosiloxanes. K. A. Andrianov and others. Plast. massy no. 12:25-27 '62.

Molecular structure and physical properties of certain siloxanes. Part 4. Density of two-component solutions of liquid siloxanes [with summary in English]. A. Z. Holik, P. P. Cholpan. Ukr. fiz. zhur. 7 no. 5:549-553 My '62.

Molecular structure and physical properties of certain siloxanes. Part 5. Surface tension and molecular interaction of liquid siloxanes [with summary in English]. A. Z. Holik, P. P. Cholpan. Ukr. fiz. zhur. 7 no. 5:554-558 My '62.

Organic silicone elastomers containing diphenyl siloxane links in the basic chain. S. N. Borisov, A. V. Karlin. Kauch. i rez. 21 no. 12:3-5 D '62.

Synthesis and properties of α, ω -dihydroxydimethylsiloxanes. K. A. Andrianov, V. V. Astakhin, V. K. Pyzhov. Izv. AN SSSR, Otd. khim. nauk no. 12:2243-2245 D '62.

Telomerization reaction of dimethylcyclotrisiloxanes. Report No. 4: Reactions involving silicon tetrachloride. K. A. Andrianov, V. V. Severnyi. Izv. AN SSSR, Otd. khim. nauk no. 1:82-86 '63.

SILVER

Effect of ultraviolet rays on the colloidal solutions of silver and gold. E. M. Nanobashvili, M. Sh. Simonidze, I. G. Bakhtadze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:129-136 '62.

Infrared spectra of carbon monoxide adsorbed on gold and silver at low temperatures. N. N. Kavtaradze, M. P. Sokolova. Zhur. fiz. khim. 36 no. 12:2804-2805 D '62.

SILVER—ANALYSIS

Determination of silver by means of copper diethyl-dithiocarbamate [with summary in English]. S. E. Kreimer, A. S. Lomakhov, A. V. Stogova. Zhur. anal. khim. 17 no. 6:674-677 S '62.

SILVER—ISOTOPES

Radiochemical data on the solubility of silver chloride. V. E. Mironov. Radiokhimiya 4 no. 6:707-711 '62.

SILVER—METALLURGY

Effect of the burning-on temperature of silver on the strength of its attachment to a dielectric. V. S. Nikandrov. Izv. vys. ucheb. zav.; fiz. no. 6:25-28 '62.

SILVER CHLORIDE

Radiochemical data on the solubility of silver chloride. V. E. Mironov. Radiokhimiya 4 no. 6:707-711 '62.

SILVER CHLORIDE CRYSTALS—SPECTRA

Nature of electron trapping levels in silver chloride crystals. V. M. Belous, Opt. i spektr. 13 no. 6:852-854 '62.

SILVER FOX—DISEASES AND PESTS

Outbreak of leptospirosis infection among silver-black foxes. G. M. Medinskii, L. K. Lesament, A. F. Saifonov. Trudy Len. inst. epid. i mikrobiol. 20:166-170 '60.

SILVER IODIDE

Study of the ice-forming activity of silver iodide aerosol generated in the burning process of pyrotechnical compositions. M. I. Aksenov and others. Trudy Inst. geofiz. AN Gruz. SSR 20:187-207 '62.

SIMFEROPOL—COMMUNIST YOUTH LEAGUE

Don't wait until the economic council calls you. V. Selivanova. Komsom. zhizn' no. 23:17-18 D '62.

SIMILITUDE, THEORY OF see Dimensional analysis

SIMONOVSKII, V. V., 1880-1933

V. V. Simonovskii, bibliographer and regional expert. N. N. Simonovskaya-Romadina. Sov. bibl. no. 6:30-32 '62.

SINGERS, WHITE RUSSIAN

Her second vocation. H. Zaharodni. Rab. i stal. 38 no. 12:14-15 D '62.

SINGING

Dmitriyev, L. B. [Voice culture of singers; materials from X-ray studies] Golosobrazovanie u pevtsov; materialy rentgenologicheskikh issledovaniy. Moskva, Muzgiz, 1962, 54 p.

SINGING—INSTRUCTION AND STUDY

Some problems of the combination of vocal technique and musical work with students. N. E. Ustinov. Nauch.-metod. zap. Sar. gos. konser. no. 4:117-133 '61.

SINGING—INSTRUCTION AND STUDY—BIBLIOGRAPHY see Bibliography—Singing—Instruction and study

SINKIANG-UIGUR AUTONOMOUS REGION—LOCUSTS

Calliptamus turanicus Tarb. in the north of Sinkiang Province. E. P. Tsyplov. Zashch. rast. ot vred. i bol. 2 no. 6:58 N-D '57.

SINKIANG-UIGUR AUTONOMOUS REGION—PAMIR LANGUAGES—DIALECTS

Pakhalina, T. N. [The Sarykol' dialect and its relationship to other dialects of the Shugnan-Rushan language group] Sarykol'skii dialekt i ego otnosheniye k drugim dialektam shugnano-rushanskoiazykovoi gruppy. Moskva, Izd-vo vostochnoi lit-ry, 1960, 17 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)

SINTERING

(see also subdivision under United States)

Improving working conditions in sintering plants. V. A. Serebrnikov, M. G. Chernakov. Metallurg 6 no. 1:11 Ja '63.

Investigating the sintering process. N. V. Fedorovskii. Met. i gornorud. prom. no. 5:61-67 S-O '62.

Performance of an electromagnetic vibrating screen for hot sinter. D. P. Pritykin. Metallurg 6 no. 1:6-9 Ja '63.

Phase constitution of sinter obtained from a mixture of perovskite and titanium-magnetite concentrates. A. V. Rudneva. Titan i ego splavy no. 8:55-61 '62.

Production of fluxed sinter using a high basicity sinter as flux. V. I. A. Miller and others. Stal' 22 no. 12:1057-1060 D '62.

Studying processes occurring during the sintering of perovskite-titanium-magnetite concentrates. V. A. Roznichenko, O. D. Stodorenko. Titan i ego splavy no. 8:62-71 '62.

Ways of improving the granular composition of sinter. S. V. Bazilevich, B. L. Lazarev. Stal' 22 no. 12:1061-1065 D '62.

SITOSTEROL

β -Sitosterol from peat wax. P. I. Bel'kevich and others. Izv. AN SSSR, Otd. khim. nauk no. 1:112-115 '63.

Oxidation of isomeric β -sitosterol 5, 6-dibromides. E. V. Ksenofontova, M. V. Vasil'eva, A. M. Khiletskiy. Zhur. ob. khim. 32 no. 12:4013-4015 D '62.

SKALOZUBOVA, ANNA NIKOLAEVNA, 1902- Anniversary of a talented plant breeder. M. M. Iakub-tsiner. Agrobiologiya no. 8:925-927 N-D '62.

SKATING

Change in the speed, length and frequency of stops in running the distances of combined events by leading world skaters. G. K. Podar'. Teor. i prak. fiz. kult. 25 no. 11:31-35 N '62.

Solux sportivnykh obshchestv i organizatsii RSFSR. [Figure skating; visual aid] Figurenoe katanie na kon'kakh; nagludnoe uchebnoe posobie. Moskva, Izd-vo Sovetskaya Rossiya, 1962, 141 p.

Sport for the whole family. Samson Gltazer, Sam'la i shkola 18 no. 1:47 Ja '63.

SKHODNYA—FURNITURE INDUSTRY

New styles are sprouting vigorously. I. U. Prozorov. Mebl. prom. i khud. promysl. 3 no. 11:36 N '62.

SKIDEL' DISTRICT—SUGAR BEETS

The most important secret. I. U. Niklaev. Rab. i stal. 38 no. 5:9 My '62.

SKIN

Electron microscopic investigation of normal and pathological skin of man. Report No. 1: Epidermal cell, Bizzozero's nodes, nucleus, nuclear membranes. A. I. A. Prkapchuk, A. I. Uchanka. Vestsi AN BSSR, Ser. biol. nav. no. 3:84-82 '62.

SKIN—CARE AND HYGIENE

Hands of a milkmaid. I. M. Grigorovskii. Sov. Kras. krest 12 no. 4:26 Ji-Ag '62.

What men should know about the care of facial skin. I. I. Kal'chenka. Rab. i stal. 38 no. 12:21 D '62.

SKIN—DISEASES

Kisilev, O. A. [Fungus skin diseases] Gribkovye bolezni kozhi. Izd. 2. Moskva, Medgiz, 1962, 27 p. (Nauchno-populnarnaya meditsinskaya literatura) (ONLM MICROFILM)

Study of the copper trace element content in X-ray dermatitis. A. T. Sosnovskii, Z. I. Orlova. Zdrav. Bel. 8 no. 12:46-47 D '62.

SKIN DIVING see Diving, Submarine

SKIN GRAFTING

Transportation of skin from the hairy portion of the scalp for restoration of the eyebrows in leprosy patients. A.S. Idrisov. *Zdrav. Kazakh.* 22 no. 7:14-15 '62.

SKIS AND SKING

Chernov, K. L. [Training young skiers; a manual for teachers of physical education and trainers of skiing] Podgotovka lunnykh lyzhnikov; posobie dlia prepodavatelei fizicheskogo vospitaniia i trenerov po lyzhnomu sportu. Moskva, Fizkultura i sport, 1962. 93 p.

Interrelationship between ski jumping and racing exercises during the training of young skiers in both sports. A. A. Krestovnikov. *Teor. i prak. fiz. kult.* 25 no. 11: 62-66 N '62.

Long-range planning of sport training for racing skiers. V. D. Baranov. *Teor. i prak. fiz. kult.* 25 no. 11: 21-26 N '62.

Planning the training load for a racing skier. V. D. Shaposhnikov. *Teor. i prak. fiz. kult.* 25 no. 11: 57-60 N '62.

Use of visual aids in learning the technique of skiing. V. A. Voronov, B. N. Medvedev. *Teor. i prak. fiz. kult.* 25 no. 11: 60-61 N '62.

SKOBEL'TSYN, DMITRII VLADIMIROVICH, 1892-

Dmitrii Vladimirovich Skobel'tsyn; on his 70th birthday. *Usp. fiz. nauk* 78 no. 3: 539-544 N '62.

SKORZENY, OTTO

"Tracking the man with the scar" [in German] by Julius Mader. Reviewed by A. Giller. *Nov. vrem.* 20 no. 7: 34-35 F '63.

SKOVORODA, GRIGORI SAVVICH, 1722-1794

G. S. Skovoroda, national educator. I. V. Pukha. *Nad. shk.* 41 no. 12: 6-9 D '62.

SKRYPNIK, NIKOLAI ALEKSEEVICH, 1872-1933

New documentary data on N. A. Skrypnik. M. B. Perollman. *Ist. arkh.* 8 no. 5: 210-214 S-O '62.

SKULL—ABNORMALITIES AND DEFORMITIES

Reorganization and functional adaptation of the cranial bones as a sequel of meningoencephalitis in childhood. V. M. Mikhailin. *Zdravookhranenie* 5 no. 3: 41-44 My-Je '62.

SLAG

Flow-sheets for the complete retreatment of slags from plants of nonferrous metallurgy. V. I. Smirnov and others. *TSvet. met.* 35 no. 9: 50-56 S '62.

Using converter slags in construction. B. N. Odintsov, A. O. Stepanenko. *Stroitel. mat.* 8 no. 12: 17-18 D '62.

SLAG—ANALYSIS

Pilot plant investigation of the blowing of titanium-niobium cast iron. V. A. Reznichenko and others. *Titan i ego splavy* no. 8: 72-85 '62.

SLAG—ELECTRIC PROPERTIES

Studying the electroconductivity of titanium slags. V. S. Bolikhin, V. A. Reznichenko. *Titan i ego splavy* no. 8: 41-48 '62.

SLAG—SULFUR CONTENT

Kinetics of the burning out of sulfur in slags during the passage of a direct electric current. A. A. Dobryden', O. A. Esin, S. K. Chuchmarov. *Izv. vyz. ucheb. zav. ; Chern. met.* 5 no. 12: 12-19 '62.

SLAG CEMENT

Cement from a blast furnace. K. Lakov. *Znan. ta pratsia* no. 12: 21 D '62.

With a base of waste slag. L. Makarov. *Mest. prom. i khud. promysl.* 2 no. 11: 25 N '62.

SLATE ROOFING see Roofing, Slate

SLAVIC LANGUAGES

Kravchuk, R. V. [History of Slavic linguistics; the outstanding Slavists] Z istorii slov'ians'koho movoznavstva; vydatni slavisty-movoznavtsi. Kyiv, Radnashka shkola, 1961. 139 p. (CAOTU) (MH)

SLAVIC PHILOLOGY—CONGRESSES

International congress of Slavists, 4th, Moscow, 1959. [Discussions at the Fourth International Congress of Slavists] Materialy diskussii. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 2. [Problems of Slavic linguistics] Problemy slavianskogo iazykoznanija, 1962. (DDO)

SLAVIC STUDIES—CONGRESSES

International conferences of slavists. N. I. Tolstai and others. *Vest. AN SSSR* 33 no. 1: 94-96 Ja '63.

SLAVS see Subdivision under Austria

SLAVYANSK REGION—AGRICULTURAL ADMINISTRATION

A look at tomorrow. A. Koloskov. *Part. zhizn'* no. 1: 47-50 Ja '63.

SLEEP THERAPY

Therapeutic sleep. P. Bul'. *Znan. -slja* 37 no. 11: 28-30 N '62.

SLEIGHS AND SLEDGES

Tractor sledges for farm manure hauling. A. Odintsov, P. Zolotarev. *Tekh. v sel'khoz.* 22 no. 11: 15-18 N '62.

SLEPOV, PETR LEONDOVICH, 1902-

P. L. Slepov; on his 60th birthday and the 35th anniversary of his pedagogic and public activities. *Apt. delo* 12 no. 3: 93-94 My-Je '62.

SLIDE RULE

Obraz, K. I., and B. S. Eppel'. [The slide rule in secondary school; a textbook for teachers] Logarifmicheskaya linelka v srednei shkole; posobie dlia uchitelei. Moskva, Uchpedgiz, 1962. 126 p.

SLOW LEARNING CHILDREN

Grade supervisors' work with slow learning children. I. A. Balashov. *Nar. osv.* no. 11: 51-55 N '62.

SLUICES—TESTING

Concentration of middlings and fine ores and sands in a spiral sluice. V. D. Ivanov. *Gor. zhur.* no. 5: 60-62 My '62.

SMELA DISTRICT—SUGAR BEETS—DISEASES AND PESTS

Practices in effective control of the sugar beet weevil. T. G. Grigor'eva and others. *Zashch. rast. ot vred. i bol.* 4 no. 5: 23-25 S-O '62.

SMELA DISTRICT—WEEVILS—EXTERMINATION

Practices in effective control of the sugar beet weevil. T. G. Grigor'eva and others. *Zashch. rast. ot vred. i bol.* 4 no. 5: 23-25 S-O '62.

SMELTING FURNACES—MAINTENANCE AND REPAIR

Stroganov, A. I., A. K. Petrov and B. F. Zverev. [Economy of magnesite in steel smelting] Ekonomika magnizita v staloplavil'nom proizvodstve. [Cholabinsk] Cholabinskoe knizhnoe izd-vo, 1962. 41 p.

SMIRNOV, VASILII ZAKHAROVICH, 1899-1962

Vasilii Zakharovich Smirnov; obituary. *Sov. pedagog.* 26 no. 12: 151-152 D '62.

SMIRNOV, VLADIMIR IVANOVICH, 1887-

Vladimir Ivanovich Smirnov; on his 75th birthday. M. I. Radovskii, V. A. Pok. *Usp. mat. nauk* 17 no. 6: 185-190 N-D '62.

SMOLENSK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Bogdanov, P. E. [Party work is a creative activity] Partinaya rabota - delo tvorcheskoe. Moskva, Sovetskaya Rossiia, 1962. 108 p. (Reshenia XXII s'ezda KPSS - v zhizn' i)

SMOLENSK—COMMUNITY AND SCHOOL

A national and party matter. P. Bogdanov. *Sem'ia i shkola* 17 no. 12: 1-3 D '62.

SMOLENSK—HOME AND SCHOOL

Meetings in Smolensk. I. Rives. *Sem'ia i shkola* 17 no. 12: 15-16 D '62.

SMOLENSK—TEXTILE INDUSTRY—HYGIENIC ASPECTS

Khovayev, N. P. [Comprehensive plan for improving work conditions] Kompleksnyi plan uluchsheniia uslovii truda. [Moskva] Profizdat, 1962. 62 p.

SMOLENSK PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Organizers of ideological education. S. Elizarenko. *Part. zhizn'* no. 4: 50-54 F '63.

SMOLENSK PROVINCE—BOOKSELLERS AND BOOK-SELLING

Public participation in the promotion of books. M. Fogel', F. Shukhmakher. *Sov. knizh. tovg.* 14 no. 1: 23-24 Ja '63.

SMOLENSK PROVINCE—INDUSTRIAL MANAGEMENT

Learning on primary party organizations. I. Slobodanik. *Part. zhizn'* no. 2: 28-30 Ja '63.

SMOLINO LAKE REGION—PALYNOLOGY

Pollen and spores from lignite clays in the Lake Smolino region. [with summary in English]. L. A. Kuprianova. *Trudy Inst. biol. UFAN SSSR*, no. 28: 61-109 '62.

SMUTS

(see also subdivision under Irkutsk Province; Pruzhany District)

Chemical control of the loose smut of wheat and barley. I. M. Poliakov. *Zashch. rast. ot vred. i bol.* 5 no. 3: 15-18 Mr '60.

The corn smut *Ustilago zeae* and chemical weed control in corn. H. A. Leont'eva. *Zashch. rast. ot vred. i bol.* 5 no. 6: 24-25 Je '60.

Effect of the methods of seed growing on the susceptibility of plants to smuts. I. A. Balkov. *Zashch. rast. ot vred. i bol.* 5 no. 3: 21-22 Mr '60.

Effectiveness of the biological preparation (trichodermin-3). N. S. Fedorinichik. *Zashch. rast. ot vred. i bol.* 4 no. 5: 32-33 S-O '59.

New method for drying grain in controlling loose smuts. I. M. Poliakov, I. L. Lyubshits, N. K. Klaptsova. *Zashch. rast. ot vred. i bol.* 5 no. 6: 15-18 Je '60.

Studying physiologically active substances secreted by the causative agents of common corn smut. A. D. Volodarskii. *Sbor. stud. nauch. -issl. rab. TSKHA* no. 11: 157-165 '62.

TMTD against common corn smut. A. P. Afonina, M. S. Verba. *Zashch. rast. ot vred. i bol.* 5 no. 10: 33 O '60.

Using microelements in controlling the corn smut *Ustilago zeae*. E. E. Geshel', O. I. Val'ter. *Vest. sel'khoz. nauki* 7 no. 10: 40-42 O '62.

SNOW see subdivision under Krasnodar Territory; Kursk Magnetic Anomaly

SNOW REMOVAL see subdivision under Moscow

SNOWPLOWS

The D-307A snow plow. N. V. Besfamil'nyi. *Stroitel. mash.* 7 no. 11: 22-24 N '62.

New snow-removal machinery attached to tractors. V. N. Denisov, O. I. Orekhov. *Gor. khoz. Mosk.* 35 no. 1: 37-39 Ja '62.

SOAKING PITS see Furnaces, Heating

SOAP INDUSTRY—EQUIPMENT AND SUPPLIES

Machine for soap marking and cutting. O. I. Pronin. *Mash. -zhir. prom.* 28 no. 12: 29-31 D '62.

SOAPBERRY see subdivision under Ukraine

SOBELL, MORTON

Letters to the editor. *Zhen. mira* no. 4: 5 '62.

SOBOLEV, IURII ALEKSANDROVICH

For children's happiness. L. P. Gornostayeva. *Doshk. vosp.* 35 no. 9: 108-110 S '62.

SOBOLEV, LEONID SERGEEVICH, 1898-

Reading "Capital repairs." Arkadii Pervitshev. *V mlade knig* 3 no. 1: 28-29 Ja '63.

SOCCER see subdivision under Sverdlovsk Province

SOCIAL CONFLICT

Vishninkov, A. S. [Marxist-Leninist theory of classes and the class struggle] Marksistsko-leninskoe uchenie o klassakh i klassovoi bor'be. Moskva, Vysshaya shkola, 1962. 71 p.

SOCIAL GROUP WORK see subdivision under Sorokl District; Toguchin District

SOCIAL HYGIENE see Public health

SOCIAL INSURANCE see Insurance, Social

SOCIAL PROBLEMS

(see also subdivision under Novaya Ladoga)

How to implement the law on the seizure of buildings acquired with unearned income. N. Gornostayeva, S. Mironov. *Sov. iust.* no. 24: 5-7 D '62.

Man, citizen, and society. *Kommunist* 39 no. 3: 3-11 F '63.

We should amend the laws on the punishment of loafers. S. Adushkin. *Sov. iust.* no. 21: 12-13 N '62.

SOCIAL PSYCHOLOGY

Zhuravlev, V. V. [Social and individual consciousness] Obshchestvennoe i individual'noe soznanie. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauka, tekhnika. II Seriya: Filosofiya, no. 1)

SOCIAL SCIENCE RESEARCH

The building of communism and the objectives of social sciences. M. P. Gapietka, O. M. Karpenko, E. I. Kufin. *Vop. filos.* 17 no. 1: 128-138 '63.

Decision of the general session of the Academy of Sciences of the U.S.S.R. devoted to the development of social sciences during the large-scale building of communism. *Vop. filos.* 17 no. 1: 139-142 '63.

Scientific principles of guiding the development of human societies. L. Il'ichev. *Komm. Mold.* 7 no. 12: 3-29 D '62.

SOCIAL SCIENCES

Bel'chikov, Yu. A. [V. G. Bolinskii's vocabulary of socio-political terms] Obshchestvenno-politicheskaia leksika V. G. Bolinskogo. [Moskva] Izd-vo Mosk. univ., 1962. 131 p.

Shakhnazarov, G. Kh., and others. [Social science] Obshchestvovedenie; uchebnik dlia vypusknogo klassa srednei shkoly i srednikh spetsial'nykh uchebnykh zuvedenii. Moskva, Gospolitizdat, 1963. 382 p.

SOCIAL SCIENCES—BIBLIOGRAPHY see Bibliography—Social sciences

SOCIAL SCIENCES—STUDY AND TEACHING

Creative interpretation of problems in the development of communism. F. E. Borisov, G. V. Donskoi, V. N. Semenov. *Sred. spets. obr.* 10 no. 1: 24-28 Ja '63.

Current admission of postgraduate students to the Academy of Social Sciences attached to the Central Committee of the CPSU. *Kommunist* 39 no. 3: 128 F '63.

SOCIAL SCIENCES — STUDY AND TEACHING (Continued)

Social science in secondary schools. A. Kinkul'kin. Nar. osv. no. 12:15-23 D '62.
Social science in secondary specialized schools. Sred. spets. obr. 10 no. 1:1-6 Ja '63.

SOCIALIST COMPETITION

(see also subdivision under Brno; Bulgaria; Kharkov; Moscow; Samarkand; Teliyev District)
The communist labor movement is expanding. Den, i kred. 20 no. 11:41-48 N '62.

The communist labor movement is expanding. N. Karashev, A. Mochalova. Den, i kred. 20 no. 12:51-56 D '62.

Grbluk, V. D. [Relay race of communism; notes on the first team of communist labor] Estafeta kommunizma; zamolki o pervykh kollektivakh kommunistskogo truda. [Moskva] Molodaya gvardiya, 1959. 46 p.

Industrial installation construction workers are in competition. N. Surovtsev. Stroitel' 8 no. 11:21-23 N '62.

Make better use of machinery and equipment. A. V. Iurilin. Stroitel'stvo, 7 no. 12:10 D '62.

Obshchestvo po rasprostraneniya politicheskikh i nauchnykh znanii RSFSR, Leningradskoe otdeleniye. [For communist labor] Za kommunistskii trud, Leningrad, 1962. 371 p.

Results of socialist competition among construction projects and enterprises of Resglavtselinstroi. Sel'stroi. no. 12:17 D '62.

Summarizing the practice in the competition for communist labor. P. Ekhn. Biol. nauch. inform.: trud izar. plata 5 no. 4:8-13 '62.

Teachers' movement for communist work. V. A. Shurygin. Sov. pedagog. 26 no. 12:19-23 D '62.

The title has been awarded, what is next? F. Medvedev. Sov. profsoyuz 10 no. 1:7-9 Ja '63.

Vsesoyuznoye soveshchaniye predstavnikov srobovnykh brigad i udarnikov kommunistskogo truda, Moskva, 1960. [Toward the victory of communist labor] K pobede kommunistskogo truda. Moskva, TsK VLSM-VTSFS, 1960. 317 p. (NNC)

A year of work under the banner of communist labor. A. F. Svarinskii. Khleb, i kond. prom. 6 no. 12:1-3 D '62.

SOCIALIST PARTY see subdivision under Latvia

SOCIALIST PROPERTY

Developing and merging the two forms of socialist property. V. M. Obukhovskii. Dokl. TSKHA no. 50: 43-53 '59.

Improving socialist production relations in the village. A. S. Ivanov, O. V. Skripkina. Dokl. TSKHA no. 50: 23-34 '59.

Several problems of improving socialist production relations. A. S. Ivanov. Dokl. TSKHA no. 50:35-42 '59.

The 21st Congress of the CPSU on ways to develop and merge the two types of socialist property, collective farms and public. M. V. Camulimov. Dokl. TSKHA no. 50:5-22 '59.

SOCIALIST REALISM

Akademiya nauk SSSR. Institut mirovoy literatury. [Realism and its relation to other creative methods] Realizm i ego sootnosheniya s drugimi tvorcheskimi metodami. Moskva, Izd-vo Akad. nauk SSSR, 1962. 364 p.

Socialist realism. V. Ivanov. Znamya 33 no. 1:187-201 Ja '63.

SOCIOLOGY

Davidovich, V. E. [Society and the individual] Obshchestvo i lichnost'. Moskva, Gos. Izd-vo "Vysshaya shkola," 1962. 50 p. (Materialy k lektsiiam po filosofii)

SOCIOLOGY—CONGRESSES

Fifth International Sociological Congress. M. T. Iovchuk, G. V. Osipov. Vest. AN SSSR 33 no. 1:73-78 Ja '63.

In quest of sociological theory. Kommunist 39 no. 2: 95-103 Ja '63.

Sociology World Congress; a report. E. Vagramov. Polit. samopob. 6 no. 11:135-144 N '62.

SODIUM

Electrolyte for the preparation of metallic sodium. S. V. Vasil'ev, A. D. Cherkashin. Khim. v shkole 17 no. 6: 65-66 N-D '62.

Reaction kinetics of sodium with the single-phase systems benzene - water - butyric (or lauric) acid [with summary in English]. L. G. Gindin, T. A. Misknova, I. N. Putilova. Zhur. fiz. khim. 36 no. 12:2599-2592 D '62.

SODIUM—ANALYSES

Determination of metallic sodium in the presence of bivalent titanium chloride [with summary in English]. V. A. Zinchenko, N. M. Gertsseva. Zhur. anal. khim. 17 no. 6:670-673 S '62.

SODIUM AMIDE

Derivatives of benzimidazole. Part 12: Action of sodium amide on N-alkylbenzimidazoles substituted in the position 5. A. N. Lomakin, A. M. Simonov, V. A. Chigrina. Zhur. ob. khim. 33 no. 1:204-207 '63.

SODIUM BROMIDE

Influence of experimental neurosis on thyroid function and the effect of therapy of the neurosis using sodium bromide [with summary in English]. V. M. Gordienko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 16:37-41 '61.

SODIUM CARBONATES

Kinetics of interaction between sodium bicarbonate and sulfur dioxide. V. S. Epifanov, T. I. Kuntin. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:770-774 '62.

SODIUM FLUORIDE

Chemism of the process and composition of solid phases formed by the interaction of aluminum and sodium fluorides. M. N. Smirnov. TSvet. met. 35 no. 9:61-67 S '62.

SODIUM IN THE BODY

Character of the changes in potassium and sodium excretion in the urine of patients during radiotherapy. A. S. Smagulov. Zdrav. Kazakh. 22 no. 7:17-21 '62.

SODIUM IODIDE CRYSTALS—SPECTRA

Absorption spectra of NaI crystals as dependent on the thallium concentration at various temperatures. O. B. Lyukovich, V. I. Vaidanyeh, N. K. Guseva. Ukr. fiz. zhur. 7 no. 10:1120-1131 O '62.

SODIUM METAPHOSPHATE

Determination of sodium metaphosphate in metaphosphoric acid. R. E. Osherovich. Zav. lab. 28 no. 12: 1436 '62.

SODIUM MOLYBDATES

Electrocapillary mercury curves in solutions of Na₂MoO₄ and disodium salts of ethylenediaminetetraacetic acid. B. S. Frister. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:259-264 '62.

SODIUM OLEATE

Structure of the protective adsorption films of synthetic latexes stabilized by sodium oleate [with summary in English]. E. M. Aleksandrova, L. A. Shits. Koll. zhur. 24 no. 6:641-642 N-D '62.
Studying the modifying action of sodium oleate on the hydration degree of anatase titanium dioxide. A. I. Shutova, E. M. Aleksandrova. Lakokr. mat. i ikh prim. no. 5:37-39 '62.

SODIUM PERMANGANATE

Electrochemical preparation of sodium permanganate. G. M. Domanskaya. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:27-37 '62.

SODIUM PYROSULFITES

Chemical preservation of forage corn with a high moisture content. M. Taranov, B. Fadeev, M. Prokhorov. Muk. -olev. prom. 28 no. 10:7-8 O '62.

SODIUM SULFATES—PHYSIOLOGICAL EFFECT

Ammonia content of the milk of cows fed urea and sodium sulfate. P. Z. Laboduk. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. ratoniv. URSR 14 no. 4:33-36 '61.
Effect of feeding sodium sulfate on the processes of fermentation in the rumen of cows and the increase of the fat content of milk. F. U. Palfil. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. ratoniv. URSR 14 no. 4:37-43 '61.

Effect of feeding sodium sulfate on the productivity of sheep and the physicochemical characteristics of wool. I. A. Makar. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. ratoniv. URSR 14 no. 4:48-55 '61.

Effect of feeding urea on the formation of fermentation acids and some indices of fat metabolism in cows. V. I. Skorokhid. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. ratoniv. URSR 14 no. 4:18-22 '61.

Effect of sodium sulfate on sulfur metabolism in cows fed urea. I. I. Rozhnov. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. ratoniv. URSR 14 no. 4:23-27 '61.

Effect of sodium sulfate on the quality of corn silage and the productivity of cows fed with it. F. U. Palfil. IA, IA, Nakonechno, A. I. Vasylenko. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. ratoniv. URSR 14 no. 4:44-47 '61.

SODIUM THIOCYANATE

Sorption of uranium by activated charcoals from sodium thiocyanate solutions. I. A. Kuzin, V. P. Taushtanov, V. S. Alekhechkin. Radiokhimiya 4 no. 6:725-731 '62.

SOFT DRINKS

Determining sugar content in the manufacture of soft drinks. M. I. Sholkhet, M. F. Meluzko. Kharc. prom. no. 4:74-75 O-D '62.

SOGDIAN LANGUAGE—GRAMMAR

Bogolubov, M. N. [Sogdian documents from Mug Mountains; language information] Sogdianskie dokumenty s gory Mug; Iazykovyye dannyye. Moskva, Izd-vo vostochnoi lit-ry, 1960. 7 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)

SOIL, PODZOLIC see Podzol

SOIL ADSORPTION

(see also subdivision under Chu Valley)

Comparing methods for determining the absorption capacity of soils. G. P. Klemeshev. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:301-304 '62.

Rapid determination of the absorption capacity of carbonate-rich soils. IA, P. Dubovik, A. D. Trenina. Izv. Kir. fil. Vses. ob-va pochn. no. 1:117-118 '62.

SOIL BIOLOGY

Activity of urease in soils. T. S. Vasilenko. Pochvovedenie no. 11:61-67 N '62.

SOIL CHEMISTRY

(see also subdivision under Karelia; Moscow Province)

Composition of water-soluble substances of some plants and their effect on the properties of Chernozem soils. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:299-300 '62.

SOIL CHEMISTRY—RESEARCH

Work of the Agrochemistry Section at the House of Scientists; on the 40th anniversary of the House of Scientists, Academy of Sciences of the U.S.S.R. E. I. Shkonde. Pochvovedenie no. 9:113-116 S '62.

SOIL CONSERVATION

(see also subdivision under Ukraine; Virgin Territory)

Recommendations in controlling soil erosion. Les. khoz. 15 no. 11:94-95 N '62.

Strong shields against soil erosion. Zemledelie 24 no. 12:30-36 D '62.

SOIL CONSERVATION—CONGRESSES

Decisions of the Plenary Session of the Permanent Interdepartmental Scientific Methodological Commission on Soil Erosion Control at the V. V. Dokuchaev Soil Institute of the Ministry of Agriculture of the U.S.S.R., held March 27-29, 1962 in Moscow. Pochvovedenie no. 8:100-116 Ag '62.

SOIL DISINFECTION

Fall soil disinfection against potato wart. Kh. V. Sozonik. Zashch. rast. ot vred. i bol. 4 no. 5:46 S-O '59.
Soil disinfection against the stem nematode. Z. I. Petraya. Zashch. rast. ot vred. i bol. 4 no. 5:25 S-O '59.

SOIL FAUNA

Dynamics of the number of invertebrates in soil-manure composites. N. M. Chernova. Agrobiologiya no. 6:870-881 N-D '62.

SOIL FAUNA—CONGRESSES

Symposium on soil fauna in Kiev. M. S. Gilarov. Pochvovedenie no. 9:116 S '62.

SOIL FERTILITY

(see also subdivision under Kazakhstan)
Aydonin, N. S. [Improving soil fertility of the non-Chernozem zone] Povysheniye plodorodiya pochv nechernozemnoi polosy. [Moskva] Izd-vo Mosk. univ., 1961-

(DNAL)

Baratashvili, I. G. [Soil and its fertility] Pochva i ee plodorodie. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1956. 42 p. [In Georgian] (DNAL)

SOIL FORMATION

(see also subdivision under Gogamskiy Range; Kuban Valley; Maritime Territory; Ural Valley)

Deflation phases and the age of soils on the aeolian sands in the steppe zone of the U.S.S.R. A. G. Gacil, A. A. Trushkovskii. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:24-31 N-D '62.

"Genesis of soils as a geological phenomenon; outline of a geochemical theory: biological equilibrium and disturbance of equilibrium" [in French] by H. Erhart. Reviewed by V. D. Vop. geog. no. 59:186-187 '62.
On the genetic transition class of soils and certain dark-colored types it contains. T. L. Bystritskaya, A. N. Turfukanov. Dokl. AN SSSR 147 no. 4:935-937 D '62.

SOIL INOCULATION

Discussion on silicate bacteria. M. S. Dumit. Zashch. rast. ot vred. i bol. 4 no. 5:28-32 S-O '59.

Effect of bacterial fertilizers on the yield of medicinal poppy in Kirghizistan. E. G. Vukhrer. Izv. Kir. fil. Vses. ob-va pochn. no. 1:33-38 '62.

Using phosphobacterin in sowing corn. IU. K. Kudzin. Zemledelie 24 no. 11:63-65 N '62.

SOIL MECHANICS

The bearing capacity of sand foundations of deep cylindrical footings. E. A. Tlulenev, V. A. Iaroshenko, N. N. Sidorov. Transp. stroit. 12 no. 12:40-43 D '62.

Calculating the settlement of foundations according to data obtained by testing soil with stamps and wetting. V. I. Krutov. Osn., fund. i mekh. grun. 4 no. 6:15-17 '62.

The compressible stratum of soil foundations of hydraulic structures according to data obtained by actual observations of settling. I. K. Samarin. Osn., fund. i mekh. grun. 4 no. 6:7-10 '62.

Experimental construction on settling ground. Stroitel' arkhitekt. 10 no. 1:21-23 Ja '62.

Experimental study of stresses in a heterogeneous loose medium. M. P. Voishtianskii. Osn., fund. i mekh. grun. 4 no. 6:11-13 '62.

SOIL MECHANICS (Continued)

- General solution of problems of soil statics on round-cylindrical sliding surfaces. U. A. Ter-Arakelian. *Gidr. stroi.* 33 no. 12:28-36 D '62.
- Method of making calculations for landslide slopes according to limiting states. L. P. Petrova-Ishkunas. *Transp. stroi.* 12 no. 12:34-37 D '62.
- Some features of studies of crumbling rock foundations. V. A. Florin. *Osn., fund. i mekh. grun.* 4 no. 6:6-7 '62.
- Standards for the design of foundations and footings of buildings and structures on settling soil. *Buil. stroi. tekhn.* 18 no. 12:25-28 D '62.
- Theory of soil cutting and specific resistance to excavation. V. I. Balovnev. *Izv. vys. ucheb. zav. mashinost.* no. 7:172-183 '62.

SOIL MECHANICS—BIBLIOGRAPHY see Bibliography—Soil mechanics

SOIL MICRO-ORGANISMS

(see also subdivision under Kirghizistan; Kondopoga District)

- Microbiological processes in turf-Podzolic soils under various forest species. E. N. Artemenko. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11:305-310 '62.

SOIL MOISTURE

(see also subdivision under Kazakhstan; Pamirs; Tomsk region)

- Air permeability of turf-Podzolic soils in various farm lands under different moisture conditions [with summary in English]. I. N. Nikolaeva. *Pochvovedenie* no. 8:92-99 Ag '62.

Characteristics of moisture consumption by birch and elm plantations on dark-chestnut soils in the Ural Mountain region [with summary in English]. I. T. Stepanets. *Pochvovedenie* no. 9:69-79 S '62.

Comparative studies of new methods for rapid determination of soil moisture. A. I. Paraniushkin. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11:93-99 '62.

Moisture regime of drained, heavy, turf-gley soils with various land-improvement measures. *Trudy Gruz NIIGIM* no. 21:241-246 '60.

"Movement of film and vaporous water in soil under the effect of evaporation and transpiration" by M. Hallaire. Reviewed by N. I. Afanasiev. *Pochvovedenie* no. 9:107-112 S '62.

Soil moisture meter (tensiometer) and its use in the study of soil water balance [with summary in English]. K. N. Shishkov. *Pochvovedenie* no. 8:100-105 Ag '62.

SOIL PERCOLATION

Calculation of water permeability of soils based on vacuum capillaryometric determinations [with summary in English]. V. D. Berdyashev. *Pochvovedenie* no. 11:97-100 N '62.

Factors in the impermeability of soils. G. V. Abellshvili. *Trudy Gruz NIIGIM* no. 21:113-120 '60.

Interaction of gravitational and electroosmotic water flow in a porous medium. S. A. Udovinn. *Trudy Len. gidromet. inst.* no. 11:220-234 '61.

Method for determining soil permeability and storm runoff [with summary in English]. G. P. Surmach. *Pochvovedenie* no. 11:93-97 N '62.

Percolation from a strip in the presence of retained salt water. V. N. Emikh. *PMTF* no. 2:145-149 Mr-Apr '62.

Percolation of a two-phase liquid with mass forces in an inhomogeneous porous medium. Chen' Chzhun-sian [Ch'en Chung-hsiang]. *PMTF* no. 2:131-135 Mr-Apr '62.

Rigorous solution to the problem of the potential of a point runoff in a uniformly anisotropic stratum with axial symmetry and a finite radius of the feeding contour. I. U. I. Sikitin. *PMTF* no. 2:136-139 Mr-Apr '62.

SOIL PHYSICS

Allowing for moisture content in equations of soil dynamics. S. S. Grigorian. *PMTF* no. 2:128-130 Mr-Apr '62.

SOIL SCIENCE

Garkusha, I. F. [Soil science] *Pochvovedenie*. Leningrad, *Se'pkhozizdat*, 1962. 447 p.

Objectives of Soviet soil science in the light of the new program and resolutions passed by the 22d Congress of the CPSU. I. P. Gerasimov. *Pochvovedenie* no. 11:1-16 N '62.

SOIL SCIENCE—STUDY AND TEACHING

Soil problems in school geography [with summary in English]. F. I. Pugach. *Pochvovedenie* no. 9:102-106 S '62.

SOIL STABILIZATION

Results of studies made by the State All-Union Road Research Institute on soil compaction. N. I. A. Kharkhuta. *Stroi. i dor. mash.* 7 no. 12:19-22 D '62.

Types of sub-surface vibration compaction machines for incohesive soil for 1960-1965. *Stroi. i dor. mash.* 7 no. 11:32 N '62.

SOIL TEMPERATURE

Numerical method for calculating the thermal economy of soil in multiphase media with mobile phase boundaries. V. G. Molamed, V. A. Kudriavtsev. *Merzi. issl.* no. 1:32-38 '61.

SOILS

(see also subdivision under Alay Range region; Ataki District; Boro-Gol Valley; Frunze region; Gegamsky Range; Golodnaya Steppe; Kemin Valley; Kirghizistan; Krasnodar Territory; Moldavia; Murgab Oasis; Orgeyov District; Polar regions; Rybnitsa District; Salekhard region; Saratov Province; Siberia; Sorok District; United States; Ural Mountains)

W. Kubiena's works on paleopedology. V. V. Dobrovolskiy. *Vop. geog.* no. 59:188-195 '62.

SOILS—ANALYSIS

(see also subdivision under Issyk-Kul' region; Kondopoga District)

Accelerated method for incomplete bulk analysis of soils [with summary in English]. I. U. I. Dobritskaya. *Pochvovedenie* no. 9:88-96 S '62.

Comparative study of the composition of solutions and lysimetric waters in turf-Podzolic soils [with summary in English]. E. I. Shlova, L. V. Korovkina. *Pochvovedenie* no. 8:11-23 Ag '62.

Gamma-gamma densitometer for measuring soil density [with summaries in English, German, and French]. O. P. Shipenko. *Vest. sel'khoz. nauki* 7 no. 5:150-153 My '62.

Method for detecting the degree of soil infection by the potato nematode. N. V. Tytkin. *Zashch. rast. ot vred. i bol.* 4 no. 5:43 S-O '60.

SOILS—BACTERIOLOGY see subdivision under Kondopoga District

SOILS—BIBLIOGRAPHY see Bibliography—Soils

SOILS—CLASSIFICATION see subdivision under Franz Josef Land; Moscow Province

SOILS—COMPOSITION see subdivision under Archangel Province; Armenia; Kün-Dmitrov Ridge

SOILS—ELECTRIC PROPERTIES see subdivision under Voyevkovo region (Leningrad Province)

SOILS—MICROBIOLOGY

Importance of bacteria and fungi in the formation of humus [with summaries in English, German, and French]. F. U. Gel'tser. *Vest. sel'khoz. nauki* 7 no. 5:134-141 My '62.

SOILS—NITROGEN CONTENT

Determining nitrates in soils by reducing them to nitrites [with summary in English]. I. A. Shafershtein, I. E. Savva, I. M. Lipkind. *Pochvovedenie* no. 9:96-101 S '62.

Methods for determining the nitrate content of carbonate-rich soils. I. A. F. Dubovik. *Izv. Kir. fil. Vses. ob-va pochw.* no. 1:119-120 '62.

Results of studying the nitrogen balance in turf-Podzolic soils during their cultivation [with summary in English]. I. V. Turin, V. K. Mikhovskii, A. K. Iartseva. *Pochvovedenie* no. 8:1-10 Ag '62.

SOILS—PHOSPHOROUS CONTENT

(see also subdivision under Ak-Say Valley, Kirghizistan; Armenia; Omsk Province)

Determining available soil phosphates by using an isotope tracer [with summary in English]. Chzhen Fu-Chzhu [Chang Fu-chu]. *Pochvovedenie* no. 9:54-58 S '62.

SOILS—RADIUM CONTENT

Studying the leaching and migration of radium in soils [with summary in English]. G. V. Rusanova. *Pochvovedenie* no. 9:85-88 S '62.

SOILS—SILICON CONTENT see subdivision under Amur Valley; Zeya Valley

SOILS—TESTING

Hand penetrometer for checking the density of sand cushions in the soil foundation of buildings. G. V. Kanakov. *Osn., fund. i mekh. grun.* 4 no. 6:27-28 '62.

The precision of the measurement of lateral pressure in triaxial apparatus. D. S. Baranov. *Osn., fund. i mekh. grun.* 4 no. 6:26-27 '62.

SOILS AND CLIMATE

Some zonal and provincial characteristics of the temperature conditions of the atmosphere-soil system [with summary in English]. U. P. Veredchenko. *Pochvovedenie* no. 8:50-58 Ag '62.

SOKOLOV, VASILII VASIL'EVICH

Mochalov, L. V. Vasilii Vasil'evich Sokolov. Leningrad, *Khudozh. RSFSR*, 1962. 37 p. illus. (MH)

SOKOLOVSKII, VADIM VASIL'EVICH, 1912—Vadim Vasil'evich Sokolovskii; on the occasion of his 50th birthday. *Inzh. zhur.* 2 no. 4:203-208 '62.

SOLAR ECLIPSES see Eclipses, Solar

SOLAR ENERGY

Aparist, R. R., and B. A. Garf. [Using solar energy] *Ispol'zovanie solnechnoi energii*. Moskva, *Izd-vo Akad. nauk SSSR*, 1958. 58 p. (Akademiia nauk SSSR. Nauchno-populiarnaiia seriia)

The thousand and one labors of the Sun. Paul Kolodkin. *Zhen. mira* no. 10:30-31 '62.

SOLAR FLARES

High-intensity solar flare of July 18, 1961. M. A. Klinkotko. *Astron. tsir.* no. 224:2 Ag '61.

Photometry of solar flares observed at the coronal station near Alma-Ata in 1960-1961 [with summary in English]. M. G. Karimov and others. *Izv. Astrofiz. inst. AN Kazakh SSR* 15:77-110 '62.

SOLAR RADIATION

The He II 304 Å and He I 584 Å resonance lines on the sun. G. M. Nikol'skii. *Dokl. AN SSSR* 147 no. 4:800-812 D '62.

Solar radiation in resonance lines He II 304 Å and He I 584 Å. G. M. Nikol'skii. *Geomag. i aer.* 2 no. 6:1025-1032 N-D '62.

SOLAR SPECTRUM see Spectrum, Solar

SOLAR SYSTEM

Similarity of structures of the solar system and of the Galaxy and other spirals [with summary in English]. M. S. Elgenson. *Astron. zhur.* 40 no. 1:140-143 Ja-F '63.

SOLDIERS

Burn brightly in the direction of the beacon lights. B. Dzhegutanov, A. Ponomarev. *Sov. voen* 45 no. 1:18-19 Ja '63.

Karasev, V. Ia. [Outstanding service makes a fine soldier] *Otlichnoi sluzhbol'krasny soldat*. Moskva, *Voenizdat*, 1962. 42 p.

Seven years later. V. Pribytkov. *Sov. voen* 45 no. 2:2-3 Ja '63.

SOLID GEOMETRY see Geometry, Solid

SOLIDS

At the Council on the Problem of "Solid State Physics." V. L. Bonch-Bruевич. *Vest. AN SSSR* 33 no. 1:109 Ja '63.

Kuperman, G. B. [Studying the properties of solids in the secondary school course in physics] *Izuchenie svoletv tverdogo tela v kurse fiziki srednei shkoly*. Moskva, *Uchpedgiz*, 1962. 89 p.

Landli, N. A. [Computation of high-temperature heat capacities of solid inorganic substances by standard entropy] *Raschet vysokotemperaturnykh teploemkosti tverdykh neorganicheskikh veshchestv po standartnoi entropii*. Tbilisi, *Izd-vo Akad. nauk Gruzinskoi SSR*, 1962. 221 p.

Temperature distribution in solids of rectangular shape under linear boundary conditions and internal overall sources of heat. V. M. Malkin, F. R. Shkhar. *Sbor. nauch. trud. VNIIM* no. 8:495-524 '62.

SOLIGORSK—CITY PLANNING

Sinakovich, G. A. [Crustal salt; comments on the construction of Soligorsk] *Sol' zemli; ocherki o Soligorskoj stolke*. Minsk, 1962. 30 p. (Obshchestvo po rasprostraneniui politicheskikh i nauchnykh znani Belorusskoi SSR, no. 24)

SOLNECHEGORSK—TECHNOLOGICAL INNOVATIONS

Introducing new and advanced suggestions. A. Vinogradov. *NTO* 4 no. 11:11 N '62.

SOLONETZ SOILS

(see also subdivision under Alazani Valley; Omsk Province)

Increasing the yield of Solonetz pasture complexes in the semidesert [with summaries in English, German, and French]. I. V. Larin, Khuan Ven'-Ui [Huang Wen-Hui]. *Vest. sel'khoz. nauki* 7 no. 11:64-67 N '62.

New method of improving malignant Solonetz soils. A. S. Voznesenskii. *Trudy Gruz NIIGIM* no. 21:27-36 '60.

SOLUBILITY

Moscow. *Vsesoluznyi institut nauchnoi i tekhnicheskoi informatsii*. [Handbook on solubility] *Spravochnik po rastvorimosti*. Moskva, *Izd-vo Akad. nauk SSSR*, Vol. 2. [Ternary multicomponent systems] *Trochnye, mnogokomponentnye sistemy*. Book 1. 1963. 943 p.

Radiochemical data on the solubility of silver chloride. V. E. Mironov. *Radiokhimiia* 4 no. 6:707-711 '62.

Solubility in the system water-sulfuric acid-p-chlorobenzene-sulfonic acid. I. U. M. Kessler, N. P. Lipikhin, E. M. Kuchinskii. *Zhur. ob. khim.* 32 no. 12:3871-3876 D '62.

Solubility in the systems isobutyraldehyde-n-butyraldehyde-water-toluene-cyclohexanol-cyclohexanone-cyclohexene-water. L. A. Serafimov and others. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 5 no. 5:722-726 '62.

SOLUTION (CHEMISTRY)

Asymmetry of critical opalescence in polymer solutions [with summary in English]. V. N. Tsvetkov, V. E. Es-kin, V. S. Skazka, Ukr. fiz. zhur. 7 no. 8:923-927 Ag '62.

Fractionation of copolymers. Effect of the composition on phase relations. A. V. Topchiev, A. D. Litmanovich, V. I. A. Shtern, Dokl. AN SSSR 147 no. 6:1389-1391 D '62.

On E. G. Troitskaia's article "Preparation of percent concentration solutions," Khim. v shkole 17 no. 6:62 K-D '62.

Thermodynamic properties of solutions of acetone-nitrobenzene. K. M. Korchemskaya, M. I. Shakhparonov, Vest. Mosk. un. Ser. 2:Khim. 16 [i. e. 17] no. 6:76-77 N-D '62.

Work and heat of adsorption of solutions. A. V. Kiselev, L. F. Pavlova, Izv. AN SSSR, Old. khim. nauk no. 12: 2121-2127 D '62.

SOLUTIONS, SOLID

Absorption of sound vibrations in solid binary solutions [with summary in English]. L. O. Svertnenko, Ukr. fiz. zhur. 7 no. 5:531-538 My '62.

Application of Green's function method to the thermodynamics of interstitial solutions. A. G. Khachatryan, Fiz. tver. tela 5 no. 1:15-20 Ja '63.

Catalytic properties of titanium dioxide and its solid solutions. I. S. Sazonova and others, Kin. i kat. 3 no. 5: 751-760 S-O '62.

SOLUTIONS, SOLID—ELECTRIC PROPERTIES

Electric properties of solid solutions in ternary systems. A. S. Bogdanovich and others, Izv. vys. ucheb. zav. fiz. no. 6:72-76 '62.

SOLVATION

Isopiestic method of determining solvate numbers during extraction. E. V. Komarov, Radiokhimiya 4 no. 6:633-638 '62.

Preparation of organozinc compounds in solvating solvents. L. I. Zakharkin, O. I. U. Okhlobystin, Izv. AN SSSR, Old. khim. nauk no. 1:193 '63.

SOLVENTS

Comparison of the effect of solvents on the formation of anion radicals and carbanions. E. S. Petrov, E. A. Iakovleva, A. I. Shatenshtein, Zhur. ob. khim. 33 no. 1: 107-112 '63.

Composition of uranyl ferrocyanides formed in the presence of organic solvents [with summary in English]. V. D. Ponomarev, I. V. Tananayev, Zhur. anal. khim. 17 no. 6:718-720 S '62.

Concentrated polymer solutions. Part 2: Thermodynamic investigation of polyisobutylene solutions in various solvents [with summary in English]. A. A. Tager and others, Vysokom. soed. 5 no. 1:94-99 Ja '63.

Effect of solvents on the intensity of resonating Raman spectral lines. K. Venkateswarlu, S. Jagathanan, Opt. i spekt. 13 no. 6:775-777 '62.

Effect of solvents on the nuclear magnetic resonance spectra of diacetylene and vinylacetylene. A. A. Petrov, N. V. Elisakov, Zhur. ob. khim. 33 no. 1:319-320 '63.

Effect of the nature of solvent on the reaction of cellulose with nitrogen dioxide [with summary in English]. V. N. Kaputskii, M. M. Pavluchenko, I. N. Ermolenko, Vysokom. soed. 5 no. 1:75-78 Ja '63.

SOLZHENITSYN, ALEKSANDR ISAEVICH, 1918-

"One day in the life of Ivan Denisovich," a tale by Aleksandr Solzhenitsyn. Reviewed by Feliks Kuznetsov, Znamia 33 no. 1:217-221 Ja '63.

SOMALIA

Prospects for independent Somalia. Wolfgang Ghantus, Vsem. stud. nov. 16 no. 1:8-10 Ja '62.

SOMALIA—DESCRIPTION AND TRAVEL

From Tanganyika to Somalia (conclusion). N. N. Sushkina, Un. nat. no. 1:8-9 Ja '63.

SOMALILAND, FRENCH—POLITICS AND GOVERNMENT

Somaliland does not want to be French. V. Sidenko, Az. i Afr. seg. no. 1:25 Ja '63.

SONAR

Dentsov, N. I. [New sonar type KhAG-400 with horizontal and vertical action] Novyi gidrolokator gorizontai'nogo i vertikal'nogo deistviia tipa KhAG-400. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1960. 21 p. [MICROFILM]

SONGS—HISTORY AND CRITICISM

Paths of the Soviet romance. V. Vasina-Grossman, Sov. muz. 26 no. 12:14-18 D '62.

SORBENTS

Dynamic method of determining the specific surface of adsorbents by means of adsorption from a solution stream. V. T. Bykov, O. E. Freaniakova, Kin. i kat. 3 no. 5:784-787 S-O '62.

SORBENTS—SPECTRA

Use of infrared spectroscopy for investigating natural sorbents. V. T. Bykov, V. N. Sushin, Kin. i kat. 3 no. 5:788-793 S-O '62.

SORGHUM

(see also subdivision under Samarkand Province)

Determining prussic acid in sorgo [with summaries in English, German, and French]. A. F. Sysoev, Vest. sel'khoz. nauki 7 no. 10:110-112 O '62.

Viability of pollen and stigmata of different sorgo varieties and the best methods for pollen preservation. V. A. Pronin, Sbor. stud. nauch. i issl. rab. TSKHA no. 11:183-187 '62.

SOROKI DISTRICT—SOCIAL GROUP WORK

An enthusiast. V. Vozhzhnev, Komm. Mold. 7 no. 11: 66-68 N '62.

SOROKI DISTRICT—SOILS

Soils in Soroki District, Moldavian S. S. R. A. F. Ursu, Pochvy raton, Mold. i ikh rats. ispol'. no. 1:27-27 '61.

SORPTION

Determination of the water vapor diffusion coefficient in granulated zeolites by the method of sorption from the gas-carrier stream. O. N. Kabanova, D. P. Timofeev, Izv. AN SSSR, Old. khim. nauk no. 1:176-178 '63.

SORTAVALA—CLOTHING INDUSTRY

Strength of the collective. E. Kozlova, Part. zhizn' no. 1:44-46 Ja '63.

SORTAVALA DISTRICT—FOREST SOILS

Podzolic forest soils in Sortavala District and their changes under cultivation. G. F. Volodina, A. M. Volodin, Trudy Kar. fil. AN SSSR no. 34:113-123 '62.

SORTAVALA DISTRICT—PODZOL

Podzolic forest soils in Sortavala District and their changes under cultivation. G. F. Volodina, A. M. Volodin, Trudy Kar. fil. AN SSSR no. 34:113-123 '62.

SOUND—RECORDING AND REPRODUCING—BIBLIOGRAPHY see Bibliography—Sound—Recording and reproducing

SOUND—SPEED

Propagation of an elastoplastic loading wave along a finite rod [with summary in English]. A. I. Buravisev, Vest. LGU 18 no. 1:79-85 '63.

SOUND—TRANSMISSION

Tamed sounds. V. Nered, Nauka i zhytlin 12 no. 10: 53-54 O '62.

SOUND PRODUCTION BY ANIMALS

New data on sound production by fishes [translated from the German]. H. Schneider, Zool. zhur. 41 no. 11: 1670-1680 N '62.

Sound and the sea. S. Stel'makh, Nauka i zhytlin 12 no. 10:40-41 O '62.

SOUNDPROOFING

Soundproofing partitions between standard apartments. V. Minkshin, Stroi i arkhitekt. 10 no. 8:30-31 Ag '62.

Tamed sounds. V. Nered, Nauka i zhytlin 12 no. 10: 53-54 O '62.

SOUTH AFRICA, REPUBLIC OF—ART—CENSORSHIP

"The black Christ." Nov. vrem. 20 no. 1:26-27 Ja '63.

SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION

"The black Christ." Nov. vrem. 20 no. 1:26-27 Ja '63.

There is no place for racialism in Africa. K. Gelbandov, Az. i Afr. seg. no. 1:56-57 Ja '63.

SOUTH AFRICA, REPUBLIC OF—WOMEN, NEGRO

Heroines of the twentieth century. Ann Devine, Zhen. mira no. 4:18-20 '62.

SOUTH AMERICA—LIZARDS

Green iguana. E. Linnik, Un. nat. no. 1:25 Ja '63.

SOUTH KAZAKHSTAN PROVINCE see Chirchik Prov-

ince

SOUTH KOREA see Korea, South

SOUTH OSSETIA see Ossetia, South

SOUVENIRS (KEEPSAKES)—COMPETITIONS

Toys and souvenirs, whose are the best? Mest. prom. i khud. promys. 3 no. 11:40 N '62.

SOVETSK (KALININGRAD PROVINCE)

Rubanovich, V. I., and V. S. Isupov, Sovetsk, [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1961. 61 p. (Goroda nashel oblasti)

SOVIET BLOC see Communist Countries

SOVIET CENTRAL ASIA—AMUR CORK TREE

Phloem formation on the perennial superterranean axial organs of the Amur cork tree (Phellodendron amurense Rupr.) [with summary in English]. A. P. Nechaev, Bot. zhur. 47 no. 11:1830-1840 N '62.

SOVIET CENTRAL ASIA—ECONOMIC CONDITIONS

Possibility of a noncapitalist development of the underdeveloped areas. A. Babakhodzhaev, Komm. Uz. 34 no. 11:19-28 N '62.

Problem of the noncapitalist development of some nations. S. N. Grigorian, M. Kh. Khanov, Vop. filos. 17 no. 1:142-148 '63.

What can we learn from the rapid development of some regions from eternal backwardness to present-day progress [with summary in English, p. 182]. TS. A. Stepanian, Vop. filos. 17 no. 1:24-35 '63.

SOVIET CENTRAL ASIA—ECONOMIC POLICY

Main trends in the development of productive forces in Central Asia. K. Bedrintsev, B. Desiatichkov, Nar. khoz. Uzb. 4 no. 11:35-42 N '62.

SOVIET CENTRAL ASIA—DESERT CANDLE

Materials on studying the genus Eremurus. A. P. Kholshnikov, Biol. Glav. bot. sada no. 47:26-32 '62.

SOVIET CENTRAL ASIA—HISTORY

"Reply to the falsifiers of the history of Soviet Central Asia and Kazakhstan" by Kh. Inolatov. Reviewed by Perov, Nar. khoz. Uzb. 4 no. 11:91-94 N '62.

SOVIET CENTRAL ASIA—INDUSTRIES

Main trends in the development of productive forces in Central Asia. K. Bedrintsev, B. Desiatichkov, Nar. khoz. Uzb. 4 no. 11:35-42 N '62.

SOVIET CENTRAL ASIA—METEOROLOGY

In the Main Administration of the Hydrometeorological Service, Meteor. i gidrol. no. 1:59 Ja '63.

SOVIET CENTRAL ASIA—RECLAMATION OF LAND

Some problems concerning the agricultural reclamation of the desert and semi-desert. V. Meshehenko, Komm. Uz. 34 no. 11:87-93 N '62.

SOVIET CENTRAL ASIA—RECLAMATION OF LAND—CONGRESSES

Interrepublic scientific session on the reclamation of deserts of Central Asia and Kazakhstan. V. V. Iakhotov, Zool. zhur. 41 no. 11:750-750 N '62.

SOVIET CENTRAL ASIA—ROBBER FLIES

New genus of robber flies (Diptera, Asilidae) from Central Asia [with summary in English]. V. A. Rikhter, Zool. zhur. 41 no. 11:1740-1749 N '62.

SOVIET CENTRAL ASIA—SOCIAL LIFE AND CUSTOMS

Family and mode of life of the peoples of Central Asia and Kazakhstan in the period of the building of socialism and communism [with summary in English]. G. P. Vasil'eva, N. A. Kladakov, Sov. etn. no. 6:3-16 N-D '62.

SOVIET CENTRAL ASIA—RIVERS

In the Main Administration of the Hydrometeorological Service, Meteor. i gidrol. no. 1:59 Ja '63.

SOVIET CENTRAL ASIA—TAJIK LANGUAGE—DIALECTS

Rastorgueva, V. S. [Classification of Tajik dialects] Opyt klassifikatsii tadjikskikh govorov. Moskva, Izd-vo vostochnoi lil-ry, 1960. 10 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)

SOVIET FAR EAST—DESCRIPTION AND TRAVEL

Orechkin, V. V. [Story of a trip] Rasskaz ob odnoe puzhke. [Kursk] Kurskoe knizhnoe izd-vo, 1961. 50 p. (MII)

SOVIET FAR EAST—FISHERIES

Enthusiasts of the fishermen's council. P. Artemov, Komm. zhizn' no. 23:23-24 D '62.

SOVIET FAR EAST—GRAIN—DISEASES AND PESTS

The meadow moth Cirphis unipuncta Naw., a scourge of grain crops in the Far east. Z. G. Onisimova, I. N. Vavilov, Zashch. rast. ot vred. i bol. 5 no. 3:23-25 Mr '60.

SOVIET FAR EAST—LEGAL RESEARCH

In the Department of Law of Far East University. P. D. Izv. vys. ucheb. zav. prav. 6 no. 4:184-185 '62.

SOVIET FAR EAST—MERCHANT MARINE

Merchant seamen of the Soviet Far East. S. Luk'ianchenko, Part. zhizn' no. 1:35-39 Ja '63.

SOVIET FAR EAST—MILDEW

Powdery mildew of the Siberian pea tree. E. Z. Kovnii, E. S. Nelson, Zashch. rast. ot vred. i bol. 5 no. 10:52-53 O '60.

SOVIET FAR EAST—MOTHS—EXTERMINATION

The meadow moth Cirphis unipuncta Naw., a scourge of grain crops in the Far East. Z. G. Onisimova, I. N. Vavilov, Zashch. rast. ot vred. i bol. 5 no. 3:23-25 Mr '60.

SOVIET FAR EAST—PEA TREE—DISEASES AND

Powdery mildew of the Siberian pea tree. E. Z. Kovnii, E. S. Nelson, Zashch. rast. ot vred. i bol. 5 no. 10:52-53 O '60.

- SOVIET FAR EAST—PINE**
Forecasting the cone yield of *Pinus koraiensis*. N.V. Krechetova, V.I. Shteinikova. Les.khoz. 15 no.11: 41-44 N '62.
- SOVIET FAR EAST—POTATO ROT**
Decreasing the susceptibility of potatoes to potato late blight. R.A. Bogotavlenskaya. Zashch. rast. ot vred. i bol. 5 no.7:21-23 JI '60.
- SOVIET FAR EAST—RUNOFF**
Study of the maximum runoff of small Far Eastern rivers. I.I. Galaktionov, I.U. M. Georgievskii, A.A. Samokhin. Trudy Len. gidromet. inst. no.11:188-207 '61.
- SOVIET FAR EAST—SPRAYING AND DUSTING IN AGRICULTURE**
In the Far East. V.V. Shablinskii, K.M. Postoev. Zashch. rast. ot vred. i bol. 4 no.5:8-9 S-O '59.
- SOVIET UNION** see Russia
- SOVIETS**
(see also subdivision under Chimkent; Chistoye; Feodosiya; Gritsev District; Ivanovo; Karelin; Korchi; Latvia; Lesogorsk; Melkess; Minsk District; Moscow; Sevastopol; Siberia; Tajikistan; Voronezh Province)
An all-inclusive workers' organization. IU. Shabanov. Komm. Bol. 36 no.11:16-23 N '62.
Brief news of the work of the soviets. Sov. deput. trud. no.1:97-98 Ja '63.
Brief news of the work of the soviets. Sov. deput. trud. no.6:106-107 Je '62.
Development of the soviets as "working corporations." V.I. Vasil'ev. Vest. Mosk. un. Ser. 10: Pravo 17 no.4: 13-20 O-D '62.
"The district soviets of workers' deputies in cities and towns" by R.A. Safarov. Reviewed by V.F. Fomichev. Vest. Mosk. un. Ser. 10: Pravo 17 no.4:79-81 O-D '62.
Extending the functions of standing committees. N. Starovoirov. Sov. deput. trud. no.8:15-20 S '62.
From the editor's mail. Sov. deput. trud. no.9:75 S '62.
History of the mass organizational work of the soviets. N.G. Beliaeva. Vest. Mosk. un. Ser. 10: Pravo 17 no.4:21-28 O-D '62.
How we have carried out the mandates of our voters. Sov. deput. trud. no.1:5-7 Ja '63.
Ivanov, V.A. [How our people govern their state] Kak nash narod upravlyaet svoim gosudarstvom. Leningrad, Ob-vo po rasprostraneniю polit. i nauchn. znaniy RSFSR, 1962. 68 p.
Karev, D.S., ed. [Legal manual for the deputies of local soviets] Iuridicheskii spravochnik deputata mestnogo soveia. Izd. 2. [Moskva] Izd-vo Mosk. univ., 1962. 511 p.
Local soviets and the new organs of agricultural administration. Sov. deput. trud. no.6:3-8 Je '62.
Mandates given to the deputies of the soviets. V.A. Kuchinskii. Sov. gos. i pravo 33 no.2:110-115 F '63.
Rozin, L.M., and F.S. Razarenov. [Administrative commissions attached to the executive committees of the district and city soviets of workers' deputies] Administrativnye komissii pri ispolkomakh raionnykh i gorodskikh Sovetov deputatov trudiaschikhhsia. Moskva, Gosizdat, 1962. 55 p.
"Some deputies took the floor too." Sov. deput. trud. no.9:88-89 S '62.
Some forms of party management of the soviets in the contemporary stage of communist construction [with summary in English]. E.M. Vakhanskii. Vest. LGU 17 no.20:18-31 '62.
Standing committees or boards of volunteers? Results of a discussion in our periodical. Sov. deput. trud. no.9:62-67 S '62.
Such sessions aren't valid. Sov. deput. trud. no.6:88-89 Je '62.
Three episodes. P. Dudochkin. Sov. deput. trud. no.9: 111-112 S '62.
We like these news stories! Sov. deput. trud. no.9:89 S '62.
We should develop public participation in the work of the local soviets of workers' deputies. R.K. Kalumov. Sov. gos. i pravo 33 no.1:108-113 Ja '63.
We should welcome the initiative of standing committees. G. Vecher, V. Lyskii, A. Kuryin. Sov. deput. trud. no.9:35-40 S '62.
- SOWING**
The crop will prove it. I. Kuz'min. Zemledelie 24 no.12:73 D '62.
- SOWING—EQUIPMENT AND SUPPLIES**
AS-2 drill loader. L. Kormakov. Ekon. sel'khoz. 33 no.12:76 D '62.
- SOWS**
Economic effectiveness of using one-litter sows [in Armenian with summary in Russian]. A.G. Toganian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no.9/10:3-12 '62.
Effect of various amounts of sperm on the reproductive function in sows [with summaries in English, German, and French]. N.T. Plisheko. Vest. sel'khoz. nauki 7 no.10:62-67 O '62.
- SOYBEAN**
Let's start all-Union distribution of soybean! A.G. Novak. Nauka i zhizn' 29 no.11:98-100 N '62.
- SOYBEAN—DISEASE AND PEST RESISTANCE** see subdivision under Amur Province
- SPACE AND TIME**
Gravitation, space, time. A.S. Kompaneets. Dos. such. fiz. no.6:155-164 '62.
- SPACE BIOLOGY**
Present state of and the outlook for the space biology. N. Sisakian. Av. i kosm. 45 no.1:10-15 Ja '63.
Space biology. H. Mel'nykov. Nauka i zhizn' 12 no.10: 8-9 O '62.
- SPACE FLIGHT**
(see also subdivision under United States)
On the road to stars. G. Pokrovskii. Kryl. rod. 14 no.1:6-7 Ja '63.
Problems of the conquest of outer space. Sh. H. Horde- kade. Dos. such. fiz. no.6:8-16 '62.
Space week. Grazhd. av. 19 no.9:2 of cover-6 S '62.
U.S.S.R. is the starting area for space flights. NTO 4 no.9:2-5 S '62.
- SPACE FLIGHT—BIBLIOGRAPHY** see Bibliography—Space flight
- SPACE FLIGHT TO MARS**
Headed for Mars! Znan. -zila 37 no.11:11 N '62.
On the way to the mystery planet. K. Malutin and others. Sov. voln 45 no.2:28-28 Ja '63.
On the way to the planet Mars. Priroda 52 no.1:16-17 '63.
- SPACE LAW**
Some legal problems of the conquest of space. Todor Gabrovskii. Mezhdunar. zhizn' 10 no.2:124-125 F '63.
- SPACE MEDICINE**
Medicine and space. V. Vasil'skii, I.U. Fedotov. Mol. komm. no.12:45-50 D '62.
- SPACE PERCEPTION**
Development of a habit of estimating distances by sight during the educational process in schools [with a summary in English]. D.K. Gilev. Vop. psikh. 8 no.4: 121-124 JI-Ag '62.
- SPACE RESEARCH**
What outer space can give to mankind. I. Grishanko. Nov. vrem. 20 no.3:5-7 Ja '63.
- SPACE SCIENCES**
(see also subdivision under United States)
In the depths of universe. V. Vasil'ev. Nauka i zhizn' 12 no.10:5-7 O '62.
- SPACE SCIENCES—CONGRESSES**
Symposium of the Japanese Rocket Society. Vest. AN SSSR 33 no.1:79 Ja '63.
- SPACES, GENERALIZED**
Condensations of completely regular spaces. V. Proiz- volov. Dokl. AN SSSR 147 no.4:787-788 D '62.
Generalities in ergodic theory [with summary in Eng- lish]. V.A. Rokhlin. Vest. LGU 18 no.1:26-32 '63.
Necessary and sufficient indication of the compactness of imbedding [with summary in English]. A.G. Ramm. Vest. LGU 18 no.1:150-151 '63.
Philosophical substance of the geometrical concept of multidimensional space. Kh. P. Fraiman, B. U. Britan. Vop. filos. 17 no.1:116-125 '63.
Spin translation in Lobachevskii space [with summary in English]. I.A. Smorodinskii. Zhur. eksp. i teor. fiz. 43 no.6:2217-2223 D '62.
- SPACESHIPS**
Cybernetics and the reliability of spaceship control sys- tems. A.G. Ivakhnenko. Nauka i zhizn' 29 no.11:30- 31 N '62.
Investigation of cosmic rays and the terrestrial corpus- cular radiation by means of rockets and satellites. S.M. Viernov, O. IE. Chudakov. Dos. such. fiz. no.6: 17-33 '62.
The problem of electric propulsion of spaceships (ionic rockets). IE. T. Kucherenko. Dos. such. fiz. no.6: 65-80 '62.
- SPAIN—CIVIL WAR, 1936-1939**
Karmen, R.L. [In countries of three continents] Po stranam trekh kontinentov. [Moskva] Molodala gvar- dia, 1962. 142 p.
- SPAIN—COMMERCE**
Karavaev, A.P. [Spain; economy and foreign trade] Ispa- nia; ekonomika i vnesniala trgovlia. Moskva, Vnesh- torgizdat, 1962. 154 p.
- SPAIN—COST AND STANDARD OF LIVING**
Terrible and turbulent Spain. Denise Breton. Zhen. mira no.9:11-15 '62.
- SPAIN—DESCRIPTION AND TRAVEL**
Gamarra, Pierre. [The hopes and torments of Spain. Translated from the French] Nadezhdy i muki Ispanii. Moskva, Izd-vo "Pravda," 1962. 65 p. (Biblioteka "Ogonek," no.52)
- SPAIN—ECONOMIC CONDITIONS**
Karavaev, A.P. [Spain; economy and foreign trade] Ispa- nia; ekonomika i vnesniala trgovlia. Moskva, Vnesh- torgizdat, 1962. 154 p.
- SPAIN—MILITARY BASES, AMERICAN**
N.S. Khrushchev's reply to the questions of the news- paper "Espana popular." Nov. vrem. 20 no.5:3-4 F '63.
- SPAIN—POLITICS AND GOVERNMENT**
N.S. Khrushchev's reply to the questions of the news- paper "Espana popular." Nov. vrem. 20 no.5:3-4 F '63.
- SPAIN—STRIKES AND LOCKOUTS**
Experience of spring strikes in Spain. Vsem. prof. dvizh. no.12:22-24 D '62.
- SPAIN—STRIKES AND LOCKOUTS—COAL MINERS**
Terrible and turbulent Spain. Denise Breton. Zhen. mira no.9:11-15 '62.
- SPAIN—WOMEN**
Women in Spain. Irene Falcon. Zhen. mira no.11: 25-26 '62.
- SPAIN—WOMEN IN POLITICS**
Freedom for the Spanish people. Zhen. mira no.7:22 '62.
- SPANISH AMERICA** see Latin America
- SPANDARIAN, SUREN SPANDAROVICH, 1882-1916**
Eagle heart. L. Ter-Mkrtichian. Mol. komm. no.12: 97-98 D '62.
Suren Spandarian [in Armenian with summary in Rus- sian]. TS. P. Agalan. Ist. -filol. zhur. no.4:15-24 '62.
- SPARK-EROSION MACHINING** see Electric metal cutting
- SPARK PLUGS**
Thermocouple plug for selecting spark plugs for engines. I. P. Mosolov. Avt. prom. 28 no.12:26 D '62.
- SPASSK-RYAZANSKIY DISTRICT—AGRICULTURAL ADMINISTRATION**
A harmful measure. Sov. deput. trud. no.1:90-91 Ja '63.
- SPAYING**
Changes in the conditioned reflex activity of white rats under the influence of ovariectomy and the administra- tion of estrogens [with summary in English]. S.N. Ushenko. Trudy Ukr. nauch. -issl. inst. eksper. endok. 18:303-309 '61.
- SPECIAL LIBRARIES** see Libraries, Special
- SPECIES**
The reality of species as related to the dialectical correlation of their general and specific characteris- tics. E.U. Volkava. Vest. AN BSSR. Ser. hram. nav. no.4:71-82 '62.
- SPECIFIC HEAT** see Heat capacity
- SPECTROGRAPH**
Simple photoelectric attachment to the KSA-1 spectro- graph [with summary in English]. V.N. Vyshneva'kyi, M.S. Pidzyrailo. Ukr. fiz. zhur. 7 no.10:1106-1109 O '62.
- SPECTROMETER**
Electron paramagnetic resonance spectrometer. V.B. Lebedev. Izv. AN SSSR. Ser. fiz. 27 no.1:60-75 Ja '63.
Experimental-production operation of the MKh1201 auto- matic regulating mass-spectrometer. V.A. Pavlenko and others. Zav. lab. 28 no.12:1525-1526 '62.
- SPECTROMETRY**
Measurement of the p γ -angular correlation in the re- action $Be^9(d, p\gamma)Be^{10}$. G.A. Kosinov, O.F. Nemets. Izv. AN SSSR. Ser. fiz. 16 no.12:1518-1520 D '62.
Study of e γ -coincidence in Pt^{188} decay. L.N. Kriuko- va and others. Izv. AN SSSR. Ser. fiz. 16 no.12:1521- 1522 D '62.
- SPECTROPHOTOMETER**
Spectrophotometer for the long-wave infrared region. V.N. Murzin, A.I. Demeshina. Opt. i spekt. 13 no.6: 826-830 '62.
- SPECTROPHOTOMETRY**
Problems of the theory of analytical color reactions with organic reagents. Report No.3: Mechanism of reactions involving periodic changes in the coloration of some acid-base indicators [with summary in Eng- lish]. A.I. Cherkasov. Zhur. anal. khim. 17 no.6: 662-659 S '62.

SPRAYING AND DUSTING EQUIPMENT (Continued)

Lightweight pressure pipes in sprayers, R.A.Sardarian, Zashch.rast.ot.vred.i bol. 5 no.3:13-14 Mr '60.

New machines, Zashch.rast.ot.vred.i bol. 5 no.5:23-24 My '60.

New machines, Zashch.rast.ot.vred.i bol. 5 no.5:20-21 Je '60.

The OASH-8 orchard aerosol machine, D.M.Mikhailov, L.F.Piskun, Zashch.rast.ot.vred.i bol. 5 no.5:22-23 My '60.

Portable pulsating aerosol generators, E.I.Bonch, Zashch.rast.ot.vred.i bol. 5 no.5:52 My '60.

Self-propelling sprayer, I.U.N.Nel'pert, Zashch.rast.ot.vred.i bol. 4 no.5:37 S-O '59.

Shortcomings of the OPS-30B and methods for their elimination, I.G.Fakhrudinov, Zashch.rast.ot.vred.i bol. 4 no.5:18-19 S-O '59.

Some problems of the mechanization of pest control in citrus orchards [with summary in English], M.G.Akhazava, Subtrop.kul't., no.1:58-62 '62.

Sprayer with rotating atomizers, A.V.Funikov, Zashch.rast.ot.vred.i bol. 5 no.3:13 Mr '60.

Structural characteristics of the machines of foreign make, N.I.Kulikov, Zashch.rast.ot.vred.i bol. 4 no.5:50-52 S-O '59.

Testing the use of a portable generator, L.V.Pan'shin, Zashch.rast.ot.vred.i bol. 5 no.6:19 Je '60.

Tractor-drawn low-volume sprayers for orchards, I.A.A.Mel'sakovich, Zashch.rast.ot.vred.i bol. 5 no.6:49-52 Je '60.

Using aerosol apparatus, G.I.Korotkiĭ, Zashch.rast.ot.vred.i bol. 5 no.5:43-45 My '60.

SPRAYING AND DUSTING IN AGRICULTURE

(see also subdivision under Kalach District; Kuba District; Oktemberyan District; Soviet Far East; Tajikistan; Ukraine)

Aviation in plant protection, S.G.Starostin, Zashch.rast.ot.vred.i bol. 5 no.10:1-3 O '60.

Effective measures in controlling pear pests, P.A.Espenko, Zashch.rast.ot.vred.i bol. 5 no.10:28 O '60.

From the history of aeronautics in agriculture, G.I.Korotkiĭ, Zashch.rast.ot.vred.i bol. 2 no.8:37-38 N-D '57.

In a field crop brigade, R.T.Manukian, Zashch.rast.ot.vred.i bol. 5 no.7:13-14 JI '60.

KA-15 helicopters in agriculture, M.B.Malinovskii, Zashch.rast.ot.vred.i bol. 5 no.7:15-16 JI '60.

Machine is used in an efficient way, V.R.Pol'shin, Zashch.rast.ot.vred.i bol. 5 no.11:22-23 N '60.

A machinery operator and an efficient worker, N.M.Filimonov, Zashch.rast.ot.vred.i bol. 5 no.10:6 O '60.

Methods for estimating the distribution of poisons in spraying, A.V.Funikov, Zashch.rast.ot.vred.i bol. 5 no.10:43 O '60.

Order of acquiring machines, spare parts, and poisonous chemicals, F.I.Lobanov, Zashch.rast.ot.vred.i bol. 5 no.5:47 My '60.

Our practices in protecting orchards, A.A.Samoflenko, Zashch.rast.ot.vred.i bol. 5 no.11:9-11 N '60.

Possibilities of aerial methods, I.V.Sazonov, Zashch.rast.ot.vred.i bol. 2 no.6:39-40 N-D '57.

Protecting grapes against pests and diseases; practices on the Lenin State Farm, N.T.Panych, Zashch.rast.ot.vred.i bol. 4 no.5:9-12 S-O '59.

Simple method for calculations in dusting chemicals from airplanes, N.N.Balinskii, Zashch.rast.ot.vred.i bol. 5 no.10:37 O '60.

We are protecting mustard against pests, V.N.Litvinov, A.A.Kuznetsova, Zashch.rast.ot.vred.i bol. 2 no.8:48 N-D '57.

SPRINKLER IRRIGATION

(see also subdivision under Georgia)

Method of regulating the intensity of sprinkling in using long-stream sprinklers, V.P.Makhmurian, Trudy Gruz NIGIM no.21:233-240 '60.

SPRINKLERS—TESTING see subdivision under Georgia

SPRUCE

(see also subdivision under Lvov Province)

Effect of some growth promoting factors on spruce seedlings, M.I.Onys'kiv, Vysny sil'hozp.nauky 5 no.12:89-90 D '62.

Investigating the effectiveness of growth stimulators on spruce seedlings, M.I.Onys'kiv, Nauk.pratsi asp. UASIN no.5:104-106 '60.

Time of the formation of generative buds in the dahurian larch (Larix dahurica Turcz.) and Yedo spruce (Picea jezoensis [G. et Z.] Carr.), O.B.Mikhalevskaja, Bot.zhur. 47 no.11:1859-1861 N '62.

SPURGE

Embryology of the petty spurge Euphorbia peplus L. [with summary in English], I.E.L.Kordium, V.O.Zaiets', Ukr.bot.zhur. 19 no.5:42-48 '62.

SPUTNIKS see Artificial satellites

STABILITY

Instability conditions of a delay system, Chang Te-ch'ang, Inzh.zhur. 2 no.4:205-212 '62.

On the theory of stability of motion, V.M.Matrosov, Prikl.mat.i mekh. 26 no.6:992-1002 N-D '62.

Stability of steady motions of solid bodies having cavities filled with liquid, V.V.Rumiantsev, Prikl.mat.i mekh. 26 no.6:977-991 N-D '62.

Stability of the rotation of a solid body having an ellipsoidal cavity filled with liquid, F.Kh.Tsel'man, Prikl.mat.i mekh. 26 no.6:1126-1130 N-D '62.

STABILITY OF SHIPS

Leningrad, Tsentral'nyi nauchno-issledovatel'skii institut Morskogo flota, [Guide to the control of a ship's seaworthiness by the ship's personnel and by means available on board] Rukovodstvo po nabludeniiu za morekhodnost'io sudna silami i sredstvami sudovogo sostava, Leningrad, Izd-vo "Morskoi transport," 1962, 22 p.

[MICROFILM]

STAIRCASES

Making staircases and landings in vertical molds, A.Ostrovskii, Stroi.i arkhitekt. 10 no.1:38 Ja '62.

Model for installing stair guardrails, Stroi.i arkhitekt. 10 no.1:39 Ja '62.

STALIN, IOSIF, 1879-1953

We should completely eliminate the traces of the personality cult in the theory of agricultural and collective farm law, I.Pankratov, Sots.zakon. 40 no.1:40-48 Ja '63.

STALINABAD see Dushanbe

STALINGRAD see Volgograd

STALINGRAD, BATTLE OF, 1942-1943

Bachurin, A.P. [The diary of a political worker at the front] Frontovyye zapiski politrabotnika, Moskva, Voenizdat, 1962, III p.

Continuation of the battle on the Volga, Lev Bezymenskii, Nov.rem. 20 no.7:6-8 F '63.

Days of the great battle; from the notebook of the Chairman of the "Committee for the Defense of Stalingrad," A.S.Chuianov, Ist.arh. 8 no.5:161-183 S-O '62.

The great battle on the Volga; an interview with P.Batov, L.Bezymenskii, Nov.vrem. 20 no.5:5-8 F '63.

Great battle on the Volga, V.Grinevskii, Voen.znan. 39 no.1:5-7 Ja '63.

Historical studies on the Great Battle on the Volga [with summary in English], pp.220-221, A.M.Samsonov, Vop.isk. 38 no.1:50-65 Ja '63.

On the southern front, A.Zelenkov, Sov.voin 45 no.2:18-20 Ja '63.

The 20th anniversary of the Battle on the Volga; decisions of the "Committee for the Defense of Stalingrad," February, 1943-April, 1945, Submitted by I.I.Belono-sov, M.I.Logvinova, A.M.Samsonov, Ist.arh. 8 no.5:3-35 S-O '62.

STALINGRAD HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (22d Congress of the CPSU)

STALINGRAD PROVINCE see Volgograd Province

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

STAMMERING

Iastrebova, A.V. [Characteristics of the spoken and written language of stammering pupils; the primary grades of the public school] Osobennosti ustnoi i pis'mennoi rechi u zaiatshchikh uchashchikhsia; mladshie klassy massovoi shkoly, Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1962, 54 p.

STANDARDIZATION

Put the standardization and manufacturability of elements at the base of design, A.L.Ruta, Transp.stroi. 12 no.12:32-34 D '62.

STANDARDS, ENGINEERING

Changes in state standards, Biul.stroi.tekh. 19 no.12:19-24 D '62.

[Information index of standards] Inform.ukaz.stand. 23 no.12 '62.

New procedure for supplying standard plans, A.Petrov, Sol'stroi. no.12:14 D '62.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva, [Construction specifications and regulations] Stroitel'nye normy i pravila, Moskva, Gosstroizdat.

Pt.1. Sec.V, ch.9, [Ceramic materials and products (SNIP I-V, 9-62)] Keramicheskie materialy i izdeliia, (SNIP I-V, 9-62), 1962, 20 p.

ch.26, [Insulating and acoustic materials and products (SNIP I-V, 26-62)] Teploizolatsionnye i akusticheskie materialy i izdeliia (SNIP I-V, 26-62), 1962, 22 p.

Pt.2. Sec.A, ch.8, [Natural lighting; design standards. (SNIP II-A, 8-62)]

Estestvennoe osveshchenie; normy proektirovaniia, (SNIP II-A, 8-62), 1962, 22 p.

Sec.B, ch.2, [Foundations of buildings and structures on settling soils; design standards. (SNIP II-B, 2-62)] Osnovaniia i fundamente zdaniĭ i sooruzhenii na prosedachnykh gruntakh; normy proektirovaniia (SNIP II-B, 2-62), 1962, 8 p.

Sec.I, ch.1, [River hydraulic engineering structures; principal design regulations (SNIP II-1, 1-62), Gidrotekhnicheskie normy i regulatsii; osnovnye polezovaniia proektirovaniia (SNIP II-1, 1-62), 1962, 31 p.

Some problems of the allocation of numbers to standard plans, Biul.stroi.tekh. 19 no.12:31 D '62.

STANDARDS OF LENGTH

Methods for reducing spectral line widths to facilitate interference length measurements, A.P.Kirichenko, Usp.fiz.nauk 78 no.3:525-538 N '62.

STANDPIPES

Removing air from a heating system with π -form valves, A.Pukash, I.Shul'gin, Stroi.i arkhitekt. 10 no.1:35-37 Ja '62.

STANISLAV ECONOMIC REGION—LUMBER—DRYING

Efficiency of forced drying systems in the enterprise under Stanislav Economic Council, E.Ia.Chesnok, A.E.Shitova, Bum.i der.prom. no.4:11-14 D '62.

STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938

Art in his whole life, V.Nol'de, Sem'in i shkola 38 no.1:28-30 Ja '63.

Forerunner in new artistic paths; on the centennial of the birth of K.S.Stanislavskii, Iur.Zukhov, Nov.vrem. 45 no.1:42-43 Ja '63.

Genuine art; centenary of K.S.Stanislavskii's birth, A.Solodovnikov, Nov.vrem. 20 no.2:17-19 Ja '63.

Great reformer of the theater, V.O.Toporkov, V knig 2 no.12:32-33 D '62.

K.S.Stanislavskii and motion pictures; survey and publication of materials, I.U.Kalashnikov, M.Holova, Vop.kinolo. no.6:281-317 '62.

K.S.Stanislavskii and the Academy of Sciences, A.V.Kol'tsov, Vest.AN SSSR 33 no.1:98-101 Ja '63.

Konstantin Sergeevich, Iuril Oleha, V mlre knig 3 no.12:36 D '62.

Prokof'ev, V.N. [In debates on Stanislavskii] V sp'ekhe o Stanislavskom. Pod red. G.Kristi, Moskva, Iskustvo, 1962, 271 p.

Teacher studies with Stanislavskii, S.Gurevich, Nar.obr. no.1:91-94 Ja '63.

STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938—BIBLIOGRAPHY see Bibliography—Stanislavskii, Konstantin Sergeevich, 1863-1938

STAPHYLOCOCCAL DISEASE

Disinfecting the carriers of pathogenic staphylococci among the medical personnel in pediatric wards, N.I.Margulis, M.G.Rogol', Zdravookhranenie 5 no.3:47-50 My-Je '62.

STARAYA SINYAVA—PART-TIME FARMING

With love for their work, A.Vasil'ev, Sov.patrul.koop. 6 no.12:30-32 D '62.

STARAYA SINYAVA—RESTAURANTS, LUNCHROOMS, ETC.

With love for their work, A.Vasil'ev, Sov.patrul.koop. 6 no.12:30-32 D '62.

STAROBESHEVO DISTRICT—MARTYNIAČKA

Martynia proboscidea Glox in the fields of Donetsk Province, M.Kalmakan, Ukr.bot.zhur. 10 no.5:102 '62.

STAROBIN DISTRICT—POTASSIUM SALTS

Siniakovich, G.A. [Crustal salt; comments on the construction of Sol' zemli; ocherk o Sol' zemli i stroitel'stve. Minsk, 1962, 30 p. (Obshchestvenno rasprostraneniia politicheskikh i nauchnykh znaniĭ Belorusskoi SSR, no.24)]

STARS

Mikhailov, A.A., ed. [Course on astrophysics and stellar astronomy] Kurs astrofiziki i zvezdnoi astronomii [2, izd.], Moskva, Fizmatgiz, Vol.2, [By] T.A.Agekian i dr. 1962, 688 p.

Photometry of the continuous spectrum of P Cygni-type stars, V.P.Arkhypova, Astron.zhur. 40 no.1:71-81 Ja-F '63.

Spectrophotometric temperatures, absolute magnitudes and intrinsic color indices of Wolf-Rayet stars [with summary in English], S.V.Rublev, Astron.zhur. 40 no.1:100-114 Ja-F '63.

Symposium on nonstable stars, A.Borachuk, Astron.zhur. 40 no.1:202-203 Ja-F '63.

Symposium on Nonsteady-state Stars, A.A.Borachuk, Vest.AN SSSR 33 no.1:124-126 Ja '63.

STARS—CLUSTERS

- Binary and multiple stars. A. N. Deich. Priroda 52 no. 1:61-67 '63.
Classification of open clusters according to the luminosity function [with summary in English]. S. S. Perunskii. Astron. zhur. 40 no. 1:127-130 Ja-F '63.
Density distribution of stars in M2 globular cluster and some remarks on the dynamic evolution of globular clusters [with summary in English]. P. N. Kholopov. Astron. zhur. 40 no. 1:118-126 Ja-F '63.
Some data on nebulae and star clusters. M. V. Dolidze. Astron. tsir. no. 224:18-22 Ag '61.

STARS—CONSTITUTION

- On Cameron's article [with summary in English]. G. S. Saakian. Astron. zhur. 40 no. 1:82-84 Ja-F '63.

STARS—DISTRIBUTION

- Distribution of early stars in the Galaxy [with summary in English]. I. I. Pronik, V. I. Pronik. Astron. zhur. 40 no. 1:94-99 Ja-F '63.

STARS—MOTION IN LINE OF SIGHT

- Statistical analysis of measurement errors of radial velocities of stars of late spectral classes [with summary in English]. T. S. Kirillova, E. D. Pavlovskaya. Astron. zhur. 40 no. 1:131-139 Ja-F '63.

STARS—SPECTRA

- Characteristics of the red part of spectrum of S stars. M. V. Dolidze. Astron. tsir. no. 224:15-16 Ag '61.
N III recombination spectrum of stars and nebulae. Part 7: Determining the decrement of N III lines linked with the levels of $1s^2 2s^2 n l$ configurations in the spectra of planetary nebulae [with summary in English]. A. A. Nikitina. Vest. LGU 10 no. 1:124-144 '63.

STARS, DOUBLE

- Binary and multiple stars. A. N. Deich. Priroda 52 no. 1:61-67 '63.

STARS, DOUBLE—ORBITS

- A method for determining the eccentricity distribution of the orbits of visual binary stars [with summary in English]. B. I. Pesenko. Vest. LGU 10 no. 1:151-155 '63.

STARS, NEW

- Supernova in NGC 4564. Astron. tsir. no. 227:2 F '62.
Wild's supernova. Astron. tsir. no. 225:3 S '61.

STARS, NEW—SPECTRA

- Hypothesis of the evolutionary variation of the spectral index of remnants of a Cassiopeiae A-type supernova [with summary in English]. I. P. Pakovskii. Astron. zhur. 40 no. 1:23-30 Ja-F '63.

STARS, VARIABLE

- Comments on S. A. Zhevakin's article "Common error in the theory of stellar variability" [with summary in English]. J. P. Cox, C. A. Whitney. Astron. zhur. 40 no. 1:184-188 Ja-F '63.
Determining the radius of CC Andromedae. N. L. Magalashvili, I. A. I. Kumsishvili. Astron. tsir. no. 226:7 O '61.
Incorrectness of the simplified criterion of pulsational instability of a star proposed by Cox and Whitney [with summary in English]. S. A. Zhevakin. Astron. zhur. 40 no. 1:180-196 Ja-F '63.
Maxima of HZ Cassiopeiae. I. U. E. Migach. Astron. tsir. no. 227:21-22 F '62.
Minima of VW Cephei. M. Kiperman. Astron. tsir. no. 227:16-17 F '62.
New variable stars in Taurus. G. S. Badalian. Astron. tsir. no. 224:22-25 Ag '61.
Once more on two statistic regularities in the Blazhko effect. I. N. Latyshev. Astron. tsir. no. 226:5-6 O '61.
Period of PP Aquilae. V. P. Tsesevich. Astron. tsir. no. 227:22-23 F '62.
Period of RU Monocerotis. A. E. Prikhod'ko. Astron. tsir. no. 224:29-31 Ag '61.
Period of ZZ Sagittae. P. V. Kal'v. Astron. tsir. no. 225:13-14 S '61.
Seminar on the investigation of pulsating and eclipsing variable stars. M. S. Prolov. Astron. tsir. no. 226:22-23 S '61.
16 noninvestigated variable stars in BV lists. T. G. Nikulina. Astron. tsir. no. 227:17-18 F '62.

STARS, VARIABLE—SPECTRA

- Energy distribution in the spectrum of α Lyrae in absolute units [with summary in English]. A. V. Kharkonov. Izv. Astrofiz. inst. AN Kazakh SSR 15:52-62 '62.

STASOV, VLADIMIR VASIL'EVICH, 1824-1906

- Reading the works of Stasov. O. Markevych. Nauka i zhizn' 12 no. 9:44 S '62.

STATE, THE

- Kurbatova, G. I. [V. I. Lenin's book "The state and the revolution." O knizhe V. I. Lenina "Gosudarstvo i revoliutsiia." Moskva, Gospolitizdat, 1962. 70 p. (Konsultatsii po istorii KPSS)]

STATE FARMS

- (see also subdivision under Dnepropetrovsk Province; Kamchatka; Kokchetav Province; Moscow Province; Uzbekistan; White Russia)

- Kon'kov, V. L., and L. V. Ljutikov. [How to organize work of the trade-union committee on a state farm] Kak organizovat' rabotu profsoiuznogo komiteta v sovkhoze. [Moskva] Profizdat, 1962. 53 p. (Biblioteka sel'skogo profsoiuznogo aktivista, no. 5)

- Panova, E. A. [The rights of workers' committees on state farms] Prava rabochikh komitetov sovkhozov. [Moskva] Profizdat, 1962. 53 p. (Biblioteka sel'skogo profsoiuznogo aktivista, no. 9)

- Radushkevich, D. E. [Trade-union work on state farms] Profsoiuznaya rabota v otdelenii sovkhoza. [Moskva] Profizdat, 1961. 44 p. (CLU)

STATE FARMS—ACCOUNTING

- With love toward work. A. L. Vanagas. Uchet i fin. v kolhoz, i sovkhoz. 19 no. 5:24-28 My '62.

STATE FARMS—COSTS

- Scientific basis of calculating costs of agricultural production on state farms. I. M. Prokof'ev. Dokl. TSKHA no. 75:19-30 '62.

STATE FARMS—FINANCE

- New system of distributing the state farm profit. N. Chistiakov. Fin. SSSR 23 no. 12:43-45 D '62.
Novikov, I. A. [Financial organization on state farms] Organizatsiia finansov v sovkhozhakh. Moskva, Gosfinizdat, 1962. 118 p.

- State farm income and its distribution. V. Semenov. Ekon. sel'khoz. 34 no. 1:101-110 Ja '63.
Unused potentials of a state farm. N. Kh. Shafikov. Uchet i fin. v kolhoz, i sovkhoz. 19 no. 5:37-39 My '62.

STATE FARMS—MANAGEMENT

- (see also subdivision under Leningrad region; Moscow Province; Nikolayev Province; Tselinograd Province)
A long-range plan for developing state farm production. G. M. Loza. Dokl. TSKHA no. 50:81-95 '60.
There is a need of methodological aid for economists. T. Rudina. Ekon. sel'khoz. 34 no. 1:111-112 Ja '63.
Viktor Bychkov's arithmetic. I. U. Popov. Komsom. zhizn' no. 14:9-12 Ji '62.

STATE FARMS—OFFICIALS AND EMPLOYEES see subdivision under Virgin Territory

STATES, NEW

- Contribution to the study of national democratic states. P. V. Iova. Uch. zap. Rov. gos. ped. inst. 6:3-23 '61.
The most important problem facing the peoples of recently liberated countries. V. Gavriluk. Komm. Bel. 36 no. 12:63-69 D '62.
New states on the world map. Komm. Bel. 36 no. 11:61-62 N '62.

STATES, NEW—CITIZENSHIP

- The problem of citizenship in the postwar constitutions of bourgeois countries. S. I. Rusinova. Izv. vyz. ucheb. zav. prav. 0 no. 4:45-57 '62.

STATES, NEW—MARITIME LAW

- Maritime codes of the new states of Africa. Inform. sbor. TSNIMF no. 82. Mor. pravo i prak. no. 18:89-91 '62.

STATIC FREQUENCY CHANGERS see Frequency multipliers

STATISTICAL MECHANICS

- Extending the spin wave method to finite temperatures. S. V. Tshibikov, E. N. Iakovlev. Fiz. tver. tela 5 no. 1:137-141 Ja '63.
Some problems in the electron theory of metals. Part 2: Statistical mechanics and the thermodynamics of electrons in metals. I. M. Lifshits, M. I. Kaganov. Usp. fiz. nauk 78 no. 3:411-461 N '62.

STATISTICS

- Newspaper work and statistics. A. Friman. Sov. pech. no. 12:9-12 D '62.
Statistical problems discussed in newspapers and journals. Vest. stat. no. 12:74-75 '62.
Uralis, B. TS. [General theory of statistics] Obshchaya teoriia statistiki; kurs lektsii. Moskva, Gosstatizdat, 1962. 496 p.

STATISTICS—BIBLIOGRAPHY see Bibliography—Statistics

STAVROPOL GOVERNMENT—REVOLUTION, 1917-1921

- Struggle for the establishment and consolidation of the Soviet regime in the Stavropol government. M. P. Petrova. Uch. zap. Orekh. -Zuev. ped. inst. 12:93-115 '63.

STAVROPOL GOVERNMENT—REVOLUTION, 1917-1921—FOOD QUESTION

- How the Stavropol Government Bolsheviks struggled for bread. M. P. Petrova. Uch. zap. Orekh. -Zuev. ped. inst. 12:117-142 '63.

STAVROPOL TERRITORY—AGRICULTURAL ADMINISTRATION

- We have talked with the personnel of regional agricultural administrations and local soviets in Stavropol Territory. Sov. deput. trud. no. 6:9-14 Je '62.

STAVROPOL TERRITORY—COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES

- Reduction of overhead expenditures is a means for reducing costs. I. Bulochnikova. Ekon. sel'khoz. 34 no. 1:81-86 Ja '63.

STAVROPOL TERRITORY—COOPERATIVE SOCIETIES

- Beginning of a great undertaking. M. Goremykin. Sov. putreb. koop. 5 no. 12:13-15 D '62.

STAVROPOL TERRITORY—FLOUR MILLS

- Fulfill the seven-year plan in six years. M. Kashkarevich. Mulk. -elev. prom. 25 no. 10:3 O '62.

STAVROPOL TERRITORY—IRRIGATION

- [Vsesoiuznoe obshchestvo izobretatelei i racionalizatorov pri upravlenii "Stavropol'skoi." [Irrigation construction] Iz opyta irrigatsionnogo stroitel'stva. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1961. 18 p. [MICROFILM]

STAVROPOL TERRITORY—PLANTS, PROTECTION OF

- Timely signalization as a guaranty of success in plant protection. A. A. Sebel'nikova. Zashch. rast. ot vred. ibol. 5 no. 11:45-46 N '60.

STAVROPOL TERRITORY—PLANT QUARANTINE

- From the practices of plant quarantine in Stavropol Territory. P. A. Solov'ev. Zashch. rast. ot vred. i bol. 4 no. 5:44-45 S-O '62.

STAVROPOL TERRITORY—RAGWEED

- Ten day's work of controlling ragweed in Stavropol Territory. T. I. Uel'skii. Zashch. rast. ot vred. i bol. 5 no. 7:11-12 Ji '60.

STAVROPOL TERRITORY—STOCK AND STOCK-BREEDING

- Hidden potentialities for increasing labor productivity in stockbreeding on the collective farms of Stavropol Territory. E. Gubanova. Ekon. sel'khoz. 33 no. 12:83-91 D '62.

STEAM

- Study of the hydrodynamics of water volume and separation characteristics of steam volume with presence of bubbling. M. D. Panasenko. I. U. V. Kozlov. Teplo-energetika 10 no. 1:46-51 Ja '63.

STEAM—THERMAL PROPERTIES

- Heat emission during the condensation of drops of water vapor. V. I. Isachenko. Teploenergetika 9 no. 12:54-56 D '62.

- Steam condensation from a steam and air mixture in vertical canals. V. A. Rachko. Energomashinoostroenie 8 no. 11:24-28 N '62.

STEAM BOILERS see Boilers

STEAM BOILERS, MARINE see Boilers, Marine

STEAM TURBINES

- Concerning I. Z. Kopp's article "Determination of an efficient design of the flanged joints of steam turbine frames." G. A. Meshli. Energomashinoostroenie 8 no. 11:43 N '62.

- A coordinating conference on the study of the low-pressure stages of steam turbines. B. V. Egorov. Energomashinoostroenie 8 no. 11:36 N '62.

- Determination of the parameters of state of water and water vapor using the "Ural-1" digital computer. A. A. Pulagin, A. S. Fainshtein, G. P. Kirilukhina. Teploenergetika 10 no. 1:76-84 Ja '63.

- Features of using boiler-turbine blocks with intermediate steam superheating. V. K. Bogdanov. Energomashinoostroenie 8 no. 11:6-10 N '62.

- A fully mechanized department for manufacturing welded diaphragms. B. A. Bol'shakov, L. S. Segal. Energomashinoostroenie 8 no. 11:31-33 N '62.

- Overloading of steam turbines. A. V. Levin, K. A. Spiridonov. Elek. sta. 33 no. 10:26-28 O '62.

- Reply to G. A. Meshli's remarks. I. Z. Kopp. Energomashinoostroenie 8 no. 11:43 N '62.

- A review of articles on steam and gas turbines published in Soviet periodicals. Teploenergetika 10 no. 1:94-95 Ja '63.

- Silica deposits in steam turbine indicators. I. U. V. Zonkeovich, B. G. Dement'ev. Elek. sta. 33 no. 10:29-33 O '62.

- Start of steam turbines. B. L. Levechenko. Energomashinoostroenie 8 no. 12:44-46 D '62.

- Study of reversible control diaphragms of the heat take-off of 25 - 100 Mw. turbines. M. E. Detoh, A. G. Shestakman. Teploenergetika 10 no. 1:14-21 Ja '63.

- Study of the dynamics of a boiler and turbine block. N. A. Zaslavskaya. Izv. AN Kazakh SSR. Ser. energ. no. 2:28-38 '62.

- Use of turbine condensers in the capacity of principal boilers. I. I. Abellovich. Elek. sta. 33 no. 10:80-81 O '62.

- STEAM TURBINES—BIBLIOGRAPHY** see Bibliography—Steam turbines
- STEAM TURBINES—WELDING**
Welding of cracks in the cylinder of the AK-50 turbine. IU, M. Gofman. *Energetik* 10 no. 12:14 D '62.
- STEAM TURBINES, MARINE**
Efficient type of intermediate, steam-heated superheater. V. A. Seineka. *Trudy TSNIMF* 8 no. 42:3-23 '62.
- STEAM TURBINES, MARINE—ELECTROMECHANICAL ANALOGIES**
Modeling marine steam turbines for the investigation of full-scale control systems. M. I. A. Lekakh. *Trudy TSNIMF* 8 no. 44:50-57 '62.
- STEAMBOATS—HEATING AND VENTILATION**
Testing ventilating arrangements of the engine and boiler room on the steamship "Leninskij Komsomol." L. G. Sobolev. *Trudy TSNIMF* 8 no. 42:44-47 '62.
- STEAMPIPES**
Brittle breakdown of pipes in electric power plants with high-pressure parameters. I. N. Lagutsov, T. T. Grebennikova, N. D. Kurnosova. *Elek. sta.* 33 no. 10:33-35 O '62.
Design of a through-type shut-off valve with a back sealing rod. I. G. Kutsak. *Energomashinostroenie* 8 no. 12:37 D '62.
Safety factor and choice of permissible stresses in the calculation of boiler pipes. M. V. Fridmanov, K. A. Lanskaya. *Teplotekhnika* 10 no. 4:61-64 Ja '63.
Wear of pipes of a feed-water economizer caused by the cinders of Estonian shale. I. E. Dubovskii, M. V. Patronova. *Energomashinostroenie* 8 no. 12:13-17 D '62.
- STEEL**
Study of the dependence of the toughness of 12KhMF steel on its microstructure. E. I. A. Vekaler. *Elek. sta.* 33 no. 10:35-37 O '62.
- STEEL—ANALYSIS**
Effect of arsenic and phosphorus on the properties of 08kp steel for deep drawing. D. A. Litvinenko. *Stal'* 22 no. 12:1103-1115 D '62.
Effect of chromium, nickel, and copper impurities on the mechanical properties and weldability of 15L-25L steel. V. I. Klementov, N. N. In'shakov. *Svar. proizv.* no. 7:8-11 JI '62.
Vanadium and niobium carbides in steel. A. M. Helikov, A. A. Savinskaya. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl.* no. 8:67-72 N-D '62.
- STEEL—BRITTLENESS**
Effect of nickel on the cold brittleness of steel. E. I. A. Goldshtein, G. A. Cherusnikova. *Metalloved. i term. obr. met.* no. 12:12-15 D '62.
Effect of phosphorus on the temper brittleness of steel. V. N. Svecnikov, S. S. Golubev. *Izv. vys. ucheb. zav.; Chern. met.* 5 no. 12:117-119 '62.
- STEEL—COLD WORKING**
Anisotropy of the mechanical properties of 08 steel depending on the direction of working and the temperature of recrystallization. D. I. Makeev. *Shor. Inst. stali i splav.* no. 40:200-209 '62.
Effect of the working direction on the recrystallization process of 08 steel. I. M. Pavlov, D. I. Makeev. *Shor. Inst. stali i splav.* no. 40:191-199 '62.
- STEEL—ELECTROMETALLURGY**
Effect of pressure in a steel alloy products. S. S. Goralski, U. M. Vainblat, E. A. Malysheva. *Metalloved. i term. obr. met.* no. 12:49-50 D '62.
Electrolytic boron saturation in boron anhydride. N. N. Nogtev, I. M. Hagom. *Metalloved. i term. obr. met.* no. 12:49-50 D '62.
- STEEL—FATIGUE**
Increasing fatigue resistance by electrolytic plating with an iron-nickel alloy. Sh. A. Nedeshan and others. *Metalloved. i term. obr. met.* no. 12:37-40 D '62.
- STEEL—HARDENING**
Effect of certain factors on the hardenability of ShKh15 steel. N. N. Kachanov. *Metalloved. i term. obr. met.* no. 12:15-20 D '62.
- STEEL—HEAT TREATMENT**
(see also subdivision under Ukraine)
Heat treatment of crane wheels. M. A. Tylkin and others. *Mashinostroenie* no. 5:57-60 S-O '62.
Investigating air-rolled railroad wheels and ways to improve their operational durability. D. S. Kazarnovskii, N. A. Vekser. *Stal'* 22 no. 12:1116-1117 D '62.
Kinetics of recrystallization of electrical steel during its annealing. V. E. Kochmov, V. I. A. Goldshtein. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl.* no. 6:81-85 N-D '62.
- STEEL—HYDROGEN CONTENT**
Effect of the composition of a fluidized bed on the content of hydrogen in steel. V. I. Bapizanskii, B. A. Baum, G. S. Ershov. *Stal'* 22 no. 12:1084-1086 D '62.
Residual first-order stresses and variations in the lattice constant in steel due to electrolytic hydrogen absorption. M. M. Shved. *Vop. mekh. real. i tver. tela* no. 1:140-142 '62.
- STEEL—INCLUSIONS**
Nitride inclusions in low-carbon, high-chromium steel. IU, T. Lukashevich-Duvanova, V. A. Urazova. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl.* no. 6:73-80 N-D '62.
- STEEL—MAGNETIC PROPERTIES**
Structure of cold-rolled transformer steel. N. M. Lapotshkin and others. *Metalloved. i term. obr. met.* no. 12:26-29 D '62.
- STEEL—METALLOGRAPHY**
Domain and dislocation structures in transformer steel. I. N. Golikov, B. V. Molotilov. *Metalloved. i term. obr. met.* no. 12:21-23 D '62.
Effect of the deformation temperature on austenitic steel phase constitution. V. I. Grigorin. *Izv. vys. ucheb. zav.; Chern. met.* 5 no. 12:110-116 '62.
Effect of the state of a solid solution on the kinetics of the coagulation process and dispersion of the carbide phase in steels. V. I. Paarev, O. I. Korobii. *Izv. vys. ucheb. zav.; Chern. met.* 5 no. 12:103-109 '62.
- STEEL—METALLURGY**
(see also subdivision under Ukraine; United States)
Converter steel. V. Zhyhulin. *Nauka i zhyttia* 12 no. 9:12-13 S '62.
Effect of chromium and nickel on the ductility of steel. A. P. Gullae. *Metalloved. i term. obr. met.* no. 12:2-6 D '62.
Improving the procedure for making transformer steel. V. S. Galan and others. *Metallurg* 8 no. 1:13-14 Ja '63.
Making 35GS steel in oxygen-blown converters. P. S. Rubinskii, I. I. Entin. *Met. i gornorud. prom.* no. 5:73-75 S-O '62.
New materials in ferrous metallurgy. D. A. Smoliarenko, A. I. Boshkareva. *Metalloved. i term. obr. met.* no. 12:50-53 D '62.
New methods for the production of iron and steel (from "Stahl und Eisen," no. 22, 1961; "Iron and Steel Engineer," no. 36, 1959). A. A. Shitova. *Met. i gornorud. prom.* no. 5:88-89 S-O '62.
New methods of accelerating the smelting of steel at the Zaporozhstal' and Krivoy Rog "Lenin" Plants. *Met. i gornorud. prom.* no. 5:86-87 S-O '62.
Oxygen converters are the future of metallurgy. A. Leskov. *NTO* 4 no. 11:31-33 N '62.
SKhL steel deoxidized by an increased amount of titanium. G. V. Kviatkovskaya. *Stal'* 22 no. 12:1121-1122 D '62.
Second plenum of the Scientific Technological Society for Ferrous Metallurgy. A. Novikov. *Metallurg* 8 no. 1:34-35 Ja '63.
Uninterrupted teeming of steel. O. Shatahin, N. Sukman'ska, K. Murzov. *Nauka i zhyttia* 12 no. 9:14-15 S '62.
- STEEL—TESTING**
Testing 14GN steel for thermal strengthening and weldability. E. M. Kuzmak and others. *Stroitel'stvo, 7* no. 12:13-14 D '62.
- STEEL—WELDING**
Effect of zinc coating on the quality of joints made by arc welding. A. Brodskii, V. Ignat'ev. *Zhil. stroi.* no. 10:22-24 '62.
Method of joining aluminum with steel. F. I. Razdui, V. P. Stelov. *Svar. proizv.* no. 7:12-15 JI '62.
Testing the susceptibility of welded joints to brittle failure. T. A. Vladimirovskii. *Svar. proizv.* no. 7:39-41 JI '62.
- STEEL, STAINLESS**
Warm rolling of E100 stainless steel. A. V. Krupin and others. *Shor. Inst. stali i splav.* no. 40:138-151 '62.
- STEEL, STAINLESS—CORROSION**
Apparatus for bending samples during testing of intercrystalline corrosion. A. K. Kasparian, V. M. Popov. *Zav. lab.* 28 no. 12:1522-1523 '62.
Mechanism of the pitting corrosion of stainless steels. I. L. Rozenfeld, I. S. Danilov. *Dokl. AN SSSR* 147 no. 8:1417-1419 D '62.
Passivity and intercrystalline corrosion of stainless steel in nitric acid [with summary in English]. I. K. Burtseva, V. D. Pliashinov, A. I. Krasil'shchikov. *Zhur. fiz. khim.* 36 no. 12:2687-2692 D '62.
- STEEL, STRUCTURAL**
Cold-rolled sheets with increased drawing characteristics. D. A. Litvinenko, I. B. Driashin, V. M. Chirkun. *Avt. prom.* 29 no. 1:32-33 Ja '63.
Effect of geometrical defects in assembly on the redistribution of internal forces in the steel frame of a cooling tower. A. S. Saulin. *Prdm. stroi.* no. 10:54 '62.
Increasing the durability of metal elements. N. S. Sirel'skii. *Izv. ASIA* 4 no. 4:73-88 '62.
Standards for designing steel elements strengthened under loading. V. M. Kolesnikov. *Prdm. stroi.* no. 10:46-50 '62.
- STEEL, STRUCTURAL—TESTING**
Search for a nickel-free structural steel. M. P. Braun and others. *Izv. vys. ucheb. zav.; Chern. met.* 5 no. 12:125-130 '62.
- STEEL BARS**
Ferromagnetic probe detection of fine surface cracks in steel rods and pipes. N. N. Zatselin. *Zav. lab.* 28 no. 12:1465-1466 '62.
- STEEL CASTINGS**
Convertible temper brittleness in chromium-silicon-manganese steel castings. M. P. Braun, G. I. Krukovskaya. *Mashinostroenie* no. 5:54-57 S-O '62.
Improving steel smelting processes for shaped castings. B. Kh. Khan, E. D. Taranov. *Mashinostroenie* no. 4:44-47 S-O '62.
- STEEL CASTINGS—WELDING**
Effect of chromium, nickel, and copper impurities on the mechanical properties and weldability of 15L-25L steel. V. I. Klementov, N. N. In'shakov. *Svar. proizv.* no. 7:8-11 JI '62.
- STEEL INDUSTRY**
(see also subdivision under Kremikovtsi, Bulgaria; Magnitogorsk; United States; Zaporozh'ye Province)
"Secondary power utilization in ferrous metallurgy" by N. S. Kalita. Reviewed by M. Tereshchenko, M. Shapovalov. *Ekon. Rad. Ukr.* no. 6:130-131 N-D '62.
- STEEL INDUSTRY—AUDITING AND INSPECTION** see subdivision under Lipetsk
- STEEL INDUSTRY—COSTS**
Potentialities of cost reduction of the production of metallurgical plants. S. V. Lazarev, A. N. Borodavkin, E. A. Drozhin. *Stal'* 22 no. 12:1124-1128 D '62.
- STEEL INDUSTRY—HYGIENIC ASPECTS** see subdivision under Sverdlovsk Province
- STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS**
Second youth of metallurgy. L. Lifshits. *Sem'ia i shkola* 17 no. 12:38-40 D '62.
When a metallurgist dreams. I. I. Medvedev. *Znan. sila* 37 no. 11:22-25 N '62.
- STEEL INGOTS**
Improving the surface of chromium-nickel-molybdenum steel sheet ingots. E. V. Abramov and others. *Stal'* 22 no. 12:1086 D '62.
Peculiarities of rolling rimmed steel ingots on a forge blooming mill. N. A. Chelyshev. *Izv. vys. ucheb. zav.; Chern. met.* 5 no. 12:74-80 '62.
"Steel pourer" by D. A. Smoliarenko. Reviewed by P. Semenenko and others. *Metallurg* 8 no. 1:39-40 Ja '63.
Top pouring of steel under slag. V. A. Efimov and others. *Stal'* 22 no. 12:1074-1078 D '62.
Use of graphite as packing material in the bottom pouring of killed steel. Report no. 1. V. I. Lapitskii and others. *Izv. vys. ucheb. zav.; Chern. met.* 5 no. 12:56-60 '62.
- STEEL INGOTS—DEFECTS**
Quality of the fusion of closed shrinkage cavities in killed steel ingots. A. V. Vishniakov and others. *Stal'* 22 no. 12:1118-1120 D '62.
- STEEL INGOTS—TRANSPORTATION**
New diagrams of high productivity ingot feed. E. N. Berezin. *Trudy Ural. politekh. inst.* no. 119:16-21 '62.
- STEEL PIPE** see Pipe, Steel
- STEELWORKS** see Iron and steel plants
- STEL'MAKH, MYKHAILO PANASOVYCH, 1912-**
Bohuts'kyl, M. K., comp. [About Mykhailo Stel'makh; literary criticism] *Pro Mykhaila Stel'makh; literaturno-krytychni statii*. Kyiv, Radians'kyl pys'mennyk, 1962, 267 p. (MH)
- STEPANAVAN DISTRICT—SHEEP BREEDING**
Results of studying the productive qualities of French Merino and Boz crosses in Stepanavan District [in Armenian with summary in Russian]. M. G. Karamian, G. G. Gogantian. *Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR* 5 no. 8/10:139-148 '62.
- STEPANENKO, MIKHAIL GEORGIEVICH, 1896-1962**
Mikhail Georgievich Stepanenko; obituary. *Slek. i ker.* 19 no. 12:42 D '62.
- STEPANOV, IVAN MIKHAILOVICH**
Ivan Mikhailovich Stepanov; obituary. *Energomashinostroenie* 8 no. 12:43 D '62.
- STEEPES** see subdivision under Angara Valley
- STERCULIA** see subdivision under Georgia
- STEREOCHEMISTRY**
Stereospecificity of the dehydration of 3-pentanol on acid-type catalysis. L. K. Freidlin, V. Z. Sharf, Z. T. Tukhtamurov. *Neftekhimtia* 2 no. 5:730-734 S-O '62.
Transformed steroids. Report No. 2; Synthesis and stereochemistry of C₆ and C₂₁-fluorinated steroids. A. A. Akhrem, I. G. Reshetova. *Izv. AN SSSR, Otd. khim. nauk* no. 1:115-124 '63.

STEREOPHONIC SOUND SYSTEMS

A simple stereophonic radio-phonograph combination. V. Elatontsev. Radio no. 1:46-48 Ja '63.

STERIC HINDRANCE

Sterically hindered phenols. Report No. 10; Oxidation of phenols by lead tetraacetate. G. N. Bogdanov, V. V. Ershov. Izv. AN SSSR, Otd. khim. nauk no. 12:2145-2150 D '62.

Sterically hindered phenols. Report No. 11; Action of bromine on 2,6-dialkyl-4-ethylphenols. V. V. Ershov, A. A. Volod'kin. Izv. AN SSSR, Otd. khim. nauk no. 12:2150-2154 D '62.

Sterically hindered phenols. Report No. 12; Dibromodialkylcyclohexadienones. A. A. Volod'kin, V. V. Ershov. Izv. AN SSSR, Otd. khim. nauk no. 1:152-157 '63.

Sterically hindered phenols. Report No. 13; Reaction of 2,6-di-tert-butylbenzoquinone with organomagnesium compounds. V. V. Ershov, G. N. Bogdanov, A. A. Volod'kin. Izv. AN SSSR, Otd. khim. nauk no. 1:157-161 '63.

STERILITY

Selective modification of sterility produced by dimethyl phosphate and other compounds. I. A. Rapoport. Dokl. AN SSSR 147 no. 4:943-946 D '62.

STERILITY IN PLANTS

Formation of sterile pollen in the tomato plant. L. I. Orul. Dokl. AN SSSR 147 no. 6:1495-1498 D '62.

STERIODS

Dynamics of the content of 17-ketosteroids in the urine compound treatment of acute leukoses in children. G. P. Sultanova, K. A. Sogrina, G. P. Popova. Vop. okh. mat. i det. 7 no. 9:24-27 S '62.

Transformed steroids. Report No. 2; Synthesis and stereochemistry of C₆- and C₂₁-fluorinated steroids. A. A. Akhrem, I. G. Reshetova. Izv. AN SSSR, Otd. khim. nauk no. 1:115-124 '63.

STIBINE

Compounds of trialkoxystibines with organic bases. O. D. Dubrovina. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:756-758 '62.

Diphenylstibine. A. N. Nesmelanov, A. E. Borisov, N. V. Novikova. Izv. AN SSSR, Otd. khim. nauk no. 1:104 '63.

STILBENE—SPECTRA

Absorption and luminescence spectra of stilbene and toluene in frozen crystalline solutions at 77°K. G. V. Golov. Izv. AN SSSR, Ser. fiz. 27 no. 1:11-14 Ja '63.

STOCK AND STOCKBREEDING

(see also subdivision under Gur'yev Province; Kabask Autonomous Province; Maloyaroslavets District; Polesye; Stavropol Territory; Turgu-Mures Province; United States; Yakutia; Zhilkovichi District)

[Agriculture abroad: Animal husbandry] Sel', khoz. za rub.: Zhivotnovodstvo 8 no. 12 '62.

(DNAL)

Antibiotics in animal husbandry. M. Levitskiy. Nauka i zhytlin 12 no. 10:42 O '62.

Ertsman, Kh. A. [Selected works] Izbrannye sochineniya. Erevan, Izd-vo Glav. upr. sel'khoz. nauk MSKh, 1960. 333 p.

(DNAL)

Tissue preparations in stockbreeding. H. Bondarenko. Nauka i zhytlin 12 no. 9:49-50 S '62.

STOCK AND STOCKBREEDING—CONGRESSES

Scientific conference on problems of the development of stockbreeding. L. Filina. Vest. sel'khoz. nauk 7 no. 5:156-158 My '62.

STOCK AND STOCKBREEDING—FEEDING AND FEEDS

Pakhuchii, V. M. [Model feed rations for cattle, swine, and sheep] Primerneye ratsiony kormleniya krupnogo rogatogo skota, sviney i ovets. [Khar'kov] Khar'kovskoe obl. izd-vo, 1957. 120 p.

(DNAL)

STOCK EXCHANGE

Stock exchange after the Second World War. A. Anikin. Den. i kred. 20 no. 12:79-88 D '62.

STOCKHOLM—MUSIC FESTIVALS

Letter from Stockholm. M. Stempel'. Sov. muz. 26 no. 12:130-131 D '62.

STOMACH

Character of the aftereffect from the prolonged feeding of thyroid gland on the evacuatory function of the stomach [with summary in English]. N. G. Lesnoi. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:93-99 '61.

Effect of ACTH on the evacuatory function of the stomach in dogs with experimental diabetes mellitus [with summary in English]. N. G. Lesnoi. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:202-209 '61.

STOMATOLOGY see subdivision under Minsk

STONE

Using "synthetic" stone casting to protect equipment from abrasive wear. V. V. Chernyashov. Sbor. trud. NIIZHelezhobetona no. 7:141-154 '62.

STONE—TESTING

Development of rapid methods of determining the strength of stone, crushed stone and gravel. N. K. Timchenko, T. V. Kalashnikova, M. L. Nisnevich. Sbor. trud. NIIZHelezhobetona no. 7:97-124 '62.

STONE, CRUSHED

Principles for the design of technological processes of producing crushed stone from rock which is nonhomogeneous as to strength. I. B. Shlain. Stroim. mat. 8 no. 12:9-12 D '62.

Some problems of the theory of selective crushing. M. L. Nisnevich. Sbor. trud. NIIZHelezhobetona no. 7:125-140 '62.

STONE, CRUSHED—STANDARDS

State standard for structural crushed stone made of gravel. Bial. stroit. tekhn. 19 no. 12:15-17 D '62.

STONE, CRUSHED—TESTING

Rapid method of determining the content of dusty and clayey particles in crushed stone and gravel. M. L. Nisnevich, T. V. Kalashnikova. Stroim. mat. 8 no. 12:13-15 D '62.

Testing crushed stone in the process of inspecting the quality of the output of crushing and grading plants. R. A. Rodin, E. I. Umitskain. Sbor. trud. NIIZHelezhobetona no. 7:71-86 '62.

STONE AGE

(see also subdivision under Geok-Syru Oasis)

Domanski, I. A. V., and A. D. Stolar. [Following the tracks of demons] Po besovym sledam. Leningrad, Izd-vo Gos. Ermitazha, 1962. 245 p. [Epilog in English]

STONE RIVERS see subdivision under Chukchi Peninsula

STONECUTTING—EQUIPMENT AND SUPPLIES

Choosing the design of disk saws of stonecutting machinery. L. A. Ter-Azar'ev, K. S. Vardanian. Stroim. dor. mash. 7 no. 12:24-25 D '62.

Cutters for the mechanical working of abrasive rock. K. B. Shlapin, E. A. Motovilov, I. U. P. Linenko. Transp. stroi. 12 no. 12:46-48 D '62.

STONEFLIES see subdivision under Karelia

STOPING (MINING) see subdivision under Mirgalimsay region

STORAGE BATTERIES

Storage battery circuit with equalization of the operation of terminal elements. I. A. Sidanov, N. P. Simochatov. Energetik 11 no. 1:14-16 Ja '63.

STORAGE BATTERIES—MAINTENANCE AND REPAIR

Use and care of acid storage batteries. N. P. Chertkov. Les. khoz. 15 no. 11:65-67 N '62.

STORE FIXTURES

New types of store fixtures. L. Lavrova. Sov. potreb. koop. 6 no. 11:30-32 N '62.

STORES, RETAIL see subdivision under Moscow

STORES, RETAIL—EQUIPMENT AND SUPPLIES

Equipment made of metal tubes. B. Shafer. Sov. torg. 36 no. 12:53-54 D '62.

STORES, RETAIL—LIGHTING

"Electrical lighting of stores" by D. A. Velikoretskii. Reviewed by D. A. Zil'ber and V. V. Teliat'ev. Sveto-tekhnika 9 no. 1:20-30 Ja '63.

STORES, RETAIL—STATISTICS

Principal data of the simultaneous census of stores in state commerce according to specialization. Vest. stat. no. 12:79-88 '62.

STOVES

(see also subdivision under Czechoslovakia)

Akademii stroitel'stva i arkhitektury SSSR. Institut po stroitel'stva, Rostov-on-Don. [Album of heating furnaces and stoves] Album otopitel'nykh i bytovykh pechey. Moskva, Gosstroizdat, Pt. 2. [Stoves for heating and cooking] Pechi otopitel'no-varochnye, 1962. 88 p.

STOVES, GAS

Contamination of the air in rooms with toxic carbon monoxide. K. N. Pravoverov. Sbor. nauch. rab. AKKII no. 9:51-55 '61.

STRAIGHTENING MACHINES

Pressure on the rollers of straightening machines and the power consumed to straighten large-size shaped sections. M. I. Fedorov. Trudy Ural. politekh. inst. no. 119:46-49 '62.

Straightening of large-size shaped sections on roller straighteners. M. I. Fedorov. Trudy Ural. politekh. inst. no. 119:35-45 '62.

STRAIN GAUGES

Measurement of stresses at high temperatures using self-compensating wire-type resistance gauges. E. S. Zakharov and others. Teploenergetika 10 no. 1:68-70 Ja '63.

STRAINS AND STRESSES

Apparatus for measuring deformation in the process of gradual etching of layers during determination of residual stresses. L. Gribovskii. Zav. lab. 28 no. 12:1515-1517 '62.

Cellulose acetate gels as optically-active elastic material for investigating stresses in models deforming under their own weight [with summary in English]. D. N. Osokina, L. S. Gembitskii. Koll. zhur. 24 no. 6:724-732 N-D '62.

Deformation and stress condition of the metal in the roller expansion of pipe. I. U. F. Shevakin, P. S. Seldaliev. Sbor. inst. stall i splav. no. 40:395-404 '62.

Determination of residual stresses by the method of boring cylindrical cores in layers below the surface. E. V. Prikhod'ko. Zav. lab. 28 no. 12:1478-1482 '62.

Determination of the limit tensile stresses for an elastic plane with two unequal cracks. V. V. Pannasuk, B. L. Lozovoi. Vop. mekh. real' tver. tela no. 1:37-56 '62.

Determining the breaking load for a body weakened by an external circular crack. V. V. Pannasuk. Vop. mekh. real' tver. tela no. 1:63-66 '62.

Determining the critical load for a plate with a crack. V. V. Pannasuk. Vop. mekh. real' tver. tela no. 1:57-62 '62.

Determining the strains in the surfacing of continuous tracks. E. P. Pershin. Puti pul. khoz. 8 no. 11:36-37 '62.

Determining the strains in track raising. S. I. Morozov. Vest. TSNI MPS 21 no. 8:43-45 '62.

Effect of uniform strain on the paramagnetic resonance spectrum. N. G. Koloskova. Fiz. tver. tela 5 no. 1:81-85 Ja '63.

Elastic equilibrium of a homogeneous orthotropic cylindrical beam with a loaded lateral surface. G. M. Khatishvili. Trudy Vych. tsentra AN Gruz. SSR 2:123-142 '62.

Experimental method for finding out design diagrams for complex cases of bending. I. P. Boksherg. Nauch. trudy LTA no. 94:19-22 '62.

Hinge and telescopic method of protection against deformation. V. Ivanov, A. Bulat, E. Simonovich. Stroim. arkh. 10 no. 1:25-27 Ja '62.

Investigating strain conditions in flash-free die operations. B. D. Kopylov, I. A. M. Okrimenko, Kuz.-shtani. proizvod. 4 no. 12:12-16 D '62.

Investigating the strained and deformed state of an elastic laminated half space. K. K. Turoverov. Nauch. trudy LTA no. 94:87-101 '62.

Normal stresses on the cross-cut end of a shearing die. M. Lapidus. Izv. AN Latv. SSR no. 5:51-55 '62.

On the relationship between stresses, moments and strains under complex loading [with summary in English]. T. D. Karimbaev. Vest. Mosk. un. Ser. 3: Mat., mekh. 18 no. 1:48-53 Ja-F '63.

On the two-dimensional problem of plastically anisotropic bodies. M. S. Sarkisyan. PMTI no. 2:150-152 Mr-Ap '62.

Residual first-order stresses and variations in the lattice constant in steel due to electrolytic hydrogen absorption. M. M. Shved. Vop. mekh. real' tver. tela no. 1:140-142 '62.

Residual stresses in very thick laminated seams. V. A. Vinokurov, A. S. Gazarian. Izv. vys. ucheb. zav. mashinostr. no. 7:147-154 '62.

Residual stresses occurring during the building-up of small-diameter cylindrical parts. V. A. Kakevitskii, A. S. Silkin. Mashinostroyeniye no. 5:63-66 S-O '62.

Stress condition characteristics in external zones of the deformation center in rolling. N. A. Chelyashov. Izv. vys. ucheb. zav. chern. met. 5 no. 12:95-102 '62.

Stressed state in semi-infinite areas under the action of concentrated forces. N. S. Kurdin. Inzh. zhur. 2 no. 4:303-311 '62.

Study of the dynamic field of stresses in an elastic half-space near the point of application of a surface load. V. S. Nikiforovskii. PMTI no. 2:85-94 Mr-Ap '62.

Tensions and deformations in a quasi-isotropic elastic body. Nauch. trudy LTA no. 94:23-40 '62.

Using the optical and console methods for investigating the inner stresses of polymer coatings. A. T. Sanzharovskii, N. L. Maslennikova, S. V. Akubovich. Lakokr. mat. i kh. prim. no. 5:30-37 '62.

STRAINS AND STRESSES—MEASUREMENT

Measurement of stresses at high temperatures using self-compensating wire-type resistance gauges. E. S. Zakharov and others. Teploenergetika 10 no. 1:68-70 Ja '63.

Method of optically sensitive layers for measuring deformations on the surface of a part. N. I. Prigorovskii, P. T. Bogdyl'. Probl. prochn. mashinostr. no. 8:5-13 '62.

Optically sensitive inserts in strain-measuring models made of organic glass. A. K. Proles, G. Kh. Khurshidov. Probl. prochn. mashinostr. no. 8:52-55 '62.

STRAKHOV, TIMOFEI DANILOVICH, 1860-

T. D. Strakhov's jubilee. T. V. Arshenko. Zashch. rast. ot vred. trol. 5 no. 6:81 Je '60.

STRASHENY—POLITICS AND GOVERNMENT

Authority of the "council of the elders." M. Lukhanenko. Sov. deput. trud. no. 9:57-59 S '62.

- STRASHENY DISTRICT—DISPENSARIES**
Dispensary services for adolescents. A. I. Paromashchik. *Zdravookhranenie* 5 no. 3:54-56 My-Je '62.
- STRATEGY**
"Limited strategic war" [in English] by Klaus Knorr, Thornton Read. Reviewed by G. Gerasimov. *Mezhdunar. zhizn'* 10 no. 3:138-140 Mr '63.
"Military strategy," edited by Marshal Sokolovskii. Reviewed by V. A. Alafuzov. *Mor. sbor.* 46 no. 1:88-96 Ja '63.
Military strategy. I. A. Gorelik. *V mire knig* 2 no. 11: 4 N '62.
- STRATIGRAPHIC GEOLOGY** see *Geology, Stratigraphic*
- STRATIGRAPHIC PALEONTOLOGY** see *Paleontology, Stratigraphic*
- STRATOSPHERE** see *Atmosphere, Upper*
- STRAVINSKII, IGOR' FEDOROVICH, 1882-**
Evening by Igor' Stravinskii. I. Nest'ov. *Sov. muz.* 28 no. 12:92-95 D '62.
- STRAWBERRIES** see subdivision under *Dnepropetrovsk Province; Moscow Province*
- STRAWBERRIES—VARIETIES** see subdivision under *Zaporozh'ye Province*
- STREAM MEASUREMENTS**
Methodology of determining calculated rates of flow in establishing maximum discharges. I. F. Goroshkov. *Trudy Len. gidromet. inst.* no. 11:152-159 '61.
- STREET-CLEANING MACHINERY** see subdivision under *Moscow*
- STREET LIGHTING**
(see also subdivision under *Moscow*)
Effect of the spectral composition of electric lighting sources on the standardized lighting level of streets and public squares. A. B. Matveev. *Svetotekhnika* 9 no. 1:3-7 Ja '63.
Photoelectric automat for the control of electric street lights. A. Vasylenko, E. Blomkvist. *Nauka i zhytiia* 12 no. 7:55-56 Ji '62.
- STRENGTH OF MATERIALS**
Determining the optimum dimensions of thin-walled bent sinuses for compressed elements. G. G. Balovnev. *Stroil. mekh. i rasch. soor.* 4 no. 6:40-44 '62.
Elastic-plastic waves in iron and steel under explosive loading. A. G. Ivanov, S. A. Novikov, V. A. Sinityn. *Fiz. tver. tela* 5 no. 1:269-278 Ja '63.
Evaporation of zinc from brass at elevated temperatures. G. G. Maksimovich. *Vop. mekh. real. tver. tela* no. 1: 76-79 '62.
Increasing the strength of axles and shafts in the area of boundary cross sections of press and hot fits. V. V. Ivanov. *Vest. TSNi MPS* 21 no. 8:10-24 '62.
Mechanism underlying the breakdown of metals under the action of melts of low-melting metals. M. I. Chaevskii. *Vop. mekh. real. tver. tela* no. 1:80-84 '62.
Softening of deformed alloys of Al-Zn. I. V. Krivusha. *Izv. vys. ucheb. zav. i fiz.* no. 6:52-56 '62.
Strength of glass-base textile after heat treatment [with summary in English]. B. P. Kishkin, I. G. Noskova. *Vest. Mosk. un. Ser. 1: Mat., mekh.* 18 no. 1:46-47 Ja-P '63.
Strength of materials course should not have been canceled. I. A. Radtsig and others. *Vest. vys. shkoly* 20 no. 12:47-48 D '62.
Surface tension and strength of solid metals. E. F. Pichugin. *Izv. vys. ucheb. zav. i fiz.* no. 6:77-81 '62.
Ways to further improve the basic parameters of the margin of reliability of structures. K. E. Tal'. *Izv. ASIA* 4 no. 4:64-72 '62.
- STREPTOMYCIN**
Effect of dicarboxylic acids and some other compounds on the biosynthesis of streptomycin [with summary in English]. V. N. Shaposhnikov, T. B. Kazanskaya, I. G. Orlova. *Izv. AN SSSR, Ser. biol.* no. 6:813-824 N-D '62.
Preservation of tularemia bacteria during streptomycin therapy. K. N. Tokarevich, G. M. Medinskii. *Trudy Len. inst. epid. i mikrobiol.* 20:130-133 '59.
- STRIKES AND LOCKOUTS**
(see also subdivision under *New York, (City); Spain*)
Strikes are spreading across continents. L. Fedorov. *IU. Borko. Sov. profsoiuzy* 19 no. 1:24-25 Ja '63.
- STRIKES AND LOCKOUTS—COAL MINERS** see subdivision under *Kentucky; Spain*
- STRING QUARTET** see subdivision under *Moscow*
- STRIP MINING**
(see also subdivision under *Krivoy Rog Basin; Uchaly region*)
Combined determination of the parameters of systems of strip mining and haulage equipment when using powerful rotary-bucket excavators. I. A. Chernegov. *Nauch. soob. IGID* 14:3-15 '62.
Extraction of useful minerals by strip mining. M. Novozhilov. *Nauka i zhytiia* 12 no. 10:20-21 O '62.
- Me'nikov, N. V., ed.** [Foreign technique of open-pit mining] *Tekhnika otkrytykh gornykh rabot za rubezhom.* Moskva, Gosgortekhzdat, 1962. 379 p.
- Novozhilov, M. G., V. G. Selianin, and A. E. Trop.** [Deep open pits] *Gubokle kar'ery.* Moskva, Gosgortekhzdat, 1962. 275 p.
- Seminar on boring and blasting operations in open-pit mines. B. T. Bakhtin, V. N. Pokhodzilo. *Met. i gornorud. prom.* no. 5:87 S-O '62.
- STRIP MINING—LABOR PRODUCTIVITY** see subdivision under *Komsomol'skoye region (Donetsk Province)*
- STROBOSCOPE**
Determination of critical stroboscopic lighting level. I. Sh. Libin, V. I. Skoblova. *Svetotekhnika* 8 no. 12: 14-16 D '62.
- STRONTIUM—ISOTOPES**
Bremsstrahlung of beta particles of Sr-90 and Y-90 and possibilities of its utilization [with summaries in English, German, and French]. V. S. Eliseev. *Vest. sel'khoz. nauki* 7 no. 10:113-116 O '62.
Concerning Sr90 fallout in the middle latitudes of the U.S.S.R. [with summary in English]. I. A. Poliakov, A. M. Leon'ev, L. K. Melnikov. *Pochvovedenie* no. 11: 45-50 N '62.
- STRONTIUM FLUORIDE CRYSTALS—SPECTRA**
Zeeman effect in the absorption spectrum and luminescence of CaF₂ - Sm³⁺ and SrF₂ - Sm³⁺ crystals. B. P. Zakharchenko, A. I. Ayskin. *Opt. i spektr.* 13 no. 6: 875-877 '62.
- STUDENT ACTIVITIES**
(see also subdivision under *Orenburg Province*)
For the all-round education of students. *Nar. obr.* no. 1: 57 Ja '63.
From camp fires to "beacon light." I. U. Skrylev. *Sem. i ishola* 17 no. 9:14-16 S '62.
History of the schools with longer hours. E. G. Kostinashkin. *Sov. pedagog.* 26 no. 8:95-103 Ag '62.
Motivation of the social activities of schoolchildren. N. I. Vdovina. *Dokl. APN* no. 1:35-38 '62.
Saturday evenings. I. L. Lidina. *Nar. obr.* no. 1:82-86 Ja '63.
- STUDENT COOPERATIVES**
School cooperatives as means of education. Z. Nikitina. *Sov. knizh. torg.* 14 no. 10:26 '62.
- STUDENT EMPLOYMENT**
Fleurish, virgin land! *Komsom. zhizn'* no. 14:27-30 Ji '62.
Replies to our readers. *Sov. profsoiuzy* 18 no. 24:39-40 D '62.
Wages for grade 9-11 secondary school students during their industrial training. V. Raguzov. *Sots. trad* 7 no. 4:142-145 Ap '62.
- STUDENT HOUSING** see subdivision under *Moscow*
- STUDENTS**
(see also subdivision under *Breslau; Chile; Eritvan; Latin America; New Zealand; Venezuela*)
To my friend and contemporary! Aleksandr Parashchuk. *Vsem. stud. nov.* 16 no. 4:2-3 Ap '62.
- STUDENTS—CONGRESSES**
An unquenchable thirst... Georg Sommer. *Vsem. stud. nov.* 16 no. 1:4-5 Ja '62.
What awaits the students at the festival? *Vsem. stud. nov.* 16 no. 1:2-3 Ja '62.
- STUDENTS, FOREIGN** see subdivision under *Moscow*
- STUDENTS, NEPALESE** see subdivision under *Prague*
- STUDENTS, POLISH**
"Polish schools in the U.S.S.R., 1943-1947. Reviewed by E. S. Rubenchik. *Sov. pedagog.* 26 no. 8:147-149 Ag '62.
- STUTTERING** see *Stammering*
- STYLE IN DRESS** see *Fashion*
- STYRENE**
Haloarylation of unsaturated compounds with aromatic diazo compounds. Part 17: Arylation of 4-chlorostyrene and production of toluene. A. V. Dombrovskii, K. G. Tashchuk. *Zhur. ob. khim.* 33 no. 1:165-170 '63.
Polymers on the basis of condensation products of furfural with acetone. Copolymers of difurfurylideneacetone with methyl methacrylate and styrene. I. V. Kamenskii, V. I. Itinskii, A. N. Kuznetsov. *Plast. massy* no. 12:21-22 '62.
Spectral investigation of the interaction between anthracene derivatives and monomers in the process of polymerization. Part 2: Reaction of anthracene with styrene [with summary in English]. A. S. Cherkasov, K. G. Volodina. *Vysokom. soed.* 5 no. 1:79-87 Ja '63.
Synthesis of graft copolymers and study of their properties. Part 2: Sizes, configurations, and optical properties of the macromolecules of methyl methacrylate-styrene graft copolymer [with summary in English]. V. N. TSvetkov and others. *Vysokom. soed.* 5 no. 1: 3-10 Ja '63.
- Thiazolocyanines. Part 10: Cyanine dyes from 2-methyl-4-styryl- and 2-methyl-5-styrylthiazoles. E. D. Syeb, E. D. Smaznina-Iliina. *Zhur. ob. khim.* 33 no. 1:74-79 '63.
- STYRENE, POLYMERS OF**
Manufacturing seamless foam polystyrene insulation. M. V. Alekseev and others. *Mashinostroenie* no. 5:87-89 S-O '62.
- STYRENE POLYMERS**
Aging of polystyrene materials. Light aging of the copolymer of styrene with acrylonitrile and its stabilization against the effect of ultraviolet rays. E. I. Kirillova and others. *Plast. massy* no. 11:3-6 '62.
Concentrated polymer solutions. Part 1: Determination of integral and differential heats of solution and dilution of polyisobutylene and polystyrene (with summary in English). A. A. Tager, A. I. Podlesnink. *Vysokom. soed.* 5 no. 1:87-93 Ja '63.
Industrial hygiene in the production and use of polystyrene. N. I. Shumskaya. *Toks. nov. prom. khim. veshch.* no. 4:52-64 '62.
Kinetics of the block polymerization of styrene. V. V. Utkin, A. N. Levin. *Plast. massy* no. 11:8-9 '62.
- SUBCONSCIOUSNESS**
Bohorlavskii, A. T. [Problem of the unconscious in psychology] *Problema bessoznatel'nogo v psikhologii.* Tbilisi, Akad. nauk Gruzinskoi SSR, 1961. 65 p. (MI)
- SUBMARINE BOATS**
Miles covered. N. Verinchuk. *Sov. voen* 45 no. 1:26-28 Ja '63.
- SUBMARINE CHASERS**
Submarine chasers: from the foreign press. B. Kiselev. *Voen. znan.* 39 no. 1:25-26 Ja '63.
- SUBMARINE WARFARE**
With future submarine officers. I. U. Nikol'skogo. *Voen. znan.* 39 no. 1:11 Ja '63.
- SUBSTITUTION (CHEMISTRY)**
Effect of diazotization on the Raman spectral lines of monosubstituted compounds. K. Venkateswarlu, S. Jagathesan. *Opt. i spektr.* 13 no. 6:778-782 '62.
Kinetics of symmetrization reaction of organomercury salts. Part 5: Effect of halogen substituents in compounds of the type $n = \text{XC}_6\text{H}_4\text{CH}(\text{HgBr})\text{COOC}_2\text{H}_5$ on the rate of symmetrization under the action of ammonia [with summary in English]. O. A. Reutov, I. B. Beletskaya, G. A. Aramkina. *Zhur. fiz. khim.* 36 no. 12: 2582-2588 D '62.
Nitrogen and sulfur atoms as conductors of conjugation in the molecules of isomeric 2-styryl-4-aryltiazole and 2-styryl-5-aryltiazole with polar substituents. E. D. Syeb, L. P. Umanskaya. *Zhur. ob. khim.* 33 no. 1:80-83 '63.
1,5-Diaryl-3-haloformazans. Part 4: Reaction of substituted 1,5-diphenyl-3-chloroformazan with nucleophilic agents. M. O. Lozinskii, P. S. Pel'kis. *Zhur. ob. khim.* 33 no. 1:113-118 '63.
Potential antimetabolites. Part 3: Synthesis of aminonitropyrimidines based on nucleophilic substitution reactions. I. U. P. Shvachkin, M. K. Berestenko, V. Kh. Lapuk. *Zhur. ob. khim.* 32 no. 12:3893-3897 D '62.
Some reactions of di(4-nitrophenyl) carbonate with nucleophilic reagents. E. P. Nesynov, P. S. Pel'kis. *Zhur. ob. khim.* 32 no. 12:4004-4007 D '62.
Substituted arylamides of dithiocarboxylic acids. Part 5: Amides of substituted arylamides of phenylazothiomalic acid. A. D. Grabenko, P. S. Pel'kis, L. N. Kulneva. *Zhur. ob. khim.* 33 no. 1:118-120 '63.
- SUBVERSIVE ACTIVITIES** see subdivision under *France; Guatemala*
- SUBWAYS**
(see also subdivision under *Leningrad*)
New developments in open-air construction of subway stations. G. Molodtsov, E. Barskii. *Stroil. i arkh.* Mosk. 12 no. 1:33-34 Ja '63.
- SUCCINIC ACID**
Use of succinic acid in agriculture. N. A. Drozdov, S. M. Belousov. *Biul. tekhn. i ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform.* no. 12:23-27 '62.
- SUCKER RODS**
Optimum power-supply frequency of inductive converters with solid magnetic circuit. A. A. Ter-Khachaturov. *Izv. vys. ucheb. zav. i fiz.* no. 4:105-109 '62.
- SUDAN—ECONOMIC CONDITIONS**
In the country of the white and blue Nile. Az. i Afr. seg. no. 1:20-21 Ja '63.
- SUDAN—ECONOMIC POLICY**
There where the White Nile joins the Blue. I. U. Rodionov. *Nov. vrem.* 20 no. 8:26-28 F '63.
- SUDOGDA DISTRICT—FARM MECHANIZATION—STUDY AND TEACHING**
A matter of national importance. *Komsom. zhizn'* no. 23:2-4 D '62.

SUGAR—ANALYSIS AND TESTING

Abstracts. G.L. Oshman, Spirt, prom. 28 no. 8:36-37 '62.
Determining sugar content in the manufacture of soft drinks. M. I. Shokhet, M. F. Motuzko. Khar, prom. no. 4:74-75 O-D '62.

SUGAR BEETS

(see also subdivision under Skidel' District; Sumy Province; Zhashkov District)
Effect of growing conditions for sugar beet seed plants on the yield and productivity of seeds. K. N. Kluchun. Vsiyuk sil'hosp. nauky 5 no. 12:34-38 D '62.

"Fundamentals of the biology of sugar beets" by N. I. Orlovskii. Reviewed by A. S. Okanencko, S. P. Sevost'ianov. Vest. sel'khoz. nauk 7 no. 10:143-144 O '62.
Mel'ntchenko, V. P., I. B. Granovskii, and A. A. Datsenko. [Over-all mechanization of sugar-beet growing and harvesting] Kompleksnaya mekhanizatsiya vozdel'yvaniya i uborki sakharnoi svekly. Moskva, Proftekhizdat, 1962, 51 p.
(DNAL)

Physical and mechanical characteristics of sugar beet seed plants. S. V. Hilevych. Vsiyuk sil'hosp. nauky 5 no. 12:25-27 D '62.

Svillchnyi, V. A., and others. [Over-all mechanization of sugar-beet growing and harvesting] Kompleksnaya mekhanizatsiya vozdel'yvaniya i uborki sakharnoi svekly. Moskva, Proftekhizdat, 1962, 76 p.
(DNAL)

SUGAR BEETS—CLEANING

New system for cleaning sugar beets from impurities. V. N. Shegolev. Khar, prom. no. 4:30-33 O-D '62.

SUGAR BEETS—DISEASES AND PESTS

(see also subdivision under Kalach District; Smela District; Ukraine)
Method for controlling the sugar beet nematode. B. I. Kulchitskii. Zashch. rast. ot vred. i bol. 4 no. 5:27 S-O '60.
Sugar beet rust. V. A. Agarkov. Zashch. rast. ot vred. i bol. 8 no. 11:36-38 N '60.
Yellow wilt of sugar beets. K. S. Sukhov, G. M. Razvazkina. Zashch. rast. ot vred. i bol. 2 no. 6:55 N-D '62.

SUGAR BEETS—FERTILIZERS AND MANURES

(see also subdivision under Chu Valley)
Effect of supplementary fertilizing with sugar mill slime on the yield and sugar content of sugar beets. N. A. Surkov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:61-65 '62.

SUGAR BEETS AS FEED see subdivision under Polesye

SUGAR IN THE BODY

Change in the sugar content of the blood and cerebrospinal fluid during listerellosis. A. A. Annagiev. Trudy Azer. nauch. -issl. vet. inst. 13:85-87 '62.
Some indices of metabolism in the liver tissues and blood of cattle in case of a sugar excess. S. I. Kusen', I. H. Pupin. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zekh. raioniv. URSR 14 no. 4:75-80 '61.

SUGAR INDUSTRY—BY-PRODUCTS

Effect of supplementary fertilizing with sugar mill slime on the yield and sugar content of sugar beets. N. A. Surkov. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:61-65 '62.

SUGAR INDUSTRY—EQUIPMENT AND SUPPLIES

Pneumatic conveying of defecation and saturation residues. V. O. Bondarenko, V. M. Polovko. Khar, prom. no. 4:82 O-D '62.
Use of hydrocyclones in the sugar industry. V. A. Zambravskiy. Khar, prom. no. 4:17-23 O-D '63.

SUGAR MANUFACTURE

Eremenko, B. A., and others. [Measurement and control of hydrogen ion concentration (pH) in the products of sugar manufacture] Izmereniye i regulirovaniye kontsentratsii vodorodnykh ionov (pH) v produktakh sakharного proizvodstva. Kiev, TSentr. nauchno-issl. in-t sakharnoi promyshl., 1959, 45 p.
(MICROFILM)

Production instruction in secondary schools. A. G. Shekoldin. Sov. pedagog. 26 no. 8:56-62 Ag '62.
Ways to lower the cost of building sugar refineries. F. Pashkovskii, I. Titarenko, K. Dekhtareva. Prom. stroit. i inzh. soor. 4 no. 5:38-42 S-O '62.

SUGARS

Dynamics of amino acids and different sugars in woody plants of various winter hardiness. I. V. Borzakiv'ska. Vsiyuk Bot. sada AN URSR no. 4:51-57 '62.
Sugar content of tissues of the apple tree and planting dates [with summaries in English, German, and French]. V. K. Gramolin. Vest. sel'khoz. nauk 7 no. 11:132-134 N '62.

SUGGESTION SYSTEMS see subdivision under Leningorsk

SUKHOVO-KOBYLIN, ALEKSANDR VASIL'EVICH, 1917-1903

The truth about Sukhovo-Kobylin. G. Aleksandrov. Sots. zakon. 39 no. 12:68-73 D '62.

SUKHUMI—ORANGE BREEDING

Navel orange breeding [with summary in English]. N. I. Maisuradze. Subtrop. kul't. no. 1:51-57 '62.

SULFANILAMIDES

Sulfanilamide hypoglycemic preparations (nadians, oranil, butamide and others) in the therapy of diabetes mellitus. T. S. Grinchenko. Trudy Ukr. nauch. -issl. inst. eksper. endok. 16:366-368 '61.

SULFATES

Mass-transfer coefficient in the electrolysis of aqueous solutions of CuSO₄ and ZnSO₄ calculated from the refractographic method data. E. I. Grabova. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:743-748 '62.
Rapid EDTA method of determining the content of the sulfate ion in potash. A. A. Antonova, T. A. Terent'eva. Stek. i ker. 19 no. 12:23-24 D '62.

SULFENYL CHLORIDES

Properties of phosphines. Part 5: Reactions of phosphines with chloramines, sulfonyl chlorides, and amines. K. A. Petrov and others. Zhur. ob. khim. 32 no. 12:4017-4022 D '62.

SULFIDES

Amperometric determination of sulfides in the presence of sulfates, thiosulfates, sulfites, and carbonates in alkaline wastes of petroleum refining and of phosphates in phosphate catalysts. V. N. Lenskain, R. K. Terekhova. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:717-721 '62.

SULFONATION

Kinetics and mechanism of reactions in concentrated strong acid media. Part 5: Kinetics of decarboxylation and sulfonation of diphenylacetic acid in a sulfuric acid medium [with summary in English]. M. I. Vinnik, R. S. Rishova. Zhur. fiz. khim. 36 no. 12:2601-2608 D '62.

Side reactions in the sulfonation of fatty alcohols. V. S. Varlanov, T. M. Ivanova. Masl. -zhir. prom. 20 no. 12:19-21 D '62.

SULFONES

Naphthalene series. Part 26: Conversions of monosulfonic acids of naphthalene to dinaphthyl sulfones. V. V. Kozlov and others. Zhur. ob. khim. 32 no. 12:4074-4076 D '62.
Naphthalene series. Part 27: Conversions of naphthalenesulfonyl chlorides to dinaphthyl sulfones. V. V. Kozlov and others. Zhur. ob. khim. 32 no. 12:4077-4079 D '62.

SULFONIC ACIDS

Alkane-sulfonic acids. Part 27: Synthesis and properties of β -chloroethylalkane sulfonates. A. G. Koslova, I. M. Velichko, T. V. Eremina. Zhur. ob. khim. 33 no. 1:35-38 '63.
Benzylacridinesulfonic acid. A. F. Sukhina. Zhur. ob. khim. 33 no. 1:317 '63.

SULFONYL GROUP

Triallyldihydroxyphosphazone sulfonyl aryls. V. I. Shevchenko, V. P. Tkach, A. V. Kirsanov. Zhur. ob. khim. 32 no. 12:4047-4049 D '62.

SULFUR

Discovery of anions containing sulfur. V. G. Sil'nichenko. Biol. Vulk. sta. no. 3:61-68 '62.
Reaction of polyethylene with sulfur in the presence of mercaptobenzothiazole and tetraethylthiuram disulfide [with summary in English]. B. A. Dogadkin, A. A. Donsov. Vysokom. soed. 5 no. 1:39-43 Ja '63.

SULFUR BACTERIA see Bacteria, Sulfur

SULFUR COMPOUNDS

Removal of sulfur compounds from coke gas by means of sludge from potassium permanganate production. M. I. Odzelishvili. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:49-55 '62.

SULFUR DIOXIDE

Kinetics of interaction between sodium bicarbonate and sulfur dioxide. V. S. Epifanov, T. I. Kunin. Izv. vys. ucheb. zav. khim. i khim. tekhn. 5 no. 5:770-774 '62.

SULFURIC ACID

Solubility in the system water - sulfuric acid - p-chlorobenzene-sulfonic acid. I. M. Kessler, N. P. Lipikhin, E. M. Kuchinskii. Zhur. ob. khim. 32 no. 12:3871-3876 D '62.

SUMMER RESORTS

Akademika strotel'stva i arkhitektury SSSR. Institut obshchestvennykh zdani i sooruzhenii. [Summer health-resort towns] Letnie kurortnye gorodki. Moskva, Gosstroizdat, 1962, 142 p.

SUMY PROVINCE—PINE

Growth of white pine in the Trostyanets Forest Working Circle. Shyn T'Syn-Si (Sheng T'Sung-Hsi). Nauk. pratsi asp. UASHN no. 5:141-151 '60.

SUMY PROVINCE—SEED PRODUCTION—COSTS

Yield and cost of sugar beet seeds on state sugar beet farms in Sumy Province. L. I. Morozlievych. Nauk. pratsi asp. UASHN no. 5:5-10 '60.

SUMY PROVINCE—SUGAR BEETS

Yield and cost of sugar beet seeds on state sugar beet farms in Sumy Province. L. I. Morozlievych. Nauk. pratsi asp. UASHN no. 5:5-10 '60.

SUN

Connection between the maximum runoff of rivers and solar activity and atmospheric circulation. B. P. Panov. Trudy Len. gidromet. inst. no. 11:12-27 '61.
Determination of some large-scale motion parameters in the solar photosphere [with summary in English]. N. I. Kozhevnikov, M. A. Klinkotko. Astron. zhur. 40 no. 1:61-70 Ja-F '63.
International Conference on the Year of the Quiet Sun. N. V. Pushkov. Geomag. i aer. 2 no. 6:1153-1154 N-D '62.
Nature of P₁-type peaks [with summary in English]. V. E. Chertoprud. Astron. zhur. 40 no. 1:48-60 Ja-F '63.
On the existence of terrestrial pulsations related to the solar cycle. G. P. Tamrazian. Dokl. AN SSSR 147 no. 6:1361-1364 D '62.
"Solar activity maps." Reviewed by E. Mustel'. Astron. zhur. 40 no. 1:196-199 Ja-F '63.
To the secrets of the sun. Nauka i zhytlya 12 no. 11:13 N '62.

SUN—CORONA

"Izvestia Astrofizicheskogo Instituta AN Kaz. SSR." (On M. G. Karimov's work). Reviewed by M. A. Livshits, G. M. Nikol'skii. Astron. zhur. 40 no. 1:199-201 Ja-F '63.
Movement of multicharge coronal in magnetically active solar plasma. E. I. Mogilevskii. Geomag. i aer. 2 no. 6:1041-1052 N-D '62.

SUN—FACULAE

A facula model [with summary in English]. M. A. Livshits. Astron. zhur. 40 no. 1:38-47 Ja-F '63.

SUNFLOWER SEED OIL

In the State Committee of the Council of Ministers of the R. S. F. S. R. for the Coordination of Research Work. Masl. -zhir. prom. 20 no. 12:40-42 D '62.
Processing of sunflower seeds in the oil factories of the local industry and in the enterprises of collective farms. G. A. Belon. Masl. -zhir. prom. 20 no. 12:2-6 D '62.

SUNFLOWERS

Hybrid of Jerusalem artichoke with sunflower in Novgorod Province. R. V. Karishev. Agrobiologiya no. 6: 836 N-D '62.
Strengthen the control of seed transportation. N. P. Tihatin. Zashch. rast. ot vred. i bol. 4 no. 5:47-48 S-O '60.

SUNFLOWERS—DISEASE AND PEST RESISTANCE

Method for testing sunflowers for their resistance to broomrape. V. P. Kukin. Zashch. rast. ot vred. i bol. 5 no. 7:39 Ji '60.

SUNFLOWERS—IRRIGATION see subdivision under Ukraine

SUNSHINE see subdivision under Caucasus

SUNSPOTS

Linear depths of sunspot nuclei. V. F. Chiatnikov. Astron. tsv. no. 224:3-6 Ag '61.
Some peculiarities of meridian circulation on the sun. M. A. Klinkotko. Astron. tsir. no. 224:7-10 Ag '61.

SUPERCONDUCTIVITY

A criterion of superconductivity. V. A. Moskalenko. Dokl. AN SSSR 147 no. 6:1340-1343 D '62.
Effect of all-round compression on the temperature of a superconducting junction in Nb₃Sn. B. G. Lazarev and others. Zhur. eksp. i teor. fiz. 43 no. 6:2309-2310 D '62.
Jump of the thermal expansion coefficient of Nb₃Sn in a superconducting junction. B. G. Lazarev and others. Zhur. eksp. i teor. fiz. 43 no. 6:2312-2313 D '62.
On the coexistence of superconductivity and ferromagnetism [with summary in English]. A. I. Akhiezer, I. A. Akhiezer. Zhur. eksp. i teor. fiz. 43 no. 6:2205-2216 D '62.
On the difference in the effect of impurities and plastic deformation on the temperature of a superconducting junction in a metal. B. G. Lazarev, L. S. Lazareva, V. I. Makarov. Zhur. eksp. i teor. fiz. 43 no. 6:2311-2312 D '62.
Possibility of superconductivity in antiferromagnetics [with summary in English]. I. A. Privorotskii. Zhur. eksp. i teor. fiz. 43 no. 6:2255-2260 D '62.
Superconducting alloys in the system Nb - Zr. Z. A. Guts and others. Fiz. tver. tela 5 no. 1:361-362 Ja '63.
Superconductivity of some binary and ternary alloys [with summary in English]. N. E. Alekseevskii, N. N. Mikhailov. Zhur. eksp. i teor. fiz. 43 no. 6:2110-2113 D '62.

SUPERHEATERS

(see also subdivision under United States)
Efficient type of intermediate, steam-heated superheater. V. A. Semeka. Trudy TSNIMF 8 no. 4:3-23 '62.
Study of local heat stresses in a screen-type high-pressure steam superheater. L. I. Kropp. Teploenergetika 9 no. 12:31-37 D '62.

- SUPERSONIC TESTING** see Ultrasonic testing
- SUPERSTITION**
A little about many things. Znan. sila 37 no. 11:32-33 N '62.
Presentiments and prophecies. V. Bleikher. Znan. ta pratsia no. 12:16-17 D '62.
- SUPPLY AND DEMAND**
Normalizing commodity stocks. Sh. Afrutkin. Vop. ekon. no. 12:70-78 D '62.
Production of goods and purchasing power. R. Lokshin. Plan. khoz. 40 no. 1:20-29 Ja '63.
- SUPPORT (DOMESTIC RELATIONS)**
Legal advice. M. Urkevich. Rab. isial. 38 no. 5:22-23 My '62.
We should strictly control the collection of payments for the support of children. B. Belolipetskii. Sots. zakon. 39 no. 12:23-27 D '62.
- SURFACE-ACTIVE AGENTS**
Determination of the long-period strength of metals subjected to the action of liquid media. G. G. Makalovich. E. P. Lanchishin. Zav. lab. 28 no. 12:1485-1486 '62.
Effect of surface-active agents on the characteristics of paint systems. A. A. Trapeznikov, M. A. Chupeev. Lakokras. mat. i ikh prim. no. 5:17-24 '62.
Effect of the modification of rutile titanium dioxide on its wettability by linseed oil and water. T. A. Ermolaeva, D. L. Abramson, N. M. Dorofeeva. Lakokras. mat. i ikh prim. no. 5:20-23 '62.
Effect of wetting adsorption layers on the electrodeposition of metals. D. N. Gritsan, D. S. Shun. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 5 no. 5:775-781 '62.
Joint action of beta rays and of a surface-active medium on the mechanical properties of zinc single crystals. O. A. Troitskii, V. I. Likhman. Dokl. AN SSSR 147 no. 4:874-877 D '62.
- SURFACE HARDENING—CONGRESSES**
First seminar at the Department of Technological Sciences of the Academy of Sciences of the Ukrainian S. S. R. on the surface diffusion hardening of metals. A. P. Epik. Metalloved. i term. obr. met. no. 12:56-58 D '62.
- SURFACE TENSION**
Effect of alloying on the surface tension of iron group metals. V. I. Tumanov and others. Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl. no. 6:43-48 N-D '62.
Forms of surface tension isotherms and polytherms of metal solutions [with summary in English]. N. L. Pokrovskii. Ukr. fiz. zhur. 7 no. 8:845-853 Ag '62.
Surface tension and strength of solid metals. E. P. Pichugin. Izv. vys. ucheb. zav. i fiz. no. 6:77-84 '62.
- SURFACES**
Representation of a surface by its support function [with summary in English]. I. U. G. Dutkevich. Vest. LGU 18 no. 1:53-58 '63.
Total surfaces of negative curvature $K \leq -1$ in Euclidean E_3 and E_4 spaces. E. R. Rozendorn. Mat. sbor. 58 no. 4:453-478 D '62.
- SURFACES (TECHNOLOGY)—MEASUREMENT**
Effect of the tapering radius of a needle on the readings of a profilograph. K. A. Zelikina. Nauch. trudy LTA no. 94:123-130 '62.
- SURFACES, DEFORMATION OF**
Infinitesimal deformations of a convex surface with α generalized sliding at the boundary. N. Kh. Sabitov. Dokl. AN SSSR 147 no. 4:793-796 D '62.
- SURGERY**
Kuprianov, P. A., ed. [Artificial blood circulation in surgery of the heart and the great vessels] *Iskustvennoe krovoobrashchenie v khirurgii serdtsa i magistral'nykh sosudov*. Leningrad, Medgiz, 1962. 303 p. (DNLM)
Shimanko, I. I. [Physical therapy of surgical diseases and the sequelae of injuries] *Fizioterapiia khirurgicheskikh zabolevanii i posledstviu travmy*. Moskva, Medgiz, 1962. 283 p.
- SURGERY—BIBLIOGRAPHY** see Bibliography—Surgery
- SURGERY—CONGRESSES**
Vsesoiuznyi s'ezd khirurgov. 27th, Moscow, 1960. [Transactions of the 27th All-Union Congress of Surgeons] Trudy. Moskva, Medgiz, 1962. 633 p.
- SURGERY, OPERATIVE**
"Operative surgery" by V. V. Babuk. Reviewed by P. N. Maslov. Zdrav. Bel. 8 no. 12:79-80 D '62.
- SURVEYING**
(see also subdivision under Kura-Aras Lowland)
Orlov, P. M. [Course in geodesy] Kurs geodezii. Izd. 3., perer. Moskva, Sel'khozizdat, 1962. 383 p. (Uchebnye i uchebnye posobia dlia vyssikh sel'skokhoziaistvennykh uchebnykh zavedenii)
- SURVEYING—INSTRUMENTS**
Using an automatic coordinate measuring instrument in the grading of areas. M. M. Gubin. Nauch. trudy LTA no. 94:115-121 '62.
- SUSLIK**
Characteristics of the use of the territory by the lesser suslik at different periods of its life [with summary in English]. A. N. Soldatova. Zool. zhur. 41 no. 11:1708-1713 N '62.
- SUSLIK—EXTIRMINATION**
Ways for putting an end to large-scale damages caused by susliks. T. S. Gladkova, I. A. Pollakova. Zashch. rast. ot vred. i bol. 5 no. 5:25-28 My '60.
- SUSPENSIONS (CHEMISTRY)**
Effect of the solid disperse phase content on the intrinsic viscosity of concentrated suspensions in a structured medium [with summary in English]. S. Kh. Zakieva and others. Koll. zhur. 24 no. 6:678-681 N-D '62.
- SUTURES**
Belkin, V. R., and N. S. Gorkin. [Apparatus for suturing elements of the root of the lung (UKL-60 and UKL-40)] *Apparat dlia ushivaniia elementov kornd legkogo (UKL-60 i UKL-40)*. Moskva, Medgiz, 1962. 49 p. (Biblioteka prakticheskogo vracha) (DNLM)
- SVERDLOVSK—BOOKSELLERS AND BOOKSELLING**
Advertising, experience, and unsolved problems. E. Kalina. Sov. knizh. torg. 14 no. 12:17-20 D '62.
- SVERDLOVSK—BUILDING RESEARCH**
Construction Institute in Sverdlovsk. N. A. Kiselev. Izv. ASIA 4 no. 4:136-138 '62.
- SVERDLOVSK—COMMUNIST EDUCATION**
Centers of political education. E. Filipenko. Part. zhizn' no. 2:58-61 Ja '63.
- SVERDLOVSK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Ovsiannikov, M. G. [The organizing power of technological progress] *Organizatsionnaia sila tekhnicheskogo progressa*. Moskva, Mashgiz, 1961. 109 p. (Biblioteka mashinostroitel'sta. Seriya: Peredovaya tekhnika, osnovnaia kommunisticheskogo truda, no. 1)
- SVERDLOVSK—CONSTRUCTION INDUSTRY—HYGIENIC ASPECTS**
"Enemies" become friends. I. Kut'in. Okhr. truda i sots. strakh. 6 no. 1:19 Ja '63.
- SVERDLOVSK—INDUSTRIAL MANAGEMENT—RESEARCH**
Improving production administration. V. Oligin-Nesterov. Vop. ekon. no. 12:147-148 D '62.
- SVERDLOVSK—INSURANCE, SOCIAL**
Activists took over reception. N. Posokhin. Sots. cheap. 24 no. 1:10 Ja '63.
- SVERDLOVSK—MACHINERY INDUSTRY**
Brigade leader D. A. Kalinin. G. Gorekhov. Mashinostroitel' no. 12:6 D '62.
- SVERDLOVSK—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS**
Ovsiannikov, M. G. [The organizing power of technological progress] *Organizatsionnaia sila tekhnicheskogo progressa*. Moskva, Mashgiz, 1961. 109 p. (Biblioteka mashinostroitel'sta. Seriya: Peredovaya tekhnika, osnovnaia kommunisticheskogo truda, no. 1)
- SVERDLOVSK PROVINCE—AGRICULTURE**
Beginning of the reorganization; let us speak concretely about concrete affairs. F. Soloznev. Part. zhizn' no. 2:23-25 Ja '63.
- SVERDLOVSK PROVINCE—ECONOMICS—STUDY AND TEACHING**
Studies of economics and their practical use. M. Sergeev. Polit. samobor. 6 no. 11:69-74 N '62.
- SVERDLOVSK PROVINCE—FIRECLAY—TESTING**
Physicochemical properties of clays from the Troitskiy-Baynovo deposit. T. S. Ignatova, A. D. Khomutina. Trudy Vost. inst. ogneup. no. 2:26-44 '60.
- SVERDLOVSK PROVINCE—FORESTS AND FORESTRY**
Speed of the disintegration of felling residues in clean cuttings. N. T. Kartavenko, B. P. Kolesnikov. Trudy Inst. biol. UFAN SSSR, no. 28:119-130 '62.
- SVERDLOVSK PROVINCE—INDUSTRIAL ORGANIZATION**
A correct and important trend. E. Troitsakov. Most. prom. i khud. promys. 3 no. 11:22-23 N '62.
- SVERDLOVSK PROVINCE—IRON INDUSTRY—HYGIENIC ASPECTS**
With the help of engineering and technical personnel. A. Malykh. Okhr. truda i sots. strakh. 6 no. 1:18 Ja '63.
- SVERDLOVSK PROVINCE—LUMBERING—MACHINERY**
Doblin, I. P., and V. I. Udilov. [Mechanization and automation in lumbering camps] *Mekhanizatsiia i avtomatizatsiia na lesozagotovkakh*. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 96 p. (DNAL)
- SVERDLOVSK PROVINCE—OLD-AGE HOMES**
Indefatigably and wholeheartedly. . . N. Vialnikova. Sots. cheap. 23 no. 11:42 N '62.
- SVERDLOVSK PROVINCE—RAILROADS**
Find new potentialities for industrial production. A. Zakharov. NTO 4 no. 12:17-18 D '62.
- SVERDLOVSK PROVINCE—SOCCER**
For mass competitions. I. U. M. Zadorin. Teor. i prak. fiz. kult. 25 no. 11:45-46 N '62.
- SVERDLOVSK PROVINCE—STEEL INDUSTRY—HYGIENIC ASPECTS**
With the help of engineering and technical personnel. A. Malykh. Okhr. truda i sots. strakh. 6 no. 1:18 Ja '63.
- SWAMPS** see subdivision under Finland; Irkutsk Province; Russia, Northwestern; Tayshet District
- SWEDEN—ECONOMIC POLICY**
Sweden today. O. Timashkova. Mezhdunar. zhizn' 10 no. 2:68-76 F '63.
- SWEDEN—EXCAVATING MACHINERY**
Bulldozer in low slopes (from "The Mining Journal," no. 258, 1962). Met. i gornorud. prom. no. 5:93 S-O '62.
- SWEDEN—FIREMEN—EDUCATION AND TRAINING**
A building for training. I. Fedoseev. Pozh. delo 8 no. 12:32 D '62.
- SWEDEN—FOREIGN RELATIONS—GERMANY**
"Neutrality or an alliance" German-Swedish relations in the early phase of the First World War [in German] by W. M. Carlgren. Reviewed by A. S. Kar. Vop. ist. 38 no. 1:160-163 Ja '63.
- SWEDEN—PILOTS AND PILOTAGE**
Pilotage of seagoing vessels in Sweden. M. I. Makladzhi. Inform. sbor. TSNIIMF no. 82. Mor. prava i prak. no. 18:24-31 '62.
- SWEDEN—POLITICS AND GOVERNMENT**
Sweden today. O. Timashkova. Mezhdunar. zhizn' 10 no. 2:68-76 F '63.
- SWEDEN—WORLD WAR, 1939-1945**
A. Hitler's plans for the occupation of Sweden in 1943. V. M. Gilenson. Vop. ist. 38 no. 1:100-131 Ja '63.
- SWIMMING**
Nabatnikova, M. A., ed. [Swimming; a textbook for coaches] *Plivanie; uchebnik dlia trenerov*. Moskva, Fizkul'tura i sport, 1962. 309 p.
- SWINE**
(see also subdivision under Moscow region; Polotsky District; Rostov Province; Ukraine)
Practices in keeping sows with young pigs in groups. I. I. Zabolotnyi. Nauch. trudy Polt. nauch. -issl. inst. svin. 22:107-118 '62.
Studying the constitution and early maturing of swine. I. U. K. Svietchny. Nauch. pratsi asp. UASHN no. 5:208-211 '60.
- SWINE—DISEASES AND PESTS**
Participation of the nervous system in the pathogenesis of infectious atrophic rhinitis in swine. H. P. Illushchenko. Visnyk sil'skop. nauk 5 no. 12:77-78 D '62.
- SWINE—FEEDING AND FEEDS**
(see also subdivision under Ukraine)
Digestion and metabolism of young swine in qualitatively different protein nutrition. E. N. Bakaeva. Nauch. trudy Polt. nauch. -issl. inst. svin. 22:18-35 '62.
Early maturing and fattening characteristics of underfed swine during various age periods. D. I. Savelsk. Nauch. pratsi asp. UASHN no. 5:159-165 '60.
Effect of feeding forage antibiotics on the growth and productivity of fattening young swine. I. L. Borts, V. A. Zhurba. Nauch. trudy Polt. nauch. -issl. inst. svin. 22:44-54 '62.
Effect of feeding various amounts of corn on the growth, development, and reproductive capacities of young swine raised for breeding purposes. G. M. Pacherniava. Nauch. trudy Polt. nauch. -issl. inst. svin. 22:74-85 '62.
Effect of the nature of feeding on the development of the skeleton in swine during the embryonic period. K. P. Mel'nyk. Nauch. pratsi asp. UASHN no. 5:199-195 '60.
Effectiveness of fattening swine for meat on rations of corn combined with legumes. I. G. Briushinin. Nauch. trudy Polt. nauch. -issl. inst. svin. 22:36-43 '62.
Effectiveness of feeding ensiled potatoes to swine. M. M. Karpus'. Nauch. pratsi asp. UASHN no. 5:170-177 '60.
Efficient combining of protein feeds in rations with a prevalence of corn in raising and fattening young swine. I. L. Borts. Nauch. trudy Polt. nauch. -issl. inst. svin. 22:3-17 '62.
Experiments in comparative fattening meat-type swine of various breeds and crosses. N. A. Kovalenko. Nauch. trudy Polt. nauch. -issl. inst. svin. 22:55-73 '62.

SWINE -- FEEDING AND FEEDS (Continued)

How we organize swine fattening. S. Shcherban'. Sov. potreb. koop. 6 no. 11:41-42 N '62.
New data on vitamin A assimilation [with summary in English]. N. T. Temelina. Vest. sel'khoz. nauk. 7 no. 10:60-61 O '62.
Practices in controlled fattening of swine at the Shchors Breeding Station. T. S. Zhurzhenko. Nauch. trudy Polt. nauch. - issl. inst. svin. 22:89-106 '62.
Their friendly competition. I. A. Ginzburg. Rab. i stal. 36 no. 5:6 My '62.

SWINE--PHYSIOLOGY

Some characteristics of growth and development of the vascular system of the gastrointestinal tract. I. P. Anlyuchuk. Pratsi inst. zool. AN URSR 18:104-109 '62.

SWINE BREEDING

(see also subdivision under Armenia)
Characteristics of lending related groups of Large White sows at the Breeding Station No. 809. F. K. Pocherniaev. Nauch. trudy Polt. nauch. - issl. inst. svin. 22:86-98 '62.
Use of ultrasonic instruments for determining the thickness of the fat back in live swines. G. Bondarev. Mirosl. SSSR 33 no. 6:37-38 '62.

SWINE HOUSES AND EQUIPMENT

(see also subdivision under Bryansk Province)
Mechanized swine-fattening barn. I. Litvinov. Sel'. stroi. 15 no. 4:10-12 Ap '60.

SWITCHING THEORY

Algorithm for calculating conditional loss probabilities of switching circuits with limited loads. D. N. Lozin-skii. Probl. pered. inform. no. 11:98-109 '62.
Functional and logical characteristics of switching devices and their elements. V. N. Roginskii. Probl. pered. inform. no. 11:5-22 '62.
Minimization of the number of states of a switching circuit using the "Ural" universal digital computer. E. A. Butakov, A. D. Zakrevskii. Probl. pered. inform. no. 11:66-76 '62.
Operation of switching devices during transient periods. V. N. Roginskii. Probl. pered. inform. no. 11:34-46 '62.
Study of switching circuits in group selection operation using a statistical testing technique and an electronic digital computer. A. A. Vdovin, V. P. Shval'b. Probl. pered. inform. no. 11:77-87 '62.
Synthesis of single-cycle potential logic circuits [with summary in English]. V. M. Ozernoi. Avtom. i telem. 24 no. 1:101-108 Ja '63.

SWITZERLAND--AQUALUNG

Record descent of an aqualung (from "Schiff und Hafen" no. 3, 1962). H. A. Plenk. Sudostroenie 28 no. 10: 69 O '62.

SWITZERLAND--WINTER SPORTS

"Universiade," winter games. A. B. Vasm. stud. nov. 16 no. 5:6:25-26 My-Je '62.

SYDNONE IMINE

Sydnone and sydnone imines. Part 15: Synthesis of 3-(diakylaminoalkyl) sydnone imines. V. G. Iashun-skii. Zhur. ob. khim. 33 no. 1:102-105 '63

SYKTYVKAR REGION--FROZEN GROUND

Seasonal freezing of soils in the Syktyvkar region and the prediction of soil freezing changes following development of the territory. L. S. Garagula, S. A. Zamolot-chikova. Merz. issl. no. 1:45-59 '61.

SYLVAN

Continuous method of sylvan polymerization in the solvent medium. A. A. Abdulliev and others. Lakokras. mat. i kh. prim. no. 6:27-29 '62.

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and mathematical

SYMPATHETIC NERVE

Role of the vagus and sympathetic nerves on the trophic effect of the cerebral cortex on the calcium content in the blood [with summary in English]. G. K. Deineka. Trudy Ukr. nauch. - issl. inst. ekaper. endok. 10:91-96 '61.

SYNCHRONOUS MOTORS see Electric motors, Synchronous

SYNCHROTRON

Studying the formation of a beam of accelerated particles in a proton-synchrotron by means of induction electrodes. G. S. Kuzanskii and others. Atom. energ. 14 no. 2:153-158 F '63.

SYNOVIAL MEMBRANES--BLOOD SUPPLY

Morphological indices of the functional condition of the blood channel of the synovial membrane. O. M. Shecheol'kov. Pratsi inst. zool. AN URSR 18:86-76 '62.

SYNTHETIC FABRICS

Designing yourtas (nomad's tents) of synthetic materials. A. N. Nikolov. I. P. Gladchenko, V. A. Nazarov. Plast. massy no. 12:46-50 '62.

SYNTHETIC FABRICS--TESTING

Determination of the fatigue properties of cord subjected to flexing in a modernized apparatus of the type 5-24-1. V. B. Stroyev, N. V. Denisenko, E. A. Nemchenko. Khim. volok. no. 6:31-34 '62.
Improvement of the properties of viscose cord in the process of twisting. M. V. Denisova, I. V. Sergeev. Khim. volok. no. 6:25-27 '62.

SYNTHETIC PRODUCTS

Raw material base of synthetic materials. N. Fedorenko, E. Shechukin. Plan. khoz. 39 no. 12:27-36 D '62.

SYNTHETIC RUBBER see Rubber, Synthetic

SYR DARYA DELTA

"Ancient Syr Darya Delta and the northern Kyzyl Kum." Vols. 1 and 2 by V. M. Borovskii and others. Reviewed by M. A. Glazovskaya. Vop. geog. no. 59:180-183 '62.

SYR-DARYA VALLEY--LOCUSTS--EXTERMINATION

Tasks in controlling sparsely distributed solitary migratory locusts on the Syr-Darya breeding grounds. E. A. Tsukerman. Zashch. rast. ot vred. i bol. 4 no. 5:33-35 S-O '59.

SYRIA--DESCRIPTION AND TRAVEL

Rodin, L. E. [In the land of deep wells] V strane glubokikh kolodtsev. [Moskva] Molodai gvardia, 1962. 270 p.

SYRIA--ECONOMIC CONDITIONS

The Syrian Arab Republic. F. Aleksandrov, G. Ost-pov. Otv. na vop. trud. no. 4:38-45 Ap '62.

SYRIA--POLITICS AND GOVERNMENT

The Syrian Arab Republic. F. Aleksandrov, G. Ost-pov. Otv. na vop. trud. no. 4:39-45 Ap '62.

SYRPHUS FLIES

Larvae of the European species of syrphid flies of the genus Temnostoma (Diptera, Syrphidae) [with summary in English]. N. P. Krivosheina, B. M. Mamaev. Ent. oboz. 41 no. 4:821-830 '62.

SYSTEMS (CHEMISTRY)

Moscow. Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii. [Handbook on solubility] Spravochnik po rastvorimosti. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Ternary multicomponent systems] Troynye, mnogokomponentnye sistemy. Book 1, 1963. 943 p.

Optical properties of polymer solutions near the demixing point [with summary in English]. E. V. Frisman, Sini Mao. Ukr. fiz. zhur. 7 no. 9:915-918 Ag '62.

Solubility in the systems isobutylaldehyde - n. butyraldehyde - water - toluene and cyclohexanol - cyclohexanone - cyclohexene - water. L. A. Serafimov and others. Izv. vys. ucheb. zav. i khim. i tekhn. 5 no. 5:722-726 '62.

Study of the complex formation by the method of distribution in the system zirconium - selenoyl acetone - benzene - water. N. V. Mel'chakova, V. M. Peshkova. Vest. Mosk. un. Ser. 2:Khim. 18 [i. e. 17] no. 6:81-83 N-D '62.

Temperature coefficient of the burning velocity of some systems. G. V. Lukashenko, A. I. Pogorebenkov. Zhur. fiz. khim. 36 no. 12:2784-2788 D '62.

Thermo-emf. and thermomagnetic effects in alloys of the system CuSnAs₂-2ZnAs. D. N. Nasledov, S. Mamaev, O. V. Emel'ianenko. Fiz. tver. tela 5 no. 1: 147-150 Ja '63.

X-ray diffraction and electric studies of the system PbTiO₃-LaAlO₃. S. A. Fedulov, I. U. N. Venevsky, D. P. Dzhamkhadze. Kristallografiya 7 no. 3:408-411 My-Je '62.

SYTYVKAR REGION--FOREST ROADS

Increasing the service time of winter roads; based on materials collected in the Komi A. S. S. R. I. S. Lur'e, V. I. Maslov. Merz. issl. no. 1:318-329 '61.

SYTYVKAR REGION--ROADS, ICE

Increasing the service time of winter roads; based on materials collected in the Komi A. S. S. R. I. S. Lur'e, V. I. Maslov. Merz. issl. no. 1:318-329 '61.

SZECHWAN, CHINA--WATER, UNDERGROUND

Effect of recent uplifts and saline facies of rocks on the formation of the composition of underground waters as exemplified in the Szechwan complex artesian basin. B. D. Rusanov. Trudy Len. gidromet. inst. no. 11:243-253 '61.

TACHINID FLIES

Introduction of tachinid flies, parasites of the Colorado beetle. N. N. Shutova. Zashch. rast. ot vred. i bol. 5 no. 3:47-48 Mr '60.

TACHOMETER

High-frequency transducer of an electric pulse tachometer. I. U. G. Miller, V. I. Ratnovskii. Priboirostroenie no. 12:28 D '62.

TAGANROV--HISTORY--STUDY AND TEACHING

One must know his homeland. L. N. Ogurtsov. Sred. apets. obr. 9 no. 11:48-52 N '62.

TAGIKENT-KAZMALIAR--COOPERATIVE SOCIETIES

Help of the deputies. I. Kakhrimanov. Sov. potreb. koop. 6 no. 12:39-40 D '62.

TAILINGS (METALLURGY)

Large-scale laboratory investigations on the refining of titanium sponge tailings. A. I. Ivanov, A. P. Pichukov. Titen i ego splavy no. 8:227-236 '62.

TAIPING REBELLION, 1850-1864

"Collected materials on the history of the Taiping state" [in Chinese]. Vol. 1. Reviewed by S. I. Zaretskaia. Sovr. klt. lit. po obshchestv. naukam no. 49:5-15 '62.

TAJK DEPRESSION--FORAMINIFERA, FOSSIL

First find of Upper Senonian orbitoids in the Tajik Depression and its stratigraphic importance. A. S. Sokolov-Kochegarov, G. I. Khasina, G. I. Nenkov. Izv. vys. ucheb. zav. i geol. i razv. 5 no. 9:138-140 S '62.

TAJK DEPRESSION--GAS, NATURAL--GEOLOGY

Comparative estimation of oil and gas potentials of Paleogene sediments in the Tajik Depression. K. V. Babkov. Trudy Inst. geol. AN Tadzh. SSR 5:159-196 '62.

TAJK DEPRESSION--GEOCHEMISTRY

Geochemical characteristics of the Paleogene in the Tajik Depression. O. L. Zelenova. Vop. geog. no. 59: 104-171 '62.

TAJK DEPRESSION--GEOLOGY, STRUCTURAL

Tectonic regionalization and structural plan of the Tajik Depression. S. A. Zakharov. Trudy Inst. geol. AN Tadzh. SSR 5:4-72 '62.

TAJK DEPRESSION--LAMELLIBRANCHIATA, FOSSIL

Some new and rare species of bivalve mollusks from Khanabad layers in the Tajik Depression. D. D. Buzurukov. Trudy Inst. geol. AN Tadzh. SSR 5:139-157 '62.

TAJK DEPRESSION--LANDFORMS

Geochemical characteristics of the Paleogene in the Tajik Depression. O. L. Zelenova. Vop. geog. no. 59: 104-171 '62.

TAJK DEPRESSION--PETROLEUM GEOLOGY

Comparative estimation of oil and gas potentials of Paleogene sediments in the Tajik Depression. K. V. Babkov. Trudy Inst. geol. AN Tadzh. SSR 5:159-196 '62.

TAJK LANGUAGE--DIALECTS see subdivision under Soviet Central Asia

TAJK LITERATURE--HISTORY AND CRITICISM

Dragnitskii, I. S. [Periodization of the history of Persian and Tajik literature] O probleme periodizatsii istorii persidskoi i tadzhikskoi literatury. Moskva, Izd-vo vostochnoi lit-ry, 1960. 11 p. (XXV Mezhdunarodnyi kongress vostokovedov; doklady delegatsii SSSR)

TAJK NEWSPAPERS

Umanov, Dzura. [Newspapers and periodicals of the Tajik S. S. R. during the Great Patriotic War] Pechat' Tadzhikskoi SSR v period Velikoi Otechestvennoi volny. Dushanbe, Tadzhikskii Gos. univ., im. V. I. Lenina, 1962. 105 p.

TAJKISTAN--ALGAE

Algae of the belt of Sterozem soils in Tajikistan. V. V. Mel'nikova. Trudy Bot. inst. AN Tadzh. SSR 18:286-313 '62.

TAJKISTAN--COAL GEOLOGY

Effect of slow heating by ancient intrastratal fires on the composition and properties of Fan Yagnob coal. N. M. Kuravayev and others. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:106-201 N-D '62.

TAJKISTAN--COTTON--DISEASES AND PESTS

On a state cotton farm in Tajikistan. I. U. D. Voronin. Zashch. rast. ot vred. i bol. 4 no. 5:12-13 S-O '59.

TAJKISTAN--IRRIGATION FARMING

Practices of a collective farm in the use of irrigated lands. A. K. Kalandarov, M. M. Cherkasskii. Zemledelie 24 no. 11:23-25 N '62.

TAJKISTAN--MEALYBUGS--EXTERMINATION

Preparations of systemic action against the Comstock mealybug on mulberry trees. V. V. Kurdiukov. Zashch. rast. ot vred. i bol. 5 no. 11:40-41 N '60.

TAJKISTAN--MULBERRY--DISEASES AND PESTS

Preparations of systemic action against the Comstock mealybug on mulberry trees. V. V. Kurdiukov. Zashch. rast. ot vred. i bol. 5 no. 11:40-41 N '60.

TAJKISTAN--RETAIL TRADE

Shindel', B. M. [The Soviet trade of Tajikistan in the seven-year plan, 1950-1955] Sovetskaya trgovina Tadzhikistana v semiletie, 1950-1955. Stalinabad, Tadzhikizdat, 1960. 15 p.

- TAJIKISTAN—SALTWORT**
Saltworts of Tajikistan. G.K. Kinzikaeva. Trudy Bot. inst. AN Tadjh. SSR 18:258-285 '62.
- TAJIKISTAN—SIEROZEM SOILS**
Algae of the belt of Sierozem soils in Tajikistan. V.V. Melnikova. Trudy Bot. inst. AN Tadjh. SSR 18:286-313 '62.
- TAJIKISTAN—SOVIETS**
Kasymov, S.M. [Urban soviets of workers' deputies in Tajikistan at present] Gorodskie Sovety deputatov trudiaschchikhsia Tadjzhikistana na sovremennom etape. Pod obshchei red. Radzhabova, S.A. Stalinabad, 1961. 202 p. (CS:—H)
- TAJIKISTAN—SPRAYING AND DUSTING IN AGRICULTURE**
On a state cotton farm in Tajikistan. IU.D. Voronin. Zashch. rast. ot vred. i bol. 4 no. 5:12-13 S-O '59.
- TAJIKISTAN—WORLD WAR, 1939-1945**
Umanov, Dzhuza. [Newspapers and periodicals of the Tajik S.S.R. during the Great Patriotic War] Pechat' Tadjzhikskoi SSR v period Velikoi Otechestvennoi voyny. Dushanbe, Tadjzhikskii Gos. univ., Im. V.I. Lenina, 1962. 105 p.
- TALES, COSSACK**
Tumilevich, F.V., ed. [Folk tales and legends of the Nekrasov Cossacks] Skazki i predaniia kazakov nekra-sovsev. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1961. 271 p. (ICU)
- TALL OIL**
Synthesis of tall oils modified with cyclopentadiene. A.A. Subbotin. Lakokras. mat. i ikh prim. no. 5:27-30 '62.
- TALLINN—ELECTRIC EQUIPMENT INDUSTRY**
"Yes? No? Make your x." A. Kirsanov. Part. zhizn' no. 2:58-61 Ja '63.
- TALLINN—EXHIBITIONS**
"Photography Week" in Tallinn. Sov. foto 22 no. 11:28-29 N '62.
Purposiveness of art. V. Tarasovich. Sov. foto 22 no. 12:15-17 D '62.
- TALLINN—SCHOOLHOUSES**
School in Tallinn. IU. Tiushin. Zhil. stroi. no. 2:16a-16c '62.
- TAMBOV—CLOTHING INDUSTRY**
The leading workers. N. Smirenov. Mest. prom. i khud. promys. 3 no. 11:7 N '62.
- TAMBOV—COMMUNITY AND SCHOOL**
Concern of a working group. N. Sorokin, N. Golubev. Sam'tia i shkola 17 no. 9:34 S '62.
- TAMBOV—DISTILLATION APPARATUS**
Shortcomings in the design of brewery distillation apparatus. Spirit. prom. 28 no. 8:35 '62.
- TAMBOV PROVINCE—AGRICULTURAL ADMINISTRATION**
Organizational role of a newspaper. Part. zhizn' no. 1: 69-72 Ja '63.
- TAMBOV PROVINCE—RUSSIAN LANGUAGE—DIALECTS**
Mistakes made by pupils in schools of Tambov Province in their dialects and work on correction of these errors. M.N. Buval'tseva. Uch. zap. Rov. gos. ped. inst. 6:258-274 '61.
- TANALYK VALLEY—GEOCHEMICAL PROSPECTING**
Heavy metal content in friable sediments of the upper Tanalyk Valley (Southern Ural). I.A. Pavlenko, I.P. Gavrilova. Vop. geog. no. 59:82-104 '62.
- TANALYK VALLEY—ORE DEPOSITS**
Heavy metal content in friable sediments of the upper Tanalyk Valley (Southern Ural). I.A. Pavlenko, I.P. Gavrilova. Vop. geog. no. 59:82-104 '62.
- TANGANYIKA—ANIMALS**
From Tanganyika to Somalia (to be continued). N.N. Sushkina. IU. nat. no. 12:8-9 D '62.
- TANGANYIKA—ECONOMIC CONDITIONS**
Tanganyika; new problems after the achievement of independence. Jweli Mgogo. Vsem. stud. nov. 16 no. 4:9-11 Ap '62.
- TANGANYIKA—PLANTS**
From Tanganyika to Somalia (to be continued). N.N. Sushkina. IU. nat. no. 12:8-9 D '62.
- TANK CARS**
Gayruseva, A.I., and I. IU. Konstantinov. [New types of tank cars] Noveye tselisterny. Moskva, Transzheldorizdat, 1962. 32 p.
- TANK VESSELS**
Selection of cargo pumps for tankers. P.K. Biskup. Sudostroenie 28 no. 10:13-17 O '62.
- Speed and maneuverability characteristics of "Peking"-type tank vessels. V.A. Svinarenko. Sudostroenie 28 no. 10:4-7 O '62.
- TANKS**
Assembly of cylindrical precast reinforced concrete tanks. A.V. Lintsevich, N.T. Konisev. Stroi. truboprov. 7 no. 12:18-19 D '62.
- TANNING MATERIALS**
Characteristics of tanning materials. A. Goloviteeva. Kozh.-obuv. prom. 4 no. 12:33-34 D '62.
- TANNU-TUVA** see Tuva A.S.S.R.
- TANTALUM CARBIDE**
Standard heats of formation of the higher carbides of niobium and tantalum. A.N. Korotkov, V.I.A. Leonidov, S.M. Skuratov. Vest. Mosk. un. Ser. 2:Khim. 16 [i.e. 17] no. 8:48-50 N-D '62.
- TAPE AND WIRE RECORDERS AND RECORDING** see Magnetic recorders and recording
- TARASHCHA DISTRICT—BAKERS AND BAKERIES**
Our potential. L. Goncharenko. Sov. potreb. koop. 6 no. 12:9-11 D '62.
- TARGU-MURES PROVINCE—STOCK AND STOCKBREEDING**
Several problems in the development of stockbreeding in the Mures-Hungarian Autonomous Province, the Rumanian People's Republic. I. Kymplian. Dokl. TSKHA no. 75:159-166 '62.
- TARTRATES**
Extraction of boric acid from diluted solutions in the form of borotartrates [with summary in German]. E. Svarce, A. Levins. Izv. AN Latv. SSR no. 4:67-71 '61.
Tartrate electrolytes for obtaining lead and indium platings. IU. V. Zaitsev, P.S. Titov. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 5 no. 5:552-553 '62.
- TARTU—BOOKSELLERS AND BOOKSELLING**
An average of 7 rubles, 65 kopeks per person. R. Kivisa. Sov. knizh. torg. 14 no. 1:7-8 Ja '63.
Library, bookstore, and publisher. V. Samoilov. Sov. knizh. torg. 14 no. 1:12-13 Ja '63.
- TARTU UNIVERSITY**
Uprus, Helmi. [Main building of Tartu State University] Tartu Riikliku Ülikooli peakoone. Tallinn, Eesti Riiklik Kirjastus, 1959. 70 p. illus. [Parallel texts in Estonian, Russian and English]
- TASHKENT—ASTRONOMY—OBSERVATIONS**
[Circular of the Tashkent Astronomical Observatory] TSr. Tashk. astron. obser. nos. 312-318 Mr, My-Jl, S-N '62.
- TASHKENT—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Party control from below. G. Zhdanov, V. Nazamnov. Komm. Uz. 34 no. 11:59-68 N '62.
- TASHKENT—CONFECTIONERY**
At the "Urtak" confectionery. I. Beltaev. NTO 4 no. 9: 15 S '62.
- TASHKENT—CONSTRUCTION INDUSTRY—HYGIENIC ASPECTS**
We use all methods. V. Andreev. Okhr. truda i sots. strakh. 6 no. 1:10 Ja '63.
- TASHKENT—EARTHQUAKES AND BUILDING**
Large-panel housing construction in seismic districts on settling soils. A. Krakov. Zhil. stroi. no. 2:6-8 '62.
- TASHKENT—MEAT INDUSTRY—RESEARCH**
Operations of the Branch of the All-Union Scientific Research Institute of the Meat Industry. M. Vii'chek. Mias. ind. SSSR 33 no. 6:60 '62.
- TASHKENT—PRECAST CONCRETE CONSTRUCTION**
Large-panel housing construction in seismic districts on settling soils. A. Krakov. Zhil. stroi. no. 2:6-8 '62.
- TASHKENT—RAILROADS—EMPLOYEES**
The October Revolution Plant... T. Parshin. Part. zhizn' [Uzb.] 5 no. 11:16-20 N '62.
- TASHKENT—WAGES—CLOTHING INDUSTRY**
After the transition to the group piece-rate wage system. I. Babalants. Nar. khoz. Uzb. 4 no. 11:81-82 N '62.
- TASHKENT DISTRICT—MINERAL WOOL**
Mineral wool made of raw material from Tashkent District. V.N. Kovalenko and others. Shor. nauch. trud. NII po stroi. ASIA no. 2:63-68 '61.
- TASHKENT PROVINCE—AMBARY HEMP—DISEASES AND PESTS**
Harmful effects of the cutworm *Agrotis segetum* in jute and ambary hemp fields. M.V. Korsakova. Zashch. rast. ot vred. i bol. 4 no. 5:57 S-O '59.
- TASHKENT PROVINCE—BARK BEETLES—EXTERMINATION**
The bark beetle *Scolytus regulosus* Ratz. T.S. Kremenko. Zashch. rast. ot vred. i bol. 5 no. 10:38 O '60.
- TASHKENT PROVINCE—COMMUNIST EDUCATION**
Party education and the propaganda of advanced practices. V. Drobyshev. Komm. Uz. 34 no. 11:51-54 N '62.
- TASHKENT PROVINCE—CUTWORMS—EXTERMINATION**
Harmful effects of the cutworm *Agrotis segetum* in jute and ambary hemp fields. M.V. Korsakova. Zashch. rast. ot vred. i bol. 4 no. 5:57 S-O '59.
- TASHKENT PROVINCE—JUTE—DISEASES AND PESTS**
Harmful effects of the cutworm *Agrotis segetum* in jute and ambary hemp fields. M.V. Korsakova. Zashch. rast. ot vred. i bol. 4 no. 5:57 S-O '59.
- TASTY-BUTAK—DWELLINGS**
Dwellings of the Tasty-Butak settlement. V.S. Sorokin. Krat. soob. inst. arkheol. no. 91:51-56 '62.
- TATAR A.S.S.R.—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP**
Term of probation. A. Gnedenkov. Part. zhizn' no. 3: 50-54 F '63.
- TATAR A.S.S.R.—CRIMINAL JUSTICE, ADMINISTRATION OF**
For the closest cooperation among the police, courts, and public prosecutors. I. Khamidullin. Sots. zakon. 40 no. 1:16-18 Ja '63.
- TATAR A.S.S.R.—EDUCATION—PERIODICALS**
"Sovet Mektebi." S. Shamsutdinova. Nar. obr. no. 1: 116 Ja '63.
- TATAR A.S.S.R.—MILITARY EDUCATION**
Serve the motherland properly! Voen. znan. 30 no. 1: 10-17 Ja '63.
- TATAR A.S.S.R.—OFFENSES AGAINST SOCIALIST PROPERTY**
At the forefront. N. I. Amaliev. Sots. zakon. 40 no. 1: 71-72 Ja '63.
- TATAR A.S.S.R.—PETROLEUM—TESTING**
Spectrum analysis of the individual hydrocarbon composition of Tatar ligno-oils. B. Le, F. A. Umanchev. Izv. AN SSSR. Ser. fiz. 27 no. 1:102-104 Ja '63.
- TATAR A.S.S.R.—PHYSICALLY HANDICAPPED—EMPLOYMENT**
Resolutions are carried out. M. Sharapov, L. Khankin. Sots. oshch. 23 no. 9:43-46 S '62.
- TATRA MOUNTAINS—NATIONAL PARKS AND RESERVES**
"Tanap" [in Slovak]. Reviewed by I.P. Fedchuk. Priroda 52 no. 1:124 '63.
- TAX ACCOUNTING** see subdivision under Donetsk Province
- TAXATION**
(see also subdivision under Belgorod)
Vlnokur, S.I., A. Mogilevich, and A. Shinkhmagon. [Control of trade unions over the application of the law abolishing taxes on wages] Kontrol' profsoyuzov za vypolneniem zakona ob otmene nalogov s zarabotnoi platy. Moskva, Profizdat, 1961. 95 p. (Bibliotekha profsoyuznogo aktivista, no. 12) (CLU)
- TAYLOR'S SERIES (MATHEMATICS)** see Series, Taylor's
- TAYMYR NATIONAL AREA—EDUCATION**
Bychkova, B.A. [From darkness to light; from the history of cultural development in the Taymyr National Area] Ot t'my k svetlu; iz istorii kul'turnogo stroitel'stva v Taymyrskom natsional'nom okruge. [Krasno-larsk] Krasno-larskoe knizhnoe izd-vo, 1962. 76 p.
- TAYMYR PENINSULA—KINDERGARTENS**
Kindergartens in the Far North. IU. Strakach. Doshk. vosp. 35 no. 11:50-52 N '62.
- TAYMYR PENINSULA—SAMOYEDS**
Anthropological research on the Nganasany. I. M. Zolotareva. Sov. etn. no. 6:131-136 N-D '62.
- TAYSHET—CIVIC IMPROVEMENT**
City of the future. G. Mikhailov. Vokrug sveta no. 12: 11 D '62.
- TAYSHET DISTRICT—MOSSES**
First find of the moss *Schistostegia pennata* (Hedw.) Hood. et Tayl. in Eastern Siberia. L.V. Bardunov. Trudy Vost.-Sib. biol. inst. SO AN SSSR no. 1:140-141 '62.
- TAYSHET DISTRICT—SWAMPS**
Types of swamps in Tayshet District and their dynamics. N.S. Vodop'ianova. Trudy Vost.-Sib. biol. inst. SO AN SSSR no. 1:70-81 '62.

TAZ PENINSULA—FROZEN GROUND

Relationship of the cryogenic relief forms to the geology and geomorphologic structure of the Taz Peninsula. IU, F. Andreev, Zh. M. Belorusova. Trudy Inst. merzl. AN SSSR 19:44-54 '62.

TAZ PENINSULA—LANDFORMS

Relationship of the cryogenic relief forms to the geology and geomorphologic structure of the Taz Peninsula. IU, F. Andreev, Zh. M. Belorusova. Trudy Inst. merzl. AN SSSR 19:44-54 '62.

TBILISI see Tiflis

TEA

(see also subdivision under Krasnodar Territory)

Economic bases for the distribution of coffee, cacao, and tea in the capitalist world. I. M. Landa. Uch. zap. Tif. gos. ped. inst. no. 9:90-100 '60.

TEACHERS

(see also subdivision under Tyumen Province)

Awards to participants in the Exhibition of Achievements of the National Economy of the U.S.S.R. Doshk. vykh. 23 no. 10:45 O '62.

Generous soul. E. Blinkina. Doshk. vosp. 35 no. 11: 65-67 N '62.

Teacher must have a thorough, all-round education. L. Hukhen'ka. Doshk. vykh. 23 no. 11:6-7 N '62.

World teachers in the struggle for general and total disarmament. I. I. Grivkov. Sov. pedagog. 26 no. 8: 7-16 Ag '62.

TEACHERS, TRAINING OF

(see also subdivision under Leningrad; Ukraine; Voronezh Province)

Akademiiia pedagogicheskikh nauk RSFSR, Moscow.

[Training of the teachers of general technical and industrial subjects for secondary general schools] O podgotovke uchitel' obshchetechnicheskikh i proizvodstvennykh dissiplin dlia srednei obshcheobrazovatel'noi shkoly. Pod red. K. A. Ivanovicha. Moskva, 1962, 146 p.

How preschool workers will study the new program. N. Matfonova, V. Antipova. Doshk. vosp. 35 no. 11: 43-45 N '62.

Let's introduce the experience of experimental schools into general practice. K. Zolotar'. Nar. obr. no. 1: 7-11 Ja '63.

Let's raise the level of teachers' work. Doshk. vosp. 35 no. 10:14-16 O '62.

Practical seminar of the workers of preschool orphanages. H. Alybina. Doshk. vykh. 23 no. 10:48 O '62.

Seminar for workers in children's institutions. L. Esipovskaya. Doshk. vosp. 35 no. 10:75 O '62.

Seminars on aesthetic education. E. Betmakaeva and others. Doshk. vosp. 35 no. 9:42-43 S '62.

Teacher's psychological vigilance [with summary in English]. A. Plekhanov. Vop. psikh. 8 no. 4:83-88 Ji-Ag '62.

Working with young personnel. O. Raleva'ka. Doshk. vykh. 23 no. 10:27-28 O '62.

TEACHERS COLLEGES see subdivision under Osa (Perm Province)

TEACHING

(see also subdivision under Lipetsk Province; Moscow; White Russia)

Akademiiia pedagogicheskikh nauk RSFSR, Moscow.

Metod. psikholog. [Methods to improve the quality of the assimilation of knowledge in primary grades] Puti povysheniia kachestva usvoeniia znanii v nachal'nykh klassakh. Pod red. D. N. Bogolavskogo i N. A. Menchinskoi. Moskva, Izd-vo APN RSFSR, 1962, 278 p.

Analysis and evaluation of knowledge. N. Ankovskaya. Doshk. vosp. 35 no. 10:56-60 O '62.

Barabanshchikov, A. V. [Pedagogical basis for the training of members of the Soviet Armed Forces] Pedagogicheskie osnovy obucheniia sovetskikh voenov. Moskva, Voenizdat, 1962, 150 p.

Conference on an urgent topic. Sov. pedagog. 26 no. 8: 157-158 Ag '62.

Education by trust. E. Korabiev. Sem'ia i shkola 18 no. 1:21 Ja '63.

For creativeness in methodological work. V. V. Peshchak. Rad. shk. 41 no. 12:48-51 D '62.

How they teach them to think. L. Poliakova. Nar. obr. no. 1:105-107 Ja '63.

Independent work of evening (staggered) school students. E. N. Kabanova-Meller. Dokl. APN no. 2: 45-48 '62.

Let's educate them joyfully, anxiously and triumphantly! M. Bushkanets. Nar. obr. no. 1:58-63 Ja '63.

New conditions require the new methods of teaching; a review of letters to the editor. Kommunist 39 no. 3: 124-127 F '63.

Overcoming the repeating of a year and the loss of students. A. I. D'achkov. Sov. pedagog. 26 no. 8:44-50 Ag '62.

Pedagogical collective solves the problem of the training of students' independence. T. Panfilova and others. Nar. obr. no. 1 insert 16 p Ja '63.

Principles of Soviet didactics. IU, Sharov. Nar. obr. no. 1:43-50 Ja '63.

The problem of continuity. M. Loban. Nar. osv. no. 12: 53-59 D '62.

Purposefulness in the planning of educational work. V. G. Bobrova. Nach. shkola 30 no. 12:68-73 D '62.

Searching for ways to increase the efficiency of lessons. B. P. Esipov. Sov. pedagog. 26 no. 8:17-30 Ag '62.

Suggestions deserve support. M. V. Varha. Rad. shk. 41 no. 12:66-67 D '62.

Teacher studies with Stanklavskii. S. Gurevich. Nar. obr. no. 1:91-94 Ja '63.

Teachers' movement for communist work. V. A. Shurygin. Sov. pedagog. 26 no. 12:19-23 D '62.

TEACHING—HYGIENIC ASPECTS

Hygienic aspects of teaching. A. I. A. Gutkin, A. P. Rodina. Zdorov'e 8 no. 12:16-17 D '62.

TEACHING MACHINES

(see also subdivision under United States)

Cybernetics in school. L. Landa. Znan. i siba 37 no. 10: 33-35 O '62.

In the Ministry of Higher and Secondary Specialized Education of the U.S.S.R. Sred. spets. obr. 10 no. 1: 56 Ja '63.

Teaching apparatus. N. Rozenberg. Nar. obr. no. 1:96-99 Ja '63.

TECHNICAL ASSISTANCE, RUSSIAN see subdivision under Afghanistan; Asia

TECHNICAL CHEMISTRY see Chemistry, Technical

TECHNICAL EDUCATION

(see also subdivision under Africa; Azerbaijan; Dnepropetrovsk Province; Georgia; White Russia)

Akademiiia pedagogicheskikh nauk RSFSR, Moscow.

[Training of the teachers of general technical and industrial subjects for secondary general schools] O podgotovke uchitel' obshchetechnicheskikh i proizvodstvennykh dissiplin dlia srednei obshcheobrazovatel'noi shkoly. Pod red. K. A. Ivanovicha. Moskva, 1962, 146 p.

Editor's mail. Sred. spets. obr. 10 no. 1:43-55 Ja '63.

Expanding the general technical outlook of evening (staggered) school students. O. F. Fedorova. Sov. pedagog. 26 no. 8:88-94 Ag '62.

First results of our work. N. K. Kushnarenko. Sred. spets. obr. 10 no. 1:7-9 Ja '63.

For a creative approach to technical education. P. Jonkin, M. Chilikin, A. Sokolov. Kommunist 39 no. 2: 124-128 Ja '63.

General section at a technical school. V. P. Pykhian. Sred. spets. obr. 10 no. 1:39-42 Ja '63.

Improve the planning and organization of training qualified workers. G. Zelenskii, N. Zabelin. Plan. khoz. 40 no. 1:11-19 Ja '63.

International unit system (SI) and its application in teaching in technical schools; answers to editor's mail. Sred. spets. obr. 9 no. 11:53-63 N '62.

Let's improve the academic schedule of correspondence students. I. I. Grigor'ev. Sred. spets. obr. 10 no. 1: 17-20 Ja '63.

Metalworkers are learning. M. Kh. Liberman. Metallurg 8 no. 1:31-32 Ja '63.

Our interviews. Sred. spets. obr. 9 no. 11:6-34 N '62.

Ways to improve technical education in schools. T. V. Kudrinskaya, I. S. Iakimanskaya. Sov. pedagog. 26 no. 12: 35-43 D '62.

What kind of technician does industry need? V. I. Strelnikov. Sred. spets. obr. 9 no. 11:28-30 N '62.

Work of a foreign language study group. N. S. Meshcheriakova, A. I. Ganchenko. Sred. spets. obr. 10 no. 1:35-38 Ja '63.

TECHNICAL LIBRARIES

(see also subdivision under Ust'-Kamenogorsk)

Let's give information about new developments. I. Letunova. Bibliotekar' no. 1:15-16 Ja '63.

"Promoting library and bibliographical knowledge in technical libraries" by S. S. Tepitskaya. Reviewed by E. V. Iensh. Sov. bibl. no. 6:40-43 '62.

TECHNICAL SOCIETIES

At the Department for Technological Sciences of the Academy of Sciences; meeting of the Section on Power Fuel, and Transportation. Vest. AN SSSR 33 no. 1: 111-112 Ja '63.

Organizational structure of the initial nucleus of a scientific and technological society. I. V. Belov. NTO 4 no. 11:44-45 N '62.

TECHNICAL SOCIETIES—CONGRESSES

Toward a new development of the activity of societies. NTO 4 no. 11:2-7 N '62.

TECHNICIANS IN INDUSTRY

(see also subdivision under Gorky Province)

Let's strengthen contact with life! Vest. vys. shkoly 20 no. 12:3-5 D '62.

TECHNOLOGICAL INNOVATIONS

(see also subdivision under Belgorod Province; Czechoslovakia; Leningrad; Lvov Province; Rostov Province; Solnechegorsk; Tula Province; Uzbekistan; White Russia)

Along the path of technical progress. D. Poljakov, V. Kryshchenko. Nauka i zhyt'ia 12 no. 9:18-18 S '62.

At various latitudes. Znan. ta pratsia no. 11:18-19 N '62.

At various latitudes. Znan. ta pratsia no. 12:22 D '62.

Brief news. Nauka i zhyt'ia 29 no. 11:40-41 N '62.

Correspondence in brief. Tekh. mol. 30 no. 12:8-9 '62.

Discussion of scientific problems posed by technological innovations; joint conference of the Departments of Technological Sciences of the Academy of Sciences of the U.S.S.R. and the Academy of Sciences of the Ukrainian S.S.R. B. S. Vlahutskov. Vest. AN SSSR 33 no. 1:114-117 Ja '63.

Figures and facts. NTO 4 no. 11:10-11 N '62.

For further technological development. Mashinostroitel' no. 12:1 D '62.

For workers of light industry. NTO 4 no. 9:52-53 S '62.

Foreign news. NTO 4 no. 11:53-54 N '62.

Foreign news. NTO 4 no. 12:52-53 D '62.

From the great to ridiculous. M. Libina. Znan. ta pratsia no. 11:29 N '62.

Hypotheses, suggestions, projects. Znan. -siba 37 no. 10:42-43 O '62.

In the State Committee on Automation and Machinery Manufacture at the Council of Ministers of the U.S.S.R. Mekh. i avtom. proizv. 16 no. 12:54-55 D '62.

In the whole world. Znan. -siba 37 no. 11:16-17 N '62.

Information from abroad. NTO 4 no. 9:54-55 S '62.

Leshkovtsev, V. A. [Horizons of science] Gorizonty nauki. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Estestvennonauchnyi fakul'tet, no. 1)

Modernizing equipment. N. A. Kriazhev. Avt. prom. 28 no. 12:34 D '62.

New exhibits at the Exhibition of the National Achievements of the U.S.S.R. NTO 4 no. 9:42-43 S '62.

New technological processes are a basis for an over-all automation of industrial production. Avt. prom. 20 no. 1:1-2 Ja '63.

News in science and technology. Nauka i zhyt'ia 12 no. 10:13, 16 O '62.

News of science and technology. Nauka i zhyt'ia 12 no. 9:47 S '62.

News of Soviet science and technology. NTO 4 no. 11: 46-47 N '62.

Petrov, A. P. [Awarding bonuses for creating and introducing new technological methods; legal problems] Premirovanie za sozdanie i vnedrenie novoi tekhniki; pravovye voprosy. Moskva, Gosizdat, 1962. 57 p.

Precision and enthusiasm. E. Slutskii. NTO 4 no. 11: 12-14 N '62.

Results of creative cooperation. N. Dubrov, V. Levitin. NTO 4 no. 9:17-18 S '62.

Science and the future. M. Semenov. Nauka i zhyt'ia 12 no. 11:4-9 N '62.

Science, technology, and progress. O. Shcherban'. Nauka i zhyt'ia 12 no. 7:2-3 Ji '62.

Survey of new equipment. A. Sinitsyn. NTO 4 no. 12: 10 D '62.

Technological information. S. Gandz'ing and others. Okhr. truda i soiz. strokh. 6 no. 1:34-37 Ja '63.

Technological innovations. N. Pokhdov. Sem'ia i shkola 18 no. 1:46 Ja '63.

That can be used in your plant. Mashinostroitel' no. 12: 24-25 D '62.

Workers' presents for the celebration of October. NTO 4 no. 11:1 N '62.

TECHNOLOGICAL INNOVATIONS—BIBLIOGRAPHY see Bibliography—Technological innovations

TECHNOLOGICAL INNOVATIONS—NONFERROUS METAL INDUSTRIES see subdivision under Leningrad

TECHNOLOGY

Acceleration of scientific and technological progress is a problem of national importance. K. Klimenko. Kommunist 39 no. 2:49-55 Ja '63.

Around the world. Tekh. mol. 30 no. 12:32-33 '62.

Bibliographically opening up the contents of foreign literature on science and technology. I. A. Gruzdnova. Opyt rab. bibliot. s inostr. lit. no. 3:28-31 '60.

From foreign journals. Tekh. mol. 30 no. 12:17 '62.

Technological processes in the year 2,000 [translated from the German]. Manfred von Ardenne. NTO 4 no. 11:49-52 N '62.

TECHNOLOGY—ABBREVIATIONS

Some abbreviations and symbols accepted for use in the principal American and British publications of the textile industry. Tekst. prom. 22 no. 12:88-90 D '62.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—CONGRESSES

Discussion of scientific problems posed by technological innovations; joint conference of the Departments of Technological Sciences of the Academy of Sciences of the U.S.S.R. and the Academy of Sciences of the Ukrainian S.S.R. B. S. Vlahutskov. Vest. AN SSSR 33 no. 1:114-117 Ja '63.

- TECHNOLOGY—INFORMATION SERVICES**
Permanent seminars on technical information. R. I. Turkina. Tekst.prom. 22 no.12:83-84 D '62.
- TEETH—CARE AND HYGIENE**
Dental hygiene. O. Lopatina. Sem'ia i shkola 17 no.9:47 S '62.
- TEITELBAUM, DORA**
"Ballad of Little Rock" [in Yiddish] by Dora Teitelbaum. Reviewed by K. V. Zhan, mira no.2:32 '62.
- TEKTITE**
Expedition "after the mystery of tektites." G. G. Vorob'ev. Nauka i zhizn' 29 no.11:85 N '62.
- TELECOMMUNICATION**
Concerning a certain method for optimizing the structure of a communication network. A. I. Tolchan. Probl.pered.inform. no.11:133-146 '62.
Condition of the independence of the probability of states of a servicing system on the nature of the distribution of the servicing time. I. N. Kovalenko. Probl.pered.inform. no.11:147-151 '62.
An experimental 12-channel apparatus with pulse-code modulation. Elektrosviaz' 16 no.12:59-65 D '62.
High-speed ferrographic recording of digital data. I. F. Gordon and others. Elektrosviaz' 16 no.12:26-32 D '62.
Interference generated by the nonlinear elements of electric power distribution networks. I. U. A. Morozov. Sbor.rab.po vop.elektromekh. no.7:322-326 '62.
Matrix of second moments of time distribution for a multiple line system with limited number of waiting parties. V. P. Shval'v. Probl.pered.inform. no.11:110-116 '62.
Statistical coding in telemechanics [with summary in English]. R. R. Yasit'ev, G. A. Shastova. Avtom. i telem. 24 no.1:82-91 Ja '63.
Study of the losses of link connections during the attempt of the marker to achieve a limited number of connections. I. A. V. Fidin. Probl.pered.inform. no.11:124-132 '62.
Use of the contact network of electrified railroads for high-frequency telecommunications. I. U. A. Morozov. Sbor.rab.po vop.elektromekh. no.7:326-330 '62.
Wider use of rural electric power distribution lines for telecommunication purposes. A. S. Sergievskii. Mekh. i elek.sots.enkhoz. 20 no.6:50-52 '62.
- TELECOMMUNICATION—BIBLIOGRAPHY** see Bibliography—Telecommunication
- TELECOMMUNICATION—EMPLOYEES**
(see also subdivision under Adzharia)
- Leading workers of socialist competitions. Vest. sviazi 22 no.12:29 D '62.
Let's be proud of the work of Soviet telecommunication workers. Vest.sviazi 22 no.12:2 D '62.
Use of a new wage system in maintenance departments. K. D. Lundin. Vest.sviazi 22 no.12:28-29 D '62.
Winners in socialist competition. Radio no.1:5 Ja '63.
- TELEGRAPH**
Comparative characteristics of frequency and relative phase telegraphy systems in a channel with fading. V. K. Georgiev. Elektrosviaz' 16 no.12:14-18 D '62.
Tintman, N. I., and S. S. Gusev. [Wire communications] Provodnaya sviaz'. Moskva, Sviaz'izdat, 1962. 290 p.
- TELEGRAPH—ACCOUNTING**
Use of broad estimates for establishing the number of teletype operators. I. M. Babashkin. Vest.sviazi 22 no.12:21-22 D '62.
- TELEGRAPH—EMPLOYEES**
Use of broad estimates for establishing the number of teletype operators. I. M. Babashkin. Vest.sviazi 22 no.12:21-22 D '62.
- TELEGRAPH—HANDBOOKS, MANUALS, ETC.**
"A telegraphy course" by N. B. Zeltger and others. Reviewed by A. I. Kordobovskii. Vest.sviazi 22 no.12:30 D '62.
- TELEMETERING**
Digital converters for compensating nonlinearity in telemetering systems. A. E. Bartmer, N. D. Mikhailova, V. E. Chernyshev. Sbor.rab.po vop.elektromekh. no.7:314-322 '62.
Efficiency of optimal coding of the primary meter scale in pulse-code telemetering systems [with summary in English]. M. A. Kaganov. Avtom. i telem. 24 no.1:82-96 Ja '63.
Optimum power-supply frequency of inductive converters with solid magnetic circuit. A. A. Ter-Khachaturov. Izv.vys.ucheb.zav.; nef't i gaz 5 no.4:105-109 '62.
Telemetering in foreign oceanography. V. M. Lifshits. Meteor. i gidrol. no.1:53-55 Ja '63.
- TELENOMUS**
How to keep and propagate Telenomus laevisculus Ratz in orchards. I. U. S. Romanova. Zashch.rast. ot vred.i bol. 5 no.10:36-37 O '60.
- TELEPHONE**
(see also subdivision under Uzbekistan)
Experience in the use of semiautomatic telecommunication systems. N. A. Turkina. Vest.sviazi 22 no.12:16-17 D '62.
Splitting of two-wire channels in L.A.T.s departments for links between operators. I. A. I. Ginzburg. Vest.sviazi 22 no.12:12-14 D '62.
Tintman, N. I., and S. S. Gusev. [Wire communications] Provodnaya sviaz'. Moskva, Sviaz'izdat, 1962. 290 p.
- TELEPHONE—EQUIPMENT AND SUPPLIES**
A blocking device for rural automatic telephone exchanges. I. P. Nechaeva. Vest.sviazi 22 no.12:9-10 D '62.
A modernized cabinet-type telephone apparatus with a two-way amplifier. M. A. Slutsker. Vest.sviazi 22 no.12:7-8 D '62.
- TELEPHONE, AUTOMATIC**
New features of long distance communication. A. Abdul-lin. Nauka i zhizn' 12 no.7:38-39 Ji '62.
Total losses of several stages of search. B. S. Livshits, I. A. V. Fidin. Elektrosviaz' 16 no.12:43-55 D '62.
- TELEPHONE LINES**
Experience in the use of cable communication lines in mountainous areas. S. I. Shaikin. Vest.sviazi 22 no.12:20-21 D '62.
Splitting of two-wire channels in L.A.T.s departments for links between operators. I. A. I. Ginzburg. Vest.sviazi 22 no.12:12-14 D '62.
- TELESCOPE**
(see also subdivision under Alma-Ata)
Activity of Academician F. Blombach in examining the quality of large-size astronomical instruments ordered in England for the Pulkovo observatory [with summary in English]. A. Krylov, I. Rabinovich. Izv. AN Latv. SSR no.4:143-149 '61.
Study of position transducers for use in digital control systems of telescopes. R. G. Vinogradova, V. A. Miasnikov. Sbor.rab.po vop.elektromekh. no.7:180-191 '62.
- TELETYPE**
Analysis of the operational faults of the ST-35 teletypewriter. A. S. Selivanov. Vest.sviazi 22 no.12:11-12 D '62.
Tintman, N. I., and S. S. Gusev. [Wire communications] Provodnaya sviaz'. Moskva, Sviaz'izdat, 1962. 290 p.
- TELEVISION**
(see also subdivision under Uzbekistan)
Methodology for conducting subjective measurements of the conspicuity of interference in television images. M. G. Lokshin. Elektrosviaz' 16 no.12:66-69 D '62.
- TELEVISION—BIBLIOGRAPHY** see Bibliography—Television
- TELEVISION—CENSORSHIP** see subdivision under France
- TELEVISION—EQUIPMENT AND SUPPLIES**
An automatic device for switching off a television receiver. I. U. Shkunnikov. Radio no.1:43 Ja '63.
- TELEVISION—INTERFERENCE**
Organizing of a campaign against industrial interference to radio and television reception. M. L. Zakharov. Vest.sviazi 22 no.12:19-20 D '62.
- TELEVISION—PICTURE TUBES**
Reducing the screen burning and printing of fixed images on the superorthicon target [with summary in English on p. 98]. B. A. Berlin. Tekh.kino i telev. 7 no.1:48-55 Ja '63.
- TELEVISION—RECEIVERS AND RECEPTION**
A television receiver. A. Piltakian. Radio no.1:26-29 Ja '63.
Wide-screen television. V. Babenko. Radio no.1:24-25 Ja '63.
- TELEVISION AND CHILDREN**
Television and children. V. Zaferskii. Sem'ia i shkola 17 no.12:44 D '62.
- TELEVISION BROADCASTING**
(see also subdivision under Cuba; Tiflis)
Bilingual sound broadcasting of television programs [with summary in English on p. 96]. L. M. Kononovich. Tekh.kino i telev. 7 no.1:7-13 Ja '63.
"Intervision," 1963. Sov. pech. no.1:34-36 Ja '63.
Men and events. L. Tarasov. Sov. pech. no.1:31-34 Ja '63.
- TELEVISION BROADCASTING OF FILMS**
Narrow-film equipment for television broadcasting of films [with summary in English on p. 98]. N. I. Tel'mov, L. G. Tarasenko. Tekh.kino i telev. 7 no.1:69-77 Ja '63.
- TELEVISION IN AERONAUTICS**
Aerial television reconnaissance. S. P. Sychev. Mor. sbor. 46 no.1:31-36 Ja '63.
People of winged profession. I. U. Sokolov. Grazhd. av. 19 no.11:24-25 N '62.
- TELEVISION IN ASTRONOMY**
Moon on the screen of a television telescope. N. F. Kuprevich. Nauka i zhizn' 29 no.11:66-68 N '62.
- TELEVISION IN EDUCATION**
Organizing educational television in the largest capitalist countries of the world. D. I. Poltorak, A. M. Gelfmont. Sov.pedag. 26 no.8:104-115 Ag '62.
- TELEVISION IN INDUSTRY**
Television methods and equipment for the automatic control of blooming mill mechanisms [with summary in English on p. 96]. V. A. Rabinovich. Tekh.kino i telev. 7 no.1:55-62 Ja '63.
- TELEVISION PLAYS—TECHNIQUE**
Motion picture in a few days. M. Haraleva. Znan. i pratsa no.12:15 D '62.
- TELEVISION PROGRAMS**
Prepare better radio and television program guides. Part. zhizn' no.4:78 F '63.
- TELLURIUM**
Chilling of castings by the method of local internal annealing. L. I. Kozhinskii. Izv.vys.ucheb.zav. pchera. met. 5 no.12:146-152 '62.
Melting curve of tellurium at pressures up to 23,000 kg./cm². N. A. Tikhomirova, S. M. Stishov. Zhur. eksp.i teor.fiz. 43 no.6:2321 D '62.
- TELLURIUM-NICKEL ALLOYS** see Nickel-tellurium alloys
- TEMIR-TAU—INDUSTRIES**
There is still a lot to do. M. Akhieva. Nar. khoz. Kazakh. 20 no.10:28-29 O '62.
- TEMIR-TAU—IRON AND STEEL WORKERS—EDUCATION AND TRAINING**
Lecturers in the "Kazakhstan Magnitka." V. Dolgushin. Part. zhizn' no.4:50-57 F '63.
- TEMPERATURE**
Below absolute zero. D. A. Frank-Kamenetskii. Doz. such.fiz. no.6:56-64 '62.
- TEMPERATURE—MEASUREMENT**
The constant power source method. A. B. Vorzhinskii. Teplo- i massop. 1:57-60 '62.
Effect of the inertia of a mobile galvanometer system on the correctness of determining the cooling rate of bodies. G. M. Levin. Izv. AN Mold. SSR no.9:29-37 '62.
Method of temperature measurement on the brickwork surface of the coking chamber. K. G. Kaplanov. Koka i khim. no.12:29-33 '62.
Some research work carried out at the State Research Institute of Heat Engineering in the field of temperature measurement and determination of thermophysical properties. I. Zennarek. Teplo- i massop. 1:34-41 '62.
Study of the temperature fields of electrical apparatus using an evaporograph. I. I. Levitin and others. Vest. elektroprom. 34 no.1:18-23 Ja '63.
Temperature hysteresis. N. N. Medvedev. Teplo- i massop. 1:205-212 '62.
- TEMPERATURE—PHYSIOLOGICAL EFFECT**
Resistance of tissues in some synanthropic flies (Diptera, Calliphoridae and Muscidae) to high temperatures [with summary in English]. I. S. Amosova. Ent. oboz. 41 no.4:816-826 '62.
- TEMPERATURE REGULATORS**
Stand for regulating the temperature relay. N. D. Lushchenkov. Khol.tekh. 30 no.6:54 N-D '62.
- TENSIMETERS**
Soil moisture meter (tensiometer) and its use in the study of soil water balance [with summary in English]. K. N. Shishkov. Pochvovedenie no.8:100-105 Ag '62.
Tensiometric differential pressure gauge. V. S. Protopopov. Teploenergetika 10 no.1:92-93 Ja '63.
- TENT CATERPILLARS—BIOLOGICAL CONTROL**
How to keep and propagate Telenomus laevisculus Ratz in orchards. I. U. S. Romanova. Zashch.rast. ot vred.i bol. 5 no.10:36-37 O '60.
- TENTS** see subdivision under Kazakhstan
- TER-AKOPOV, GEORGH DANILOVICH, 1899-1961**
G. D. Ter-Akopov; obituary. Izv. AN Arm. SSR. Ser.tekh. nauk no.4:36 '61.
- TEREKTIISKIY DISTRICT—FINANCE**
Financial work in rural areas. P. Kulagin. Sov.deput. trud. no.1:32-38 Ja '63.
- TEREPHTHALIC ACID**
Orientation of crystallites in a polyethylene terephthalate film. Part 1 [with summary in English]. D. I. A. Tsvankin. Vysokom.socd. 5 no.1:123-128 Ja '63.

TEREPHTHALIC ACID (Continued)

Orientation of crystallites in a polyethylene terephthalate film. Part 2 [with summary in English]. D. I. A. TSvonkin. *Vysokom. soed.* 5 no. 1:129-134 Jan '63.
Synthesis of vinyl esters of terephthalic acid. T. N. Veretenova, F. N. Stepanov. *Zhur. ob. khim.* 33 no. 1: 91-94 '63.

TERMS AND PHRASES

The essence of a term [with summary in English]. N. P. Kuz'min. *Vest. LGU* 17 no. 20:136-146 '62.

TERPENES

Determination of the structure of a terpene residue in a phenyl terpene ether obtained from camphene and phenol. L. A. Kheifits, G. I. Moldovanskaya, G. P. M'ina. *Zhur. ob. khim.* 32 no. 12:4096-4097 D '62.

TERRA COTTAS, GREEK

Two terra-cotta statuettes in the collection of the State Museum of Fine Arts. N. N. Britova. *Soob. GMI* [no. 1]:9-13 '60.

TERRACES (GEOLOGY) see subdivision under *Kuban Valley*

TERRESTRIAL MAGNETISM see *Magnetism, Terrestrial*

TERZIEV, NIKOLAI VLADIMIROVICH, 1890-1962

N. V. Terziev; obituary. *Izv. vys. ucheb. zav. prav.* 6 no. 4:194-195 '62.

TERZIEV-POROSHIN, NIKOLAI VLADIMIROVICH, 1891-1963

N. V. Terziev-Poroshin; obituary. *Sov. gos. i pravo* 33 no. 2:134 F '63.

TESTING LABORATORIES see subdivision under *Moscow*

TESTING LABORATORIES—EQUIPMENT AND SUPPLIES

Device for automatic determination of the weight change of small samples. V. T. Efimov, I. I. Litvinenko. *Zav. lab.* 28 no. 12:1529 '62.

Device for sampling liquid metals for hydrogen by means of evacuation. E. S. Levin, K. T. Kurochkin, P. V. Umrikhin. *Zav. lab.* 20 no. 12:1530-1531 '62.

Electric steam generator for high pressures for laboratory apparatus. A. G. Chlenov, S. P. Tomazov. *Zav. lab.* 28 no. 12:1531 '62.

Laboratory vibratory feeder for fine powders. V. I. Elchina, A. A. Sidorov. *Zav. lab.* 28 no. 12:1527-1528 '62.

TESTING MACHINES

Apparatus for high temperature tests (up to 2000°C) of materials for tension in vacuum. A. N. Kobylkin, V. K. Grigorovich, V. B. Kishenevskii. *Zav. lab.* 28 no. 12: 1513-1515 '62.

Apparatus for measuring deformation in the process of gradual etching of layers during determination of residual stresses. L. Grubovskii. *Zav. lab.* 28 no. 12: 1515-1517 '62.

The NAMI planetary loaders for testing stands with a closed contour. I. I. Dymshits, M. M. Gekker. *Avi. prom.* 28 no. 11:29-31 N '62.

Portable apparatus with electromagnetic fastening for determining the yield point by the method without sampling. M. P. Markovets, A. F. Karaschuk. *Zav. lab.* 28 no. 12:1520-1521 '62.

Vibrometer for measuring the dynamic moduli of elasticity of soundproof and vibration-absorbing materials. G. S. Rosin, V. P. Bychkov. *Zav. lab.* 28 no. 12:1518 '62.

TESTOSTERONE

Experimental clinical study of the combined use of methyltestosterone, bromural and lecithin in vasomotor disturbances induced by castration and incretory insufficiency of the male sex glands [with summary in English]. B. A. Vartapetov, A. I. Gladkova, L. M. Shifman. *Trudy Ukr. nauch. -issl. inst. eksper. endok.* 18:272-283 '61.

TETIYEV DISTRICT—SOCIALIST COMPETITION

Work is our answer to the appeal of the party. R. Ivanova. *Komsom. zhizn'* no. 14:3-5 J1 '62.

TETRASILOXANE

Bromination of octamethylcyclotetrasiloxane. Part 3. A. I. Ponomarev, A. L. Klebanovskii. *Zhur. ob. khim.* 32 no. 12:4022-4026 D '62.

TETRATHIONIC ACID

Organic insectofungicides. Part 68: Preparation of salts of tetrathionic acid with aromatic amines. N. N. Mel'nikov, P. P. Trunov. *Zhur. ob. khim.* 32 no. 12: 4015-4017 D '62.

TEXTILE FABRICS

New light-fast direct dyes. A. G. Emel'janov, R. M. Sheftel'. *Tekst. prom.* 22 no. 12:60-63 D '62.

Old articles and new requirements. S. Safikhov. *Sov. torg.* 36 no. 11:15-18 N '62.

TEXTILE FACTORIES see subdivision under *Kostroma; Ukraine*

TEXTILE FACTORIES—EQUIPMENT AND SUPPLIES

From the pages of factory newspapers. *Khim. volok.* no. 6:73-75 '62.

Over-all mechanization of the sorting and inspection section in weaving factories. L. P. Kaganovich. *Tekst. prom.* 22 no. 12:37-39 D '62.

Work of the composite crews of inventors and efficiency promoters. S. L. Moshkovskii. *Khim. volok.* no. 6:65 '62.

TEXTILE FIBERS—TESTING

Methods of determining the length and irregularity of fibers. G. A. Shumilov. *Tekst. prom.* 22 no. 12:63-65 D '62.

TEXTILE FIBERS, SYNTHETIC

(see also subdivision under *Mogilev*)

Economic profitability of a speeded-up development of the production of acetate cellulose fibers. V. A. Sokolova, I. U. A. Kestrov. *Khim. volok.* no. 6:28-30 '62.

Formation of fiber from modified and nonmodified viscose in precipitation baths containing zinc sulfate. 16th report on the formation mechanism of viscose monofilaments. H. Klare and others. *Khim. volok.* no. 6:14-21 '62.

Grafting of polyacrylonitrile and polyvinyl acetate to polypropylene fibers. U. Zhun-zhut [Wu Jung-jui]. Z. A. Rogovin, A. A. Konkin. *Khim. volok.* no. 6:11-14 '62.

News of science and technology abroad. *Khim. volok.* no. 6:69-71 '62.

Process of acetylation of fiber from polyvinyl alcohol. K. E. Perepelkin, L. E. Utevska. *Khim. volok.* no. 6: 7-10 '62.

Processing of polyester fibers in foreign countries; sizing and finishing. E. I. A. Kozlov. *Tekst. prom.* 22 no. 12:76-78 D '62.

Progress in the field of fiber- and film-forming polymers (from "Faserf. u. Textiltech." no. 6, 1962). *Khim. volok.* no. 6:65-68 '62.

Prospects for the development of the production and uses of synthetic fibers. G. E. Birger, E. P. Ivanova, G. A. Kirsanova. *Khim. volok.* no. 6:2-6 '62.

Slightly stretchable triest fabrics made with synthetic and rayon yarn. A. I. Kobliakov, L. B. Stepanova. *Tekst. prom.* 22 no. 12:40-44 D '62.

Unusual thread. L. Smirnov. *Nauka i zhytiya* 12 no. 7: 22-23 J1 '62.

TEXTILE FIBERS, SYNTHETIC—BIBLIOGRAPHY see *Bibliography—Textile fibers, Synthetic*

TEXTILE FIBERS, SYNTHETIC—OPTICAL PROPERTIES

Measuring the force of birefringence of synthetic fibers. S. A. Novikova, R. S. Ivanova. *Khim. volok.* no. 6:34-36 '62.

TEXTILE FIBERS, SYNTHETIC—TESTING

Study and evaluation of the spinning characteristics of the new synthetic fibers. L. I. Puchkova. *Nauch. -issl. trudy TSNKHBi* za 1958 g. 3:3-20

TEXTILE FINISHING

Antishrink finishing of raincoat fabrics. M. I. Strakhov. *Bul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 12:50 '62.

Selecting the new types of auxiliary preparations and their use in textile finishing. A. A. Ermolova, M. I. Lobanova. *Nauch. -issl. trudy TSNKHBi* za 1958 g. 1:144-157

TEXTILE INDUSTRY

(see also subdivision under *Ivanovo Province; Moscow; White Russia*)

Brief notes on new developments in foreign technology. *Tekst. prom.* 22 no. 12:78-80 D '62.

For workers in light industry. I. U. Alekseev. *V mire knig* 2 no. 12:15-17 D '62.

The textile industry in 1963. N. E. Chesnokov. *Tekst. prom.* 22 no. 12:1-3 D '62.

TEXTILE INDUSTRY—ACCOUNTING

"Statistics in textile factories" by I. A. V. Vidrevich; "Analysis of the financial activities of textile enterprises" by G. M. Meerovich. Reviewed by L. A. Matzlin. *Tekst. prom.* 22 no. 12:81-82 D '62.

TEXTILE INDUSTRY—HYGIENIC ASPECTS see subdivision under *Orsha; Smolensk*

TEXTILE INDUSTRY—LABOR PRODUCTIVITY see subdivision under *Frunze*

TEXTILE INDUSTRY—STATISTICS

"Statistics in textile factories" by I. A. V. Vidrevich; "Analysis of the financial activities of textile enterprises" by G. M. Meerovich. Reviewed by L. A. Matzlin. *Tekst. prom.* 22 no. 12:81-82 D '62.

TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under *Kirghizistan*)
Permanent seminars on technical information. R. I. Turkina. *Tekst. prom.* 22 no. 12:83-84 D '62.

TEXTILE MACHINERY

(see also subdivision under *Mogilev; Uzbekistan*)

Abramov, S. A. [Equipment and technology for the steam setting of capron hosiery] *Osnovovaniya i tekhnologiya zaparivaniya kapronovykh chulok*. Moskva, Rostekhlizdat, 1962, 140 p.

New textile machinery and mechanisms. S. V. Pigolev. *Mashinostroitel'* no. 12:37-39 D '62.

ShAK-15-1 unit for the production of capron staple fiber. V. L. Forer, G. M. Gutman. *Khim. volok.* no. 6:37-38 '62.

The SP-180-1 high-speed beam warping machine with the Sh-1000-1 bobbin holder for intermittent warping. K. M. Borisov. *Bul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 12:48-50 '62.

Standard types of weaving equipment. I. U. V. Kurenkov, V. A. Kokorev, V. B. Livshits. *Mekh. i avtom. proizv.* 16 no. 12:39-45 D '62.

Textile and dry goods industry; new developments in foreign technology. *Tekst. prom.* 22 no. 12:55-57 D '62.

TEXTILE MACHINERY—COOLING

Vsesoluznyi nauchno-issledovatel'skii institut okhrany truda. [Working principles, design, and calculation of the cooling chambers for thermal apparatus, dryers, and ripeners] *Ustroistvo i raschet okhladitel'nykh kamer k termicheskim apparatam, sushilkam i zrel'nika; v pomoshch' inzhenerno-tekhnicheskim rabotnikam predpriyatiy, proektnym organizatsiyam, SKB i zavodam tekstil'nogo mashinostroyeniya*. Ivanovo, 1962, 16 p. [MICROFILM]

TEXTILE MACHINERY—CORROSION

Manufacture of machine parts from chemically stable titanium and its alloys. G. V. Talaeva, T. V. Dudzduk. *Khim. volok.* no. 6:44-46 '62.

Protection of machine parts from corrosion in the production of synthetic fibers. E. M. Kirshon. *Khim. volok.* no. 6:41-44 '62.

TEXTILE RESEARCH

Contribution of a scientific research laboratory to production. A. I. Vozdukhova. *Tekst. prom.* 22 no. 12: 84-85 D '62.

TEXTILE WORKERS

Investigation of the effect of physical education interventions in the textile industry. I. V. Lovtinskaya, S. L. Feigin. *Teor. i prak. fiz. kul't.* 25 no. 11:52-54 N '62.

TEXTILE WORKERS—EDUCATION AND TRAINING see subdivision under *Bukhara*

THALLIUM

Absorption spectra of NaI crystals as dependent on the thallium concentration at various temperatures. O. B. Lyskovych, V. I. Vaidanych, N. K. Guseva. *Ukr. fiz. zhur.* 7 no. 10:1129-1131 O '62.

Crystalline structure of a high-temperature modification of thallium. E. G. Ponomarevskii, A. I. Zakharov. *Kristallografiya* 7 no. 3:461-463 My-Je '62.

THALLIUM ELECTRODES see *Electrodes, Thallium*

THALLIUM HALIDE CRYSTALS

Thallium halide single crystals and some of their properties. V. A. Sokolov, N. A. Tolstol. *Kristallografiya* 7 no. 3:389-393 My-Je '62.

THEATER

(see also subdivision under *Abkhazia; Czechoslovakia; Germany, West; Moscow; Uzbekistan*)

Akademii nauk SSSR. Institut istorii iskusstv. [Theater and music; documents and materials] *Teatr i muzyka; dokumenty i materialy*. Moskva, Izd-vo Akad. nauk SSSR, 1962, 192 p.

Prokof'ev, V. N. [In debates on Stanislavskii] *V sporakh o Stanislavskom*. Pod red. G. Kristi. Moskva, Iskusstvo, 1962, 271 p.

Theater and drama in A. Blok's critical works written during the Revolution of 1905 [with summary in English]. I. U. K. Gerasimov. *Vest. LGU* 17 no. 20:73-85 '62.

THEILERIASIS

(see also subdivision under *Azerbaijan*)

Changes in cholesterol metabolism in cattle theileriasis. M. A. Alizade. *Trudy Azer. nauch. -issl. vet. inst.* 13: 234-237 '62.

Effect of ascorbic acid and carotene on bilirubinemia in cattle theileriasis. M. A. Alizade. *Trudy Azer. nauch. -issl. vet. inst.* 13:226-233 '62.

Effect of vitamin therapy on carbohydrate metabolism in cattle theileriasis. M. A. Alizade. *Trudy Azer. nauch. -issl. vet. inst.* 13:225-228 '62.

Functional checkup of the liver of cattle infected with theileriasis by the Takata-Ara test. M. A. Alizade. *Trudy Azer. nauch. -issl. vet. inst.* 13:221-224 '62.

Studying the metabolism in animals infected artificially and spontaneously with theileriasis. M. A. Alizade. *Trudy Azer. nauch. -issl. vet. inst.* 13:215-220 '62.

THEOBROMINE

Synthesis of theobromine-8-aldehyde and some of its transformations. E. S. Golovchinskaya, Mokhammad Iasin Ebed, E. S. Chaman. *Zhur. ob. khim.* 32 no. 12: 4097-4098 D '62.

- THEODOLITES**
Geodetic basis of phototheodolitic surveying of valley glaciers. IU. F. Knizhnikov. Vest. Mosk. un. Ser. 5: Geog. 17 no. 6:70-72 N-D '62.
- THEOLOGICAL SEMINARIES** see subdivision under Leningrad; Moscow
- THEORY OF ERRORS** see Errors, Theory of
- THEORY OF GROUPS** see Groups, Theory of
- THERMAL DIFFUSIVITY**
On the existence of a "negative" enrichment effect in the thermal diffusion of gases through porous media. B. N. Goshchitskii, L. S. Izrael'vich. Dokl. AN SSSR 147 no. 4:817-818 D '62.
- THERMAL INSULATION** see Insulation (Heat)
- THERMAL STRESSES**
Stressed state of an electrolytic chromium plating. G. A. Kusmirskaya. Metalloved. i term. obr. met. no. 12:40-43 D '62.
Temperature deformations of hard-alloy cutting tools. E. V. Ryzhov, P. A. Vishniakov. Vest. mashinost. 42 no. 12:63-65 D '62.
- THERMAL STRESSES—MEASUREMENT**
Using the freezing and defreezing method in investigating the distribution and concentration of thermoelastic stresses. N. I. Prigorovskii, G. S. Vardanian. Probl. prochn. v mashinost. no. 8:56-68 '62.
- THERMAL WATERS**
Hot ocean. B. Riabinin. Nauka i zhytiia 12 no. 11:48-52 N '62.
- THERMIONIC EMISSION**
Study of evaporation and thermionic emission by means of a three-ribbon filament ion source [with summary in English]. M. S. Chupakhin. Zhur. anal. khim. 17 no. 6:665-669 S '62.
- THERMISTORS**
Derbo, I. F. [Semiconductor thermistors and photoresistors] Poluprovodnikovye termosoprotivleniia i fotosoprotivleniia. [Tambov] Tambovskoe knizhnoe izd-vo, 1961, 110 p.
Methodology for compensating temperature differences of the characteristics of semiconductor thermistors [with summary in English]. M. A. Kaganov.
Thermal inertia of a thermistor in circuits for the measurement of fluctuating quantities [with summary in English]. N. V. Antonishin. Inzh.-fiz. zhur. 6 no. 1: 46-53 Ja '63.
- THERMOCHEMISTRY**
Study of thermochemical processes in spectrum analysis. N. F. Zakharova, O. P. Turulina, N. A. Fuga. Izv. AN SSSR, Ser. fiz. 27 no. 1:4-5 Ja '63.
- THERMOCOUPLES**
Divergence of the results of calibration of standard first grade thermocouples in the institutes of the committee B. K. Bragin, A. N. Gordov. Trudy inst. Kom. stand., mer i izm. prib. no. 51:82-84 '61.
Immersion thermocouple tips made of zirconium dioxide with a high thermal stability. O. M. Margulis and others. Ogneupory 27 no. 12:552-555 '62.
Reproduction and transmission of temperature scale in the range of 300 to 1,063°C. by means of thermocouples. N. N. Ergardt. Trudy inst. Kom. stand., mer i izm. prib. no. 5:73-81 '61.
- THERMOCOUPLES—TESTING**
Method for determining the parasitic thermoelectromotive force of the nonuniformity of thermocouples. N. N. Ergardt. Trudy inst. Kom. stand., mer i izm. prib. no. 51:89-97 '61.
- THERMODYNAMICS**
Aerodynamic characteristics of the torch at the tip of burners with tangential blade supply of the air. R. B. Akhmedov. Teploenergetika 10 no. 1:28-33 Ja '63.
Calculation of thermal diffusion in laminar flow of an incompressible viscous liquid at high Prandtl numbers. A. M. Supontskii. PMTF no. 2:126-128 Mr-Apr '62.
Optimum formula for heat conducting fins taking into account mutual irradiation. V. V. Frolov. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:45-49 N-D '62.
Optimum formula for heat conducting radiation cooled fins. G. L. Grodzovskii. Izv. AN SSSR, Otd. tekhn. nauk. Energ. i avtom. no. 6:39-45 N-D '62.
Scientific and technical conference on applied thermodynamics. Khol. tekhn. 39 no. 6:67 N-D '62.
- THERMOELECTRIC APPARATUS AND APPLIANCES**
A low-inertia thermopile for studying radiative heat transfer. G. E. Ozhigov. Teplo- i massoper. 1:175-180 '62.
- THERMOELECTRICITY**
Method for observing the movement of the solid - melt interface while under the action of direct current. B. M. Mogilevskii, A. F. Chudnovskii. Fiz. tver. tela 5 no. 1:266-267 Ja '63.
- Thermo-emf. and thermomagnetic effects in alloys of the system $CdSnAs_2$ -2InAs. D. N. Nasledov, S. Ma-maev, O. V. Emel'ianenko. Fiz. tver. tela 5 no. 1: 147-150 Ja '63.
Use of the thermoelectric effect in semiconductors in determining their heat conductivity. A. F. Chudnovskii, B. M. Mogilevskii. Teplo- i massoper. 1:11-19 '62.
- THERMOKARST** see subdivision under Yakutia
- THERMOMAGNETISM**
Thermo-emf. and thermomagnetic effects in alloys of the system $CdSnAs_2$ -2InAs. D. N. Nasledov, S. Ma-maev, O. V. Emel'ianenko. Fiz. tver. tela 5 no. 1: 147-150 Ja '63.
- THERMOMETERS**
Determining the coefficient of linear expansion of quartz containers in the range of 0 to 100°C. A. N. Koroleva. Trudy inst. Kom. stand., mer i izm. prib. no. 51:224-229 '61.
Device for capacitance fixation of mercury level in a gas thermometer. K. S. Izrailov. Trudy inst. Kom. stand., mer i izm. prib. no. 51:12-22 '61.
Pulse noise thermometer. A. D. Brodskii, A. V. Savateev. Trudy inst. Kom. stand., mer i izm. prib. no. 51:110-115 '61.
Selecting conditions for maximum sensitivity of a pulse thermal noise thermometer and a possible method for determining its constants. A. V. Savateev. Trudy inst. Kom. stand., mer i izm. prib. no. 51:116-130 '61.
Standard resistance thermometers for measurements in the range of mean temperatures. F. Z. Alieva. Trudy inst. Kom. stand., mer i izm. prib. no. 51:44-48 '61.
- THERMOMETERS—TESTING**
International comparisons of resistance thermometers. F. Z. Alieva. Trudy inst. Kom. stand., mer i izm. prib. no. 51:49-66 '61.
- THERMOMETRY**
Applying the theory of heat exchange to the solution of some problems of temperature measurements. A. N. Gordov. Trudy inst. Kom. stand., mer i izm. prib. no. 51:172-184 '61.
Determining the temperature of working medium in the cylinder of a motor-vehicle diesel engine. M. G. Kruglov. Avt. prom. 28 no. 11:4-6 N '62.
Devices for determining dynamic errors of heat-sensing elements in measuring temperatures under conditions of varying heat transfer. A. N. Gordov, Z. U. Zaborovskaya, M. S. Kalandar. Trudy inst. Kom. stand., mer i izm. prib. no. 51:185-197 '61.
Experimental investigation of the method for determining dynamic errors in measuring gas-flow temperature in case of uniformly changing temperature and heat transfer. A. N. Gordov, Z. U. Zaborovskaya. Trudy inst. Kom. stand., mer i izm. prib. no. 51:198-220 '61.
Reproduction and transmission of temperature scale in the range of 300 to 1,063°C. by means of thermocouples. N. N. Ergardt. Trudy inst. Kom. stand., mer i izm. prib. no. 51:73-81 '61.
Thermodynamic temperatures of the equilibrium between solid and liquid zinc and between solid and liquid gold. N. V. Arof'eva and others. Trudy inst. Kom. stand., mer i izm. prib. no. 51:23-34 '61.
- THERMOSTAT**
Control characteristics of individual heat regulators for buildings heated from central stations. O. G. Linkhov, V. I. A. Khasilev. Shor. nauch. rab. AKKH no. 9:179-188 '61.
- THIAZOLE**
Chemistry of 2, 1, 3-thiadiazole. Part 10: Chlorination, bromination and the thiocyanation of 5-aminobenzotriazole. V. G. Posin, A. M. Khalitskii, V. A. Sergeev. Zhur. ob. khim. 33 no. 1:230-233 '63.
- THIAMINE**
Chromatopolarographic method of determining the thiamine content of wheat flour. G. P. Tikhomirova, S. L. Bilen'ka. Khar. prom. no. 4:59-60 O-D '62.
Effect of the aluminum salt on the polarographic behavior of thiamine [with summary in English]. G. P. Tikhomirova, S. L. Bilen'ka. Zhur. anal. khim. 17 no. 6:767-769 S '62.
Nucleotides, coferments, phosphoric esters. Part 1: Synthesis of a monophosphoric ester of thiamine phosphate. V. M. Berezovskii and others. Zhur. ob. khim. 32 no. 12:3890-3892 D '62.
Some data on the functional state of the thyroid gland in rats of varying ages during an excess administration of vitamin B₁ [with summary in English]. S. V. Maksimov, Z. V. Novokhatskaya, I. N. Sharkevich. Trudy Ukr. nauch.-issl. inst. eksp. endok. 18:71-76 '61.
Vitamin B₁ in the blood of cattle with the atony of the rumen. V. I. Tretyakov. Nauk. pratsi. Nauk.-dovl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:100-101 '61.
- THIAMINE—SPECTRA**
Spectroscopic study of the oxidation of vitamin C and its stabilization by vitamin B₁. C. Jonatis, B. Rubikaite. Izv. AN SSSR, Ser. fiz. 27 no. 1:45-47 Ja '63.
- Vitamin B₁ and C absorption spectra as dependent on concentration and the solvent. G. Jonatis, B. Rubikaite. Izv. AN SSSR, Ser. fiz. 27 no. 1:47-50 Ja '63.
- THIAZINE**
Quantitative determination of clay minerals in artificial mixtures of thiazine dyes. V. V. Gdzellishvili. Trudy Gruz NIIGM no. 21:219-224 '60.
- THIAZOLE**
Nitrogen and sulfur atoms as conductors of conjugation in the molecules of isomeric 2-styryl-4-arythiazole and 2-styryl-5-arythiazole with polar substituents. E. D. Sych, L. P. Umanskaya. Zhur. ob. khim. 33 no. 1:80-83 '63.
Synthesis of some thiodi- and thiotriazoles. R. G. Dubenko, I. N. Berzina, P. S. Peikis. Zhur. ob. khim. 33 no. 1:274-276 '63.
Thiazolopyranines. Part 10: Cyanine dyes from 2-methyl-4-styryl- and 2-methyl-5-styrylthiazoles. E. D. Sych, E. D. Smaznina-Ilijina. Zhur. ob. khim. 33 no. 1:74-79 '63.
2-Amino-4-(5-nitro-2-furyl)thiazole and its derivatives. S. A. Giller, N. O. Saidaboi, A. I. A. Medne. Zhur. ob. khim. 33 no. 1:317-318 '63.
- THIAZOLIDINE**
Derivatives of benzothiazolidine. A. E. Kretov, A. S. Beapalyi. Zhur. ob. khim. 33 no. 1:213-217 '63.
Furan series. Part 24: N-(β-mercaptoethyl) (furfuryl)amines and furfurylthiazolidines. K. I. Novitskii, I. U. K. Iur'ev, A. F. Oleinik. Zhur. ob. khim. 33 no. 1:59-71 '63.
- THICKNESS MEASUREMENT**
Thickness determination of metal foils by intensity change of the characteristic X rays. V. N. Karev, A. P. Klucharev, V. N. Mednikov. Zav. lab. 28 no. 12:1440-1451 '62.
- THIOLS**
Synthesis and transformations of unsaturated organosilicon compounds. Report No. 6: Synthesis and some transformations of organosilicon acetylenic mercaptans. N. V. Komarov, N. N. Vlasova. Izv. AN SSSR, Otd. khim. nauk no. 1:90-96 '63.
- THIOPENTAL**
Combined thiopental-novocaine anesthesia. V. P. Shakhov. Zdrav. Kazakh. 22 no. 7:11-13 '62.
- THIOPHENE**
Catalytic hydrogenation of 3-sulfolene. A. V. Mashkina, A. V. Khranov, V. I. Chernov. Khim. i kat. 3 no. 5:742-748 S-O '62.
- THIOPHENE—SPECTRA**
Spectra and halochromy of thiophene analogs of methoxychalcones and their vinyl analogs. V. F. Lavrushin, S. V. Tsukerman, V. M. Nikitchenko. Zhur. ob. khim. 32 no. 12:3971-3977 D '62.
- THIRST**
Mollusks as a source of drinking water in a desert. G. I. A. Krenke. Priroda 52 no. 1:120 '63.
- THISTLE**
Dikotex as an effective herbicide in the control of sow thistle. A. L. Tkachenko. Nauk. pratsi. asp. UASHN no. 5:90-93 '60.
- THIURAM DISULFIDE**
Reaction of polyethylene with sulfur in the presence of mercaptobenzothiazole and tetramethylthiuram disulfide [with summary in English]. B. A. Dogadkin, A. A. Donisov. Vysokom. speed. 5 no. 1:39-43 Ja '63.
- THORIUM**
Radium and thorium contents in andesite-basalt, andesite, and dacite. N. N. Shavrova. Blul. Vulk. sta. no. 33: 67-70 '62.
- THORIUM COMPOUND**
Complex formation of thorium with some hydroxycarboxylic acids. A. V. Lapitskii, I. Geletseanu, M. Beran. Radiokhimiia 4 no. 6:672-677 '62.
- THORIUM NITRATE**
Reciprocal influence of thorium and cerium (IV) nitrates in simultaneous extraction with tributyl phosphate. A. V. Nikolaev, I. U. A. Afanas'ev. Dokl. AN SSSR 147 no. 6:1380-1381 D '62.
- THOUGHT AND THINKING**
Cybernetics in school. L. Landa. Znan.-sila 37 no. 10: 33-35 O '62.
Thinking and cybernetics [with summary in English, p. 182]. V. M. Glushkov. Vop. filos. 17 no. 1:38-48 '63.
- THRIPS—EXTIRPATION** see subdivision under Kustanay Province
- THROMBOSIS**
"Problem of blood coagulation and thrombogenesis" by B. A. Kudr'ashov. Reviewed by D. M. Zubairov. Usp. sovr. biol. 54 no. 3:366-367 N-D '62.

THULIUM—DECAY

On Tu^{166} decay. E. P. Grigor'ev and others. Izv. AN SSSR, Ser. fiz. 16 no. 12:1488-1491 D '62.

THUNDERSTORMS

Thunderstorm. V. Muchnyk. Nauka i zhyttia 12 no. 9: 40-41 S '62.

THYMUS GLAND

Effect of prolonged hyperthyroidism on the adrenal cortex, thymus and spleen [with summary in English]. V. V. Mamina. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:42-49 '61.

THYROID GLAND

Correlation of form and function in the thyroid gland altered by goiter [with summary in English]. B. V. Alashin, N. G. TSarikovskaya, L. A. Us. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:7-31 '61.

Dependence of the cellular composition and structure of the insular apparatus of the pancreas on the state of thyroid function [with summary in English]. A. S. Breslavskii, V. M. Gordienko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:32-36 '61.

Influence of experimental neurosis on thyroid function and the effect of therapy of the neurosis using sodium bromide [with summary in English]. V. M. Gordienko. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:37-41 '61.

Methods for the regeneration of the thyroid gland. A. A. Voitkevich. Dokl. AN SSSR 147 no. 4:977-980 D '62.

Some data on the functional state of the thyroid gland in rats of varying ages during an excess administration of vitamin B₁ [with summary in English]. S. V. Maksimov, Z. V. Novolukhatskaya, I. N. Sharkevich. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:71-76 '61.

Synthesis of substances with antithyroid action, "mercazolil" [with summary in English]. I. B. Simon, I. I. Kovtunovskaya-Levshina. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:345-349 '61.

Synthesis of substances with antithyroid action, N₁-derivatives of 2-mercaptimidazoles [with summary in English]. I. I. Kovtunovskaya-Levshina. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:350-355 '61.

Thyrotropic function of the hypophysis in experimental tuberculosis [with summary in English]. T. K. Dzhiblinskaya, N. G. TSarikovskaya. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:103-107 '61.

THYROID GLAND—CANCER

Some problems in the clinical aspects of thyroid gland cancer [with summary in English]. N. G. TSarikovskaya. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:98-102 '61.

THYROID GLAND—DISEASES

(see also subdivision under Karaganda Province)

Morphology of the thyroid gland and the clinical and morphological parallelism in thyrotoxicosis [with summary in English]. I. S. Mastbaum. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:61-70 '61.

THYROIDIN

Character of the aftereffect from the prolonged feeding of thyroid gland on the evacuatory function of the stomach [with summary in English]. N. G. Leonov. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:93-99 '61.

TICKS

Leg of ticks of the order Parasitiformes and its terminology [with summary in English]. E. Kh. Zolotarev. Zool. zhur. 41 no. 11:1739-1741 N '62.

TIDAL POWER

On the Murman Coast and the English Channel. I. B. Bernshtein. Nauka i zhizn' 20 no. 11:58-64 N '62.

TIDES

Calculation of lunar and solar tidal influences on the results of gravity measurements. E. A. Mudretsova. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 10:113-119 O '62.

TIENTSHAN—COAL GEOLOGY

Spore-pollen complexes from Jurassic coals in the Tien Shan. IU. M. Kuzichkina. Trudy Inst. geol. AN Tadzh. SSR 5:106-139 '62.

TIENTSHAN—GEOLOGY, STRATIGRAPHIC

Lower Carboniferous sediments of the central Tien Shan and Talas-Fergana fault. V. S. Burtman. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 9:29-42 S '62.

TIENTSHAN—PALYNOLOGY

Spore-pollen complexes from Jurassic coals in the Tien Shan. IU. M. Kuzichkina. Trudy Inst. geol. AN Tadzh. SSR 5:106-139 '62.

TIENTSHAN—PLANTS—FROST RESISTANCE

Effect of leaf fall on the wintering of woody plants. K. A. Akhmatov. Biol. Glav. bot. sada no. 47:96-97 '62.

TIEPOLO, GIOVANNI BATTISTA, 1690-1770

"Two saints": a sketch by Giovanni Battista Tiepolo in the collections of the State Museum of Fine Arts. O. I. Lavrova. Soob. GMI [no. 1]:49-56 '60.

TIFLES—MACHINE-TOOL INDUSTRY—SAFETY MEASURES

Eliminate industrial accidents! A. Alekseenko. Sov. profsoyuzy 19 no. 1:17-18 Ja '63.

TIFLES—TELEVISION BROADCASTING

After six p. m. L. Rondelli. Part. zhizn' no. 1:72-75 Ja '63.

TIFLES—UNIVERSITIES AND COLLEGES

Tiflis. Gruzinskii politekhnicheskii institut. [Technical Institute of Georgia] Gruzinskii politekhnicheskii institut imeni V. I. Lenina, Tbilisi, 1962. 112 p. [Parallel texts in Georgian and Russian]

TIGASHEVO—CITIES AND TOWNS, RUINED, EXTINCT, ETC.

The ancient site of Tigashevo; archaeological excavations in 1956 and 1958-1959. G. A. Fedorov-Davydov. Mat. i issl. po arkheol. SSSR no. 111:49-50 '62.

TIGER MOTHS—EXTERMINATION

see subdivision under Ukraine

TIKHONOV, NIKOLAI SEMENOVICH, 1896-

Pages of reminiscences. Nikolai Tikhonov. Znaniia 33 no. 1:45-59 Ja '63.

TIKHOVA, TATIANA

"Taiga and mountains" and "Zone of the Yenisey" by T. Tikhova. Reviewed by L. Cheshkova. Vokrug sveta no. 12:59 D '62.

TILAPIA

A somewhat unusual story about tilapia fish, airplanes and electric power stations. IU. Alin. IUn. nat. no. 12: 15-17 D '62.
Tilapia and heat and electric power plants. M. Mekhlis. IU. Orlov. Znan. -sila 37 no. 11:14-15 N '62.

TILES

The characteristic of frost-resistance of pastes for thin tile as revealed by direct and indirect methods of determination. L. M. Bolovina, P. Kh. Tadzhiev. Sbor. nauch. trud. NII po stroi. ASIA no. 2:98-103 '61.

Colored pastes for ceramic tiles. L. A. Mishulovich, G. D. Sirenko. Stek. i ker. 18 no. 12:25-27 D '62.

Effect of some technical factors on the properties of silicate tile. P. M. Zil'berfarb, D. G. Zomilov, L. D. Vainfeld. Sbor. trud. ROSNIMS no. 20:90-97 '61.
Mechanized production of cement-sand and lime-sand tiles. L. D. Vainfeld, P. M. Zil'berfarb. Sbor. trud. ROSNIMS no. 19:6-23 '61.

TILIGULO-BEREZANKA DISTRICT—ANTIQUITIES

Excavations in the Tiligulo-Berezanka District in 1959. N. N. Pogrebova, N. G. Elagina. Krat. soob. Inst. arkheol. no. 80:6-14 '62.

TILLAGE

Comparative effectiveness of tillage methods for corn. Kiu Khen-Tsziao (Hu Heng-Chiao). Nauk. pratsi asp. UASHIN no. 5:76-84 '60.

Effect of soil tillage on the growth of one-year-old onks. V. P. Bolovashchenko. Nauk. pratsi asp. UASHIN no. 5: 102-103 '60.

Optimal depth for tillage layer in cotton growing from the viewpoint of soil science and farm practice [with summaries in English, German, and French]. S. N. Ryzhov. Vest. sel'khoz. nauk 7 no. 5:21-27 My '62.

Stability of tillage implements for basic tillage in various regions [with summaries in English, German, and French]. P. E. Nikiforov. Vest. sel'khoz. nauk 7 no. 5:88-96 My '62.

TIMBER

Studying the technological characteristics of timber in the seventh grade. A. Pechkurenka. Nar. osv. no. 11: 61-67 N '62.

TIMBER—TRANSPORTATION

Aerial cableway system with a carriage mounted skidder winch. E. A. Ovsiannikov. Bum. i der. prom. no. 4: 59-60 O-D '62.

TIMBUKTU, MALL—DESCRIPTION

Facing the Sahara Desert. V. Zakharchenko. Ogonok 40 no. 37:26-27 S '62.

TIME

"Time and calendar" by A. V. Butkevich, V. N. Gan'shin, L. S. Khrenov. Reviewed by M. S. Zelikson. Priroda 52 no. 1:122-123 '63.
The time in which we live. M. E. Zhebolinskii, I. L. Radun'ska. Dos. such. fiz. no. 6:145-154 '62.

TIME SIGNALS

Time signals. Astron. tsir. no. 225:23 S '61.
Time signals. N. Stojko. Astron. tsir. no. 227:29-30 F '62.

TIMING DEVICES

see Automatic timers

TIMIRIAZEV, KLIMENT ARKAD'EVICH, 1843-1920

To work for science and to write for the people. Lev Razgon. Nauka i zhizn' 20 no. 11:69-71 N '62.

TIN

Electron density distribution in gray tin and the diamagnetic susceptibility. N. N. Strota, A. U. Sheleg. Dokl. AN SSSR 147 no. 6:1344-1347 D '62.

TIN COMPOUNDS—SPECTRA

Effect of gamma-radiation on the shape of Mössbauer resonance absorption spectra in tin-organic compounds [with summary in English]. A. I. U. Aleksandrov and others. Zhur. eksp. i teor. fiz. 43 no. 6:2074-2076 D '62.

TIN-COPPER ALLOYS

see Copper-tin alloys

TIN-INDIUM-LEAD ALLOYS

see Indium-lead-tin alloys

TIN ISOTOPES

Extent of quadrupole interaction between Sn^{119m} nuclei and the crystal lattice [with summary in English]. G. M. Gorodinskii, L. M. Krizhanskii, E. M. Kruglov. Zhur. eksp. i teor. fiz. 43 no. 6:2050-2052 D '62.

Total cross sections of the interaction between fast neutrons and tin isotopes [with summary in English]. IU. V. Dukarevich, A. N. Diurmin, D. M. Kaminker. Zhur. eksp. i teor. fiz. 43 no. 6:1991-1994 D '62.

TIN-NIOBIUM ALLOYS

see Niobium-tin alloys

TIN ORGANIC COMPOUNDS

Synthesis of organotin acetylenic ethers. M. F. Shostakovskii, V. M. Vlasov, R. G. Mirskov. Zhur. ob. khim. 33 no. 1:324 '63.

TIN ORGANIC COMPOUNDS—SPECTRA

Synthesis and infrared spectra of some oxygen-containing tin- and silicon-organic compounds. D. A. Kachkin, IU. N. Chirgadze. Zhur. ob. khim. 32 no. 12: 4007-4012 D '62.

TIN PLATING

Distribution of metal on the cathode surface in alkaline electrolytes used for tin plating. M. E. Lerner, A. N. Shtrilova, N. M. Fomenko. Mashinostroenie no. 5:69-71 S-O '62.

TIN-TITANIUM ALLOYS

see Titanium-tin alloys

TIRE FABRICS—TESTING

Effect of active polymer additives to carcass mixtures on the strength of the bond in rubber-cord mixtures. D. B. Boguslovskii and others. Kauch. i rez. 21 no. 12: 15-18 D '62.

TIRES, RUBBER

(see also subdivision under Yaroslavl)
In the Central Administration of the "D. I. Mendeleev" All-Union Chemical Society. Kauch. i rez. 21 no. 12: 48 D '62.

They are not afraid of distances. K. Nikolov. Za rud. 21 no. 1:14-15 Ja '63.

Use of tires. V. Fedorov. Za bezop. dvizh. 5 no. 12: 6-7 D '62.

TIRES, RUBBER—MAINTENANCE AND REPAIR

Organization of the repair of pneumatic tires. I. Ermakov. Tekh. v sel'khoz. 22 no. 11:66-69 N '62.
Rubber patches for on-the-road repairing of tire tubes. F. F. Koshelev and others. Kauch. i rez. 21 no. 12: 43-45 D '62.

TIRES, RUBBER—TECHNOLOGICAL INNOVATIONS

see subdivision under Yaroslavl

TIRES, RUBBER—TESTING

Device for measuring deformations of a pneumatic tire roller. N. F. Bocharov, E. B. Kradinov, V. I. Gusev. Avt. prom. 20 no. 1:24-25 Ja '63.

TISSUE EXTRACTS

Dried biogenetic stimulators made with embryos. V. Korablev, V. Kuznetsov. Misa. ind. SSSR 33 no. 8:22-23 '62.
Tissue preparations in stockbreeding. H. Bondarenko. Nauka i zhyttia 12 no. 8:40-50 S '62.

TITANIC (STEAMSHIP)

A little about many things. Znan. -sila 37 no. 11:32-33 N '62.

TITANIUM

Kinetics of titanium oxidation. A. V. Revlakin. Titan i ego splavy no. 8:175-180 '62.

TITANIUM—ANALYSIS

Determination of bi- and trivalent titanium in titanium slags. V. A. Zinchenko, N. A. Ershova, N. M. Gertsyeva. Titan i ego splavy no. 8:242-246 '62.
Vanadium determination in titanium tetrachloride and metallic titanium. V. A. Zinchenko, O. D. Barinova. Titan i ego splavy no. 8:251-259 '62.

TITANIUM—CORROSION

Experimental use of titanium in hydrometallurgy. V. E. Zhilkin. Titan i ego splavy no. 8:273-278 '62.

TITANIUM—ELECTROMETALLURGY

- Effect of the central layer of electrolyte on the indices of the titanium electrorefining process. V. A. Sukhodskii, M. M. Tsyplakova. *Titan i ego splavy* no. 8:237-241 '62.
- Investigating the anode process during the electrolysis of titanium tetrachloride in fused chloride salts. A. I. Ivanov, I. G. Kukhareva. *Titan i ego splavy* no. 8:220-226 '62.
- Making titanium slag in an electric closed reduction furnace. V. A. Reznichenko and others. *Titan i ego splavy* no. 8:26-40 '62.
- Mechanism of the process of electrolysis of titanium dioxide in a fused chloride-fluoride mixture. A. A. Kazain. *Titan i ego splavy* no. 8:207-213 '62.
- Separation of metallic titanium from cathode deposits obtained by the electrolysis of K_2TiF_6 - NaCl - TiO_2 . V. S. Mitrochikov, V. A. Reznichenko. *Titan i ego splavy* no. 8:214-219 '62.

TITANIUM—METALLURGY

- Effect of addition alloys on the kinetics of titanium oxidation. A. V. Revinin. *Titan i ego splavy* no. 8:161-206 '62.
- Interaction of metal titanium with crucibles made of zirconium dioxide. K. N. Repenko, N. V. Gulkko, I. A. Getman. *Ogneupory* 28 no. 1:42-45 '63.
- Large-scale laboratory investigations on the refining of titanium sponge tailings. A. I. Ivanov, A. P. Pichukov. *Titan i ego splavy* no. 8:227-236 '62.
- Reduction of titanium tetrachloride by magnesium condensates at low temperatures (250-400° C) in vacuum. *Titan i ego splavy* no. 8:160-166 '62.
- Refining of titanium. V. I. Batachev, V. A. Reznichenko. *Titan i ego splavy* no. 8:167-174 '62.
- Standardization, intensification, and automatic control of the thermochemical reduction process with magnesium. S. V. Ogurtsov, V. A. Reznichenko, A. I. Dedkov. *Titan i ego splavy* no. 8:145-159 '62.
- Titanium slags free from chromium oxide obtained from chromium-bearing iron-titanium concentrates. V. A. Reznichenko, V. I. Solov'ev. *Titan i ego splavy* no. 8:22-27 '62.

TITANIUM—SPECTRA

- Quantitative spectrum analysis of pure titanium by the evaporation method. V. T. Kalinnikov, A. N. Shleinberg. *Titan i ego splavy* no. 8:260-265 '62.

TITANIUM ALLOYS

- Manufacture of machine parts from chemically stable titanium and its alloys. G. V. Taleeva, T. V. Budziuk. *Khim. volok.* no. 6:44-46 '62.

TITANIUM-ALUMINUM ALLOYS—TESTING

- Stress-rupture strength at 700° in alloys on a Ti_2Al compound base. I. I. Kornilov, T. T. Nartova. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl.* no. 6:142-146 N-D '62.

TITANIUM CHLORIDE

- Determination of metallic sodium in the presence of bivalent titanium chloride [with summary in English]. V. A. Zinchenko, N. M. Gerteveva. *Zhur. anal. khim.* 17 no. 6:670-673 S '62.
- Obtaining titanium dioxide by the interaction of titanium tetrachloride with oxygen. B. N. Melent'ev, S. G. Molnov, V. A. Reznichenko. *Titan i ego splavy* no. 8:114-118 '62.
- Obtaining titanium trichloride for use as catalyst in polymerization processes. I. U. S. Iabikov, V. M. Lozovatskii. *Titan i ego splavy* no. 8:135-139 '62.
- Preparative partition of titanium and iron chlorides by gas adsorption chromatography. L. G. Vlasov, I. U. N. Sychev, A. V. Lapitskii. *Vest. Mosk. un. Ser. 2:Khim.* 16 (i.e. 17) no. 6:55-57 N-D '62.
- Special equipment and apparatuses for the production of titanium tetrachloride. B. R. Osipov. *Titan i ego splavy* no. 8:266-272 '62.

TITANIUM CHLORIDE—ANALYSIS

- Content of dissolved chlorides in condensed titanium tetrachloride. N. V. Galitskii, S. V. Shadskii. *Titan i ego splavy* no. 8:140-144 '62.
- Spectrochemical determination of aluminum in titanium tetrachloride. M. S. Beletskii, N. K. Druzhnina, V. G. Iankovskaja. *Titan i ego splavy* no. 8:247-250 '62.
- Vanadium determination in titanium tetrachloride and metallic titanium. V. A. Zinchenko, O. D. Barinova. *Titan i ego splavy* no. 8:251-259 '62.

TITANIUM CHLORIDES—TOXICOLOGY

- Data on the distribution and excretion of titanium from the organism in inhalation poisoning with titanium tetrachloride. I. V. Sannitskii, M. D. Babina. *Toks. nov. prom. khim. veshch.* no. 4:128-133 '62.

TITANIUM COMPOUNDS

- Alylation of bis-(cyclopentadienyl) titanium dichloride by means of acetyl chloride. A. N. Nesmelanov, O. V. Nogina, V. A. Dubovitskii. *Izv. AN SSSR, Otd. khim. nauk* no. 12:2254-2255 D '62.

TITANIUM-NIOBIUM-CHROMIUM ALLOYS—METALLOGRAPHY

- Constitutional diagram of the system titanium - niobium - chromium. K. I. Shakhova, P. B. Budberg. *Izv. AN SSSR Otd. tekhn. nauk, Met. i topl.* no. 6:137-141 N-D '62.

TITANIUM ORES

- Chlorination of titanium slags in comparable conditions by 100% chlorine and chlorine-air mixture. V. A. Oksizov, A. N. Zotikova. *Titan i ego splavy* no. 8:98-100 '62.
- Dressing of titanium-zirconium sands. A. A. Pershukov, S. V. Safonov. *Titan i ego splavy* no. 8:8-13 '62.
- Improved method of utilizing leucosene-bearing titanium ores. E. B. Dmitrovskii, T. M. Burmistrova, V. A. Reznichenko. *Titan i ego splavy* no. 8:14-21 '62.
- Phase constitution of sinter obtained from a mixture of perovskite and titanium-magnetite concentrates. A. V. Rudneva. *Titan i ego splavy* no. 8:55-61 '62.
- Present state of the flotation method of concentrating titanium-magnetite ores in ore dressing plants. M. S. Kozlov, N. L. Krasnoselov. *Titan i ego splavy* no. 8:3-7 '62.
- Studying processes occurring during the sintering of perovskite-titanium-magnetite concentrates. V. A. Reznichenko, G. D. Sidorenko. *Titan i ego splavy* no. 8:62-71 '62.

TITANIUM ORGANIC COMPOUNDS

- Electrolysis of organotitanium compounds. A. Sh. Avaliani. *Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR* 3:67-72 '62.
- Synthesis and some reactions of 8-hydroxyquinoline-butoxytitaniums. K. A. Andrianov and others. *Izv. AN SSSR, Otd. khim. nauk* no. 12:2136-2141 D '62.

TITANIUM OXIDE

- Catalytic properties of titanium dioxide and its solid solutions. I. S. Sazonova and others. *Kin. i kat.* 3 no. 5:751-760 S-O '62.
- Decomposition of ilmenite concentrates by gaseous hydrogen chloride. E. P. Beljakova, A. A. Dverniakova. *Titan i ego splavy* no. 8:124-134 '62.
- Investigation of titanium dioxide hydrosols by the cryoscopic method [with summary in English]. P. I. Medvedev, I. S. Galimker. *Koll. zhur.* 24 no. 6:717-720 N-D '62.
- Obtaining titanium dioxide by the interaction of titanium tetrachloride with oxygen. B. N. Melent'ev, S. G. Molnov, V. A. Reznichenko. *Titan i ego splavy* no. 8:114-118 '62.
- Obtaining titanium dioxide by the treatment of slags from the smelting of titanium-magnetite sinters. F. A. Irkov, V. A. Reznichenko. *Titan i ego splavy* no. 8:110-123 '62.
- Rapid method of determining the dispersion composition of titanium dioxide pigments. I. U. D. Dal'matov, Lakokras. *mat. i kh. prim.* no. 6:52-53 '62.
- Studying processes of the interaction of ilmenite with titanium monoxide. V. A. Reznichenko, T. P. Ukolova. *Titan i ego splavy* no. 8:40-54 '62.
- Studying the modifying action of sodium oleate on the hydration degree of anatase titanium dioxide. A. I. Slutova, E. M. Aleksandrova. *Lakokras. mat. i kh. prim.* no. 5:37-39 '62.
- Use of radioactive indicators in studying the movement regularities of technological solutions in the production of titanium dioxide. E. I. Chufkin and others. *Lakokras. mat. i kh. prim.* no. 5:64-70 '62.

TITANIUM OXIDE—ANALYSIS

- Using the turbidimetric method for the dispersion analysis of titanium dioxide. I. U. D. Dal'matov, Lakokras. *mat. i kh. prim.* no. 5:52-55 '62.

TITANIUM OXIDE—ELECTRIC PROPERTIES

- Studying the electroconductivity of titanium slags. V. S. Balikhin, V. A. Reznichenko. *Titan i ego splavy* no. 8:41-48 '62.

TITANIUM OXIDE—TESTING

- Effect of the modification of rutile titanium dioxide on its wettability by linseed oil and water. T. A. Ermenova, D. L. Abramson, N. M. Dorofeeva. *Lakokras. mat. i kh. prim.* no. 6:20-23 '62.

TITANIUM PIPE see Pipe, Titanium

TITANIUM SALTS

- Reaction of aromatic aldehydes with derivatives of pyrazolone. Synthesis of 4-sallylidene-1-phenyl-3-methyl-5-pyrazolone and its reaction with titanium salt solutions. R. G. Belies, E. M. Belies. *Zhur. ob. khim.* 33 no. 1:190-192 '63.

TITANIUM-TIN ALLOYS—METALLOGRAPHY

- Creep of titanium-tin and titanium-zirconium-tin alloys. V. V. Glazova, N. N. Kurnakov. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i topl.* no. 6:131-136 N-D '62.

TITANIUM-ZIRCONIUM ALLOYS

- Inelastic neutron scattering on a Ti-Zr alloy. N. A. Chernoplekov and others. *Fiz. tver. tela* 5 no. 1:112-117 Ja '63.

TITANOMAGNETITE see subdivision under Ural Mountains

TIURIN, ALEKSANDR VLADIMIROVICH, 1882-

- Veteran of the Russian forest; on the 80th birthday of A. V. Tiurin. *Les, khoz.* 15 no. 11:82-94 N '62.

TIURIN, IVAN VLADIMIROVICH, 1892-1962

- Academician Ivan Vladimirovich Tiurin; obituary. *Pochtovedenie* no. 9:1-3 S '62.
- Ivan Vladimirovich Tiurin; an obituary. M. M. Kondrasova. *Izv. AN SSSR, Ser. biol.* no. 6:932-934 N-D '62.

TOBACCO INDUSTRY—EQUIPMENT AND SUPPLIES

- Device for trapping tobacco fibers in chopping machines. M. P. Grushkin, O. B. Franchuk. *Khar. prom.* no. 4:41-42 O-D '62.
- Improving the pressing mechanism of chopping machines. M. P. Grushkin, I. M. Red'ka. *Khar. prom.* no. 4:40-41 O-D '62.

TOBACCO THRIPS see subdivision under Ukraine

TODOROVA, RADA

- Rada Todorova, twelve years in prison, twice condemned to death, never defeated. *Ivonne Quiles*. *Zhen. mira* no. 9:28-30 '62.

TODZHINSKIY DISTRICT—TUVINIANS

- "The Tuvians of Todzhinsty District; historical and ethnological studies" by S. I. Vainshtein. Reviewed by A. Smolnik. *Sov. etn.* no. 6:169-171 N-D '62.

TOGUCHIN DISTRICT—SOCIAL GROUP WORK

- So that the lights of our rural cultural centers burn brighter. V. Tonkoshkurov. *Sov. deput. trud.* no. 6:15-20 Je '62.

TOILETS see Water closets

TOKMAK—POLITICS AND GOVERNMENT

- A woman from the Tien Shan Mountain region. Nik. Udalov. *Sov. deput. trud.* no. 6:85-86 Je '62.

TOLSTOI, ALEKSEI NIKOLAEVICH, 1882-1945

- Aleksei Tolstol. A. Milgunov. *V mire knig* 3 no. 1:19-20 Ja '63.
- Meetings long ago. I. Sokolov-Mikilov. *V mire knig* 3 no. 1:2-21 Ja '63.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

- Great tragedy; on the novel "Anna Karenina" (conclusion). V. Ermilov. *Znamia* 32 no. 12:187-220 D '62.
- Great tragedy; on the novel "Anna Karenina" (to be continued). V. Ermilov. *Znamia* 32 no. 11:188-216 N '62.
- Language and style of the chapters of "War and Peace" devoted to the description of the Battle of Borodino. A. V. Stepanov. *Rus. izv. v shkole* 23 no. 6:11-15 N-D '62.
- Lev Tolstol's library. M. Gribov. *V mire knig* 2 no. 12:40 D '62.
- Speech forms expressing the inner world of characters in L. Tolstol's novel "War and Peace." S. Pugach. *Rus. izv. v shkole* 23 no. 6:16-22 N-D '62.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910—HOMES AND HAUNTS

- In the museum estate of L. N. Tolstol. T. Zakharova. *Doshk. vosp.* 35 no. 11:72-74 N '62.

TOLUENE

- Adsorption of toluene from n. heptane solutions by channel black and activated charcoal fired at 800, 1700 and 3000° C. [with summary in English]. A. V. Kiselev, V. V. Khopina. *Koll. zhur.* 24 no. 6:682-686 N-D '62.
- Alylation of toluene by propylene in the presence of $AlCl_3 \cdot H_2PO_4$. E. P. Babii, Z. S. Borodina, V. A. Kompanets. *Zhur. fiz. khim.* 36 no. 12:2768-2772 D '62.
- Catalytic demethylation of toluene. G. N. Maslennikov, G. L. Rabinovich. *Neftekhimika* 2 no. 5:700-715 S-O '62.

TOMATO BREEDING

- (see also subdivision under Armonia)
- Interspecific tomato hybrids. T. B. Balygina. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:210-223 '57.
- Selecting paternal varieties for obtaining high-yielding hybrid tomato seeds. T. A. A. Reut. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:240-250 '57.
- Some anatomic characteristics of hybrid tomatoes. T. B. Balygina. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:131-133 '57.

TOMATO PRODUCTS

- Automation of tomato processing lines. G. V. Chalyi, B. M. Butenko. *Izv. AN Mold. SSR* no. 9:45-67 '62.

TOMATOES

- (see also subdivision under Michurinsk District)
- Changes in the heredity of tomatoes resulting from grafting on the tree tomato [with summaries in English, German, and French]. V. A. Vnuchkova. *Vest. sel'khoz. nauk* 7 no. 11:47-53 N '62.
- Chilling tomato seeds in fruits. N. V. Bellacov. *Vop. fiziol. i biokhim. kul't. rast.* no. 1:28-32 '62.
- Contribution to the study of the species *Lycopersicon peruvianum* Mill. K. V. Ivanova. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:18-28 '57.
- Effect of cultivation conditions on the formation of the structure of tomato leaves. I. Z. Vasil'eva. *Trudy po prikl. bot., gen. i sel.* 31 no. 2:134-144 '57.

TOMATOES (Continued)

Effect of temperature during the formation and ripening of tomato seeds on the increase in the cold resistance of following progenies. M. V. Syskova. Trudy po prikl. bot., gen. i sel. 31 no. 2:104-110 '57.
Effect of the chilling of tomato seeds on biochemical processes in plants. N. V. Bellaev. Vop. fiziol. i biokhim. kul't. rast. no. 1:12-27 '62.
Evolution of tomatoes. D. D. Brezhnev. Trudy po prikl. bot., gen. i sel. 31 no. 2:13-17 '57.
Formation of sterile pollen in the tomato plant. L. I. Orel. Dokl. AN SSSR 147 no. 6:1495-1498 D '62.
History of studying the genus *Lycopersicon* Tourn. D. D. Brezhnev. Trudy po prikl. bot., gen. i sel. 31 no. 2:5-12 '57.
Some characteristics of metabolism in tomato seeds during the chilling period before planting. N. N. Budarian, N. V. Bellaev, G. V. Kaidina. Vop. fiziol. i biokhim. kul't. rast. no. 1:3-11 '62.
Stages of the organogenesis of clusters in tomatoes. I. V. Polunordvinova. Vest. sel'khoz. nauk 7 no. 10: 34-37 O '62.

TOMATOES—DISEASE AND PEST RESISTANCE

Determining tomato resistance to Phytophthora. N. D. Khrobrykh. Trudy po prikl. bot., gen. i sel. 31 no. 2: 191-196 '57.

TOMATOES—DISEASES AND PESTS see subdivision under Egypt; Zaporozhiye Province

TOMATOES—FERTILIZERS AND MANURES

Effect of the application of increased amounts of supplementary phosphorus fertilizers to seedlings on the acceleration of tomato ripening. H. I. Ulay. Vistyak sl'khoz. nauky 5 no. 12:82-84 D '62.

TOMATOES—TRANSPORTATION

Experimental rail transportation of tomatoes. N. P. Chekmareva. Khol. tekhn. 39 no. 6:50-52 N-D '62.

TOMATOES—VARIETIES see subdivision under Uzbekistan

TOMSK PROVINCE—FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES

Raising the mechanization level of forestry production. M. N. Rukvin. Les. khoz. 15 no. 11:60-61 N '62.

TOMSK PROVINCE—LUMBERING

We are improving the technology of lumbering. I. P. Melakhov. Les. khoz. 15 no. 11:31-33 N '62.

TOMSK REGION—SOIL MOISTURE

Moisture conditions and their effect on the physico-technical properties of loess-type rocks in the Tomsk area. G. A. Sulakhina. Izv. vyz. ucheb. zav.; geol. i razv. 5 no. 10:101-105 O '62.

TONINO-ANIVSKIY PENINSULA—LAKES

Some special features of the hydrological regime of the lakes in the Tonino-Anivskiy Peninsula, southern Sakhalin. V. I. Grigor'ev. Vest. Mosk. un Ser. 5: 58-70 '62.

TONSILS

Is it harmful to remove tonsils? I. Zinov'ev. Sem'ia i shkola 17 no. 9:46-47 S '62.

TONSILS—DISEASES

"Chronic tonsillitis in children" by D. D. Lebedev and A. V. Dolgoplova. Reviewed by M. S. Ignatova. Vop. otk. mat. i det. 7 no. 9:91-92 S '62.

TOOL STEEL

Effect of the saturation of rapid steel by carbon on its properties. N. A. Nesterov, I. V. Grdina. Izv. vyz. ucheb. zav.; Chern. met. 5 no. 12:120-125 '62.

Introducing new brands of rapid steels in the automobile industry. M. A. Sazar. Avt. prom. 20 no. 1:31-32 Ja '63.

TOPAR VALLEY—RECLAMATION OF LAND

Land and water resources of the Topar Valley and ways to utilize them. M. V. Chebyshov, Kh. Kh. Makhmudov, P. A. Chertorogov. Vest. sel'khoz. nauk [Kazakh.] 5 no. 11:11-16 O '62.

TOPCHIEV, ALEKSANDR VASIL'EVICH, 1907-1962

From the Academy of Sciences of the U.S.S.R. A grave loss. M. V. Keldysh. Vest. AN SSSR 33 no. 1: 29-30 '63.

From the Central Committee of the CPSU and the Council of Ministers of the U.S.S.R. A. V. Topchiev; obituary. Vest. AN SSSR 33 no. 1:27-28 Ja '63.
From the editors of the journal "Vestnik Akademii Nauk S.S.S.R." Vest. AN SSSR 33 no. 1:31 Ja '63.

TOPOLOGY

Imbedding of zero-dimensional compacts in E^n . L. Keldysh. Dokl. AN SSSR 147 no. 4:772-775 D '62.
Liapunov's function for the region of influence of a singular point of higher order [with summary in English]. M. B. Kudaev. Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no. 1:3-13 Ja-F '63.

Note on uniformly homeomorphic imbeddings in Euclidean spaces [with summary in English]. V. V. Proizvolov. Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no. 1:39 Ja-F '63.

On a local nilpotent radical in locally bounded topological rings [in Georgian with summary in Russian]. D. M. Makharadze. Trudy Vych. tsentra AN Gruz. SSR 2:21-20 '62.

On the region of influence of a singular point of higher order [with summary in English]. A. R. Efendiev. Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no. 1:14-25 Ja-F '63.

Paracompactness and countable paracompactness [with summary in English]. V. L. Kilushta. Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no. 1:35-36 Ja-F '63.

Properties of compactness of Hausdorff spaces [with summary in English]. V. V. Proizvolov. Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no. 1:40-42 Ja-F '63.

Use of Liapunov functions in studying the behavior of the trajectories of some systems of differential equations. M. B. Kudaev. Dokl. AN SSSR 147 no. 6:1285-1287 D '62.

TORSION

Generalized theory of pure torsion of thin-walled rods. M. A. Leonov, A. N. Ivashchenko. Vop. mekh. real. tver. tela no. 1:101-130 '62.

TORSION—MEASUREMENT

Some characteristics of torsion meters for use on ships. N. V. Alfaroza. Trudy TSNIMF 8 no. 42:56-63 '62.

TOT'MA DISTRICT—LUMBERING

The annual plan has been fulfilled ahead of time. G. V. Popov. Les. prom. 40 no. 12:26-27 D '62.

TOUCH

Psychological research in the Urals. I. M. Goldberg. Nauka i zhizn' 29 no. 11:104 N '62.

TOURMALINE see subdivision under Kedabek District

TOVSTENKO, VIKTOR

Twenty-eighth expression of gratitude. A. Pen'kov. Sov. voen 45 no. 1:16 Ja '63.

TOWING

A decision of the State Arbitration Agency attached to the Executive Committee of the Leningrad Province Soviet of Workers' Deputies. Inform. sbor. TSNIMF no. 82. Mor. pravo i prak. no. 18:84 '62.

Legal problems concerning the towing of seagoing vessels; the rules of English and American maritime law. A. A. Vorokhovskii. Inform. sbor. TSNIMF no. 82. Mor. pravo i prak. no. 18:18-24 '62.

TOXEMIA

Bukshpan, E. I. [Fundus oculi in normal and pathological pregnancy (toxemia)] Glaznoe dno pri normal'noi i patologicheskoi beremennosti (toksikoza), Moskva, Medgiz, 1962, 165 p. (DNLN)

TOY INDUSTRY see subdivision under Czechoslovakia

TOYS

Christmas tree toys. I. U. A. Bugel'skii. Nach. shkola 30 no. 12:77-83 D '62.

Play with clay folk toys. A. Savchenko. Doshk. vykh. 23 no. 11:17-23 N '62.

Selection of toys in a kindergarten. E. Kossakovskaya. Doshk. vosp. 35 no. 11:37-43 N '62.

Toys indoors and on the school lot. E. Baturina. Doshk. vosp. 35 no. 10:81-86 O '62.

TOYS—COMPETITIONS

Toys and souvenirs, whose are the best? Most. prom. i khud. promys. 5 no. 11:40 N '62.

TRACE ELEMENTS

(see also subdivision under Siberia, Eastern)
Bagdasarashvili, Z. G. [Significance and use of trace elements in viticulture] Znachenie i ispol'zovanie mikroelementov v vinogradarstve, Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1956, 109 p. [In Georgian] (DNLN)

Distribution of some elements in Jurassic sedimentary iron ores of the Northern Caucasus. A. A. Korzhenevskii. Uch. zap. SGU 65:115-118 '59.

Effect of calcium, iron, and aluminum on the uptake of microelements by plants. J. Peive, G. Rinkis. Izv. AN Latv. SSR no. 8:81-85 '62.

Effect of microelements on the growth and development of young birds. E. Lazarev, L. Safonova, E. Godovkina. Uch. zap. Kub. gos. ped. inst. no. 37:27-32 '62.

Forma of migration of rare and dispersed elements in the coal formation process. I. P. Lomashov. Dokl. AN SSSR 147 no. 4:924-926 D '62.

On the distribution of rare elements in the vertical section of a granite massif. V. V. Liashovik. Dokl. AN SSSR 147 no. 4:927-930 D '62.

Trace element content of soils of the Klin-Dmitrov Ridge [with summary in English]. K. V. Verigina. Pochvovedenie no. 9:14-24 S '62.

Trace elements from mine rocks. I. A. Iantova'skiy. Vistyak sl'khoz. nauky 5 no. 12:84-86 D '62.

Trace elements in agriculture. J. Peive. Nauka i zhizn' 12 no. 7:10-11 Ji '62.

TRACE ELEMENTS IN THE BODY

Content of some microelements in the blood of ulcer patients. A. I. Hurskaja. Vest. AN BSSR. Ser. bial. nav. no. 3:107-111 '62.

TRACK ATHLETICS

Korobov, A. V., ed. [The school for track athletics; training in track and field techniques]. Shkola legkoi atletiki; obucheniye tekhnike vidov legkoi atletiki. Moskva, Izd-vo "Fizkul'tura i sport," 1962, 346 p.

TRACKING AND TRAILING

Whose tracks are these? G. Polikarpov. Iun. nat. no. 12:29 D '62.

TRACKING RADAR

There's a target! Sov. voen 45 no. 2:22-23 Ja '63.

TRACTOR INDUSTRY see subdivision under Chelyabinsk; Kharkov; Leningrad

TRACTOR TRAINS

Boiko, I. I., and V. A. Bulanov. [Freight haulage with tractor trains] Porovozka gruzov avtopoezdami; opyt malakov-avtotransportnikov. Moskva, Avtotransizdat, 1962, 106 p.

TRACTORS

(see also subdivision under Great Britain)

Effect of the weight of a high-speed tractor on its power and economic indices [with summaries in English, German, and French]. I. I. Kiselev. Vest. sel'khoz. nauki 7 no. 10:78-84 O '62.

From the history of the creation of state tractor detachments, 1920-1922. M. I. Shkol'nik. Dokl. TSKHA no. 75:337-348 '62.

Increasing the wear resistance of the T-40 tractor. I. Kolomitsev. Tekh. v sel'khoz. 22 no. 11:45-46 N '62.

The MTZ-50 "Belarus" tractor. N. M. Antyshev, O. A. Polnikov. Mashinostroyeniye no. 5:90-91 S-O '62.

Principal trends in the development of tractors. I. I. Trepenev. Mekh. i elek. sots. sel'khoz. 20 no. 6: 3-7 '62.

TRACTORS—ABSTRACTS

[Tractors and agricultural machinery] Ref. zhur. Old. vyp. 44; Trakt. i sel'khoz. mash. no. 1 Ja '63.

TRACTORS—COLD WEATHER OPERATION

Electric heating of tractor and automobile engines. V. Kozlov. Tekh. v sel'khoz. 22 no. 11:61-64 N '62.

Testing the DET-250A tractor and the D-572 bulldozer built for use in northern regions. G. D. Dakhno. Stroitel. dor. mash. 7 no. 12:15-17 D '62.

TRACTORS—DESIGN AND CONSTRUCTION

"Design and construction of tractors" by I. B. Barakii. Reviewed by G. P. Lyzo. Avt. prom. 20 no. 1:3 of cover Ja '63.

TRACTORS—ELECTRIC EQUIPMENT

Magnetization and testing of generator rotors. N. Kuznetsov. Tekh. v sel'khoz. 22 no. 11:75-76 N '62.

TRACTORS—ENGINES

Effect of dynamic and economic indices of the engine on the efficiency of tractor work. I. P. Kovalenko. Vistyak sl'khoz. nauky 5 no. 12:20-24 D '62.

TRACTORS—ENGINES—MAINTENANCE AND REPAIR

Khimki, Tsentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. [Technological processes in reconditioning (repairing) worn-out parts of the TDT-60 tractor] Tekhnologicheskie protsessy vosstanovleniya (remonta) iznoshennykh detalei traktora TDT-60. Moskva, Goslesbumizdat, Pt. 1. [The D-60T engine] Dvigatel' D-60T, 1961, 230 p.

TRACTORS—ENGINES—OIL FILTERS

Replacing the double-cleaning oil filter with a full-flow centrifuge. G. V. Chepigin and others. Mashinostroyeniye no. 9:85 S-O '62.

TRACTORS—FUEL CONSUMPTION

Methodology for evaluating the fuel economy of tractor engines. A. V. Blenev. Mekh. i elek. sots. sel'khoz. 20 no. 6:57-58 '62.

TRACTORS—FUEL SYSTEMS

Mechanization of tractor fueling. A. Longva. Tekh. v sel'khoz. 22 no. 11:56-57 N '62.

TRACTORS—HYDRAULIC EQUIPMENT

Device for testing the operating pressure in the hydraulic control system for mounted machines. V. Timchenko. Tekh. v sel'khoz. 22 no. 11:85 N '62.
Hydraulic mechanism of the mounted system of the MTZ-50PL "Belarus" tractor. G. L. Kal'kus, S. S. Isaev. Mashinostroyeniye no. 5:92-95 S-O '62.

- TRACTORS—LUBRICATION**
Oil centrifuge with electric drive for the GAZ-51 engine. G.A. Degraf, B.N. Reznikov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 12:79-86 D '62.
- TRACTORS—MAINTENANCE AND REPAIR**
(see also subdivision under Moscow Province)
Repairing the frames of the DT-54 tractors. L.N. Iambayev. Sbor. stud. nauch. i issl. rab. TSKHA no. 11: 349-354 '62.
- TRACTORS—PAINTING** see subdivision under Chelyabinsk
- TRACTORS—STEERING GEAR**
Characteristics of the work of the steering gear of the DT-14 tractor and its improvement. Dai Tian'-Tszu (Tai T'ien-Chiu). Nauk. pratsi asp. UASHIN no. 5:212-215 '60.
- TRACTORS—TRANSMISSION DEVICES**
Friction transmission for tractors. V. Svetozarov. NTO 4 no. 11:34-37 N '62.
Repairing the body of a gearbox. M. Lapitskii, L. Khodov. Tekh. v sel'khoz. 22 no. 11:71-73 N '62.
- TRADE UNIONS**
(see also subdivision under Aden; Africa; Africa, French West; Hungary; Leningrad Province; Moscow; Udmurt A. S. S. R.)
Anniversary of the Fifth World Trade-Union Congress. Petr Pimenov. Vsem. prof. dvizh. no. 12:1-3 D '62.
A conference of the Trade Union of the Employees of Governmental Agencies. A. Novokhatskii. Sov. deput. trud. no. 6:72-73 Je '62.
Follow-up of our materials. Sov. profsoiuzy 19 no. 1: 32 Ja '63.
In the name of man. Okhr. truda i sots. strakh. 6 no. 1: 21-23 Ja '63.
It is not the "scope" that matters. Vera Shul'man. Sov. profsoiuzy 18 no. 24:20 D '62.
Kon'kov, V. L., and L. V. Litukov. [How to organize work of the trade-union committee on a state farm] Kak organizovat' rabotu profsoiuznogo komiteta v sovkhoe. [Moskva] Profizdat, 1962. 53 p. (Biblioteka sel'skogo profsoiuznogo aktivista, no. 5)
Let's develop community participation. Sots. obesp. 23 no. 12:1-4 D '62.
Litukov, V. P. [Organizing the work of trade-union committees in factories] Organizatsiya raboty komiteta profsoiuzna na predpriatii. [Moskva] Profizdat, 1961. 61 p. (Biblioteka profsoiuznogo aktivista, 20) (MH)
Manage the economy in the Lenin way. Sov. profsoiuzy 18 no. 24:2-3 D '62.
Moscow. Vysshaya zaochnaya shkola prodvizheniya. Kafedra profsoiuznogo dvizheniya. [Trade-union work with the masses] Organizatsionno-massovaya rabota professional'nykh soluzov. Pod obshchei red. P. S. Petrova. [Moskva] Profizdat, 1961. 214 p. (CU)
Objectives of trade-union organizations of civil aviation in the concluding year of the five-year plan. A. Zhuravlev. Grazhd. av. 12 no. 2:6-7 F '55.
Panova, E. A. [The rights of workers' committees on state farms] Prava rabochikh komitetov sovkhov. [Moskva] Profizdat, 1962. 53 p. (Biblioteka sel'skogo profsoiuznogo aktivista, no. 9)
Plenum of the Central Committee of the Government Employees' Trade Union. Fin. SSSR 23 no. 12:89-90 D '62.
Prokhorov, V. L. [Trade unions and the creative initiative of the masses] Profsoiuzy i tvorcheskaya initsiativa mass. [Moskva] Profizdat, 1961. 61 p. (Biblioteka profsoiuznogo aktivista, no. 18) (CLU)
Radushkevich, D. E. [Trade-union work on state farms] Profsoiuznaya rabota v otdelenii sovkhov. [Moskva] Profizdat, 1961. 44 p. (CLU)
Trade unions should give their attention to economics. I. Kazaneis. Sov. profsoiuzy 19 no. 1:1-4 Ja '63.
Vinokur, S. I., A. Mogilevich, and A. Shakhmagon. [Control of trade unions over the application of the law abolishing taxes on wages] Kontrol' profsoiuzov za vypolnieniem zakona ob otmene nalogov a zarabotnoi platy. Moskva, Profizdat, 1961. 96 p. (Biblioteka profsoiuznogo aktivista, no. 12) (CLU)
- TRADE UNIONS—ACCOUNTING**
New development in trade-union membership records. K. Borisov. Sov. profsoiuzy 19 no. 1:18 Ja '63.
- TRADE UNIONS—CONGRESSES**
Strengthening the unity and determination to act. Glomco Adducci. Vsem. prof. dvizh. no. 12:37-41 D '62.
The tenth plenum of the All-Union Central Council of Trade Unions. NTO 4 no. 9:1 S '62.
- TRADE UNIONS—OFFICERS** see subdivision under Vianitsa Province
- TRAFFIC ACCIDENTS** see subdivision under Moscow
- TRAFFIC ENGINEERING**
Green light to automation. N. Poznukhov. Za bezop. dvizh. 5 no. 12:1-2 D '62.
- TRAFFIC POLICE**
Recurrent raid. S. Klepov. Za bezop. dvizh. 5 no. 12: 5 D '62.
- TRAFFIC REGULATIONS**
(see also subdivision under Kyzyl)
Lukovetskii, A. Z. [Traffic regulations for the streets and roads of the U. S. S. R.] Pravila dvizheniya po ulitsam i dorogam Soluzha SSR; uchebnoe posobie. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1962. 163 p.
On the left or on the right? G. Solov'ev. Za rul. 21 no. 1:20-21 Ja '63.
Our dictionary. Za bezop. dvizh. 5 no. 12:12-13 D '62.
- TRAFFIC SAFETY** see subdivision under Nizhny Tagil
- TRAINING OF ANIMALS** see Animals, Training of
- TRAINING SHIPS**
Practical training of cadets on ships. A. N. Koroteev. Mor. sbor. 46 no. 1:37-39 Ja '63.
- TRANS-ALAY RANGE—GEOLOGY, STRATIGRAPHIC**
Alay layers of the Trans-Alay and Alay Ranges. I. M. Arkhangel'skaia, T. I. A. Bronshtein, L. P. Kakhanova. Trudy VNIGRI no. 190:398-411 '62.
- TRANS-ILI ALA-TAU—FUNGI**
Formation of mycologic flora in the Trans-Ilia-Tau. B. K. Kalymbetov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 11:47-56 O '62.
- TRANS-ILI ALA-TAU—LARCH**
Effect of treating Siberian larch seeds before sowing on their germination when sown without transplantation in the Trans-Ilia-Tau. G. Kh. Bukheikhanov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 3:45-54 Mr '62.
- TRANS-ILI ALA-TAU—RIVERS**
Concerning some special features of the beds of rivers with flash floods of the Trans-Ilia-Tau. N. P. Pavlenko. Izv. AN Kazakh. SSR. Ser. energ. no. 2:95-99 '62.
- TRANSBAIKALIA—DIKES (GEOLOGY)**
Occurrence forms of melanocratic rocks in the Bulukayevskoye deposit in southwestern Transbaikalia. G. I. Tugovik. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 9:84-91 S '62.
- TRANSBAIKALIA—FROZEN GROUND**
Frost weathering of steep slopes of northern and southern exposures in southeastern Transbaikalia and the Amur Valley. G. M. Epshtein. Merz. issl. no. 1: 116-123 '61.
Temperature inversion of surface layers and the distribution of valley frozen ground in Transbaikalia and the Amur Valley. G. M. Epshtein. Merz. issl. no. 1:77-81 '61.
- TRANSBAIKALIA—GEOLOGY, STRATIGRAPHIC**
Some data on the time and conditions of sand accumulation in Transbaikalia. E. A. Vangengeim, V. G. Gorbova. Trudy Kom. chetv. per. 19:268-274 '62.
- TRANSBAIKALIA—GEOLOGY, STRUCTURAL**
River association with the lines of tectonic disturbances and the manifestation of tectonic movements in the history of valley formation; using the example of eastern Transbaikalia. L. V. Zorin. Vest. Mosk. un. Ser. 5: Geog. 17 no. 4:48-53 Ji-Ag '62.
- TRANSBAIKALIA—GLACIAL EPOCH**
Quaternary glaciation of central Transbaikalia. G. S. Anan'ev. Vest. Mosk. un. Ser. 5: Geog. 17 no. 4:27-33 Ji-Ag '62.
- TRANSBAIKALIA—MICROCLIMATOLOGY**
Microclimate of the wooded and woodless northern slopes of the mountainous forested steps of southwestern Transbaikalia. N. A. Mikhkova. Vest. Mosk. un. Ser. 5: Geog. 17 no. 4:54-62 Ji-Ag '62.
- TRANSBAIKALIA—PHYTOGEOGRAPHY**
Data on determining Transbaikalia as a botanical and geographical unit and its zoning. V. B. Kuvshinov. Trudy Vost.-Sib. biol. inst. SO AN SSSR no. 1:14-32 '62.
- TRANSBAIKALIA—RUNOFF**
Distribution of the average perennial runoff on the territory of southeastern Transbaikalia. P. K. Kluge. Vest. Mosk. un. Ser. 5: Geog. 17 no. 4:65-67 Ji-Ag '62.
- TRANSBAIKALIA—TUNGSTEN ORES**
Hypogenic replacement of ore and vein minerals in the ores of tungsten deposits of eastern Transbaikalia. A. V. Druzhinin. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 9:64-72 S '62.
- TRANSBAIKALIA—VALLEYS**
River association with the lines of tectonic disturbances and the manifestation of tectonic movements in the history of valley formation; using the example of eastern Transbaikalia. L. V. Zorin. Vest. Mosk. un. Ser. 5: Geog. 17 no. 4:48-53 Ji-Ag '62.
- TRANSCARPATIA—POTATO BEETLE—EXTERMINATION**
Our practices in eliminating focuses of the Colorado beetle. I. A. Turevich. Zashch. rast. ot vred. i bol. 5 no. 5:49 My '60.
- TRANSCARPATIA—UKRAINIAN LANGUAGE—DIALECTS**
Words native to the Ukrainian Maramorosh dialects of Transcarpathia and their synonyms borrowed from the Hungarian language [with summary in English]. A. A. Mokon'. Vest. LGU 17 no. 20:125-135 '62.
- TRANSCARPATIA—VITICULTURE**
Development of viticulture in Transcarpathia. M. I. Babych. Nauk. pratsi asp. UASHIN no. 5:42-45 '60.
- TRANSCAUCASIA—ARMS AND ARMOR, PRIMITIVE**
Some forms of Transcaucasian arms of the early Scythian period. M. N. Pogrebova. Krat. soob. Inst. arkheol. no. 80:22-29 '62.
- TRANSCAUCASIA—GINKGO**
New data on the biology and geographical distribution of ginkgo cultivated in western Transcaucasia. O. I. Lyppa. Vysnyk Bot. nauk AN URSR no. 4:43-46 '62.
- TRANSCAUCASIA—WEEVILS**
New species of the genus Larinus Germ. (Coleoptera, Curculionidae) from Transcaucasia. M. E. Tor-Minassian. Ent. oboz. 41 no. 4:872-874 '62.
- TRANSCAUCASIA—WORLD WAR, 1939-1945—PERSONAL NARRATIVES**
Alpinists in grey coats. A. Pollakov. Znan. te pratsia no. 12:18-19 D '62.
- TRANSDUCERS**
Anode-shift transducer of an aluminum electrolyzer. I. U. I. Georgievskii. Avtom. i prib. no. 4:86-87 O-D '62.
Choice of the parameters of a network for rectifying the scale of instruments working with logarithmic transducers. V. P. Dubrovnyi. Avtomatyka 7 no. 6:48-51 '62.
Digital converters for compensating nonlinearly in telemetering systems. A. E. Bartmer, N. D. Mikhailova, V. E. Chernyshev. Sbor. rab. po vop. elektromekh. no. 7:314-322 '62.
High-frequency transducer of an electric pulse tachometer. I. U. G. Miller, V. I. A. Ratnovskii. Priborostroenie no. 12:28 D '62.
New principles for designing transducers for measuring displacement and accelerations. Nauch. soob. IGIP 14:77-87 '62.
Six-diaphragm pressure transducer. M. B. Meizel'. Priborostroenie no. 12:24 D '62.
Study of the networks of contactless transducers for use on railroad tracks. V. P. Bukhgol'ts. Mekh. i avtom. v gornoi prom. no. 2:374-389 '62.
Use of transistor a. m. f. Hall transducers in an automatically controlled electric drive system. I. A. Osis. Izv. vys. ucheb. zav.; elektromekh. 5 1009-1013 '62.
- TRANSDUCTORS** see Magnetic amplifiers
- TRANSFORMATIONS (MATHEMATICS)**
Weak isomorphism of transformations having an invariant measure. I. A. G. Sinai. Dokl. AN SSSR 147 no. 4:797-800 D '62.
- TRANSIENTS (DYNAMICS)**
Dynamics of limiting control systems. L. G. Sobolev. Trudy TSNIMF 8 no. 44:68-71 '62.
- TRANSIENTS (ELECTRICITY)**
Transient process arising when power is suddenly applied to a rotating electric motor. A. E. Alekseev and others. Izv. vys. ucheb. zav.; elektromekh. 5 no. 8:1067-1075 '62.
- TRANSISTOR CIRCUITS**
A method for constructing dynamic transistor components for nonstationary load conditions. V. I. Ogandzhaniants, I. I. Plevakov. Sbor. rab. po vop. elektromekh. no. 7: 375-381 '62.
Two transistor circuits. E. I. Dolbak. Trudy Inst. Kom. stand., mer i izm. prib. no. 50:80-83 '62.
- TRANSISTOR OSCILLATORS** see Oscillators, Transistor
- TRANSISTOR RADIOS**
The "Atmosfera-2m" portable transistor radio. N. Kartsev. Radio no. 1:48, 51 Ja '63.
- TRANSISTORS**
Bell Telephone Laboratories, Inc. [Methods for measuring the parameters of transistor devices. Translated from "Transistor technology." Preface by M. Iglitsyn] Metody izmerenii parametrov poluprovodnikovykh priborov. Pod red. M. I. Iglitsyna. Moskva, Oborongiz, 1961. 202 p. (Poluprovodnikovye materialy i pribory)
Bratlavskii, I. A. [Transistor devices in communication apparatus] Poluprovodnikovye pribory v apparature aviatsii. Moskva, Voenizdat, 1962. 127 p.

TRANSISTORS (Continued)

- Capacitance of a varicord and distribution of ionized impurities in its p-n junction. A. M. Shestopalov, V. I. Samoilenko. *Izv. vys. ucheb. zav.; radiotekh.* 5 no. 6:688-689 N-D '62.
- A combinational method for controlling an automated electric drive using Hall transducers. O. V. Popov. *Sbor. rab. po vop. elektromekh.* no. 7:85-101 '62.
- Indirect determination of the temperature of a p-n junction. A. F. Gikis, G. N. Shapovalov. *Izv. vys. ucheb. zav.; elektromekh.* 5 no. 11:1301-1302 '62.
- Kulikovskii, A. A. [Stability of active linearized networks with new types of amplifying devices] *Ustoychivost' aktivnykh linearnykh tsepey s ustoychivymi priborami novykh tipov.* Moskva, Gosenergoizdat, 1962. 101 p.
- New transistors. *Radio* no. 1:52-57 Ja '63.
- Our consultations. *Radio* no. 1:60-61 Ja '63.
- Surface breakdown of p-n junctions in selenium. B. S. Muravskii. *Radiotekh. i elektron.* 8 no. 1:162-170 Ja '63.
- Using contactless semiconductor elements in the automation of elevators. A. P. Pinkel'. *Mik. -elev. prom.* 28 no. 12:8-10 D '62.
- Voltampere characteristics of p-n-p-n transistor devices in "on" state. V. A. Kuz'min. *Radiotekh. i elektron.* 8 no. 1:171-177 Ja '63.

TRANSISTORS—STANDARDS

- Concerning the standardization of designations. M. Andronov. *Radio* no. 1:50 Ja '63.
- Reply to M. Andronov's letter. I. A. Fedotov. *Radio* no. 1:50-51 Ja '63.

TRANSIT INSTRUMENTS

- Loginov, P. P., B. Zh. Bal'zhinova, and B. V. Iasevich. [Theory of meridian instruments and results of astronomical observations] *Teoriya meridiannykh instrumentov i rezul'taty astronomicheskikh nabludenii.* Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1961. 121 p.

TRANSLATING AND INTERPRETING

- Remarks of a translator of technical information. I. N. Dukel'skaya. *Opyt rab. bibliot. s inostr. lit.* no. 3:47-50 '60.
- Work of readers and translators with special terms. S. Ia. Rukaviskii. *Opyt rab. bibliot. s inostr. lit.* no. 3:40-46 '60.

TRANSPORTATION

- (see also subdivision under Adzharia; Moscow)

- Ways for improving the use of motor transportation on state farms. V. I. Kotelnetskiy. *Nauk. pratsi asp. UASIR* no. 5:31-36 '60.

TRANSPORTATION—ABSTRACTS

- [Container shipments and the interaction of various types of transportation] *Ref. zhur.* Otd. vyp. 31: Vzaimodeiia, raz. vid. transp. i kont. perev. no. 1 Ja '63.
- [Industrial transportation] *Ref. zhur.* Prom. transp. no. 1 Ja '63.

TRANSPORTATION—BUILDINGS AND STRUCTURES

- Technological progress is the main path for increasing labor productivity in transport construction. B. Levin. *Ekon. stroi.* no. 1:24-31 Ja '63.

TRANSPORTATION—LAWS AND REGULATIONS

- How our civil codes regulate legal relations arising from the execution of contracts for the transportation of freight. M. K. Aleksandrov-Bol'shuk. *Sov. gos. i pravo* 33 no. 2:104-107 F '63.

TRANSPORTATION—STATISTICS

- Public conveyance of passengers and freight via railroad and river transportation. *Vest. stat.* no. 12:89-91 '62.

TRANSPORTATION—TIMETABLES see subdivision under Crimea

TRANSPORTATION, AUTOMOTIVE

- (see also subdivision under Moscow)

- Bolko, I. I., and V. A. Bulanov. [Freight haulage with tractor trains] *Perevozka gruzov avtopoezdami; opyt malakov-avtotransportnikov.* Moskva, Avtotransizdat, 1962. 100 p.

- New foreign means of transportation for carrying equipment and loads in areas which are difficult to reach. L. A. Dronov, I. V. Kogan. *Stroi. i dor. mash.* 7 no. 11: 35-38 N '62.

- Readers' letters. *Za rul.* 21 no. 1:11 Ja '63.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

- [Automotive and city transportation] *Ref. zhur.* Avt. i gor. transp. nos. 1-2 Ja-F '63.

TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

- Bilukha, M. T. [Accounting in automotive transportation units] *Oblik v avtotransportnykh hospodarstvakh.* Kyiv, Derzhstatizdat URSR, 1961. 230 p.

TRANSURANIUM ELEMENTS

- Spontaneous fission and the synthesis of far transuranium elements. G. N. Plerov, E. D. Donets, V. A. Druin. *Atom. energ.* 14 no. 1:18-26 Ja '63.

TRAPPING

- New techniques of catching live subterranean voles for a complete collection of their ectoparasites [with summary in English] V. B. Sil'verstov, N. L. Gershkovich. *Zool. zhur.* 41 no. 11:1751-1753 N '62.

TRAUMATISM

- Shimanko, I. I. [Physical therapy of surgical diseases and the sequelae of injuries] *Fizioterapiia khirurgicheskikh zabolevani i posledstviy travmy.* Moskva, Medgiz, 1962. 263 p.

- Valnshteyn, V. G., ed. [Concise course in traumatology] *Kratkii kurs travmatologii.* Leningrad, Medgiz, 1962. 287 p. (DNLM)

TRAVELING-WAVE TUBES

- Concerning the use of z-transformations in the solution of traveling-wave tube equations. A. F. Golubentsev. *Radiotekh. i elektron.* 8 no. 1:108-115 Ja '63.
- Effect of reflections on the operation of a backward-wave tube. V. N. Shevchik, N. I. Slitsyn. *Radiotekh. i elektron.* 8 no. 1:89-107 Ja '63.
- Focusing of an electron beam at the input to a magnetic field of an output traveling-wave tube. A. L. Igritskii. *Radiotekh. i elektron.* 8 no. 1:130-137 Ja '63.
- A new method for determining the amplification of a traveling-wave tube. A. F. Golubentsev. *Radiotekh. i elektron.* 8 no. 1:178-181 Ja '63.

TRAWLS AND TRAWLING

- (see also subdivision under Barents Sea)

- On the Murmansk shoal. IURI Kuzakov. *Znamia* 32 no. 10:156-164 O '62.

TREATIES

- Discussing the law of treaties at the 14th session of the International Law Commission of the United Nations. G. I. Tunkin, B. N. Nechaev. *Sov. gos. i pravo* 33 no. 2: 97-103 F '63.

TREE BREEDING

- Utilization of hybridization for obtaining heterosis forms of arboreal plants. A. Ozols. *Izv. AN Latv. SSR* no. 8: 75-80 '62.

TREE FELLING

- Valuable initiative of lumberjack Denisov. P. Lipkin. *Sel. stroi.* 16 no. 1:16-18 Ja '62.

TREE PLANTING

- Sugar content of tissues of the apple tree and planting dates [with summaries in English, German, and French]. V. K. Gramolin. *Vest. sel'khoz. nauki* 7 no. 11:132-134 N '62.
- Transplantation of pine. P. K. Iakovlev. *Blul. Glav. bot. sada* no. 47:86-88 '62.

TREE RINGS see subdivision under Latvia

TREE TOMATOES

- Changes in the heredity of tomatoes resulting from grafting on the tree tomato [with summaries in English, German, and French]. V. A. Vnuchkova. *Vest. sel'khoz. nauki* 7 no. 11:47-53 N '62.

TREES see subdivision under Bol'shoy Ushkanly Island;

- Dudinka region (Krasnoyarsk Territory); Igarka region

TREES—DISEASES AND PESTS

- (see also subdivision under Nakhichevan A. S. S. R.)
- The hawthorn leaf roller *Cacoecia crataegi* Hb. in forests. I. V. Tropin. *Zashch. rast. ot vred. i bol.* 5 no. 7:84 Ji '60.

- U'inskii, A. I. [Guide to forest pests] *Opredelitel' vreditel' lesa.* Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 391 p. (DNAL)

TREES—FERTILIZERS AND MANURES

- Aftereffect of fertilizers in growing trees. P. B. Martem'yanov. *Blul. Glav. bot. sada* no. 47:79-83 '62.

TREES—WOUNDS AND INJURIES

- Hail injury to poplar plantations. S. V. Shevchenko. *Zashch. rast. ot vred. i bol.* 5 no. 11:42 N '60.
- Role of fauna in the formation of tree cavities. I. A. Alekseev. *Trudy Khop. gos. zap.* no. 3:140-141 '59.

TREES IN WINTER

- Transpiration of fruit trees in winter [with summaries in English, German, and French]. T. I. Gorla. *Vest. sel'khoz. nauki* 7 no. 5:114-118 My '62.

TREMATODA see subdivision under Azerbaijan

TREMATODA—BIBLIOGRAPHY see Bibliography—

- Trematoda

TRIALS (MURDER) see subdivision under Germany, West

TRIALS (POLITICAL CRIMES AND OFFENSES) see subdivision under Germany, West

TRIANGLE

- Some properties of "Napoleon" triangles. V. V. Lebedev. *Mat. v shkole* no. 6:64-67 N-D '62.

TRIAPKIN, NIKOLAI

- "Crossroads"; verse by N. Triapkin. Reviewed by Elena Ermilova. *Znamia* 33 no. 1:222-224 Ja '63.

TRIAZINE

- Comparative studies on simazine and atrazine. M. Ia. Berezovskii. *Zashch. rast. ot vred. i bol.* 5 no. 7:28-29 Ji '60.
- Derivatives of 2-benzoyloxy-4,6-diethylenimino-1,3,5-triazine. K. N. Kurdiymova, A. Ia. Berlin. *Zhur. ob. khim.* 33 no. 1:129-131 '63.
- Sensitivity of corn to simazine. L. A. Makozzha, A. V. Pishunov. *Zashch. rast. ot vred. i bol.* 5 no. 7:30 Ji '60.
- Syntheses in the series of 1,3,5-triazine. Part 2: Preparation of mixed 2,4,6-trialkyl-1,3,5-triazines from imino ethers. E. L. Zaitseva and others. *Zhur. ob. khim.* 33 no. 1:199-202 '63.

TRIAZOLETHIOL

- Synthesis of some thiodi- and thiotriazoles. R. G. Dubenko, I. N. Berzina, P. S. Pel'kis. *Zhur. ob. khim.* 33 no. 1:274-276 '63.

TRICHODERMA

- Effectiveness of the biological preparation trichodermin-3. N. S. Fedorinichik. *Zashch. rast. ot vred. i bol.* 4 no. 5:32-33 S-O '59.

TRICHOGRAMMA see subdivision under Vinnitsa Province

TRICHOMONAS

- Life span of *Trichomonas foetus* under various conditions. K. M. Mamadov. *Trudy Azer. nauch. -issl. vel. inst.* 13: 167-173 '62.

TRICHOMONASIS see subdivision under Azerbaijan

TRIDECYLAMINE

- Mechanism of UVB extraction with tridecylamine fluoride solutions. V. M. Vdovenko, A. A. Lipovskii, S. A. Nikitina. *Radiokhimiia* 4 no. 6:625-632 '62.

TRIGONOMETRY

- "Elementary and advanced trigonometry" by K. S. Miller, J. B. Walsh [in English]. Reviewed by D. IU. Panov. *Zhur. vych. mat. i mat. fiz.* 2 no. 5:957-958 S-O '62.

TRINIDAD-TOBAGO—ETHNOLOGY

- The population of Trinidad and Tobago. I. A. Fainberg. *Sov. etn.* no. 6:119-123 N-D '62.

TRINKLER, NIKOLAI PETROVICH, 1850-1925

- Lebedev, A. N. N. P. Trinkler, 1850-1925. Leningrad, Medgiz, 1962. 78 p. [Yadaiushchiesia delateli otchestvennoi meditsiny]

TRITICUM-AGROPYRON HYBRIDS

- Triticum-Agropyron hybrid 173, a new variety of spring wheat. A. V. Iakovlev. *Blul. Glav. bot. sada* no. 47:3-6 '62.

TRITYL GROUP

- On the formation of free radicals of the triphenylmethyl series. IU. I. Kozlov, D. N. Shigorin. *Izv. AN SSSR, Ser. fiz.* 27 no. 1:14-16 Ja '63.

TROITSE-SERGIEVA MONASTERY

- Fall festivals at the Troitse-Sergieva Monastery and Moscow Theological School. Archimandrite Pitirim. *Zhur. Mosk. Patr.* no. 11:20-27 N '62.

TROMBONE—STUDIES AND EXERCISES

- Correcting mistakes made during the initial production of sounds in trombone lessons. B. G. Manzhora. *Nauch. -metod. zap. Sar. gos. konser.* no. 4:107-115 '61.

TROPICAL PLANTS

- (see also subdivision under Astrakhan; Colchiae)

- Investigation of the rhythm of growth of subtropical plants [with summary in English]. G. T. Gutiev. *Subtrop. kul't.* no. 1:23-42 '62.
- Rhythms of the vegetation of introduced evergreen plants in the subtropical regions of the U. S. S. R. G. T. Gutiev. *Blul. Glav. bot. sada* no. 47:13-22 '62.

TROPICS—PLANT COMMUNITIES

- Richness of tropical and subtropical floras and their geographical distribution as a theoretical foundation of introduction and breeding. Report No. 4: Plant formations of subtropical continental climates. V. P. Alekseev. *Subtrop. kul't.* no. 1:109-129 '62.

TRUCK TRAILERS

- The DAF motor trucks, semitrailers and trailers. V. F. Mamonov. *Avt. prom.* 25 no. 11:46-48 N '62.
- Determining the optimum weight for a truck train. A. I. Pitr, IU. V. Kiselev. *Les. prom.* 40 no. 12:21-22 D '62.
- Heavy-duty trailer. IU. S. Promzalev, K. E. Nikul'shin. *Avt. prom.* 28 no. 12:43 D '62.

- TRUCK TRAILERS (Continued)**
 Lateral stability of semitrailers. V. A. Rozhdov, E. S. Savvushkin, P. A. Chutko. Avt.prom. 29 no. 1:9-11 Ja '63.
 Logging truck train. I. N. Lekasau. Les.prom. 40 no. 12:18-20 D '62.
 Operating requirements to supporting brackets of semitrailers. I. U. M. Vlasov, E. I. Kuznetsov. Avt.prom. 28 no. 12:24-25 D '62.
 Tractor trailers of improved roadability. L. Martynovskii, I. U. Sorochan. Tekh. v sel'khoz. 22 no. 11:80-83 N '62.
 Truck train transportation of short timber on mountain roads. A. P. Livanov, A. P. Burlak. Les.prom. 40 no. 12:20-21 D '62.
- TRUSKAVETS—HEALTH RESORTS, WATERING PLACES, ETC.**
 Follow-up on our articles. Okhr. truda i sots. strakh. 6 no. 1:27 Ja '63.
- TRUSSES**
 Reinforced concrete truss beams for buildings with a flat roof. Riul. stroi. tekhn. 19 no. 12:29-30 D '62.
- TSELINNYI KRAY** see Virgin Territory
- TSELINOGRAD—APARTMENT HOUSES**
 Using the method of Leningrad housing construction workers. E. Nekrich. Na stroi. Ros. no. 12:32 D '61.
- TSELINOGRAD—CONSTRUCTION INDUSTRY**
 Moscow workers help build Tselinograd. S. Brodetskii. Na stroi. Ros. no. 12:30-31 D '61.
 Those who try to find shelter against the storms. I. A. Omelichkin. Sov. deput. trud. no. 1:110-112 Ja '63.
- TSELINOGRAD PROVINCE—STATE FARMS—MANAGEMENT**
 Efficiency of specialization and combining branches on the state farms of Tselinograd Province. O. S. Kozharsov. Dokl. TSKHA no. 75:201-209 '62.
- TSELINOGRAD PROVINCE—WILD OATS**
 Biological characteristics of wild oats in Tselinograd Province. V. P. Tomilov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 11:26-35 O '62.
- TSERETELI, AKAKH, 1840-1915**
 Letters written by Sergei Meskhi to Akaki Tsereteli [in Georgian with summary in Russian]. Sh. N. Gogalishvili. Izv. Inst. ruk. AN Gruz. SSR 3:163-188 '61.
- TSHOLKOVSKII, KONSTANTIN EDUARDOVICH, 1857-1935**
 In the homeland of the founder of astronautics. Kryl. rod. 14 no. 1:1 Ja '63.
- TSYURUPINSK DISTRICT—PINE**
 Effect of herbaceous plants on the growth of pine plantations in sandy soils [with summaries in English, German, and French]. Sun' De-Lin' (Sun T'ieh-Lin). Vest. sel'khoz. nauki 7 no. 5:123-126 My '62.
- TUAPSE—HISTORY**
 [Tuapse; popular historical sketches] Tuapse; popularnyi istoricheski ocherk; [Krasnodar] Krasnodarskoe knizhnoe izd-vo, [1955] 101 p.
- TUBE BENDING**
 Device for tube bending. Sh. Perkis. Tekh. v sel'khoz. 22 no. 11:86 N '62.
- TUBERCULIN—TESTING**
 Frequency and importance of doubtful tuberculin reactions. L. P. Firsova, V. G. Kolb. Zdrav. Bel. 8 no. 12:11-13 D '62.
- TUBERCULOSIS**
 Bazhanov, A. M. [Tuberculosis will be defeated] Tuberkulez budet pobezhden; soveti vracha kolkhoznikov. Moskva, Medgiz, 1962. 28 p. (Nauchno-populiarnaya meditsinskaya literatura) (DNLM)
 Blood transfusion with the support of an antishock fluid in clinical pulmonary tuberculosis. I. L. Drulan, M. I. Tafilinskaya. Zdrav. Bel. 8 no. 12:13-15 D '62.
 Epidemiological importance and some clinical characteristics of human diseases caused by the bovine type of Mycobacterium tuberculosis. L. I. Blonskaya. Zdrav. Kazakh. 22 no. 7:28-30 '62.
 Gorovenko, G. G. [Pulmonary resections following ineffective collapse therapy] Rezektsii legkikh posle neefektivnoi kollapsoterapii. Kiev, Gosmedizdat USSR, 1962. 277 p. (DNLM)
 Long antibacterial treatment of fresh forms of destructive pulmonary tuberculosis. B. S. Geller. Zdrav. Bel. 8 no. 12:5-8 D '62.
 Model', L. M. [Essays on the clinical pathophysiology of tuberculosis] Ocherki klinicheskoi patofiziologii tuberkuleza. Moskva, Medgiz, 1962. 322 p. (DNLM)
 Polynuria with dystrophic disorders in pulmonary tuberculosis. Z. V. Sytrskaya. Zdrav. Bel. 8 no. 12:64-65 D '62.
- Shabanov, F. V., and D. D. Aseev, eds. [Present-day problems of tuberculosis] Sovremennyye problemy tuberkuleza. Moskva, Medgiz, 1962. 355 p. (DNLM)**
 Synthesis of some derivatives of bile acids. Report No. 3: Hydrazides, hydrazones and isonicotinylhydrazones of 3 α -oxy-12-ketocholonic and $\Delta^9(11)$ -3 α -oxy-12-ketocholonic acids [with summary in English]. L. N. Volovelskii. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:361-365 '61.
 Thyrotropic function of the hypophysis in experimental tuberculosis [with summary in English]. T. K. Dziubinskaya, N. G. Tsarikovskaya. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:103-107 '61.
- TUBERCULOSIS—DIAGNOSIS**
 Separating proteins-allergens from tubercle bacilli [with summaries in English, German, and French]. D. A. Tsvetkov, V. A. Musliko. Vest. sel'khoz. nauki 7 no. 10:69-70 O '62.
- TUBERCULOSIS—HOSPITALS AND SANATORIUMS** see subdivision under Minsk
- TUBERCULOSIS—PREVENTION**
 (see also subdivision under Kazakhstan)
 Further decrease in tuberculosis incidence. M. N. Lomako. Zdrav. Bel. 8 no. 12:3-5 D '62.
 Interprovincial conference held in Orel for the exchange of advanced experience in organizing antituberculosis measures for the rural population. M. D. Rozanova, B. A. Varsava. Zdrav. Ros. Feder. 6 no. 12:32-34 D '62.
 Kovaleva, S. I. [Prevention of tuberculosis] Preduprezhdenie tuberkuleza. Moskva, Izd-vo "Znanie," 1962. 64 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 12)
- TUBERCULOSIS IN POULTRY** see subdivision under Ukraine
- TUBES**
 Die-cast molds for the manufacture of fire tubes for laboratory kryptol furnaces. P. N. D'kachkov. Trudy Vost. inst. ogneup. no. 2:189-195 '60.
- TUGBOATS**
 Motorboat becomes a propeller. IU. Novosel'tsev. NTO 4 no. 9:48 S '62.
- TULA—FLOUR MILLS—LABOR PRODUCTIVITY**
 Possibilities of increasing labor productivity at flour-milling enterprises. M. Buktam, L. Fidei'man. Muk. elev.prom. 28 no. 10:30-31 O '62.
- TULA—WORLD WAR, 1939-1945**
 [They defended Tula; reminiscences and sketches] Oni zashchishchali Tulu; vospominaniia i ocherki. [Tula] Tula'skoe knizhnoe izd-vo, 1961. 174 p. (CSI-H)
- TULA PROVINCE—COLLECTIVE FARMS—COSTS**
 Ways for increasing the output of agricultural products and reducing their cost; using the example of collective farms in the five districts of Tula Province. Khristmann Daniel'. Dokl. TSKHA no. 75:133-139 '62.
- TULA PROVINCE—COLLECTIVE FARMS—FINANCE**
 A highly efficient utilization of machinery and the new state delivery procedure are the important conditions for the upsurge of collective farm economy; using the example of Tula Province districts. Khanke Gerbert. Dokl. TSKHA no. 75:141-150 '62.
- TULA PROVINCE—DAIRY INDUSTRY—COSTS**
 Hidden potentialities for reducing the production cost of dairy cattle products. A. V. Belinev. Dokl. TSKHA no. 75:123-131 '62.
- TULA PROVINCE—FARM MECHANIZATION**
 Efficiency of utilizing machinery on the collective farms of Tula Province after the reorganization of machine-tractor stations. Bat Karl Ernst. Dokl. TSKHA no. 75:151-157 '62.
- TULA PROVINCE—PRODUCE TRADE**
 A highly efficient utilization of machinery and the new state delivery procedure are the important conditions for the upsurge of collective farm economy; using the example of Tula Province districts. Khanke Gerbert. Dokl. TSKHA no. 75:141-150 '62.
- TULA PROVINCE—PUBLIC HEALTH, RURAL**
 One out of 7. V. Badakva. Sov. Kras. krest 12 no. 4:16 Ji-Ag '62.
- TULA PROVINCE—RUSSIAN LANGUAGE—DIALECTS**
 The restrained "takan'ye" (pronunciation of an unstressed "a" as "a" which is, however, written as "ia") in the Tula dialects. N. B. Parikova. Mat. i issl. po rus. dial. no. 2:15-39 '61.
- TULA PROVINCE—TECHNOLOGICAL INNOVATIONS**
 Growing movement of voluntary design work. B. Mistshehev. NTO 4 no. 11:15-16 N '62.
- TULAIOV, NIKOLAI MAKSIMOVICH, 1875-**
 Creative life of Academician N. M. Tulaiov. B. M. Smirnov. Vest. sel'khoz. nauki 7 no. 10:130-136 O '62.
- TULAREMIA**
 (see also subdivision under Kaliningrad Province; Vyborg District)
 Preservation of tularemia bacteria during streptomycin therapy. K. N. Tokarevich, G. M. Medinskii. Trudy Len. inst. epid. i mikrobiol. 20:130-133 '59.
 Zmeev, G. Ia. [Tularemia] Tularemia. Leningrad, Medgiz, 1962. 15 p. (Nauchno-populiarnaya meditsinskaya literatura) (DNLM)
- TULAREMIA—PREVENTIVE INOCULATION**
 Simultaneous vaccination by the epicutaneous method against plague, brucellosis and tularemia. B. Il. Uzbekova, M. F. Shmuter, G. A. Abdullina. Zdrav. Kazakh. 22 no. 7:63-68 '62.
- TUL'CHIN DISTRICT—COLLECTIVE FARMS—INCOME DISTRIBUTION**
 Guaranteed wages are a powerful means for the upsurge of the collective farm economy. A. Molodchik. Ekon. sel'khoz. 33 no. 12:62-64 D '62.
- TUNGSTEN**
 Thermal diffusion in the system tungsten-beryllium. P. M. Arzhany, R. M. Volkova, D. A. Prokoshkin. Izv. AN SSSR, Otd. tekhn. nauk. Met. i topl. no. 6:162-166 N-D '62.
- TUNGSTEN—ANALYSIS**
 Present state of the analytical chemistry of tungsten. (survey). A. I. Busev, V. G. Tiptsova, A. D. Kildystova. Zav. lab. 28 no. 12:1414-1424 '62.
- TUNGSTEN NITRIDE CRYSTALS**
 Study of II rhombohedral tungsten nitride and its crystallochemical affinity with other nitrides. V. I. Khitrova. Kristallografiia 7 no. 3:374-378 My-Je '62.
- TUNGSTEN ORES** see subdivision under Transbaikalia
- TUNISIA—EDUCATION OF CHILDREN**
 Tomorrow you will be a man; a discussion on the moral education of children. Beatrice King, Nabila Ben Milad. Zhen. mira no. 9:16-17 '62.
- TUNKINSKIYE GOL'TSY RANGE—GEOLOGY, STRATIGRAPHIC**
 Quaternary of Tunkinskiye troughs. L. V. Golubeva, E. I. Ravskii. Trudy Kom. chetv. per. 19:240-259 '62.
- TUNNELING**
 (see also subdivision under Rendsburg, Germany)
 Prestressing of underground bearing elements. O. I. Antonov. Transp. stroi. 12 no. 12:44-45 D '62.
 Ways to lower excess excavation of rock in the construction of hydraulic tunnels. N. D. Charkaleishvili. Gidr. stroi. 33 no. 12:4-7 D '62.
- TUNNELING—EQUIPMENT AND SUPPLIES**
 Cutters for the mechanical working of abrasive rock. K. B. Shlapin, E. A. Motovilov, I. U. Linenko. Transp. stroi. 12 no. 12:46-48 D '62.
- TURBINES**
 Improvement of the oil supply system of the VPT-50 turbine. S. N. Nezhobin. Energetik 11 no. 1:7-8 Ja '63.
 New method for manufacturing wheels for an experimental centripetal turbine. A. V. Iazik. Mashinostroenie no. 5:110-111 S-O '62.
 Study of strength and damping properties of some materials used by the turbine industry. N. V. Novikov, V. T. Troshchenko, V. I. Pobirovskii. Energomashinostroenie 8 no. 12:30-33 D '62.
- TURBINES—TRANSMISSION DEVICES**
 Shaving of the reducing gears of turbine transmission systems. S. G. Printsental'. Energomashinostroenie 8 no. 12:33-36 D '62.
- TURBODRILLS**
 Effective diameter of deep wells in turbodrilling. N. A. Grigor'ian, B. A. Guliev. Azerb. nef. khoz. 41 no. 8:15-18 Ag '62.
 Efficiency of a turbodrill during the rotation of its body. N. Kh. Shammassov. Izv. vyz. ucheb. zav.; nef. i gaz 5 no. 4:20-31 '62.
 Relationship between the optimum axial weight and the parametric characteristics of a turbodrill [in Azerbaidzhan with summary in Russian]. IU. V. Sadykhov. Azerb. nef. khoz. 41 no. 8:18-19 Ag '62.
 Unstable performance of turbodrills under great axial loads. N. V. Nikanorov and others. Azerb. nef. khoz. 41 no. 6:12-15 Je '62.
- TURBOGENERATORS**
 Determination of the parameters of state of water and water vapor using the "Ural-1" digital computer. A. A. Palagin, A. S. Fainshteyn, G. P. Kirukhina. Teploenergetika 10 no. 1:75-84 Ja '63.
 Heating of rotor bands of turbogenerators by current of commercial frequency. P. M. Grigor'ev, S. N. Kurnakov. Energetik 10 no. 12:18-20 D '62.

TURBOGENERATORS (Continued)

Some long-range scientific and technical problems confronting the Soviet turbogenerator industry. A. E. Alekseev, E. G. Kasharskiy. Izv. AN SSSR, Otd. tekhn. nauk, Energ. i avtom. no. 6:3-10 N-D '62.
Welded joints fastening the active steel of hydrogenerator stators. B. A. Kartashkin. Vest. elektroprom. 34 no. 1:39-43 Ja '63.

TURBOMACHINES

Concerning the speed factor of turbomachines. M. G. Ripp. Energomashinostroenie 8 no. 12:39 D '62.
Evaluation of the reliability of power engineering systems. G. L. Gluzman, B. A. Purghin. Energomashinostroenie 8 no. 12:17-20 D '62.
Methodology for the experimental determination of forces acting on turbomachinery blades using an electromagnetic technique for exciting oscillations. A. S. Shemonov. Energomashinostroenie 8 no. 11:37-38 N '62.
New studies on turbomachines conducted by the Central Committee for Heavy Industry. V. V. Semov. Energomashinostroenie 8 no. 11:43 N '62.

TURBULENCE

Hydrodynamic instability and the appearance of turbulence; review. A. S. Monin, A. M. Iaglom. PMTF no. 5:3-38 S-O '62.

Spectrum analysis of Friedmann-Keller equations for uniform turbulence. M. M. Prudnikov. Prikl. mat. i mekh. 26 no. 6:1099-1103 N-D '62.

TURGAY TABLE LAND—BAUXITE

"The Turgay Aluminum Plant Construction Trust" is lagging as usual. V. Goncharov. Nar. khoz. Kazakh. 20 no. 10:61-63 O '62.

TURGAY TABLE LAND—CONSTRUCTION INDUSTRY

"The Turgay Aluminum Plant Construction Trust" is lagging as usual. V. Goncharov. Nar. khoz. Kazakh. 20 no. 10:61-63 O '62.

TURKISTAN—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

The October Revolution Plant... T. Parshin. Part. zhizni' [Uzb.] 5 no. 11:16-20 N '62.

TURKEY—ANTI-COMMUNIST MOVEMENT

Outrages of the reactionaries in Turkey. IU, Gurkov. Nov. vrem. 20 no. 2:21 Ja '63.

TURKEY—ARMENIANS

A letter to the editor. A. Tutlants. Ist. -filol. zhur. no. 4:242 '62.

TURKEY—CAPITALISM

Rozaliev, I. N. [Characteristics of the development of capitalism in Turkey, 1923-1960] Osobennosti razvitiia kapitalizma v Turtsii, 1923-1960 gg. Moskva, Izd-vo vostochnoi lit-ry, 1962. 354 p.

TURKEY—FOREIGN RELATIONS—RUSSIA

Chernikov, I. F. [Soviet-Turkish relations from 1923 to 1935] Radlans'ko-turetski vidnosiny v 1923-1935 rr. Kiev, Akad. nauk Ukr. SSR, 1962. 134 p. (CSU-II)

TURKEY—WOMEN

Turkey a country of marvels and miseries; an interview with Munaw Andatch, Claire Wetzler. Zhen. mira no. 2:15 '62.

TURKEY—YURUKS

Settlement of the Yuruks in Turkey [with summary in English]. D. E. Evencev. Sov. etn. no. 6:71-84 N-D '62.

TURKEYS

Production of turkey meat by using intensive methods of raising young turkeys. R. N. Zakalabina. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:327-330 '62.

TURKIC LANGUAGES—GRAMMAR, COMPARATIVE

Akademii nauk SSSR. Institut yazykoznaniia. [Studies on the comparative grammar of the Turkic languages] Issledovaniia po sravnitel'noi grammatike tiurkskikh yazykov. Pod obshch. red. N. K. Dmitrieva i N. A. Baskakova. Moskva, Izd-vo Akad. nauk SSSR. Pt. 4. [Vocabulary] Leksika. 1962. 127 p.

Dmitriev, N. K. [Structure of the Turkic languages] Stroi tiurkskikh yazykov. Moskva, Izd-vo vostochnoi lit-ry, 1962. 606 p.

TURKISH MANUSCRIPTS see Manuscripts, Turkish

TURKMENISTAN—ANTIQUITIES

[Archaeology of the U. S. S. R.; collection of archaeological sources] Arkheologiya SSSR; svod arkheologicheskikh istochnikov. Pod obshch. red. B. A. Rybakova. Moskva, Izd-vo Akad. nauk SSSR.

No. 33-3. Maeson, V. M. [Aeneolithic of the southern regions of Central Asia] Eneolit iuzhnykh oblastei Srednei Azii [Monuments of the developed Aeneolithic of Southwestern Turkmenistan] Pamiatniki razvitiia eneolita Iugo-Zapadnoi Turkmenii. 1962. 27 p.

TURKMENISTAN—ARCHAEOLOGY

Discussion of V. M. Maeson's report. V. I. Markovin. Krat. soob. Inst. arkheol. no. 9:13 '62.
Eastern parallels to the Al-Ubeid Culture. V. M. Maeson. Krat. soob. Inst. arkheol. no. 9:3-13 '62.

TURKMENISTAN—BOTANY—NOMENCLATURE

Nikitin, V. V., and D. B. Kerbabaev. [Popular and scientific Turkmen names of plants] Narodnye i nauchnye turkmenskije nazvaniia rastenii. Otvet. red. S. O. Obezmuradov. Ashkhabad, Izd-vo Akad. nauk Turkmeniskoi SSR, 1962. 169 p.

TURKMENISTAN—BUILDING MATERIALS

Clayey gypsum. A. K. Mamontov. Trudy FTI Turk. fil. AN SSSR no. 2:28-36 '59.

TURKMENISTAN—CARDIIDAE, FOSSIL

Stratigraphic importance of Apsheon Cardidae in Turkmenia. K. A. Astaf'eva-Urbaitis. Vest. Mosk. un. Ser. 4: Geol. 17 no. 6:54-70 N-D '62.

TURKMENISTAN—COTTON—DISEASES AND PESTS

On Turkmen collective farms. N. K. Karaev, O. P. Smetankina. Zashch. rast. ot vred. i bol. 2 no. 5:28-30 N-D '62.

TURKMENISTAN—CROSS AND CROSSES

Depletion of crosses in the early agricultural culture of southern Turkmenia. I. N. Khlopin. Krat. soob. Inst. arkheol. no. 9:14-21 '62.

TURKMENISTAN—GEOLOGY, STRATIGRAPHIC

Some problems of the geology of the Kara Kum series (southeastern Turkmenia). G. I. Amurskii. Trudy Inst. geol. AN Turk. SSR 3:91-115 '60.

TURKMENISTAN—GEOLOGY, STRUCTURAL

Amurskii, G. I., D. M. Mil'shtein, and L. N. Smirnov. [Recent structure and basic characteristics of the tectonic development of southeastern Turkmenistan] Sovremennaiia struktura i osnovnye cherty tektonicheskogo razvitiia Iugo-Vostochnogo Turkmennana. Ashkhabad, Izd-vo Akad. nauk Turkmeniskoi SSR, 1961. 67 p.

TURKMENISTAN—HISTORY

Akademii nauk Turkmeniskoi SSR. Ashkhabad. Institut istorii, arkheologii i etnografii. [Annexation of Turkmenia to Russia; archival documents] Prisoedinenie Turkmenii k Rossii; sbornik arkhivnykh dokumentov. Pod red. A. II'asova. Ashkhabad, Akad. nauk Turkmeniskoi SSR, 1960. 821 p. (MI)

TURKMENISTAN—LEOPARD

Leopard and porcupine. IU, K. Gorelov. Priroda 52 no. 1:110-119 '63.

TURKMENISTAN—LOCUSTS—EXTERMINATION

Results of the 12th Soviet-Iranian conference on quarantine and plant protection. V. V. Kosov. Zashch. rast. ot vred. i bol. 5 no. 6:60-61 Je '60.

TURKMENISTAN—METALWORK

Some results of studying the metal of the Anau Culture. E. N. Chernykh. Krat. soob. Inst. arkheol. no. 9:30-37 '62.

TURKMENISTAN—PETROLEUM GEOLOGY

Significance of K. P. Kalitaki's works for the study of the geology of oil fields in Turkmenia. G. K. Sabitovskii. Trudy Inst. geol. AN Turk. SSR 3:148-158 '60.

TURKMENISTAN—PORCUPINES

Leopard and porcupine. IU, K. Gorelov. Priroda 52 no. 1:110-119 '63.

TURKMENISTAN—SEISMOLOGY

A list of the cities, district centers, city-type villages and village Soviets of the Turkmen S. S. R. with an index of seismic force. E. A. Kerbabaeva. Trudy FTI Turk. fil. AN SSSR no. 2:53-57 '59.

TURKMENISTAN—SERPENTS

Efa. G. A. Grinberg. IUn. nat. no. 1:35 Ja '63.

TURKMENISTAN—WEEDS

Nikitin, V. V. [Weeds of Turkmenistan] Sornala rastitel'nost' Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmeniskoi SSR, 1957. 580 p. (DNAL)

TURNING

Brushtin, D. E., and V. I. Dement'ev. [Fundamentals of machining on lathes] Osnovy tokarnogo dela. Izd. 4., dop. Moskva, Proftekhizdat, 1962. 325 p.

Device for machining the cover of a switchboard. A. Gutst. Tekh. v sel'khoz. 22 no. 11:85 N '62.

TURNIPS—DISEASES AND PESTS see subdivision under Leningrad Province

TURNOVER (BUSINESS)

Changes in consumption and the planning of commodity turnover. I. Korzhenevskii. Sov. torg. 36 no. 11:37-42 N '62.

TURUKHANSK—SALMON FISHING

Camera, telnet and mosquitoes. O. Ignatov. Ogonek 40 no. 37:16 S '62.

TUVA A. S. S. R.—ECONOMIC CONDITIONS

The youth of Tuva. B. Sh. Dolchannaa. Sov. deput. trud. no. 6:44-46 Je '62.

TUVINIANS see subdivision under Todzhinskii District

TUYMAZY REGION—OIL RESERVOIR ENGINEERING

Oil recovery from the D₁₁ layer of the Tuymazy field. V. E. Sukhankin. Geol. nefti i gaza 7 no. 1:16-23 Ja '63.

TWIN-LENS CAMERAS

Twin-lens reflex cameras. M. Shul'man. Sov. foto 22 no. 12:34-36 D '62.

2,4-D

Change in the grains of corn under the influence of increased doses of 2,4-D. N. G. Nikolaeva, S. G. Ivannikov. Uch. zap. Tif. gos. ped. inst. no. 9:201-205 '60.

Comparative effectiveness of the sodium salt and esters of 2,4-D as related to the amounts and time of spraying barley. T. V. Smirnova. Sbor. stud. nauch. -issl. rab. TSKHA no. 11:67-71 '62.
Controlling Bunias orientalis with herbicides. II. F. Trubits'kii. Visnyk sil'shop. nauky 5 no. 12:92-94 D '62.

TYACHEV DISTRICT—RESTAURANTS, LUNCHROOMS, ETC.

Lunchrooms are supplied with precooked food. IU. Svida. Sov. potreb. koop. 6 no. 12:37 D '62.

TYMPANAL ORGAN—SURGERY

Kolomichenko, A. I., and others. [Operations on the stirrup in otosclerosis] Operatsii na stremeni pri otoskleroze. Pod obshch. red. A. I. Kolomichenko. Kiev, Gosmedizdat USSR, 1962. 280 p.

TYPHOID FEVER

Bunin, K. V. [Immunity and rational immuno-antibiotic therapy of typhoid fever and dysentery] Immunitet i ratsional'naii immuno-antibiotikoterapiia brizhushnogo tifia i dizenterii. Moskva, I-i Mosk. med. in-t im. I. M. Sechenova, 1962. 135 p. (DNLM)

TYPHULA

Conditions for the germination of the sclerotium in fungi of the genus Typhula. E. G. Potatova. Zashch. rast. ot vred. i bol. 5 no. 7:40 JI '60.

TYUMEN' PROVINCE—COOPERATIVE SOCIETIES

Let's take new frontiers. E. Bronova. Sov. potreb. koop. 6 no. 11:4-6 N '62.

TYUMEN' PROVINCE—FARM MANAGEMENT

Several problems in determining the optimal sizes of agricultural enterprises. V. P. Brodnikov. Dokl. TSKHA no. 75:209-220 '62.

TYUMEN' PROVINCE—INSURANCE, SOCIAL

From the Collegium of the Ministry. Sots. obesp. 23 no. 11:50-51 N '62.

TYUMEN' PROVINCE—TEACHERS

Shortcomings which Comrade Baklanov tries to conceal. Sov. deput. trud. no. 1:85-86 Ja '63.

TYUNG RIVER—PLANKTON

Plankton of the Markha and the Tyung Rivers, the left affluents of the Vilyuy River. L. E. Komarenko. Trudy Inst. biol. IAFAN SSSR no. 8:136-163 '62.

UDOREVICH, IERONIM PETROVICH, 1896-1937

Comrade commander of the army. Sov. voia 45 no. 1:24-25 Ja '63.

UCHALY REGION—STRIP MINING

Efficient combination of stripping method and equipment in open-pit mining is a potential means of lowering the cost of ore mining. A. P. Karpov. Gor. zhur. no. 5:14-16 My '62.

UDMURT A. S. S. R.—DISABILITY EVALUATION

A hospital introduces corrections. T. Makarova, M. Agafonova. Sots. obesp. 23 no. 9:32-34 S '62.

UDMURT A. S. S. R.—FIRES AND FIRE PREVENTION

The basis of success. G. Raschetin. Pozh. delo 8 no. 12:5 D '62.

UDMURT A. S. S. R.—RUSSIAN LANGUAGE—STUDY AND TEACHING

Russian language in the schools of the Udmurt A. S. S. R. D. Korzh, K. Khvatat-Mukha. Nar. obr. no. 1:23-26 Ja '63.

UDMURT A. S. S. R.—TRADE UNIONS

It looked smooth on the paper. L. Kozhevnikov. Sov. profsoiuzy 18 no. 24:14-15 D '62.

UFA—APARTMENT HOUSES

This brigade completes all the work of building apartment houses. Z. Kh. Mustafin. Transp. stroi. 12 no. 12:6 D '62.

- UFA—BUILDING**
This brigade completes all the work of building apartment houses. Z. Kh. Mustafin. *Transp. stroi.* 12 no. 12:6 D '62.
- UFA—GROCERY TRADE**
We use hidden potentials. L. Zamtsov, V. Lakhova. *Sov. torg.* 36 no. 11:29 N '62.
- UFA DISTRICT—CORN (MAIZE)—DISEASES AND PESTS**
Gamma moth as a corn pest in Bashkiria. L. P. Rok-tanen. *Zashch. rast. ot vred. i bol.* 4 no. 5:55 S-O '59.
- UFA DISTRICT—MOTH—EXTERMINATION**
Gamma moth as a corn pest in Bashkiria. L. P. Rok-tanen. *Zashch. rast. ot vred. i bol.* 4 no. 5:55 S-O '59.
- UFA PLATEAU—LUMBERING**
Practices in working cutovers on the Ufa Plateau. I. I. Levitskii, F. G. Khussainov. *Les. prom.* 40 no. 12: 11-13 D '62.
- UKOK PLATEAU—PHYSICAL GEOGRAPHY**
Natural complexes of the Ukok Plateau, southeastern Altai. E. M. Rakovskaya. *Vest. Mosk. un. Ser. 5:Geog.* 17 no. 4:41-47 JI-Ag '62.
- UKRAINE—AERONAUTICS IN AGRICULTURE**
According to a unified plan. M. Kuznetsov. *Grazhd. av.* 19 no. 9:8 S '62.
- UKRAINE—AIRPLANES—DESIGN AND CONSTRUCTION**
"AN-24," IU. Petrenko. *Nauka i zhytla* 12 no. 7:17 JI '62.
- UKRAINE—AMUR CORK TREE**
Growing Amur cork tree in the forest plantations of the Ukraine. M. I. Nordinenko. *Nauk. pratsi asp. UASHN* no. 5:94-101 '60.
- UKRAINE—ANTIQUITIES**
What the excavations told us. V. Zhenovych. *Nauka i zhytla* 12 no. 9:58-60 S '62.
- UKRAINE—APARTMENT HOUSES**
Design and construction of large-panel apartment houses. I. Zhilkin. *Stroi. i arkh.* 10 no. 12:13-18 D '62.
In the Scientific Research Institute for the Organization and Mechanization of Construction. *Biul. stroi. tekhn.* 19 no. 12:40-41 D '62.
- UKRAINE—APPLE**
Effect of pruning on the setting and shedding of fruit in apple. K. D. Tretjak. *Visnyk sil'hosp. nauky* 5 no. 12:86-89 D '62.
- UKRAINE—APPLE—DISEASES AND PESTS**
Effectiveness of thoroughgoing annual spraying of orchards. V. V. Shcherbakov. *Zashch. rast. ot vred. i bol.* 5 no. 10:9-12 O '60.
- UKRAINE—ARBORVITAE**
Vegetative reproduction of some conifers. M. F. Kaplunenko. *Visnyk Bot. sadu AN URSR* no. 4:5-7 '62.
- UKRAINE—ARCHITECTURE**
Akademlia budivnytstva i arkhitektury URSR. Instytut teorii ta istorii arkhitektury i budivelnol tekhniky. [Outline history of architecture and building in the Ukraine] Pytannya istorii arkhitektury ta budivelnol tekhniky Ukrainy. Kyiv, Derzhbudvydav URSR, 1959. 301 p., illus. (MH)
- UKRAINE—ARCHITECTURE AND CLIMATE**
New standard designs for apartment houses and public buildings. D. Morozov. *Stroi. i arkh.* 10 no. 8:17-19 Ag '62.
- UKRAINE—AUDITING AND INSPECTION**
The auditing group should constitute a part of the accounting section. A. Iamryshko, N. Sergeev. *Sov. torg.* 36 no. 11:30-32 N '62.
- UKRAINE—AUTOMATION**
Automatic machinery is controlled by electricity. S. Kashprovs'kyi. *Nauka i zhytla* 12 no. 7:6-8 JI '62.
- UKRAINE—AUTOMOBILE INDUSTRY**
A day at the Kommunar Plant. E. Leont'ev. *Za rul.* 20 no. 12:15 D '62.
- UKRAINE—AUTOMOBILE RACING**
Active workers spread their wings. I. Glaz'ev. *Za rul.* 21 no. 1:8 Ja '63.
- UKRAINE—BIBLIOGRAPHY (THEORY, METHODS, ETC.)**
Reference and bibliographical work of the Ukrainian Book Chamber. R. I. Tselinskii. *Sov. bibl.* no. 6:3-8 '62.
- UKRAINE—BUCKWHEAT**
Effect of predecessors and weather conditions on the yield of buckwheat. V. I. Iakymenko. *Visnyk sil'hosp. nauky* 5 no. 12:39-42 D '62.
- UKRAINE—BUILDING**
Akademlia budivnytstva i arkhitektury URSR. Instytut teorii ta istorii arkhitektury i budivelnol tekhniky. [Outline history of architecture and building in the Ukraine] Pytannya istorii arkhitektury ta budivelnol tekhniky Ukrainy. Kyiv, Derzhbudvydav URSR, 1959. 301 p., illus. (MH)
- UKRAINE—BUILDING MATERIALS INDUSTRY**
From laboratory into life. V. I. Sokolov. *Nauka i zhytla* 12 no. 9:56-57 S '62.
- UKRAINE—COAL PREPARATION**
Creative life of a department. I. Shapoval. *Nauka i zhytla* 12 no. 9:43 S '62.
- UKRAINE—COLLECTIVE FARMS**
Optimal size of collective farms in the Ukrainian S. S. R. N. R. Obratasova. *Visnyk sil'hosp. nauky* 5 no. 12:3-7 D '62.
- UKRAINE—COLLECTIVE FARMS—INTERFARM COOPERATION**
Intercollective farm cooperation in construction is a form of more efficient utilization of capital investments on collective farms. A. Vydoborets'. *Ekon. Rad. Ukr.* no. 6:66-72 N-D '62.
- UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION**
Role of the Central Committee of the Russian Communist Party (Bolshevik) in the establishment of the Communist Party (Bolshevik) of the Ukraine. IU. V. Shilovtsev. *Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar.* no. 4:29-41 '60.
"Voluntary participation in party work; from the practice of the party organization of the Ukraine." Reviewed by V. Vorontsov. *Part. zhizn'* no. 3:74-77 F '63.
[Voluntary participation in party work; from the practice of Ukrainian party organizations] Obshchestvennye nachala v partiinol rabote; iz opyta raboty partiinolykh organizatsii Ukrainy. Kiev, Gospolitizdat URSR, 1962. 286 p. (iz opyta raboty partiorganizatsii Ukrainy)
- UKRAINE—COMMUNIST YOUTH LEAGUE**
[Born of life; a yearbook of the Communist Youth League] Narodzhenni zhytliam; Komusomol's'kyi shchornichnyk Kyiv, Vyd-vo "Molod", 1962. 330 p.
- UKRAINE—CONIFERAE—DISEASES AND PESTS**
Chermes and measures for their control. G. V. Dmitriev. *Zashch. rast. ot vred. i bol.* 5 no. 5:36-38 My '60.
- UKRAINE—CONSTRUCTION INDUSTRY**
Construction of city-type rural villages. IA. Timofeev. *Stroi. tekhn.* 16 no. 1:9-10 Ja '62.
Great deeds of builders. S. Andrianov. *Stroi. i arkh.* 10 no. 1:1-3 Ja '62.
In the State Committee on Construction of the Ukrainian S. S. R. *Biul. stroi. tekhn.* 19 no. 12:35-36 D '62.
Intercollective farm cooperation in construction is a form of more efficient utilization of capital investments on collective farms. A. Vydoborets'. *Ekon. Rad. Ukr.* no. 6:66-72 N-D '62.
Our interviews. *Stroi. i arkh.* 10 no. 12:34-38 D '62.
- UKRAINE—CORN (MAIZE)**
Ivanov, I. IE. [Corn as a material for industrial enterprises] Kukurudz - syrovyna promyslovolykh pidpryemstv. Kyiv, Derzhtekhnvydav URSR, 1961. 37 p.
Pistunov, M. I. [Expert corn growers] Malistry - kukurudzovody. [Dnipropetrovsk] Dnipropetrovsk ke knyzhkovye vyd-vo, 1961. 44 p. (Biblioteka kukurudzovoda) (DNAL)
Romanov, V. I. [Economic effectiveness of over-all mechanization of corn growing] Ekonomichna efektyvnist' kompleksnoi mekhanizatsii vyrobnytstva kukurudzy. Kyiv, Derzhsil'hospvydav URSR, 1961. 105 p. (DNAL)
- UKRAINE—CORN (MAIZE)—FERTILIZERS AND MANURES**
Conditions for increasing the effectiveness of fertilizers for corn. V. V. Pshebel's'kyi. *Visnyk sil'hosp. nauky* 5 no. 12:80-82 D '62.
- UKRAINE—COTTON—DISEASES AND PESTS**
Deformation of the true leaves of cotton by thrips. V. N. Vydriakov. *Zashch. rast. ot vred. i bol.* 5 no. 3:50 Mr '60.
- UKRAINE—CULTURE**
For the further development of culture in the Ukrainian S. S. R. P. Tron'ko. *Ekon. Rad. Ukr.* no. 6:12-22 N-D '62.
Ryl's'kyi, Maksym. [Works in ten volumes] Tvory v desiaty tomakh. Kyiv, Derzh. vyd-vo khudozh. lit-ry. Vol. 10. [Articles on literature and art] Statki pro literaturu i mystetstvo, 1962. 412 p.
- UKRAINE—CURRANTS—DISEASE AND PEST RESISTANCE**
Resistance of black currants to Septoria. P. Z. Sharen-hovyi. *Nauk. pratsi asp. UASHN* no. 5:87-89 '60.
- UKRAINE—CYBERNETICS—RESEARCH**
Coordination of research work on cybernetics in the Ukraine. A. A. Stognii. *Zhur. vych. mat. i mat. fiz.* 2 no. 5:953-955 S-O '62.
- UKRAINE—DRAINAGE**
Roar of peaceful explosions. M. Sytyl. *Nauka i zhytla* 12 no. 10:43 O '62.
- UKRAINE—DWARF FRUIT TREES**
Growing dwarf fruit trees in the Ukrainian S. S. R. M. P. Tarasenko. *Visnyk sil'hosp. nauky* 5 no. 12:43-50 D '62.
- UKRAINE—ECONOMIC CONDITIONS**
Bakumenko, P. I. [The Ukraine during the reconstruction of the national economy, 1921-1925] Ukraina RSR v period vldbudovy narodnoho hospodars'tva, 1921-1925 rr. [Kyiv] Vyd-vo Kyivs'koho univ., 1960. 103 p. (MH)
In the close-knit family of Soviet peoples. *Nauka i zhytla* 12 no. 7:24-25 JI '62.
- UKRAINE—ECONOMIC POLICY**
Beginning of a great work. *Part. zhizn'* no. 4:73-75 F '63.
- UKRAINE—EDUCATION, COOPERATIVE**
Development of education. IU. Dadenkov. *Nauka i zhytla* 12 no. 10:34-35 O '62.
- UKRAINE—EDUCATION, PRESCHOOL**
Let's stimulate the work of the sections of the Pedagogical Association. T. Dmytrenko, N. Makheva. *Doshk. vykh.* 23 no. 10:47 O '62.
- UKRAINE—ELECTRIC POWER PRODUCTION**
Automatic machinery is controlled by electricity. S. Kashprovs'kyi. *Nauka i zhytla* 12 no. 7:6-8 JI '62.
- UKRAINE—ELECTRIFICATION**
Electrification of the Ukrainian S. S. R. during the years of the seven-year plan. V. Naumchenko, V. Sytnykov. *Ekon. Rad. Ukr.* no. 6:23-27 N-D '62.
How the Communist Party of the Ukraine struggled during the first five-year plan for the carrying out of Lenin's ideas on the electrification of industry. O. I. Stetsenko. *Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar.* no. 4:135-150 '60.
- UKRAINE—ETHNOLOGY—PERIODICALS**
"Narodna tvorchist' ta etnografiia." Vol. 1-4. N. Polishchuk. *Sov. etn.* no. 6:158-161 N-D '62.
- UKRAINE—EURYGASTERS—EXTERMINATION**
Spraying in controlling the shield bug Eurygaster intergriceps. M. D. Taranukha. *Zashch. rast. ot vred. i bol.* 5 no. 5:32-33 My '60.
- UKRAINE—FERTILIZERS AND MANURES**
Is it dead capital? No! L. Khrystieva. *Nauka i zhytla* 12 no. 10:25-28 O '62.
- UKRAINE—FIRES AND FIRE PREVENTION—STUDY AND TEACHING**
Authority of the teacher. E. TSariuk. *Pozh. delo* 9 no. 1:26-27 Ja '63.
- UKRAINE—FLAX—PRICES**
Role of state purchasing prices in the primary processing of flax. V. Bohalenko. *Ekon. Rad. Ukr.* no. 6:79-82 N-D '62.
- UKRAINE—FOOD RESEARCH**
Scientific and technical conference of representatives of the canning, dried vegetables and concentrated food industries. P. T. Sulimenko. *Khar. prom.* no. 4:85 O-D '62.
- UKRAINE—FRUIT—DISEASES AND PESTS**
Microbiological method for controlling the brown orchard mite Brlobia redikorzevi Reck. N. P. Diadechko. *Zashch. rast. ot vred. i bol.* 4 no. 5:36-37 S-O '59.
- UKRAINE—FRUIT, CANNED**
Manufacture of pureed fruit. M. P. Basiuk. *Khar. prom.* no. 4:26-28 O-D '62.
- UKRAINE—FUNERAL RITES AND CEREMONIES**
[Archaeology of the U. S. S. R.; collection of archaeological sources] Arkheologiya SSSR; svod arkheologicheskikh istochnikov. Pod obshchey red. B. A. Rybakova, Moskva, Izd-vo Akad. nauk SSSR.
No. D1-12 [Antiquities of the Iron Age in the Inter-fluve of the Dnna and Dnieper Rivers; 1. Archaeological map; 2. Funeral rites] Drevnosti Zheleznoho veka v mezhduzhch'e Desny i Dnepru; 1. Arkheologicheska karta; 2. Pogrebal'nye obriady, 1962. 72 p. map, tables.
- UKRAINE—GEOLOGY, STRATIGRAPHIC**
Age of continental sediments of the Paltavian series. R. N. Rotman. *Trudy Inst. geol. nauk. AN URSR. Ser. zah. geol.* no. 1:12-26 '62.

UKRAINE — GEOLOGY, STRATIGRAPHIC (Continued)

Significance of the remains of mammals for the paleontological basis of the stratigraphy of the Neogene and Quaternary. I. G. Pidoplichko, V. A. Topachevskii. Trudy Kom. chetv. per. 20:98-107 '62.

Status of the boundary between the Tertiary and Quaternary in the Ukrainian S.S.R. P. K. Zamoril, G. I. Molievko. Trudy Kom. chetv. per. 20:170-172 '62.

UKRAINE—GRASSES—FERTILIZERS AND MANURES

Effect of mineral nutrition and growing conditions on the yield of perennial grasses. O. S. Ustyimenko. Nauk. pratsi asp. UASHN no. 5:66-69 '60.

UKRAINE—GREENHOUSES

Ways for improving the economy of greenhouses. O. Plakhtil. Nauk. pratsi asp. UASHN no. 5:37-41 '60.

UKRAINE—HARVESTING MACHINERY

Promising designs of a machine system for over-all mechanization of harvesting as exemplified by a collective farm of the forest steppe zone of the Ukraine. Fyn. Bnt-IUan. Nauk. pratsi asp. UASHN no. 5:244-257 '60.

UKRAINE—HAY AS FEED

Staroviarov, M. O., and A. E. Mian. [Preparing and using hay meal] Vychotovenia sinnolo boroshna i tolo vykorystannya. Kyiv, Derzhsl'hopvydav URSR, 1961. 46 p. (DNAL)

UKRAINE—HEALTH RESORTS, WATERING PLACES, ETC.

Ukrainian resorts. L. Larichev. Nauka i zhyttia 12 no. 9:36-37 S '62.

UKRAINE—HELMINTHOSPORIUM

Damage to poppy by Helminthosporium papaveris sawada in the Ukraine. L. A. Misko. Nauk. pratsi asp. UASHN no. 5:85-86 '60.

UKRAINE—HISTORY

The centenary of the rebellion in the Kingdom of Poland, Lithuania, White Russia, and the right-bank Ukraine in 1863 (with summary in English, pp. 221-222). I. I. Kostushko. Vop. ist. 38 no. 1:86-99 Ja '63.

Dawn of the new world. M. Suprunenko. Nauka i zhyttia 12 no. 11:2 of cover, 1-3 N '62.

UKRAINE—HISTORY—AUDIO-VISUAL AIDS

Visual aids for the course on the history of the Ukrainian S.S.R. in the eighth grade. N. M. Minzberg, P. S. Fedorenko. Rud. shk. 41 no. 12:75-80 D '62.

UKRAINE—HISTORY—STUDY AND TEACHING

History classwork. M. Tarlots'kyi. Zhyttia i shkola 8 no. 10/12:17-20 O-D '62.

UKRAINE—INDUSTRIAL BUILDINGS

New developments in the design and construction of industrial buildings in the Ukraine. G. Diatkin. Arkhit. SSSR no. 12:9-12 '62.

UKRAINE—INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

For the best utilization and maintenance of technical equipment. S. L. Kallistov. Bum. i der. prom. no. 4: 51-52 O-D '62.

UKRAINE—LEAF SPOT

Leaf spot of sugar beets in the western regions of the Ukrainian S.S.R. I. V. Bogovik. Zashch. rast. ot vred. i bol. 5 no. 3:87 Mr '60.

UKRAINE—LUMBERING

Ukrainian scientific and technical conference. Bum. i der. prom. no. 4:53-54 O-D '62.

UKRAINE—LUMBERING—EQUIPMENT AND SUPPLIES

Experience in the mechanization of lumbering operations in the enterprises of "Chernovitsles" Trust. V. A. Poniatovskii. Bum. i der. prom. no. 4:32-35 O-D '62.

UKRAINE—MAMMALS, FOSSIL

Significance of the remains of mammals for the paleontological basis of the stratigraphy of the Neogene and Quaternary. I. G. Pidoplichko, V. A. Topachevskii. Trudy Kom. chetv. per. 20:98-107 '62.

UKRAINE—METALLURGICAL RESEARCH

Research carried out at the Ukrainian Research Institute of Metals. V. I. Dorokhov. Stal' 22 no. 12:1087, 1105-1107, 1122-1123, 1130, 1136 D '62.

UKRAINE—METASEQUOIA

Seed reproduction of Metasequoia. R. V. Karmazin. Viany Bot. sada AN URSR no. 4:8-14 '62.

UKRAINE—MINERALOGY

Mineralogy of Cretaceous sediments in the Belozerska Magnetic Anomaly. V. Kh. Hovorkian. Trudy Inst. geol. nauk. AN URSR. Ser. zah. geol. no. 1:76-81 '62.

UKRAINE—MINES AND MINERAL RESOURCES

Akademiia nauk URSR, Kiev. Instytut ekonomiky. [Put the minerals of the Ukraine in the service of the building of communism] Korysni kopalyny Ukrainy - na sluzhu komunistychnomu bidivnytstvu. Kyiv, Vyd-vo AN URSR, 1962. 270 p.

[MICROFILM]

UKRAINE—MITES—BIOLOGICAL CONTROL

Microbiological method for controlling the brown orchard mite Briobia fedkorzevi Reck. N. P. Diadechko. Zashch. rast. ot vred. i bol. 4 no. 5:36-37 S-O '59.

UKRAINE—MOTION-PICTURE PLAYS

Traditions of Ukrainian motion pictures. M. Bilinskii. Isk. kino no. 10:2-10 O '62.

UKRAINE—MOTION PICTURES IN EDUCATION

Schools should have excellent educational motion pictures. V. S. Lutolenko. Rad. shk. 41 no. 12:64-65 D '62.

UKRAINE—MOTORCYCLE RACING

Active workers spread their wings. I. Glaz'ev. Za rul. 21 no. 1:8 Ja '63.

UKRAINE—OAK

Some characteristics of the florescence and fruit bearing of Quercus borealis Michx. V. F. Mandro. Ukr. bot. zhur. 19 no. 5:102-103 '62.

UKRAINE—OAK—DISEASES AND PESTS

The tiger moth Arcia caja L. in the steppe forest plantations. L. G. Apostolov. Zashch. rast. ot vred. i bol. 5 no. 5:42 My '60.

UKRAINE—OIL INDUSTRIES

The oil and fat industries of the Ukraine increase their production. Khar. prom. no. 4:78-79 O-D '62.

UKRAINE—ORE DRESSING

Ore dressing. V. Karmazin. Nauka i zhyttia 12 no. 10: 22-23 O '62.

UKRAINE—PALYNOLOGY

Age of continental sediments of the Poltavian series. R. N. Rotman. Trudy Inst. geol. nauk. AN URSR. Ser. zah. geol. no. 1:12-28 '62.

UKRAINE—PARASITES—GEESSE

Studying seasonal dynamics of helminth infections of geese in the Ukraine. O. O. Shevtsov. Viany sl'hosp. nauky 5 no. 12:100-104 D '62.

UKRAINE—PENSIONS

Incorrect award of pensions is an extraordinary event. A. Fedorov. Sots. obsep. 23 no. 12:40-43 D '62.

UKRAINE—PHOTOGRAPHY, ARTISTIC

"Ukraine in pictures"; album. Reviewed by Skorobogatov. Sov. foto 22 no. 12:11 D '62.

UKRAINE—PILOTS AND PILOTAGE

Automatic captain is piloting the ship. V. Stal'makh. Nauka i zhyttia 12 no. 7:28 Ji '62.

UKRAINE—PIONEERS (COMMUNIST YOUTH)

[The Pioneer detachment is a companion of the seven-year plan] Zahin-suputnyk semyrichky. Kyiv, Vyd-vo "Molod", 1961. 52 p.

UKRAINE—PLANT LICE—EXTERMINATION

Chemical measures for their control. G. V. Dmitriev. Zashch. rast. ot vred. i bol. 5 no. 5:36-38 My '60.

UKRAINE—PLANTS, PROTECTION OF

In the Ukraine. A. L. Verkhovovskii, M. A. Marchenko. Zashch. rast. ot vred. i bol. 2 no. 6:8-11 N-D '57.

UKRAINE—POLITICS AND GOVERNMENT

Inytskyi, Roman. [The Organization of Ukrainian Nationalists in the Ukraine. The Organization of Ukrainian Nationalists abroad and the Foreign Bureau of the Organization of Ukrainian Nationalists; a history of the organization of the Ukrainian nationalist movement] Organizatsiia ukrains'kykh natsionalistiv v Ukraini. Organizatsiia ukrains'kykh natsionalistiv zakordonom i ZChOUN; pryehnok do istorii ukrains'koho natsionalistychoho rukhu. New York [Vyd. Politychnoi rady odnodumtstv OUN v SShA] 1962. 116 p. (InU)

Ukraine. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Ukrainian S.S.R., fourth session, December 27-28, 1960; verbatim report] Zaskdannia Verkhovnoi Rady Ukrainy 'kol RSR, p'intoho sklykannia; chetverta sesia (27-28 hrudnia 1960 roku). Slonografichnyi zvit. Kyiv, Derzhpolityvdav, URSR, 1961. 208 p.

UKRAINE—POPLAR

Female specimens of the Ukrainian columnar poplar (Populus alba pyramidalis). H. A. Honcharenko. Viany Bot. sada AN URSR no. 4:76-83 '62.

UKRAINE—POPLAR—DISEASES AND PESTS

Using chlorophos against trunk pests of poplar. H. O. Tymchenko. Viany sl'hosp. nauky 5 no. 12:90-92 D '62.

UKRAINE—POPPY—DISEASES AND PESTS

Damage to poppy by Helminthosporium papaveris sawada in the Ukraine. L. A. Misko. Nauk. pratsi asp. UASHN no. 5:85-86 no. 5:85-86 '60.

UKRAINE—PRECAST CONCRETE CONSTRUCTION

Design and construction of large-panel apartment houses. I. Zhukin. Stroi. i arkhit. 10 no. 12:13-16 D '62.

UKRAINE—PUBLIC BUILDINGS

Progressive features of the construction of public buildings. N. Kolomiets. Stroi. i arkhit. 10 no. 12: 19-22 D '62.

UKRAINE—PUBLISHERS AND PUBLISHING

From the history of publishing in the Ukraine. I. Kahanov. Nauka i zhyttia 12 no. 10:55 O '62.

UKRAINE—QUARTZITE

Creative life of a department. I. Shopoval. Nauka i zhyttia 12 no. 9:43 S '62.

UKRAINE—RAIN AND RAINFALL

Balancing relationships between precipitation in Western Siberia and the Ukraine in dry years. V. K. Ivanov. Meteor. i gidrol. no. 1:37-40 Ja '63.

UKRAINE—RESEARCH

Science is the sister of practice. IU. Kozhushko. Nauka i zhyttia 12 no. 10:17 O '62.

UKRAINE—RESTAURANTS, LUNCHROOMS, ETC.

Expansion of food serving enterprises in Ukrainian collective farms. V. Makhniuk. Obshchestv. pit. no. 12:17-21 D '62.

UKRAINE—REVOLUTION, 1917-1921

How V. I. Lenin's "April theses" inspired the peasant masses to struggle during the peaceful phase of the socialist revolution, March-June, 1917. E. E. Malenko. Sbor. nauch. rah. kaf. ist. KPSS vuzov g. Khar. no. 4:61-72 '60.

Joyous melody of the bells of the St. Sophia Cathedral. M. Vernyvolia. Zhyttia i shkola 8 no. 10/12:1-6 O-D '62.

UKRAINE—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Khyzhniak, P. K. [Special Communist unit] Osoblyvyi komunistychnyi. Kyiv, Molod', 1960. 234 p. (NNC)

UKRAINE—ROTATION OF CROPS

Rotation of crops in the Ukraine. V. O. Pastushenko. Zemledzie 24 no. 12:23-30 D '62.

UKRAINE—RUNOFF

Maximum storm runoff in the south of the European part of the Soviet Union. I. I. Galaktionov, IU. M. Georgievskii. Trudy Len. gidromet. inst. no. 11:82-95 '61.

UKRAINE—RURAL ELECTRIFICATION

Development of the electrification of agriculture in the Ukraine during the seven-year plan and its economic effectiveness. I. V. Kozachenko. Nauk. pratsi asp. UASHN no. 5:25-30 '60.

UKRAINE—RURAL ELECTRIFICATION—COSTS

Ways for reducing the cost of production and transmission of electric power by rural electric power stations. I. I. Dorosh. Nauk. pratsi asp. UASHN no. 5:11-18 '60.

UKRAINE—SCRAP METAL INDUSTRY

Pioneer echelons. Komsom. zhizn' no. 22:8-10 N '62.

UKRAINE—SEPTORIA

Resistance of black currants to Septoria. P. Z. Sheren-hovyi. Nauk. pratsi asp. UASHN no. 5:87-89 '60.

UKRAINE—SHRUBS

Variety of roots in shrubs. P. P. Pokhilion. Viany Bot. sada AN URSR no. 4:15-20 '62.

UKRAINE—SOAPBERRY

Biology of Xanthoxeras sorbifolia in the Ukraine. D. M. Holda. Viany Bot. sada AN URSR no. 4:47-50 '62.

UKRAINE—SOIL CONSERVATION

Erosion control measures for the forest-steppe in the Ukraine. Viany sl'hosp. nauky 5 no. 12:108 D '62.

UKRAINE—SPRAYING AND DUSTING IN AGRICULTURE

Airplanes and ground apparatus in beet fields. M. F. Titlunsk. Zashch. rast. ot vred. i bol. 5 no. 7:8-8 Ji '60.

Effectiveness of thoroughgoing annual spraying of orchards. V. V. Shcherbakov. Zashch. rast. ot vred. i bol. 5 no. 10:9-12 O '60.

In cooperation with science. G. M. Hurov. Zashch. rast. ot vred. i bol. 5 no. 7:8-10 Ji '60.

Spraying in controlling the shield bug Eurygaster integriceps. M. D. Taranukha. Zashch. rast. ot vred. i bol. 5 no. 5:32-33 My '60.

UKRAINE—STATISTICS

[The Ukrainian S.S.R. in figures; a brief statistical reference book] Ukrainy'ka RSR v tsifrakh; korotkyi statystychnyi dovidnyk. Kyiv, Derzh. stat. vyd-vo, 1962. 269 p.

- UKRAINE—STATISTICS—CHARTS, TABLES, ETC.**
[Soviet Ukraine; figures and diagrams] Radiants'ka Ukraina; tsytry i diagramy. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 125 p.
- UKRAINE—STEEL—HEAT TREATMENT**
Tempering of steel. K. Starodubov. Nauka i zhyttia 12 no. 10:18-19 O '62.
- UKRAINE—STEEL—METALLURGY**
Present state and prospects for the further development of electric slag refining in the Ukraine. R. E. Paton, B. I. Medovar, I. V. Latsch, Mot. i gornorud. prom. no. 5:12-19 S-O '62.
- UKRAINE—SUGAR BEETS—DISEASES AND PESTS**
Airplanes and ground apparatus in beet fields. M. E. Tshumnyk. Zashch. rast. ot vred. i bol. 5 no. 7:6-8 JI '60.
Leaf spot of sugar beets in the western regions of the Ukrainian S.S.R. I. V. Bogovik. Zashch. rast. ot vred. i bol. 5 no. 3:57 Mr '60.
System of measures for controlling the sugar beet weevil in the Ukraine. V. P. Vasil'ev. Zashch. rast. ot vred. i bol. 5 no. 11:27-30 N '60.
- UKRAINE—SUNFLOWERS—IRRIGATION**
Sunflower in irrigated fields in the south of the Ukraine [with summaries in English, German, and French]. V. K. Ivanov. Vest. sel'khoz. nauki 7 no. 1:31-36 N '62.
- UKRAINE—SWINE**
Advantages of penless keeping of sows with young pigs. A. O. Koval'ov, I. M. Merkov, Z. N. Levandova. Vsiyky sil'hosp. nauky 5 no. 12:62-65 D '62.
- UKRAINE—SWINE—FEEDING AND FEEDS**
Digestion of nutritive substances of the ration and utilization of feed nitrogen by hybrid swine. I. K. Palamarenko. Vsiyky sil'hosp. nauky 5 no. 12:95-97 D '62.
- UKRAINE—TEACHERS, TRAINING OF**
How the Communist Party of the Ukraine carried out V. I. Lenin's directives on the training of Soviet teachers, 1920-1928. A. M. Filippov. Sbor. nauch. rab. kaf. ist. KPSS vuzov g. Khar. no. 4:117-133 '60.
- UKRAINE—TEXTILE FACTORIES**
New flax combines in the Ukraine. T. Erokhin. Stroi. i arkh. 10 no. 12:7-10 D '62.
- UKRAINE—TIGER MOTHS—EXTIRMINATION**
The tiger moth *Arctia caja* L. in the steppe forest plantations. L. G. Apostolov. Zashch. rast. ot vred. i bol. 5 no. 5:42 My '60.
- UKRAINE—TOBACCO THRIPS**
Deformation of the true leaves of cotton by thrips. V. N. Vydrakov. Zashch. rast. ot vred. i bol. 5 no. 3:50 Mr '60.
- UKRAINE—TUBERCULOSIS IN POULTRY**
Disinfection of farms in controlling tuberculosis in poultry. S. M. Dashkevych. Vsiyky sil'hosp. nauky 5 no. 12:104-105 D '62.
- UKRAINE—VIEWS**
[Through Soviet Ukraine; photo report] Po rad, Ukr. no. 12 '62.
- UKRAINE—WATER—PURIFICATION**
Let's conserve the treasures of nature. L. Kul's'kiy. Nauka i zhyttia 12 no. 10:45-46 O '62.
- UKRAINE—WEED CONTROL**
Weed control is a problem of the utmost importance. Sov. deput. trud. no. 6:104 Je '62.
- UKRAINE—WEEVILS—EXTIRMINATION**
System of measures for controlling the sugar beet weevil in the Ukraine. V. P. Vasil'ev. Zashch. rast. ot vred. i bol. 5 no. 11:27-30 N '60.
- UKRAINE—WOMEN**
Knysh, Irena. [Torch in the darkness; Natalia Kobryn's'ka and the Ukrainian women's movement] Smolenskyy u temravi; Natalia Kobryn's'ka i ukrains'kyy zhinochyl ruh. Z peredmovolu Oleny Kyslyva'kol. Vinnipeg, Nakladom avtorky, 1957. 302 p. [With summary in English]. (Ciy)
- The role of women in the ancient Ukraine. V. Lutsiv. Zhyttia i shkola 8 no. 10/12:51-54 O-D '62.
- UKRAINE—WORLD WAR, 1939-1945—PERSONAL NARRATIVES**
Behma, Vasyl', and Luka Kuzla. [Roads of the unconquered] Shliakhy noskorenykh. [Kyiv, Radiana'kyy p's'mennyk, 1962] 500 p. (MH) (NNC)
- UKRAINE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**
Kaisenov, Kasym. [From the jaws of death. Translated from the Kazakh] Iz kogte smerti. Moskva, Voenizdat, 1962. 169 p.
- Lukin, A. A.** [Reconnaissance scouts] Razvedchiki. Moskva, Znanie, 1962. 127 p. (CST-H)
- UKRAINE—WORMS, INTESTINAL AND PARASITIC**
Studying seasonal dynamics of helminth infections of geese in the Ukraine. O. O. Shevtsov. Vsiyky sil'hosp. nauky 5 no. 12:100-104 D '62.
- UKRAINE, WESTERN—CATHOLIC CHURCH (BYZANTINE RITES)**
Andrii Sheptyts'kyi, a victim of his love for the Ukraine. Iosyp Dachkevych. Zhyttia i shkola 8 no. 10/12:30-33 O-D '62.
Galan, Iaroslav. [With a cross or with a dagger; political sketches] S krestom ili s nozhom; pamphlety. Moskva, Goslitizdat, 1962. 117 p.
- UKRAINIAN ART** see Art, Ukrainian
- UKRAINIAN DRAMA—HISTORY AND CRITICISM**
Moroz, Z. P. [The problem of conflict in dramaturgy; essays on the history of Ukrainian realistic drama of the second half of the 19th century] Problema konfliktu v dramaturgii; narysy z istorii ukrains'koi realistichnoi dramy drugoi polovyny XIX st. Kyiv, Radiana'kyy p's'mennyk, 1961. 455 p. (MH) (CaOTU)
- UKRAINIAN LANGUAGE—DIALECTS** see subdivision under Transcarpathia
- UKRAINIAN LANGUAGE—FOREIGN WORDS AND PHRASES—HUNGARIAN**
Words native to the Ukrainian Maramorosh dialects of Transcarpathia and their synonyms borrowed from the Hungarian language [with summary in English]. A. A. Mokan'. Vest. LGU 17 no. 20:125-135 '62.
- UKRAINIAN LANGUAGE—PRONOUN**
Malivlas, I. H. [Syntax of the pronoun in the Ukrainian language] Sintaksis zamennykh v ukrains'kii movi. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 120 p. (CaOTU)
- UKRAINIAN LITERATURE—HISTORY AND CRITICISM**
Chaplenko, Vasyl'. [Scattered human talent; Ukrainian literature under the Soviets, 1920-1933] Propashchi syly; ukrains'ke pys'menstvo pid komunistychnym rezhy-mom, 1920-1933. Vinnipeg, 1960. 141 p. (Ukrains'ka vil'na akademika nauk. Seria: Literatura, no. 6) (MH)
- The crisis of Ukrainian literature. B. I. Antonych. Zhyttia i shkola 8 no. 10/12:43-47 O-D '62.
Mykytenko, I. K. [On the literary front, 1927-1937; articles, reports, and speeches] Na fronti literatury, 1927-1937; statii, dopovidi, promovy. Kyiv, Radiana'kyy p's'mennyk, 1962. 337 p. (MH)
- UKRAINIAN PERIODICALS** see subdivision under United States
- UKRAINIAN POETRY—HISTORY AND CRITICISM**
Ivanenko, V. A. [Poetry, life, man; on lyric poetry] Poezija, zhizn', chelovek; o lirike. Moskva, Sovetskii pisatel', 1962. 225 p.
- UKRAINIAN WIT AND HUMOR**
Makivchuk, F. I., ed. [Folk smiles] Narodnyi usmilyky. [Kyiv, Derzhlitvydav, 1961]. 140 p. (MH)
- ULAN-UDE—GLASS FACTORIES**
[The Ulan-Ude Glass Factory is 25 years old; a historical and economic account] 25 let Ulan-Udenskogo zavodu; istoriko-ekonomicheskiy ocherk. [By Tamara Ivanovna Gorbatenko, 1 dr.]. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1961. 175 p. (MH)
- ULAN-UDE—MEAT INDUSTRY—EQUIPMENT AND SUPPLIES**
Measures which made possible the improvement of the operations in technical product shops. I. Gol'dfarb. Mias, ind. SSSR 33 no. 6:20-21 '62.
- ULCERS**
Content of some microelements in the blood of ulcer patients. A. I. Hurskala. Vestsi AN BSSR. Ser. biol. nav. no. 3:107-111 '62.
- UL'YANOV FAMILY**
Remezova 'kyl, I. D. [Life of the Ul'yanov family in Kiev] Pro perebuvannya sim'i Ul'yanovych u Kyevi. [Kyiv] Kyivs'kyy derzh. univ., 1957. 62 p. (NNC)
- ULTRASONIC TESTING**
Damped piezoelectric detector of an ultrasonic defectoscope. V. E. Ivanov, L. G. Merkulov, L. A. Iakovlev. Zav. lab. 28 no. 12:1459-1464 '62.
Testing the elastic parameters of peat briquets by the pulse ultrasonic method. M. P. Volarovich, E. P. Kovalevskii. Torf. prom. 39 no. 8:14-16 '62.
- Ultrasonic testing of the spot welding of aluminum alloys. I. V. Vavulo. Svar. proizv. no. 7:37-39 JI '62.
Ultrasound and strength. IU, Urzhumtsev. Nauka i zhyttia 12 no. 7:8-10 JI '62.
- ULTRASONIC WAVES**
Determination of the elastic constants of crystals by the pulse ultrasonic method. A. G. Khatkevich. Kristallografiya 7 no. 3:412-417 My-Je '62.
Insulin and ultrasonic waves. I. E. El'piner, L. I. Stekol'nikov. Priroda 52 no. 1:100-101 '63.
- ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS**
Application of ultrasound for injection of solutions in the light source during spectral analysis. E. B. Gerken, L. M. Ivantsov, B. I. Kostin. Zav. lab. 28 no. 12:1451-1454 '62.
Automatic ultrasonic device for measuring the concentration of the groundwood. M. G. Boguslavskii, V. P. Petrov. Trudy VNIH no. 47:132-150 '64.
Effect of ultrasonic waves on the crystallization of naphthalene. G. A. Zil'berg, S. N. Smirnova. Koka i khim. no. 12:39-43 '62.
Effect of ultrasonic waves on the rate of tartar precipitation from grape juice. G. N. Gasiuk, I. P. Duhneva, V. G. Popovskii. Trudy MNIPP 1:75-82 '61.
Oxidation of phenol in the field of ultrasonic waves [with summary in English]. IU, IU, Lur'e, P. F. Kandzas, A. A. Mokina. Zhur. fiz. khim. 36 no. 12:2616-2620 D '62.
Possible use for ultrasonics in pharmaceutical practice. L. I. Stekol'nikov, T. P. Litvinova. Apt. delo 12 no. 3:70-75 My-Je '62.
Preparing emulsions by means of ultrasonics. A. Khugol, Stroi. i arkh. 10 no. 1:37 Ja '62.
Problems in the theory of the welding of plastics by means of ultrasonic waves. L. N. Skorokhodov. Plast. massy no. 11:33-35 '62.
Some results of studying ultrasonic wave propagation in samples of frozen ground. A. D. Frolov, A. A. Smirnov. Merz. isel. no. 1:236-254 '61.
Speeding the crystallization of tartar in the treatment of grape juice with ultrasonic waves in tanks. G. N. Gasiuk and others. Trudy MNIPP 1:83-87 '61.
Ultrasonic emulsifier. Stroitel' 8 no. 11: insert 4 p. N '62.
Ultrasonics and health. L. Favorova, Okhr. truda i sots. stroik. 6 no. 1:33-34 Ja '63.
Use of ultrasonic instruments for determining the thickness of the fat back in live swines. G. Bondarev. Mias, ind. SSSR 33 no. 6:37-38 '62.
Unit for the preparation of water-oil emulsions. B. Gil'chenok. Stroitel' 8 no. 11:27 N '62.
- ULTRASONIC WAVES—SPEED**
Ultrasonic speed and the adiabatic compressibility of m-xylene and CCl₄ along the saturation line. V. I. Stremousov. Uch. zap. Volg. gos. ped. inst. no. 11:80-84 '63.
- ULTRASONICS**
Tamed sounds. V. Nerod. Nauka i zhyttia 12 no. 10:53-54 O '62.
- ULTRAVIOLET RAYS**
Aging of polystyrene materials. Light aging of the copolymer of styrene with acrylonitrile and its stabilization against the effect of ultraviolet rays. E. I. Kirillova and others. Plast. massy no. 11:3-6 '62.
Effect of ultraviolet radiation on the colloidal solutions of macromolecular compounds. E. M. Nanobashvili, I. G. Bekhtadze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:137-142 '62.
Effect of ultraviolet rays on the colloidal solutions of silver and gold. E. M. Nanobashvili, M. Sh. Simonidze, I. G. Bekhtadze. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR 3:129-136 '62.
Photooxidation of cellulose [with summary in English]. O. B. Zapol'skii. Vysokom. soed. 5 no. 1:68-70 Ja '63.
Vacuum ultraviolet rays from a powerful pulsed discharge [with summary in English]. IU, A. Butusov and others. Zhur. eksp. i teor. fiz. 43 no. 6:2008-2014 D '62.
- ULTRAVIOLET RAYS—THERAPEUTIC USE**
Secrets of a sun beam. D. A. Usatnov. Iun. nat. no. 1:26-28 Ja '63.
- UL'YANOVSK—AIRLINES**
Ul'yanovsk is the starting point of long-range air routes. Grazhd. av. 19 no. 11:8-7 N '62.
- UL'YANOVSK—CITY PLANNING**
Some problems of the planning and building development of the center of Ul'yanovsk. IA, T. Kravchuk. Izv. ASIA 4 no. 4:128-130 '62.
- UL'YANOVSK—FLIGHT TRAINING**
Mysteries of methods. M. Baniyl. Grazhd. av. 19 no. 11:8-8 N '62.
- UL'YANOVSK PROVINCE—CONSTRUCTION INDUSTRY**
In Vladimir Il'ich's motherland. P. Lipkin, Sel'. stroi. 16 no. 4:6-7 Ap '60.

UL'YANOVSK PROVINCE—GEOLOGY, STRATIGRAPHIC
Lithologic and facies characteristics of the Lower and Upper Syzranian Paleocene deposits in the Ul'yanovsk region of the Volga Valley. U. G. Distanov. Dokl. AN SSSR 147 no. 4:596-600 D '62.

UL'YANOVSK PROVINCE—WORLD WAR, 1939-1945
[How Ul'yanovsk Province servicemen fought for our country] Ul'yanovskiy v boiakh za Rodinu. [Ul'yanovsk] Ul'yanovskoe knizhnoe izdatel'stvo, 1962, 236 p.

UMBELLIFERAE
Activity and quality of catalase in plants of the families Boraginaceae, Labiatae and Umbelliferae. A. V. Blagoveshchenskiy, N. V. Malyshcheva, T. P. Petrova. Biol. Glav. bot. sada no. 17:48-53 '62.

UNCONSCIOUS, THE see Subconsciousness

UNDERDEVELOPED AREAS
Akademiya nauk SSSR, Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Economic cooperation of the Soviet Union with economically underdeveloped countries] Ekonomicheskoe sotrudnichestvo Sovetskogo Soyuza s ekonomicheski slaborazvityimi stranami. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962, 181 p.

Possibility of a noncapitalist development of the underdeveloped areas. A. Babakhodzhaev. Komm. Uz. 34 no. 11:19-28 N '62.

Self-exposure of the colonists. Idris Cox. Mezhdunar. zhizn' 10 no. 2:62-67 F '63.

What can we learn from the rapid development of some regions from eternal backwardness to present-day progress [with summary in English, p. 182]. T. S. A. Stepanian. Vop. filos. 17 no. 1:24-35 '63.

UNDERDEVELOPED AREAS—CULTURE
Colonialism, enemy of culture. M. Kurgantsev. Mol. komm. no. 12:100-105 D '62.

UNDERDEVELOPED AREAS—ECONOMIC CONDITIONS
The economic development of young states. O. Olenina. Az. i Afr. seg. no. 1:6-8, 11 Ja '63.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS
The October Revolution and the disintegration of the colonial system of imperialism. A. Mamedov. Part. zhizn' [Uzb.] 5 no. 11:9-15 N '62.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—EUROPE, WESTERN
"Common Market" is a new form of colonialism. Abdelaziz Belial. Az. i Afr. seg. no. 1:29-31 Ja '63.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—RUSSIA
Economic cooperation of the U. S. S. R. with underdeveloped countries. A. Kodachenko. Polit. samoochr. 6 no. 11:112-117 N '62.

UNDERGROUND CONSTRUCTION see subdivision under Borisoglebskaya Hydroelectric Power Station

UNDERWATER ACOUSTICS
Sound and the sea. S. Stel'makh. Nauka i zhytiia 12 no. 10:40-41 O '62.

UNDERWATER DRILLING
Organization of deep drilling operations in offshore prospecting. I. P. Kuliev, M. A. Ashrafiev, I. U. A. Agaguseinov. Azerb. nefi. khoz. 41 no. 6:40-43 Ja '62.

UNDERWATER EXPLOSIONS
Effect of the heat production rate in an electric explosion in water on the distribution of the explosion energy. M. I. Vorotnikova. PMTF no. 2:110-112 Mr-Apr '62.
Parameters of a shock wave produced by underwater explosion of a fuse charge. B. D. Khristoforov, E. A. Shirokova. PMTF no. 5:147-149 S-O '62.

UNDERWATER PIPELINES
Making more precise the calculations for ballasting underwater crossings. G. I. Morkin. Stroil. truboprov. 7 no. 12:17-18 D '62.

Scraper and spoils remover. M. I. Kuznetsov. Stroil. truboprov. 7 no. 12:27-28 D '62.

UNDULANT FEVER see Brucellosis

UNEMPLOYED see subdivision under Great Britain; United States

UNGUZ REGION—WATER, UNDERGROUND
Underground waters of the trans-Unguz region. M. K. Kaldarov. Trudy Inst. geol. AN Turk. SSR 3:270-287 '60.

UNION CATALOGS see Catalogs, Union

UNION OF SOVIET SOCIALIST REPUBLICS see Russia

UNITED NATIONS
The battle for Africa. I. U. Bochkarev. Nov. vrem. 20 no. 1:11-13 Ja '63.
Bright tomorrow for world children. L. Cherkasskaya. Sov. Kras. krest 12 no. 4:20-21 Ji-Ag '62.
End of the "Hungarian question." Nov. vrem. 20 no. 3: 2 Ja '63.

If disarmament were achieved. . . . N. Matkovskii. Nov. vrem. 20 no. 3:4-5 Ja '63.

"In place of folly" [in English] by Norman Cousins. Reviewed by I. U. Volodin. Mezhdunar. zhizn' 10 no. 2:134-136 F '63.

The International Trade Conference; an interview with M. V. Nesterov. V. Krasnopol'skii. Nov. vrem. 20 no. 4:13-14 Ja '63.

UNITED NATIONS—BIBLIOGRAPHY see Bibliography—United Nations

UNITED NATIONS EDUCATIONAL SCIENTIFIC AND CULTURAL ORGANIZATION
Seismological mission of UNESCO in the Mediterranean Sea region and the Near East. E. V. Karus. Vest. AN SSSR 33 no. 1:63-65 Ja '63.

UNITED STATES—ACCUULTURATION
Indian contribution to the culture of the peoples of the United States [with summary in English]. I. A. Zolotarevskaya. Sov. etn. no. 6:55-70 N-D '62.

UNITED STATES—AGRICULTURAL RESEARCH
Organization of agricultural research in the U. S. A. N. F. Rostovtsev, I. I. Cherkashenko. Vest. sel'khoz. nauki 7 no. 11:142-146 N '62.

UNITED STATES—AMMONIA AS FERTILIZER
Mechanization of transportation, storage, and placement of ammonia in the U. S. A.; a review. V. M. Komarov, V. M. Verkhovskii. Zemledelie 24 no. 12:80-82 D '62.

UNITED STATES—ANTI-COMMUNIST MOVEMENTS
People to the shelters, fascists on the streets. German Leyens. Vsem. stud. nov. 16 no. 4:6-7 Ap '62.

UNITED STATES—ATOMIC BOMB SHELTERS
People to the shelters, fascists on the streets. German Leyens. Vsem. stud. nov. 16 no. 4:6-7 Ap '62.

UNITED STATES—ATOMIC POWER INDUSTRY
Our industry can work for peace. Victor Perlo. Nov. vrem. 20 no. 6:9-11 F '63.

UNITED STATES—ATOMIC SUBMARINES
Special training of crews for American nuclear, rocket-equipped, submarines (from materials in foreign journals). V. V. Perogudov, A. I. Smirnov. Mor. sbor. 46 no. 1:80-84 Ja '63.

UNITED STATES—ATOMIC WEAPONS—TESTING
Nevada and Geneva. Nov. vrem. 20 no. 7:2-3 F '63.

UNITED STATES—AUTOMATIC CONTROL—CONGRESSES
A learning system using statistical decision functions. S. F. Kozubovskiy. Avtomatyka 7 no. 6:60-64 '63.

UNITED STATES—AUTOMATION—ECONOMIC ASPECTS
"Economic problems of automation in the United States" [translated from the English] by John Wheeler. Reviewed by I. A. Kuvshinov. NTO 4 no. 12:54-55 D '62.

Technological changes and the employment problem in U. S. industry. A. S. Bogdanov. Uch. zap. IMO no. 9: 199-214 '62.

UNITED STATES—BANKS AND BANKING
Banks in the United States. Mezhdunar. zhizn' 10 no. 3:148-151 Mr '63.

UNITED STATES—BOILERS
Steam parameters and productive capacity of some modern American boiler units. P. L. Magdel. Energomashinostroyeniye 8 no. 11:44-46 N '62.
Steam superheater and boilers for blocks with supercritical pressures. V. M. Maksimov. Teploenergetika 9 no. 12:74-75 D '62.

UNITED STATES—CHILDREN—MANAGEMENT
Who will win over our youth? Zhytiia i shkola 8 no. 10/12:12-17 O-D '62.

UNITED STATES—CHILDREN AS ARTISTS—EXHIBITIONS
Soviet exhibition "Artistic and technical creativeness of children" in the United States. Z. Mal'kova. Sov. pedagog. 26 no. 8:158-160 Ag '62.

UNITED STATES—CITIES AND TOWNS
Mikhailov, E. D., and F. F. Talyzin. [In cities of the U. S. A.; travel notes] Po gorodam SShA; putevye zametki. [Moskva, Geografiz, 1962] 238 p.

UNITED STATES—COMMERCIAL POLICY
Trade war in the capitalist world. R. Solodkin, V. Shil'dkrut. Nov. vrem. 20 no. 6:16-18 F '63.

UNITED STATES—COMMUNIST PARTY
It's happening. Ata Bel'skaya. Nov. vrem. 20 no. 4: 18-19 Ja '63.

UNITED STATES—CONVEYING MACHINERY
Automatic systems of feed distribution on the farms of the U. S. A. B. Runov. Tekh. v sel'khoz. 22 no. 11: 90-92 N '62.

UNITED STATES—CORPORATIONS

In the fog of legal fictions; myth about the "revolution of business executives" in the U. S. A. I. Beglov. Mezhdunar. zhizn' 10 no. 2:26-35 F '63.

UNITED STATES—CRIME AND CRIMINALS

Crime and corruption in the "welfare state." F. Rakovskii. Sots. zakon. 40 no. 1:90-93 Ja '63.

UNITED STATES—CYBERNETICS—CONGRESSES

A learning system using statistical decision functions. S. F. Kozubovskiy. Avtomatyka 7 no. 6:60-64 '62.

UNITED STATES—DISARMAMENT—ECONOMIC ASPECTS

Our industry can work for peace. Victor Perlo. Nov. vrem. 20 no. 6:9-11 F '63.

UNITED STATES—EARTHQUAKES

[Engineering analysis of the results of earthquakes in Japan and the U. S. A. Translated from the English] Inzhenernyi analiz posledstviy zemletrasenii v Iaponii i SShA. Moskva, Gosstroizdat, 1961, 192 p.

UNITED STATES—ECONOMIC CONDITIONS

Another myth about "people's capitalism." V. Cheprakov. Nov. vrem. 20 no. 8:14-17 F '63.

UNITED STATES—ECONOMICS

Blumin, I. G. [Criticism of bourgeois economics] Kritika burzhuaznoi politicheskoi ekonomii. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 2. [Criticism of modern British and American economics] Kritika sovremennoi angliiskoi i amerikanskoi politicheskoi ekonomii, 1962, 617 p.

UNITED STATES—EDUCATION, HIGHER

Why Kennedy is worried? Vsem. stud. nov. 16 no. 4:18 Ap '62.

UNITED STATES—EDUCATION, PRESCHOOL
Four months in the United States. A. Zorina. Doshk. vosp. 35 no. 11:77-79 N '62.

UNITED STATES—ELECTRIC POWER PLANTS

Organizational structure of the administration of block-type electric power plants. D. G. Kotlovskii. Elek. sta. 33 no. 10:2-7 O '62.

A 600 Mw. block of the Tannern Creek Electric Power Plant. K. A. Rakov. Teploenergetika 9 no. 12:73 D '62.

UNITED STATES—ELECTRICITY IN MINING

Rock breaking by electricity (from "Mining World," February 1962). G. A. Meshkovskii. Met. i gornorud. prom. no. 5:94-95 S-O '62.

UNITED STATES—EXECUTIVES

In the fog of legal fictions; myth about the "revolution of business executives" in the U. S. A. I. Beglov. Mezhdunar. zhizn' 10 no. 2:26-35 F '63.

UNITED STATES—FEEDS

Automatic systems of feed distribution on the farms of the U. S. A. B. Runov. Tekh. v sel'khoz. 22 no. 11: 90-92 N '62.

UNITED STATES—FOOD RESEARCH

Tsentral'nyi institut nauchno-tekhnicheskoi informatsii, Pishchevoi promyshlennosti. [Meat research in the U. S. A.] Issledovanie miasa v SShA. Moskva, 1962, 26 p. (Tekhnicheskaya informatsiya) [MICROFILM]

UNITED STATES—FOREIGN ECONOMIC RELATIONS—AUSTRIA

A gold mine for business executives. Nov. vrem. 20 no. 6:29 F '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—CEYLON

Ceylon: Don't interfere in our affairs! A. Nikolaev. Az. i Afr. seg. no. 1:26-28 Ja '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—LATIN AMERICA

A "drifting" continent (to be continued). I. U. Gvozdev. Nov. vrem. 20 no. 7:11-13 F '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—PERU

Washington and Peru. V. Lislov. Nov. vrem. 20 no. 6: 20-21 F '63.

UNITED STATES—FOREIGN RELATIONS

The United States and the Soviet negotiations of 1930 with England and France [with summary in English, p. 221]. V. I. Popov. Vop. ist. 38 no. 1:68-85 Ja '63.

UNITED STATES—FOREIGN RELATIONS—AFRICA

Larin, V. [American monopolies of Africa] Amerikanskoe monopolii v Afrike. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962, 80 p.

- UNITED STATES—FOREIGN RELATIONS—CANADA**
Canada and nuclear weapons. Nov. vrem. 20 no. 6:8 P '63.
Dangerous proximity; controversies between Canada and the United States. V. Sushchenko. Mezhdunar. zhizn' 10 no. 3:53-61 Mr '63.
- UNITED STATES—FOREIGN RELATIONS—CUBA**
Accomplices. Jose Maria Rangan. Vsem. prof. dvizh. no. 12:18-19 D '62.
"Dollar diplomacy and intervention; the U.S. policy toward Cuba from 1906 to 1934" [in German] by L. Montfort. Reviewed by I. U. M. Grigor'ian. Vop. ist. 38 no. 1:172 Ja '63.
The Organization of American States. M. Manassav. Otv. na vop. trud. no. 4:32-37 Ap '62.
Significant landmark. Nov. vrem. 20 no. 3:1-2 Ja '63.
With Cuba against the American imperialists. Vsem. prof. dvizh. no. 12:17-18 D '62.
- UNITED STATES—FOREIGN RELATIONS—EUROPE, WESTERN**
"Review season" in the West. A. Gorokhov. Mezhdunar. zhizn' 10 no. 2:7-17 F '63.
- UNITED STATES—FOREIGN RELATIONS—GREAT BRITAIN**
"Buzards" and "die-hards." V. Maevskii. Mezhdunar. zhizn' 10 no. 2:77-85 F '63.
Encounter in the Bahamas. Nov. vrem. 20 no. 1:9-10 Ja '63.
A new Dunkirk. R. Palme Dutt. Mezhdunar. zhizn' 10 no. 3:77-84 Mr '63.
- UNITED STATES—FOREIGN RELATIONS—HAITI**
"How the Haitian people have struggled against imperialist oppression" [in Spanish] by A. Marten. Reviewed by I. A. G. Grigor'ev. Vop. ist. 38 no. 1:172-173 Ja '63.
- UNITED STATES—FOREIGN RELATIONS—JAPAN**
"History of the postwar Japan" Vols. 1-4 [in Japanese]. Reviewed by B. Poletaev. Mezhdunar. zhizn' 10 no. 3:136-138 Mr '63.
Kenkyusha Kondankai. [The new Japanese-American security treaty.] Abridged translation from the Japanese. Novyi iapon-o-amerikanskii "dogovor bezopasnosti." Red. N. F. Palsov. Moskva, Izd-vo Inostr. lit-ry, 1962, 191 p.
- UNITED STATES—FOREIGN RELATIONS—LATIN AMERICA**
Alliance with tyrants. Edwin Lewin. Mezhdunar. zhizn' 10 no. 2:126-133 F '63.
- UNITED STATES—FOREIGN RELATIONS—PANAMA**
Latin America today: Panama. Mezhdunar. zhizn' 10 no. 3:152-154 Mr '63.
- UNITED STATES—FOREIGN RELATIONS—PHILIPPINES**
"Cryptocolonialism in the Philippines" [in English] by V. Crosby. Reviewed by O. S. Pavlov. Vop. ist. 38 no. 1:175 Ja '63.
- UNITED STATES—FOREIGN RELATIONS—RUSSIA**
At the crossroads. Sovremennik. Nov. vrem. 20 no. 1:5-6 Ja '63.
Cuba is fighting and will win! Komm. Bel. 36 no. 11:12-15 N '62.
Liberation wars and diplomacy. V. Matveev. Mezhdunar. zhizn' 10 no. 3:93-99 Mr '63.
- UNITED STATES—INDIANS**
Indian contribution to the culture of the peoples of the United States [with summary in English]. I. A. Zolotarevskia. Sov. etn. no. 6:55-70 N-D '62.
- UNITED STATES—INDUSTRIAL ACCIDENTS**
Industrial accidents in the United States of America. I. Nazarenko. Biol. nauch. inform.: trud i zar. plata 5 no. 4:66-73 '62.
- UNITED STATES—INDUSTRIAL EQUIPMENT**
Report of the Business Conditions Research Institute in the Ministry of Foreign Trade of the U.S.S.R. Met. i gornorud. prom. no. 5:93-94 S-O '62.
- UNITED STATES—INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL**
Microbiological insecticides (from "Agriculture, chem." no. 1, 1960). A. G. Zenkevich. Zashch. rast. ot vred. i bol. 5 no. 10:49-50 O '60.
- UNITED STATES—INSURANCE, SOCIAL**
Forgotten people. F. Fogel. Sots. obshch. 23 no. 11:60-63 N '62.
- UNITED STATES—IRON INDUSTRY**
Regionalization of the iron and steel industry in the U.S.A. V. I. Bullavin. Izv. Vses. geog. ob-va 94 no. 6:465-473 N-D '62.
- UNITED STATES—LABOR AND LABORING CLASSES**
In pursuit of profit. I. Nazarenko. Okhr. truda i sots. strakh. 6 no. 1:46-47 Ja '63.
- UNITED STATES—LABOR LAWS AND LEGISLATION**
Several problems of antilabor legislation in the U.S.A. I. E. Gur'ev. Uch. zap. MGPI 164:147-175 '61.
- UNITED STATES—LUMBER**
Production of lumber in the U.S.A. K. T. Senchurov. Les. prom. 40 no. 10:31-32 O '62.
- UNITED STATES—MARITIME LAW**
Judicial practice in the examination of maritime conflicts in the U.S.A. Inform. abor. TSNIIMF no. 82. Mor. pravo i prak. no. 16:87-88 '62.
- UNITED STATES—MILITARY POLICY**
About a so-called "acceptable war." V. Pechorkin. Mezhdunar. zhizn' 10 no. 3:20-36 Mr '63.
Kissinger, H. A. [Nuclear weapons and foreign policy. Abridged translation from the English] Iadernoe oruzhie i vneshnaya politika. Pod red. i s vstup. stat'ei S. N. Krasnolukova. Moskva, Izd-vo Inostr. lit-ry, 1959. 507 p. (Dlia nauchnykh i voennykh bibliotek) (NNC)
"McNamara's doctrines" and those behind them. Val. Zorin. Nov. vrem. 20 no. 3:12-14 Ja '63.
The Pentagon's Asian proving ground. Z. Mirskii. Nov. vrem. 20 no. 7:14-16 F '63.
Polaris rockets and American strategy. B. Teplinskii. Nov. vrem. 20 no. 8:6-9 F '63.
- UNITED STATES—MONOPOLIES**
The U.S. state apparatus in the service of monopolies. V. Chumachenko. Otv. na vop. trud. no. 9:44-51 S '62.
- UNITED STATES—MOTION PICTURES IN INDUSTRY**
Filming technique for studying work processes in the U.S.A. E. Aron. Biol. nauch. inform.: trud i zar. plata 5 no. 4:63-66 '62.
- UNITED STATES—MOTION STUDY**
Filming technique for studying work processes in the U.S.A. E. Aron. Biol. nauch. inform.: trud i zar. plata 5 no. 4:63-66 '62.
- UNITED STATES—NICKEL-IRON ALLOYS**
Industrial production of ferronickel in the United States by direct reduction (from foreign periodicals). A. A. Shikova. Met. i gornorud. prom. no. 5:91-92 S-O '62.
- UNITED STATES—OIL INDUSTRIES—EQUIPMENT AND SUPPLIES**
Extraction of vegetable oils. M. A. Zharskii. Masl.-zhir. prom. 28 no. 12:37-38 D '62.
- UNITED STATES—OIL WELL DRILLING, SUBMARINE**
Some economic problems of offshore petroleum production in the United States. I. S. Guzik. Azerb. neft. khoz. 41 no. 8:47-48 Ag '62.
- UNITED STATES—OILS AND FATS**
Use of animal fats in the United States. N. A. Petrov. Masl.-zhir. prom. 28 no. 12:35-37 D '62.
- UNITED STATES—OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR**
Vacuum dust removal from open-hearth furnace exit-flues. A. Lekhtik. Metallurg 8 no. 1:21 Ja '63.
- UNITED STATES—ORE DRESSING**
New plant for uranium ore dressing in the United States [translated from the English]. L. Hoban. Mines. Mag. 52 no. 2:19 '62. Atom. energ. 14 no. 2:229-231 F '63.
- UNITED STATES—PIANO—COMPETITIONS**
Clifburn Competitions in Fort Worth. L. Oborin. Sov. muz. 26 no. 12:67-70 D '62.
- UNITED STATES—PLANT QUARANTINE**
From practices used in plant quarantine in the U.S.A. D. P. Downar-Zapol'skii. Zashch. rast. ot vred. i bol. 5 no. 11:53-64 N '60.
- UNITED STATES—PLANTS—DISEASES AND PESTS**
Pests and diseases of plants in the U.S.A. (from "Agricultural chemicals" no. 3, 1959). R. S. Kolod'ko. Zashch. rast. ot vred. i bol. 5 no. 10:50-51 O '60.
- UNITED STATES—POLITICS AND GOVERNMENT**
The U.S. state apparatus in the service of monopolies. V. Chumachenko. Otv. na vop. trud. no. 9:44-51 S '62.
- UNITED STATES—POVERTY**
"The other America; poverty in the United States" [in English] by Michael Harrington. Reviewed by N. Aleksandrova. Mezhdunar. zhizn' 10 no. 2:140-142 F '63.
"The other America; poverty in the United States" [in English] by Michael Harrington. Reviewed by R. Entov. Nov. vrem. 20 no. 6:30-31 F '63.
- UNITED STATES—POWER ENGINEERING**
Power engineering statistics of United States. A. P. Salikov. Teploenergetika 9 no. 12:72-73 D '62.
- UNITED STATES—REFUGEES, UKRAINIAN**
Who will win over our youth? Zhyt'ia i shkola 8 no. 10/12:12-17 O-D '62.
- UNITED STATES—RELATIONS (MILITARY) WITH GREAT BRITAIN**
Staleness. V. Osipov. Nov. vrem. 20 no. 2:4-6 Ja '63.
- UNITED STATES—RELATIONS (MILITARY) WITH JAPAN**
Ten thousand in Tokio. Ross. Iasovich. Zhen. mira no. 11:6-7 '62.
U.S. strategy in the Far East and her armed forces in Japan. Mezhdunar. zhizn' 10 no. 2:146-147 F '63.
- UNITED STATES—RELATIONS (MILITARY) WITH KOREA**
[American imperialism is the worst enemy of the Korean people] Amerikanskii imperizizm - zloshchiv vrag koreiskogo naroda. Pyongyang, Izd-vo lit-ry na Inostr.azykakh, 1959. 44 p. (Sbornik materialov o Koree, no. 5)
- UNITED STATES—RELATIONS (MILITARY) WITH SOUTH VIETNAM**
"Undeclared war in South Vietnam" [in French] by L. Van Chat. Reviewed by S. Efimov. Mezhdunar. zhizn' 10 no. 2:136-137 F '63.
- UNITED STATES—RUSSIAN STUDIES**
"Problems of Soviet economic development in the works of American students of economic geography" by G. L. Eganov. Reviewed by Em. N. Ter-Akoplan. Izv. AN Arm. SSR. Obshchestv. nauki no. 12:109-112 D '62.
- UNITED STATES—SCIENCE AS A PROFESSION**
Why Kennedy is worried? Vsem. stud. nov. 16 no. 4:18 Ap '62.
- UNITED STATES—SHIPBUILDING**
American-built ships. Sudostroenie 28 no. 10:68-69 O '62.
- UNITED STATES—SINTERING**
Expansion of sintering in the United States (from "Dust Furnace and Steel Plant," no. 2, 1961) N. V. Fedorovskii. Stroil. dor. mash. 7 no. 11:95 N '62.
- UNITED STATES—SOILS**
Some data on the U.S.A. soils along the line Madison (Wisconsin)-San Francisco. E. V. Lobova. Pochvo-vedenie no. 8:73-87 Ag '62.
- UNITED STATES—SPACE FLIGHT**
The great business. M. Kobrin. NTO 4 no. 11:55-57 N '62.
- UNITED STATES—SPACE SCIENCES**
Cosmic sonde. Priroda 52 no. 1:116 '63.
- UNITED STATES—STEEL—METALLURGY**
Steelmaking in the U.S.A. D. A. Smolarenko. Metallurg 8 no. 1:19-21 Ja '63.
- UNITED STATES—STEEL INDUSTRY**
Regionalization of the iron and steel industry in the U.S.A. V. I. Bullavin. Izv. Vses. geog. ob-va 94 no. 6:465-473 N-D '62.
- UNITED STATES—STOCK AND STOCKBREEDING**
Several problems of the economics of raising farm animals for meat in the U.S.A. V. I. Nazarenko. Dokl. TSKhA no. 75:167-173 '62.
- UNITED STATES—SUPERHEATERS**
Steam superheater and boilers for blocks with supercritical pressures. V. M. Maksimov. Teploenergetika 9 no. 12:74-75 D '62.
- UNITED STATES—TEACHING MACHINES**
Realization of certain psychological principles in teaching machines in the United States. R. I. Birliko, G. O. Saburova. Vop. psikh. 8 no. 4:163-171 Ji-Ag '62.
Use of "teaching machines" in the United States. A. I. Shestakov. Sov. pedagog. 26 no. 12:60-72 D '62.
- UNITED STATES—UKRAINIAN PERIODICALS**
From the editor's mail. Zhyt'ia i shkola 8 no. 10/12:60-61 O-D '62.
- UNITED STATES—UNEMPLOYED**
In the depressed areas of the United States. I. Lapl'skii. Nov. vrem. 20 no. 7:20-21 F '63.
Technical progress and the despair of the unemployed. B. Zharkov. Sots. obshch. 24 no. 1:62-63 Ja '63.
Technological changes and the employment problem in U.S. industry. A. S. Bogdanov. Uch. zap. IMO no. 3:198-214 '62.
Why newspapers are not published in New York. Nov. vrem. 20 no. 4:26 Ja '63.
- UNITED STATES—WOMEN—EMPLOYMENT**
Pashetkina, Z. M. [Problem of the employment of women in the U.S.A.] Problema zhenskogo truda v SShA. Moskva, Izd-vo Akad. nauk SSSR, 1961, 106 p. (NN)
- UNITS**
International system of units. N. V. Kalashnikov, L. R. Stetskii. Svar. proizv. no. 7:42-44 Ji '62.
The international system of units. Teploenergetika 9 no. 12:78-82 D '62.
International unit system. Tekh. kino i telev. 7 no. 13 Ja '63.
International unit system of physical values. Bum. i der. prom. no. 4:50 O-D '62.
International unit system (SI) and its application in teaching in technical schools; answers to editor's mail. Sred. spets. obr. 9 no. 11:53-63 N '62.

UNIVERSITIES AND COLLEGES see subdivision under Kiev; Leningrad; Tbilisi

UNIVERSITIES AND COLLEGES—GRADUATE WORK see subdivision under Siberia

UNJUST ENRICHMENT

Compulsory exaction of adjudged sums in cases concerning the unjust enrichment of the perpetrators of criminal offenses. B. Zakharina, L. Kozak. Sots. zakon. 40 no. 1:40-51 Ja '63.

Leave no loophole which may lead to unjust enrichment! K. Panimsichenko. Sov. deput. trud. no. 6:78 Je '62.

UNSATURATED COMPOUNDS

Addition of silane fluorides to unsaturated compounds. M. F. Shostakovskii and others. Zhur. ob. khim. 32 no. 12:3882-3885 D '62.

Chemistry of polyene and polyacetylene compounds. Report No. 8: Paths in the synthesis of polyene dicarboxylic acids with an even number of double bonds and polyene dicarboxylic acids. B. G. Kovalev and others. Izv. AN SSSR, Otd. khim. nauk no. 1:145-152 '63.

Oxygen-containing organosilicon compounds. Report No. 7: Acetylene and vinylacetylene silanols and their transformations. N. V. Komarov and others. Izv. AN SSSR, Otd. khim. nauk no. 1:97-105 '63.

Unsaturated acids and macrocyclic lactones. Report No. 6: Tri- and tetraacetylene macrocyclic lactones and corresponding polyenes. L. D. Bergel'son, I. I. G. Melotkovskii. Izv. AN SSSR, Otd. khim. nauk no. 1:105-112 '63.

Unsaturation of trimethylene ring and its conjugation with multiple bonds. P. A. Gumbitskii, R. I. A. Levina. Vest. Mosk. un. Ser. 2:Khim. 16 [i.e. 17] no. 6:3-31 N-D '62.

UNZHA VALLEY (KOSTROMA PROVINCE)—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Upper Jurassic sediments in the Unzha Basin. V. P. Nikolaeva, E. A. Troitskaya. Uch. zap. SGU 65:95-98 '60.

UPLES TSUKHE—ANTIQUITIES

TSukheashvili, Nko, Uplis TSukhe. Tbilisi, Gos. izd-vo "Sakrebulo Sakartvelo," 1961. 18 p. illus.

URAL MOUNTAIN REGION—AERONAUTICS IN PUBLIC HEALTH

Use of an airborne public health service in the trans-Ural Region. D. K. Sokolov. Zdrav. Ros. Feder. 6 no. 12:12-16 D '62.

URAL MOUNTAIN REGION—AGRICULTURAL RESEARCH

Role of plant physiology in agricultural research [with summaries in English, German, and French]. O. B. Ermilov. Vest. sel'khoz. nauk 7 no. 1:60-63 N '62.

URAL MOUNTAIN REGION—ELECTRIC POWER PRODUCTION

Electric power ring of the Ural Mountain Region. IE. Anan'ev. Nauka i zhytiia 12 no. 11:52 N '62.

URAL MOUNTAIN REGION—FERTILIZERS AND MANURES

Application of mineral fertilizers in the steppe zone of the trans-Ural region. R. I. Zhukov. Vest. sel'khoz. nauk [Kazakh.] 5 no. 11:43-47 O '62.

URAL MOUNTAIN REGION—GEOCHEMISTRY

Principles of landform and geochemical regionalization for the purpose of searching for mineral resources. M. A. Glazovskaya. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:3-10 N-D '62.

URAL MOUNTAIN REGION—GEOLOGY, STRATIGRAPHIC

Materials on the stratigraphy of Jurassic sediments in the Arctic Urals. M. S. Meszhnikov, S. G. Galerkin. Trudy VNIGRI no. 100:421-436 '62.

URAL MOUNTAIN REGION—IRON INDUSTRY

Instructions for the managers of A. N. Demidov's iron plants. Submitted by M. I. Pavlenko. Ist. arkh. 8 no. 5:148-160 S-O '62.

URAL MOUNTAIN REGION—LANDFORMS

Principles of landform and geochemical regionalization for the purpose of searching for mineral resources. M. A. Glazovskaya. Vest. Mosk. un. Ser. 5:Geog. 17 no. 6:3-10 N-D '62.

URAL MOUNTAIN REGION—ORE DRESSING

Increase the overall use of ores. V. E. Popov and others. Gor. zhur. no. 5:76 My '62.

URAL MOUNTAINS—BRACHIOPODA, FOSSIL

Septacamera plicata Kut. in the Middle Carboniferous of the eastern slope of the Urals. A. A. Sultanov. Trudy VNIGRI no. 100:458-462 '62.

URAL MOUNTAINS—CHALCOPYRITE

"Methodological instructions for carrying out geochemical prospecting for pyritic copper deposits in the Southern Urals based on the secondary halos of dispersion" by M. A. Glazovskaya. Reviewed by I. U. V. Sharkov. Vop. geog. no. 58:178-179 '62.

URAL MOUNTAINS—DIABASE

Silurian diabase-spillite complex in the western wing of the Magnitogorsk synclinalorium in the Southern Urals. V. S. Sharfman. Vest. Mosk. un. Ser. 4: Geol. 17 no. 6: 36-43 N-D '62.

URAL MOUNTAINS—GEOCHEMICAL PROSPECTING

"Methodological instructions for carrying out geochemical prospecting for pyritic copper deposits in the Southern Urals based on the secondary halos of dispersion" by M. A. Glazovskaya. Reviewed by I. U. V. Sharkov. Vop. geog. no. 58:178-179 '62.

Secondary halos of dispersion in the copper-cobalt of the Southern Urals. A. A. Makunina, E. P. Sorokina, E. S. Buchkovskii. Vop. geog. no. 59:53-61 '62.

Some geochemical characteristics of the forest-steppe landforms in the copper ore region of the Southern Urals. M. G. Bozhko. Vop. geog. no. 59:105-131 '62.

URAL MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Recent data on the existence of continental Permian deposits of the eastern slope of the Southern Urals. I. P. Varlamov, L. D. Ozhiganova. Dokl. AN SSSR 147 no. 4:893-895 D '62.

URAL MOUNTAINS—LANDFORMS

Some geochemical characteristics of the forest-steppe landforms in the copper ore region of the Southern Urals. M. G. Bozhko. Vop. geog. no. 59:105-131 '62.

URAL MOUNTAINS—LANDFORMS—CLASSIFICATION

Geochemical principles in the classification of natural landforms. M. A. Glazovskaya. Vop. geog. no. 59: 6-52 '62.

URAL MOUNTAINS—ORE DEPOSITS

Secondary halos of dispersion in the copper-cobalt of the Southern Urals. A. A. Makunina, E. P. Sorokina, E. S. Buchkovskii. Vop. geog. no. 59:53-61 '62.

URAL MOUNTAINS—PEGMATITES

Granite pegmatites occurring in the Talitskiy serpentinite massif of the Central Urals. I. N. Egorov. Trudy IMGRE no. 8:220-235 '62.

Mineralogy of albized pegmatites in an exocontact halo of an alkaline intrusive. E. A. Stankeev. Izv. vys. ucheb. zav. : geol. i razv. 5 no. 10:63-77 O '62.

URAL MOUNTAINS—PHYTOGEOGRAPHY

Geobotanical characteristics of the Polar Urals. V. B. Kuvayev. Trudy Inst. biol. UFAN SSSR. no. 28:39-43 '62.

URAL MOUNTAINS—RUSTS (FUNGI)

Flora of rust fungi in the Urals. Z. A. Demidova. Trudy Inst. biol. UFAN SSSR. no. 20:111-118 '62.

URAL MOUNTAINS—SERPENTINITES

Granite pegmatites occurring in the Talitskiy serpentinite massif of the Central Urals. I. N. Egorov. Trudy IMGRE no. 8:220-235 '62.

URAL MOUNTAINS—SOILS

Akademiia nauk SSSR. Pochvennyi institut im. V. V. Dokuchaeva. [Soils of the Urals, Western and Central Siberia] O pochvakh Urals, Zapadnoi i Tsentral'noi Sibiri. Moskva, Izd-vo Akad. nauk SSSR, 1962. 209 p.

URAL MOUNTAINS—SPILITES

Silurian diabase-spillite complex in the western wing of the Magnitogorsk synclinalorium in the Southern Urals. V. S. Sharfman. Vest. Mosk. un. Ser. 4: Geol. 17 no. 6: 36-43 N-D '62.

URAL MOUNTAINS—TITANOMAGNETITE

On the composition of the titanomagnetites of the Urals. D. S. Sholeberg, V. G. Fominykh. Dokl. AN SSSR 147 no. 6:1452-1454 D '62.

URAL RIVER—PHYTOPLANKTON

Materials on the characteristics of phytoplankton in the Ural River near Orenburg. L. S. Blumina. Bot. zhur. 47 no. 11:1672-1675 N '62.

URAL VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Tatarian sediments in the middle Ural Basin. V. A. Gurlaninov. Uch. zap. SGU 65:81-89 '60.

URAL VALLEY—SOIL FORMATION

Genesis of packed soils in the middle Ural and Kuban Valleys [with summary in English]. T. L. Bystritskaya. Pochvovedenie no. 9:58-68 S '62.

URANIUM

Decantation processes in the hydrometallurgy of uranium. I. A. Iakubovich. Atom. energ. 14 no. 2:206-212 F '63.

Sorption of uranium by activated charcoal from sodium thioacetate solutions. I. A. Kuzin, V. P. Taushekanov, V. S. Aleshechkin. Radiokhimiia 4 no. 6:725-731 '62.

URANIUM—ANALYSES

Determination of uranium in ores and minerals by the polarographic method. L. N. Liubimova, V. G. Sochevanov. Radiokhimiia 4 no. 6:701-706 '62.

URANIUM COMPOUNDS

Mechanism of U(VI) extraction with tridecylamine fluoride solutions. V. M. Vdovenko, A. A. Litovskii, S. A. Nikitina. Radiokhimiia 4 no. 6:625-632 '62.

Some data on the behavior of uranium(IV) in nitric acid solutions. N. P. Ermolov, N. N. Krot. Radiokhimiia 4 no. 6:678-685 '62.

URANIUM ISOTOPES

Number of neutrons emitted by U234 and Pu240 in asymmetric fission [with summary in English]. V. F. Apalin and others. Zhur. eksp. i teor. fiz. 43 no. 6: 2053-2055 D '62.

Partial fission yields of isobars with A = 138. A. N. Apollonova, I. T. Kristuk, V. N. Ushatskii. Radiokhimiia 4 no. 6:711-714 '62.

URANIUM ORES

New plant for uranium ore dressing in the United States [translated from the English]. L. Hoben. Mines. Mag. 52 no. 2:19 '62. Atom. energ. 14 no. 2:229-231 F '63.

URANYL COMPOUNDS

Complex formation between an uranyl ion and orthophosphoric acid. V. I. Karlov. Radiokhimiia 4 no. 6:667-671 '62.

URANYL FERROCYANIDE

Composition of uranyl ferrocyanides formed in the presence of organic solvents [with summary in English]. V. D. Ponomarev, I. V. Tananayev. Zhur. anal. khim. 17 no. 6:718-720 S '62.

URANYL NITRATE

Processes and interaction products of macromolecular compounds with inorganic salts. Part 1: Formation of complexes of polyacrolein with uranyl nitrate. I. V. Andreeva, P. F. Andreev, E. M. Rogozina. Radiokhimiia 4 no. 6:660-667 '62.

UREA

Herbicides and plant regulators. Part 38: New method of preparing arylalkylureas. N. N. Melnikov, K. D. Shvetsova-Shilovskaya, E. I. Lebedev. Zhur. ob. khim. 32 no. 12:3957-3959 D '62.

Interaction in the ternary system urea - phenol - benzole acid. I. I. Il'masov, A. G. Palobekov, A. G. Bergman. Zhur. ob. khim. 33 no. 1:19-22 '63.

Isolating petroleum cyclohexane by means of crystalline thiourea; role of activator in extractive crystallization [in Azerbaijani with summary in Russian]. I. I. Namazov, G. G. Ashumov. Azerb. neft. khoz. 41 no. 6: 34-37 Je '62.

Reaction of urea with hexoses. N. Z. Rudenko. Zhur. ob. khim. 33 no. 1:276-282 '63.

Separation of urea complexes with n-alkanes. V. A. Nekrasova, N. I. Shukhin. Izv. AN SSSR, Otd. khim. nauk no. 1:186-197 '63.

Synthesis of sulfanilurea derivatives with hypoglycemic action [with summary in English]. N. I. Makhenko, T. F. Sysoeva. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:333-335 '61.

UREA AS FEED

Amino acid composition of micro-organisms of the rumen of cows fed urea. F. I. Vrydnyk. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:28-32 '61.

Ammonia content of the milk of cows fed urea and sodium sulfate. P. Z. Lahodjuk. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:33-36 '61.

Effect of feeding urea on some indices of carbohydrate metabolism in cows. N. A. Dovhan'. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:14-17 '61.

Effect of feeding urea on the formation of fermentation acids and some indices of fat metabolism in cows. V. I. Skorokhid. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:18-22 '61.

Effect of sodium sulfate on sulfur metabolism in cows fed urea. I. I. Rozhoni. Nauk. pratsi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:23-27 '61.

Physiological and biochemical changes in the rumen of buffaloes and Red cattle during the feeding of carbamide. A. A. Aliov, M. Sh. Kafarov. Trudy Azer. nauch.-issl. vet. inst. 13:196-208 '62.

UREASE

Activity of urease in soil. E. S. Vasilenko. Pochvovedenie no. 11:61-67 N '62.

URINE—INCONTINENCE

Child needs help. V. M. Vozlinskaya. Doshk. vosp. 35 no. 9:111-114 S '62.

UROLOGY

Moscow. Tsentral'nyi institut usovershenstvovaniia vrachei. [Urgent problems in urology] Aktual'nye voprosy urologii; nauchnye trudy. Pod red. A. P. Frankina. Moskva, 1962. 337 p. (DNLM)

URTICARIA

Shaposhnikov, O. K. [Urticaria] Krapivnitsa. [Leningrad] Medgiz, 1962. 166 p. (Biblioteka prakticheskogo vracha) (DNLM)

- URUGUAY—ELECTIONS**
How they "vote" in Uruguay. K. Khachaturov. Sov. deput. trud. no. 1:107-109 Ja '63.
- URUGUAY—POLITICS AND GOVERNMENT**
Khachaturov, Karen. [Uruguay today] Urugvaj segodnja. Moskva, Izd-vo In-ta mezhduarodnykh otnoshenii, 1962. 174 p.
- URUGUAY—SOCIAL CONDITIONS**
Khachaturov, Karen. [Uruguay today] Urugvaj segodnja. Moskva, Izd-vo In-ta mezhduarodnykh otnoshenii, 1962. 174 p.
- USHAKOVKA VALLEY—PLANT COMMUNITIES**
Microcomplexity of conditions and the role of sparsely represented species in phytocenoses. V. G. Baryshnikov. Trudy Vost.-Sib. biol. inst. SO AN SSSR no. 1:82-89 '62.
- UST'-KAMENOGORSK—APARTMENT HOUSES**
Rapid assembly of large-panel buildings. M. Bukman, IU, Filippov, I. Tarasova. Zhil. stroi. no. 12:13-15 '62.
- UST'-KAMENOGORSK—AUTOMATIC CONTROL**
Paradoxes in planning. G. Peskov. Nar. khoz. Kazakh. 20 no. 10:46-48 O '62.
- UST'-KAMENOGORSK—EMPLOYERS' LIABILITY**
"We can't provide heat for everybody..." A. Vengerov. Otkr. truda i sots. strakh. 6 no. 1:29 Ja '63.
- UST'-KAMENOGORSK—INDUSTRIAL ORGANIZATION**
Paradoxes in planning. G. Peskov. Nar. khoz. Kazakh. 20 no. 10:46-48 O '62.
- UST'-KAMENOGORSK—TECHNICAL LIBRARIES**
In our technical library. D. Romanov. NTO 4 no. 11: 48 N '62.
- UST'-KAMENOGORSK—ZINC—METALLURGY**
Positive experience in the industrial use of oxygen in metallurgy at the V. I. Lenin Lead-Zinc Combine of the East Kazakhstan Regional Economic Council in Ust'-Kamenogorsk. Part. zhizn' no. 2:21-22 Ja '63.
- UST-URT—CATS**
Find of Felis margarita Loche in Ust-Urt [with summary in English]. A. S. Sabitov. Zool. zhur. 41 no. 11:1753-1754 N '62.
- UST-URT—GEOCHEMICAL PROSPECTING**
Geochemical characteristics of landforms in the central part of the Ust-Urt. V. V. Dobrovolskii. Vop. geog. no. 59:145-157 '62.
- UST-URT—GEOLOGY, STRATIGRAPHIC**
Lower Miocene of the northwestern chinks of the Ust-Urt. V. I. Siarostin. Izv. vyz. ucheb. zav. i geol. i razv. 5 no. 10:37-42 O '62.
- Stratigraphy of Miocene sediments in northwestern and northern chinks of the Ust-Urt. Trudy VMGRI no. 189: 339-374 '62.
- UST-URT—LANDFORMS**
Geochemical characteristics of landforms in the central part of the Ust-Urt. V. V. Dobrovolskii. Vop. geog. no. 59:145-157 '62.
- UTERUS**
Contractile function of the uterus in hyperthyroidism [with summary in English]. E. S. Kuz'menko. Trudy Ukr. nauch.-issl. inst. ekol. endok. 18:77-82 '61.
- UTERUS—SECRETIONS**
Content of total nitrogen and reducing substances in the cervical secretion of cows [with summaries in English, German, and French]. I. I. Sokolovskaya and others. Vest. sel'khoz. nauki 7 no. 5:64-72 My '62.
- Some characteristics of cervical secretion in cows [with summary in English]. L. N. Gorokhov. Vest. sel'khoz. nauki 7 no. 10:117-118 O '62.
- UTERUS—TUBERCULOSIS**
Tuberculosis of the cervix uteri. T. K. Orlov. Zdrav. bel. 8 no. 12:53-54 D '62.
- UZBEKISTAN—AERONAUTICS, COMMERCIAL—FINANCE**
Let us take a pencil. A. Gazizadev. Grazhd. av. 19 no. 8:11 S '62.
- UZBEKISTAN—AGRICULTURAL ADMINISTRATION**
The March 1962 Plenum of the Central Committee of the CPSU and improving the guidance of agriculture. R. Abidzhanova. Obshchestv. nauki v Uz. 6 no. 11:14-20 '62.
- UZBEKISTAN—AGRICULTURE**
Nikita Sergeevich Khrushchev in Uzbekistan. Nar. khoz. Uz. 4 no. 11:4-8 N '62.
- Potentialities of agriculture should be used. A. Koldaev, N. Urzhumtseva. NTO 4 no. 12:25-27 D '62.
- The triumphant banner of the October Revolution. Komm. Uz. 34 no. 11:3-12 N '62.
- Victories of the collective farm system. Nar. khoz. Uz. 4 no. 11:45-50 N '62.
- UZBEKISTAN—APARTMENT HOUSES**
Elements of large-panel buildings in seismic districts of Uzbekistan. N. Bukhvostov. Zhil. stroi. no. 2:2-8 '62.
- A housing construction combine. Nar. khoz. Uz. 4 no. 11:76-77 N '62.
- Protection from the sun's rays and orientation of dwellings under the climatic conditions of Uzbekistan. A. V. Ershov. Sbor. nauch. trud. NI po stroi. ASIA no. 2:16-23 '61.
- UZBEKISTAN—APARTMENT HOUSES—STANDARDS**
Principles of the standardization of multistory dwellings under the climatic conditions of Uzbekistan. I. A. Merport. Sbor. nauch. trud. NI po stroi. ASIA no. 2:3-15 '61.
- UZBEKISTAN—BOOKSELLERS AND BOOKSELLING**
The best district is the place of the meeting. M. Prokhonova. Sov. knizh. torg. 14 no. 10:11-13 '62.
- UZBEKISTAN—BRONZES**
Bronze mirrors from the Lyavandak burial mound. O. V. Obel'shenko. Krat. soob. Inst. arkheol. no. 8:48-50 '62.
- UZBEKISTAN—BUILDING MATERIALS INDUSTRY**
Paths of the development of construction and the building materials industry of Uzbekistan in the first years of Soviet government (1917-1928). S. K. Ziladullaev, I. I. Borovkov. Sbor. nauch. trud. NI po stroi. ASIA no. 2: 24-35 '61.
- UZBEKISTAN—CERAMIC MATERIALS**
Changing the technological properties of loess by adding plastic clays. L. M. Botvina, F. Kh. Tadzhiev. Sbor. nauch. trud. NI po stroi. ASIA no. 2:69-75 '61.
- Increasing the durability of ceramic materials used on saline soils. R. F. Zabelina. Sbor. nauch. trud. NI po stroi. ASIA no. 2:91-97 '61.
- UZBEKISTAN—CITY PLANNING**
Some problems of the planning of microdistricts in the cities of Uzbekistan. A. P. Buchuev. Sbor. nauch. trud. NI po stroi. ASIA no. 1:3-25 '61.
- UZBEKISTAN—COLLECTIVE FARMS**
Named after Lenin. Mikh. Pruger. Nar. khoz. Uz. 4 no. 11:50-55 N '62.
- UZBEKISTAN—COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES**
Bring order to the service personnel. V. Grachov, P. Murzaev. Ekon. sel'khoz. 34 no. 1:75-80 Ja '63.
- UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—INFORMATION SERVICES**
Party information is an important instrument for improving guidance. V. Shepotkina. Part. zhizn' [Uzb.] 5 no. 11:41-46 N '62.
- UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Guiding role of the Communist Party of Uzbekistan in constructing hydroelectric power stations during the years of the Great Patriotic War. M. Matulizov, Obshchestv. nauki v Uz. 6 no. 11:45-51 '62.
- Party chronicle. Part. zhizn' [Uzb.] 5 no. 11:95-96 N '62.
- Words must kindle the hearts... V. Makov. Komm. Uz. 34 no. 11:55-58 N '62.
- UZBEKISTAN—CONSTRUCTION INDUSTRY**
Paths of the development of construction and the building materials industry of Uzbekistan in the first years of Soviet government (1917-1928). S. K. Ziladullaev, I. I. Borovkov. Sbor. nauch. trud. NI po stroi. ASIA no. 2: 24-35 '61.
- UZBEKISTAN—CORN (MAIZE)**
Changes in the growth of stems and weight of corn ears as related to the density and size of squares. P. P. Iazykov, M. Barakoev. Agrobiologiya no. 6:831-832 N-D '62.
- UZBEKISTAN—COTTON—DISEASES AND PESTS**
Contribution of scientists of Uzbekistan. K. I. Mirpulatov. Zashch. rast. ot vred. i bol. 2 no. 6:14-17 N-D '57.
- Effectiveness of 30% and 80% concentrates of mercurtophos. D. N. Palasakas. Zashch. rast. ot vred. i bol. 5 no. 6:31 Je '60.
- Unsolved problem in cotton protection. V. M. Mitin. Zashch. rast. ot vred. i bol. 5 no. 5:12 My '60.
- UZBEKISTAN—COTTON BREEDING—RESEARCH**
Fruits of Michurin's theory. Nar. khoz. Uz. 4 no. 11: 73-74 N '62.
- UZBEKISTAN—COTTON GROWING**
We have many common problems and interests. M. Dubinskii. Komm. Uz. 34 no. 10:95-96 O '62.
- UZBEKISTAN—COTTON PICKING**
Uzbekistan women are the leaders of the machine harvesting of cotton. S. Khasanova. Obshchestv. nauki v Uz. 6 no. 11:21-27 '62.
- UZBEKISTAN—COTTON-PICKING MACHINERY**
Machine designers' and manufacturers' aid in supplying the fields with new machinery. G. Vinokurov, IU, Topol'skii. Nar. khoz. Uz. 4 no. 11:63-67 N '62.
- UZBEKISTAN—EARTHQUAKES AND BUILDING**
Elements of large-panel buildings in seismic districts of Uzbekistan. N. Bukhvostov. Zhil. stroi. no. 2:2-8 '62.
- UZBEKISTAN—ECONOMIC CONDITIONS**
Akademiya nauk Uzbekskoi SSR, Tashkent, Institut ekonomiki. [History of the national economy of Uzbekistan] Istoriya narodnogo khozaistva Uzbekistana. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, Vol. 1, 1962. 389 p.
- Let us prepare for the anniversary of the Great October Revolution in a proper way. Komm. Uz. 34 no. 10: 17-23 O '62.
- Under the sun of the Great October Revolution. S. Sher-mukhamedov. Part. zhizn' [Uzb.] 5 no. 11:3-8 N '62.
- UZBEKISTAN—ECONOMIC POLICY**
Several problems of improving economic planning in the Uzbek S.S.R. S. Ziladullaev. Plan. khoz. 40 no. 2: 29-35 F '63.
- UZBEKISTAN—ECONOMIC ZONING**
Improving the lower administrative division of the republic. K. Dedintsev, M. Litrovskaya. Komm. Uz. 34 no. 11:60-76 N '62.
- UZBEKISTAN—EDUCATION**
The flourishing of culture and science. Nar. khoz. Uz. 4 no. 11:69-72 N '62.
- UZBEKISTAN—GAS, NATURAL—PIPELINES**
Keeping course to the Urals. V. Zimenko, IU, Kruzhilin. Nar. khoz. Uz. 4 no. 11:10-22 N '62.
- People of the blue fire. V. Zimenko, IU, Kruzhilin. Part. zhizn' [Uzb.] 5 no. 11:84-88 N '62.
- UZBEKISTAN—HYDROELECTRIC POWER STATIONS**
Guiding role of the Communist Party of Uzbekistan in constructing hydroelectric power stations during the years of the Great Patriotic War. M. Matulizov, Obshchestv. nauki v Uz. 6 no. 11:45-51 '62.
- UZBEKISTAN—INDUSTRIES**
Socialist industry. Nar. khoz. Uz. 4 no. 11:13-15 N '62.
- UZBEKISTAN—INSECTIVORA**
Insectivorous mammals of southern Uzbekistan [with summary in English]. T. A. Pavlenko. Zool. zhur. 41 no. 11:1693-1698 N '62.
- UZBEKISTAN—IRRIGATION**
Some problems concerning the agricultural reclamation of the desert and semi-desert. V. Moshchenko. Komm. Uz. 34 no. 11:87-93 N '62.
- UZBEKISTAN—KERAMZIT**
Problems of the technology of manufacturing keramzit concrete slabs in the Uzbek S.S.R. A. N. Dobrodeev and others. Sbor. nauch. trud. NI po stroi. ASIA no. 2:36-44 '61.
- UZBEKISTAN—LIBRARIES**
Bibliographical work of the A. Navoi State Public Library for the aid of scholars of the Republic. A. I. Alashinskaya, S. I. Kefzer. Obshchestv. nauki v Uz. 6 no. 11: 76-78 '62.
- UZBEKISTAN—LOESS**
Changing the technological properties of loess by adding plastic clays. L. M. Botvina, F. Kh. Tadzhiev. Sbor. nauch. trud. NI po stroi. ASIA no. 2:69-75 '61.
- UZBEKISTAN—MOTION-PICTURE INDUSTRY**
For a high ideological and artistic standard of motion-picture production. S. Mukhamedov. Komm. Uz. 34 no. 11:38-43 N '62.
- UZBEKISTAN—NEWSPAPER AND PERIODICAL CIRCULATION**
Newspapers and periodicals must reach the masses! Part. zhizn' [Uzb.] 5 no. 11:24-25 N '62.
- UZBEKISTAN—ORIENTATION (ARCHITECTURE)**
Protection from the sun's rays and orientation of dwellings under the climatic conditions of Uzbekistan. A. V. Ershov. Sbor. nauch. trud. NI po stroi. ASIA no. 2:16-23 '61.
- UZBEKISTAN—PETROLEUM—TESTING**
Some results of analyzing Uzbek petroloums by the Raman spectrum method. E. G. Burova, G. Kh. Khodzhaev. Izv. AN SSSR, Ser. fiz. 27 no. 1:100-101 Ja '63.
- UZBEKISTAN—PETROLEUM GEOLOGY**
Conditions governing the formation of oil and gas pools in fields of the Mubarek group (western Uzbekistan). V. I. Larin, A. IU, Khatambekov. Izv. vyz. ucheb. zav. i nefi' i gaz 5 no. 4:9-13 '62.

UZBEKISTAN—PHOTOGRAPHERS

Encounter in Tashkent. V. Tarasovich. Sov. foto 22 no. 11:30-32 N '62.

UZBEKISTAN—PLANT INTRODUCTION

Polygonum coriariun Grig. and its cultivation in Uzbekistan. S. Kh. Chevrendi. Bot. zhur. 47 no. 11:1041-1047 N '62.

UZBEKISTAN—PLANTS, PROTECTION OF

Problems in Uzbekistan. I. R. Kostenko. Zashch. rast. ot vred. i bol. 5 no. 5:3-7 My '60.

UZBEKISTAN—PLANTS, PROTECTION OF—RESEARCH

Closer to life. I. V. Skvortsov. Zashch. rast. ot vred. i bol. 5 no. 6:13-14 Je '60.

UZBEKISTAN—POLYGONUM

Polygonum coriariun Grig. and its cultivation in Uzbekistan. S. Kh. Chevrendi. Bot. zhur. 47 no. 11:1041-1047 N '62.

UZBEKISTAN—PRECAST CONCRETE CONSTRUCTION

A housing construction combine. Nar. khoz. Uzb. 4 no. 11:76-77 N '62.

UZBEKISTAN—RED SPIDER—EXTERMINATION

Effectiveness of 30% and 60% concentrates of mercaptophos. D. N. Palnaskas. Zashch. rast. ot vred. i bol. 5 no. 6:31 Je '60.

Unsolved problem in cotton protection. V. M. Milinin. Zashch. rast. ot vred. i bol. 5 no. 5:12 My '60.

UZBEKISTAN—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Window into the world. Sem. Semenov. Nar. khoz. Uzb. 4 no. 11:71-72 N '62.

UZBEKISTAN—RELIGION

Atheistic propaganda is an integral part of communist education. T. T. Tagoev. Obshchestv. nauki v Uz. 6 no. 11:26-35 '62.

UZBEKISTAN—RESEARCH

Basic trends of scientific research in Uzbekistan. U. Arifov. Komm. Uz. 34 no. 11:20-37 N '62.
If the total results are used as a measuring stick. S. Shechenkov. Nar. khoz. Uzb. 4 no. 11:83-85 N '62.

UZBEKISTAN—RESEARCH, INDUSTRIAL

The flourishing of culture and science. Nar. khoz. Uzb. 4 no. 11:60-72 N '62.

UZBEKISTAN—REVOLUTION, 1917-1921

"History of the events of the Great October Socialist Revolution in Uzbekistan, February to November, 1917." Reviewed by I. Teliatnikov, B. Khordas. Komm. Uz. 34 no. 11:04-06 N '62.

UZBEKISTAN—RUSSIAN LITERATURE—STUDY AND TEACHING

On the history of studying Russian literature in Uzbekistan. S. I. Zaitsev. Obshchestv. nauki v Uz. 6 no. 11: 67-70 '62.

UZBEKISTAN—SALINE AND ALKALI SOILS

Increasing the durability of ceramic materials used on saline soils. R. F. Zhablina. Sbor. nauch. trud. NII po stroit. ASIA no. 2:91-97 '61.

UZBEKISTAN—SAND

Utilize local sands for concrete efficiently. G. Stupakov. L. Kulik. Nar. khoz. Uzb. 4 no. 11:43 N '62.

UZBEKISTAN—SAND-LIME PRODUCTS

Foamed silicates made of sand from the Tashkent District. S. R. Salidzhanov. Sbor. nauch. trud. NII po stroit. ASIA no. 1:82-86 '61.

UZBEKISTAN—SERICULTURE

Nuriddinov, I. N., and V. S. Gudoshnikov. [Sericulture in the Uzbek S. S. R.] Sherkovodstvo v Uzbekskoi SSR. Tashkent, Gosizdat UzSSR, 1953, 37 p. (DNAL)

UZBEKISTAN—SHEEP

Flocks and shepherds. A. Kronov. Mol. komm. no. 12: 73-82 D '62.

UZBEKISTAN—SOCIAL CONDITIONS

The republic of peoples' happiness and friendship. Nar. khoz. Uzb. 4 no. 11:73-79 N '62.

UZBEKISTAN—STATE FARMS

All state farms should yield profits. A. Khaidarov. Komm. Uz. 34 no. 10:24-30 O '62.

UZBEKISTAN—TECHNOLOGICAL INNOVATIONS

Search, find and introduce. A. Brellov. Sov. profsoiuzy 18 no. 24:7-8 D '62.

UZBEKISTAN—TELEPHONE

A new communication technique. A. Kudinov. Nar. khoz. Uzb. 4 no. 11:74-77 N '62.

UZBEKISTAN—TELEVISION

A new communication technique. A. Kudinov. Nar. khoz. Uzb. 4 no. 11:74-77 N '62.

UZBEKISTAN—TEXTILE MACHINERY

Some problems relating to our efforts to develop the manufacture of textile machines in Uzbekistan. A. Trusov. Komm. Uz. 34 no. 10:49-54 O '62.

UZBEKISTAN—THEATER

International roots of the Uzbek theater. M. Rakhmanov. Komm. Uz. 34 no. 10:02-08 O '62.

UZBEKISTAN—TOMATOES—VARIETIES

New tomato varieties and their introduction on collective farms in Uzbekistan. F. S. Plinakhov. Trudy po prikl. bot., gen. i sel. 31 no. 2:267-269 '57.

UZBEKISTAN—WOMEN AS TRACTOR OPERATORS

Uzbekistan women are the leaders of the machine harvesting of cotton. S. Khasanova. Obshchestv. nauki v Uz. 6 no. 11:21-27 '62.

VACATIONS, EMPLOYEE

In the Presidium of the All-Union Central Council of Trade Unions. Okhr. truda i soiz. strakh. 6 no. 1: 44-45 Ja '63.

VACCINATION

Degree of the reaction of the organism of animals vaccinated against pasteurellosis. M. K. Gamlev. S. R. Mirzazade. Trudy Azer. nauch.-issl. vet. inst. 13:64-70 '62.

VACUUM APPARATUS

Device for creating a vacuum when testing welded seams. I. Kasishchev. Prom. stroit. i inzh. soor. 4 no. 3:50-51 S-O '62.

"Glass and ceramics in vacuum technology" ["Le verre et la ceramique dans la technique du vide"] by P. Colnat, G. Gallet. Reviewed by A. E. Rabinovich. Stek. i ker. 19 no. 12:41 D '62.

VACUUM METALLURGY

Reduction of titanium tetrachloride by magnesium condensates at low temperatures (250-400° C) in vacuum. Titan i ego splavy no. 8:160-166 '62.

Refining of titanium. V. I. Batashev, V. A. Reznichenko. Titan i ego splavy no. 8:167-174 '62.

What is the use of "nothing"? L. Davydov. Znan.-slia 37 no. 10:36-37 O '62.

VAGUS NERVE

Role of the vagus and sympathetic nerves on the trophic effect of the cerebral cortex on the calcium content in the blood [with summary in English]. G. K. Delmek. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:91-95 '61.

VAINBERG, M.

New symphony. L. Genina. Sov. muz. 28 no. 12:90-91 D '62.

VAKHSH VALLEY—GEOLOGY, STRUCTURAL

Some characteristics of recent tectonics of the mountainous part of the Vakhsh Valley. V. M. Reiman, E. V. Zayenko, A. M. Babayev. Trudy Inst. geol. AN Tadzh. SSR 5:97-105 '62.

VAKHTAN REGION—LUMBERING

Vakhtan Logging Camp as a diversified enterprise. B. P. Solov'ov. Les. prom. 40 no. 10:17-18 O '62.

VAKHTAN REGION—LUMBERING—COSTS

Ways for increasing profits. A. L. Slashev. Les. prom. 40 no. 10:16-17 O '62.

VALENCE (THEORETICAL CHEMISTRY)

Determination of bi- and trivalent titanium in titanium slags. V. A. Zinchenko, N. A. Ershova, N. M. Gertsyeva. Titan i ego splavy no. 8:242-246 '62.

VALERIAN

Change in the biological activity of valerian as a result of cutting the flower stems. V. Petkov, T. Shipochiliev, T. Litova. Apt. delo 12 no. 3:81-82 My-Je '62.

VALLEYS see subdivision under Transbaikalia

VALVES

Dynamics of automatic valves of a piston compressor. P. A. Shelest. Izv. vys. ucheb. zav. mashinostr. no. 7: 94-111 '62.

Investigating hydraulic characteristics of the valves of a shock absorber. V. A. Ilarionov, V. T. Panfilov, A. D. Derbaremdiker. Avi. prom. 29 no. 1:10-22 Ja '63.

New method for manufacturing vents for steam valves. N. A. Iurtaev. Mashinostroitel' no. 12:33 D '62.

Simple method for valve adjustment. A. Babenko. Tekh. v sel'khoz. 22 no. 11:84 N '62.

VANADIUM

Study of the phonon spectrum of vanadium [with summary in English]. N. A. Chernoplekov, M. G. Zemlianov, A. G. Chicherin. Zhur. eksp. i teor. fiz. 43 no. 6:2080-2085 D '62.

VANADIUM—ANALYSIS

Vanadium determination in titanium tetrachloride and metallic titanium. V. A. Zinchenko, O. D. Baranova. Titan i ego splavy no. 8:251-259 '62.

VANADIUM—ELECTRIC PROPERTIES

Electrochemical behavior of tetra- and pentavalent vanadium on a platinum microelectrode [with summary in English]. Zhur. anal. khim. 17 no. 8:704-710 S '62.

VANADIUM CARBIDE—ANALYSIS

Vanadium and niobium carbides in steel. A. M. Belikov, A. A. Savinskain. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:67-72 N-D '62.

VANADIUM OXIDE—ELECTRIC PROPERTIES

Thermoelectromotive forces and conductance of vanadium and niobium pentoxides [with summary in English]. A. I. Menakov, O. A. Esin, B. M. Lepinskikh. Zhur. fiz. khim. 36 no. 12:2734-2740 D '62.

VAPOR PLATING

Not only precious metals shine. V. Harbarenko. Nauka i zhytla 12 no. 7:44-46 JI '62.

VAPOR PRESSURE

Effect of the gaseous phase in the firing of magnesite (mixtures with acid additions). I. A. Ivanov. Ogneupory 27 no. 12:545-552 '62.

Mechanism of evaporation and the pressure of sulfur vapors on iron-carbon-sulfur melts. V. T. Burisev, R. A. Karasov, A. M. Samarin. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:32-36 N-D '62.

Method for the investigation of vapor-liquid equilibrium of high boiling mixtures at other than atmospheric pressures [with summary in English]. IU. V. Tsvetkov, V. M. Edel'shtein, I. K. Tagirov. Zhur. fiz. khim. 36 no. 12:2806-2808 D '62.

Vapor pressure of hydrogen chloride over the system KF.HF with additions of fluoride salts. IU. I. Usova, A. F. Alabyshv. Zhur. fiz. khim. 36 no. 12:2772-2774 D '62.

VARDA, AGNES

An interview with Agnes Varda, director of the motion picture "Cleo from 5 to 7." Rachel Lefort. Zhen. mira no. 11:30-33 '62.

VARIATION (BIOLOGY)

Ribonucleic acid as the transforming factor in bacteria. Sheng Sang-ch'ung and others. Agrobiologiya no. 6: 816 N-D '62.

Transformation of clover nodule bacteria [translated from the English]. G. Ljunggren. Agrobiologiya no. 6:814-816 N-D '62.

Transformation of micro-organisms. Agrobiologiya no. 6:803 N-D '62.

Transformation of micro-organisms under the effect of protein fractions without the participation of deoxyribonucleic acid. V. N. Polshkova, P. P. Sakharov. Agrobiologiya no. 6:804-813 N-D '62.

VARLAMOV, ALEKSANDR EGOROVICH, 1891-1848

Letters written by A. E. Varlamov to P. A. Barteneva. N. Listova. Sov. muz. 26 no. 12:64-68 D '62.

VARNISH AND VARNISHING

Unit for preparing water-emulsion varnish. V. G. Kovalenko. Mashinostroitel' no. 12:22 D '62.

VASIL'KOVKA DISTRICT—CORN (MAIZE)

Our practice in accounting for corn slugs. P. Kh. Us. Uchet i fin. v kol'khoz. i sovkhoz. 10 no. 5:17-18 My '62.

VASOEVICH, NIKOLAI BRONISLAVOVICH, 1892-

Nikolai Bronislavovich Vasoievich on his 60th birthday. Izv. vys. ucheb. zav.; geol. i razv. 5 no. 10:145-149 O '62.

VATICAN COUNCIL, 1962

Departure of the observers from Moscow Patriarchate to the Second Vatican Council of the Catholic Church. Zhur. Mosk. Patr. no. 11:13 N '62.

Telegram from the Chairman of the Secretariat for the Promotion of Christian Unity Cardinal Bea to Archbishop Nikodim. Zhur. Mosk. Patr. no. 11:13 N '62.

VAUDEVILLE

Dmitriyev, IU. A. [Art of Soviet vaudeville] Iskustvo sovetskoi estrady. [Moskva] Molodai gvardiya, 1962, 125 p.

VAVILOV, SERGEI IVANOVICH, 1891-1951

"Sergei Vavilov" by V. Keler. Reviewed by E. B. Fainboim. Priroda 52 no. 1:121-122 '63.

VECTORCARDIOGRAPHY

Importance of vectorcardiography in the diagnosis of acquired heart defects [with summary in English]. V. S. Iurasov. Vop. kard. 2-go MGMI no. 2:305-329 '62.

Vectorcardiographic changes in patients with arteriosclerotic cardiosclerosis [with summary in English]. V. I. A. Preigor. Vop. kard. 2-go MGMI no. 2:331-344 '62.

Vectorcardiogram of healthy people and its characteristics in athletes [with summary in English]. V. V. Bulychev, V. S. Iurasov, V. I. A. Preigor. Vop. kard. 2-go MGMI no. 2:280-304 '62.

VEGA CARPIO, LOPE FELIX DE, 1562-1635

Lope de Vega. V. I. Asnyl. V mire knig 2 no. 11:35 N '62.

- VEGETABLE GARDENING**
(see also subdivision under Alma-Ata region; Altai Territory; Donetsk Basin; Estonia; Moscow Province; Moscow region)
- Making use of natural conditions in the continuous production of vegetables and fruit. F. F. Davitova, Zemledelie 24 no. 11:16-18 N '62.
- Using biogenic stimulants in vegetable gardening. K. I. Tsyrovich. Trudy po prikl. bot., gen. i sel. 31 no. 2:253-258 '57.
- Using film covers for growing seedlings of early vegetables. M. L. Gafilya. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:143-149 '62.
- Vegetable gardening. L. M. Kovaleva. Doshk. vosp. 35 no. 9:78-81 S '62.
- VEGETABLE HYBRIDIZATION** see Hybridization, Vegetable
- VEGETABLE TRADE** see subdivision under Kuybyshev
- VEGETABLES**
Antonov, M. V., A. F. Dzharov, and E. N. Volkov. [Commercial guide to food products; vegetables and fruit] Tovarovedenie proizvodstvennykh tovarov; ovoshehi i plody. Pod red. A. N. Rukosueva. Moskva, Gostorgizdat, 1962. 400 p.
- VEGETABLES—DISEASES AND PESTS**
Profitableness in the protection of vegetable crops. M. A. Glebov, P. P. Romanov, V. G. Steplina. Zashch. rast. ot vred. i bol. 5 no. 7:10-11 JI '60.
- VEGETABLES—STORAGE**
Storability and quality of vegetables grown in flood plains. N. A. Pallov, V. S. D'achenko, Biokhim. pl. i ovoshehi. no. 7:210-223 '62.
- VEGETABLES—STORAGE—BIBLIOGRAPHY** see Bibliography—Vegetables—Storage
- VEGETABLES, CANNED**
Canned vegetables and fruit. A. S. Shevchuk, F. V. Goltzman, Khor. prom. no. 4:34-37 O-D '62.
- VEGETATION AND CLIMATE** see subdivision under Yenisey Ridge
- VEINGREIKH, ALEKSANDR SOLOMONOVICH, 1888-1962**
Aleksandr Solomonovich Veingreikh; obituary. Svetotekhnika 9 no. 1:27 Ja '63.
- VELIKAYA SALMA STRAIT—GAMMARIDAE**
Biology of the reproduction of the species of the genus Gammarus in the Velikaya Salma Strait. R. I. Margulis. Trudy Belomor. biol. sta. MGU 1:231-247 '62.
- VELIKAYA SALMA STRAIT—ZOOPLANKTON**
Composition and dynamics of the biomass of zooplankton in the Velikaya Salma Strait of the White Sea. N. M. Perisova. Trudy Belomor. biol. sta. MGU 1:35-50 '62.
- VELIKIYE LUKI—RETAIL TRADE**
Party organizations in establishments of public services. A. Svinarenko, I. Shvets. Part. zhizn' no. 2:38-43 Ja '63.
- VELIKIYE LUKI PROVINCE—ANTIQUITIES**
Society of local geography dedicated to Academician V. A. Obruchev in a secondary school. A. E. Dmitriev. Sov. pedagog. 26 no. 8:84-87 Ag '62.
- VENDING MACHINES**
Candy vending machine. I. Somov. Sov. torg. 36 no. 12:55-56 D '62.
More on the accounting for vending machine work. V. Smirnov. Sov. torg. 36 no. 11:55-56 N '62.
- VENDORS AND PURCHASERS**
Time of the transition of property rights in the alienation of buildings. P. Nikituk. Sots. zakon. 40 no. 1:59-61 Ja '63.
- VENEERS AND VENEERING**
(see also subdivision under Darnitsa)
Drying of uncut veneer sheets (from "Trävarunindustrien," No. 8, 1962). Der. prom. 11 no. 12:31 D '62.
- Methods for experimental determination of the elastic constants of anisotropic materials. E. K. Ashkenazi, A. A. Pozdnyakov. Nauch. trudy LTA no. 94:85-95 '62.
- Seminar of laboratory chiefs of plywood factories. Der. prom. 11 no. 12:27-28 D '62.
- VENEZUELA—STUDENTS**
Heroic students from Venezuela. Vsem. stud. nov. 16 no. 5/6:17 My-Je '62.
- VENUS (PLANET)**
Daytime spectrophotometric observations of Venus [with summary in English]. I. D. Kupo. Izv. Astrofiz. inst. AN Kazakh. SSR 15:111-116 '62.
- Determination of the period and direction of the rotation of Venus from radio astronomical observations [with summary in English]. A. D. Kuz'min, A. E. Salomovich. Astron. zhur. 40 no. 1:154-157 Ja-F '63.
- First moorings on star ways. V. I. Ezers'kiy. Znan. ta pratsia no. 12:1-2 D '62.
- Night luminescence of lower atmosphere layers of Venus. N. A. Kozyrev. Astron. tsir. no. 225:4-6 S '61.
- Observations of lunar occultations of Venus in Abastumani October 7, 1961. V. P. Dzhapishvili, E. K. Khadrado. Astron. tsir. no. 227:23-24 F '62.
- Some results of observations of Venus in the eastern elongation in 1961. V. V. Sharonov. Astron. tsir. no. 225:6-7 S '61.
- Venus. Nauka i zhytla 12 no. 11:53 N '62.
- VENUS (PLANET)—SPECTRA**
Infrared spectrum of Venus (1-2, 5μ) [with summary in English]. V. I. Moroz. Astron. zhur. 40 no. 1:144-153 Ja-F '63.
- VERKHNE-CHIRCHIKSKIY DISTRICT—AGRICULTURE—LABOR PRODUCTIVITY**
The most important thing is the tie with life. V. Kudriakov. Part. zhizn' [Uzb.] 5 no. 11:37-40 N '62.
- VERKHOVKA—PARKS**
Obodovka and Verkhovka Parks in Vinnitsa Province. I. V. Tkachuk. Vsiykh Bot. sada AN URSR no. 4:86-71 '62.
- VERKHNOYANSK RANGE REGION—DIAMONDS**
First finds of diamonds in the Lower Jurassic basal conglomerates of the western slope of the Verkhoyansk foredeep. B. I. Prokopyuk, L. M. Izraeliev. Dokl. AN SSSR 147 no. 4:905-907 D '62.
- VERMICULITE**
Heat insulating material. V. Fedorenko. Pozh. delo 9 no. 1:12 Ja '63.
- Vermiculite for buildings in the seven-year plan. V. Retling. Zhil. stroit. no. 1:25 '62.
- VERMIFUGES** see Anthelmintics
- VERNALIZATION**
Vernalization of cabbage seeds. T. V. Lizgunova, A. P. Fedulova. Trudy po prikl. bot., gen. i sel. 31 no. 2:88-103 '57.
- Vernalization of carrot seeds and plants. V. I. Razumov. Trudy po prikl. bot., gen. i sel. 31 no. 2:111-116 '57.
- VERTEBRATES**
Adaptation of vertebrates to locomotion on land. S. F. Manzli. Pratsi inst. zool. AN URSR 18:12-19 '62.
- VERTEBRATES, FOSSIL** see subdivision under Orenburg Province
- VES'EYONSK DISTRICT—SOCIAL CONDITIONS**
Todoraki, A. L., and N. A. Arbatov. [The great in the small] Bol'shoe v malom. Moskva, Gospolitizdat, 1961. 113 p. (Stranitsy nashel zhizni)
- VESENNYI—BOOKSELLERS AND BOOKSELLING**
Store of communist work. B. Brashin. Sov. knizh. torg. 14 no. 10:35 '62.
- VESHKAYMA DISTRICT—BOOKSELLERS AND BOOKSELLING**
Overcoming difficulties. M. Makhin. Sov. knizh. torg. 14 no. 1:14 Ja '63.
- VETCH**
Effect of simultaneous application of nitrogen and trace elements on the growth and yield of vetch. V. K. Gol'vikh. Sbor. stud. nauch.-issl. rab. TSKHA no. 11:87-92 '62.
- Slow germinating seeds of hairy vetch. L. A. Pel'tatkh. Agrobiologiya no. 6:932-934 N-D '62.
- VETERANS—CONGRESSES**
Congress of veterans. S. K. Timoshenko. Nov. vrem. 20 no. 3:9 Ja '63.
- VETERINARY ANATOMY**
Changes in the structure of a cattle carcass with age [with summaries in English, German, and French]. D. L. Levantina. Vest. sel'khoz. nauk 7 no. 10:40-56 O '62.
- VETERINARY EMBRYOLOGY**
Effect of the nature of feeding on the development of the skeleton in swine during the embryonic period. K. P. Mel'nyk. Nauk. pratsi asp. UASHN no. 5:190-196 '60.
- VETERINARY MEDICINE**
Dilantin as a means for casting one-hoofed animals [in Armenian with summary in Russian]. B. L. Mkrtchian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 9/10:163-169 '62.
- Radiography of the bones of young animals affected with rachitis [with summaries in English, German, and French]. M. I. Abramov. Vest. sel'khoz. nauk 7 no. 10:88 O '62.
- VETERINARY MEDICINE—STUDY AND TEACHING**
Organizing excursions in the Samarkand School of Zoology and Veterinary Medicine. N. G. Kushaev. Sred. spets. obr. 10 no. 1:43-47 Ja '63.
- VETERINARY PARASITOLOGY** see subdivision under Kazakhstan
- VETERINARY PHYSIOLOGY**
Holovats'kiy, I. D. [Carbohydrate metabolism in farm animals] Obmin vuhlevodiv u sil's'kohospodars'kykh tvaryn. Kyiv, Vyd-vo Ukrain's'koj akad. sil's'kohospodars'kykh nauk, 1961. 200 p. (DNAL)
- VETERINARY RESEARCH** see subdivision under Azerbaijan
- VETERINARY SURGERY**
Obtaining pure pancreatic juice from young pigs. H. D. Sviatovets'. Nauk. pratsi asp. UASHN no. 5:165-169 '60.
- VIBRATION**
Free vibrations of some frame-cantilever systems. A. G. Barchenkov and others. Stroit. mekh. i rasch. soor. 4 no. 6:44-49 '62.
- Vibrations of a nonsymmetrical body suspended on brace wires [with summary in English]. S. A. Zegzhda. Vest. LGU 18 no. 1:145-148 '63.
- VIBRATION—MEASUREMENT**
New principles for designing transducers for measuring displacements and accelerations. Nauch. soob. IGID 14:77-87 '62.
- VIBRATORS**
Selecting optimum parameters for the vibrator of a loop oscillograph [with summary in English]. A. H. Lyovich, V. S. Sabaneev. Vest. LGU 18 no. 1:106-114 '63.
- Types of sub-surface vibration compaction machines for incohesive soil for 1960-1965. Stroit. i dor. mash. 7 no. 1:32 N '62.
- VIDEO TAPE RECORDERS AND RECORDING**
Arrangement of the synchronization system for video tape recorders (with summary in English on p. 86). V. L. Khavkin. Tekh. kino i telev. 7 no. 1:24-36 Ja '63.
- VIDZEME—GUIDEBOOKS**
Vetra, K. [Vidzeme upland] Vidzemes augstiene. Riga, Latvijas Valsts izdevnieciba, 1957. 130 p. [In Latvian]
- VIETNAM—EDUCATION**
An unquenchable thirst... Georg Sommer. Vsem. stud. nov. 16 no. 1:4-5 Ja '62.
- VIETNAM—POLITICS AND GOVERNMENT**
Karmen, R. L. [In countries of three continents] Postranam trekh kontinentov. [Moskva] Molodai gvardia, 1962. 142 p.
- VIETNAM—RURAL CONDITIONS**
"The Vietnamese rural community" [in Vietnamese] by Nguyen Hong Fong. Reviewed by A. Mukhinov. Sov. etn. no. 6:176-179 N-D '62.
- VIETNAM, NORTH—AGRICULTURE**
Farming in the Democratic Republic of Vietnam. A. A. Santeov. Zemledelie 24 no. 12:74-78 D '62.
- VIETNAM, NORTH—CULTURE**
They bring science to the masses. Dang Min' Chi. Nauka i zhytla 12 no. 9:54 S '62.
- VIETNAM, NORTH—INTELLECTUAL LIFE**
The new invades life. I. Shchedrov. Az. i Afr. seg. no. 1:34-35 Ja '63.
- VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN**
The Pentagon's Asian proving ground. Z. Mirskil. Nov. vrem. 20 no. 7:14-16 F '63.
- VIETNAM, SOUTH—POLITICS AND GOVERNMENT**
Shchedrov, I. M. [South Vietnam today; Ngo Dinh Diem's regime and the national liberation movement, 1954-1962] Iuzhnyi V'etnam segodnia; rozhin Ngo-Din'-Z'ema i natsional'no-osvoboditel'noe dvizhenie, 1954-1962. Moskva, Izd-vo vostochnoi lit-ry, 1962. 253 p.
- "Undeclared war in South Vietnam" [in French] by Le Van Chat. Reviewed by S. Efimov. Mezhdunar. zhizn' 10 no. 2:139-137 F '63.
- VILLAGES**
Conference on rural work by a permanent committee attached to the Central Committee of the CPSU in 1924-1925. E. I. Rakova. Dokl. TSKHA no. 50:55-61 '60.
- VILNIUS—MACHINE-TOOL INDUSTRY**
The weekly radio broadcasts of a workers' collective. V. Pavlov. Part. zhizn' no. 2:77 Ja '63.
- VILNIUS—MEAT INDUSTRY—COSTS**
It is advisable to base the accounting for beef cattle on the weight and quality of the meat. L. Vilka. Mias. ind. SSSR 33 no. 6:34-35 '62.

VILNIUS—POLITICS AND GOVERNMENT

Facing the workers. P. Bikella. Sov. deput. trud. no. 9: 21-28 S '62.

VILYUY RIVER—FISHES

Ichthyofauna of the Vilyuy basin. F. N. Kirillov. Trudy Inst. biol. IAFAN SSSR no. 8:5-71 '62.

VILYUY VALLEY—FISHES—FOOD

Food of the whitefish *Coregonus peled* and some other fishes in lakes of the Vilyuy basin. D. L. Vengilinskii. Trudy Inst. biol. IAFAN SSSR no. 8:101-135 '62.

VILYUY VALLEY—FRESHWATER FAUNA

Bottom fauna in the Vilyuy River, its affluents and flood-plain lakes. N. V. Verashnin. Trudy Inst. biol. IAFAN SSSR no. 8:72-100 '62.

VILYUY VALLEY—VOLCANOES

Cycles of volcanism in the Vilyuy Basin. K. M. Sirotnin. Uch. zap. SGU 86:165-168 '60.

VILYUY VALLEY—WHITEFISHES

Food of the whitefish *Coregonus peled* and some other fishes in lakes of the Vilyuy basin. D. L. Vengilinskii. Trudy Inst. biol. IAFAN SSSR no. 8:101-135 '62.

VINNITSA—OILS AND FATS

From the work experience of Vinnitsa Oil and Fat Combine. B. F. Ermakov, A. P. Rabota, E. O. Verner. Masl., zhir., prom. 28 no. 12:27-28 D '62.

VINNITSA PROVINCE—AGRICULTURAL ADMINISTRATION

At an important front. R. Perevozchikov. Sov. prof. soiuzy 18 no. 24:16-17 D '62.

VINNITSA PROVINCE—HORNBEAM

Silvicultural importance of hornbeam as a companion of oak in the right bank area of the forest steppe. V. S. Nakonechnyi. Nauk. pratsi asp. UASHN no. 5:128-133 '60.

VINNITSA PROVINCE—INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

Application of Trichogramma in Vinnitsa Province. I. G. Il'in. Zashch. rast. ot vred. i bol. 5 no. 7:25-26 JI '60.

VINNITSA PROVINCE—OAK

Silvicultural importance of hornbeam as a companion of oak in the right bank area of the forest steppe. V. S. Nakonechnyi. Nauk. pratsi asp. UASHN no. 5:128-133 '60.

VINNITSA PROVINCE—TRADE UNIONS—OFFICERS

At an important front. R. Perevozchikov. Sov. prof. soiuzy 18 no. 24:16-17 D '62.

VINNITSA PROVINCE—TRICHOGRAMMA

Application of Trichogramma in Vinnitsa Province. I. G. Il'in. Zashch. rast. ot vred. i bol. 5 no. 7:25-26 JI '60.

VINYL ACETATE

Chemistry of cyclopentenone. Report No. 4: Condensation of 3,5-dimethyl- Δ^2 - and Δ^4 -cyclopentenones with vinyl acetate. A. N. Elizarova, T. E. Pozdniakova, A. A. Akhrem. Izv. AN SSSR. Otd. khim. nauk no. 12:167-2175 D '62.

VINYL ACETATE POLYMERS

Grafting of polyacrylonitrile and polyvinyl acetate to polypropylene fibers. U. Zhun-zhui [Wu Jung-jui]. Z. A. Rogovin, A. A. Konkin. Khim. volok. no. 6:11-14 '62.

VINYL ALCOHOL

Synthesis of vinyl esters of terephthalic acid. T. N. Veretenova, F. N. Stepanov. Zhur. ob. khim. 33 no. 1: 91-94 '63.

VINYL ALCOHOL POLYMERS

Process of acetylation of fiber from polyvinyl alcohol. K. E. Perepelkin, L. E. Utevska. Khim. volok. no. 6: 71-8 '62.

VINYL COMPOUND POLYMERS

Certain trends in the development of the production of polyvinyl chloride abroad. V. M. Ioffe. Plast. massy no. 11:70-71 '62.

Chemical analysis of polyvinyl chloride plasticates subjected to light aging. G. O. Tatevos'ian, I. P. Losev, I. B. Kuznetsova. Plast. massy no. 11:59-62 '62.

Economic aspects of the production of vinyl chloride and polyvinyl chloride. IU. T. Lysakits, N. P. Fedorenko. Plast. massy no. 11:49-52 '62.

Extending the life of finishing and ornamental polyvinyl chloride films. IA. A. Gal'fman, I. V. Shishkina, N. N. Ivanova. Plast. massy no. 12:69-70 '62.

Flow of a cable plasticate based on polyvinyl chloride. S. I. Klaz, E. E. Glukhov. Plast. massy no. 11:26-30 '62.

VIOLAXANTHIN

Use of violaxanthin-C14 as a characteristic of the light reaction of xanthophyll transformation. D. I. Sapozhnikov, V. S. Saakov. Dokl. AN SSSR 147 no. 6:1487-1488 D '62.

VIRGIN TERRITORY—AGRICULTURAL ADMINISTRATION

Facing new tasks. V. Merzliakov. Part. zhizn' no. 4: 27-30 F '63.

VIRGIN TERRITORY—AGRICULTURE—LABOR PRODUCTIVITY

On the right path. A. Timofeev. Komsom. zhizn' no. 14: 20-23 JI '62.

VIRGIN TERRITORY—ALFALFA

Pollination of alfalfa in the Virgin Territory. A. I. Ivanov. Vest. sel'khoz. nauki [Kazakh.] 5 no. 11: 36-43 O '62.

VIRGIN TERRITORY—CLIMATE

Most important characteristics of the Virgin Territory climate. K. F. Zhirkov. Vest. Mosk. un. Ser. 5:Geog. 17 no. 4:15-21 JI-Ag '62.

VIRGIN TERRITORY—GRAIN

High-quality products are an important condition for profitable production on state farms. E. B. Khlebutin. Dokl. TSKHA no. 75:67-77 '62.

VIRGIN TERRITORY—PEAS

Growing peas in the Virgin Territory [with summaries in English, German, and French]. I. I. Udancov. Vest. sel'khoz. nauki 7 no. 11:11-17 N '62.

VIRGIN TERRITORY—RETAIL TRADE

People behind the counter. A. Glushanovskii. Sov. deput. trud. no. 8:68-71 S '62.

VIRGIN TERRITORY—RURAL CONDITIONS

Rural service. Sergei Nikitin. Sov. profsoiuzy 18 no. 24:26-28 D '62.

VIRGIN TERRITORY—SERVICE INDUSTRIES

Rural service. Sergei Nikitin. Sov. profsoiuzy 18 no. 24:26-28 D '62.

VIRGIN TERRITORY—SOIL CONSERVATION

Antierosion machines in the Virgin Territory. N. Kadushin. Ekon. sel'khoz. 34 no. 1:72-73 Ja '63.

VIRGIN TERRITORY—STATE FARMS—OFFICIALS AND EMPLOYEES

Regularize administrative personnel. IA. Ginzburg, I. Potovenko. Ekon. sel'khoz. 33 no. 12:81-88 D '62.

VIRUS DISEASES

Grippe or catarrh? L. IA. Zakstelskaya. Zdorovie 8 no. 12:10-12 D '62.
Virus diseases of the cutworms *Agrotis segetum* Schiff. and *Hadena sordida* Bkh. (Lepidoptera, Noctuidae) in simultaneous infection with granulosis and polyhedrosis [with summary in English]. O. I. Shvetsova. T'Sei Siu-lui [T'Sei Hsi-yü]. Ent. oboz. 41 no. 4:781-787 '62.

VIRUS DISEASES OF PLANTS

(see also subdivision under Kazakhstan)
Antibiotics in controlling virus diseases of plants. A. K. Zashch. rast. ot vred. i bol. 5 no. 11:41-42 N '60.
Yellow wilt of sugar beets. K. S. Sukhov, Q. M. Razvinz-kina. Zashch. rast. ot vred. i bol. 2 no. 6:55 N-D '67.

VIRUS RESEARCH

Weapons leveled at a virus. S. Lashko. Znan. ta pratsia no. 11:8-9 N '62.

VIRUSES

Aaver, E. [Viruses] Virused, Tallinn, Eesti Riiklik Kirjastus, 1961. 112 p. [In Estonian]

Virus and a cell. V. Zhdanov. Nauka i zhytita 12 no. 11: 28-29 N '62.

VISCERA

Variability of internal organs in the common European mole (*Talpa europaea*) [with summary in English]. K. IA. Fateev. Zool. zhur. 41 no. 11:1700-1705 N '62.

VISCOSE

Formation of fiber from modified and nonmodified viscose in precipitation baths containing zinc sulfate. 16th report on the formation mechanism of viscose monofilaments. H. Klare and others. Khim. volok. no. 6:14-21 '62.

VISCOSIMETER

Application of the EVI-57 viscosimeter for high temperature measurements. A. G. Shalimov, V. G. Kuklev. Zav. lab. 28 no. 12:1526-1527 '62.

Capillary viscosimeter for measuring the viscosity of volatile liquids. A. I. Artemchenko. Zav. lab. 28 no. 12:1524 '62.

VISCOSIMETRY

Viscosity and the electrical conductivity of liquid nickel-carbon alloys. A. A. Vertman, A. M. Samarin, E. S. Filippov. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:37-42 N-D '62.

VISCOSITY

Effect of the dielectric constant of the solvent on the viscosity of electrolyte solutions [with summary in English]. E. IA. Gorenbeim. Ukr. fiz. zhur. 7 no. 8: 887-882 Ag '62.

Effect of the solid disperse phase content on the intrinsic viscosity of concentrated suspensions in a structured medium [with summary in English]. S. Kh. Zakdeva and others. Koll. zhur. 24 no. 6:878-881 N-D '62.

Intrinsic viscosity of pectin [with summary in English]. I. G. Shechuplova and others. Vysokom. speed. 5 no. 1: 135-138 Ja '63.

Materials with ultralow heat conductivity, and calculation of the heat conduction and viscosity of gases in fine-pore materials and in a rarefied state. R. S. Prasolov. Teplo- i massoper. 1:213-217 '62.

Relation of compressibility and shear viscosity to the structure of matter in the liquid state [with summary in English]. A. Z. Golik. Ukr. fiz. zhur. 7 no. 8:806-812 Ag '62.

Some results of a study of the viscosity of organic liquids [with summary in English]. Kh. M. Khalilov. Ukr. fiz. zhur. 7 no. 8:882-887 Ag '62.

Viscosity of mixtures of aqueous solutions of electrolytes [with summary in English]. V. S. Galinko, V. A. Tiagui, G. N. Fenerli. Zhur. fiz. khim. 36 no. 12: 2038-2043 D '62.

VISHNEVSKII, VSEVOLOD VITAL'EVICH, 1900-1951

Anastas'ev, A. N. [Vsevolod Vishnevskii; an account of his works] Vsevolod Vishnevskii; ocherk tvorchestva. Moskva, Sovetskii pisatel', 1962. 156 p. (CU) (MH)

VISHNEVYYE MOUNTAINS—RARE EARTH METALS

Concentric-zonal aggregates of rare earth minerals from the alkaline complex in the Vishnevyye Mountains. A. G. Zhabin, N. V. Sviashin. Trudy IMGRE no. 8:55-66 '62.

VISHNEVYYE MOUNTAINS—ROCKS, CARBONATE

Carbonate rocks from the alkaline complex of the Vishnevyye Mountains in the Urals. A. G. Zhabin, N. S. Samsonova. Trudy IMGRE no. 8:224-238 '62.

VISION

Development of a habit of estimating distances by sight during the educational process in schools [with a summary in English]. D. K. Gilev. Vop. psikh. 8 no. 4: 121-124 JI-Ag '62.

Effect of additional flashing on the specific frequency reactions of the visual system. E. N. Sokolov, V. P. Dulenko. Dokl. APN no. 1:99-104 '62.

Eyesight of marksmen. N. Medvedeva. Voen. znan. 39 no. 1:31 Ja '63.

VITAL FORCE

Energy principle in studying the trophic relations and productivity of ecological systems [with summary in English]. G. G. Vinberg. Zool. zhur. 41 no. 11:1618-1630 N '62.

VITAMIN THERAPY

Effect of ascorbic acid and carotene on bilirubinemia in cattle theileriosis. M. A. Alizade. Trudy Azer. nauch. issl. vot. inst. 13:229-233 '62.

Effect of vitamin therapy on carbohydrate metabolism in cattle theileriosis. M. A. Alizade. Trudy Azer. nauch. issl. vot. inst. 13:225-228 '62.

Effectiveness of vitaminization in the period of vaccination with live vaccine against poliomyelitis. M. Indulena, I. Kanele. Izv. AN Latv. SSR no. 6:109-111 '62.

VITAMINS

Vitamins in a woman's daily life. H. A. Ketz. Zhen. mira no. 4:21-22 '62.

VITAMINS—A

New data on vitamin A assimilation [with summary in English]. N. T. Temelina. Vest. sel'khoz. nauki 7 no. 10:60-61 O '62.

VITAMINS—B₁ see Thiamine

VITAMINS—B₂ see Riboflavin

VITAMINS—C see Ascorbic acid

VITAMINS—G see Riboflavin

VITEBSK—WOMEN—SOCIETIES AND CLUBS

Red kerchiefs. Aleksandra Eliseeva. Rab. i stol. 38 no. 12:18 D '62.

VITEBSK DISTRICT—EDUCATION, ELEMENTARY

How we are struggling for universal elementary education. V. Hrushchanka. Nar. osv. no. 11:23-25 N '62.

VITEBSK PROVINCE—BOOKSELLERS AND BOOK-SELLING

Store or department? E. Apetov. Sov. knizh. torg. 14 no. 10:16-18 '62.

- VITEBSK PROVINCE—RED CLOVER—DISEASES AND PESTS**
Mineral-oil emulsions of DDT as a means for controlling the red clover weevil *Aplon apricans* Hbst. S. F. Morozov. *Zashch. rast. ot vred. i bol.* 5 no. 3:34-35 My '60.
- VITEBSK PROVINCE—WEEVILS—EXTERMINATION**
Mineral-oil emulsions of DDT as a means for controlling the red clover weevil *Aplon apricans* Hbst. S. F. Morozov. *Zashch. rast. ot vred. i bol.* 5 no. 3:34-35 My '60.
- VITICULTURE**
(see also subdivision under Eger, Hungary; Orgeyev District; Transcarpathia)
Bagdasaryan, Z. G. [Significance and use of trace elements in viticulture] *Znachenie i ispol'zovanie mikroelementov v vinogradarstve*. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1956, 109 p. [In Georgian] (DNAL)
Expand the mechanization of work in vineyards. V. Glushenko. *Tekhn. v sel'khe* 22 no. 11:19-21 N '62.
Snitko, N. F., S. F. Serpukhovitsa, and E. M. Storozhenko. [Orchards and vineyards on the farmers' personal plots] *Prilozheniya k izdaniyu "Sad i vinogradnik"*. 2, Izd., ispr. i dop. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1960, 159 p. (DNAL)
- VLADIMIR—PARKS**
How they made a park in the suburbs. M. Peshkovskii. *Kul't. pros. rab.* 23 no. 7:49 JI '62.
- VLADIMIR PROVINCE—CORN (MAIZE)**
Using new herbicides in the corn fields of Ryazan and Vladimir Provinces. O. D. Mikhlin, L. I. Kobazeva. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11:223-230 '62.
- VLADIMIR PROVINCE—FORAGE PLANTS—FERTILIZERS AND MANURES**
Effect of molybdenum on the yield of the green bulk of forage plants in Vladimir Province. E. A. Muravin. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11:231-234 '62.
- VLADIMIR PROVINCE—PASTURES AND MEADOWS—FERTILIZERS AND MANURES**
Effect of molybdenum on the yield of cultivated pastures on the "Aleksandrovskii" State Farm in Vladimir Province. N. N. Zhiteva. *Sbor. stud. nauch.-issl. rab. TSKHA* no. 11:241-244 '62.
- VLADIMIR PROVINCE—WEIGHING MACHINES**
Give attention to weighing machines. N. I. Chudakov. *Uchet i fin. v kolhoz. i sovkh.* 19 no. 5:35-36 My '62.
- VLADIVOSTOK—FAÇADES**
Finishing exterior wall slabs. K. Adamchik, L. Pikman. *Zhif. stroit.* no. 2:17-18 '62.
- VLADIVOSTOK—PLANT QUARANTINE**
Quarantine station in Vladivostok Harbor. L. N. Vavilov. *Zashch. rast. ot vred. i bol.* 5 no. 7:45 JI '60.
- VLASOV, ALEKSANDR VASIL'EVICH, 1900-1962**
A. V. Vlasov. *Izv. ASIA* 4 no. 4:141 '62.
- VOCATIONAL EDUCATION**
(see also subdivision under Georgia)
Akademii pedagogicheskikh nauk RSFSR, Moscow. *Nauchno-issledovatel'skii institut vechernikh (smennykh) i zaocnykh srednikh shkol.* [Improving the vocational qualifications of students of evening (staggered) schools] *Povyshenie professional'noi kvalifikatsii uchashchikhsia vechernikh (smennykh) shkol.* Pod red. O. F. Fedorova. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962, 134 p. (Pedagogicheskie chteniia)
Future machine operators. G. Zelenko. *Mol. komm.* no. 12:32-38 D '62.
Medvedev, R. A. [Vocational education of students in industrial enterprises; some conclusions drawn from the work practices of experimental schools in the R. S. F. S. R.] *Professional'noe obuchenie shkol'nikov na promyshlennom predpriatii; nekotorye vyvody iz opyta raboty eksperimental'nykh shkol v RSFSR.* Moskva, Gos. uchebno-pedagog. izd-vo, 1960, 117 p. (NNC)
- VOCATIONAL GUIDANCE—BIBLIOGRAPHY** see Bibliography—Vocational guidance
- VOICE**
Dmitriev, L. B. [Voice culture of singers; materials from X-ray studies] *Golosobrazovanie u pevtsov; materialy rentgenologicheskikh issledovaniy.* Moskva, Muzgiz, 1962, 54 p.
- VOLCANIC ASH, TUFF, ETC.**
(see also subdivision under Kamchatka)
Mechanism of the formation of pyroclastic material. I. I. Gushchenko. *Trudy Lab. vulk.* no. 22:131-142 '62.
- VOLCANIC ASH, TUFF, ETC.—TESTING**
Thermal properties of Arctic tuff. M. I. Rogovoi. *Stroi. mat.* 8 no. 12:30-33 D '62.
- VOLCANOES**
(see also subdivision under Kamchatka; Vilyuy Valley)
Twelfth General Assembly of the International Association of Volcanology. V. I. Vlodavets. *Biul. Vulk. sta.* no. 33:71-79 '62.
- VOLGA-AKHTUBA FLOOD PLAIN—FOREST SOILS**
Soils of floodland oak forests in the Volga-Akhtuba Flood Plain. O. D. Rode. *Pochvovedenie* no. 8:59-63 Ag '62.
- VOLGA-AKHTUBA FLOOD PLAIN—OAK**
Soils of floodland oak forests in the Volga-Akhtuba Flood Plain. O. D. Rode. *Pochvovedenie* no. 8:59-63 Ag '62.
- VOLGA-BALTIC SEA WATERWAY—HYDRAULIC ENGINEERING**
Mechanizers on the Volga-Baltic Sea Waterway. M. A. Musin, I. P. Petrov. *Transp. stroit.* 12 no. 12:7-8 D '62.
- VOLGA DELTA—SALINE AND ALKALI SOILS**
Schematic zoning of the Volga Delta for soil improvement purposes [with summary in English]. V. V. Egorov, A. A. Popov, N. N. Kononov. *Pochvovedenie* no. 9:4-13 S '62.
- VOLGA-DON CANAL—CONCRETE—CORROSION**
Chemism of the water washing the concrete structures of the Lenin Volga-Don navigable canal. A. G. Il'in. *Gidr. stroit.* 33 no. 11:34-37 N '62.
- VOLGA HYDROELECTRIC POWER STATION (LENIN)**
Comparison of the electronic exciters of two large hydroelectric power stations. G. B. Chernikov. *Elek. sta.* 33 no. 10:45-49 O '62.
- VOLGA HYDROELECTRIC POWER STATION (22d Congress of the CPSU)**
Advanced experience of the builders of the Volga Hydroelectric Power Station (22d Congress of the CPSU). A. Aleksandrov. *Na stroit. Ros.* no. 12:2-5 D '61.
Comparison of the electronic exciters of two large hydroelectric power stations. G. B. Chernikov. *Elek. sta.* 33 no. 10:45-49 O '62.
- VOLGA HYDROELECTRIC POWER STATION (22d CONGRESS OF THE CPSU)—HYDRAULIC TURBINES**
Study of the automatic closing of distributors on hydraulic turbines of the Volga Hydroelectric Power Station (22d Congress of the CPSU). N. P. Polushkin. *Gidr. stroit.* 33 no. 11:27-30 N '62.
- VOLGA-URAL REGION—BITUMEN—ANALYSIS**
Composition of naphthene-aromatic fractions of oily scattered bituminous substances and some crude oils. K. F. Rodionova, I. I. Korchagina, V. V. Il'in-skaia. *Geol. nefit i gaza* 7 no. 1:33-40 Ja '63.
- VOLGA-URAL REGION—BITUMEN—GEOLOGY**
Upper Devonian and Tournai carbonate rocks in the Kama-Kinel' Depression of the Volga-Ural region and patterns of bitumen bedding in them. S. Sh. Levi. *Trudy VNIGRI* no. 190:150-157 '62.
- VOLGA-URAL REGION—GAS, NATURAL—GEOLOGY**
Gas vents in the Ural-Volga interfluvium. E. I. Kudriavtseva. *Trudy VNIGRI* no. 190:95-108 '62.
- VOLGA-URAL REGION—OIL FIELD BRINES**
Indications of the presence of vertical movement in the eastern part of the Russian Platform. V. A. Krotova. *Trudy VNIGRI* no. 190:123-130 '62.
- VOLGA-URAL REGION—ORGANIC MATTER**
Conversion of the organic matter into petroleum; based on materials of the Volga-Ural oil-bearing region. P. E. Kharitonov. *Uch. zap. SGU* 65:129-135 '60.
- VOLGA-URAL REGION—PETROLEUM—ANALYSIS**
Composition of naphthene-aromatic fractions of oily scattered bituminous substances and some crude oils. K. F. Rodionova, I. I. Korchagina, V. V. Il'in-skaia. *Geol. nefit i gaza* 7 no. 1:33-40 Ja '63.
- VOLGA-URAL REGION—PETROLEUM GEOLOGY**
Conversion of the organic matter into petroleum; based on materials of the Volga-Ural oil-bearing region. P. E. Kharitonov. *Uch. zap. SGU* 65:129-135 '60.
Gas vents in the Ural-Volga interfluvium. E. I. Kudriavtseva. *Trudy VNIGRI* no. 190:95-108 '62.
- VOLGA-URAL REGION—ROCKS, CARBONATE**
Upper Devonian and Tournai carbonate rocks in the Kama-Kinel' Depression of the Volga-Ural region and patterns of bitumen bedding in them. S. Sh. Levi. *Trudy VNIGRI* no. 190:150-157 '62.
- VOLGA VALLEY—AERONAUTICS IN AGRICULTURE**
Preparation for aerial operations in agriculture in the Volga Valley. N. Abramov. *Grazhd. av.* 12 no. 2:29 F '65.
- VOLGA VALLEY—ANTIQUITIES**
New monument of the Sarmatian culture in the central part of the Volga Valley. N. V. Trubnikova. *Mat. i issl. po arkheol. SSSR* no. 111:22-24 '62.
- VOLGA VALLEY—ARCHAEOLOGY—MAPS**
Materials for an archaeological map of the western part of the central Volga Valley. P. D. Stepanov. *Mat. i issl. po arkheol. SSSR* no. 111:221-272 '62.
- VOLGA VALLEY—BOLGARS**
Numismatic data on the history of the Volga Bolgars. B. B. Zhivomskii. *Mat. i issl. po arkheol. SSSR* no. 111:205-216 '62.
- VOLGA VALLEY—COINS, CUFIC**
New data on the coinage in the Volga Bolgars in the 10th century. S. A. Iannina. *Mat. i issl. po arkheol. SSSR* no. 111:179-204 '62.
- VOLGA VALLEY—COINS, MONGOLIAN**
General survey of the collection of Cufic coins from archaeological excavations and other finds by the Kuybyshev Expedition in Bolgars, 1946-1950. S. A. Iannina. *Mat. i issl. po arkheol. SSSR* no. 111:153-170 '62.
Numismatic data on the history of the Volga Bolgars. B. B. Zhivomskii. *Mat. i issl. po arkheol. SSSR* no. 111:205-216 '62.
- VOLGA VALLEY—DECORATION AND ORNAMENT, BOLGAR**
Bronze headgear from the Volga Valley. A. P. Smolnov. *Krat. soob. Inst. arkheol.* no. 89:115-117 '62.
- VOLGA VALLEY—DESCRIPTION AND TRAVEL**
Fedenko, I. I. *Volga*. Moskva, Izd-vo M-va rezhnogo filia SSSR, 1947. 271 p.
- VOLGA VALLEY—FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES**
Technological and economic evaluation of tillage implements for use in the forests of the trans-Volga region. B. P. Solov'ev. *Les. khoz.* 15 no. 11:56-59 N '62.
- VOLGA VALLEY—GEOLOGY, STRATIGRAPHIC**
Stratigraphic position of "Bologrodskaya" layers. N. A. Vasil'eva. *Uch. zap. SGU* 65:81-83 '60.
- VOLGA VALLEY—GEOMORPHOLOGY**
Geomorphology of the Volga-Bolvia interfluvium (contained on sheet M-38-XXI). A. S. Romanov. *Uch. zap. SGU* 65:201-203 '60.
- VOLGA VALLEY—GRAIN**
Ways for further increase of grain production in the lower Volga Valley. I. U. P. Kovyrin. *Zemledelie* 24 no. 12:7-13 D '62.
- VOLGA VALLEY—HISTORY**
Fedenko, I. I. *Volga*. Moskva, Izd-vo M-va rezhnogo filia SSSR, 1947. 271 p.
- VOLGA VALLEY—IRRIGATION**
Biriukova, A. P. [Effect of irrigation on the water and salt balance of soils in the southern part of the trans-Volga region] *Vliianie orosheniia na vodnyi i solevoi rezhim pochv IUzhnogo Zavolzh'ia*. Moskva, Izd-vo Akad. nauk SSSR, 1962, 260 p.
- VOLGA VALLEY—POTTERY, BOLGAR**
Pottery production of the Volga Bolgars from the 10th to the beginning of the 13th century. T. A. Khlebnikova. *Mat. i issl. po arkheol. SSSR* no. 111:93-102 '62.
- VOLGA VALLEY—ROCKS**
Classification of the Lower Syzranian epoch in the lower Volga Valley. M. I. Pimburskaya. *Uch. zap. SGU* 65:149-163 '60.
- VOLGA VALLEY—SALINE AND ALKALI SOILS**
Biriukova, A. P. [Effect of irrigation on the water and salt balance of soils in the southern part of the trans-Volga region] *Vliianie orosheniia na vodnyi i solevoi rezhim pochv IUzhnogo Zavolzh'ia*. Moskva, Izd-vo Akad. nauk SSSR, 1962, 260 p.
- VOLGOGRAD—GUIDEBOOKS**
[A heroic city on the Volga; guide to the historical places of Volgograd] *Gorod-geroi na Volge; putevoditel' po istoricheskim mestam Volgograda*. Moskva, Voenizdat, 1962, 142 p.
- VOLGOGRAD—HISTORY**
The 20th anniversary of the Battle on the Volga; decisions of the "Committee for the Defense of Stalingrad," February, 1943-April, 1945. Submitted by I. I. Belonov, M. I. Logvinova, A. M. Samonov. *Ist. arkh.* 8 no. 5:3-35 S-O '62.
- VOLGOGRAD—HOUSING—LAW AND LEGISLATION**
Why do they violate the law in Volgograd? M. Medvedev. *Sov. iust.* no. 1:13 Ja '63.
- VOLGOGRAD—LIBRARIES AND READERS**
Bring technological books to every reader. L. Melnikova. *Bibliotekar'* no. 1:13-15 Ja '63.

VOLGOGRAD—MILITARY EDUCATION

In the heroic city. A. Sergeevskii. Voen. znan. 39 no. 1:16-19 Ja '63.

VOLGOGRAD—PROSTHESES

Why look for detours? I. Kolmakov. Sots. obesp. 24 no. 1:49 Ja '63.

VOLGOGRAD—RETAIL TRADE

Give trade the daily attention of party organs. K. Cherednichenko. Sov. torg. 36 no. 12:5-9 D '62. Volgograd today. IA. Orlov. Sov. torg. 36 no. 12:26-31 D '62.

VOLGOGRAD PROVINCE—AGRICULTURAL ADMINISTRATION

We are greatly concerned. V. G. Likhola. Sov. voen. 45 no. 1:3 Ja '63.

VOLGOGRAD PROVINCE—AGRICULTURE

Heroic work of Volgograd farmers. A. IA. Mulin. Zemledelie 24 no. 11:9-12 N '62.

VOLGOGRAD PROVINCE—BUILDING

Poor quality of work is intolerable. F. Mukhanov. Sel. stroi. no. 12:10 D '62.

VOLGOGRAD PROVINCE—FIRES AND FIRE PREVENTION—INSPECTION

Everything found in good order in one respect, but what about the rest? V. Zolotukhin. Pozh. delo 9 no. 1: 8-9 Ja '63.

VOLGOGRAD PROVINCE—GEOLOGY, STRATIGRAPHIC

Lower Permian sediments in the Volga Valley portion of Volgograd Province. S. P. Rykov. Uch. zap. SGU 65: 39-41 '59.

VOLGOGRAD PROVINCE—LAMELLIBRANCHIATA, FOSSIL

New polycypod species from Lower Cretaceous sediments in the Medveditsa-Bovlya uplands. G. G. Postavskaya. Uch. zap. SGU 65:55-59 '59.

VOLGOGRAD PROVINCE—LUMBER—TRANSPORTATION

From practices in hauling timber directly with tractors. V. K. Garmatuk. Les. prom. 40 no. 11:29-30 N '62.

VOLGOGRAD PROVINCE—OIL WELL DRILLING FLUIDS

Using solar-bentonite mixture for controlling outcrops. I. A. Kapustin. Azerb. neft. khoz. 41 no. 6:17-19 Je '62.

VOLGOGRAD PROVINCE—PETROLEUM GEOLOGY

Principle of differential entrapment and the importance of the depth factor in changes in the composition of oils of the Volga Valley portion of Volgograd Province. L. N. Rozanov. Trudy Inst. geol. pol. iakop. AN URSS 5:79-88 '62.

VOLLEYBALL

Volleyball; international tournament. A. Brychkov. Vsem. stud. nov. 16 no. 1:16-17 Ja '62.

VOLOCHISK DISTRICT—FISHPONDS

Food supply and fish productivity of farm and field ponds as exemplified by the collective farms of Volochisk District in Khmel'nitskiy Province. A. K. Chyzhyk. Vsesy. sil'hozp. nauky 5 no. 12:97-100 D '62.

VOLOGDA—RAILROADS—REPAIR SHOPS

Kolotilov, I. N. [Vologda Locomotive and Railroad-Car Repair Plant] Vologodskii parovozno-vagonoremontnyi zavod. [Vologda] Vologodskoe knizhnoe izd-vo, 1961, 117 p. (Iz istorii fabrik i zavodov) (MI)

VOLOGDA DISTRICT—BANKS AND BANKING

Role of an executive officer. P. Korshakov. Den. i kred. 20 no. 12:62-63 D '62.

VOLOGDA PROVINCE—ECONOMIC CONDITIONS

[We are building communism] My stroim kommunizm [Red. kol. : K. N. Gullayev i dr. Vologda] Vologodskoe knizhnoe izd-vo, 1962. 346 p. (MI)

VOLSK—FINANCE

We work and study. I. Peromyshlin. Fin. SSSR 23 no. 12:74-77 D '62.

VOLTAGE REGULATORS

Determination of the optimum parameters of the elements of a system for parametric regulation of the voltage and frequency of an a.c. generator with a parallel resonant circuit. IU. E. Voskresenskiy, G. V. Privalov. Izv. AN SSSR, Otd. tekhn. nauk, Energ. i avtom. no. 6:27-33 N-D '62.

Linear programming in investigating rural electric networks [with summaries in English, German, and French]. K. M. Poljakov. Vest. sel'khoz. nauki 7 no. 11:135-139 N '62.

Transistorized low-voltage stabilizers. N. V. Nikitin. Trudy Inst. Kom. stand., mer. i izm. prib. no. 60:72-77 '62.

Use of semiconductors in a.c. arc quenching systems. V. I. Spiridonov. Vest. elektroprom. 34 no. 1:33-36 Ja '63.

VOLZHSKIY (VOLGOGRAD PROVINCE)—PUBLIC HEALTH

New cities. S. Statnikov, D. Makarov. Zdorov'e 8 no. 12:7-8 D '62.

VORONEZH—AGRICULTURAL MACHINERY INDUSTRY

Cities give support. M. Shishlennikov. Komsom. zhizn' no. 14:24-26 Ji '62.

VORONEZH—GROCERY TRADE

Under joint management. A. Solntikova. Sov. torg. 36 no. 12:24-25 D '62.

VORONEZH—LEGAL RESEARCH

A conference in Voronezh. E. Pobegallo. Sov. iust. no. 24:29 D '62.

VORONEZH—ORTHOPEDIC APPARATUS INDUSTRY

Service could be better. I. Kovalev. Sots. obesp. 24 no. 1:47-48 Ja '63.

VORONEZH—SALESMEN AND SALESMANSHIP

Value the honor of the salesman. G. Shur. Sov. torg. 36 no. 12:36-41 D '62.

VORONEZH PROVINCE—AGRICULTURAL ADMINISTRATION

How local soviets cooperate with regional agricultural administrations. P. Luk'ianov. Sov. deput. trud. no. 1:8-13 Ja '63.

VORONEZH PROVINCE—ATOMIC POWER PLANTS

How to harness a tiger. L. Vladimirov. Znan. sila 37 no. 10:24-26 O '62.

VORONEZH PROVINCE—CLERKS (RETAIL TRADE)

That conscience did not give them peace. M. Kolomytsev. Sov. potreb. koop. 6 no. 11:7-10 N '62.

VORONEZH PROVINCE—COLLECTIVE FARMS—INCOME DISTRIBUTION

Guarantee monthly payment of advances to collective farmers. L. F. Aitsekil. Uchet i fin. v kol'khoz. i sovkhoz. 19 no. 5:30-41 My '62.

VORONEZH PROVINCE—COMMUNIST YOUTH LEAGUE

Militant activities of the members of the Communist Youth League in the Voronezh Province during the years of the Great Patriotic War, 1941-1945. E. A. Marchuk. Izv. Vor. gos. ped. inst. 31:12-27 '60.

VORONEZH PROVINCE—CURRANTS

Practices in growing the golden currant. IU. E. Pukhtinskii. Les. khoz. 15 no. 11:75 N '62.

VORONEZH PROVINCE—ECONOMIC POLICY

Development of the economy of the Voronezh Province in the current seven-year plan. Izv. Vor. gos. ped. inst. 31:3-11 '60.

VORONEZH PROVINCE—MANUFACTURES

Use local resources in the turnover of goods. V. Bondarenko. Sov. torg. 36 no. 12:10-15 D '62.

VORONEZH PROVINCE—PART-TIME FARMING

Fruit and meat from auxiliary farms. L. Il'ev. Sov. torg. 36 no. 11:29 N '62.

VORONEZH PROVINCE—RETAIL TRADE

Order business. A. Davydov. Sov. potreb. koop. 6 no. 12:26-27 D '62.

Use local resources in the turnover of goods. V. Bondarenko. Sov. torg. 36 no. 12:10-15 D '62.

VORONEZH PROVINCE—REVOLUTION, 1917-1921

Establishment of Soviet rule in the county centers of the Voronezh Government. V. M. Fefelov. Izv. Vor. gos. ped. inst. 31:28-51 '60.

VORONEZH PROVINCE—SOVIETS

Establishment of Soviet rule in the county centers of the Voronezh Government. V. M. Fefelov. Izv. Vor. gos. ped. inst. 31:28-51 '60.

VORONEZH PROVINCE—TEACHERS, TRAINING OF

The struggle of the Voronezh Province party organization for the training and education of teacher cadres during the years of the second five-year plan, 1933-1937. E. I. Donchenko. Izv. Vor. gos. ped. inst. 31: 66-76 '60.

VORONEZH PROVINCE—WORLD WAR, 1939-1945

Militant activities of the members of the Communist Youth League in the Voronezh Province during the years of the Great Patriotic War, 1941-1945. E. A. Marchuk. Izv. Vor. gos. ped. inst. 31:12-27 '60.

VORONIN, SERGEI

"Two lives" by Sergei Voronin. Reviewed by I. Shehu-rov. V mire knig 2 no. 11:22-23 N '62.

"Two lives" by Sergei Voronin. Reviewed by M. Khitrov. Znaniia 32 no. 9:220-224 S '62.

VOROSHILOVGRAD see Lugansk**VOROSHILOVGRAD PROVINCE see Lugansk Province****VOSKRESENSK—BUILDING MATERIALS INDUSTRY**

A gift for the Great October. M. Revunov. Mest. prom. i khud. promys. 3 no. 11:6 N '62.

VOSKRESENSK DISTRICT—PENSIONERS

Two from the same district. V. Leont'ev. Sots. obesp. 24 no. 1:14-17 Ja '63.

VOSKRESENSKOYE DISTRICT (LIPETSK PROVINCE)—PENSIONS

Yesterday and today. A. Nazarov. Sots. obesp. 23 no. 11:26-27 N '62.

VOYKINSK HYDROELECTRIC POWER STATION

Let's shorten the time required to build the Voynsk Hydroelectric Power Station. A. Komarov, B. Abramov. Na stroi. Ros. no. 12:6-8 D '61.

VOYEYKOVO REGION (LENINGRAD PROVINCE)—SOILS—ELECTRIC PROPERTIES

Study of interference at the Voevaykovo Magnetic Observatory. N. V. Mikerina. Geomag. i aer. 2 no. 6: 1134-1137 N-D '62.

VOYNICH, ETHEL LILLIAN (BOOLE), 1864-1960

Tarabuta, E. A. [In the footsteps of the "Gadfly." Po sledam "Ovoda." Moskva, Deliz, 1962. 206 p.

VREVO, LAKE—ALGAE

Contribution to the study of Protozoocales in Lake Vrevo, Leningrad Province. L. S. Podgornaya. Bot. zhur. 47 no. 11:1699-1671 N '62.

VULCANIZATION

Design of the radiator of radioactive units for tire vulcanization using the gamma radiation of spent fuel rods of the nuclear reactor. V. K. Khozak and others. Khim. i rez. 21 no. 12:26-29 D '62. Vulcanizing action of di-2-benzothiazolyl disulfide (nitax) in rubber compounds filled with chalk, talc, and kaolin. M. A. Vashkovskaya, G. A. Blukh. Izv. vys. ucheb. zav. ; khim. i khim. tekhn. 5 no. 5:815-820 '62.

VUORIYARVI REGION—PETROLOGY

Petrography and origin of the Vuoriyarvi massif. L. S. Borodin. Trudy IMGRE no. 9:161-206 '62.

VYATKA VALLEY—BRIDGE CONSTRUCTION

Concrete construction of spans of a city bridge from a suspended unit. I. A. Sobinova. Transp. stroi. 12 no. 12:13-15 D '62.

VYBORG DISTRICT—TULAREMIA

Tularemia outbreak of transmissible origin in the Vyborg District of Leningrad Province. N. I. Ulianova, V. V. Zakharova, K. N. Dlenov. Trudy Len. inst. epid. i mikrobiol. 20:124-129 '59.

VYSHNEVYYE MOUNTAINS—PEGMATITES

Characteristics of the structure and composition of exo-contact alkali pegmatites in the Vishnevyye and Ilmen' Mountains massifs. Intrusion. G. N. Mukhtidinov, I. IU. Kharchenko. Trudy IMGRE no. 8:236-240 '62.

WAGE PAYMENT SYSTEMS

(see also subdivision under Moscow) Material interest, wages, and public funds. M. Mikhailov, G. Eglizariou. Part zhizn' no. 3:42-47 F '63. Norms and wages. M. Grozovskii. Mest. prom. i khud. promys. 3 no. 11:28 N '62.

WAGES

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud 7 no. 4:146-149 Ap '62.

WAGES—AUTOMOBILE see subdivision under Gorkiy**WAGES—BUILDING MATERIALS INDUSTRY**

Kovalev, G. N., and G. F. Shcheluninov. [Wages in the building materials industry] Oplata truda v promyshlennosti stroitel'nykh materialov. [Moskva] Profizdat, 1962. 158 p.

WAGES—CHEMICAL INDUSTRIES see subdivision under Leningrad Province**WAGES—CLOTHING INDUSTRY see subdivision under Tashkent****WAGES—COKE INDUSTRY**

Consolidated production standards and wage systems for workers of the basic coke chemical shops. N. Z. Shabadash. Koks i khim. no. 12:51-53 '62.

WAGES—CONGRESSES

Coordinating conference on the problem of "Improving wages in the U. S. S. R." S. Sharapova. Bui. nauch. inform. : trud i zar. plata 5 no. 4:39-43 '62.

WAGES—CONSTRUCTION INDUSTRY

Apply material incentive systems to stimulate an increase in labor productivity. IU. Pak. Ekon. stroi. no. 1:18-23 Ja '63. Awarding bonuses for putting construction units into operation. Ekon. stroi. no. 1:65-66 Ja '63.

- WAGES—CONSTRUCTION WORKERS**
We answer questions. Sel'stroi, no. 12:27 D '62.
- WAGES—DAIRY INDUSTRY** see subdivision under Kirghizistan
- WAGES—FURNITURE INDUSTRY**
Wages based on finished production in the furniture factories of "Zakarpates" Trust. A.V. Zheltvai. Bum.i der.prom. no. 4:49-50 O-D '62.
- WAGES—INSTRUMENT INDUSTRY** see subdivision under Krasnodar
- WAGES—MACHINERY INDUSTRY**
(see also subdivision under Poland)
Awarding bonuses to workers in machinery manufacturing. A. Arkhipov. Sots.trud 7 no. 4:62-66 Ap '62.
Practice in applying various systems for awarding bonuses to machinery manufacturing workers. A. Arkhipov. Biol.nauch.inform.: trud i zar.plata 5 no. 4:29-34 '62.
- WAGES—MEAT INDUSTRY** see subdivision under Kirghizistan
- WAGES—METAL INDUSTRIES** see subdivision under Leningrad
- WAGES—PETROLEUM WORKERS**
Wages as an important factor in the progress of extradeep well drilling. R. I. Abasov. Azerb.neft.khoz. 41 no. 6:47-48 Je '62.
- WAGES—POULTRY PLANTS**
New wage systems for workers of poultry feeding plants. R.S. Gofman. Khar.prom. no. 4:82-85 O-D '62.
- WAGES—RAILROADS**
Wages and stimulation of labor productivity of railwaymen. I.A. P. Karisev. Zhel.dor.transp. 44 no. 12:14-19 D '62.
- WAGES—RESTAURANTS, LUNCHROOMS, ETC.**
New system of wages for waiters. A. Volkov, E. Egorova, A. Lusin. Obshchestv.pit. no. 11:55-56 N '62.
- WAGES AND LABOR PRODUCTIVITY**
Labor productivity and wages. E. Kapustin. Sots.trud 7 no. 4:11-23 Ap '62.
- WAGNER, RICHARD, 1813-1883**
Rebirth of "Lohengrin." V. Aleksandrova, E. Bronfin. Sov.muz. 26 no. 12:44-46 D '62.
- WALACHIA—GEOLOGY, STRATIGRAPHIC**
Boundary between Tertiary and Quaternary sediments in the Walachian Depression [Translated from the French]. E. Liteanu. Trudy Kom.chety. per. 20:108-125 '62.
- WALL NEWSPAPERS**
The trade-union group corner. I. Belinskii. Sov.profsoiuzy 18 no. 24:21-22 D '62.
- WALLS**
(see also subdivision under Lugansk Economic region)
Large wall slabs of natural stone. V. Briancov. Stroi.i arkh. 10 no. 8:27-28 Ag '62.
Vibrated brick panels for apartment houses. D. Konstantinovskii, V. Skribo. Stroi.i arkh. 10 no. 1:28-31 Ja '62.
- WALLS—TESTING**
Thermophysical testing of exterior walls of large-panel apartment houses. V. Lapardin, V. Udelev. Zhil.stroi. no. 10:31-32 '62.
- WALLS—THERMAL PROPERTIES**
Patterns of the path of a wave of heat in a multilayer wall. A.M. Shklover. Izv.ASIA 4 no. 4:118-121 '62.
- WALNUT** see subdivision under Georgia
- WAR**
Cassandra's voice; book reviews. Boris Izakov. Nov.vrem. 20 no. 2:30-32 Ja '63.
Peaceful coexistence and revolutionary struggle. Kommunist 39 no. 3:12-24 F '63.
Trifonov, P. I. [Basic laws governing the course and outcome of modern warfare] Ob osnovnykh zakonakh khoda i iskhoda sovremennoi voyny. Moskva, Voenizdat, 1962. 116 p.
- WAR AND RELIGION**
Does religion help in preserving peace? M. Novikov. Otv. na vop.trud. no. 4:46-53 Ap '62.
- WAR CRIME TRIALS** see subdivision under Germany, West
- WAR GAMES**
Application of the theory of war games to naval research. A. P. Tron'. Mor.sbor. 46 no. 1:23-30 Ja '63.
- WAR IN LITERATURE**
Smirnov, S. S. [Stories about unknown heroes] Rasskazy o neizvestnykh gerolakh. Moskva, Izd-vo "Prayda," 1963. 47 p. (Biblioteka "Ogonek," no. 2)
- WARBLE FLIES** see subdivision under Semipalatinsk Province
- WAREHOUSES**
Refrigerator, depot and warehouse should be on the same site. A. Solov'ev. Sov.torg. 36 no. 11:20-22 N '62.
Warehouse management and the supplying of materials and equipment for construction. V. Kardash. Zhil.stroi. no. 10:30-31 '62.
- WARPING MACHINES**
Beam warping of high count rayon for flat finish fabrics. E. A. Rodicheva, Z. D. Alimova. Tekst.prom. 22 no. 12:30-40 D '62.
- WARSAW—NUCLEAR RESEARCH**
Isotope center at Warsaw. Atom.energ. 14 no. 2:228-229 F '63.
- WARSAW—OPERA**
The Warsaw Opera on tour in Moscow. L. Poliakova. Sov.muz. 26 no. 12:48-50 D '62.
- WARSHIPS—HYDRODYNAMICS**
Trial by storm. N. Averbukh. Sov.voin 45 no. 2:13 Ja '63.
- WASHING MACHINES**
Washing machines should be of faultless construction. V. Zaitsev, A. Iakovlev. Sov.torg. 36 no. 11:8-13 '62.
- WASTE HEAT**
"Secondary power utilization in ferrous metallurgy" by N. S. Kalita. Reviewed by M. Tereshchenko, M. Shapovalov. Ekon.Rad.Ukr. no. 6:130-131 N-D '62.
- WASTE PRODUCTS** see subdivision under Leningrad
- WATER**
Physicochemical constants of heavy-oxygen water [with summary in English]. O. V. Uvarov, N. M. Sokolov, N. M. Zhavoronkov. Zhur.fiz.khim. 36 no. 12:2690-2706 D '62.
- WATER—AERATION** see subdivision under Moscow
- WATER—ANALYSIS**
Chromoxane Violet P, a reagent for a total or separate determination of microgram quantities of aluminum, and iron. Part I: Determination of aluminum and iron in natural waters. N. F. Lisenko, I. S. Mustafin, L. A. Moloi. Izv.vys.ucheb.zav.; khim.i khim.tekh. 5 no. 5:712-716 '62.
Continuous automatic determination of oxygen in water. V. D. Aleksovskii and others. Zav.lab. 28 no. 12:1440-1442 '62.
"Formation of the chemical composition of surface waters in the steppe and forest-steppe zone in the European territory of the U. S. S. R." by P. V. Voronkov. Reviewed by M. A. Glazovskaia. Vop.geog. no. 59:184-185 '62.
- WATER—CHLORINATION**
New developments in the technique of chlorinating water. D. M. Mints. Gor.khoz.Mosk. 36 no. 8:48-50 Ag '62.
- WATER—COMPOSITION** see subdivision under Latvia
- WATER—OZONIZATION**
(see also subdivision under Moscow)
Ozonization of water. V. F. Kozhinov. Gor.khoz.Mosk. 36 no. 8:20-22 Ag '62.
- WATER—PURIFICATION**
(see also subdivision under Ukraine)
Kastal'skii, A. A., and D. M. Mints. [Water treatment for drinking and for industrial uses] Podgotovka vody dlia pit'evogo i promyshlennogo vodosnabzheniia. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 557 p.
- WATER—SOFTENING**
Automation of the process of cooling softened water. A. A. Pichugin and others. Khim.volok. no. 6:62-63 '62.
- WATER, UNDERGROUND**
(see also subdivision under Caspian Sea region; Kama Valley; Kura-Aras Lowland region; Russian Platform; Saratov Province; Szechwan, China; Unguz region)
"Dynamics of underground waters" by P. P. Klimentova, G. B. Pykhacheva. Reviewed by V. I. Davidovich. Izv.vys.ucheb.zav.; geol.i razv. 5 no. 9:143-144 S '62.
- WATER, UNDERGROUND—RADIOACTIVE PROPERTIES** see subdivision under Georgia
- WATER CLOSETS**
The "Progress" flush tank. A. I. Aleksandrovich, E. S. Makhover, M. M. Kheikin. Gor.khoz.Mosk. 36 no. 7:21-22 Ji '62.
- WATER HAMMER**
Water hammer in fire hose. V. Kozar'. Pozh.delo 8 no. 12:26 D '62.
- WATER HEATERS**
Assembly and use of the VET-200 water heater. V. Smirnov. Tekh.v sel'khoz. 22 no. 11:30-33 N '61.
An efficient type of water-heating boiler unit with a contact chamber for a one-pipe system of centralized heat supply. L. K. Jakimov and others. Sbor.nauch.rab. AKKH no. 8:31-50 '61.
Gas burner with increased ejection capacity for circulating water heaters. T. P. Droboi. Sbor.nauch.rab. AKKH no. 8:75-81 '61.
Gas contact water heaters and prospects for their use. S. N. Muromskii and others. Sbor.nauch.rab. AKKH no. 8:3-17 '61.
Study of the functioning of heat-exchange and fire chambers of nozzle-type contact water heaters. Z. L. Zakharova. Sbor.nauch.rab. AKKH no. 8:18-39 '61.
- WATER RESOURCES DEVELOPMENT** see subdivision under Africa; Dnieper Valley; Yalta
- WATER SUPPLY**
(see also subdivision under Moscow; New York, City)
"Handbook on water supply and sewerage." Reviewed by A. I. Balashov and others. Vod. i san.tekh. no. 12:32-34 D '62.
- WATER SUPPLY—BIBLIOGRAPHY** see Bibliography—Water supply
- WATER SUPPLY, RURAL** see subdivision under Kazakhstan; Kzyl-Orda Province
- WATER-SUPPLY ENGINEERING** see subdivision under Dobruja; Kobystan
- WATER-SUPPLY ENGINEERING—EQUIPMENT AND SUPPLIES**
Pneumatic unit for raising water without a compressor. V. I. Krivonogov. Vod. i san.tekh. no. 12:21-22 D '62.
- WATER VAPOR**
Determination of the water vapor diffusion coefficient in granulated zeolites by the method of sorption from the gas-carrier stream. O. N. Kabanova, D. P. Timofeev. Izv. AN SSSR, Otd. khim. nauk no. 1:170-173 '63.
- WATER VOLES—EXTERMINATION**
(see also subdivision under Siberia, Western)
Controlling the water vole [with summaries in English, German, and French]. M. B. Azar'inn. Vest. sel'khoz. nauki 7 no. 10:45-47 O '62.
Water vole and its control. T. S. Gladkova, Zashch. rast. ot vred. i bol. 5 no. 10:23-26 O '60.
- WATER-WORKS INTAKES** see Intakes (hydraulic engineering)
- WATERMELONS**
Materials on the morphology of the fruit of the genus Citrullus Schr. M. K. Gol'dgauzen. Trudy po prikl. bot., gen. i sel. 31 no. 2:20-56 '57.
Role of peptolytic enzymes and oxidizing processes in the conversions of peptic substances in watermelons. A. V. Mel'nik, V. V. Aramovich. Biokhim. pl. i oveshch. no. 7:207-217 '62.
- WATERPROOFING**
Waterproofing the pressure face of the dam of the Makan Hydroelectric Power Station. N. K. El'ch. Gidr.stroi. 33 no. 11:20-21 N '62.
Waterproofing underground structures with synthetic materials. I. A. Borisovskov, L. N. Ielisev. Transp.stroi. 12 no. 12:22-24 D '62.
- WATERPROOFING—EQUIPMENT AND SUPPLIES**
Mechanization of waterproofing operations. I. Nikiforov and others. Stroitel' 8 no. 11:15-20 N '62.
- WATERPROOFING OF FABRICS**
Various methods of imparting water-repellent properties to cotton fabrics. P. A. Simigin, Z. N. Sil'vestrova, K. P. Radovitskii. Tekst.prom. 22 no. 12:52-57 D '62.
- WATERWAYS** see subdivision under Moscow
- WATERWEED**
Characteristics of cytoplasmic and chloroplastic streaming in the leaf cells of *Elodea canadensis* [with summary in English]. S. V. Tagaeva, E. N. Kazantsev. Izv. AN SSSR, Ser. biol. no. 6:666-666 N-D '62.
- WAVE GUIDES**
Approximate calculation of a matching device for a septate wave guide. A. I. Zykov. Radiotekh. i elektron. 8 no. 1:80-88 Ja '63.
Electromagnetic waves in a rectangular wave guide with two ferrite plates. D. N. Pokusnin. Radiotekh. i elektron. 8 no. 1:73-83 Ja '63.
Experimental study of the diffraction of an electromagnetic wave by a system with a periodic structure. D. K. Kvavadze. Trudy Inst. geofiz. AN Gruz. SSR 20:37-55 '62.
Experimental study of the reflection of electromagnetic waves from a system consisting of slatted cylindrical waveguides [in Georgian with summary in Russian]. D. K. Kvavadze, D. S. Chikvaneli, T. G. Khundzhua. Trudy Inst. geofiz. AN Gruz. SSR 20:27-35 '62.

WAVE GUIDES (Continued)

Geometrical optics of anisotropic impedance surfaces. I. U. A. Zaitsev. Radiotekh. i elektron. 8 no. 1:57-63 Ja '63.

WAVE MECHANICS

Some approximate solutions to the heat conduction and wave equations for solids of revolution and plates [with summary in English]. V. I. Makhovikov. Inzh.-fiz. zhur. 6 no. 1:87-96 Ja '63.

WAVES

(see also subdivision under Peschany Island)

Emission of low-frequency waves by ions and electrons in a magnetoactive plasma [with summary in English]. V. I. Pakhomov, K. N. Stepanov. Zhur. eksp. i teor. fiz. 43 no. 6:2153-2165 D '62.

Internal waves in an inhomogeneous liquid. A. M. Ter-Krikorov. Prikl. mat. i mekh. 20 no. 6:1087-1076 N-D '62.

On certain low-frequency oscillations of a liquid layer in an elastic medium. P. V. Krauklis. Prikl. mat. i mekh. 26 no. 6:1111-1115 N-D '62.

Study of a wave flow under low frequency conditions. M. R. Razumovskaya. Trudy Gruz NIIM no. 21:177-182 '60.

WEATHER CONTROL

Bridled clouds. H. Prykhot'ko. Nauka i zhytlya 12 no. 11:23-24 N '62.

WEATHER FORECASTING

Criticizing inaccurate 3- to 7-day weather forecasts. S. K. Averbukh, V. S. Bedrina, O. N. Khazova. Trudy TSIP no. 119:82-97 '62.

In response to readers' queries. K. Iankin, I. A. Prutkin. Grahd. sv. 19 no. 11:27 N '62.

On climate and weather. S. Veretennikova. Doshk. vosp. 35 no. 9:99-105 S '62.

Statistical entropy as an indicator of the resemblance or difference of meteorological fields. N. A. Bagrov. Meteor. i gidrol. no. 1:9-15 Ja '63.

Three-dimensional problem concerning the forecasting of flattened values of meteorological elements. E. N. Blinova. Dokl. AN SSSR 147 no. 6:1355-1358 D '62.

Use of 24-hour prognostic maps of H₅₀₀, computed on a universal electronic calculator, in forecasting a synoptic period. S. K. Averbukh, M. N. Fedulova. Trudy TSIP no. 110:70-81 '62.

WEAVING

Experimental testing of the tension of the warp and strains in the web in the manufacture of fabrics with various pick parameters. K. G. Alekseev. Tekst. prom. 22 no. 12:34-37 D '62.

WEED CONTROL

(see also subdivision under Kazakhstan; Ukraine)

Application of herbicides for weed control in gladioli stands. N. M. Bogdanov, G. N. Prokof'eva, E. D. Suchilin. Biol. Glav. bot. sada no. 47:88-91 '62.

Blower-type sprayer for weed control in corn. S. I. Prokopenko. Zashch. rast. ot vred. i bol. 5 no. 6:18-10 Je '60.

Chemical weed control for carrots. T. A. Kanov. Zashch. rast. ot vred. i bol. 5 no. 5:18-19 My '60.

Controlling weeds, not eaten by cattle, growing on flood-land meadows in the Yenisey Valley [with summaries in English, German, and French]. A. D. Belorussova. Vest. sel'khoz. nauki 7 no. 10:25-30 O '62.

The corn smut Ustilago zeae and chemical weed control in corn. I. U. A. Leont'eva. Zashch. rast. ot vred. i bol. 5 no. 6:24-25 Je '60.

Cultivation practices as a method for exterminating weeds. K. E. Rykova. Zashch. rast. ot vred. i bol. 5 no. 10:21-23 O '60.

Effective means against weeds in crops. R. G. Minbaev. Zashch. rast. ot vred. i bol. 5 no. 6:31-32 My '60.

Organizational and economic evaluation of using herbicides in corn planting. M. I. Sinukov. Dokl. TSKHA no. 75:239-245 '62.

Ten days' work of controlling ragweed in Stavropol Territory. T. L. Uel'skii. Zashch. rast. ot vred. i bol. 5 no. 7:11-12 Ji '60.

WEED KILLERS see Herbicides

WEEDS see subdivision under Turkmenistan

WEEK

Newspaper for the curious. Nauka i zhytlya 12 no. 10:32-33 O '62.

WEEVILS

(see also subdivision under Transcaucasia)

Unusual orchard pests. P. A. Polozhentsov, N. I. Polozhentseva. Zashch. rast. ot vred. i bol. 5 no. 10:62 O '60.

WEEVILS—EXTERMINATION

(see also subdivision under Krasnoyarsk Territory; Odessa Province; Smela District; Ukraine; Vitebsk Province)

The KSM-35 ditch and well digging machine. M. I. Kharitonenko. Zashch. rast. ot vred. i bol. 5 no. 3:9-11 Mr '60.

WEIGHING MACHINES

(see also subdivision under Vladimir Province)

Automation in weighing ores. E. A. Beliaev, I. U. Iakubov. Gor. zhur. no. 1:74 Ja '63.

Control systems of selective weighing with potentiometer-type weight transducers. B. I. Andrasnikov, V. V. Bazilevich, I. A. Troitskii. Mekh. i avtom. proizv. 16 no. 12:28-35 D '62.

WEIGHTLESSNESS

Characteristics of dynamic weightlessness. V. Seliakov. Av. i kosm. 45 no. 1:16-18 Ja '63.

Organism and weightlessness. F. Mikhailov. Nauka i zhytlya 12 no. 11:15-16 N '62.

Some physiological reactions of man under the conditions of alternating effects of overload and short periods of weightlessness [with summary in English]. I. I. Katsian. Izv. AN SSSR. Ser. biol. no. 6:896-908 N-D '62.

WEIL'S DISEASE

Experimental leptospirosis infection in cotton rats. E. M. Popova, N. V. Tkova. Trudy Len. inst. epid. i mikrobiol. 20:134-145 '59.

WELDING

"Metalcutting by low-pressure oxygen" by M. Rorta, V. Shevchenko, A. Hushchenko; "Welding in the water vapor medium" by L. Sapiro. Reviewed by V. Shalhanova. Nauka i zhytlya 12 no. 10:63 O '62.

Residual stresses in very thick laminated seams. V. A. Vinokurov, A. S. Gazarlan. Izv. vys. ucheb. zav. mashinostr. no. 7:147-154 '62.

WELDING—BIBLIOGRAPHY see Bibliography—

Welding

WELDING—CONGRESSES

Conference on the welding of cast iron. B. G. Ivanov. Svar. proizv. no. 7:40-41 Ji '62.

Second Crimean conference on welding. M. V. Sutyryn. Svar. proizv. no. 7:41 Ji '62.

WELDING—CORROSION

Intercrystalline corrosion of welded joints in Kh18N9T steel. E. I. Antonovskaya. Metalloved. i term. obr. met. no. 12:43-47 D '62.

WELDING—EQUIPMENT AND SUPPLIES

Angle bracket for clamping parts during welding. I. F. Shamanov. Svar. proizv. no. 7:36 Ji '62.

Emel'yanov, L. V., L. A. Zhitovskii, and A. D. Gilevich. [Auxiliary equipment for welding; an album] Vspomogatel'noe oborudovanie dlia svarki; al'bom. Moskva, Proftekhizdat, 1962, 123 p.

Manipulator for welding machine-assembly housings. M. I. U. Pustyl'nik. Svar. proizv. no. 7:28-29 Ji '62.

WELDING—HANDBOOKS, MANUALS, ETC.

"Welder's handbook." Reviewed by V. S. Sizov. Svar. proizv. no. 7:44-45 Ji '62.

WELDING—QUALITY CONTROL

Developing a magnetographic method of weld joint quality control. A. S. Fat'kevich, M. Kh. Khusanov. Svar. proizv. no. 7:25-28 Ji '62.

WELDING—TECHNOLOGICAL INNOVATIONS see subdivision under Chelyabinsk

WELDING—TESTING

Device for creating a vacuum when testing welded seams. I. Kashtshev. Prom. stroit. i inzh. soor. 4 no. 5:50-51 S-O '62.

Testing the susceptibility of welded joints to brittle failure. T. A. Vladimirskii. Svar. proizv. no. 7:39-41 Ji '62.

WELDING, GAS see Gas welding and cutting

WELLS

(see also subdivision under Kazakhstan)

Gas flow toward an open well in a deformable porous medium. A. G. Kurovov. PMTF no. 2:72-80 Mr-Apr '62.

Problem of determining the time lag in pressure restoration in a fissured stratum. A. Ban. PMTF no. 2:81-84 Mr-Apr '62.

WEST GERMANY see Germany, West

WEST KAZAKHSTAN PROVINCE—FOREST INFLUENCES

Characteristics of moisture consumption by birch and elm plantations on dark-chestnut soils in the Ural Mountain region [with summary in English]. I. T. Stepanets. Pochvovedenie no. 9:69-79 S '62.

WEST KAZAKHSTAN PROVINCE—INDUSTRIAL MANAGEMENT—CONGRESSES

Departmental disunity hinders. V. Kurbatov. Nar. khoz. Kazakh. 20 no. 10:20-22 O '62.

WEST KAZAKHSTAN PROVINCE—PASTURES AND MEADOWS—FERTILIZERS AND MANURES

Increasing the yield of Solonetz pasture complexes in the semidesert [with summaries in English, German, and French]. I. V. Larin, Khuan Ven'-Ui [Huang Wen-Hui]. Vest. sel'khoz. nauki 7 no. 11:64-67 N '62.

WEST SIBERIAN PLAIN—FROZEN GROUND

Basic stages in the history of the development of permanently frozen ground in the West Siberian Plain. V. V. Baulln. Trudy Inst. merzl. AN SSSR 19:5-18 '62.

Determination of the boundaries of permanently frozen ground based on materials of field geophysical studies. V. S. Nikolaev. Trudy Inst. merzl. AN SSSR 19:108-112 '62.

Development of permanently frozen ground in the Igarka-Khantatka region in the postglacial period. G. S. Konstantinova. Trudy Inst. merzl. AN SSSR 19:32-43 '62.

Distribution of permanently frozen ground in the northern part of the West Siberian Plain based on the Salekhard-Urengoy profile. G. I. Dubikov. Trudy Inst. merzl. AN SSSR 19:25-31 '62.

History of the development of permanently frozen rocks as revealed by the studies in the West Siberian Plain. A. A. Sharbatian. Trudy Inst. merzl. AN SSSR 19:127-143 '62.

WEST SIBERIAN PLAIN—FUNGI, FOSSIL

Fossil fungi of the West Siberian Plain and the Yenisey Ridge [with summary in English]. P. A. Popov. Bot. zhur. 47 no. 11:1596-1610 N '62.

WESTERN EUROPE see Europe, Western

WESTERN FILMS

Youth and decrepitude of the western. A. Kiskarkin. Isk. kino no. 10:134-140 O '62.

WESTERN SIBERIA see Siberia, Western

WILARVES

Mooring quay of precast reinforced concrete. M. Lazebnik, G. TSinker. Stroit. i arkhit. 10 no. 8:28-30 Ag '62.

WHEAT

(see also subdivision under Armenia; Irkutsk Province)

Analyzing the yields of winter wheat; based on the materials of state variety testing stations and consolidated balances of farms of various zones of the country. V. A. Tiapkin. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:20-38 '62.

Biology of the flowering of Hordeiforme 29 durum winter wheat. I. L. Maksimov. Sbor. stud. nauch. i issl. rab. TSKHA no. 11:175-182 '62.

Effect of azotobacterin on the yield and protein content of winter wheat. N. S. Stepanov. Zemledelie 24 no. 11:80-82 N '62.

Effect of gamma rays on the technological properties of wheat grain. P. Demidov, A. Chmyr', E. Sazonova. Muk.-elev. prom. 28 no. 12:3-4 D '62.

Extensive tillering of winter rye and wheat as a factor increasing their yield. L. M. I. shen'kyi. Nauk. i prat. asp. UASHN no. 5:46-52 '60.

Improving the technological process of gradual reduction of wheat at pneumatic flour mills. A. Bratukhin. Muk.-elev. prom. 28 no. 10:10-12 O '62.

Methods for determining the technological properties of strong wheat. L. Lubarskii, N. Russkova, N. Averkova. Muk.-elev. prom. 28 no. 12:5-6 D '62.

Root system and yield of winter wheat [with summaries in English, German, and French]. A. I. Zadontsev, V. I. Bondarenko. Vest. sel'khoz. nauki 7 no. 11:18-26 N '62.

Some biological characteristics of a new form of winter wheat developed from spring wheat. Agrobiologiya no. 6:81-7-82 N-D '62.

Wheat on the "Boevol" State Farm. V. Khaimanov. Zemledelie 24 no. 12:72-73 D '62.

WHEAT—DISEASES AND PESTS

(see also subdivision under Armenia; Kazakhstan; Kustanay Province; Pavlodar Province)

Chemical control of the loose smut of wheat and barley. I. M. Pollakov. Zashch. rast. ot vred. i bol. 5 no. 3:15-16 Mr '60.

Effect of the biological preparation beauverin on the fertility of the shield bug Eurygaster integriceps. T. A. Shchirina. Zashch. rast. ot vred. i bol. 5 no. 5:35-30 My '60.

Express method for determining damages caused by the shield bug Eurygaster integriceps to grain. D. M. Paikin. Zashch. rast. ot vred. i bol. 5 no. 5:47-48 My '60.

Protecting "strong" wheat against the shield bug Eurygaster integriceps; from the practices of the "Rossiya" Collective Farm. L. L. Andreev, N. D. Pisarev. Zashch. rast. ot vred. i bol. 5 no. 5:8-10 My '60.

WHEAT—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the protein content of winter wheat [with summaries in English, German, and French]. I. V. Mosolov, N. N. Mikhailov, V. A. Aleksandrovskaia. Vest. sel'khoz. nauki 7 no. 10:31-33 O '62.

WHEAT—VARIETIES

(see also subdivision under Kazakhstan; Siberia, Western)

Developing winter wheat varieties for intensive farming. P. P. Luk'ianenko. Zemledelie 24 no. 12:14-23 D '62.

Man follows a dream. L. Kovalenko. Nauka i zhytlya 12 no. 0:7-9 S '62.

- WHEAT BREEDING** see subdivision under Kazakhstan; Siberia, Western
- WHITE RUSSIA—AGRICULTURE**
 "Distribution and specialization of agriculture in White Russia" by P. S. Martinkovich. Reviewed by I. Karliuk, M. Tumanova. *Ekon. sel'khoz.* 34 no. 1:121-123 Ja '63.
 German, K. K. [Contribution of the labor class of White Russia to the collective farm village, 1953-1962] *Rabochii klass BSSR - kolchoznoi derevne, 1953-1962* gg. Minsk, 1962, 32 p. (Obshchestvo po rasprostraneniю politicheskikh i nauchnykh znanii Belorusskoi SSR, no. 27)
- WHITE RUSSIA—AGRICULTURE—LABOR PRODUCTIVITY**
 Efforts of White Russian newspapers to develop the socialist competition of rural toilers, 1953-1958. H. L. Napreeu. *Vestni AN BSSR. Ser. hram. nav.* no. 4:34-46 '62.
- WHITE RUSSIA—APPLE—DISEASES AND PESTS**
 A dangerous apple pest in White Russia. I. A. Gishitskii. *Zashch. rast. ot vred. i bol.* 5 no. 3:55 Mr '60.
- WHITE RUSSIA—BIOCHEMISTRY**
 Study of the geochemical and biochemical provinces in White Russia. S. G. Batulin. *Vop. geog.* no. 59:202-204 '62.
- WHITE RUSSIA—BOOKSELLERS AND BOOKSELLING**
 "Not that way." *Sov. knizh. torg.* 14 no. 12:47 D '62.
- WHITE RUSSIA—BOTANY**
 Some endemic plants in White Russia. N. V. Kozlovskaya. *Bot. zhur.* 47 no. 11:1684-1686 N '62.
- WHITE RUSSIA—CALYMNIA**
 A dangerous apple pest in White Russia. I. A. Gishitskii. *Zashch. rast. ot vred. i bol.* 5 no. 3:55 Mr '60.
- WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION**
 How White Russian workers joined the party after V. I. Lenin's death. V. Daineko. *Komm. Bel.* 36 no. 12:57-62 D '62.
 Kamenskaya, N. V., and M. E. Shkilar. [The Communist Party of White Russia on the glorious path of struggle and victories] *Slavnyi put' bor'by i pobed Kompartii Belorussii; k 60-letiiu KPSS.* Minsk, 1962, 39 p. (Obshchestvo po rasprostraneniю politicheskikh i nauchnykh znanii Belorusskoi SSR, no. 22)
 Let us carry out the decisions of the plenary session of the Central Committee of the CPSU. *Komm. Bel.* 36 no. 12:9-11 D '62.
 "Struggle of the Communist Party of White Russia for its consolidation, 1921-1925" by B. K. Markifanov. Reviewed by A. Khatskevich. *Komm. Bel.* 36 no. 12:70-72 D '62.
- WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
 Miscellaneous. *Komm. Bel.* 36 no. 11:78-79 N '62.
 Strengthen the unity of ideological and organizational work. *Komm. Bel.* 36 no. 11:2-7 N '62.
- WHITE RUSSIA—COMMUNIST YOUTH LEAGUE**
 The glory belongs to you, Communist Youth League! V. Orlov. *Komsom. zhizn'* no. 22:7 N '62.
- WHITE RUSSIA—CONSTRUCTION INDUSTRY**
 In the State Committee on Construction of the White Russian S. S. R. *Biul. stroit. tekhn.* 19 no. 12:36-37 D '62.
- WHITE RUSSIA—EDUCATION**
 Our schools should try to contribute to the economic and social development of the U. S. S. R. S. Umretka. *Nar. osv.* no. 11:9-17 N '62.
- WHITE RUSSIA—EDUCATIONAL RESEARCH**
 All White Russian schools should learn from the experience of progressive teachers. P. Sontsau. *Nar. osv.* no. 12:24-28 D '62.
- WHITE RUSSIA—FARM MECHANIZATION**
 Use the machine tractor depot around the clock. G. Orlov, M. Severnev. *Ekon. sel'khoz.* 34 no. 1:66-71 Ja '63.
- WHITE RUSSIA—FARM MECHANIZATION—STUDY AND TEACHING**
 Studies of mechanization should be developed broadly! *Komm. Bel.* 36 no. 11:8-11 N '62.
- WHITE RUSSIA—FINANCE**
 Exercise a stronger control over enterprises. F. Kokhonorov. *Fin. SSSR* 23 no. 12:26-29 D '62.
- WHITE RUSSIA—FORESTS AND FORESTRY**
 Minsk. *Belorusskii nauchno-issledovatel'skii institut lesnogo khoziaistva.* [Forestry science and practice] *Lesovodstvennaya nauka i praktika.* Minsk, Sel'khozgiz BSSR, 1962, 246 p. (DNAL)
- WHITE RUSSIA—GEOCHEMISTRY**
 Study of the geochemical and biochemical provinces in White Russia. S. G. Batulin. *Vop. geog.* no. 59:202-204 '62.
- WHITE RUSSIA—GEOGRAPHY**
 "Problems of White Russian geography," no. 1. Reviewed by N. E. Rogozin. *Izv. Vses. geog. ob-va* 94 no. 6:534-535 N-D '62.
- WHITE RUSSIA—GEOLOGY, STRATIGRAPHIC**
 Some data on the Pliocene and Early Quaternary in White Russia. M. M. Tsapenko, N. A. Makhnach. *Trudy Kom. chetv. per.* 20:85-91 '62.
- WHITE RUSSIA—HEPATOZOON**
 Distribution of Hepatozoon microti Coles 1914 among the rodents of White Russia. M. I. Dyliko. *Vestni AN BSSR. Ser. biol. nav.* no. 3:133-142 '62.
- WHITE RUSSIA—HISTORY**
 The centenary of the rebellion in the Kingdom of Poland, Lithuania, White Russia, and the right-bank Ukraine in 1863 [with summary in English, pp. 221-222]. I. I. Kostushko. *Vop. ist.* 38 no. 1:86-98 Ja '63.
- WHITE RUSSIA—HYDROELECTRIC POWER**
 Murashko, M. G., and others. [Cadastral survey of water-power resources of the White Russian S. S. R.; potential hydroelectric Belorusskoi SSR; potentsial'nye gidroenergoresursy. Minsk, Izd-vo Akad. nauk BSSR, Vol. 2. [Album of cadastral graphs] *Album kadastrovykh grafikov.* Pod red. T. L. Zolotareva. 1962, 217 p.
- WHITE RUSSIA—INDUSTRIAL BUILDINGS**
 Progressive designing for new industrial buildings in White Russia. I. Fridman. *Arkh. SSSR* no. 12:13-15 '62.
- WHITE RUSSIA—INDUSTRIAL MANAGEMENT**
 Exercise a stronger control over enterprises. F. Kokhonorov. *Fin. SSSR* 23 no. 12:26-29 D '62.
- WHITE RUSSIA—INDUSTRIAL ORGANIZATION**
 Let us carry out the decisions of the plenary session of the Central Committee of the CPSU. *Komm. Bel.* 36 no. 12:9-11 D '62.
- WHITE RUSSIA—IRRIGATION LAWS**
 Codification of the irrigation laws of the White Russian S. S. R. U. M. Bakhurau. *Vestni AN BSSR. Ser. hram. nav.* no. 4:58-70 '62.
- WHITE RUSSIA—LABOR COURTS**
 Let us improve the guidance of fellow workers' courts. *Sov. deput. trud.* no. 6:104 Je '62.
- WHITE RUSSIA—LAND TENURE**
 Shabunina, K. I. [The agrarian problem and peasant movement in White Russia during the Revolution of 1905-1907] *Agrarnyi vopros i krest'ianskoe dvizhenie v Belorussii v revoliutsii 1905-1907* gg. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962, 434 p.
- WHITE RUSSIA—MACHINE-TOOL INDUSTRY**
 Important condition for reducing incomplete production. M. Radetski. *Plan. khoz.* 49 no. 1:73-74 Ja '63.
- WHITE RUSSIA—MACHINERY INDUSTRY**
 Basic condition for the growth of labor productivity. D. Grebennikov. *Komm. Bel.* 36 no. 12:37-40 D '62.
 "Specialization and cooperation in the machinery industry of the White Russian S. S. R." by E. K. Kasperovich. Reviewed by O. Sitnikov. *Komm. Bel.* 36 no. 11:72-74 N '62.
- WHITE RUSSIA—OFFICE MANAGEMENT**
 The most important duty of Communists in offices. V. Bukevich. *Komm. Bel.* 36 no. 11:29-34 N '62.
- WHITE RUSSIA—ORPHANS AND ORPHANAGES**
 She will always remember these children. Alena Vasilovich. *Rab. i stal.* 38 no. 5:10-11 My '62.
- WHITE RUSSIA—PALYNOLOGY**
 Some data on the Pliocene and Early Quaternary in White Russia. M. M. Tsapenko, N. A. Makhnach. *Trudy Kom. chetv. per.* 20:85-91 '62.
- WHITE RUSSIA—PARASITES—RODENTIA**
 Distribution of Hepatozoon microti Coles 1914 among the rodents of White Russia. M. I. Dyliko. *Vestni AN BSSR. Ser. biol. nav.* no. 3:133-142 '62.
- WHITE RUSSIA—PIONEERS (COMMUNIST YOUTH)**
 Brief news. *Nar. osv.* no. 12:88-89 D '62.
 Who lit the first bonfire? V. Marozau. *Rab. i stal.* 38 no. 5:9-10 My '62.
- WHITE RUSSIA—PLANTS, PROTECTION OF**
 Pests occurring in large masses are exterminated in White Russia. T. T. Bezdenko. *Zashch. rast. ot vred. i bol.* 2 no. 6:11-14 N-D '57.
- WHITE RUSSIA—PRINTING**
 History of White Russian printing, from the 16th century to 1917. T. S. Harbunou. *Vestni AN BSSR. Ser. hram. nav.* no. 4:83-84 '62.
- WHITE RUSSIA—RAILROADS—TRAIN DISPATCHING**
 Use new methods in organizing the work of train dispatchers. S. E. Beresnev. *Zhel. dor. transp.* 54 no. 12:77 D '62.
- WHITE RUSSIA—RED CROSS**
 History of the White Russian Society of the Red Cross and its initial activity (1921-1925). A. V. Petrova. *Zdrav. Bel.* 8 no. 12:74-78 D '62.
- WHITE RUSSIA—RETAIL TRADE—AUDITING AND INSPECTION**
 There should be an auditing department. D. Shafar, N. Zakhar'evich. *Sov. torg.* 30 no. 11:32-33 N '62.
- WHITE RUSSIA—REVOLUTION OF 1905**
 Shabunina, K. I. [The agrarian problem and peasant movement in White Russia during the Revolution of 1905-1907] *Agrarnyi vopros i krest'ianskoe dvizhenie v Belorussii v revoliutsii 1905-1907* gg. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962, 434 p.
- WHITE RUSSIA—REVOLUTION, 1917-1921**
 Gorbunov, T. S. [V. I. Lenin as the creator of the White Russian Soviet socialist state] V. I. Lenin - azovatel' Belorusskogo Sovetskogo sotsialisticheskogo gosudarstva. Minsk, 1962, 31 p. (Obshchestvo po rasprostraneniю politicheskikh i nauchnykh znanii Belorusskoi SSR, no. 23)
- WHITE RUSSIA—RUSSIAN LANGUAGE—STUDY AND TEACHING**
 Free composition. *Nar. osv.* no. 11:80-83 N '62.
 Studying the pronoun in the fourth grade of White Russian schools in Russian and White Russian language classes. M. Emel'ianchik. *Nar. osv.* no. 12:35-38 D '62.
- WHITE RUSSIA—RUSSIAN NEWSPAPERS**
 The Bolshevik newspaper "Pravda" in White Russia. A. F. Khatskevich, V. R. Izhlaiko. *Vestni AN BSSR. Ser. hram. nav.* no. 4:129-130 '62.
- WHITE RUSSIA—SPORTS**
 Kulinkovich, K. A. [Gold medals won by White Russian sportsmen] *Zolotoye medali belorusskikh sportsmenov.* Minsk, 1962, 41 p. (Obshchestvo po rasprostraneniю politicheskikh i nauchnykh znanii Belorusskoi SSR, no. 21)
- WHITE RUSSIA—STATE FARMS**
 Strengthening the local party organizations on the state farms of the White Russian S. S. R. and improving the training of state farm officials and employees, 1956-1961. V. I. A. Leshchepka. *Vestni AN BSSR. Ser. hram. nav.* no. 4:47-50 '62.
- WHITE RUSSIA—TEACHING**
 Successful teaching depends on teachers. *Nar. osv.* no. 12:8-14 D '62.
- WHITE RUSSIA—TECHNICAL EDUCATION**
 Let's continually improve secondary specialized education. M. V. Doroshovich. *Sred. spets. obr.* D no. 11:2-8 N '62.
- WHITE RUSSIA—TECHNOLOGICAL INNOVATIONS**
 Good initiative of the engineers of the White-Russian Economic Council. S. Fomenkov. *NTO* 4 no. 11:22-23 N '62.
- WHITE RUSSIA—TEXTILE INDUSTRY**
 Specialization, redistribution of assortments among enterprises, and production calculation. V. A. Mukhina. *Tekst. prom.* 22 no. 12:4-7 D '62.
- WHITE RUSSIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**
 "Regions and zones of the guerrilla movement" by A. I. Zaloski. Reviewed by A. Platon. *Nar. osv.* no. 11:87-89 N '62.
- WHITE RUSSIAN ABBREVIATIONS** see Abbreviations, White Russian
- WHITE RUSSIAN LANGUAGE—MORPHOLOGY**
 How to study the theme "The noun." M. Shashchik. *Nar. osv.* no. 12:50-67 D '62.
 Some problems and principles concerning the preparation of a dictionary of White Russian morphemes. A. Har-dovich. *Nar. osv.* no. 12:68-74 D '62.
- WHITE RUSSIAN LANGUAGE—SENTENCES**
 Complex sentences with the designation of time. A. I. A. Bakhankou. *Vestni AN BSSR. Ser. hram. nav.* no. 4:106-117 '62.
- WHITE RUSSIAN LANGUAGE—STUDY AND TEACHING**
 Lessons in Russian and White Russian languages. V. Ivanou. *Nar. osv.* no. 11:47-50 N '62.
- WHITE RUSSIAN NEWSPAPERS**
 Efforts of White Russian newspapers to develop the socialist competition of rural toilers, 1953-1958. H. L. Napreeu. *Vestni AN BSSR. Ser. hram. nav.* no. 4:34-46 '62.

WHITE RUSSIAN PERIODICALS

A periodical which tries to keep in step with our time.
Ianka Skryhan. Komm. Bel. 38 no. 12:73 D '62.

WHITE RUSSIAN SINGERS see Singers, White Russian

WHITE SEA—ALGAE

Materials on the distribution of bottom vegetation in the region of the White Sea Biological Station of the Moscow State University. E. I. Blinova. Trudy Belomor. biol. sta. MGU 1:22-34 '62.

WHITE SEA—AMPHIPODA

Species of Amphipoda new for the fauna of the White Sea. R. I. A. Margulis. Trudy Belomor. biol. sta. MGU 1:143-145 '62.

WHITE SEA—BENTHOS

Materials on the distribution of bottom vegetation in the region of the White Sea Biological Station of the Moscow State University. E. I. Blinova. Trudy Belomor. biol. sta. MGU 1:22-34 '62.

WHITE SEA—COPEPODA

Materials on the fauna of Harpacticoida (Crustacea, Copepoda) of the Velikaya Salma Strait and adjacent regions of the White Sea. V. A. Brotskaja. Trudy Belomor. biol. sta. MGU 1:109-129 '62.

WHITE SEA—FORAMINIFERA

Foraminifera in the bays of the White Sea. Z. G. Shchedrina. Trudy Belomor. biol. sta. MGU 1:51-69 '62.

WHITE SEA—FUNGI

Marine fungi of the White Sea [with summary in English]. A. A. Alim. Bot. zhur. 47 no. 11:1582-1605 N '62.

WHITE SEA—GASTROPODA

Pelagic larvae of Gastropoda in the vicinity of the White Sea Biological Station of the Moscow State University. S. A. Mileikovskii. Trudy Belomor. biol. sta. MGU 1:171-200 '62.

WHITE SEA—INVERTEBRATES

Conducting immunobiological research on invertebrates at the White Sea Biological Station. O. E. Vinzov and others. Trudy Belomor. biol. sta. MGU 1:262-280 '62.

WHITE SEA—MARINE BIOLOGY—RESEARCH

White Sea Biological Station of the Moscow State University. N. A. Pertsov. Trudy Belomor. biol. sta. MGU 1:7-21 '62.

WHITE SEA—NUDIBRANCHIATA

Nudibranchiata of the White Sea in the region of the White Sea Biological Station of the Moscow State University. I. S. Roginskaja. Trudy Belomor. biol. sta. MGU 1:88-100 '62.

Spawn of Nudibranchiata of the White Sea. I. S. Roginskaja. Trudy Belomor. biol. sta. MGU 1:201-214 '62.

WHITE SEA—PECTINIBRANCHIATA

Biology of the reproduction of Littorina littorea (L.) in the White Sea. M. A. Rubinchik. Trudy Belomor. biol. sta. MGU 1:215-230 '62.

WHITE SEA—SPIONIDAE

Pelagic larvae of the family Spionidae (Polychaeta) of the White Sea. V. A. Sveshnikov. Trudy Belomor. biol. sta. MGU 1:146-170 '62.

WHITE SEA REGION—CYRTOLITE

Cyrtolites from pegmatites of the northwestern White Sea region. L. N. Rudovskaja. Trudy IMGRE no. 8: 212-210 '62.

WHITE SEA REGION—PEGMATITES

Cyrtolites from pegmatites of the northwestern White Sea region. L. N. Rudovskaja. Trudy IMGRE no. 8: 212-210 '62.

WHITEFISHES see subdivision under Adzharia; Leningrad region; Vilyuy Valley

WHOLESALE TRADE see subdivision under Brest Province; Poltava Province

WILD OATS see subdivision under Tselinograd Province

WILDLIFE, CONSERVATION OF

Answers to our mail or the final paragraph of our article on "bugs..." Leonid Leonov, Boris Rabinin. Nauka i zhizn' 20 no. 11:34-36 N '62.

WILLEMSE, CORNELIUS, 1889-1902

In memory of Dr. Cornelius Willemse. G. I. A. Bel-Bienko. Ent. oboz. 41 no. 4:951 '62.

WILLIAMS, JOHN, 1940-

King of the guitar. B. Dobrokhotoy. Sov. muz. 28 no. 12:97-98 D '62.

WILNO see Vilnius

WINCHES

Automatic scraper winch 55LAS. V. N. Makashov, V. M. Slupitskii. Gor. zhur. no. 5:56-58 My '62.

Cranes or winches? S. G. Milov. Les. prom. 40 no. 10:18-19 O '62.

WIND PRESSURE

Measuring the intensity of wind head and eliminating its effect on the functioning of gas appliances. V. V. Vinogradov. Shor. nauch. rab. AKKH no. 9:106-116 '61.

WINDBREAKS, SHELTERBELTS, ETC.

(see also subdivision under Novosibirsk Province)

It is necessary to modify the arrangement of protective tree belts. N. T. Makarychev. Put' i put. khoz. 6 no. 11:41-43 '62.

Mallakin, G. I., V. D. Prikladin, and Z. A. Prokhorova. [Tree belts for snow protection] Snegozashchitnye lesnye poloy. Moskva, Avtotransizdat, 1962. 77 p.

WINDING MACHINES

Reducing the silk winding density in the BP-12 bobbin winding machines. V. L. Zamskii, V. S. Khomylov, V. A. Dubinin. Khim. volok. no. 6:52-53 '62.

WINDOWS—STANDARDS

Technical requirements for windows and doors. N. Kozlov. Zhil. stroit. no. 12:15-16 '62.

WINDS see subdivision under Kara Kum; Peschanyy Island

WINE

Use of stilbazole in the photocolometric determining of aluminum in wine and juices. E. V. Zolov, M. S. Shchelkunova. Trudy MNIPP 1:137-140 '61.

WINE—ANALYSIS

Using the electrophoresis method for determining the washing away of epoxy resin from the protective coatings of wine vessels. V. A. Shmeleva, A. V. Zolov, M. S. Shchelkunova. Lakokras. mat. i ikh prim. no. 5:50-52 '62.

WINE AND WINE MAKING

(see also subdivision under Alma-Ata Province; Georgia)

Russia (1917- R. S. F. S. R.) Upravlenie pishchevot promyshlennosti. [Technical specifications for making the new sparkling beverages with low-alcohol content and desert-type wines from corn must] Tekhnicheskaya dokumentatsiya po proizvodstvu novykh slabookogol'nykh i gristnykh napitkov i desertnogo vina iz kukuruznogo syr'ya. [Moskva] Gosmestpromizdat, 1962. 33 p.

WINTER

Day in winter. L. Kashirin. IUn. nat. no. 12:13 D '62.

Ha!l, winter dear! G. Skrebitskii. IUn. nat. no. 1:13-15 Ja '63.

WINTER SPORTS see subdivision under Switzerland

WIRE BROADCASTING see subdivision under Moscow

WIRE DRAWING—EQUIPMENT AND SUPPLIES

Strength of rotating drawing dies. G. D. Polosaitkin. Izv. vyz. ucheb. zav. mashinostr. no. 7:169-171 '62.

WIRE NETTING

Fabric made of metal. I. Odina. Nauka i zhytla 12 no. 0:17 S '62.

WIRE ROPE

Use of ropes on excavators with linear contact of the wires in strands. P. I. Khromov and others. Gor. zhur. no. 5:41-42 My '62.

WIRE ROPE—TESTING

Fatigue testing machine for steel wire rope. B. N. Dorodnykh. Zav. lab. 28 no. 12:1522 '62.

WIRE-ROPE TRANSPORTATION see Cableways

WIRELESS OPERATORS see Radio operators

WIREWORMS

Applying new insecticides in controlling corn pests [in Latvian with summary in English]. J. Cinovskis, K. Jegina. Izv. AN Latv. SSR no. 4:103-107 '61.

WIREWORMS—EXTERMINATION

(see also subdivision under Cherkassy Province; Rostov Province)

What the experiments of the Corn Institute tell. G. A. Andreeva. Zashch. rast. ot vred. i bol. 5 no. 5:30-31 My '60.

WOMEN

(see also subdivision under Basutoland; Ceylon; Daghestan; France; Ghana; Portugal; Spain; Turkey; Ukraine; Yemen)

News from everywhere. Zhen. mira no. 2:5 '62.

News from everywhere. Zhen. mira no. 5:4-5 '62.

News from everywhere. Zhen. mira no. 7:4-5 '62.

News from everywhere. Zhen. mira no. 10:4-5 '62.

News from everywhere. Zhen. mira no. 11:4-5 '62.

WOMEN—CONGRESSES

From Lapland to the Alps... Renate Urban. Zhen. mira no. 10:10, 34 '62.

On the eve of the World Congress of Women. Zhen. mira no. 10:27 '62.

On the eve of the World Congress of Women. Zhen. mira no. 11:34 '62.

She gives life. Zhen. mira no. 11:17-20 '62.

The World Forum of Women will take place in Brussels. Emilienne Brunaut. Zhen. mira no. 10:8-9 '62.

WOMEN—EMPLOYMENT

(see also subdivision under United States)

The committee on female labor. Monique Paria. Vsem. prof. dvizh. no. 12:42-44 D '62.

Pay for maternity leave. R. Khmel'nitskaya. Sem'ia i shkola 17 no. 12:43 D '62.

WOMEN—HEALTH AND HYGIENE

Vitamins in a woman's daily life. H. A. Ketz. Zhen. mira no. 4:21-22 '62.

WOMEN—RIGHTS OF WOMEN see subdivision under Mali

WOMEN—SOCIETIES AND CLUBS see subdivision under Cuba; Daghestan; Vitebsk

WOMEN—SOCIAL AND MORAL QUESTIONS

Are we second-grade people? O. Ivanova and others. Sem'ia i shkola 18 no. 1:17-18 Ja '63.

WOMEN, NEGRO see subdivision under South Africa, Republic of

WOMEN AND PEACE

(see also subdivision under Chile; Italy)
Delegates to the World Congress for General Disarmament and Peace choose "a chain reaction to life." Yvonne Quilès. Zhen. mira no. 9:6-10 '62.

Letters to the editor. Zhen. mira no. 11:5, 34 '62.

The peaceful conquest of Geneva. Elfi Steinman. Zhen. mira no. 7:18-10 '62.

A trip to Berlin, capital of the German Democratic Republic. Zhen. mira no. 2:20-22 '62.

What can women do to prevent war. Olga Chachetkina. Zhen. mira no. 0:4-5 '62.

The world gathering of women for disarmament. Yvonne Quilès. Zhen. mira no. 5:16-17 '62.

WOMEN AS LAWYERS

Organization of the "Committee of Soviet Women Lawyers." Izv. vyz. ucheb. zav. prav. 6 no. 4:185-186 '62.

WOMEN AS PHYSICIANS

A physician's warm heart and skilled hands. Tamara Tsulakidze. Rab. i slal. 38 no. 12:8-9 D '62.

WOMEN AS TRACTOR OPERATORS see subdivision under Uzbekistan

WOMEN IN AGRICULTURE

(see also subdivision under Brazil)

We shall carry out the decisions of the plenary session. Malina Adau'ka and others. Rab. i slal. 38 no. 5:8-7 My '62.

WOMEN IN LITERATURE

A. P. Chekhov on the fate of the Russian women. I. Zhuravleva. Uch. zap. Kulb. gos. ped. inst. no. 37:56-53 '62.

WOMEN IN POLITICS see subdivision under Spain

WOMEN IN PUBLIC LIFE see subdivision under Comel'

WOMEN'S PERIODICALS

(see also subdivision under Czechoslovakia)

Letters to the editor. Zhen. mira no. 4:5 '62.

Letters to the editor. Zhen. mira no. 5:5, 20 '62.

Letters to the editor. Zhen. mira no. 7:5, 34 '62.

Letters to the editor. Zhen. mira no. 10:5, 34 '62.

Letters to the editor. Zhen. mira no. 11:5, 34 '62.

WOOD

Characteristics of the gluing of plastics with wood. V. M. Khrulev. Der. prom. 11 no. 12:14-15 D '62.

WOOD—CHEMISTRY

Forest and chemistry. A. Kalins. Nauka i zhytla 12 no. 7:18-19 Ji '62.

WOOD—PRESERVATION

Improving the properties of wood affected by rotting. O. I. Polubotarinov, G. P. Plotnikova. Der. prom. 11 no. 12:8-9 D '62.

WOOD—STANDARDS

"Forest materials. Products and elements made of wood." Blul. stroit. tekhn. 19 no. 12:4-5 D '62.

WOOD, COMPRESSED

Compressed wood as a substitute for nonferrous metals. B. S. Stasin, V. I. Gruzov, M. I. Vinnik. Les. prom. 40 no. 11:23-25 N '62.

Khukhrinskii, P. N. [Using compressed wood in the manufacture of machine parts] Opyt primeneniya pressovannoi drevesiny dlia izgotovleniya detalей mashin. Moskva, Gos. nauchno-issl. in-t nauchn. i tekhn. informatsii, 1962. 84 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt)

[MICROFILM]

- WOOD, COMPRESSED (Continued)**
 Manufacture of compressed articles from wood shavings (from "Holztechnik," No. 3, 1962). Der.prom. 11 no. 12:30-31 D '62.
 Method of compressing round-shaped wood dimensions having high initial moisture content. B. I. Ogarkov, V. I. Krivetskii, Der.prom. 11 no. 12:17-18 D '62.
- WOOD, COMPRESSED—TESTING**
 Effect of the specific pressure, time and temperature of compression on the physicochemical characteristics of piezochromic thermoplastics. Der.prom. 11 no. 12:10-13 D '62.
- WOOD CARVING, SPANISH**
 A Spanish statue from the 17th century in the A. S. Pushkin State Museum of Fine Arts. K. M. Malitskaya. Sobr. GMI [no. 1], 45-48 '60.
- WOOD-DECAYING FUNGI**
 Chemical and spectrophotometric characteristics of water-soluble huminlike compounds formed by the fungus *Inonotus obliquus* (Pers.) Pil. [with summary in English]. A. N. Shvirina. Pochvovedenie no. 11: 51-60 N '62.
Inonotus obliquus and its economic importance. I. V. Sinandskii. Les.khoz. 15 no. 11:25-27 N '62.
- WOOD FINISHING**
 Ryzhova, N. A., and I. A. Dvoirina. [Finishing of wood particle boards] Otdelka struzhechnykh plit. Moskva, Tsentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatvayushchei promyshl., 1962, 33 p.
- [MICROFILM]
- WOOD PRESERVATIVES—STANDARDS**
 "Materials for protecting wooden elements from rot, injury from borers and catching fire." Biul. stroit. tekhn. 19 no. 12:6-7 D '62.
- WOOD WASTE**
 Hard slabs without binding materials from logging waste. S. Jonaitis. Les.prom. 40 no. 12:16-17 D '62.
 Lumbering waste as technological raw material. L. I. Kacheikin, V. M. Cherezova, V. I. Bukharkin. Les. prom. 40 no. 11:21-23 N '62.
 Physicochemical study of calcified sawdust. S. L. Rapoport, Uch. zap. Volg. gos. ped. inst. no. 11:118-125 '59.
 Using defective aspen. O. I. Polubol'arinov, L. E. Chivikatin. Les.prom. 40 no. 10:21-22 O '62.
- WOODPULP**
 (see also subdivision under Canada)
 Bleaching of hardwood pulp. I. A. Nagrodskii, V. P. Beliaeva. Bum.prom. 37 no. 12:9-11 D '62.
 Complexometric method of determining calcium content of woodpulp. A. L. Kuritskii, E. P. Mielurova. Trudy VNIIB no. 47:95-102 '61.
 Effect of the cooking conditions of reed semichemical pulp on its quality. N. I. Malakhova, A. A. Zagorul'ko, L. F. Pozhidaeva. Bum.i der.prom. no. 4:25-28 O-D '62.
 Effect of the degree of woodpulp grinding and of the various processes on the quality of the parchment. F. I. Korchemkin. Trudy VNIIB no. 47:88-94 '61.
 Laboratory control methods of the processes of acids preparation and pulp cooking in case of the use of ammonium as base. I. A. Khristuk, M. A. Burenin. Trudy VNIIB no. 47:64-68 '61.
 Manufacture of sulfite pulp from hardwoods. M. G. Elashberg. Bum.prom. 37 no. 12:4-8 D '62.
 Production of highly refined pulp by means of the sulfite-sulfate cooking process. I. N. Nopenin, P. A. Demchenkov, G. A. Pazukhina. Trudy VNIIB no. 47: 38-49 '61.
 Reducing silicic acid content in the sulfate cooking of reed. K. A. Dolgov. Bum.i der.prom. no. 4:21-23 O-D '62.
 Selecting the system of indirect regulation of the quality of the groundwood produced by the grinder. R. I. Sosnovskii. Trudy VNIIB no. 47:151-159 '61.
 Some problems in the bleaching of woodpulp. F. P. Komarov and others. Trudy VNIIB no. 47:76-85 '61.
 Use of SO₂ aqueous alcohol solutions for the delignification of various wood species. S. F. Primakov. Trudy VNIIB no. 47:69-75 '61.
- WOODPULP—TESTING**
 Active acidity in sulfite cooking. N. A. Rozenberger, Z. S. Napkhanenko. Trudy VNIIB no. 47:10-37 '61.
- WOODPULP INDUSTRY**
 (see also subdivision under Finland)
 Generalization of the experience in the production and consumption of chemical woodpulp. I. A. Rachkovskaya. Trudy VNIIB no. 47:166-179 '61.
 Introduce the use of hardwood in woodpulp production with more confidence. Bum.prom. 37 no. 12:1-2 D '62.
 Manufacture of neutral sulfite semichemical woodpulp from hardwoods in Japan, England and Italy. V. N. Maltutin. Bum.prom. 37 no. 12:20-25 D '62.
- Technical and economic prerequisites in the production of the new types of bleached sulfate pulp. N. D. Khramtseva. Trudy VNIIB no. 47:160-165 '61.
 Urgent problems of the technology of sulfite woodpulp production. S. A. Puzyrev. Trudy VNIIB no. 47:3-9 '61.
- WOODPULP INDUSTRY—BY-PRODUCTS**
 New ion exchange process of base reclaiming (from "Paper Trade Journal," no. 27, 1961). A. I. Saf'lan. Bum.i der.prom. no. 4:88 O-D '62.
 Semichemical woodpulp for the manufacture of corrugated container board and the protein yeast. N. A. Rozenberger. Bum.prom. 37 no. 12:26-29 D '62.
 Utilization of black liquor wastes from woodpulp production. N. A. Lutsenko and others. Bum.i der.prom. no. 4:24-25 O-D '62.
- WOODPULP INDUSTRY—RESEARCH**
 Bleached aspen sulfite woodpulp in papermaking. N. E. Trukhtenkova, D. L. Kopetskaia, N. E. Pirsanova. Bum.prom. 37 no. 12:11-16 D '62.
 Experimental manufacture of woodpulp from aspen. B. A. Ovchinnikov, L. P. Kuteinikova. Bum.prom. 37 no. 12:18-20 D '62.
 Technical and economic advantages of the use of hardwoods. S. A. Puzyrev. Bum.prom. 37 no. 12:3-4 D '62.
- WOODWORK**
 Gluing of wood with domestic rubber adhesives. A. S. Freidin, V. I. Oves. Der.prom. 11 no. 12:7-8 D '62.
- WOODWORK—EQUIPMENT AND SUPPLIES**
 Mechanization of heavy operations in the woodworking shop. I. S. Marasnov. Sudostroenie 28 no. 10:55-57 O '62.
- WOODWORK (MANUAL TRAINING)**
 Studying the technological characteristics of timber in the seventh grade. A. Pechurenka. Nar. osv. no. 11: 61-67 N '62.
- WOODWORK (MANUAL TRAINING)—STUDY AND TEACHING**
 Accuracy of the elements of tenon joints made by sixth and seventh-grade students. P. M. Korliakov. Doid. APN no. 1:25-28 '62.
- WOODWORKING INDUSTRIES**
 Consolidate and specialize the production of wooden structural elements and parts. G. Kolomain. Na stroit. Ros. no. 12:19-21 D '61.
 Let's secure good-quality and economical wood products for the construction industry. Der.prom. 11 no. 12: 1-2 D '62.
- WOODWORKING INDUSTRIES—BIBLIOGRAPHY** see Bibliography—Woodworking Industries
- WOODWORKING INDUSTRIES—SAFETY MEASURES**
 Soizh rabochikh lesnoi, bumazhnoi i derevobrabatvayushchei promyshlennosti SSSR. [Regulations on safety measures and industrial hygiene in the woodworking industry] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii v derevobrabatvayushchei promyshlennosti. Moskva, Goslesbuzhizdat, 1961. 138 p.
- WOODWORKING MACHINERY**
 (see also subdivision under Germany, East)
 Chisel attachment for cutting out mortise quarters in chair frames. M. P. Goren'kov. Der.prom. 11 no. 12:22-23 D '62.
 Double-saw Ts2K-180 trimmer. B. N. Antonuk. Bum. i der.prom. no. 4:20 O-D '62.
 Multiple-bit vertical (attachable) boring machine. N. K. Kirpenev. Der.prom. 11 no. 12:24 D '62.
- WOODWORKING MACHINERY—TESTING**
 Testing the DU-2 cylinder chipper developed by the Central Scientific Research Institute for Mechanization and Power Engineering in the Forest Industry. N. M. Val'shchikov. Der.prom. 11 no. 12:18-20 D '62.
- WOODY PLANTS**
 (see also subdivision under Dushanbe)
 Ivanenko, B. I. [Phenology of trees and shrubs] Fenologiya drevessnykh i kustarnikovykh porod. Moskva, Sel'khozizdat, 1962. 182 p.
 Seed structure of some woody plants [with summary in English]. G. P. Belostokov. Bot. zhur. 47 no. 11:1611-1629 N '62.
- WOODY PLANTS—DISEASES AND PESTS**
 Brezhnev, I. E., G. R. Ibragimov, and V. I. Potlatchuk. [Guide to fungi occurring on the fruit and seeds of trees and shrubs] Opredelitel' grzybiv na plodakh i semenakh drevessnykh i kustarnikovykh porod. Moskva, Sel'khozizdat, 1962. 414 p. (DNAL)
- WOOL**
 Effect of feeding sodium sulfate on the productivity of sheep and the physicochemical characteristics of wool. I. A. Makar. Nauk. praisi Nauk. -dosl. inst. zem. i tvar. zakh. raioniv. URSR 14 no. 4:48-65 '61.
- WOOL CARDING**
 Continuous production line for the production of woolen slubbing for felt manufacture. A. V. Rezviakov, F. I. Kuzmichev, T. A. Alekseeva. Tekst.prom. 22 no. 12: 66-69 D '62.
- WOOL INDUSTRY**
 Salkhov, S. B., and L. A. Skiba. [Economic effectiveness of the new technology in the wool industry] Ekonomicheskaya effektivnost' novoi tekhniki v sherstianoi promyshlennosti. Moskva, Rostekhlzdat, 1962. 245 p.
- WOOLEN AND WORSTED MANUFACTURE**
 Assortment of woolen fabrics and possibilities of their manufacture on looms with plate web transfer. T. S. Akimov. Tekst.prom. 22 no. 12:30-34 D '62.
- WORK**
 Communism and labor are inseparable. V. Prudnikov. Part. zhizn' [Uzb.] 5 no. 11:89-94 N '62.
 Communist moral education in the labor process. V. Vikritskii. Polit. samobor. 6 no. 11:42-51 N '62.
 Ljapun, A. P. [Communist labor and communism] Oshcheshchivnyi trud i kommunizm. Moskva, Ekonomizdat, 1962. 157 p.
 Two worlds and their different attitudes toward work. I. P. Naumova. Vop. filos. 17 no. 1:15-23 '63.
- WORK CLOTHES**
 New norms for the distribution of work clothes. M. I. Osipov. Grazhd. av. 12 no. 2:35 F '65.
- WORKS COUNCILS** see subdivision under Nizhny Novgorod Government
- WORLD COUNCIL OF CHURCHES**
 Sojourn in the U. S. S. R. of a group of theologians of the department "Faith and Church Organization" of the World Council of Churches. V. Stolkov. Zhur. Mosk. Patr. no. 11:30-33 N '62.
- WORLD FEDERATION OF TRADE UNIONS**
 With Cuba against the American imperialists. Vsem. prof. dvizh. no. 12:17-18 D '62.
- WORLD HISTORY**
 Akademiya nauk SSSR. [World history in ten volumes] Vsemirnaya istoriya v desyati tomakh. Glav. red. E. M. Zhukov i dr. Moskva, Izd-vo sotsial'no-ekon. lit-ry. Vol. 9. [1824-1939] Pod red. L. I. Zuboka (otv. red.), A. M. Dubinskogo, G. N. Sevost'yanova. 1962. 748 p.
- WORLD POLITICS**
 Akademiya nauk SSSR. Istoriya narodov Azii. [Against the distortion of the history of colonialism] Protiv fal'sifikatsii istorii kolonializma. Moskva, Izd-vo vostoknoi lit-ry, 1962. 227 p.
 Along Lenin's road toward communism. Vop. filos. 17 no. 1:3-14 '63.
 Anniversary of the Fifth World Trade-Union Congress. Petr Pimenov. Vsem. prof. dvizh. no. 12:1-3 D '62.
 Attacks on Afro-Asian neutralism. Ov. Meiklan, I. A. Ellinger. Mezhdunar. zhizn' 10 no. 3:20-28 Mr '63.
 Brief news on international events. Nov. vrem. 20 no. 1:32 Ja '63.
 Brief news on international events. Nov. vrem. 20 no. 2:34 Ja '63.
 Brief news on international events. Nov. vrem. 20 no. 3:32 Ja '63.
 Brief news on international events. Nov. vrem. 20 no. 4:30 Ja '63.
 Brief news on international events. Nov. vrem. 20 no. 5:32 F '63.
 Brief news on international events. Nov. vrem. 20 no. 6:32 F '63.
 Brief news on international events. Nov. vrem. 20 no. 7:36 F '63.
 Brief news on international events. Nov. vrem. 20 no. 8:32 F '63.
 Colonial wars in the second and third stage of the general crisis of imperialism. Mezhdunar. zhizn' 10 no. 2:143-145 F '63.
 "Come East, young man!" Wilfred Burchett. Nov. vrem. 20 no. 1:32 Ja '63.
 Congress of veterans. S. K. Timoshenko. Nov. vrem. 20 no. 3:9 Ja '63.
 Entering the year 1963. Az. i Afr. seg. no. 1:2 Ja '63.
 International commentary. K. Ivanovskii and others. Mezhdunar. zhizn' 10 no. 2:112-123 F '63.
 International notes. Nov. vrem. 20 no. 1:21-22 Ja '63.
 International notes. Nov. vrem. 20 no. 2:22-24 Ja '63.
 International notes. Nov. vrem. 20 no. 3:22-24 Ja '63.
 International notes. Nov. vrem. 20 no. 4:20-22 Ja '63.
 International notes. Nov. vrem. 20 no. 5:22-24 F '63.
 International notes. Nov. vrem. 20 no. 6:22-24 F '63.
 International notes. Nov. vrem. 20 no. 7:26-28 F '63.
 International notes. Nov. vrem. 20 no. 8:23-25 F '63.
 Juvenile press review. Mol. mira no. 11/12:29-32 '61.

WORLD POLITICS (Continued)

Liberation wars and diplomacy. V. Matveev. Mezhdunar. zhizn' 10 no.3:93-99 Mr '63

Methodological advice on the content and methods of preparing lectures on the topic: "International review." Mezhdunar. zhizn' 10 no.2:158-160 F '63.

The most important thing. Sovremennik. Nov.vrem. 20 no.2:1-3 Ja '63.

New stage, new difficulties, and new tasks. Sovremennik. Nov. vrem. 20 no.6:4-5 F '63.

News from the whole world. Jiri Plachetka and others. Mezhdunar. zhizn' 10 no.3:116-122 Mr '63.

Olizerman, T.I. [Anticommunism is a manifestation of the crisis in bourgeois ideology] Antikommunizm - vyrazhenie krizisa burzhuaznoi ideologii. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike, II Seriya: Filosofiya, no.2)

Politics and arithmetic. B. Leont'ev. Nov. vrem. 20 no.1:16-17 Ja '63.

Problems of the International Labor and National Liberation Movement. Vest AN SSSR 33 no.1:102-105 Ja '63.

Scalene triangle. V. Nekrasov. Kommunist 39 no.3: 100-105 F '63.

The triumphant banner of the October Revolution. Komm. Uz. 34 no.11:3-12 N '62.

What are the weaknesses of the Inter-Parliamentary Union. I.V. Spiridonov. Nov.vrem. 20 no.2:10-14 Ja '63.

Which way will develop the Bon-Paris "axis." N. Polianov. Kommunist 39 no.3:106-112 F '63.

World politics in the first month of 1963. V. Gantman and others. Kommunist 39 no.2:86-94 Ja '63.

The year 1963. Nov. vrem. 20 no.1:1-3 Ja '63.

WORLD WAR, 1939-1945

(see also subdivision under Baltic Sea; Belgium; Caucasus; Chernigov Province; Germany; Kerch Peninsula; Leningrad; Lithuania; Moscow; Poland; Polesye; Sweden; Tajikistan; Transcaucasia; Tula; Ukraine; Ulyanovsk Province; Voronezh Province; White Russia)

Congress of veterans. S.K. Timoshenko. Nov. vrem. 20 no.3:8 Ja '63.

For a captured informant. M. Novigatskii. Voen. znan. 30 no.1:7 Ja '63.

In night combat. A. Surechenko. Voen. znan. 30 no.1: 12-13 Ja '63.

"Russian workers in the early period of the Great Patriotic War" by A. V. Mitrofanova. Reviewed by I. IA. Marchenko, V. F. Ramanovskii. Vest AN BSSR. Ser. human. nav. no.4:124-128 '62.

They were the first. N. Afanas'ev. Voen. znan. 30 no.1:9-10 Ja '63.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Carrying out the order of our country. A. Zaitsev. Av. i kosm. 45 no.1:75-78 Ja '63.

Heroes of a squadron. B. Monastyrskii. Sov. voen. 45 no.1:30-31 Ja '63.

WORLD WAR, 1939-1945—ATROCITIES

Ulevskii, B.S. [Crimes of the Hitlerites against the civilian population] Prostuplenia gitterovskov protiv mirnogo naseleniia. Pod red. N. M. Rychkova. Moskva, 1948. 46 p. (NIC)

WORLD WAR, 1939-1945—CAMPAIGNS

Submachine gun No. VL-8543. Voen. znan. 30 no.1:17 Ja '63.

WORLD WAR, 1939-1945—CHILDREN

Seventeen years later. Kastus' Zubenia. Rnb. i stal. 38 no.5:15 My '62.

WORLD WAR, 1939-1945—DIPLOMATIC HISTORY

The United States and the Soviet negotiations of 1939 with England and France [with summary in English]. p. 221]. V. I. Popov. Vop. ist. 38 no.1:86-85 Ja '63.

WORLD WAR, 1939-1945—ECONOMIC ASPECTS

Morekhina, G.G. [Contribution of the working class to the front; the deeds of the laboring class of the U.S.S.R. during the years of the Great Patriotic War, 1941-1945] Rabochii klass - frontu; podvig rabochego klassa SSSR v gody Velikoi Otechestvennoi voyny, 1941-1945. Moskva, Sotssekgiz, 1962. 479 p. (CSt-II) (MH)

WORLD WAR, 1939-1945—ENGINEERING AND CONSTRUCTION

Korney, A.S. [They came from civil life] U nikh byli mirovye professii. Moskva, Voenizdat, 1962. 181 p. (Voennye memuary)

WORLD WAR, 1939-1945—NAVAL OPERATIONS

Smirnov, N.K. [Sailors protect the country] Matrosy zashchishchaliut rodinu. Moskva, Gospolitizdat, 1962. 262 p.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Abramov, V. L. [On the roads of war] Na ratnykh dorogakh. Moskva, Voenizdat, 1962. 238 p. (Voennye memuary)

Following the dictate of his heart. I. Lenin. Za rul. 21 no.1:6-7 Ja '63.

Hail, my homeland! L. Viazemskaya. Sov. Kras. krest 12 no.4:16b-16c JI-Ag '62.

Kardash, G.I. [In those days; front-line notebook] V te dni; frontovye zapiski. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1962. 149 p. (MH)

Kazakov, V.I. [At the turning point] Na porelome. Moskva, Voenizdat, 1962. 189 p. (Voennye memuary)

Red date on the calendar (to be continued). Aleksandr Krivitskii. Znamia 32 no.9:150-174 S '62.

Red date on the calendar (conclusion). Aleksandr Krivitskii. Znamia 32 no.10:170-201 O '62.

Sgibnev, A.A. [Following in the footsteps of heroes] Po sledam geroev. Moskva, Gospolitizdat, 1962. 77 p. (Geroi i podvigi)

Smirnov, S.S. [Stories about unknown heroes] Rasskazy o neizvestnykh gerolakh. Moskva, Izd-vo "Pravda," 1963. 47 p. (Biblioteka "Ogon'ek," no.2)

WORLD WAR, 1939-1945—PERSONAL NARRATIVES, KAZAKH

Kaisenov, Kasym. [From the jaws of death. Translated from the Kazakh] Iz kogtoi smerti. Moskva, Voenizdat, 1962. 159 p.

WORLD WAR, 1939-1945—REGIMENTAL HISTORIES

[Faithful, to duty, 1941-1961] Vernye dolgu, 1941-1961. Nyack, N.Y., Izd-vo "Ob'edinenie 1 polka" Russkogo Korpusa, 1961. 85 p.

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Brinskii, A.P. [On the other side of the front; recollections of a guerilla-fighter] Po tu storonu fronta; vospominaniia partizana. Literaturnai zapisi B. Pil'nika. Moskva, Voen. izd-vo, 1961. 2 v. (CSt-II)

Gerasimenko, I.P. [Partisan spark; reminiscences of a participant] Partizanskai iskra; spohody uchastnyka. Kyiv, Molod', 1961. 146 p. (CSt-II)

Somfing, M.I. [The Second World War and proletarian internationalism] Vtorai mirovai volna i proletarskii internatsionalizm. Moskva, Voenizdat, 1962. 244 p.

WORM-GEAR see Gearing, Worm

WORMS, INTESTINAL AND PARASITIC see subdivision under Azerbaijan; Ukraine

WORMWOOD—DISEASES AND PESTS see subdivision under Kazakhstan

WOUNDS—TREATMENT

Treatment of wounds contaminated by soil. Report No.1: Comparative data on the absorption of poisons, dyes and X-ray contrast media from parts of the body delimited by straight and curved incisions. M.A. Likhtentul. Zdrav. Kuzakh. 22 no.7:43-47 '62.

WRAPPING MACHINES

Machine for wrapping hard candy in square shaped packages. A.G. Petrov. Khleb. i kond. prom. 6 no.12:32-36 D '62.

WRENCHES

Safety pipe wrenches. L. O. Aberman, I. V. Savin. Mashinostroitel' no.12:21 D '62.

X-RAY CRYSTALLOGRAPHY

Crystalline structure of a high-temperature modification of thallium. E.G. Poniatovskii, A.I. Zakharov. Kristallografiia 7 no.3:461-463 My-Je '62.

Effect of X rays on the structure of NaCl type crystals. E.V. Kolontsova, A. Kulavik. Kristallografiia 7 no.3:353-357 My-Je '62.

Electron and X-ray diffraction study of the structure of thermally treated cadmium sulfide powders. K.V. Shalimova, A.F. Andrushko. Kristallografiia 7 no.3:371-373 My-Je '62.

Indexing of roentgenograms and their use in determining the lattice parameters of polycrystalline substances; review. I.P. Vyrodov. Kristallografiia 7 no.3: 480-489 My-Je '62.

A method for an X-ray diffraction study of the kinetics of growth of recrystallization centers. N.V. Dubovitska and others. Ukr. fiz. zhur. 7 no.10:1134-1138 O '62.

X-ray diffraction and electric studies of the system PbTiO₃-LaAlO₃. S.A. Fedulov, IU. N. Venetsev, D.F. Dzhumkhadze. Kristallografiia 7 no.3:408-411 My-Je '62.

X-ray diffraction method for studying the mechanism of the effect of external media on metals. M.M. Shved. Vop. mekh. real. i ver. tela no.1:136-139 '62.

X-ray diffraction study of phase transitions in certain compounds of the perovskite type. M.F. Kuprianov, E.G. Feenko. Kristallografiia 7 no.3:451-453 My-Je '62.

X-ray visual method of orientation of diamond crystals. G.G. Shamaeva, A.P. Artamonova. Kristallografiia 7 no.3:454-456 My-Je '62.

X-RAY MICROSCOPY

X-ray microscopy. V. Kossiet. Dos. such. fiz. no.6: 189-199 '62.

X-RAY SPECTROSCOPY

Application of micro-X-ray spectral analysis in physical metallurgical investigation. S.B. Maslennikov, T.V. Egorshina. Zav. lab. 28 no.12:1443-1446 '62.

X-ray spectral analysis of thin metal foils. A.D. Bondar' and others. Zav. lab. 28 no.12:1446-1448 '62.

X RAYS

Monochromator with a rotating diffraction grating for ultrasoft X radiation. A.P. Lukirskii, E.P. Savinov. Opt. i spekt. 13 no.6:846-848 '62.

X RAYS—DIFFRACTION

Forty-five years of X-ray diffraction analysis of liquids [with summary in English]. I.V. Radchenko. Ukr. fiz. zhur. 7 no.8:820-826 Ag '62.

On the short-range order in liquid alloys of In - Pb and In - Sn [with summary in English]. A.V. Romanova, A.S. Lashko. Ukr. fiz. zhur. 7 no.8:836-845 Ag '62.

X-ray diffraction study of the isothermal compressibility of ether and benzene [with summary in English]. N.V. Mokhov, IA. M. Labkovskii. Ukr. fiz. zhur. 7 no.8:816-820 Ag '62.

X RAYS—EQUIPMENT AND SUPPLIES

Attachment to the standard X-ray camera of the RKSO type for revealing structural defects of germanium. V.G. Pomin, M.A. Gurevich. Zav. lab. 28 no.12:1526 '62.

X RAYS—INDUSTRIAL APPLICATIONS

Second conference on the application of the methods of X-ray investigation in the chemical industry. J. Bleidels. Izv. AN Latv. SSR no.4:167-169 '61.

Thickness determination of metal foils by intensity change of the characteristic X rays. V.N. Karev, A.P. Kliucharev, V.N. Medvedev. Zav. lab. 28 no.12:1440-1451 '62.

X RAYS—PHYSIOLOGICAL EFFECT

Reaction of the insular apparatus of the pancreas to irradiation with X rays [with summary in English]. A.S. Breslavskii, V.V. Tsyotkova. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:186-201 '61.

Study of the copper trace element content in X-ray dermatitis. A.T. Sosnovskii, Z.I. Orlova. Zdrav. Bol. 8 no.12:46-47 D '62.

X RAYS—SCATTERING

Structure of glassy arsenic chalcogenides; corrections to the radial distribution curves. A.A. Vaipolin, E.A. Porai-Koshits. Fiz. tver. tela 5 no.1:248-255 Ja '63.

X RAYS—THERAPEUTIC USE

Method for the X-ray therapy of Itsenko-Cushing's disease and its late results [with summary in English]. IA. F. Levin, Z.I. Tshukhno. Trudy Ukr. nauch.-issl. inst. eksper. endok. 18:265-271 '61.

XANTHOPHYLLS

Transformation of xanthophylls in partially reconstructed systems. D.I. Sapozhnikov and others. Bot. zhur. 47 no.11:1856-1858 N '62.

Use of violaxanthin-C14 as a characteristic of the light reaction of xanthophyll transformation. D.I. Sapozhnikov, V.S. Sankov. Dokl. AN SSSR 147 no.6:1487-1488 D '62.

XYLENE

Hexadecylxylenes and hexadecylmethylstyrene. E.S. Pokrovskaya, N.A. Shimanov. Neftekhimiia 2 no.5: 657-661 S-O '62.

Ultrasonic speed and the adiabatic compressibility of m-xylene and CCl₄ along the saturation line. V.I. Stremousov. Uch. zap. Volg. gos. ped. inst. no.11:80-84 '60.

XYLENE—SPECTRA

Contours and intensities of Raman spectrum lines of xylenes. N.K. Sidorov, L.S. Stal'makhova, L.I. Bratanova. Opt. i spekt. 13 no.6:783-790 '62.

XYLITOL

Structure of acetals and ketals of 1,4-anhydroxyitol. A.N. Antikova, T.I. Orlova, S.N. Danilov. Zhur. ob. khim. 32 no.12:3913-3918 D '62.

YAKHROMA VALLEY—BROAD BEAN

Microelements for forage beans in peat soils. E.D. Alekseev, P.V. Polnikov. Zemledelie 24 no.12:50-60 D '62.

YAKHROMA VALLEY—PEAT SOILS

Microelements for forage beans in peat soils. E.D. Alekseev, P.V. Polnikov. Zemledelie 24 no.12:50-60 D '62.

YAKUT LANGUAGE—DIALECTS

Akademika nauk SSSR. Yakutskii filial. Yakutsk. Institut iazyka, literatury i istorii. [Materials on the dialects of the Yakut language] Sbornik dialektologicheskikh materialov yakutskogo iazyka. Yakutsk, Yakutskoe knizhnoe izd-vo, 1961. 130 p.

YAKUTIA—CABBAGE MAGGOT—EXTERMINATION

Economic method for applying hexachloran against the cabbage maggot. L.N. Beloborodova. Zashch. rast. ot vred. i bol. 5 no.3:39 Mr '60.

- YAKUTIA—CULTURE**
[Forty years of the Yakut A. S. S. R. | 40 let Iakutskoi ASSR. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 169 p.
[MICROFILM]
- YAKUTIA—DIATOMS**
Diatom flora in the sediments having syngenetic permafrost ice veins. L. G. Rapoport, N. N. Romanovskii. Merz. issl. no. 1:162-166 '61.
- YAKUTIA—ECONOMIC CONDITIONS**
[Forty years of the Yakut A. S. S. R. | 40 let Iakutskoi ASSR. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 169 p.
[MICROFILM]
- YAKUTIA—GEOLOGICAL TIME**
Age of rocks of the variegated formation in the middle Khan'ya and Yuligyeen Basins (Yakut A. S. S. R.). B. K. Gertsuev. Uch. zap. SGU 55:51-64 '59.
- YAKUTIA—GEOLOGY, STRUCTURAL**
Geomorphologic evidence of tectonic structures in central Yakutia. V. S. Vyshemirskii. Uch. zap. SGU 55: 175-183 '59.
- YAKUTIA—LANDFORMS**
Observations of the formation of low hummock reliefs. N. N. Romanovskii. Merz. issl. no. 1:105-111 '61.
- YAKUTIA—MICROPALAEONTOLOGY, STRATIGRAPHIC**
Micropaleontological characteristics of Quaternary sediments in Arctic Yakutia. N. O. Rybakova. Vest. Mosk. un. Ser. 4: Geol. 17 no. 6:55-63 N-D '62.
- YAKUTIA—PEGMATITES**
Distribution of rare earths in the accessory minerals of pegmatites in southern Yakutia. V. A. Khvostova. Trudy IMGRE no. 8:147-155 '62.
- YAKUTIA—PHYSICAL GEOGRAPHY**
"Northern Yakutia: physico-geographical characteristics." Reviewed by K. I. Usolt'seva. Izv. Vses. geog. ob-va 94 no. 6:533-534 N-D '62.
- YAKUTIA—POWER RESOURCES**
Akademika nauk SSSR. Iakutskii filial. Yakutsk. Otdel energetiki. [Power resources of the Yakut A. S. S. R.] Energeticheskie resursy Iakutskoi ASSR. Pod obshchim rukovodstvom G. M. Chudinova. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 263 p.
- YAKUTIA—RARE EARTHS**
Distribution of rare earths in the accessory minerals of pegmatites in southern Yakutia. V. A. Khvostova. Trudy IMGRE no. 8:147-155 '62.
- YAKUTIA—REVOLUTION, 1917-1921**
Akademika nauk SSSR. Iakutskii filial. Yakutsk. Institut iazyka, literatury i istorii. [Struggle for the establishment and consolidation of the Soviet regime in Yakutia; documents and source materials] Bor'ba za ustanovlenie i uprochnenie Sovetskoi vlasti v Iakutii; sbornik dokumentov i materialov. Iakutsk, Iakutskoe knizhnoe izd-vo, Pt. 2., book 1. 1961. 405 p.
- YAKUTIA—STOCK AND STOCKBREEDING**
Basharin, G. P. [History of animal husbandry in Yakutia from the second half of the 19th century to the beginning of the 20th century] Istoriia zhivotnovodstva v Iakutii vtoroi poloviny XIX - nachala XX v. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 126 p.
- YAKUTIA—THERMOKARST**
Thermokarst-erosional sinks in the northern part of the seaside lowlands of Yakutia and the New Siberian Islands. N. N. Romanovskii. Merz. issl. no. 1:124-144 '61.
- YAKUTSK—AIRPORTS**
In rays of the communist-youth projector. N. Tshepelev. Grazhd. av. 19 no. 11:25 N '62.
- YALTA—CITY PLANNING**
Design offered by the Yalta Branch of the State Institute for City Planning. I. Tat'ev. Stroitel' arkhitekt. 10 no. 8: 16 Ag '62.
Designing and building the seashore of Yalta. A. Rapoport. Stroitel' arkhitekt. 10 no. 8:14-15 Ag '62.
- YALTA—ELECTRONIC APPARATUS AND APPLIANCES**
Electronic consultant. O. Shatylova. Nauka i zhytiia 12 no. 9:38 S '62.
- YALTA—HEALTH RESORTS, WATERING PLACES, ETC.**
Greater Yalta. A. Kul'shenko. Stroitel' arkhitekt. 10 no. 8: 10-13 Ag '62.
- YALTA—WATER RESOURCES DEVELOPMENT**
Town quenches its thirst. V. Shykan. Nauka i zhytiia 12 no. 9:38 S '62.
- YARN**
Use of filament capron for the manufacture of blended cotton and capron yarns for knit goods. A. G. Kogan. Tekst. prom. 22 no. 12:18-21 D '62.
- YARN—TESTING**
Developing the method of technological evaluation of the warp yarn for weaving. A. I. Borodin, Z. M. Strazutdinova. Nauch.-issl. trudy TSNIKHBI za 1958 g.: 95-115
- YAROSLAVL—MOTOR VEHICLES—SOCIETIES, ETC.**
Beacon light is burning. L. Rusin. Za kul. 20 no. 12: 8-9 D '62.
- YAROSLAVL—TIRES, RUBBER**
Development of type "RS" tires in the Yaroslavl tire plant. I. Z. Lisogorski. Kauch. i rez. 21 no. 12: 1-2 D '62.
- YAROSLAVL—TIRES, RUBBER—TECHNOLOGICAL INNOVATIONS**
Drivers will say: "Thank you!" V. Nesterchuk. Sov. profsoiuzy 10 no. 1:5-6 Ja '63.
- YAROSLAVL PROVINCE—AGRICULTURAL ADMINISTRATION**
When the advice of specialists is ignored. P. Chestnov. Part. zhizn' no. 1:25-29 Ja '63.
- YAROSLAVL PROVINCE—BOTANY**
Some new species of plants in Yaroslavl Province. V. K. Bogachev and others. Bot. zhur. 47 no. 11:1666-1669 N '62.
- YAROSLAVL PROVINCE—REGIONAL PLANNING**
Agricultural planning in Yaroslavl Province. I. Biriulin and others. Sel'stroy. 16 no. 1:15 Ja '62.
- YARUDEY VALLEY—FROZEN GROUND**
Perennial hydrolaccoliths in the Yarusdey basin. E. B. Belopukhova. Trudy Inst. merz. AN SSSR 19:91-95 '62.
Residual polygonal relief in the Yarusdey Valley. E. B. Belopukhova. Trudy Inst. merz. AN SSSR 19:85-90 '62.
- YARUDEY VALLEY—LANDFORMS**
Residual polygonal relief in the Yarusdey Valley. E. B. Belopukhova. Trudy Inst. merz. AN SSSR 19:85-90 '62.
- YEARBOOKS**
[One year of our life] God nashel zhizni' [1961; sbornik. Moskva] Izd-vo "Sovetskaya Rossiia," 1962. 358 p.
- YEAST**
Apparatus for preparing water emulsions of oleic acid. S. M. Sosina, M. T. Pashkovskaya, I. A. I. Myshan. Khleb. i kond. prom. 6 no. 12:39 D '62.
Semi-chemical woodpulp for the manufacture of corrugated container board and the protein yeast. N. A. Rozenberger. Bum. prom. 37 no. 12:26-29 D '62.
- YEAST AS FEED**
Effect of fresh brewers yeast on the butterfat percentage of cows. A. V. Zhadan. Nauk. pratsi asp. UASHN no. 5: 197-200 '60.
Production of feed yeasts with the distilling wash concentrate from alcohol plants processing sugar beet molasses. E. B. Krishtul and others. Spirt. prom. 28 no. 8: 22-24 '62.
- YEGOR'YEVSK REGION—FOREST MANAGEMENT**
Dynamics of forest production. T. A. Kulikova. Les. khoz. 15 no. 11:52-55 N '62.
- YEMEN—HOSPITALS**
In Yemen. V. A. Stepanova. Zhen. mira no. 11:21-24 '62.
- YEMEN—POLITICS AND GOVERNMENT**
First steps of republican Yemen. B. Solov'ev. Nov. vrem. 20 no. 2:15-16 Ja '63.
- YEMEN—PRESS**
Yemen's new press. P. Demchenko. Sov. pech. no. 1: 60 Ja '63.
- YEMEN—WOMEN**
In Yemen. V. A. Stepanova. Zhen. mira no. 11:21-24 '62.
- YENISEY GOVERNMENT—MIGRATION, INTERNAL**
Stepyryn, V. A. [Colonization of the Yenisey Government in the period of capitalism] Kolonizatsiia Eniseiskoi gubernii v epokhu kapitalizma. Krasnolarsk, Krasnolarskii gos. pedagog. in-t, 1962. 561 p.
- YENISEY RIDGE—FROZEN GROUND**
Development of the vegetation as a leading factor in the formation and dynamics of permanently frozen ground of the Yenisey Ridge. A. P. Tyrtikov. Trudy Inst. merz. AN SSSR 18:55-64 '62.
Permanently frozen ground of the Yenisey Ridge. G. S. Konstantinova. Trudy Inst. merz. AN SSSR 18:55-71 '62.
- YENISEY RIDGE—FUNGI, FOSSIL**
Fossil fungi of the West Siberian Plain and the Yenisey Ridge [with summary in English]. P. A. Popov. Bot. zhur. 47 no. 11:1596-1610 N '62.
- YENISEY RIDGE—VEGETATION AND CLIMATE**
Development of the vegetation as a leading factor in the formation and dynamics of permanently frozen ground of the Yenisey Ridge. A. P. Tyrtikov. Trudy Inst. merz. AN SSSR 18:55-64 '62.
- YENISEY VALLEY—DIATOMS**
Distribution of diatoms in various alluvial facies on the basis of diatom analysis of the sediments in the flood plain of the Yenisey Valley. Z. V. Alekhinskaya. Izv. Vses. geog. ob-va 94 no. 6:501-506 N-D '62.
- YENISEY VALLEY—FROZEN GROUND**
Permanently frozen ground in the flood plain of the Yenisey Valley. A. A. Zemtsov. Trudy Inst. merz. AN SSSR 19:72-74 '62.
Relationship of the geology of a territory to the characteristics of the occurrence and formation of permanently frozen ground as revealed by the studies in the Yenisey Valley part of the West Siberian Plateau. G. D. Ostyri. Trudy Inst. merz. AN SSSR 19:10-24 '63.
- YENISEY VALLEY—PASTURES AND MEADOWS**
Controlling weeds, not eaten by cattle, growing on flood-land meadows in the Yenisey Valley [with summaries in English, German, and French]. A. D. Belobryukova. Vest. sel'khoz. nauki 7 no. 10:25-30 O '62.
- YENISEY VALLEY—PETROLEUM GEOLOGY**
Structure of the Yenisey Valley part of the northern Siberian Platform in connection with oil possibilities. L. D. Miroshnikov. Trudy VNIIGRI no. 100:437-453 '62.
- YEREVAN** see Erivan
- YERGENI HILLS—EROSION**
Quantitative estimate of the surface erosion of soils on the eastern slopes of the Yergeni Hills. G. V. Tikhonovskii. Meteor. i gidrol. no. 1:44-46 Ja '63.
- YOSIKAR-OLA—COURTS**
We should improve the work of the Yosikar-Ola People's Court. V. Tavashov. Sov. iust. no. 12:1 Ja '63.
- YOUNG COMMUNIST LEAGUE** see Communist Youth League
- YOUTH**
(see also subdivision under Cuba; Paris; Puerto Rico)
For close contacts with our youth. A. Kruglova. Sov. deput. trud. no. 6:52-55 Ja '62.
Juvenile press review. Mol. mira no. 11:12:20-32 '61.
Lenin on youth. V mire knig 2 no. 12:1 D '62.
"Two worlds and two kinds of youth": a model study plan for political groups. Komm. zhizn' no. 21:25-32 N '62.
Working with youth and working the youthful way. Kul't. pros. rab. 23 no. 7:28-31 Ji '62.
- YOUTH—CONGRESSES**
The 6th All-World and its "anti." Oleg Dmitriyev. Znamia 32 no. 10:222-224 O '62.
The festival, a symphony of joy, friendship, and peace. Chahnaz. Zhen. mira no. 11:20-29 '62.
Kuznetsov, L. M. [Flags of peace over Finland] Flagi mira nad stranai Suomi. Moskva, Izd-vo "Znanie," 1962. 28 p. (Novoe v zhizni, nauke, tekhnike. X Seriya: Molodezhnaya, no. 24)
The meeting in Helsinki. Klaus Radatz. Mol. mira no. 11:12:4-5 '61.
Motto of the festival "Peace and Friendship." A. A. Afanas'ev. Teor. i prak. fiz. kul't. 25 no. 11:14-17 N '62.
Reminiscences on Vienna. Luis Cardenas. Vrem. stud. nov. 16 no. 4:14 Ap '62.
Seven festivals with two-hundred thousand participants. G. Pildat. Mol. mira no. 11:12:1-3, 28 '61.
What awaits the students at the festival? Vrem. stud. nov. 16 no. 1:2-3 Ja '62.
- YOUTH—EMPLOYMENT**
Give constant attention to our youth. G. Fedotov. Part. zhizn' no. 1:14-20 Ja '63.
Lawbreakers. A. Kononov. Ochr. truda i sots. strakh. 6 no. 1:28-29 Ja '63.
Life of the romantics. M. Dronin. Komsom. zhizn' no. 20:10-22 O '62.
A young worker came to the plant. Komsom. zhizn' no. 10:22 S '62.
- YOUTH—PERIODICALS**
Idling. K. Pleshakova. Komsom. zhizn' no. 20:26-28 N '62.
What will you put on your desk, activist? Komsom. zhizn' no. 10:20-21 S '62.
- YOUTH—SOCIETIES, ETC.**
(see also subdivision under Argentina; Donetsk; Eureka, Australia; Germany, East; Moscow)
Disidence among dissenters. V. Lomelko. Mol. komsom. no. 12:106-108 D '62.
- YOUTH MOVEMENT**
Bolshevik influence on the world youth movement during the First World War [with summary in English]. V. V. Privalov. Vest. LGU 17 no. 20:153-156 '62.
- YTTERBIUM**
Spin-lattice relaxation of Yb³⁺ in CdF₂. P. P. Pashinin, A. M. Prokhorov. Fiz. tver. tela 5 no. 1:359-360 Ja '63.

YTTERBIUM NITRATE

Stability of cation nitrate complexes of neodymium and ytterbium. Z. A. Sheka, E. E. Krias. Radiokhimiya 4 no. 5:720-725 '62.

YTTRIUM—ISOTOPES

Bremsstrahlung of beta particles of Sr-90 and Y-90 and possibilities of its utilization [with summaries in English, German, and French]. V. S. Eliseev. Vest. sel'khoz. nauk 7 no. 10:113-116 O '62.

YUGOSLAVIA

Mineev, P. D., and V. A. Tokarev. [Yugoslavia] Yugoslavia. Moskva, Izd-vo "Znanie," 1963, 47 p. (Novoe v zhidni, nauke, tekhnike, VII Seriya: Mezhdunarodnaya, no. 2)

YUGOSLAVIA—AGRICULTURE

Development of agriculture in Yugoslavia. L. Tiagunenko. Ekon. sel'khoz. 34 no. 1:116-120 Ja '63.

YUGOSLAVIA—BIBLIOGRAPHY

[New literature on Yugoslavia] Nov. III, po IUG. no. 11 '62.

YUGOSLAVIA—FOREIGN RELATIONS—RUSSIA

The Soviet Union and socialist Yugoslavia. Nov. vrem. 20 no. 1:9 Ja '63.

YUGOSLAVIA—INSURANCE, SOCIAL

News from Yugoslavia. Sots. obozr. 23 no. 12:59-60 D '62.

YUGOSLAVIA—LUMBERING

At lumbering camps in Yugoslavia. V. Rodionov. Les. prom. 40 no. 12:30-32 D '62.

YUGOSLAVIA—POPULATION

Data on the population of the Federal People's Republic of Yugoslavia according to the 1961 census. S. Rakovskii. Vest. stat. no. 12:60-63 '62.

YUFT LANGUAGE—MORPHOLOGY

Menovshchikov, G. A. [Grammar of the Asiatic Eskimo language] Grammatika inzyka aziatykh eskimov. Moskva, Izd-vo Akad. nauk SSSR.

Pt. 1. [Phonetics and morphology of the nominal parts of speech] Fonetika, morfologiya imennykh chustei rechi. 1962, 300 p.

YUFT LANGUAGE—PHONETICS

Menovshchikov, G. A. [Grammar of the Asiatic Eskimo language] Grammatika inzyka aziatykh eskimov. Moskva, Izd-vo Akad. nauk SSSR.

Pt. 1. [Phonetics and morphology of the nominal parts of speech] Fonetika, morfologiya imennykh chustei rechi. 1962, 300 p.

YULOVO (PENZA PROVINCE)—RUSSIAN LANGUAGE—

DILECTS
Dialect of the village of Yulovo in Gorodishche District, Penza Province. V. Shkurov, M. Finkel'shtein. Uch. zap. Kub. gos. ped. inst. no. 37:102-114 '62.

YURUKS see subdivision under Turkey

YUZHNO-SAKHALINSK PROVINCE—AUXILIARY POLICE

Inexorable. A. Portnov. Konsum. zhizn' no. 23:20-21 D '62.

ZAGORSK—PAINT INDUSTRY

New lacquer and paint materials manufactured by the Zagorsk Paint Plant of the Moscow Region Economic Council. T. I. Okhlopova. Lakokras. mat. i ikh prim. no. 5:81 '62.

ZAILYSKIY ALA-TAU see Trans-Ili Ala-Tau

ZAKHAROV, ANDREIAN DMITRIYEVICH, 1761-1811

Akademika khudozhestv SSSR. Nauchno-issledovatel'skii muzei. [Catalog of an anniversary exhibition of the works of Andreian Dmitriyevich Zakharov, 1761-1811] Katalog k 100-letnuyu vystavki proizvedenii Andreiana Dmitriyevicha Zakharova, 1761-1811. Moskva, Akad. khudozhestv SSSR, 1961, 31 p. (MH)

ZALESOVO (ALTAI TERRITORY)—CLOTHING INDUSTRY

Efficiency of specialization. I. Model'. Sov. potreb. koop. 6 no. 11:35 N '62.

ZAKSKIY DISTRICT—DAIRYING—COSTS

Hidden potentialities for reducing the cost of milk on collective farms; using the example of Zaokekiy District, Tula Province. A. V. Beliaev. Dokl. TSKHA no. 50:189-197 '62.

ZAPOROZH'YE—APARTMENT HOUSES

Construction and operation of large-panel apartment houses. I. Vikhrov, V. Koshevol. Zhil. stroi. no. 2: 9-10 '62.

ZAPOROZH'YE—ARCHITECTURE—DESIGNS AND PLANS

The Zaporozh'ye branch of the Ukrainian State Trust for the Design of Residential and Public Buildings and their Equipment and for the Improvement of Populated Places. V. Sazonov. Stroi. i arkhit. 10 no. 12:32-33 D '62.

ZAPOROZH'YE—CONSTRUCTION INDUSTRY—MANAGEMENT

Work practice of the department of labor and wages of the "Zaporozhstroi" Trust. D. Desiatnikov. Ekon. stroi. no. 1:43-49 Ja '63.

ZAPOROZH'YE—MOTORCYCLE RACING

Nothing changed. I. Vainman. Za rul. 20 no. 12:7 D '62.

ZAPOROZH'YE—REFRACTORIES INDUSTRY

Reorganization of the Zaporozhye refractories plant. K. K. Tonash. Ogneupory 26 no. 1:9-12 '63.

ZAPOROZH'YE PROVINCE—FIRE EXTINCTION—SOCIETIES, ETC.

Enthusiasts. M. Safonov. Pozh. delo 8 no. 12:20-30 D '62.

ZAPOROZH'YE PROVINCE—MITES—EXTERMINATION

New pest of tomatoes and potatoes in the south of the Ukraine. I. M. Tukalevskii, V. L. Rogachev. Zashch. rast. ot vred. i bol. 4 no. 5:54 S-O '62.

ZAPOROZH'YE PROVINCE—POTATOES—DISEASES AND PESTS

New pest of tomatoes and potatoes in the south of the Ukraine. I. M. Tukalevskii, V. L. Rogachev. Zashch. rast. ot vred. i bol. 4 no. 5:54 S-O '62.

ZAPOROZH'YE PROVINCE—STEEL INDUSTRY

Secret of success. A. Dolenko. Nauka i zhizn' 12 no. 9:10-11 S '62.

ZAPOROZH'YE PROVINCE—STRAWBERRIES—VARIETIES

New strawberry varieties for the south of the Ukraine. L. I. Boboryko. Vysnyk sil'hosp. nauky 5 no. 12:58-61 D '62.

ZAPOROZH'YE PROVINCE—TOMATOES—DISEASES AND PESTS

New pest of tomatoes and potatoes in the south of the Ukraine. I. M. Tukalevskii, V. L. Rogachev. Zashch. rast. ot vred. i bol. 4 no. 5:54 S-O '62.

ZASLAVSKI, ABRAM MOISEYEVICH, 1899-1962

A. M. Zaslavskii. Izv. ASIA 4 no. 4:142 '62.

ZELIGER, NAUM BORISOVICH, 1902-

Naum Borisovich Zeliger. Elektrosviaz' 16 no. 12:72 D '62.

ZELKOVA see subdivision under Georgia

ZENKOV DISTRICT—AGRICULTURAL ADMINISTRATION

"Their place in the ranks"; notes about the rural soviets of a district. Theme 1. The soviets and collective farms. V. Vasil'ev, I. Toropov, M. Kh. Larovoi. Sov. deput. trud. no. 6:27-41 Je '62.

ZEOLITES

Adsorption properties and the secondary porous structure of adsorbents having molecular-sieve action. Report No. 7: Volumes of the cavities of dehydrated crystals of synthetic zeolites of the types A and X filled up during absorption of the vapors of various substances. M. M. Dubinin and others. Izv. AN SSSR. Old. khim. nauk no. 12:2113-2121 D '62.

Determination of the water vapor diffusion coefficient in granulated zeolites by the method of sorption from the gas-carrier stream. O. N. Kabanova, D. P. Timofeev. Izv. AN SSSR. Old. khim. nauk no. 1:176-178 '63.

Infrared spectra of nitric oxide adsorbed on synthetic zeolites. A. V. Alekseev, V. N. Filimonov, A. N. Terenin. Dokl. AN SSSR 147 no. 6:1392-1395 D '62.

Sorption by molecular sieves of the type A. L. N. Kvitkovskii, S. R. Sergienko. Dokl. AN SSSR 147 no. 8: 1399-1401 D '62.

ZERAVSHAN VALLEY—ANTIQUITIES

The Zaman-Baba culture in the lower reaches of the Zeravshan Valley. A. Askarov. Obshchestv. nauki v Uz. 6 no. 11:59-65 '62.

ZERAVSHAN VALLEY—GEOLOGY

History of the geological development of the Zeravshan basin. M. M. Kukhtikov. Trudy Inst. geol. AN Tadzh. SSR 5:73-98 '62.

ZEYA VALLEY—ECONOMIC GEOGRAPHY

Shul'man, N. K. [The Zeya River and its future] Reka Zeya ee budushchee. [Blagoveschensk-na-Amure] Ob-vo po raspr. polit. i nauchn. zaani RSFSR. Amurskoe obl. old-nie. [1962] 30 p. [MICROFILM]

ZEYA VALLEY—SOILS—SILICON CONTENT

Deposition of silica from soil solutions during freezing [with summary in English]. I. A. Slavyi, E. S. Vorob'eva. Pochvovedenie no. 9:80-84 S '62.

ZHASKOV DISTRICT—SUGAR BEETS

Meinik, V. D., and A. I. Boygunovskii. [New technology for growing sugar beets] Novaya tekhnologiya vozdyvaniya sakharnoi svekly. Moskva, Proftekhizdat, 1962, 61 p. (DNAL)

ZHDANOV REGION—ARBORETUMS

Mar'upol' Arboretum. I. I. Starchenko. Bihl. Glav. bot. sada no. 47:22-26 '62.

ZHITKOV, BORIS STEPANOVICH, 1882-1938

Green branch. Anna Garf. Nauka i zhizn' 29 no. 11:86-87 N '62.

ZHITKOVICH DISTRICT—STOCK AND STOCKBREEDING

Her bright career. A. Kupratsevich. Rab. i stal. 38 no. 12:11 D '62.

ZHITOMIR—BOOKSELLERS AND BOOKSELLING

The slogan has caught on. D. Merentsev. Sov. knizh. torg. 14 no. 10:27 '62.

ZHITOMIR PROVINCE—COLLECTIVE FARMS

Friendship secures success. P. Savchenko. NTO 4 no. 12:28 D '62.

ZHITOMIR PROVINCE—PALEOBOTANY, STRATIGRAPHIC

Some data on the development of vegetation in the Zhitomir forest zone during the Dniester-Valdai interglacial period [with summary in English]. R. O. Pashkevych. Ukr. bot. zhur. 19 no. 5:64-67 '62.

ZHITOMIR PROVINCE—POPLAR

Practices in establishing poplar plantations in the Bogunskiy Forest Tract of the Zhitomir Forest Working Circle. Nauk. pratsi asp. UASIN no. 5:112-115 '62.

ZINC

Electroconductivity of brass as dependent on the degree of zinc evaporation. V. S. Baranetskiy, G. G. Maksimovich. Vop. mekh. real'. tver. tela no. 1:131-135 '62.

ZINC—ANALYSIS

Separation of cadmium from zinc on the EDE-10P anion exchanger. V. P. Razumova. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 5 no. 5:700-711 '62.

ZINC—METALLURGY see subdivision under Ust'-

ZINC—THERMAL PROPERTIES

Thermodynamic temperatures of the equilibrium between solid and liquid zinc and between solid and liquid gold. N. V. Aref'eva and others. Trudy Inst. Korm. stand. i mer i izm. prib. no. 51:23-34 '61.

ZINC-ALUMINUM ALLOYS see Aluminum-zinc alloys

ZINC ANTIMONIDE CRYSTALS—SPECTRA

Spectral structure of CdSb type crystals. K. D. Tovatiuk, D. M. Gernus. Fiz. i ver. tela 5 no. 1:142-148 Ja '63.

ZINC CRYSTALS

Joint action of beta rays and of a surface-active medium on the mechanical properties of zinc single crystals. O. A. Troitskii, V. I. Likhtman. Dokl. AN SSSR 147 no. 4:874-877 D '62.

ZINC ISOTOPES

Elastic scattering of 6.9 Mev. protons by chromium and zinc isotopes. A. K. Val'ter and others. Dokl. AN SSSR 147 no. 6:1325-1327 D '62.

ZINC ORES see subdivision under Caucasus, Northern

ZINC ORGANIC COMPOUNDS

Preparation of organozinc compounds in solvating solvents. L. I. Zakhar'kin, O. I. Okhlobystin. Izv. AN SSSR. Old. khim. nauk no. 1:193 '63.

ZINC SALTS—TOXICOLOGY

Toxicology of zinc luminophores. Z. M. Kamal'dinova. Toks. nov. prom. khim. veshch. no. 4:125-127 '62.

ZINC SULFATE

Using gaseous reducing agents for the transformation of zinc sulfate to zinc oxide. A. K. Evdokimova, K. I. Matveev. TSvet. met. 35 no. 9:38-40 S '62.

ZINC SULFIDE—SPECTRA

Luminescence of zinc sulfide single crystals grown from a melt. L. A. Sysoev and others. Opt. i spekt. 13 no. 6:850-861 '62.

ZINC SULFIDE CRYSTALS—GROWTH

Luminescence of zinc sulfide single crystals grown from a melt. L. A. Sysoev and others. Opt. i spekt. 13 no. 6:859-861 '62.

ZININ, NIKOLAI NIKOLAEVICH, 1812-1880

Nikolai Nikolaevich Zinin on the 150th anniversary of his birth. K. M. Anisimov. Zhur. fiz. khim. 36 no. 12: 2811-2814 D '62.

ZIRCON

Dressing of titanium-zirconium sands. A. A. Pershukov, S. V. Safonov. Titan i ego splavy no. 8:8-13 '62.

ZIRCONIUM

Kaganovich, S. I. [Zirconium and hafnium; technical and economic description and analysis of mineral resources, their development and use] TSirkonil i gafnii; tekhniko-ekonomicheskoe opisheniye i analiza mineral'no-syr'evykh resursov, proizvodstva i primeneniya. Moskva, Izd-vo Akad. nauk SSSR, 1962, 180 p.

Zirconium pigments for glazes. Z. A. Nosova, V. M. Vitokhina. Stek. i ker. 19 no. 12:18-22 D '62.

ZIRCONIUM—ANALYSIS

Purpurogallin as a reagent for the spectrometric determination of zirconium [with summary in English]. I. P. Alimarin, I. V. Puzdrenkova, S. I. A. Dol'nikova. Zhur. anal. khim. 17 no. 6:700-703 S '62.

ZIRCONIUM—DECAY

Zr⁹⁷ decay scheme [with summary in English]. A. A. Sorokin, M. Z. Shital', V. S. Shpinei'. Zhur. eksp. i teor. fiz. 43 no. 6:2056-2062 D '62.

ZIRCONIUM ALLOYS—METALLOGRAPHY

Stabilization of beta-hard solutions in zirconium alloys. L. A. Petrova. Izv. AN SSSR. Otd. tekhn. nauk. Met. i topl. no. 6:159-161 N-D '62.

ZIRCONIUM—IRON-NIOBIUM ALLOYS see Iron-niobium-zirconium alloys

ZIRCONIUM—NIOBIUM ALLOYS see Niobium-zirconium alloys

ZIRCONIUM OXIDE

Polymorphous transformation kinetics of ZrO₂. B. I. A. Sukhorevskii, I. I. Vishnevskii. Dokl. AN SSSR 147 no. 4:882-885 D '62.

ZIRCONIUM—TITANIUM ALLOYS see Titanium-zirconium alloys

ZODIACAL LIGHT

Reduction of photometric observations of zodiacal light for the effect of tropospheric scattering [with summary in English]. V. G. Fesenkov. Astron. zhur. 40 no. 1:31-37 Ja-F '63.

ZOLOTAYA BALKA—SARMATIAN ANTIQUITIES

Viaz'mitina, M. I. [Zolotaya Balka, a settlement of the Sarmatian period in the Lower Dnieper Valley; Zolota Balka, poselennia sarmats'koho chasu na nizhn'omu Dnipro]. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 237 p.

ZONE MELTING

Horizontal continuous steel casting for electric slag refining. V. T. Sledkoshtelev, O. A. Shatagin, M. A. Kuritskii. Met. i gornorud. prom. no. 5:20-23 S-O '62.

Present state and prospects for the further development of electric slag refining in the Ukraine. B. E. Paton, B. I. Medovar, I. V. Latash. Met. i gornorud. prom. no. 5:12-19 S-O '62.

ZONING, ECONOMIC see Economic zoning

ZOOLOGICAL RESEARCH

(see also subdivision under Kiev)
Joint plenum of scientific councils on studying the development and utilization of animal and plant kingdoms. A. A. Butanovskina. Izv. AN SSSR. Ser. biol. no. 6:945-948 N-D '62.

ZOOLOGY

Sergiev, P. G., and others, eds. [Problems of general zoology and medical parasitology] Voprosy obshchei zoologii i meditsinskoi parazitologii. Moskva, Medgiz, 1962. 610 p. (DNLM)

ZOOLOGY—ECOLOGY

Effect of ecologic factors on some body conformation and physiological indices in mountain Carpathian sheep. V. I. Turok. Visnyk sil'hosp. nauky 5 no. 12:67-71 D '62.

Energy principle in studying the trophic relations and productivity of ecological systems [with summary in English]. G. G. Vinberg. Zool. zhur. 41 no. 11:1618-1630 N '62.

ZOOLOGY—FIELD WORK

"Manual for field work on the zoology of vertebrates" by N. G. Kremenskii. Reviewed by K. N. Blagosklonov. Zool. zhur. 41 no. 11:1755-1757 N '62.

ZOOLOGY—LABORATORY MANUALS

Veselov, E. A., and O. N. Kuznetsova. [Laboratory manual on zoology] Praktikum po zoologii. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 248 p.

ZOOLOGY—VARIATION

Nature of the geographical variability of green frogs. P. V. Terent'ev. Trudy PBI no. 19:98-121 '62.

ZOONOSES

Active detection of zoonoses among workmen of food establishments. E. M. Popova, A. L. Lesnikov. Trudy Len. inst. epid. i mikrobiol. 20:157-165 '59.

ZOOPLANKTON see subdivision under Velikaya Salma Strait

ZUGDIDI DISTRICT—CONSTRUCTION INDUSTRY

Interfarm building organizations should replace the carpenter brigades of the rural executive committees. I. Kantaria. Sov. deput. trud. no. 1:46-48 Ja '63.

ZVENOGOROD—FLAGS

How a flag is born. I. Faenson. Most. prom. i khud. promys. 3 no. 11:10 N '62.

ZYRYANOVSK—CONSTRUCTION INDUSTRY—MANAGEMENT

Recommendations are put into practice. B. Kairbekov. Nar. khoz. Kazakh. 20 no. 10:24-27 O '62.

ZYRYANOVSK—NONFERROUS METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Recommendations are put into practice. B. Kairbekov. Nar. khoz. Kazakh. 20 no. 10:24-27 O '62.

ZYRYANOVSK DISTRICT—MINE FILLING

Filling with rocks from hydraulic overburden stripping in the Zyryanovsk Mine. R. M. Gamberg, V. G. Kollev. Gor. zhur. no. 5:25-27 My '62.

ZYUZEL'SKIY—PYRITES

On the two sericification stages at the Zyzelskiy pyrite deposit. P. I. Arosch. Dokl. AN SSSR 147 no. 6:1455-1457 D '62.

ZYUZEL'SKIY—SERICITE

On the two sericification stages at the Zyzelskiy pyrite deposit. P. I. Arosch. Dokl. AN SSSR 147 no. 6:1455-1457 D '62.

IN THIS ISSUE:
ANNUAL AUTHOR INDEX TO MONOGRAPHS

Monthly Index *of* Russian Accessions



Volume 16, No. 2

May 1963

THE LIBRARY OF CONGRESS
WASHINGTON : 1963

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1945 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1947. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Electric action of the brain in glaucoma. L.S.Levina, G.M.Neishtadt. Vest.oft. 30 no.5: 8-12 S-O '51.

Explanation: An article with title given above in English translation, written by L. S. Levina and G. M. Neishtadt, will be found in the September-October 1951 issue of *Vestnik oftalmologii*, vol. 30, no. 5, pages 8-12.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves () around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington 25, D. C.

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

Price of single copies varies; subscription price, \$12.00 a year domestic, \$16.00 a year foreign. Price of Cumulative Index to Volumes 1-3, \$1.50; to Volume 4, \$0.60.

L. C. card, 48-46562

*Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.	CaSSU	University of Saskatchewan, Saskatoon, Canada
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.	CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
AU	University of Alabama, University	CoD	Denver Public Library
AzU	University of Arizona, Tucson	CoDM	Medical Society of the City and County of Denver
C	California State Library, Sacramento	CoFS	Colorado State University, Fort Collins
CCC	Honnold Library, Claremont, Calif.	CoU	University of Colorado, Boulder
CFS	Fresno State College, Fresno, Calif.	CtHT	Trinity College, Hartford, Conn.
CL	Los Angeles Public Library	CtU	University of Connecticut, Storrs
CLCM	Los Angeles County Museum Library, Los Angeles	CtW	Wesleyan University, Middletown, Conn.
CLL	Los Angeles County Law Library, Los Angeles	CtY	Yale University, New Haven
CLM	Los Angeles County Medical Association, Los Angeles	CtY-L	— Law Library
CLSU	University of Southern California, Los Angeles	CtY-M	— Medical School Library
CLU	University of California at Los Angeles	DAIA	American Institute of Architects Library, Washington, D. C.
CMthL	University of California, Lick Observatory, Mount Hamilton	DAL	U. S. Army Library, Pentagon Building
CPT	California Institute of Technology, Pasadena	DBC	U. S. Bureau of the Census Library
CSf	San Francisco Public Library	DBS	U. S. National Bureau of Standards Library
CSfA	California Academy of Sciences, San Francisco	DC	U. S. Department of Commerce Library
CSfU	University of San Francisco, San Francisco	DCU	Catholic University of America Library, Washington, D. C.
CSmH	Henry E. Huntington Library, San Marino, Calif.	DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
CSt	Stanford College Libraries, Stanford, Calif.	DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
CSt-H	— The Hoover Institution on War, Revolution, and Peace	DFR	Board of Governors of the Federal Reserve System
CSt-L	— Lane Medical Library	DI	U. S. Department of the Interior Library
CStbS	University of California, Santa Barbara Library, Goleta	DI-GS	— Geological Survey Library
CStmoR	Rand Corporation, Santa Monica, Calif.	DM	U. S. Bureau of Mines Library. (Library integrated with DI)
CU	University of California, Berkeley	DN	U. S. Department of the Navy Library
CU-A	— University of California, Davis	DN-HO	— Naval Oceanographic Office Library
CU-B	— Bancroft Library, Berkeley	DN-Ob	— Naval Observatory Library
CU-E	— East Asiatic Library, Berkeley	DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
CU-M	— Medical Center, San Francisco	DNAL	National Agricultural Library
CU-Riv	— College of Arts, Letters and Science, Riverside	DNH	National Institutes of Health Library, Bethesda, Md.
CU-S	— Scripps Institution of Oceanography, La Jolla	DNLM	U. S. National Library of Medicine
CaAEU	University of Alberta, Edmonton, Canada	DNW	U. S. National War College Library, Fort McNair
CaBVa	Vancouver Public Library, Vancouver, Canada	DP	U. S. Patent Office Library
CaBVaU	University of British Columbia, Vancouver, Canada	DS	U. S. Department of State Library
CaBViPA	Provincial Archives, Victoria, Canada	DSC	Scottish Rite Supreme Council Library
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada	DSI	Smithsonian Institution Library, Washington, D. C.
CaOKQ	Queen's University, Kingston, Canada	DSI-AO	— Astrophysical Laboratory Library
CaOL	London Public Library, London, Canada	DSI-E	— Bureau of American Ethnology Library
CaOOA	Public Archives Library, Ottawa, Canada	DSI-M	— National Museum Library
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada	DWB	U. S. Weather Bureau Library
CaOLU	University of Western Ontario, London, Canada	DeU	University of Delaware, Newark
CaOOF	Department of Finance Library, Ottawa	FMU	University of Miami, Coral Gables, Fla.
CaOOG	Geological Survey of Canada, Ottawa, Canada	FTaSU	Florida State University, Tallahassee
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada	FU	University of Florida, Gainesville
CaOOH	Laboratory of Hygiene, Ottawa, Canada	GAT	Georgia Institute of Technology, Atlanta
CaOOM	Bureau of Mines Library, Ottawa	GEU	Emory University, Atlanta
CaOON	National Research Council, Ottawa, Canada	GU	University of Georgia, Athens
CaOONM	National Museum, Ottawa, Canada	I	Illinois State Library, Springfield
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada	IArg	Argonne National Laboratory, Argonne, Ill.
CaOOU	University of Ottawa, Ottawa, Canada	IC	Chicago Public Library
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada	ICA	Art Institute of Chicago, Chicago
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)	ICAC	American College of Surgeons Library, Chicago
CaOTU	University of Toronto, Toronto, Canada	ICF	Chicago Natural History Museum, Chicago
CaQMAI	Arctic Institute of North America, Montreal, Canada	ICJ	John Crerar Library, Chicago
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal	ICMILC	Midwest Inter-Library Center, Chicago
CaQMM	McGill University, Montreal, Canada	ICN	Newberry Library, Chicago
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal	ICU	University of Chicago, Chicago
		ICU-Y	Yerkes Observatory, Williams Bay, Wis.
		ICarbs	Southern Illinois University, Carbondale
		IEN	Northwestern University, Evanston, Ill.
		IEN-M	— Medical School Library, Chicago
		IHi	Illinois State Historical Library, Springfield
		IU	University of Illinois, Urbana

IaAS	Iowa State University of Science and Technology, Ames	MiU-L	— Law Library
IaU	State University of Iowa, Iowa City	MnSJ	James Jerome Hill Reference Library, St. Paul
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho	MnU	University of Minnesota, Minneapolis
IdU	University of Idaho, Moscow	MnU-B	— Bio-Medical Library
In	Indiana State Library, Indianapolis	MnU-L	— Law Library
InIA	Indiana Academy of Science Library, Indianapolis	MoFC	Central College, Fayette, Mo.
InLP	Purdue University, Lafayette, Ind.	MoKL	Linda Hall Library, Kansas City
InNd	University of Notre Dame, Notre Dame, Ind.	MoRM	University of Missouri School of Mines and Metallurgy, Rolla
InU	Indiana University, Bloomington	MoS	St. Louis Public Library
KAS	St. Benedict's College, Atchison, Kan.	MoSB	Missouri Botanical Garden, St. Louis
KMK	Kansas State University, Manhattan	MoSU	St. Louis University, St. Louis
KU	University of Kansas, Lawrence	MoSW	Washington University, St. Louis
KU-L	— School of Law Library	MoU	University of Missouri, Columbia
KU-M	— Medical Center Library, Kansas City	MsSM	Mississippi State University, State College
KyU	University of Kentucky, Lexington	MsU	University of Mississippi, Oxford
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.	MtBC	Montana State College, Bozeman
LU	Louisiana State University, Baton Rouge	MtU	Montana State University, Missoula
MA	Amherst College, Amherst, Mass.	N	New York State Library, Albany
MB	Boston Public Library	NB	Brooklyn Public Library
MBA	American Academy of the Arts and Sciences, Boston	NBB	Brooklyn Museum Libraries, Brooklyn
MBAt	Boston Athenaeum, Boston	NBC	Brooklyn College, Brooklyn
MBM	Boston Medical Library, Boston	NBG	Brooklyn Botanic Garden, Brooklyn
MBN	Boston Society of Natural History, Boston	NBM	Academy of Medicine of Brooklyn Library, Brooklyn
MBU	Boston University	NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.	NBuB	Buffalo Society of Natural Sciences, Buffalo
MCM	Massachusetts Institute of Technology, Cambridge, Mass.	NCH	Hamilton College, Clinton, N. Y.
MH	Harvard University, Cambridge, Mass.	NCornC	Corning Glass Works Library, Corning, N. Y.
MH-A	— Arnold Arboretum, Jamaica Plain	NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
MH-AH	— Andover-Harvard Theological Seminary Library	NIC	Cornell University, Ithaca, N. Y.
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.	NIC-A	— State Colleges of Agriculture and Home Economics
MH-BL	— Biological Laboratories Library	NN	New York Public Library
MH-C	— Chemistry Library	NNA	American Geographical Society, New York
MH-F	— Farlow Reference Library	NNBG	New York Botanical Garden, Bronx Park, New York
MH-FA	— Fogg Art Museum Library	NNC	Columbia University, New York
MH-G	— Gary Herbarium Library	NNC-L	— Law Library
MH-GM	— Gordon McKay Library	NNC-M	— Medical Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)	NNC-T	— Teachers College Library
MH-L	— Law School Library	NNCC	Chemists' Club, New York
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston	NNCoCi	College of the City of New York, New York
MH-Mi	— Mineralogical Library	NNCoRM	Cornell University Medical College Library, New York
MH-O	— Astronomical Observatory, the Phillips Library	NNE	Engineering Societies Library, New York
MH-P	— Peabody Museum Library	NNF	Fordham University, New York
MH-PR	— Physics Research Library	NNIS	Library for Intercultural Studies, New York
MH-SD	— Graduate School of Design Library	NNJ	Jewish Theological Seminary of America, New York
MH-Z	— Museum of Comparative Zoology Library	NNM	American Museum of Natural History, New York
MMeT	Tufts University, Medford, Mass.	NNMM	Metropolitan Museum of Art Library, New York
MNS	Smith College, Northampton, Mass.	NNNAM	New York Academy of Medicine, New York
MWelC	Wellesley College, Wellesley, Mass.	NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
MWhB	Marine Biological Laboratory, Woods Hole, Mass.	NNR	Russell Sage Foundation, College of the City of New York
MdAN	U. S. Naval Academy, Annapolis	NNRI	Rockefeller Institute for Medical Research, New York
MdBJ	Johns Hopkins University, Baltimore	NNU	New York University Libraries, New York
MdBWA	Walters Art Gallery, Baltimore	NNU-H	— University Heights Library
MdU	University of Maryland, College Park	NNU-W	— Washington Square Library
MeB	Bowdoin College, Brunswick, Maine	NNUN	United Nations Library, New York
MeWC	Colby College, Waterville, Maine	NPV	Vassar College, Poughkeepsie, N. Y.
MiD	Detroit Public Library	NRE	Eastman Kodak Company, Rochester, N. Y.
MiDA	Detroit Institute of Arts	NRU	University of Rochester, Rochester, N. Y.
MiDW	Wayne State University, Detroit	NSyU	Syracuse University, Syracuse, N. Y.
MiEM	Michigan State University, East Lansing	NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
MiMidD	Dow Chemical Company, Midland, Mich.	NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
MiU	University of Michigan, Ann Arbor	NbU	University of Nebraska, Lincoln
MiU-C	— William L. Clements Library		

NcD	Duke University, Durham, N. C.	PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
NcGW	Woman's College of the University of North Carolina, Greensboro	PPF	Franklin Institute, Philadelphia
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh	PPPM	Philadelphia Museum of Art
NcU	University of North Carolina, Chapel Hill	PPT	Temple University, Philadelphia
NdU	University of North Dakota, Grand Forks	PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
Nh	New Hampshire State Library, Concord	PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
NhD	Dartmouth College, Hanover, N. H.	PPiCI	Carnegie Institute of Technology, Pittsburgh
NjI	Irvington Free Public Library, Irvington, N. J.	PPiU	University of Pittsburgh, Pittsburgh
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill	PRosC	Rosemont College, Rosemont, Pa.
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.	PSC	Swarthmore College, Swarthmore, Pa.
NjN	Newark Public Library, Newark, N. J.	PSt	Pennsylvania State University, University Park
NjP	Princeton University, Princeton, N. J.	PU	University of Pennsylvania, Philadelphia
NjR	Rutgers University, New Brunswick, N. J.	PU-BZ	— Botany-Zoology Library
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park	PU-EI	— Moore School of Electrical Engineering Library
NvU	University of Nevada, Reno	PU-FA	— School of Fine Arts Library
O	Ohio State Library, Columbus	PU-Math	— Mathematics-Physics Library
OCH	Hebrew Union College, Cincinnati	PU-Mu	— University Museum Library
OCLloyd	Lloyd Library and Museum, Cincinnati	PU-Penn	— Penniman Library of Education
OCU	University of Cincinnati, Cincinnati	PU-Sc	— Towne Scientific School Library
OCI	Cleveland Public Library	RPB	Brown University, Providence, R. I.
OCIBHS	Benedictine High School, Cleveland	RU	University of Rhode Island, Kingston
OCICS	Case Institute of Technology, Cleveland	TCU	University of Chattanooga, Chattanooga, Tenn.
OCJJC	John Carroll University, Cleveland	TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
OCIM	Cleveland Medical Library	TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
OCIMA	Cleveland Museum of Art	TU	University of Tennessee, Knoxville
OCIW	Western Reserve University, Cleveland	TxCM	Agricultural and Mechanical College of Texas, College Station
OCob	Battelle Memorial Institute, Columbus	TxDaM	Southern Methodist University, Dallas
ODW	Ohio Wesleyan University, Delaware, Ohio	TxHR	Rice Institute, Houston
OHi	Ohio State Historical Society, Columbus	TxLT	Texas Technological College, Lubbock
OO	Oberlin College, Oberlin, Ohio	TxU	University of Texas, Austin
OOxM	Miami University, Oxford, Ohio	ULA	Utah State University of Agriculture and Applied Science, Logan
OSte	Carnegie Library, Steubenville, Ohio	ViBibV	Virginia Polytechnic Institute, Blacksburg
OU	Ohio State University, Columbus	VIU	University of Virginia, Charlottesville
OUCA	Chemical Abstracts, Ohio State University, Columbus	VIU-L	— Law Library
OKS	Oklahoma State University, Stillwater	ViW	College of William and Mary, Williamsburg
OkU	University of Oklahoma, Norman	VtMiM	Middlebury College, Middlebury, Vt.
GrCS	Oregon State University, Corvallis	VtU	University of Vermont and State Agricultural College, Burlington
OrPR	Reed College, Portland, Ore.	WAP	Institute of Paper Chemistry, Appleton
OrU	University of Oregon, Eugene	WHi	State Historical Society of Wisconsin, Madison
P	Pennsylvania State Library, Harrisburg	WU	University of Wisconsin, Madison
PBL	Lehigh University, Bethlehem, Pa.	WaU	University of Washington, Seattle
PBm	Bryn Mawr College, Bryn Mawr, Pa.	WvU	West Virginia University, Morgantown
PHC	Haverford College, Haverford, Pa.		
PLF	Franklin and Marshall College, Lancaster, Pa.		
PP	Free Library of Philadelphia		
PPAN	Academy of Natural Sciences, Philadelphia		
PPAmP	American Philosophical Society, Philadelphia		
PPC	College of Physicians of Philadelphia		

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 16, NO. 2

MAY 1903

TABLE OF CONTENTS

Part A—Monographic Works

	Page
1. General.....	301
2. Bibliography.....	301
3. Philosophy & Religion.....	301
4. History.....	302
5. Social Sciences.....	303
6. Political Science.....	306
7. Law.....	307
8. Education.....	308
9. Music, Theater & Motion Pictures.....	308
10. Fine Arts.....	309
11. Language, Literature & Folklore.....	310
12. Geography & Geology.....	315
13. Science.....	316
14. Medicine.....	318
15. Agriculture.....	319
16. Technology.....	321
17. Military & Naval Sciences.....	330

Part B—Periodicals

1. General	
a. Scholarly journals.....	331
b. Popular magazines.....	331
2. Bibliography	
a. Bibliography.....	332
b. Libraries & library science.....	332
c. Printing & the book trade.....	333
3. Philosophy & Religion	
a. Philosophy.....	333
b. Religion.....	333
4. History	
a. General.....	333
b. Archaeology & antiquities.....	333
5. Social Sciences	
a. Commerce.....	334
b. Economics.....	334
c. Finance.....	334
d. Labor.....	334
e. Sociology.....	334
6. Political Science.....	334
7. Law.....	334
8. Education	
a. General.....	335
b. Physical education & games.....	335

9. Music, Theater & Motion Pictures	Page
a. Motion pictures.....	336
b. Music.....	336
c. Theater.....	336
10. Fine Arts	
a. General.....	336
b. Architecture.....	336
11. Language, Literature & Folklore	
a. Language.....	336
b. Literature & folklore.....	336
12. Geography & Geology	
a. Ethnology.....	337
b. Geography.....	337
c. Geology & paleontology.....	337
13. Science	
a. General.....	338
b. Astronomy.....	338
c. Biology.....	338
d. Chemistry.....	339
e. Mathematics.....	339
f. Physics.....	340
14. Medicine	
a. General.....	340
b. Gynecology, obstetrics & pediatrics.....	.....
c. Neurology & psychiatry.....	340
d. Ophthalmology & otorhinolaryngology.....	340
e. Pathology & therapeutics.....	340
f. Pharmacy & materia medica.....	340
g. Public health & nursing.....	.....
h. Surgery & dentistry.....	341
i. Venereology & dermatology.....	.....
15. Agriculture	
a. General.....	341
b. Animal industry.....	341
c. Forestry.....	341
d. Plant culture.....	341
16. Technology	
a. General.....	342
b. Aeronautics.....	342
c. Chemical technology.....	342
d. Civil & construction engineering.....	343
e. Electrical engineering.....	343
f. Industries & trades.....	344
g. Mechanical engineering.....	344
h. Mining & metallurgy.....	346
17. Military & Naval Sciences	
a. Military science.....	346
b. Naval science.....	346
Part C—List of Periodicals Indexed and Abbreviations Used.....	348
Subject Index to Monographs and Periodicals.....	356
Author Index to Monographs Listed in the <i>Monthly Index of Russian Accessions</i> , Vol- ume 15, April 1962–March 1963.....	XLVII–CVI

Periodicals Available in English Translation Cover-to-Cover.

PART A—MONOGRAPHIC WORKS

1. GENERAL

[DESK CALENDAR FOR 1963] *Nastol'nyi kalendar'* 1963. Moskva, Gospolitizdat, [1962] 201 p.

[KOREA; general survey] *Koreia; obshchii obzor*. P'yongyang, Izd-vo lit-ry, na inostr. yazykakh, 1961. 266 p.

[PEOPLE'S CALENDAR FOR 1963] *Narodnyi kalendar'* 1963. [Kyiv] Derzh. vyd-vo polit. lit-ry URSS, [1962] 254 p.

[SOVIET UKRAINIAN ENCYCLOPEDIA] *Ukrains'ka Radians'ka entsyklopedia*. Holovna red. kolegiia: M. P. Bazhan ta inshi. Kyiv, Akad. URSS. Vol. 10. Nakhodka - Patriarkhat. [1962] 576 p.

2. BIBLIOGRAPHY

[AMERICAN TECHNICAL BOOKS] *Amerikanskaia tekhnicheskai kniga*. [n.p. 1963] 71 p.

[CONCISE TECHNICAL HANDBOOK FOR WORKERS, PUBLISHING HOUSES AND THE PRINTING INDUSTRY] *Kratkii tekhnicheskii spravocnik dlia rabotnikov izdatel'stv i poligraficheskoi promyshlennosti*. Moskva, Izd-vo "Iskusstvo". M. S. Tsigel'man, T. E. comp. [Production of printed matter] *Proizvodstvo poligraficheskoi produktii*. 1962 574 p.

KAZAKOV, V. I. [At the sources of a book] *U istokov knigi*. [Leningrad] Lenizdat, 1962. 36 p. (Peredovoi opyt vsei)

KAZAN. NAUCHNAIA BIBLIOTEKA IMENI N. I. LOMACHEVSKOGO. [Classified index of articles in the periodical publications of Kazan University, 1815-1947, excepting "Uchenye zapiski," "Izvestiia obshchestva arheologii, istorii i etnografii," and "Kazanskoe izvestiia,"] *Sistematicheskii ukazatel' statei k periodicheskim izdaniiam Kazanskogo ordena Trudovogo Krasnogo Znameni gosudarstvennogo universiteta im. V. I. Ul'ianova-Lenina, 1815-1947 gg.; krome "Uchenykh zapisek," "Izvestii obshchestva arheologii, istorii i etnografii" i "Kazanskikh izvestii."* Sost. E. M. Mishina. Kazan', 1960. 279 p.

LYOV. UNIVERSYTET. Naukovna biblioteka. [Publications of the professors, instructors and other academic personnel of Lvov University in 1944-1960; bibliography] *Drukovani prafel profesoriv, vykladachiv i spivrobitynykiv L'vivs'koho universytetu za 1944-1960 roky; bibliografichniy pokazcheyk*. [L'viv] 1962. 766 p.

MIKHAILOV, A. I. [Thirty years at a printing press] *30 let u pachatnoi mashiny*. [Leningrad] Lenizdat, 1962. 89 p. (Peredovoi opyt vsei)

MORACHEVSKII, N. I. A. [Guide to the Saltykov-Schedrin State Public Library] *Putevoditel' po Gosudarstvennoi publichnoi biblioteko imeni M. E. Saltykova-Schedrina*. Pod red. V. M. Barashenkova. Iz. 2., ispr. i dop. Leningrad, Gos. publichnaia biblioteka im. M. E. Saltykova-Schedrina, 1962. 107 p.

MOSCOW. GOSUDARSTVENNYI ISTORIKO-ARKHIVNYI INSTITUT. [Program for the course on "Technical and motion-picture, photographic and sound documents and archives in the U. S. S. R."] *Programma kursa "Tekhnicheskie i kino-foto-fonodokumenty i arkhivy v SSSR."* Moskva, 1962. 25 p.

MOSCOW. GOSUDARSTVENNYI ISTORIKO-ARKHIVNYI INSTITUT. [Program for the course on "The history and organization of archival work in the U. S. S. R."] *Programma kursa istorii i organizatsii arkhivnogo dela v SSSR*. Moskva, 1962. 44 p.

MOSCOW. NAUCHNO-ISLEDOVATEL'SKII INSTITUT POLIGRAFICHESKOGO MASHINOSTROENIIA. *Otdel tekhniko-ekonomicheskikh issledovani. [Patents in the printing industry, 1958] Patentskaia literatura po voprosam poligraficheskogo proizvodstva, 1958 god; bibliograficheskii spravocnik*. [By] E. L. Nemirovskii. Moskva, 1961. 228 p. (Seria bibliograficheskikh ukazatelei)

MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Guide to the catalogs for readers in the reference reading rooms] *Putevoditel' po katalogam dlia chitatelei nauchnykh chital'nykh zalov*. Izd. 4. Moskva, 1958. 43 p.

PAKHOMOV, V. V. [Book art; conception of the typography, illustrations] *Knizhnoe iskusstvo; zamysel oformleniia, illustratsii*. Moskva, Gos. izd-vo "Iskusstvo". Book 2. [Illustrations] *Illustratsii*. 1962. 429 p.

[A REFERENCE BOOK FOR THE PERSONEL OF NEWSPAPERS, PUBLISHING HOUSES, AND PRINTING PLANTS] *Dovidnyk dlia pratsivnykiv redaktsii gazet, mistsevykh vydavnytstv i drukaren'*. Kyiv, Derzhlekhvydav URSS, 1962. 382 p.

3. PHILOSOPHY & RELIGION

AKADEMIA NAUK SSSR. Institut filosofii. [Philosophical problems of atheism] *Filosofskie problemy ateizma*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 278 p.

AKADEMIA NAUK SSSR. Institut narodov Azii. [Sociopolitical and philosophical thought of India] *Obshchestvenno-politicheskai i filosofskai mysl' Indii; sbornik statei*. Moskva, Izd-vo vostochnoi lit-ry, 1962. 202 p.

ALMAZOV, S. F., and P. I. A. PITERSKII. [Feasts of the Orthodox Church] *Prazdniki Pravoslavnoisortkyi*. Moskva, Gospolitizdat, 1962. 261 p.

[ANSWERS TO BELIEVERS; a popular handbook] *Otvyet veruiushchim; popularnyi spravocnik*. Pod obshch. red. V. A. Mezentsava. Moskva, Gospolitizdat, 1962. 478 p.

BEKLEMESHEV, P. A. [The Parish of the Shrine of Christ the Savior at Asnieres; commemorative volume, 1937-1957] *Prikhody khrama Khrista Spasitelia v An'ere; jubileinyi sbornik, 1937-1957*. Asnieres, Izd. Prikhoda Khrama Khrista Spasitelia, 1957. 69 p. illus. (NNC)

BILNETS, S. [The darkness and its servants; on Orthodox monasteries and monasticism] *T'ma i ee sluzh; o pravoslavnykh monastyriakh i monashestvo*. Kiev, Gospolitizdat, 1960. 86 p. (MH)

BILOHUB, I. [With the fire of Prometheus; atheistic ideas in the works of Ukrainian democratic writers] *Vohnem Prometela; ateistychai idei v tvorakh ukrains'kykh pys'mennykiv-demokrativ*. [Luhansk] Luhansk'e oblasne vyd-vo, 1960. 98 p. (MH)

BOGOMOLOV, A. S. [History of bourgeois philosophy in the period of imperialism] *Istoriia burzhuanznoi filosofii epokhi imperiializma; uchebno-metodicheskoe posobie dlia studentov-zaochnikov filosofskikh fakul'tetov gosudarstvennykh universitetov*. 2., perer. izd. [Moskva] Izd-vo Mosk. univ., 1962. 97 p.

BUSHLIA, A. K. [Moral education of the evening (tagged) school students during the process of instruction] *Nravstvennoe yospitanie uchashchikhsia vechernoi (smennoi) shkoly v protsesse obucheniia*. Moskva, Izd-vo APN RSFSR, 1962. 49 p. (Vechernie smennye srednie shkoly)

BYCHKO, I. V. [At the philosophical crossroads; the crisis of phenomenology and critical realism in the present-day bourgeois philosophy of the U. S. A.] *Na filosofskomu razdorizhzhii; kryzia fenomenologii i krytychnoho realizmu v suchasni burzhuanznoi filosofii SSHA*. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 168 p.

IAKHOT, O. O. [Popular talks on dialectical materialism] *Populiarnye besedy po dialekticheskomu materializmu*. Moskva, Sotsekgiz, 1962. 261 p.

IVANOV, V. M. [Why some people believe in the magic power of the cross] *Pochemu nekotorye liudi veriat v magicheskuiu silu kresta*. Minsk, 1962. 46 p. (Obshchestvo po rasprostraneniui politicheskikh i nauchnykh znanii Belorusskoi SSR, no. 9)

KOZHEN, A. I. [According to the duty of a man of the new world] *Po dolgu cheloveka novogo mira*. Moskva, Gospolitizdat, 1962. 61 p. (Moral'nyi kodeks stroitelia kommunizma)

KRYMS'KYI, S. B. [Origin of the forms and laws of thought] *Genozys form i zakoniv myslennia*. Kyiv, Vyd-vo AN URSS, 1962. 123 p.

MOROZ, K. V. [Law of the negation of negation] *Zakon otritsaniia otritsaniia*. [Moskva] Mosk. rabochii, 1962. 70 p. (Obshchedostupnaia biblioteka po filosofii)

MUSATOVA, V. M., and V. P. TROSHKIN. [In the world of nightmares; documentary photographic report on Pentecostal sectarians] *V mire kosmarna; dokumental'nyi fotocherk o sektantskhi-platidostanikakh*. Moskva, Gospolitizdat, 1962. 1 v.

MUSTAFAEV, DZHAMAL. [Philosophical and ethical views of Nizami] *Filosofskie i eticheskie vozzreniia Nizami*. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 154 p.

NAZARKO, IRYNEI I. [The Metropolitans of Kiev and Galich, 1890-1960; biographical sketches] *Kyivs'ki i Galys'ki Mytropolyty; biografichni narysy, 1890-1960*. Rome, OC. Vasyliany, 1962. 271 p. (Zapysky ChSVV. Seria II. Sektsiia I. Pratsi. Vol. 13)

OBSHCHESTVO PO RASPROSTRANENIU POLITICHESKIKH I NAUCHNYKH ZNANIi RSFSR. *Leningradskoe otdelenie*. [Communist ethics] *O kommunisticheskoi etike*. Leningrad, 1962. 426 p.

ROZHNOV, V. E., and M. A. ROZHNOVA. [Hypnotism and religion] *Gipnoz i religiiia*. Moskva, Voenizdat, 1962. 112 p. (Nauchno-populiarnaia biblioteka)

RUNOVA, I. S. [We should struggle against the petit bourgeois way of thinking] *S moshchanstvom nado borot'sia*. [Leningrad] Lenizdat, 1962. 64 p. (Besedy o moral'nom kodekse)

UEMOV, A. I. [Things, properties, and relations] *Veshchi, evolstva i otnosheniia*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 183 p.

VASIL'EV, L. L. [Experimental research on mental suggestion] *Eksperimental'nye issledovaniia myslennogo vnusheniia*. [Leningrad] Izd-vo Leningr. univ., 1962. 196 p.

ZAIETS', P. M. [Comradeship, friendship, and love] *Pro tovaryshuvannia, druzhbu i liubov*. Kyiv, T-vo dlia poshyrennia polit. i naukovykh znanii Ukrain'skoi RSR, 1959. 20 p.

4. HISTORY

- AKADEMIYA NAUK MOLDAVSKOI SSR. Institut istorii. [Documents and source materials on Moldavian history] Istorii Moldavii; dokumenty i materialy. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR. Vol. 3. [Situation of Bessarabian peasants and their uprisings in 1812-1861] Polozhenie krest'ian i krest'ianskoe dvizhenie v Bessarabii, 1812-1861 gody; sbornik dokumentov. Pt. 1. 1962. 610 p.
- AKADEMIYA NAUK SSSR. Institut arkhologii. [The ancient city] Antichnyi gorod. Moskva, Izd-vo Akad. nauk SSSR, 1963. 169 p.
- AKADEMIYA NAUK SSSR. Institut narodov Azii. [Hsinhai Revolution in China] Sin'khaishkaia revoliutsiia v Kitae; sbornik statei. Moskva, Izd-vo vostochnoi lit-ry, 1962. 323 p.
- [THE ANTIFASCIST RESISTANCE MOVEMENT IN EUROPE DURING THE SECOND WORLD WAR] Antifashistskoe dvizhenie soprotivleniia v stranakh Evropy v gody Vtoroi Mirovoi voyny. Moskva, Sotsekgiz, 1962. 731 p.
- AUTLEV, A. TS., and D. G. KOSTANOV, eds. [The 40th anniversary of the Adyge Autonomous Province] 40 let avtonomii Adygei. Maikop, Adygeiskoe knizhnoe izd-vo, 1962. 180 p.
- AVDUSIN, D. A., and V. L. IANIN, eds. [Collected articles on history and archaeology; dedicated to Artemii Vladimirovich Arslanovskii on his 60th birthday and the 35th anniversary of his scientific, pedagogical and public activities] Istoriko-arkheologicheski sbornik; Artemiiu Vladimirovichu Arslanovskomu k shestidesiatil'etliu so dnia rozhdeniia i tridtsatipiatil'etliu nauchnoi, pedagogicheskoi i obshchestvennoi deiatel'nosti. [Moskva, Izd-vo Mosk. univ., 1962] 365 p.
- BAKU. INSTITUT ISTORII PARTII. [Pravda and Azerbaijan] Pravda i Azerbaidzhan. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 380 p. (MH)
- BAKU. MUZEI ISTORII AZERBAIDZHANA. [Brief guidebook to the Museum of the History of Azerbaijan] Kratki putevoditel'. Pod red. M. A. Kasieva. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1958. 35 p. illus. [Parallel texts in Azerbaijani and Russian]
- BARUZDIN, I. D., and G. A. BRYKINA. [Archaeological monuments in the Batken and Laili Districts (Southwestern Kirgizia)] Arkheologicheskie pamiatniki Batkena i Lailiaka (Tugo-Zapadnaia Kirgizia). Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 127 p.
- [BATTLE FOR THE VOLGA VALLEY; reminiscences of the participants in the Battle of Stalingrad] Bitva za Volgu; vospominaniia uchastnikov Stalingradskego srazheniia. 2., ispr. izd. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 442 p.
- ["THE BELL"; published by A. I. Herzen and N. P. Ogarev (the Free Russian Press) from 1857 to 1867, London - Geneva. Facsimile edition] Kolokol; gazeta A. I. Gertsena i N. P. Ogareva. Vol'naja Russkaia Tipografiia, 1857-1867 London-Zheneva. Faksimil'noe izdanie. Moskva, Izd-vo Akad. nauk SSSR. No. 5. London, 1962. 982-1268 p.
- BERZIN, E. O. [Struggle of the European powers for the Siamese market from 1830 through 1880] Bor'ba evropeiskikh derzhav za siamskii rynek, 30-80-e gody XVII v. Moskva, Izd-vo vostochnoi lit-ry, 1962. 260 p.
- BODIANSKII, V. L. [Bahrein; on the history of the countries of the Gulf of Persia] Bahrein; k istorii stran Persidskogo zaliva. Moskva, Izd-vo vostochnoi lit-ry, 1962. 167 p.
- BUKOV, K. I. [Victory on the Moscow front] Pobeda pod Moskvoi. Moskva, Uchpedgiz, 1962. 156 p.
- [COLLECTED REMINISCENCES ABOUT I. A. M. SVERDLOV] Rasskazy o Sverdlove; sbornik vospominanii. Moskva, Detgiz, 1962. 206 p. illus. (Istoriko-revoliutsionnaia biblioteka)
- DASHKEVICH, I. A. R. [Armenian colonies in the Ukraine in the historical sources and literature of the 15th - 19th centuries] Armianskie kolonii na Ukraine v istochnikakh i literature XV-XIX vekov; istoriograficheski ocherk. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 176 p.
- DONKOV, B. TS., and B. B. BATUEV. [Pravda on Buryat-Mongolia; on the fiftieth anniversary of the newspaper Pravda] Pravda o Buriatii; k 50-letliu gazety Pravda. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 53 p.
- GLADKOV, T. K. [John Read] Dzhon Rid. Moskva, Molodala gvardia, 1962. 287 p. (Zhizn' zamechatel'nykh liudei. Seriya biografii, no. 14[347])
- GLEBOV, S. S. [Victory of the Soviet regime in the southern Trans-Urals] Pobeda Sovetskoi vlasti v Iuzhnom Zaural'e. Kurgan, Sovetskoe Zaural'e, 1961. 146 p. (MH)
- [HANDS OF FRIENDSHIP] Ruki družby. [Red. N. Amelin, Chita] Chitinskoe knizhnoe izd-vo, 1961. 33 p. (MH)
- [HOW THE COMMUNIST PARTY STRUGGLED FOR THE CONSOLIDATION AND DEVELOPMENT OF SOCIALIST SOCIETY, 1937-JUNE 1941] Kommunisticheskaia partiia v bor'be za uprochenie i razvitie sotsialisticheskogo obshchestva (1937 god - iun' 1941 god); dokumenty i materialy. Moskva, Gospolitizdat, 1962. 403 p. (V pomoshch' izuchaiushchim istorii KPSS)
- HRYSKO, VASYL'. [Viacheslav Lypyn'skyi and his works] Viacheslav Lypyn'skyi i ioho tvorchist'. New York, Bulava, 1961. 85 p. (InU)
- IENDYK, ROSTYSLAV. [Message to my brothers] Slovo do brat'iv. Munich [Nakl. avtora] 1955. 191 p. (InU)
- INTERNATIONAL CONGRESS OF ORIENTALISTS, 23d, Cambridge, Eng., 1954. Delegation from the U.S.S.R. [Papers presented by the Soviet Delegation at the XXIII International Congress of Orientalists; Africa] Doklady Sovetskoi Delegatsii na XXIII Mezhdunarodnom kongresse vostoikovodov; sektiia Afriki. Moskva, Izd-vo Akad. nauk SSSR, 1954. 32 p. [In Russian and English]
- INTERNATIONAL CONGRESS OF ORIENTALISTS, 23d, Cambridge, Eng., 1954. Delegation from the U.S.S.R. [Papers presented by the Soviet Delegation at the XXIII International Congress of Orientalists; Altaic studies] Doklady Sovetskoi Delegatsii na XXIII Mezhdunarodnom kongresse vostoikovodov; sektiia Issledovaniia po altaistike. Moskva, Izd-vo Akad. nauk SSSR, 1954. 31 p. [In Russian and English]
- INTERNATIONAL CONGRESS OF ORIENTALISTS, 23d, Cambridge, Eng., 1954. Delegation from the U.S.S.R. [Papers presented by the Soviet Delegation at the XXIII International Congress of Orientalists; Egyptology] Doklady Sovetskoi Delegatsii na XXIII Mezhdunarodnom kongresse vostoikovodov; sektiia Egiptologii. Moskva, Izd-vo Akad. nauk SSSR, 1954. 60 p. [In Russian and English]
- KAHK, JUHAN. [Peasant movement and question in Estonia at the end of the 18th and the first quarter of the 19th century] Krest'ianskoe dvizhenie i krest'ianskii vopros v Estonii v kontse XVIII i v pervoi chetverti XIX veka. [Tallinn, Redaktsionno-izdatel'skii soviet Akad. nauk Estonskoi SSR, 1962] 475 p. [With summary in German]
- KARITSKII, K. D. [Guerrillas of Leningrad Province] Leningradskie partizany. Leningrad, Ob-vo po rasprostraneniui polit. i nauchn. znaniia RSFSR, 1962. 96 p.
- KOL'TSOV, P. S. [The Battle of Volochayevka] Volochayevskaia dni. Moskva, Gospolitizdat, 1962. 77 p. (Stranitsy istorii Sovetskoi Rodiny)
- KOMMUNISTICHESKAYA PARTIYA SOVETSKOGO SOIUZA. Arkhangel'skii oblastnoi komitet. Partinnyi arkhiv. [The Astrakhan Province party organization during the Great Patriotic War, 1941-1945; documents and source materials] Astrakhanskaya partiinala organizatsiia v gody Velikoi Otechestvennoi voyny 1941-1945 gg.; sbornik dokumentov i materialov. Astrakhan'. Izd-vo "Volga", 1962. 282 p.
- KOMOLOVA, N. P. [Class struggles in the Italian village, 1945-1950] Klassovye boi v Ital'ianskoi derevne, 1945-1950 gg. Moskva, 1963. 342 p.
- KRYP'IAKEVICH, I. P. [Sources of Galician history in the period of feudalism (up to 1772)] Dzhherela z istorii Halychyny periodu feodalizmu (do 1772 r.); ohiad publikatsii. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 82 p.
- KUL'BAKIN, V. D. [Studies on the recent history of Germany] Ocherki novelshei istorii Germanii. Moskva, Sotsekgiz, 1962. 669 p.
- KULESHOV, I. M., and B. V. BURKOVSKII. [Cruiser "Aurora" Kreiser "Aurora." [Leningrad] Lenzdat, 1962. 92 p.
- KUZNETSOV, S. A. [Green rocket; stories and sketches] Zelenaia raketa; rasskazy i ocherki. Moskva, Voenizdat, 1962. 81 p. (Biblioteka soldata i matrosa)
- [LAND OF OREL WAS THEIR BIRTHPLACE] Ikh Rodina - Orl'ovskii krai. [Orel] Orl'ovskoe knizhnoe izd-vo, 1962. 214 p.
- LANDA, R. G. [The national liberation movement in Algeria, 1939-1962] Natsional'no-osvoboditel'noe dvizhenie v Alzhire, 1939-1962 gg. Moskva, Izd-vo vostochnoi lit-ry, 1962. 289 p.
- LENIN, V. I. [Friendship with the peoples of the East] O družbe s narodami Vostoka. Moskva, Gos. izd-vo polit. lit-ry, 1961. 399 p. (WU)
- MAISKII, I. M. [Those who helped Hitler; reminiscences of the Soviet Ambassador] Kto pomogal Hitleru; iz vospominanii sovetskogo posla. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 197 p.
- MARTINSON, ERVIN. [Henchmen of the swastika] Naakristi teonrid. Tallinn, Eesti Riiklik Kirjastus, 1962. 277 p. [In Estonian]
- [MATERIALS OF THE CONFERENCE DEVOTED TO THE 30TH ANNIVERSARY OF THE KHAKASS AUTONOMOUS PROVINCE] 30-letie Khakasskoi avtonomnoi oblasti; iz materialov nauchnoi konferentsii. Abakan, Khakasskoe knizhnoe izd-vo, 1961. 97 p.
- [MILESTONES OF A GREAT ROAD; reminiscences on the civil war] Emny bol'shogo puti; vospominaniia o grazhdanskoi volne. Moskva, Voenizdat, 1962. 526 p.
- MIRCHUK, PETRO. [Stepan Banderu; a symbol of revolutionary uncompromisingness] Stepan Banderu; symvol revoliutsiinoi bezkompromisovosti. New York, Organizatsiia oborony chotyrokh svobod Ukrainy, Liga vyzvolennia Ukrainy, 1961. 169 p. (InU)
- MOSCOW. INSTITUT MEZHUNARODNYKH OTNOShENII. Kafedra istorii mezhdunarodnykh otnoshenii i vnosnoi politiki SSSR. [History of international relations and foreign policy of the USSR] Istorii mezhdunarodnykh otnoshenii i vnosnoi politiki SSSR. Pod red. V. G. Trukhanovskogo. Moskva, Izd-vo IMO. Vol. 2. 1930-1945 gg. 1962. 663 p.
- MOSCOW. TSENTRAL'NYI MUZEI V. I. LENINA. Leningradskii filial. [The apartment at 32 Karповka Quay; a guidebook] Kvartira na naberezhnoi reki Karповki, 32; put'evoditel'. [Leningrad] Lenzdat, 1962. 40 p. (Memorial'nye muzei V. I. Lenina v Leningrade)
- MUSHKATEROV, N. V. [Defense of Astrakhan and the defeat of counterrevolutionary forces in the Astrakhan region, 1918-1920] Oborona Astrakhani i razгром kontrrevoliutsionnykh sil v Astrakhanskem krae, 1918-1920 gg. Astrakhan', Izd-vo gazety "Volga", 1961. 101 p.
- NAIAKSHIN, K. IA. [Studies on the history of Kuybyshev Province (the former Samara Governorship)] Ocherki istorii Kuybyshevskoi oblasti, byv. Samarakoi gubernii. [Kuybyshev] Kuybyshevskoe knizhnoe izd-vo, 1962. 621 p.
- NARODNO-TRUDOVOI SOIUZ. [Truth about Hungary] Pravda o Vengrii [Frankfurt am Main, Pöschel-Verlag, 1956?] 100 p. (NN)
- NELAEV, V. A. [Pavel Efimovich Dybenko, Moskva, Tsent. muzei Sovetskoi Armii, 1962. 10 p.
- NIKIFOROV, G. P. [The young eagle; an account of the life of N. E. Fedoseev in Vladimir] Orel molodoi; ocherk o zhizni N. E. Fedoseeva vo Vladimire. [Vladimir] Vladimirenskoe knizhnoe izd-vo, 1962. 174 p. (MH)
- [NINE HUNDRED DAYS; literary sketches and source materials devoted to the heroic defense of Leningrad during the Great Patriotic War] Deviat'sot dni; literaturno-khudozhestvennyi i dokumental'nyi sbornik, posviashchennyi geroiicheskoii oborone Leningrada v gody Velikoi Otechestvennoi voyny. [Leningrad] Lenzdat, 1962. 599 p.
- NOVOGRUDSKII, G. S., and A. M. DUNAIEVSKII. [In Pao T'i-san's footsteps; story of a research problem] Po sledam Pau; istoriia odnogo literaturnogo polaka. Moskva, Voenizdat, 1962. 246 p.
- OBOLINSKII, A. V., kniaz'. [My reminiscences and reflections] Moi vospominaniia i razmyshleniia. Stockholm, Izd. zhurnala "Rodnye perezyony", 1961. 191 p. (MH)
- OGHUR, V. CH. [The national liberation revolution in Tuva, Tuvinskiiatsional'no-osvoboditel'naiarevoliutsiia. Red. S. K. Toka, Kyzyl, Tuvknigizdat] 1961. 118 p. [In Tuva] (MH)

5. SOCIAL SCIENCES

- PAROMCHYK, H. L. [The Koldychevo tragedy] Kaldychouskaya tragediya. Minsk, 1962. 73 p. (Biblioteka gazety "Holos Radzimy")
- PETROV, V. I. [M. I. Kalinin in the Ukraine in 1920] M. I. Kalinin na Ukraine, 1920 god. Kiev, Gospolitizdat USSR, 1962. 70 p. (MH)
- PETROV, V. S. [Glorious career of a Bolshevik; the life and works of I. N. Barakhov] Slavnyi put' bol'shevik; o zhizni i delatel'nosti I. N. Barakhova. Irkutsk, Irkutskoe knizhnoe izd-vo, 1961. 74 p. (MH)
- PUASHIEV, N. F. [Vatslav Vorovskii; revolutionary, critic, and diplomat] Vatslav Vorovskii; revoliutsioner, kritik, diplomat. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 29 p.
- PIKUS, N. N., and others. [History of ancient Greece] Istorija drevnei Gretsii. [By] T. V. Blavatskaya i dr. Pod red. V. I. Avdeeva i N. N. Pikusa. Moskva, Vysshaya shkola, 1962. 501 p. maps.
- POCHEBUT, G. A., and B. G. MALKIN. [A. E. Badaev; deputy of St. Petersburg workers] A. E. Badaev; deputat peterskiikh rabochikh. [Leningrad] Lenizdat, 1962. 166 p.
- POD'TAPOL'SKAYA, E. P. [The Bulavin uprising, 1707-1709] Vostanie Bulavina, 1707-1709. Moskva, Izd-vo Akad. nauk SSSR, 1962. 213 p.
- POLOSIN, I. I. [Social and political history of Russia in the 16th and beginning of the 17th century] Sotsial'no-politicheskaya istoriya Rossii XVI-nachala XVII vv.; sbornik statoi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 382 p.
- POLUPANOV, A. V. [Liberty or death] Svoboda ili smert'. Simferopol', Krymizdat, 1958. 190 p. (RU)
- [RECENT HISTORY, 1939-1962] Novitnia istoriya, 1939-1962. [By] O. S. Bellis na inshi. [L'viv] Vyd-vo L'viva'koho univ. Pt. 2, 1962. 470 p.
- [RED BANNER OVER THE KREMLIN; reminiscences of participants in the revolutionary battles in Moscow in October, 1917] Krasnoe znamia nad Kremlem; sbornik vospominanii uchastnikov revoliutsionnykh boev v Moskve v oktjabre 1917 goda. Moskva, Gospolitizdat, 1962. 93 p. (Stranitsy istorii Sovetskoi Rodiny)
- [REVOLUTIONARY COMMITTEES OF ABKHAZIA IN THE STRUGGLE TO ESTABLISH AND CONSOLIDATE THE SOVIET REGIME (Feb. 1921-Feb. 1922); documents and materials] Revoliutsionnye komitety Abkhazii v bor'be za ustanovlenie i uprochnenie Sovetskoi vlasti (fev. 1921 g. - fev. 1922 g.); sbornik dokumentov i materialov. Sukhumi, Abgosizdat, 1961. 423 p. (CSU-II)
- RIVOSH, E. IU. [P. P. Postyshev; a biographical sketch] P. P. Postyshev; biograficheski ocherk. Moskva, Gospolitizdat, 1962. 92 p. (CSU-II) (CTY)
- RUBINSHTEIN, R. I. [Recent archaeological finds in Egypt] Novieshie arheologicheskie otkrytiia v Egipte. Moskva, Vysshaya shkola, 1962. 70 p. (V pomoshch' studentu istorii)
- RUSSIA. Ministerstvo inostrannykh del. [Russian foreign policy in the 19th and the early 20th centuries; documentary materials of the Russian Ministry of Foreign Affairs] Vneshtniaia politika Rossii XIX i nachala XX veka; dokumenty rossiiskogo Ministerstva inostrannykh del. Seriya pervaya, 1801-1815 gg. Moskva, Gospolitizdat. Vol. 6. 1811-1812 gg. 1962. 864 p. [In French and Russian]
- RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego obrazovaniia. [Program for the history of the U. S. S. R. for history faculties in State universities] Programma po istorii SSSR dlia istoricheskikh fakul'tetov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1959. 60 p. (ICU)
- RUSTAMOV, M. A. [Formation and development of the Soviet Azerbaijan intelligentsia] Azerbaichan Sovet zitalyarynyn formalamasy ve inkielafy. Baki, Azerbaichan SSR Elmier Akademiasy neshriliat', 1963. 185 p. [In Azerbaijanian]
- SAFRONOV, V. P. [The October Revolution in Siberia; how the Siberian Bolsheviks struggled for the victory of the Great October Socialist Revolution, February 1917-March 1918] Oktjabr' v Sibiri; bol'sheviki Sibiri v bor'be za pobedu Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii, fevral' 1917-mart 1918 g. [Krasnodarsk] Krasnodarskoe knizhnoe izd-vo, 1962. 711 p.
- SAPAROV, A. V. [Four notebooks; a tale of the war years] Chetyre tetradi; povest' voennykh let. [Leningrad] Lenizdat, 1962. 406 p.
- SAVITSKII, A. K. [Suvorov in 1799; an essay] Suvorov v 1799 godu; ocherk. Paris, Izd. Kruzhka ljubitel' russkoi stariny, 1949. [23] p. (IEN)
- SEGAL, E. A. Sofia Perovskaia. Moskva, Izd-vo "Molodaiia gvardiia," 1962. 394 p. (Zhizn' zamechatel'nykh liudei: Seriya biografii, no. 15(348))
- SHARAPOV, IU. P. [Hostile winds] Vikhri vrazhdobnye. Moskva, Gospolitizdat, 1962. 78 p. (Stranitsy istorii Sovetskoi Rodiny)
- SHATROVA, G. P. [Decembrists and Siberia] Dekabristy i Sibir'. Tomsk, Izd-vo Tomskogo univ., 1962. 173 p.
- SHEVERDAL'KIN, P. R. [On the other side of the front] Po tu storonu fronta. [Leningrad] Lenizdat, 1962. 167 p.
- SEKHARULIDZE, S. K., and L. MEPAVISHVILI. [Shio Chitadze; a biographical sketch] Shio Chitadze; biografichnyi narys. Kyiv, Radians'kii pys'mennyk, 1962. 70 p. (MH)
- SOKHAN, P. S. [Ardent revolutionary; Georgi Dimitrov's life and revolutionary work] Plamennyi revoliutsioner; zhizn' i revoliutsionnaia deiatel'nost' Georgiia Dimitrova. Kiev, Izd-vo Akad. nauk USSR, 1962. 214 p.
- STEPANOV, E. P. [Along partisan paths] Partizanskimi tropami. Simferopol', Krymizdat, 1961. 306 p. (CSU-H)
- [THE 300TH ANNIVERSARY OF THE CITY OF KURGAN, 1662-1962] 300 let Kurganu; 1662-1962 gg.; kratkii istoricheskii ocherk. [By] N. A. Laphin i dr. Kurgan, Izd-vo gazety "Sovetskoe Zauralie," 1962. 161 p.
- TOLSTOV, S. P. [In the ancient deltas of the Oxus and Jaxartes] Po drevnim del'tam Oksa i Iakhsarta. Moskva, Izd-vo vostochnoi lit-ry, 1962. 321 p.
- VASIL'EV, A. S. [We did not surrender] My ne sdalis'. Moskva, Voenizdat, 1963. 164 p.
- VINOGRADOV, K. B. [Bourgeois historiography of the First World War; the origin of the war and the international relations of 1914-1917] Burzhuaznaia istoriografiia Pervoi mirovoi voyny; proiskhozhdeniie voyny i mezhdunarodnye otnosheniia, 1914-1917 gg. Moskva, Sotsekgiz, 1962. 400 p.
- VOLIN, S. [Mensheviks in the Ukraine, 1917-1921] Men'sheviki na Ukraine, 1917-1921. New York, 1962. 137 p. (Inter-University Project on the History of the Menshevik Movement. Paper, no. 11) MH CSU-H
- VOSTRIKOV, A. I. [Tibetan historical literature] Tibet-skaya istoricheskaya literatura. Moskva [Izd-vo vostochnoi lit-ry, 1962] 426 p. (Biblioteka Buddhica, no. 32)
- WYNAR, LUBOMYR. [Andrii Volynarova'skyi; a historical study] Andrii Volynarova'skyi; istorichnyi narys. Vstupna stattia Oleksandra Ohlobyna. Munich, Vyd-vo "Dnirova khvyliia," 1962. 127 p.
- ZAKHODER, B. N. [Consolidated information on the Caspian Sea region and Eastern Europe; Gorgan and the Volga Valley in the 9th and 10th centuries] Kaspiiskii svod svadenii o Vostochnoi Evrope; Gorgan i Povolzh'e v IX-X vv. Moskva, Izd-vo vostochnoi lit-ry, 1962. 278 p.
- ZUBANOV, S. A. [The paths of guerrilla units] Partizanskimi tropami. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1962. 66 p. map.
- AKADEMIA NAUK SSSR, Institut ekonomiki. [Economics] Politicheskaya ekonomika; uchebnik. 4., perer. i dop. izd. Moskva, Gospolitizdat, 1962. 702 p.
- AKADEMIA NAUK SSSR, Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [Economic cooperation and mutual aid in socialist countries] Ekonomicheskoe sotrudnichestvo i vzaimopomoshch' sotsialisticheskikh stran. Moskva, Izd-vo Akad. nauk SSSR, 1962. 272 p.
- AKADEMIA NAUK SSSR, Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [The building of communism in the U. S. S. R. and cooperation among the socialist countries] Stroitel'stvo kommunizma v SSSR i sotrudnichestvo sotsialisticheskikh stran. Pod obshch. red. G. M. Sorokina. Moskva, Ekonomizdat, 1962. 334 p.
- AKADEMIA NAUK SSSR, Otdelenie filosofskikh i pravovykh nauk. [From socialism to communism] Ot sotsializma k kommunizmu. Moskva, Izd-vo Akad. nauk SSSR, 1962. 749 p.
- AKADEMIA NAUK SSSR, Sovet po izucheniiu proizvoditel'nykh sil. [Ways of developing agriculture in the Altai; problems in the distribution and specialization of collective-farm production] Puti razvitiia sel'skogo khozaistva Altai; voprosy razmeshcheniia i spetsializatsii kolhoznoho proizvodstva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 214 p.
- AKADEMIA NAUK USSR, Kiev, Institut ekonomiki. [Economic efficiency of capital investments and the introduction of new machinery in industry] Ekonomichna efektyvnist' kapital'nykh vkladov i vprovadzhennia novoi tekhniki u promyslovosti. Kyiv, Vyd-vo Akad. nauk USSR, 1962. 260 p.
- AKADEMIA NAUK USSR, Kiev, Institut ekonomiki. [Labor productivity and hidden potentials for increasing it in socialist agriculture] Produktivnist' pratsi ta rezervy li pidvyshcheniia v sotsialisticheskonomu sil's'komu hospodarstvi. Kyiv, Vyd-vo AN USSR, 1962. 264 p. (Problemy komunistskoho budivnytstva v avitli rishen' XXII z'lydu KPRS)
- AKADEMIA NAUK USSR, Kiev, Institut ekonomiki. [Problems of labor productivity statistics in industry and agriculture] Pytannia statystiky produktivnosti pratsi v promyslovosti i sil's'komu hospodarstvi. Vyd-vo AN USSR, 1962. 302 p.
- AKADEMIA NAUK USSR, Kiev, Institut suspil'nykh nauk. [Comprehensive utilization of raw material resources in the western regions of the Ukraine] Kompleksne vykorystannia syrovynnykh resursiv zachidnykh raioniv USSR, Kyiv, Vyd-vo Akad. nauk USSR, 1962. 198 p.
- AKADEMIA NAVUK BSSR, Minsk, Institut ekonomiki. [Economic resources in socialist industry] Rezervy ekonomii v sotsialisticheskoi promyshlennosti. Minsk, 1961. 268 p. (MH)
- AKHIMEDOVA, N. B. [Soviet Kazakhstan during 40 years; the development of the economy and culture of Kazakhstan during the years of the Soviet regime] Sovetski Kazakhstan za 40 let; rastsvet ekonomiki i kul'tury Kazakhstan za gody Sovetskoi vlasti. Alma-Ata, Ob-vo po rasprostraneniui polit. i nauchn. znani Kazakhstan SSR, 1961. 40 p. (MH)
- ANDREEV, B. S. [Forming communist production relations] Formirovaniie kommunisticheskikh proizvodstvennykh otnoshenii. [Leningrad] Lenizdat, 1962. 68 p.
- AVDAKOV, IU. K., and F. IA. POIANSKII, eds. [Economic history of capitalist countries] Ekonomicheskaya istoriya kapitalisticheskikh stran; kurs lektsii. Moskva, Sotsekgiz, 1962. 684 p.
- BAGRAMOV, L. A. [British sketches] Angliiskie zariavki. Moskva, Izd-vo "Sovetskaya Rossiia," 1962. 60 p.
- BAHROVIC, ANDREJ. [Population of the White Russian S. S. R. according to the census of 1959] Zhycharstva Belaruskie SSR u s'viatle perapisu 1959 hoda. New York, Koshtam fundatsii im. Petry Krecheuskaha, 1962. 88 p.
- BAKHITIN, M. I. [Union of workers and peasants during the reconstruction of the national economy, 1921-1925] Soluz rabochikh i krest'ian v gody vosstanovleniia narodnogo khozaistva, 1921-1925. Moskva, Sotsekgiz, 1961. 291 p. (MH)

- BAKULEV, G. D. [Fuel industry of the U. S. S. R. and the economic efficiency of capital investments for developing it] *Toplivnaya promyshlennost' SSSR i ekonomicheskaya effektivnost' kapitalovlozhenii v ee razvitie*. Moskva, Izd-vo Akad. nauk SSSR, 1961. 190 p.
- BLIJUMIN, I. G. [Criticism of bourgeois economics] *Kritika burzhuaznoi politicheskoi ekonomii*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 378 p.
- BORODKIN, F., and I. U. MAKSIMOV. [Method for short unplanned observations used in enterprises of capitalist countries] *Metod sluchainykh momentnykh nabludeni; iz opyta primeneniia na predpriatiakh kapitalisticheskikh stran*. Pod red. P. M. Orlova. Moskva, Nauchno-issl. in-t truda Gos. kom-ita Soveta Ministrov SSSR po voprosam truda i zarabotnoi plati, 1961. 59 p. [MICROFILM]
- BOROZDIN, A. A., and others. [Economic effectiveness of the introduction of new techniques in heat insulating operations] *Ekonomicheskaya effektivnost' vnedreniia novoi tekhniki v proizvodstvo teploizolatsionnykh rabot; opyt trestia Stroitermopolzatsiia*. Moskva, Gosstatizdat, 1962. 86 p.
- BURIATSKAIA KONFERENTSIIA PO OKHRANE PRIRODY. 1st, Ulan-Ude, 1961. [Problems in the protection of nature in the Buryat A. S. S. R.] *Voprosy okhrany prirody Buriatii; materialy*. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 125 p.
- BUTKO, S. D., and others. [Accounting on collective farms] *Bukhgalterskii uchët v kolkhozakh*. Pod red. S. D. Butko. Kiev, Gosstatizdat USSR, 1962. 417 p.
- CHAPKEVICH, V. S. [Communism begins today] *Kommunizm nachinaetsia segodnia*. Leningrad, Ob-vo po raspr. polit. i nauchn. znaniu RSFSR, 1962. 76 p.
- [COLLECTED ARTICLES ON ECONOMIC PROBLEMS] *Sbornik po ekonomicheskimi voprosam*. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1961. 163 p.
- DANYLIUK, Z. Z., and V. O. SUPRUN. [German Democratic Republic is an advanced post of socialism in the West] *Nimetskaia Demokraticheskaia Respublika - forpost sotsializmu na Zakhodi*. Kyiv, 1962. 54 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Seriya 4, no. 11)
- DAVYDOV, I. M., and G. M. MANAFOV. [For the perfect organization of production] *Za vysokuiu kul'turu proizvodstva*. Baku, Azernashr, 1962. 70 p.
- DEMCHENKO, M. V. [Workers' and peasants' movement in the Ukraine during the period of the Stolypin reaction, 1907-1910] *Rohilnychyl i selians'kyl rukh na Ukraini v period stolypins'koi reaktsii, 1907-1910 rr.* [Kyiv] 1950. 69 p. (Cst-II)
- DENISEV, V. I. [Work organization in lumbering camps] *Organizatsiia proizvodstva na lesozagotovkakh*. Moskva, Goslesbumizdat, 1962. 123 p.
- [DIRECTORY OF COMMUNICATION SERVICES] *Spravochnik ob uslugakh svyazi*. [Sost. G. A. Gusev i dr.] Moskva, Svyaz'izdat, 1961. 200 p. (NNC)
- DZUBINSKAIA, I. A. S. [Which documents attest the length of service in awarding government pensions] *Kakimi dokumentami podtverzhdaetsia trudovoi stazh pri naznacheni gosudarstvennykh pensii*. Moskva, Gosstatizdat, 1962. 52 p.
- [THE ECONOMY OF CAPITALIST COUNTRIES IN 1961; economically developed countries] *Ekonomika kapitalisticheskikh stran v 1961 godu; ekonomicheski razvitye strany*. Pod red. I. U. N. Kapetinskogo. Moskva, Sotsekgiz, 1962. 447 p.
- EDEL'SHTEIN, I. V., V. A. DUKHLII, and M. S. LEVIN. [Financing and issuing credit to agricultural enterprises] *Finansirovaniie i kreditovaniie sel'skokhoziaistvennykh predpriatii*. Kiev, Gosstatizdat USSR, 1962. 347 p.
- EGANOV, G. L. [Problems of the economic development of the U. S. S. R. in the work of the economic geographers of the U. S. A.] *Problemy ekonomicheskogo razvitiia SSSR i stran narodnoi demokratii v trudakh ekonomiko-geografov SShA*. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 241 p.
- [THE FIFTH INTERNATIONAL SOCIOLOGICAL CONGRESS] *V Mezhdunarodnyi sotsiologicheskii kongress*. Moskva, Izd-vo "Znanie," 1963. 48 p. (Novoe v zhizni, nauke, tekhnike. II Seriya: Filosofii, no. 4)
- FILIMONOV, N. P. [The Leninist road to communism] *Leninskii put' k kommunizmu*. Moskva, Ekonomizdat, 1962. 133 p.
- GANCHEVA, I. A. [Indices of proportions in the national economy] *Voprosy chislovogo izmereniia narodno-khoziaistvennykh proporsii*. Kishinev, Izd-vo "Shtiintsa" Moldavskogo filiala Akad. nauk SSSR, 1960. 54 p.
- GENDIN, A. M. [How the Bolsheviks nationalized private banks; facts and documents on the post-October days in Petrograd] *Kak bol'sheviki natsionalizirovali chastiye banki; fakty i dokumenty posleoktiabskikh dnei v Petrograde*. Predisl. I. I. Mintsa. Moskva, Gosstatizdat, 1962. 141 p.
- GORELOV, N. M. [Mechanization of accounting in an enterprise] *Mekhanizatsiia bukhgalterskogo ucheta na predpriatii*. Moskva, Gosstatizdat, 1962. 47 p.
- GORIACHKIN, M. L. [Economic basis of the methods of agricultural mechanization] *Ekonomicheskoe osnovaniie sposobov mekhanizatsii sel'skokhoziaistvennogo proizvodstva*. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 262 p. (CU)
- GRACHEV, N. P., I. U. A. GRIGOR'EV, and A. F. MUKHIN. [Accounting in the foreign trade of the U. S. S. R.] *Uchet vo vnesheinei torgovle SSSR*. Moskva, Vneshtorgizdat, 1962. 300 p.
- [GREAT 20 YEARS; visual aid] *Pro Volyke dvadtsatylitichetia; nauchnyi posibnyk*. [Kyiv, Derzhpolityvyd URSS, 1962] 62 p. (Na dopomohu agitatorovi)
- [GROWTH OF THE SOCIAL PRODUCT AND THE PROPORTIONS OF THE NATIONAL ECONOMY OF THE U. S. S. R.] *Rost obshchestvennogo proizvodstva i proporsii narodnogo khoziaistva SSSR*. Moskva, Sotsekgiz, 1962. 453 p.
- GUKASIAN-GANDZAKETSI, L. G. [French imperialism and Africa] *Frantsuzskii imperializm i Afrika*. Moskva, Izd-vo vostochnoi lit-ry, 1962. 398 p.
- GULIEV, A. N. [The Baku proletariat during the new stage of revolutionary activity] *Bakinskii proletariat v gody novogo revoliutsionnogo pod'ema*. Baku, Azernashr, 1963. 297 p.
- GVIISHIANI, D. M. [Business sociology; critical study of the American theory of management] *Sotsiologiya biznesa; kriticheskii ocherk amerikanskoi teorii menedzhmenta*. Moskva, Sotsekgiz, 1962. 193 p.
- [HEROIC DEEDS OF 5000 YOUNG CONSTRUCTION WORKERS] *Podvighi P'iaty tysach*. [By] V. Baklanov i inshi. Kyiv, Vyd-vo "Molod", 1961. 106 p.
- HU, HSÜ-WEI, and others. [Eastern China. Translated from the Chinese] *Vostochnyi Kitai*. Otv. red. kitaiskogo izd. Sun' Tsin-chzhi. Moskva, Izd-vo inostr. lit-ry, 1962. 393 p. maps.
- HUNGARY. *Központi Statisztikai Hivatal*. [Hungarian statistical manual for 1959] *Vengerskii statisticheskii spravochnik*, 1959. Budapest, Izd-vo ekon. i turiz. lit-ry, 1960. 327 p. [MICROFILM]
- [I LOVE YOU, LIFE; letters, diaries, notes of our contemporaries] *Liublu tebia, zhizn'; pis'ma, dnevniki, zapiski nashego sovremennika*. Moskva, Izd-vo "Pravda," 1963. 79 p. (Biblioteka "Komsomol'skoi pravdy," no. 1)
- ISPIRIAN, G. P., and A. G. MERZON. [Analysis of the production operations of leather factories] *Analiz proizvodstvennoi deiatel'nosti kozhevennykh zavodov*. Moskva, Rostekhzdat, 1962. 90 p.
- JURGINS, J. [Development of serfdom in Lithuania] *Baudziavos isagalejimas Lietuvoje*. Vilnius, Valstybine politines ir mokines literaturos taisykla, 1962. 342 p. [In Lithuanian]
- KAMENEVA, T. A., and P. M. KHAUSTOV. [The resources of Murman will be made available to the people] *Bogatstva Murmana, narodu*. [Murmansk] Murmanskoe knizhnoe izd-vo, 1961. 60 p. (MR)
- KATS, G. B. [Preparation in the making of new products] *Podgotovka proizvodstva novoi produktii*. Moskva, Ekonomizdat, 1962. 89 p.
- KHOROSHEVICH, A. L. [Great Novgorod's trade with the Baltic region and Western Europe in the 14th and 15th centuries] *Torgovlia Velikogo Novgoroda s Priбалтикой i Zapadnoi Evropoi v XIV-XV vekakh*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 363 p.
- KHRIPLIVYI, F. P. [Economics of the production of sugar beets as exemplified by the collective farms of the Moldavian S. S. R.] *Ekonomika proizvodstva sakharnoi svekli; na primerakh kolkhovov Moldavskoi SSR*. Pod red. I. V. Shirokova. Kishinev, Izd-vo "Shtiintsa," 1961. 35 p.
- KHROMUSHIN, G. V. [Anticommunism in a blind alley] *Antikommunizm v tupike*. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. III Seriya: Ekonomika, no. 3)
- KONICHEV, K. I. [There where the fetters of slavery are being torn] *Tam, gde ryvut okovy rabstva*. [Leningrad] Lenizdat, 1962. 109 p.
- KORNEEV, V. I. [Mail delivery service in Leningrad] *Dostavochnaia sluzhba Leningrada*. Moskva, Svyaz'izdat, 1962. 24 p. (Opyt peredovykh svyazistov)
- KOROBOVA, N. M. [Labor productivity in agriculture and ways for increasing it] *Proizvoditel'nost' sel'skokhoziaistvennogo truda i puti ee povysheniia*. [Leningrad] Lenizdat, 1962. 60 p. (Nasheniia XXII s'ezda KPSS - v zhitii)
- KOROL', N. S. [Future development of the collective-farm system and property relations] *Dareshi razvych kolhospnogo lada i vidnosy vlasnosti*. Kyiv, Derzh. vyd-vo polit. lit-ry URSS, 1961. 66 p.
- KOROTKOV, V. S. [Benefits for youths working in enterprises and institutions] *L'goty podrostkam, rabotashchikh na predpriatiakh i v uchrezhdeniakh*. Moskva, Gosstatizdat, 1962. 66 p. (L'goty po sovetskoi zakonodatel'stvu)
- KOZIN, I. U. V., A. S. MINEVICH, and KH. KH. A. I. TASHULER. [Economic effectiveness of automation in the mining industry] *Ekonomicheskaya effektivnost' avtomatizatsii v gornoi promyshlennosti*. Moskva, Gosstatizdat, 1963. 251 p.
- KOZLOVA, M. G. [Burma on the eve of British conquest; its social order and state system] *Birma nakanune angliskogo zavoevaniia; obshchestvennyi i gosudarstvennyi stroi*. Moskva, Izd-vo vostochnoi lit-ry, 1962. 176 p.
- KRASAVIN, N. N. [Ways to improve the economic efficiency of the use of land in agriculture] *Puti povysheniia ekonomicheskoi effektivnosti ispol'zovaniia zemli v sel'skom khoziaistve*. Moskva, Ekonomizdat, 1962. 132 p.
- KUCZYNSKI, JÜRGEN. [History of working conditions in France from 1700 to 1948. Translated from the German] *Istoriia uslovii truda vo Frantsii s 1700 po 1948 g.* Predisl. V. V. Liubimovoi. Moskva, Izd-vo inostr. lit-ry, 1960. 272 p. (InU)
- KULINICH, I. M., and I. A. PETERS. [Economic cooperation between the Ukrainian S. S. R. and socialist countries] *Ekonomicheskoe spivrobitnytstvo Ukrain's'koi RSR z kralnamy sotsializmu*. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 54 p.
- KUZ'MINOV, I. I. [Postwar capitalist cycle] *Pastevocnyi kapitalisticheskii tsikl*. Moskva, Sotsekgiz, 1962. 187 p.
- KUZNETSOV, I. G. [Case problems in collective-farm accounting] *Sbornik uprazhnenii po bukhgalterskomu uchetu v kolkhozakh; skvoznaia zadacha po planu v 23 schetov*. Moskva, Gosstatizdat, 1962. 209 p.
- LATVIAN S. S. R. *Valsts zinatniski tehniska tomkoja*. [Flourishing of the national economy of Soviet Latvia] *Rastvet narodnogo khoziaistva Sovetskoi Latvii; sbornik statei*. Pod red. K. G. Tolmacheva. Riga, 1958. 285 p.
- LEBEDEVA, A. K. [Joy of friendship] *Radoet' družby*. [Moskva] Profizdat, 1962. 78 p. (Massovaya biblioteka rabochego)

- LENINGRAD. UNIVERSITET. [Hidden potentials for increasing labor productivity in the national economy] Rezervy rosta proizvoditel'nosti truda v narodnom khoziaistve. [Leningrad] Izd-vo Leningr. univ., 1962. 223 p.
- LIKHOBA, I. G. [Proper course; economics in the center of attention] Vernyi kurs; ekonomika - v tsentre vnimanija. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no. 4)
- LOS', F. IE. [The working class in the Ukraine from 1907 to 1913] Robitnychi klasi Ukrainy v 1907-1913 rokakh. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 194 p. (CSi-H) (MH)
- LUK'IANOV, IU. A. [Grimaces of the past] Grimasy proshlogo. [Leningrad] Lenizdat, 1962. 56 p.
- MAGARIN, N. S. [Call idlers to account] Tunesidtsy - k otvetu. [Odessa] Odesskoe knizhnoe izd-vo, 1961. 32 p.
- MALAKHOV, I. K. [Case problems on the fundamentals of the organization of an industrial enterprise; for accountants] Sbornik zadach po osnovnym organizatsii promyshlennogo predpriiatiia; uchebnoe posobie dlia kursov podgotovki i povysheniia kvalifikatsii bukhgalterov promyshlennosti. Moskva, Ekonomizdat, 1962. 116 p.
- [THE MATERIAL AND TECHNOLOGICAL BASE OF COMMUNISM; concise manual] Material'no-tekhnicheskaya baza kommunizma; kratkii spravochnik. Moskva, Gosstatizdat, 1962. 141 p.
- MEKHRAEV, E. K. [Present-day condition of the Mugan economy and some problems of its further development] Mugan dzuu tesserufatynyn muasir vazifeti ve keleshek inkihafynyn be'zi mesecleri. Baki, Azerbaidzhan SSR elmler Akademiyasy neshriiaty, 1963. 148 p. [In Azerbaijani]
- MOLIAKOV, D. S., and others. [Financing the national economy] Finansirovaniye narodnogo khoziaistva. Moskva, Gosfinizdat, 1962. 319 p.
- MOSCOW. UNIVERSITET. Kafedra statistiki. [Economic statistics] Ekonomicheskaya statistika; kurs lektsii. Pod red. D. V. Savinskogo. [Moskva] Izd-vo Mosk. univ., 1962. 270 p.
- MOSCOW. VYSSHAIA ZAUCHNAIA SHKOLA PROFDOVIZHENIYA. [Book of the trade-union committee chairman; aid to the factory, plant and workshop committee chairman] Kniga predsedatelya komiteta profsoyuza; v pomoshch' predsedatelyu fabrichnogo, zavodskogo, tsekhovogo komiteta. [Moskva] Profizdat, 1962. 356 p.
- MOSCOW. VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR. [The Exhibition of the Achievements of the National Economy of the U. S. S. R. of 1959; guidebook] Putevoditel' 1959. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroi, lit-ry, 1959. 303 p.
- MUKHIN, A. I. [German Democratic Republic; economic geography] Germanskaya Demokraticheskaya Respublika; ekonomicheskaya geografiya. Izd. 2., dop. i perer. Moskva, Izd-vo IMO, 1962. 225 p.
- MUKHIN, S. G. [From the Twenty-first to the Twenty-second; Perm Province between the party congresses] Ot dvadtsat' pervogo k dvadtsat' vtoromu; Permskaya oblast' mezhdu partiinymi s'ezdami. [Perm'] Permskoe knizhnoe izd-vo, 1961. 86 p. (MH)
- [NATIONAL ECONOMY OF THE UKRAINIAN S. S. R. in 1961; statistical yearbook] Narodnoe hospodarstvo Ukrainy'koi RSR v 1961 rotsi; statychnyi shchorichnyy. Kyiv, Derzh. stat. vyd-vo, 1962. 760 p.
- NAUCHNO-EKONOMICHESKAYA KONFERENTSIYA PO STROITEL'STVU V MOLDAVSKOI SSR, Kishinev, 1961. [Problems of the economics of capital construction in the Moldavian S. S. R.] Voprosy ekonomiki kapital'nogo stroitel'stva v Moldavskoi SSR; materialy. Kishinev, Shtiintsa, 1962. 145 p.
- NEMCHINOV, V. S. [Mathematical economics methods and models] Ekonomiko-matematicheskie metody i modeli. Moskva, Sotsekgiz, 1962. 409 p.
- NIKIFOROV, V. N., and T. V. PETROVA. [Discharge of workers at their request] Uvolnenie po sobstvennomu zhelaniyu. Moskva, Gosfinizdat, 1962. 80 p. (Iuridicheskie konsultatsii dlia naseleniya v voprosakh i otvetakh)
- OLENIK, I. P. [The victory of socialism in Rumania] Pobeda sotsializma v Rumynii. Moskva, Ekonomizdat, 1962. 215 p.
- ONAT'S'KYI, IEVHEN. [Thirst for justice; sketches of social life] Spraha spravedyvosti; narysy z suspil'noho zhyttia. Buenos Aires, Peremoha, 1960. 132 p. (U) (NN)
- OSTANOVSKII, T. S. [Paper, cardboard, school stationery and office equipment and supplies; manual] Bumaga, karton, shkoi'no-pis'mennye i kantseliarskie tovary; spravochnik. Moskva, Gostorgizdat, 1962. 151 p.
- PEKKER, IA. I. [Socialist transformation of agriculture] Sotsialisticheskoe preobrazovanie sel'skogo khoziaistva. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 93 p.
- PERESLEGIN, V. I. [Regime of economy during the period of the building of communism] Rezhim ekonomii v period stroitel'stva kommunizma. Moskva, Gosfinizdat, 1962. 86 p.
- PETROV, A. S. [Work and the creative capacity of the masses] Trud i tvorchestvo massa. Moskva, Sotsekgiz, 1962. 185 p.
- POPOV-CHERKASOV, I. N. [Work compensation for workers and employees in the forest economy of the U. S. S. R.] Voznagrazhdenie za trud rabochikh i sluzhashchikh v lesnom khoziaistve SSSR. Moskva, Goslesbumizdat, 1962. 162 p.
- PORADNIA, A. I., and others. [Planning and accounting in housing construction combines] Planirovaniye i uchety v domostroitel'nykh kombinatakh; na opyte Lenin-gradskikh DSK. Leningrad, Gos. izd-vo lit-ry po stroit., arkhitekt. stroit. materialam, 1962. 102 p.
- RAKITSKII, B. V. [Public resources available for consumption] Obshchestvennye fondy potrebleniya. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriya: Ekonomika, no. 2)
- REPUBLIKANSKOE EKONOMICHESKOE SOVESHCIA-NIE PO SEL'SKOMU KHOZIAISTVU, Kishinev, 1959. [Problems of the economics of the agriculture of Moldavia] Voprosy ekonomiki sel'skogo khoziaistva Moldavii; materialy. Kishinev, Izd-vo "Shtiintsa," 1960. 182 p.
- RODOV, A. B. [Automation and human labor] Avtomatizatsiya i trud cheloveka. Moskva, Izd-vo "Znanie," 1963. 38 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 2)
- RUSSIA (1917- R. S. F. S. R.) Ministerstvo finansov. [On the state budget of the R. S. F. S. R. for 1963 and on the carrying out of the state budget of the R. S. F. S. R. for 1961; a report...] The law of the Russian Federation of Soviet Socialist Republics on the state budget of the Russian Federation of Soviet Socialist Republics for 1963] O Gosudarstvennom budzhetze RSFSR na 1963 god i ob ispolnenii Gosudarstvennom budzhetze RSFSR za 1961 god. Doklad i zaklyuchitel'noe slovo Ministra finansov RSFSR deputata I. I. Fadeeva na sed'moi sessii Vysshenogo Soveta RSFSR platogo sozyva 10 i 20 dekabrya 1962 goda. Zakon Rossiiskoi Sovetskoi Federativnoi Sotsialisticheskoi Respubliki o Gosudarstvennom budzhetze Rossiiskoi Sovetskoi Federativnoi Sotsialisticheskoi Respubliki na 1963 god. Moskva, Gosfinizdat, 1963. 38 p.
- RUSSIA (1917- R. S. F. S. R.) Upravlenie organizatsii truda i zarabotnoi platy. [Wages on state farms and other state agricultural enterprises; basic regulations and instructions on wages] Oplata truda v sovkhovakh i drugikh gosudarstvennykh predpriiatiakh; sbornik osnovnykh polozhenii i ukazanii po opiate truda. Moskva, Izd-vo MSKh RSFSR, 1962. 483 p.
- RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulations SN 216-62 for accident prevention and industrial hygiene at enterprises manufacturing asbestos-cement products] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii na predpriiatiakh po proizvodstvu asbestotse-mentnykh izdelii. Moskva, Gosstroizdat, 1962.
- RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Regulation on awarding bonuses to workers for putting construction objects and production facilities into operation] Polozhenie o premirovani i rabotnikov za vyvod v delatelo ob'ektov stroitel'stva i proizvodstvennykh moshchnostei. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1962. 29 p.
- RUSSIA (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Results of the All-Union census of 1959; the Latvian S. S. R.] Itogi Vsesoiuznoi perepisi naseleniya 1959 goda; Latviskaya SSR. Moskva, Gosstatizdat, 1962. 105 p.
- RUSSIA (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Women and children in the U. S. S. R.; statistics] Zhenshchiny i deti v SSSR; statisticheski sbornik. Izd. 2. Moskva, Gosstatizdat, 1963. 202 p.
- SANTERR, M. [Soviet postwar concentration camps] Sovetskije poslevoennye kantslageri. Munich, In-t po izucheniiu SSSR, 1960. 118 p. (AU)
- SEREBRIAKOV, S. V., and others. [The organization and techniques of trade] Organizatsiya i tekhnika torgovli. [By] P. T. Dek-Kazarov i dr. Moskva, Gostorgizdat, 1962. 464 p.
- SHAGNIAN, A. [Achievements of Soviet Armenia in the field of culture] Dostizheniya Sovetskoi Armenii v oblasti kul'tury; kratkii obzor. Erevan, Armianskoe gos. izd-vo, 1958. 44 p.
- SHAMBERG, V. M. [Bourgeois concepts of the economic cooperation of the two systems] O burzhuaznykh konceptsiakh ekonomicheskogo sovromovaniia dvukh sistem; kriticheski ocherk. Moskva, Sotsekgiz, 1962. 189 p.
- SHAPOSHNIKOVA, L. V. [Through southern India] Po Ruzhnoi Indii. Moskva, Izd-vo vostochnoi lit-ry, 1962. 247 p.
- SHCHERBAKOV, M. G., V. I. FISENKO, and E. I. NOVIKOV. [Wages of track maintenance workers; manual] Oplata truda v putevom khoziaistve; spravochnik. Pod obshch. red. I. F. Urchenko. Moskva, Transzheldorizdat, 1962. 185 p.
- SHER, A. A., and N. G. VARAKSIN. [Wages for sea port workers] Oplata truda rabotnikov morskikh portov. Moskva, Izd-vo "Morskoi transport," 1962. 135 p. (Ekonomika ekspluatatsii morskogo transporta)
- SHMELEV, N. P. [Ideologists of imperialism and the problems of underdeveloped countries] Ideologi imperializma i problemy slabo razvitykh stran. Moskva, Sotsekgiz, 1962. 241 p.
- SHTANSKII, V. A. [Economic efficiency of the reconstruction and expansion of enterprises in ferrous metallurgy] Ekonomicheskaya effektivnost' rekonstruktsii i rasshireniia predpriiati chernoi metallurgii. Moskva, Metallurgizdat, 1962. 75 p.
- SHTOKMAR, V. V. [Economic policy of British absolutism during the epoch of its flourishing] Ekonomicheskaya politika angliiskogo absolutizma v epokhu ego rastsveta. [Leningrad] Izd-vo Leningr. univ., 1962. 163 p.
- SHIVASK, K. [Development of capitalism and the bourgeois-democratic national movement in Estonia in the second half of the 19th century] Kapitalizm arenomine ja kodanlik-demokratilik rahvuslik liikumine Eestis XIX sajandi teisel poolal. Tartu, Riiklik Ulikool, 1962. 66 p. [In Estonian]
- SMITH, ADAM. [An inquiry into the nature and causes of the wealth of nations. Translated from the English] Issledovanie o prirode i prichinakh bogatstva narodov. Moskva, Sotsekgiz, 1962. 893 p.
- TARTU. TAITESAATEV NOUKOGU. Taitevkomitee Plaanikomisjon. [Twentieth anniversary of Soviet Tartu; a brief review of the economic and cultural life] 20 aastat Nookogu Tartut; majandus-ja kultuurielu lühike ulevaade. Koostanud ja toimetanud R. Hagelberg. Tartu, 1960. 131 p. [In Estonian]
- [TECHNOLOGICAL PROGRESS IN THE U. S. S. R.] Nauchno-tekhnicheskii progress v SSSR. Moskva, Ekonomizdat, 1962. 274 p.
- TEL'NOV, V. N. [Tenants' house committee] Obshchestvennyi domovyi komitet. [Moskva] Profizdat, 1962. 98 p.
- TILOV, K. M. [Accounting for clearing and credit operations of enterprises] Uchet raschetnykh i kreditnykh operatsii predpriiati. Moskva, Gosfinizdat, 1962. 80 p. (Biblioteka bukhgaltera)
- TOCHIL'NIKOV, G. M. [Problems of Soviet finance; theoretical studies] Voprosy sovetskikh finansov; ocherki teorii. Moskva, Gosfinizdat, 1962. 146 p.

A 5-6

- TRUTNEV, V.N. [Council of progressive workers at a plant] Sovet novatorov na zavode. [Leningrad] Lenizdat, 1962. 41 p. (Novoe vkhodit v zhizn')
- VEITSMAN, N.R. [Accountant, the state controller] Bukhgalter, gosudarstvennyi kontroler. Moskva, Gosizdat, 1962. 38 p. (MH) (CSI-H)
- VOLKOV, V.F., and A.K. MALAKHOV. [Wages on state farms] Oplata truda v sovkhosakh. Moskva, Gosizdat, 1962. 137 p.
- ZABORS'KIY, L. [Young people of an awakened continent] Mladi' rozbudzhenoho kontynentu. Kyiv, Molod', 1962. 50 p.
- ZAGULOV, ZH. [Cost of automotive freight transportation and ways to reduce it] Sebestoimost' gruzovykh avtomobil'nykh perevozok i puti ee snizheniya. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 98 p.
- ZAITSSEV, R.L., and V.N. SEMENOV. [Transformation of socialist labor into communist labor. The transition to the communist principle of distribution according to needs] Pererastanie sotsialisticheskogo truda v kommunisticheskiy trud. Perekhod k kommunisticheskomu printsipu raspredeleniya po potrebnostiam. Moskva, Vysshaya shkola, 1962. 57 p. (Materialy k tekstam po politekonomii)
- ZAKHARENKO, N.N. [Technological progress and labor productivity in railroad transportation] Tekhnicheskii progress i proizvoditel'nost' truda na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962. 80 p.
- ZINCHENKO, G.I. [Study of economics in the system of political education] Izuchenie ekonomiki v sisteme politicheskogo prosveshcheniya. Moskva, Gospolitizdat, 1962. 62 p.
- ZORIN, I.N., comp. [Chinese-Russian general economics and foreign-trade dictionary] Kitaisko-russkii obshcheekonomicheskii i vneshnetorgovyy slovar'. Moskva, Vneshtorgizdat, 1962. 699 p.
- ZVORYKIN, K.A. [Water resources in the service of the seven-year plan] Vodnye bogatstva na sluzhbu semiletki. Leningrad, Gidrometeoizdat, 1962. 65 p.

6. POLITICAL SCIENCE

- AKADEMIYA NAUK SSSR. Institut gosudarstva i prava. [Congresses of the Soviets of the U.S.S.R. and the Union and Autonomous Soviet Socialist Republics; collected documents in seven volumes, 1917-1937] S'ezdy Sovetov Sotuzna SSR, soiznykh i avtonomnykh sovetskikh sotsialisticheskikh respublik; sbornik dokumentov v sem'i tomakh, 1917-1937 g.g. Moskva, Gosizdat, 1962. Vol. 4, Pt. 1. [Congresses of the Soviets of the Union of the Soviet Socialist Republics; collected documents, 1923-1937] S'ezdy Sovetov Sotuzna Sovetskikh Sotsialisticheskikh Respublik; sbornik dokumentov, 1923-1937 gg. 1962. 1209 p.
- ALEKSEENKO, N.I. [The public becomes the boss] Obshchestvennost' stanovitsya khoziaimom. [Leningrad] Lenizdat, 1962. 50 p.
- ANDREEV, S.A. [Israel; a journalist's notes] Izra'il; zametki zhurnalista. Moskva, Izd-vo vostochnoi lit-ry, 1962. 118 p.
- ANKIN, V.V. [The secretary is the organizer of the work of the party office] Sekretar' - organizator raboty partburo. [Moskva] Mosk. rabochii, 1962. 38 p. (Bibliotekha sekretaria partorganizatsii)
- ARMENIAN S.S.R. Verkhovnyi Sovet. [Meetings of the Supreme Soviet of the Armenian S.S.R., ninth session, January 19-20, 1959; verbatim report] Zasedaniya Verkhovnogo Soveta Armianskoi SSR; deviataya sessiya (19-20 ianvaria 1959 goda). Stenograficheskii otchet. Erevan, Alpetrat, 1960. 270 p.
- ASTAKHOV, I.A.S. [Department of political education] Kabinet politicheskogo prosveshcheniya. [Leningrad] Lenizdat, 1962. 36 p. (Na obshchestvennykh nachalakh)
- BASHKIR A.S.S.R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Bashkir A.S.S.R., second session, July 8, 1959; verbatim report] Zasedaniya Verkhovnogo Soveta Bashkirskoi ASSR piatogo sozyva, vtoraya sessiya, (8 iul'ia 1959 goda). Stenograficheskii otchet. Ufa, Bashkirskoe knizhnoe izd-vo, 1959. 127 p.

- BELIAKOV, A.A. [Reach every individual] Dokhodit' do kazhdogo cheloveka. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 54 p. (Resheniya XXII s'ezda KPSS - v zhizn')
- BERBEKOV, KH.M. [Soviet autonomy of Kabardia and Balkaria] Sovetskaya avtonomiya Kabardiy i Balkarii. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1961. 125 p. (MH)
- BERZINSKAITE, ANATOLJA. [Activities of the Lithuanian Communist Party in educating the Lithuanian working people in the spirit of proletarian internationalism, 1927-1940] LKP veikla auklėjant Lietuvos darbuojančius proletariato internacionalizmo dvasia, 1927-1940. Vilnius, Valstybine politines ir mokslines literatūros leidykla, 1962. 149 p. [In Lithuanian]
- BEZULIYI, A.M., and others. [How the Pioneers work for the motherland] Pioneer - Bat'kivshchyni. Kyiv, Molod', 1962. 94 p.
- BOLOTIN, A.I. [The theory of struggle and victories; Lenin's theory of socialist revolution and its further development in the program of the CPSU] Teoriya bor'by i pobedy; leninskaya teoriya sotsialisticheskoi revoliutsii i ee dal'neishee razvitiye v Programme KPSS. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. I Seriya: Istoriya, no. 4)
- BORISOV, A.A. [Congress of the builders of communism] S'ezd stroitelei kommunizma. [Leningrad] Lenizdat, 1962. 116 p.
- BOVNERA, M.S. [School for propagandists] Shkola agitatoriv. [Odessa] Odes'ke knyzhkovye vyd-vo, 1959. 15 p. (Bibliotekha agitatora)
- BRAGINSKII, M.I. [Liberation of Africa] Osvobozhdenie Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1962. 195 p.
- BRUZ, V.E. [Peace can and should be preserved] Mir mozhna i treba zberehty. Kyiv, 1961. 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrainy kol' SSR, Seriya 4, no. 10)
- BUDANTSEV, A.V. [District managers] Khozimeva ratona. [Moskva] Mosk. rabochii, 1962. 85 p.
- BULGARSKA KOMUNISTICHESKA PARTIJA. Tsentralen komitet. [Report of the Central Committee of the Communist Party of Bulgaria to the Eighth Congress of the party] Otchetnyi doklad Tsentral'nogo komiteta Bolgarskoi Kommunisticheskoi partii VIII s'ezdu partii. [By] Todor Zhivkov. Moskva, Gospolitizdat, 1963. 190 p.
- CHEPRAKOV, V.A. [Peace, work, communism] Mir, sozdanie, kommunizm. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Mezhdunarodnaya, no. 4)
- CHEREDNYCHENKO, A.P. [Training of academic youth] Vychovanniye students'koi molodi. [Odessa] Odes'ke knyzhkovye vyd-vo, 1959. 14 p. (Bibliotekha agitatora)
- CHUMICHEV, V.A. [Lenin's party leads to communism] Leninskaya partiya k kommunizmu vedet. [Leningrad] Lenizdat, 1962. 78 p.
- COMITÉ DES REFUGIES POLITIQUES GRECS "POUR LA DEMOCRATIE EN GRECE." [For an amnesty in Greece. Translated from the French] Za amnestiiu v Gretsii; izdanie Komiteta grecheskikh politemigrantov "Za demokratiiu v Gretsii." Moskva, Izd-vo Inostr. lit-ry, 1962. 120 p.
- DMITRIYEV, V.N. [The decisive force in the building of communism] Reshatel'shchaya sila v stroitel'stve kommunizma. [Leningrad] Lenizdat, 1962. 77 p. (Resheniya XXII s'ezda KPSS - v zhizn')
- DOVHA, M.L. [Exemplary work of a propagandist] Osobyatyi priklad agitatora. [Odessa] Odes'ke knyzhkovye vyd-vo, 1959. 12 p. (Bibliotekha agitatora)
- DRDA, JAN. [Under a new and bold star; brief notes on Cuba. Translated from the Czech] Pod zvezdoi novoi i smeloi; nemnogo o Kube. Moskva, Izd-vo "Pravda," 1963. 46 p. (Biblioteka "Ogonek," no. 7)
- ESTONIAN S.S.R. Ulemnoukogu. [Third session of the Fifth Supreme Soviet of the Estonian S.S.R., August 18-19, 1960; verbatim report] Tret'ia sessiya Verkhovnogo Soveta Estonskoi SSR piatogo sozyva 18-19 avgusta 1960 goda; stenograficheskii otchet. Tallinn, Estonskoe gos. izd-vo, 1960. 150 p.

- GUR'EV, B.K. [People decide the fate of the harvest] Sud'bu urozhaiya reshatut liudi. Moskva, Sovetskaya Rossiya, 1961. 35 p. (Resheniya ianvar'skogo 1961 g. Plenuma TsK KPSS v zhizn') (MH)
- HA-MIFLAGAH HA-KOMUNISTIT HA-YISRAELIT. Ve'idah. 14th, Tel Aviv - Jaff, 1961. 1962. [The 14th Congress of the Communist Party of Israel, Tel Aviv - Iaffa, May 31 - June 3, 1961] XIV s'ezd Kommunisticheskoi partii Izraelia; [materialy] Tel' Aviv - Iaffa, 31 mai - 3 iunia 1961 goda. Moskva, Gospolitizdat, 1962. 198 p.
- HAVRYLIUK, N.A. [Cultural propaganda brigade] Agitkul'tbrigada. [Odessa] Odes'ke knyzhkovye vyd-vo, 1959. 19 p. (Bibliotekha agitatora)
- IEL'CHENKO, I.U.N. [The wings of our time; Soviet youth should know the program and statutes of the CPSU] Kryla nashoi epokhy; molodi pro Programmu i Statut KPSS. Kyiv, Vyd-vo "Molod'," 1962. 213 p.
- [IN THE NAME OF THE HEROES OF THE COMMUNIST YOUTH LEAGUE] Imeni gorola-komsomol'tsa. [Moskva] Izd-vo "Molodaya gvardiya," 1962. 206 p.
- [INTERNATIONAL YEARBOOK FOR 1962; politics and economics] Mezhdunarodnyi ezhegodnik; politika i ekonomika. Vypusk 1962 g. Moskva, Gospolitizdat, 1962. 423 p.
- KAMSHALOV, A.I. [Young patriots on state farms and collective farms] Molodye patrioty v sovkhosakh i kolkhosakh. [Moskva] Mosk. rabochii, 1962. 62 p. (V pomoshch' agitatoru i propagandistu)
- KOMUNISTICHESKAYA PARTIYA SOVETSKOGO SOIUZA. Tsentral'nyi Komitet. [Plenum of the Central Committee of the Communist Party of the Soviet Union, January 19-23, 1962. Verbatim report] Plenum 19-23 ianvaria 1962 goda; stenograficheskii otchet. Moskva, Gospolitizdat, 1963. 607 p.
- KOMUNISTICKÁ STRANA ČESKOSLOVENSKA. Ustřední výbor. [Report of the Central Committee to the 12th Congress of the Communist Party of Czechoslovakia on party activity and principal trends of the further development of our socialist society, on December 4, 1962. Translated from the Czech] Otchetnyi doklad Tsentral'nogo Komiteta XII s'ezdu Kommunisticheskoi partii Chchoslovaki o deiatel'nosti partii i glavnykh napravleniyakh dal'neishego razvitiya nashogo sotsialisticheskogo obshchestva, 4 dekabrya 1962 goda. [By] Antonín Novotný. Moskva, Gospolitizdat, 1963. 111 p.
- KONOVALOV, V.H. [Enrich the forms of political propaganda] Zbahaichuvaty formy politychnoi agitatsii. [Odessa] Odes'ke knyzhkovye vyd-vo, 1959. 25 p. (Bibliotekha agitatora)
- KOREA (Democratic People's Republic) Oemung. [Korean People's Democratic Republic] Koreiskaya Narodno-Demokraticheskaya Respublika. Pod red. Ministerstva inostrannykh del KNDK. P'yongyang, Izd-vo lit-ry, na inostr.azykakh, 1961. 55 p.
- KUTASOV, I.IA. [Visual propaganda] Nagladnaya agitatsiya. Moskva, Gospolitizdat, 1962. 143 p.
- LENINGRAD. INSTITUT ISTORII PARTII. [On the road to technological progress] Na putiakh tekhnicheskogo progressa; iz opyta raboty Leningradskoi partinnoi organizatsii, 1951-1961 gg. [By] E.V. Mazalov i dr. [Leningrad] Lenizdat, 1962. 480 p.
- LENINGRAD. VYSSHAIA PARTIINAI SHKOLA. [The problems of party work] Voprosy partinogo stroitel'stva; sbornik lektsii. [Leningrad] Lenizdat, 1962. 787 p.
- LUK'IANOV, B.B., and A.P. ROMANOV. [Sunny forum; reporting from the Kremlin's Palace of Congresses. The 14th Congress of the Communist Youth League] Solnechnyi forum; reportazh iz Kremlevskogo Dvortsa s'ezdov. XIV s'ezd VLKSM. [Moskva] Molodaya gvardiya, 1962. 93 p. (CSI-H)
- MAIBORODA, L.S. [Educational work in lodgings] Vychovna rabota v hurtozhytku. [Odessa] Odes'ke knyzhkovye vyd-vo, 1959. 15 p. (Bibliotekha agitatora)
- [THE MESSAGE OF A PROPAGANDIST] Slovo agitatora. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 93 p. (Resheniya XXII s'ezda - v zhizn')
- MESSNER, E. [Revolt is the name of the Third World War] Miatezh - imia Tret'ei Vsemirovoi. Buenos Aires, Uzhno-amerikanskii odel in-ta po Isai, problem volny i mira im. N.N. Golovna, 1960. 111 p. (NNC)

- MOSCOW. AKADEMIYA OBSHCHESTVENNYKH NAUK. [Study plans for the evening universities of Marxism-Leninism] Uchebnye programmy dlya vechernikh universitetov marksizma-leninizma. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 719 p.
- MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. [Peaceful coexistence is the Leninist course of the foreign policy of the Soviet Union] Mirnoe soshchestvovanie - leninskii kurs vneshnei politiki Sovetskogo Soyuza. Predisl. i obshchaya red. A. A. Gromyko. Moskva, 1962. 303 p.
- NASONOV, P. P. [Visual propaganda in factories] Nauchna agitatsiya na zavodakh. [Odessa] Odessa ke knyzhkovo vydv-vo, 1959. 17 p. (Biblioteka agitatora)
- NOVIKOV, A. I. [Ideology of the doomed] Ideologiya obrechennykh. [Leningrad] Lenzdat, 1962. 138 p.
- NOVIKOV, A. I. [Scientific communism and the impotence of its critics] Nauchnyi kommunizm i bessilie ego kritikov. Leningrad, Ob-vo po rasprostraneniyu polit. i nauchn. znaniy RSFSR, 1962. 59 p.
- NUZHNYI, N. I. [Closer to life and work] Blizhe k zhitniy trudu. [Leningrad] Lenzdat, 1962. 43 p. (Biblioteka sekretaria partiinoy organizatsii)
- ORENBURG (Province) Ispolnitel'nyi komitet. [Administrative and territorial divisions of Chkalov Province] Administrativnoe i territorial'noe delenie Chkalovskoi oblasti. [n.p.] Chkalovskoe izd-vo, 1940. 105 p. [PHOTOCOPY]
- PETROVICHEV, N. A. [Primary party organizations] Pervichnye organizatsii partii; lektsii, pročitannye v Vysshej partiinoy shkole pri TsK KPSS. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 71 p. (Partiinoy stroitel'stvo: Kurs lektsii)
- PUDALOV, I. L. [Admission to party membership and the training of young Communists] Priem v partiyu i vospitanie molodykh kommunistov. [Moskva] Mosk. rabochi, 1962. 33 p. (Biblioteka sekretaria partiinoy organizatsii) (CS-11)
- [READINGS ON THE HISTORY OF THE CPSU; in three volumes] Khrestomatiya po istorii KPSS; v trekh tomakh. [Sost.: Gaubaki, B. V., Temirbaev, K. M., Udaehov, S. A.] Moskva, Gospolitizdat. Vol. 3. [1945-April 1962] 1945 g. - april' 1962 g. 1963. 803 p.
- [SCHOOL FOR THE TRAINING OF COMMUNISTS] Shkola vospitanija kommunistov. [By] O. N. Smirnova i dr. [Ulanovsk] Ulanovskoe knizhnoe izd-vo, 1960. 39 p. (Biblioteka partiinogo rabotnika) (MI)
- SEMEYNOV, I. A. [Party control on state farms] Partiinyi kontrol' v sovkhوزه. [Leningrad] Lenzdat, 1962. 18 p. (Biblioteka sekretaria sel'skoi partorganizatsii)
- SICHGOLEV, A. I. [Leninist style in work] O leninskoy stile v rabote; lektsii, pročitannye v Vysshej partiinoy shkole pri TsK KPSS. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 44 p. (Partiinoy stroitel'stvo: Kurs lektsii)
- SYRTSOV, M. H. [Communist Party of the United States in the forefront of the struggle against reaction] Kompartiya SSHA v avangardi bor'by proty reaktsii. Kyiv, 1962. 48 p. (Tovarystvo dlya poshyreniya politichnykh i nauchnykh znaniy Ukrain'skoi RSR. Seriya 4, no. 9)
- TERLET'SKIY, V. M. [The state and communism] Dorszhava i kommunizm. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 102 p. (Problemy kommunisticheskoy budivnytsya v svitli rishen' XXII z'lydu KPSS)
- TOLKACHEVA, N. S. [In the front ranks] V pervykh rlyadakh. Minsk, Gosizdat, 1962. 30 p. (Biblioteka komasomol'skogo aktivista, no. 3)
- TUL'CHINSKIY, M. P. [Advocates of revenge; West-German "Ostforschung" in the service of the Bonn revenge policy] Advokaty revansha; zapadnogermskii "ostforschung" na sluzhbu bonnskoj revanshist'skoi politiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 118 p. (Akademika nauk SSSR. Nauchno-populiarnaya seriya)
- VASINA, E. L. [Lenin's plan to organize a Marxist party in Russia. The struggle of Lenin's "Iskra" for the organization of party] Leninskii kurs postroyeniya marksist'skoi partii v Rossii, bor'ba leninskoi "Iskry" za sozdanie partii; lektsii dlya studentov-zaochnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962. 38 p.
- [WE SHALL BE FRIENDS FOREVER] Druzhba navyki! Kyiv, Vyd-vo "Melod", 1962. 45 p.
- [YOUNG LENINISTS; forty years of the V. I. Lenin Pioneer Organization] IUni Leninist; sorok rokov pionerskoi organizatsii imeni V. I. Lenina. Kyiv, Radians'ka shkola, 1962. 434 p.
- ZLOBIN, V. I. [The Bolshevik Party in the years of renewed revolutionary activity, 1910-1914] Partiya bol'shevikov v gody novogo revoliutsionnogo pod'ema, 1910-1914 gody; lektsii dlya studentov-zaochnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. gos. univ., 1962. 81 p.
- ZOLOTOUKHIN, G. S. [The leading fighters for communism] Peredovye boitsy za kommunizm. Moskva, Izd-vo "Sovetskaya Rossiya", 1962. 75 p. (Resheniya XXII s'ezda KPSS - v zhizni)

7. LAW

ALEKSEEV, S. S. [Civil law during the large-scale building of communism] Grazhdanskoe pravo v period razvernutoy stroitel'stva kommunizma. Moskva, Gosizdat, 1962. 281 p.

ANTIMONOV, B. S. [Grounds for the contractual responsibility of socialist organizations] Osnovaniya dogovorno otvetstvennosti sotsialisticheskikh organizatsii. Moskva, Gosizdat, 1962. 174 p.

BARASH, I. A. B. [Contracts for research and design work] Dogovory na vypolnenie nauchno-issledovatel'skikh i konstruktorskikh rabot. Moskva, Gosizdat, 1962. 89 p. (Biblioteka khoziaistvennika i rabotnika iuridicheskoi sluzhby)

[BRIEF LEGAL DICTIONARY FOR THE SOVIET PEOPLE] Kratkiy iuridicheskii slovar'-spravochnik dlya naseleniya. Moskva, Gosizdat, 1962. 513 p.

BYZANTINE EMPIRE. Laws, statutes, etc., 886-911 (Leo VI, the Wise) [The Byzantine "Book of the Prefect," Translated from the Greek] Vizantiskaya Kniga Eparhika. Vstup, stat'ia, perevod i kommentarii M. I. Sluzumova. Moskva, Izd-vo vostochnoi lit-ry, 1962. 293 p. (Pamiatniki srednevekovoi istorii narodov Tsentral'noi i Vostochnoi Evropy)

CALLISON, ISRAEL PUTNAM. [Courts of justice. Abridged translation from the English] Nepravosudnye sudy. Pod red. i s predisl. P. S. Romashkina. Moskva, Izd-vo inostr. lit-ry, 1961. 334 p. tables. (MH-L)

CHECHINA, N. A. [Legal norms and judgments] Norma prava i sudebnoe reshenie. [Leningrad] Izd-vo Leningr. univ., 1961. 76 p. (MH-L)

CHECHINA, N. A. [Relations of parties in Soviet civil procedure] Grazhdanskoe protsessual'noye otnosheniya. [Leningrad] Izd-vo Leningr. univ., 1962. 66 p.

DAVIDOVICH, I. A. I. and B. F. KHRUSTALEV. [Hiring, transfers, labor discipline and dismissal of workers] Priem na rabotu, perevod, disziplina truda i uvolnenie rabotnikov. [Leningrad] Izd-vo Leningr. univ., 1962. 126 p.

GALKIN, B. A. [The Soviet criminal procedure law] Sovetskii ugolovno-protsessual'nyi zakon. Moskva, Gosizdat, 1962. 253 p.

GOLDSSTEIN, M. I., V. S. KOROTKOV, and A. G. FASYKOVSKIY. [What the trade-union activist group should know about labor legislation] Chto dolzhen znat' protsoluznyi aktiv v trudovom zakonodatel'stve. [Moskva] Profizdat, 1961. 125 p. (Biblioteka protsoluznogo aktivista, no. 17/18)

IL'INSKAYA, I. M. [Participation of the third party in Soviet civil procedure] Uchastie tret'ikh lits v sovetskom grazhdanskom protsesse. Moskva, Gosizdat, 1962. 81 p.

IUDEI'SON, K. S. [Practical commentary to regulations on fellow workers' courts] Polozhenie o tovari'shcheskikh sudakh; prakticheskii kommentarii. Moskva, Gosizdat, 1962. 211 p.

KOZYR, M. I., ed. [The 22d Congress of the CPSU and the problems of collective farm and agricultural law] XXII s'ezd KPSS i problemy kolhoznoy i zemel'nogo prava; sbornik statei. Moskva, Gosizdat, 1962. 329 p.

KUZNETSOV, A. V. [Hooliganism and how to prevent it] Khuliganstvo i bor'ba s nim. Moskva, Gos. izd-vo iurid. lit-ry, 1962. 77 p.

[LEGISLATION MANUAL FOR THE COLLECTIVE-FARM CHAIRMAN] Spravochnik po zakonodatel'stvu dlya predsedatelya kolkhoza. Moskva, Gosizdat, 1962. 563 p.

LENINGRAD. UNIVERSITET. [Legal status of Soviet trade unions] Pravovoe polozenie professional'nykh soluzov SSSR. [Leningrad] 1962. 145 p.

LENINGRAD. UNIVERSITET. [Problems of civil and administrative law] Problemy grazhdanskogo i administrativnogo prava. [Leningrad] Izd-vo Leningr. univ., 1962. 340 p.

LENINGRAD. UNIVERSITET. Iuridicheskii fakul'tet. [Traffic accidents and their investigation] Avtotransportnye proisshestiya i ikh rassledovanie. Pod red. N. S. Alekseeva i L. Kh. Maksutova. Moskva, Gosizdat, 1962. 313 p.

MIRMULLAEV, M., and V. A. KOZACHIKOVSKIY. [In the sunlight of the Soviet Constitution; on the 25th anniversary of the Constitution of the U. S. S. R.] Pod solntsem Sovetskoi Konstitutsii; k 25-letliu Konstitutsii SSR. Dushanbe, Tadzhikskoe gos. izd-vo, 1961. 98 p.

MOSCOW. UNIVERSITET. [History of the state and law of the U. S. S. R.] Istoriya gosudarstva i prava SSSR. Moskva, Gosizdat. Pt. 2. [History of the Soviet state and law] Istoriya Sovetskogo gosudarstva i prava. 1962. 443 p.

MOSCOW. UNIVERSITET. [Soviet criminal law; general part] Sovetskoe ugolovnoe pravo; chast' obshchaya. Pod red. V. D. Menshagina, N. D. Durnanova i P. S. Romashkina. Moskva, Gosizdat, 1962. 449 p.

MOSCOW. VSESOUZNYI INSTITUT IURIDICHESKIKH NAUK. [Theoretical problems relating to the systematization of Soviet laws] Teoreticheskie voprosy sistematsatsii Sovetskogo zakonodatel'stva. Pod red. S. N. Bratusia i I. S. Samoshchenko. Moskva, Gosizdat, 1962. 574 p.

MOSCOW. VSESOUZNYI IURIDICHESKII ZAOCHNYI INSTITUT. [Economic contracts] Khoziaistvennye dogovory; uchebno-metodicheskoe posobie. Otv. red. V. G. Verdnikov. Moskva, 1961. 55 p.

MOSCOW. VSESOUZNYI IURIDICHESKII ZAOCHNYI INSTITUT. [Methodological instructions for the students of the course on "Soviet family law"] Metodicheskie ukazaniya po izucheniyu kursa Sovetskogo semeinogo prava. Moskva, 1961. 29 p.

MOSCOW. VSESOUZNYI IURIDICHESKII ZAOCHNYI INSTITUT. [Soviet criminal law; special part] Sovetskoe ugolovnoe pravo (chast' osobennaya); uchebnoe posobie. Moskva. Vol. 2. 1960. 202 p.

MOSCOW. VSESOUZNYI IURIDICHESKII ZAOCHNYI INSTITUT. [Study instructions for students preparing for state examinations] Metodicheskie ukazaniya dlya studentov kursa po podgotovke k gosudarstvennym eksamenam. Moskva, 1960. 133 p. (CLL)

MOSKVIN, S. S. [Review of judicial decisions and rulings in civil cases by the presidiums of appellate courts] Foremtr sudebnykh reshenii i opredelenii po grazhdanskim delam prezidiumami sudov. Moskva, Gosizdat, 1962. 165 p.

RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Theoretical and practical comments to the "Basic Principles of the Civil Law of the U. S. S. R. and the Union Republics."] Nauchno-prakticheskii kommentarii k Osnovam grazhdanskogo zakonodatel'stva Soyuza SSR i soluznykh respublik. Pod red. S. N. Bratusia i E. A. Fleishits. Moskva, Gosizdat, 1962. 416 p.

RUSSIA (1923- U. S. S. R.) Laws, statutes, etc. [Theoretical and practical comments to the "Basic Principles of the Civil Procedure of the U. S. S. R. and the Union Republics."] Nauchno-prakticheskii kommentarii k Osnovam grazhdanskogo sudoproizvodstva Soyuza SSR i soluznykh respublik. Pod red. P. I. Bardina. Moskva, Gosizdat, 1962. 229 p.

SHIRIAEV, N. N., and I. A. POSUDIN. [Disputes concerning the use of sidings] Spory po pod'ezdnykh putyam. Moskva, Gosizdat, 1962. 72 p. (Biblioteka khoziaistvennika)

[SOVIET YEARBOOK OF INTERNATIONAL LAW, 1961] Sovetskii ezhegodnik mezhdunarodnogo prava 1961. Moskva, Izd-vo Akad. nauk SSSR, 1962. 626 p.

A 7-9

- TARANOV, A. P. [Basic principles of the Constitution of the Ukrainian S.S.R.] Osnovni pryntsypy Konstytutsii Ukrainy'koi RSR. Kyiv, Vyd-vo Akad.nauk URSR, 1962. 152 p.
- TROSHIN, A. F. [Legal status of those workers and employees who are studying while working] Pravovoe polozenie rabochikh i sluzhashchikh, obuchaiushchikhsia bez otryya ot proizvodstva. Moskva, Gosizdat, 1962. 167 p.
- TSVETKOV, P. P. [Proof of identity in Soviet criminal procedure] Pred'invlenie dlia opoznanin v sovetском уголовном процессе. [Leningrad] Izd-vo Leningr. univ., 1962. 112 p.
- UKRAINE, Laws, statutes, etc. [Statute on elections to province, district, city, village, and settlement soviets of workers' deputies in the Ukrainian S.S.R. with amendments introduced by decree of the Presidium of the Supreme Soviet of the Ukrainian S.S.R., January 11, 1963] Polozhennia pro vybory do oblasnykh, raionnykh, mits'kykh, sil's'kykh i selyschchynskh Rad deputativ trudiashchikh Ukrainy'koi RSR. Iz zmniamy i dopovneniamy, vnesenyi Ukazom Presydl Verkhnoi Rady Ukrainy'koi RSR vyd 11 stichnia 1963 roku. Kyiv, Derzhpolitvydav URSR, 1963. 30 p.
- VITTENBERG, G. B. [Responsibility for speculation] Otvetsvennost' za spekulatsiiu. Moskva, Gosizdat, 1962. 107 p.
- VOLIN, A. A. [Examination of economic conflicts by arbitration courts] Razreshenie khoziaistvennykh sporov tretelskimi sudami. Moskva, Gosizdat, 1962. 48 p. (Biblioteka khoziaistvennika i rabotnika iuridicheskoi sluzhby)
- VOVK, IV. A. [Contractual relations of collective farms with organizations and enterprises] Dogovornye otnosheniia kolhozov a organizatsiiami i predpriiatiami. Moskva, Gosizdat, 1962. 157 p.
- ZHELTOV, V. V. [Industrial safety and liability for the violation of labor laws] Okhrana truda i otvetsvennost' za narushenie trudovogo zakonodatel'stva. Pod obshchei red. I. A. Smirnova. Leningrad, Leningradskii dom nauchno-tekhn. propagandy, 1962. 22 p. (Biblioteka stroitelia po tekhnike bezopasnosti, no. 15)
- ZHOGIN, N. V., ed. [The work of criminal investigators, public prosecutors, and Soviet courts in regard to crime prevention] Delatel'nost' organov rassledovaniia, prokurora i suda po preduprezhdeniiu prestuplenii. [By] G. M. Min'kovskii i dr. Moskva, Gosizdat, 1962. 278 p.
- ### 8. EDUCATION
- [AESTHETIC TRAINING IN SCHOOLS] Esteticheskoe vospitanie v shkole; sbornik (iz opyta raboty). Leningrad, Uchpedgiz, 1962. 374 p.
- ANDRIANOV, P. N. [Vocational-technical training in secondary schools for mechanics and assemblers of electric apparatus] Proizvodstvennoe obuchenie v srednei shkole po professii slesaria-sborshechika elektropriborov. Pod red. S. A. Shaporinskogo. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 118 p. (Biblioteka politekhnicheskogo obucheniia)
- ARKAD'EV, B. A. [Tactics of a soccer game] Taktika futbol'noi igry. 3. perer. i dop. izd. Moskva, Izd-vo "Fizkul'tura i sport," 1962. 166 p.
- BORSOV, I. B. [The book on strong men] Kniga o sil'nykh. Moskva, Izd-vo "Fizkul'tura i sport," 1962. 198 p.
- [DIFFICULT ROUTES; sketches of leading motorcycle and automobile drivers] Trudnye trassy; ocherki o maste-rakh mototsiklenogo i avtomobil'nogo sporta. Moskva, Izd-vo DOSAAF, 1962. 61 p.
- EZERSKII, S. N. [Forty-five minutes; notes on the art of teaching] Sorok piat' minut; zametki o pedagogicheskoi masterstve. Moskva, Izd-vo "Znanie," 1962. 29 p. (Novoe v zhizni, nauke, tekhnike. XI Seria: Pedagogika, no. 3)
- IVAKHIN, E. I. [Seven-man football; manual for physical education groups] Ruchnoi miach 7:7; uchebnoe posobie dlia sektsil kolektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1962. 133 p.
- OBSHCHESTVO PO RASPROSTRANENIIU POLITICHESKIKH I NAUCHNYKH ZNANII RSFSR. Leningradskoe otdelenie. [The Soviet school on a new course] Sovetskaiia shkola na novom puti. [Nauchnyi redaktor A. K. Bushlia] Leningrad, 1960. 198 p. (CU)
- PETROVSKII, A. V. [From the act to character] Ot postupka k kharakteru. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. XI Seria: Pedagogika, no. 4)
- POSTNIKOV, D. V., ed. [Physical education and sports in rural areas] Fizicheskaiia kul'tura i sport na sele; v pomoshch' sel'skomu fizkul'turnomu aktivu. Moskva, Izd-vo "Fizkul'tura i sport," 1962. 450 p.
- RESHETEN', L. N., and A. V. ROMANOVA. [Skiing sports in school; a practical manual for teachers] Lyzhnyi sport v shkole; posobie dlia uchitelei (iz opyta). Leningrad, Uchpedgiz, 1961. 135 p.
- RUSSIA (1917- R. S. F. S. R.) Glavnoe upravlenie uchebnykh zavedenii i kadrov. [History of fine arts, mode of life, and costume; a course program] Istoriia izobrazitel'nogo iskusstva, byta i kostiuna; programma kursa dlia uchashchikhsia kul'turno-prosvetitel'nykh shkol. Moskva, Izd-vo "Sovetskaiia Rossiia," 1961. 23 p.
- RUSSIA (1923- U. S. S. R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program of the course "History of the CPSU" for institutions of higher learning of the U. S. S. R.; 150 hours] Programma kursa "Istoriia KPSS"; dlia vysshikh uchebnykh zavedenii SSSR (na 150 chasov). Moskva, Sotsekgiz, 1962. 47 p.
- RUSSIA (1923- U. S. S. R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program of the course on the history of philosophy for institutions of higher learning; 72 hours] Programma kursa istorii filosofii dlia vysshikh uchebnykh zavedenii (72 chasa). Moskva, Sotsekgiz, 1962. 61 p.
- [SCIENTIFIC PRINCIPLES OF PHYSICAL EDUCATION AND SPORTS; collection of abstracts of dissertations] Nauchnye osnovy fizicheskogo vospitaniia i sporta; referativnyi sbornik dissertatsii. Moskva, Izd-vo "Fizkul'tura i sport," No. 2. 1962. 390 p.
- SHLEMIN, A. M., ed. [Classification of exercises for gymnastics] Obucheniie gimnastov klassifikatsionnym upravleniim; metodicheskoe posobie dlia trenerov gimnastik DSSH, ShSM i kolektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1962. 185 p.
- SOIUZ SPORTIVNYKH OBSHCHESTV I ORGANIZATsii SSSR. Tsentral'nyi Sovet. [Volleyball; program for the sport sections of physical education groups in eight-year and secondary schools] Voleibol; programma dlia sportivnykh sektsil kolektivov fizicheskoi kul'tury vos'miletnikh i srednikh shkol. Moskva, Izd-vo "Fizkul'tura i sport," 1962. 46 p.
- SPIROVA, L. F., and R. I. SHUIFER. [Methods of teaching the Russian language to children with speech disorders; learning to read and write] Voprosy metodiki obucheniia russkomu yazyku detei s narusheniami rechi; obucheniie gramote. Moskva, Izd-vo APN RSFSR, 1962. 99 p. (Pedagogicheskaiia biblioteka uchitelei)
- VOLKOV, K. N. [When the work is real; from the practice of a tourist camp] Kogda delo nastoiashchee; iz opyta raboty turist'skogo lageria. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. XI Seria: Pedagogika, no. 5)
- ZHURAVLEV, E. P. [Early in the morning, during working hours, when resting; daily physical exercises for older intellectual workers] Po utram, vo vremia raboty, na otdykh; ezhdnevnye fizicheskie uprazhneniia dlia pozhiykh liudel umstvennogo truda. Moskva, Fizkul'tura i sport, 1962. 226 p.
- ZNOV'EV, S. I. [Lectures in Soviet institutions of higher learning] Lektsiia v sovet'skoi vysshei shkole. Izd. 3. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 136 p.
- ### 9. MUSIC, THEATER & MOTION PICTURES
- ABALKIN, N. A. [An artist and the revolution; work of V. I. Nemirovich-Danchenko during the Soviet years] Khudozhnik i revoliutsiia; tvorchestvo V. I. Nemirovicha-Danchenko v sovet'skie gody. Moskva, Iskusstvo, 1962. 288 p.
- [ALIGNMENT WITH COMMUNISM; repertory collection] Na kommunizm ravnenie; repertuarnyi sbornik. Moskva, Sovetskaiia Rossiia, 1962. 213 p. (Biblioteka sel'skogo klubnogo rabotnika, no. 11)
- BILOTSERKIVS'KIY, I. H. [Notes of a prompter] Zapysky suflera. Kyiv, Derzh. vyd-vo obrazotvorchoiia mystetstva i muzychnoi lit-ry URSR, 1962. 266 p.
- [CHARACTERISTICS OF THE STYLE OF S. PROKOF'EV] Cherty stilia S. Prokof'eva; sbornik teoreticheskikh statei. Moskva, Vses. Izd-vo "Sovetskii kompozitor," 1962. 314 p.
- CHERNIAVSKII, S. D. [History of the A. S. Pushkin Theater in Leningrad] K istorii Leningradskogo teatra imeni A. S. Pushkina. Dushanbe, Tadzhikgostdat, 1962. 74 p. illus.
- DATSENKO, B. E. [How to view and understand play performances] Iak dvytya' i rozumny vytyai. 2., pereroblennoe vyd. Kyiv, Derzh. vyd-vo obrazotvorchoiia mystetstva i muzychnoi lit-ry URSR, 1962. 32 p. (Biblioteka z pytan' mystetstva i teatru)
- DMITRIEV, A. N. [Polyphony as a factor in the development of form; theoretical studies of Russian classical and Soviet music] Polifoniia kak faktor formirovaniia; teoreticheskoe issledovanie na materiale russkoi klassicheskoi i sovet'skoi muzyki. Leningrad, Muzgiz, 1962. 487 p.
- DZIGAN, E. L. [Scenario of a motion-picture producer] O režisserskom stsenarii. Moskva, Iskusstvo, 1961. 125 p. (Biblioteka molodogo kinematografista) (CU)
- FOKINE, M. M. [Against the current; reminiscences of a ballet master. Articles, letters] Protiv techeniia; vospominaniia baletmeistera. Stat'i, pis'ma. Leningrad, Izd-vo "Iskusstvo," 1963. 636 p.
- GERASIMOVICH, E. P. [Theater in the communist education of workers] Teatr v kommuniaticheskoi vospitaniia trudiashchikhsia. Minsk, 1962. 30 p. (Oshchestvo po rasprostraneniui politicheskikh i nauchnykh znanii Belorusskoi SSR, no. 26)
- TUR'EV, I. V. [The people's theater] Narodnyi teatr. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi teatral'nyi vestnik kul'tury: Fakul'tet literatury i iskusstva, no. 2)
- KAZIMIROV, O. A. [Theater is born of life] Teatr rozhdenyi zhizniu. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 40 p. (Vcheni Ukrainy - univertsitet kul'tury)
- KHOKHLOVKINA, A. Berlioz. Moskva, Gos. muzykal'noe izd-vo, 1962. 545 p. (MH)
- LEONTOVSKAIA, T. N. [G. Verdi's "La Traviata"] "Traviata" Dzh. Verdi. Moskva, Muzgiz, 1963. 61 p. (Putevoditel' po operam)
- MARCHENKO, PETRO. [Tishitsy] (Ukrainian round dance) in a chorographic staging by Olenka Gordian-Zaklyns'ka. Hahilky v khoreografichnii inscenizatsii Olenki Gordian-Zaklyns'kol. New York, 1963. 56 p.
- MEZHDUNARODNAIA KNIGA. [Long-playing records, 1961] Dolgogratushchie gramplaki 1961. Moskva, [n.d.], 101 p.
- MOSTRAS, K. G. [Intonation on the violin; method book] Intonatsiia na skripke; metodicheskii ocherk. Materialy po voprosu o skripichnoi intonatsii. Izd. 2. Moskva, Muzgiz, 1962. 164 p.
- [MOTION-PICTURE YEARBOOK FOR 1962] Ezhegodnik kino 1962. Moskva, Iskusstvo, 1960. 460 p.
- NOVIKOV, A. G. [My motherland; songs] Rodina zhda, pesni. Moskva, Gos. muzykal'noe izd-vo, 1946. 181 p. (MB)
- PETROVA, N. E. [Reinhold Moritzovich Gliere, 1875-1956; a brief sketch of his life and work] Itel'gol'd Moritsovich Gliere, 1875-1956; kratkii ocherk zhizni i tvorchestva. (Knizhka dlia imeniashchikh). Leningrad, Gos. muzykal'noe ob-vo, 1962. 114 p.
- POPOV, G. N. [To the nations, peace! Poem for mixed chorus without accompaniment] Narodam - mir; poema dlia smeshanogo khora bez soprovozhdeniia [soch. 60]. Slova A. Filatova. [Moskva] Muzgiz, 1962. 16 p. (NN)
- PROPOPOV, V. V. [History of polyphony in its most significant aspects; Russian classical and Soviet music] Istoriia polifonii v ee vazhneiishkii iavleniakh; russkaia klassicheskaiia i sovet'skaiia muzyka. Moskva, Muzgiz, 1962. 204 p.
- RUBTSOV, F. A. [Intonational ties in the songs of Slavic peoples] Intonatsionnye svyazi v pesnakh tvorchestva slavianskikh narodov; opyt issledovaniia. Leningrad, Sovetskii kompozitor, 1962. 112 p.

[RUSSIAN FOLK MUSIC; an anthology] Russkoe narodnoe muzykal'noe tvorchestvo; khrestomatia. Izd. 2. Moskva, Muzgiz, 1962. 299 p.

SAPOZHNIKOV, R. E. [Introductory lessons on the violoncello; method of developing elementary skills in playing the cello] Pervonachal'noe obucheniye violonchelista; metodika razvitiya pervonachal'nykh navykov igry na violonchell. Moskva, Muzgiz, 1962. 91 p.

[SCOUTS OF THE FUTURE: repertory collection] Razvedchiki budushchego; repertuarnyi sbornik. Moskva, Sovetskaya Rossiya, 1963. 139 p.

SOKHOR, A. [Educational role of music] Vospitatel'naya rol' muzyki. Leningrad, Muzgiz, 1962. 64 p. (Biblioteka muzykal'nogo obrazovaniya)

SOLONIKOVA, O. V., and N. M. SHEREMET'YEVA. [Songs we love] Rodnaya pesnia; uchebnoe posobie dlya uchashchikhsya 2-go klassa. Leningrad, Uchpedgiz, 1962. 115 p.

[SONGBOOK FOR FIRST CLASS PIONEERS] Pesennik pionera pervoi stupeni. Izd. 2., ispr. i dop. Moskva, Muzgiz, 1962. 109 p.

[SONGBOOK FOR SECOND CLASS PIONEERS] Pesennik pionera vtoroi stupeni. Izd. 2., ispr. i dop. Moskva, Muzgiz, 1962. 111 p.

STEFANOVYCH, M. P. [What the theater is] Sheho take teatr. 2., dop. vyd. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 48 p. (Biblioteka z pytan' mystetstva: Teatr)

TSENTRAL'NYI DOM NARODNOGO TVORCHESTVA IMENI N. K. KRUPSKOI, Moscow. [Dances the world over; list of dances for amateur choreographic groups] Tantsy narodov mira; sploshk proizvedeniya dlya postanovok v samodelatel'nykh khoreograficheskikh kolektivakh. Moskva, 1962. 21 p. (Nastrochu VIII Vsesionomu festivalu molodezhi i studentov)

VARFOLOMOS, A. D. [Musical theory for accordionists] Muzykal'naya gramota dlya bayanistov i akordeonistov. Leningrad, Muzgiz. No. 2. [Intervals. Chords] Intervaly, Akkordy. 1962. 81 p. Samozachetnye tablitsy. T. Sotnikova.

VARFOLOMOS, A. D. [Singing in the solfeggio course; on teaching methods in music schools] Pente v kurse sol'fedzho; k melodike prepodavaniya v muzykal'nykh uchilishchakh. Leningrad, Muzgiz, 1962. 61 p. (V pomoshch' pedagogu muzykantu)

YLA, STASYS. [Lithuanian national opera] Lietuviu nacionaline opera. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1960. 103 p. [In Lithuanian]

10. FINE ARTS

ABOLINA, R. IA. [Soviet art of the civil war period and initial years of the building of socialism, 1917-1932] Sovetskoe iskusstvo perioda grazhdanskoi volny i pervykh let stroitel'stva sotsializma, 1917-1932. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 77 p. (Biblioteka po izobrazitel'nomu iskusstvu dlya narodnykh universitetov kul'tury, khudozhestvennoi samodelatel'nosti i shkol'nykh bibliotek)

AFANAS'IEV, V. A. [Soviet Ukrainian painting] Ukrainskiy radians'kiy zhivopys. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 61 p. (Vcheni URSR - universitetam kul'tury)

AFSHAR, SADIQ. [Treatise on painting. Translated from the Persian] Ganun as-sovar (Traktat o zhivopisi). Vvedeniye, perevod, kommentarii i primechaniya A. I. Kazleva. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1963. 99, 60 p. [In Russian and Persian]

AKADEMIA KHUDOZHESTV SSSR. Institut teorii i istorii izobrazitel'nykh iskusstv. [General history of art in six volumes] Vseobshchaya istoriya iskusstv v shesti tomakh. Red. kolektiva: B. V. Vel'man i dr. Moskva, Iskusstvo. Vol. 3. [Art of the Renaissance] Iskusstvo epokhi Vozrozhdeniya. Pod obshchey red. I. D. Kolpinskogo i E. I. Rotenberga. 1962. 630, lxxviii p. illus.

AKADEMIA STROITEL'STVA I ARHITEKTURY SSSR. Institut teorii i istorii arkhitektury i stroitel'noi tekhniki. [Instructions for organizing the protective zones surrounding architectural monuments] Ukazaniya po organizatsii okhranykh zon pamyatnikov arkhitektury. Moskva, Gosstroizdat, 1962. 23 p.

ANTONOVA, L. V. [How and when the Hermitage was built; stories about art for children] Kogda i kak postroen Ermitazh; rasskazy o masterstve dlya detei srednego i starshego vozrasta. Leningrad, Izd-vo Gos. Ermitazha, 1962. 72 p. (Puteshestvie v proshloe po zalam Ermitazha)

[ART OF ANCIENT MEXICO] Iskusstvo drevnei Meksiki. Moskva, Gos. Izd-vo izobraz. iskus., 1962. 16 p. illus.

ASIEIEV, I. U. S., and I. O. HINAT'KIN. [Architecture] Arkhitektura. 2., dop. vyd. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 38 p. (Biblioteka z pytan' mystetstva: Obrazotvorche mystetstvo)

BALTUN, P. K. [A monument to S. M. Kirov in Leningrad; N. Tomskii, the sculptor] Pamyatnik S. M. Kirova v Leningrade; skulptor N. Tomskii. Leningrad, Khudozhnik RSFSR, 1961. 45 p. 15 plates (Russkaya i sovetskaya skulptura) (MH)

BELEN, F. P., pseud. [Throw these people on the waste heap; satirical drawings. Verses by V. Russov] Poroda, na terrikon; satiricheskie risunki. Stikhi V. Russova. Stalino, Knizhnoe izd-vo, 1961. 45 p. illus.

BIRUKOVA, N. I. U. [French porcelain of the 18th century] Frantsuzskaya farforovaya plastika XVIII veka. Leningrad, Izd-vo Gos. Ermitazha, 1962. 316 p. [In Russian and French]

[BUILDING OF COMMUNISM IN THE U. S. S. R AND THE TASKS OF THE FINE ARTS] Stroitel'stvo kommunizma v SSSR i zadachi izobrazitel'noho iskusstva. Moskva, Sovetskii khudozhnik, 1962. 1 v. (MH)

CHEGODAEV, A. D. [Graphic artists of Uzbekistan, Kazakhstan, Kirghizistan, Tajikistan, and Turkmenistan; engraving, lithography, drawings, aquatints] Khudozhniki-grafiki Uzbekskoi, Kazakhskoi, Kirgizskoi, Tadzhikskoi, Turkmenskoi SSR; graviura, litografiya, risunek, akvarel'. Moskva, Sovetskii khudozhnik, 1962. 63 p. illus.

DRUZHENKOVA, G. A. [Vladimir Makovskii. Moskva, Akad. khudozh. SSSR, 1962. 135 p. illus. col. plates. (MH)]

[FRENCH PAINTINGS IN MUSEUMS OF THE U. S. S. R; (an album)] Frantsuzskaya zhivopis' v muzeakh SSSR; [al'bom]. Moskva, Gos. Izd-vo izobraz. iskus., 1962. 14 p. illus.

GERTSENBERG, V. R. Boris Prorokov, Moskva, Izd-vo "Znanie", 1963. 30 p. (Novoe v zhizni, nauko, tekhnike. VI Seriya: Literatura i iskusstvo, no. 3)

IALOVENKO, G. V. [Russian lacquer art] Russkie khudozhestvennye laki. [2. Izd.] Moskva, Vses. koop. Izd-vo, 1960. 49 p. 15 illus. (Khudozhestvennye promysly RSFSR) (MH)

IZMAILOVA, T. A., and M. A. AIVAZIAN. [Art of Armenia] Iskusstvo Armenii. Moskva, Izd-vo "Iskusstvo", 1962. 288 p. (Ocherki istorii i teorii izobrazitel'nykh iskusstv)

KENT, ROCKWELL. [Rockwell Kent; paintings and drawings] Rokuell Kent; zhivopis', grafika. [Moskva, Akad. khudozh. SSSR, 1962] 21 p. plates. (MH)

KIEV. RESPUBLIKANS'KA KHUDOZHNIYA VYSTAVKA, 1961. [Republic-wide art exhibition, 1961] [Al'bom. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, 1962] 22 p., 99 plates.

KOLPINSKAYA, E. M. [M. Sar'ian's landscape paintings of Armenia] Pelazazhi Armenii M. Sar'iana. Moskva, Akad. khudozh. SSSR, 1962. 16 p. illus. 23 plates. (MH)

KOTOV, V. [Palekh art; a guide] Iskusstvo Palekhna; putevoditel'. Moskva, Izd-vo lit-ry na inostr. yazykakh, [n. d.] 135 p. plates. [Parallel texts in Russian and German]

KUDIN, V. A. [What art is] Sheho take mystetstvo. 2., dop. vyd. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, URSR, 1962. 53 p. (Biblioteka z pytan' mystetstva)

LASHKUL, Z. V. [Soviet Ukrainian poster during the Great Patriotic War, 1941-1945] Ukrainskii sovetskii plakat v gody Velikoi Otechestvennoi volny, 1941-1945. Kiev, Izd-vo Akad. nauk URSR, 1962. 172 p.

[LATVIAN FOLK ART; in 3 volumes] Latviesu tautas maksla; trijos sejumos. [XX-XXI gs. Riga, Latvijas Valsts izdevnieciba. [In Latvian] Vol. 2, 1962. 345 p.

LEHOTÉ, HENRI. [The search for the Tassili frescoes. Translated from the French] V pol'skakh freskok Tassili. Moskva, Izd-vo vostochnoi lit-ry, 1962. 137 p. (Po sledam ischeznuvshikh kul'tur Vostoka) (IU) (NIC)

LORDKIPANIDZE, M. N. [Gems of the Georgian State Museum] Gemmy Gosudarstvennogo Muzeia Gruzii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. [In Georgian and Russian] Vol. 3. [Catalog of ancient glyptics found on Georgian territory] Katalog pamyatnikov glipiki, naidennykh na territorii Gruzii. 1961. 88 p. plates.

LVOV, DERZHAVNYI MUZEI UKRAINS'KOHO MYSTETSTVA. [Mykhailo Bryns'kyi, 1893-1937; a catalog of the exhibition] Mykhailo Bryns'kyi, 1893-1937; katalog vystavky. L'viv. M-vo kul'tury URSR, L'vivske obl. upr. kul'tury, 1961. 27 p. plates. (MH)

MAMOLAT, I. E. S. [Monumental-decorative art] Monumental'no-dekorativne mystetstvo. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1961. 39 p. (Biblioteka z pytan' mystetstva)

MANTSEVICH, A. P. [Golden comb from the Solokha burial mound] Zolotoi greben' iz kurgana Solokha. Leningrad, Izd-vo Gos. Ermitazha, 1962. 9 p. illus. [Parallel texts in Russian and French]

[MEMORIAL IN HONOR OF THE HEROIC DEFENDERS OF LENINGRAD; the Piskarev Memorial Cemetery and Museum] Pamyatnik gerolicheskimi zashchitnikam Leningrada; Piskarevskoe memorial'noe kladbishche-muzei. Leningrad, Khudozhnik RSFSR, 1962. 64 p. illus.

MOSCOW. KHUDOZHNIYA VYSTAVKA "RADIAN'S'KA UKRAINA," 1960. [The art exhibition "Soviet Ukraine," 1960. [Al'bom. Kyiv] Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR [1962] 30 p. 175 plates.

MESIHERIS, V. A. [Terra cotta in the Samarkand Museum; catalog of ancient statuettes and other miniature sculptures of baked clay in the Republic Museum of Uzbek Historical Culture and Art in Samarkand] Terrakoty Samarkandskogo muzeia; katalog drevnikh statuetok i drugikh melkikh skulpturnykh izdelii iz obozhzhennoi gliny, khramlashchikhalsya v Respublikanskom Muzeo istorii kul'tury i iskusstva UzSSR v gorode Samarkande. Leningrad, Izd-vo Gos. Ermitazha, 1962. 106 p. illus. [With summary in English]

NIKONOVA, I. I. Mikhail Vasil'evich Nesterov. Moskva, Izd-vo "Iskusstvo", 1962. 199 p. illus.

NIKULIN, N. N. [Details of paintings in the Hermitage; West European painting of the 16th and 18th centuries] Detali Karin Ermitazha; Zapadnoevropeiskaya zhivopis' XV-XVI vekov. Leningrad, Izd-vo Gos. Ermitazha, 1962. 37 p. 205 illus. [Parallel texts in Russian, French and English]

NUROK, A. I. U. [The Soviet poster in the struggle for communism] Sovetskii plakat v bor'be za kommunizm. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 58 p. illus.

PIOTROVSKII, B. B. [Urartean art from the 8th to the 6th century B. C.] Iskusstvo Urartu; VIII-VI vv. do n. e. Leningrad, Izd-vo Gos. Ermitazha, 1962. 122 p. illus.

REPIN, I. E. [I. E. Repin's painting "Religious procession in the Kursk Government."] Kartina I. E. Repina "Krestnyi khod v Kurskoi gubernii." Avtor teksta i sost. I. A. Brodskii. Moskva, Sovetskii Khudozhnik, 1962. 25 p. plates. (Sokrovishcha russkogo iskusstva)

SAK, L. N., and M. I. GEL'MAN. [Sculpture] Skulptura. 2., dop. vyd. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 35 p. (Biblioteka z pytan' mystetstva; Obrazotvorche mystetstvo)

SOPOTSINSKII, O. I. [Image of our motherland in Soviet painting] Obraz nashel Rodiny v sovetskoi zhivopisi. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 54 p.

SHCHUKINA, E. S. [Russian medallie art of the 18th century] Medal'erno iskusstvo v Rossii XVIII veka. Leningrad, Izd-vo Gos. Ermitazha, 1962. 128 p.

SHELKOVNIKOV, D. A. [Glassware] Khudozhestvennoe steklo. Leningrad, Izd-vo gos. Ermitazha, 1962. 165 p.

A 10-11

- SOKOL'NIKOV, M. P.** [Mikhail Mikhailovich Koshkin, Leningrad, Khudozhnik RSFSR, 1962. 38 p. port., illus. (MH)]
- SOPOTSINSKII, O. I.** [Heroics of the building of communism in works of art] Gerolika kommunisticheskogo stroitel'stva v proizvedeniakh iskusstva. Moskva, Sovetskii khudozhnik, 1962. 60 p. (Besedy ob iskusstve)
- TSYRLIN, I. I.** Mariam Arshakovna Aslamazian. Moskva, Iskusstvo, 1962. 60 p. illus. (MH)
- TURCHENKO, I. I.** [Soviet Ukrainian engraving] Ukrain's'kiy radiants'kiy estamp. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 34 p. (Vcheni URSR - universyte-tam kul'tury)
- [UKRAINIAN FOLK ART; carving and art metal]** Ukrain's'ke narodne mystetstvo; riz'bennia ta khudozh-nia metal. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 227 p. (Parallel texts in Ukrainian and Russian)
- VLADYCH, L. V.** [Painting and its genres] Zhyvopys ta ioho zhanry. 2., dopovnena vyd. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 47 p. (Biblioteka z pytan' mystetstva: Obrazotvorche mystetstvo)
- 11. LANGUAGE, LITERATURE & FOLKLORE**
- ABDULDAEV, E., and others.** [Local characteristics of the language spoken by Kirghiz living in Uzbekistan] Mestnye osobennosti iazyka kirgizov prozhivavshchikh v Uzbekistane. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 223 p. [In Kirghiz]
- ABRAMOVICH, A. V., and others.** [Exercises on style in literary Russian] Prakticheskaya stilistika rus-skogo literaturnogo iazyka. [Moskva] Izd-vo Mosk. univ., 1962. 365 p.
- AKADEMIA NAUK GRUZINSKOI SSR, Tbilisi.** [Explanatory dictionary of the Georgian language] Tolkovyil slovar' gruzinskogo iazyka. Glav. red. G. Akhvediani i dr. Pod obshchey red. Arm. Chikobava. Tbilisi, Izd-vo Akad. nauk, SSR. [In Georgian] Vol. 7. Red. K. Lomtadze, S. Mentreshvili, P. Gachechiladze. 1962. 1480 columns.
- AKADEMIA NAUK KAZAKHSKOI SSR, Alma-Ata.** Institut iazykoznanija. [The modern Kazakh language; phonetics and morphology] Sovremennyy kazakhskii iazyk; fonetika i morfologiya. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 451 p.
- AKADEMIA NAUK SSSR, Institut mirovoi literatury.** [Contemporary literature of the United States] Sovremennaya literatura SSHA. Moskva, Izd-vo Akad. nauk SSSR, 1962. 226 p.
- AKADEMIA NAUK SSSR, Institut russkogo iazyka.** [Dictionary of the modern Russian literary language] Slovar' sovremennogo russkogo literaturnogo iazyka. Moskva, Izd-vo Akad. nauk SSSR, Vol. 14. So - slava. 1963. 1380 columns.
- AKADEMIA NAUK TADZHICKOI SSR, Dushanbe.** Institut iazyka i literatury. [Tajik folk tales, Translated from the Tajik] Tadzhikskie narodnye skazki. Dushanbe, Tadzhikgosizdat, 1962. 541 p.
- AKHRYMENKA, P. P.** [White Russian literature and folklore] Belaruskaja literatura i fal'klor. Minsk, Vyd-va M-va vyshchishaj, starydnaj spetsyial'noj i profesional'noj adukatsyi BSSR, 1962. 141 p.
- ALFEROV, V. G.** [Verse and songs] Stikhi i pesni. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962. 56 p. (MH)
- AL'SHITS, D. N., and L. I. RAKOV.** [More dangerous than the enemy; a comedy in three acts] Opasnee vruga; komedija v trekh dejstviiakh. Leningrad, Iskusstvo, 1962. 97 p. [Publ. under D. N. Al'shita's pseud. D. Al']
- ASTREIKA, ANATOL'.** [Neman, my father; verse and songs] Bata'ka moi Noman; vershy i pesni. Minsk, Dziazh, vyd-va BSSR, 1961. 359 p. (NN)
- ATAROV, N. S.** [The way from isolation] Put' iz odino-chostva; zametki publicista. Moskva, Izd-vo "Zna-nie," 1962. 126 p.
- AZERBAIJAN, Ministerstvo kul'tury. Respublikanskii nauchno-metodicheskii kabinet Kul'turnoprosvet-raboty.** [Mirza-Alekber Sabir; on the centenary of his birth] Mirza Alekper Sabir; [k 100-letiju so dnia rozhdenija. Sost. N. Aliev]. Baku, 1962. 54 p. [In Azerbaijani] (MH)
- BARADULIN, RYHOR.** [To grow, to flower, and to ripen; lyrics] Runets; krasavits; nalivatetsa; liryka. Minsk, Dziazh, vyd-va BSSR, 1961. 122 p. (MH)
- BARTO, A. L., and R. ZELENIAIA.** [Gay pages] Pestrnye stranitsy. [Moskva, Gos. izd-vo detskoi lit-ry, 1958] 88 p. (IU)
- BASKAKOV, N. A.** [Introduction to the study of Turkic languages] Vvedenie v izuchenie tiurkskikh iazykov. Moskva, Vysshaja shkola, 1962. 331 p.
- BAUKOV, I. P.** [My friend's youth; a tale] IUnost' moego druga; povest'. Moskva, Sovetskaja Rossiia, 1962. 207 p. (MH)
- BEL'CHIKOV, N. F., ed.** [T. G. Shevchenko in the remi-niscences of his contemporaries] T. G. Shevchenko v vospominaniakh sovremennikov. [Moskva] Gos. izd-vo khudozh. lit-ry, 1962. 511 p. (Serija literaturnykh memuarov) (NN)
- BELIASHVILI, AKAKII.** [Rustavi; a novel. Translated from the Georgian] Rustavi; roman. Tbilisi, Zaria Vostoka, 1961. 259 p. (NNC)
- BERGGOL'TS, O. F.** [Verse] Stikhi. Red. kollegia: V. M. Imber i dr. Moskva, Goslitizdat, 1962. 222 p.
- BERSHADSKII, V. A.** [Captain from Kobuleti; a lyric report] Kapitan iz Kobuleti; liricheskiy reportazh. [Odessa] Odesskoe knizhnoe izd-vo, 1960. 83 p. (Biblioteka moriaka)
- BILETS'KYI, M. S.** [Whoever he is, keep him out of my way; satire and humor] Svi ne svi, na doroz'i ne sti; satyra ta humor. Kyiv, Derzhlitvydav, 1962. 116 p. (MH)
- BIRZE, MIKVALDIS.** [How a story was born. Translated from the Latvian] Kak rodilsia rasskaz. Moskva, Sovetskii pisatel', 1962. 201 p. (MH)
- BOGUSLAVSKII, A. O., and V. A. DIEV.** [Soviet Russian dramaturgy; basic problems of its development, 1917-1935] Russkaja sovetskaja dramaturgiia; osnovnye problemy razvitiia, 1917-1935. Moskva, Izd-vo Akad. nauk SSSR, 1963. 374 p.
- BRAGIN, A. I.** [Two fates; sketches] Dve sud'by; ocherki. Alma-Ata, Kazgoslitizdat, 1962. 227 p. (MH)
- BRANKS, VOLDEMARS.** [Son of a warrior] Kaujinieka dets; stasts. Riga, Latvijas Valsts izdevnieciba, 1962. 77 p. [In Latvian]
- BRAZHNN, I. IA.** [He lives next door. Dasha Svetlova; tales] On zhivet radom, Dasha Svetlova; povesti. [Leningrad] Lenizdat, 1962. 279 p.
- BREDNYK, OLES'.** [Arrow of time; a fantastic novel] Strila chasu; fantastichnyi roman. Kyiv, Molod', 1960. 275 p. (Pryhody, podorozhi, naukova fantastyka) (CY)
- BREMENER, M. S.** [Pay attention, this is not a game; stories] Chur, ne igra; rasskazy. Moskva, Detgiz, 1962. 157 p.
- BRODITSKAIA, I. V.** [Personal letter sent to the tenth grade; a tale] Desiatomu klassu lichno; povest'. [Leningrad] Lenizdat, 1963. 316 p.
- BUL'BANIUK, P., and P. LEBEDEV, comp.** [Folk songs of Kursk Province] Kurskie narodnye pesni. [Kursk] Kurskoe knizhnoe izd-vo, 1962. 234 p.
- CHAUSOV, N. K.** [Long trips; a novel] Dalekie reisy; roman. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1958. 401 p. (IAU)
- CHUKOVSKII, K. I.** [Craftsmanship of Nekrasov] Masterstvo Nekrasova. Izd. 4. Moskva, Goslitizdat, 1962. 727 p.
- CHUKOVSKII, N. K.** [The talisman; airport stories] Talisman; aerodromnye rasskazy. Moskva, Voen. izd-vo, 1961. 212 p. (MH)
- [COMPARATIVE GRAMMAR OF THE ESTONIAN AND RUSSIAN LANGUAGES]** Sopostavitel'naja grammatika estonskogo i russkogo iazyka; dlia prepodavatelei i studentov. [By] E. Pall i dr. Tallinn, Eesti Riiklik Kirjastus, 1962. 434 p.
- CVIRKA, PETRAS.** [The secret; stories] Taina; rasskazy. Moskva, Gos. izd-vo detskoi lit-ry, 1959. 165 p. (IU)
- DEDIUKHIN, B. V.** [Hello, Captain; a sketch] Zdravstvui, kapitan; ocherk. Iuzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1962. 22 p. (Sakhalinskii rasskaz i ocherk) (MH)
- DMYTTERKO, LIUBOMYR.** [Steep slopes of Kiev] Kyiv's'ki kruchi. [Kyiv, Molod', 1962]. 190 p. (MH)
- DOBORDZHGINDE, VENIAMIN.** [Nature and man in the works of Vazha-Pshavela] Priroda i chelovek v tvorchestve Vazha-Pshavela. Tbilisi, Izd-vo AN Gruzinskoi SSR, 1962. 148 p. [In Georgian] (MH)
- DROK, K. L.** [Dnieper melodies; verse] Dnipro's'ki melodi; poezi. Kyiv, Radiants'kiy pys'mennyk, 1955. 114 p. (IU)
- DROZDOV, IL'IA.** [Native sources; verse] Rodnye istoki; stikhi. Riga, Latvinskoe gos. izd-vo, 1962. 91 p. (MH)
- DUDIN, MIKHAIL.** [Teacher; a poem] Uchitel'; poema. Leningrad, Gos. izd-vo detskoi lit-ry, 1959. 23 p. (MIU)
- DUNERIANU, N.** [Servants. Translated from the Rumanian] Sluzhaki. [Bucharest] 1962. 42 p. (Biblioteka "Narodnaia Rumyniia," no. 3)
- DUSHANBE, UNIVERSITET.** [Articles on Soviet literature] Stat'i o sovetskoi literature. Stalinabad, 1961. 89 p. (MH)
- EDDA SAEMUNDAR.** [The Elder Edda; Old Icelandic songs about gods and heroes. Translated from the Old Icelandic] Starshaia Edda; drevnoidandskie pesni o bogakh i geroiakh. Red., vstup. stat'i i kommentarii M. I. Stoblin-Kamenskogo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 257 p.
- EFREMOV, I. A.** [The Andromeda nebula] Tumannost' Andromedy. Izd. 3. [Moskva] Molodaja gvardiia, 1960. 361 p. (CoU)
- EGOROV, N. M.** [Camomile] Stotsvet. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 22 p. (MH)
- EGOROV, N. M.** [There is no peace on earth; lyrics] Net na zemle pokoia; lirika. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 73 p. (MH)
- EMEL'IANOV, A. T.** [Warm springs; stories and a tale] Teplye kluichi; rasskazy i povesti. Moskva, Molodaja gvardiia, 1962. 175 p. (MH)
- ESENIN, S. A.** [Collected works] Sobranie sochinenii. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 5 v. (PPIU)
- EVTUSHENKO, E. A.** [Tenderness; new verses] Nezhnost'; novye stikhi. Moskva, Sovetskii pisatel', 1962. 189 p.
- [FAMILIAR SONGS; 100 songs written by Soviet poets. A songbook]** Znakhomye pesni; 100 pesen' sovetskikh poetov. Pesennik. Moskva, Sovetskii kompozitor, 1962. 143 p.
- FEDOROV, E. A.** [Golden hand; stories of skilled Russians] Zolotyie ruki; rasskazy o russkikh umel'tsakh. [Leningrad] Lenizdat, 1962. 209 p. illus. (MH)
- FILIN, F. P.** [Draft of the Dictionary of Russian Dialects] Proekt slovaria russkikh narodnykh govorev. Moskva, Akad. nauk SSSR, 1961. 197 p. (MH)

- [FLIGHT OF ADAM] Begstvo Adama. [Moskva] Izd-vo "Molodaya gvardiya," 1962. 69 p.
- FORSH, O. D. [Complete works in eight volumes] Sobranie sochinenii v vos'mi tomakh. Moskva, Gos. izd-vo khudozh. lit-ry. Vol. 1-2. 1962. (CtY) (NN)
- GANINA, M. A. [Matvei and Shurka; stories] Matvei i Shurka; rasskazy. Moskva, Sovetskaya Rossiya, 1962. 107 p.
- [A GARLAND FOR THE GREAT BARD] Vinok velykomu kobzarevi. Kyiv, Radlans'kyi pys'mennyk. 1961. 465 p. (CaOTU)
- GARRI, A. N. [Without fanfare] Bez fanfar. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1962. 260 p. (MH)
- GIZATULLIN, NUR. [Kavi Nadzhmi; an account of his life and works] Kavi Nadzhmi; kritiko-biograficheski ocherk. Kazan', Tatknlgolizdat, 1957. 131 p. (NNC)
- GLOTOV, V. I. [Roads; verse] Dorogi; poezi. L'vov, Knzhno-zhurnal'noe izd-vo, 1962. 58 p. (MH)
- GLUMOVA-GLUKHAREVA, E. I. [Dramaturgy of Bertolt Brecht] Dramaturgiya Bertol'ta Brekhta. Moskva, Vysshaya shkola, 1962. 80 p. (V pomoshch' studentu-filologu)
- GOGOL', N. V. [Fair at Sorochinsky. May Night, or the Drowned Maiden] Sorochinskaya iarmarka, Mal'skaya noch', ili utoplennitsa. Moskva, Gos. izd-vo khudozh. lit-ry, 1947. 61 p. (CU)
- GOLUBKOV, V. V. [Methods of teaching literature] Metodika prepodavaniya literatury. Izd. 4., perer. Moskva, Gos. uchebno-pedagog. izd-vo, 1949. 435 p. (ICU)
- GRIGOR'IAN, K. N. [Armenia in Russian literature and painting; the 18th and first half of the 19th century] Armenia v russkoi literature i zhivopisi; XVIII-pervaia polovina XIX veka. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 73 p. illus.
- GROSSMAN, V. S. [For a just cause; a novel] Za pravoe delo; roman. Moskva, Sovetskii pisatel', 1956. 719 p. (NBC)
- GUADANINI, I. [Letters] Pis'ma. Munich, 1962. 38 p.
- GUDZIL, N. K., comp. [Chrestomathy of old Russian literature from the 11th to the 17th century] Khrestomatia po drevnei russkoi literature XI-XVII vekov. Izd. 7., ispr. Moskva, Uchpedgiz, 1962. 543 p.
- HAN, SÖL-YA. [Twilight. Translated from the Korean] Sumerk. Moskva, Gos. izd-vo khudozh. lit-ry, 1958. 189 p. (NN)
- HARDY, FRANK J. [Kokos from Bangary; stories. Translated from the English] Koki iz Bangari; rasskazy. Moskva, Izd-vo "Pravda," 1963. 62 p. (Biblioteka "Ogonek," no. 4)
- HEČKO, FRANTIŠEK. [Holy darkness. Translated from the Slovak] Svätala t'ma. Moskva, Izd-vo inostr. lit-ry, 1961. 206 p. (ČLU)
- HSIN, CH'I-CHIL. [Verse. Translated from the Chinese] [Vstup. stat'ia i kommentarii M. Basmanova] Moskva, Goslitizdat, 1961. 130 p. (MH)
- HURSKI, M. I. [Comparative grammar of the Russian and White Russian languages; phonetics and morphology] Paraanal'naya gramatika russkoi i belaruskoi mou; fonetika i morfoloģia; pndručnik dlia studentov i pedinstyulov. Minsk, Dziarzh. vuchebno-pedagog. vyd-vo M-va asvety BSSR, 1962. 247 p. (MH)
- HUTSAŁO, IE. P. [People among people; a story] Liudy sorod liudoi; opovidannia. Kyiv, Molod', 1962. 246 p. (MH)
- INTERNATIONAL CONGRESS OF ORIENTALISTS. 23d, Cambridge, Eng., 1954. Delegation from the U. S. S. R. [Papers presented by the Soviet Delegation at the XXIII International Congress of Orientalists; Semitic studies] Doklady Sovetskoi Delegatsii na XXIII Mezhdu-narodnom kongresse vostokovedov; semitska semitolo-gii. Moskva, Izd-vo Akad. nauk SSSR, 1954. 35 p. [In Russian and English]
- ISAKOVSKII, M. V. [Works in two volumes] Sochinenia v dvukh tomakh. Moskva, Gos. izd-vo khudozh. lit-ry. Vol. 1. 1961. (NNC)
- ISHMUKHAMMETOV, GALAZ. [Exercises in reading and writing the Arabic script] Navyki chteniia i pis'ma na arabskom shrifte. Kazan', 1961. 31 p. [In Tatar] (MH)
- ISTOMIN, N. K. [Native dawns; lyrics] Rodnye zori; lirika. [Kursk] Kurskoe knizhnoe izd-vo, 1962. 61 p. (MH)
- IVAN'OV, V., comp. [Treasures of folk wisdom; proverbs and sayings of the Transcarpathian Ukrainians] Skazby narodnoi mudrosti; zakarpats'ki ukrains'ki pryslyv'ia ta prykazky. Uzhhorod, Zakarpats'ke oblasne vyd-vo, 1959. 165 p. (MH)
- IVANOV, V. I. [Evening light] Svet vechernii; poems, With an introd. by Maurice Bowra and commentary by O. Deschartes. Edited by Dimitri Ivanov. Oxford, Clarendon Press, 1962. 229 p. (CaOTU)
- IVANYI, VASYLI'. [Genealogy of L. M. Mosendz and his last works] Rodovid L. M. Mosendza i iohu ostanni lysty. [Zhu-Ulm] Ukraina'ki visti, 1961. 13 p. (IU)
- IVASHEVA, V. V. [English novel of the postwar decade, 1950-1960. Moskva, Sovetskii pisatel', 1962. 413 p. (CU)
- IZAR'SKYI, OLEKSA, pseud. [Rilke in the Ukraine] Ril'ke na Ukraini. Philadelphia, "Kyiv," 1962. 66 p. (Literaturoznavcha biblioteka, pt. 1) (IU)
- IZHYK, SEMEN. [The bitter laugh; recollections of the years 1939-1947] Smikh kriz' sl'ozy; spomyny z rokiv 1939-1947. Winnipeg, Postup, 1961. 207 p. (MID)
- JAKOBSON, AUGUST. [Oskar Titus steps over the threshold, and other stories. Translated from the Estonian] Oskar Titus porastupael porog, i drugie rasskazy. Tallin, Estonskoe gos. izd-vo, 1960. 402 p. (NcD)
- JONYNAS, A. [The last supper; a satiric story] Pasku-tine vakarione; satyrine apysaka. Vilnius, Valstybine grozines literaturos leidykla, 1962. 133 p. [In Lithuanian]
- KALININ, A. V. [Forbidden zone] Zapretnaya zona. Moskva, Izd-vo "Pravda," 1963. 2 v. (Biblioteka "Ogonek," nos. 5-6)
- KAPANTSIAN, G. A. [Interrelation between the Armenian and the Laz-Mingrelian languages] O vzaimootnoshenii armianskogo i laz-mingrel'skogoazykov. [Erevan] Akad. nauk Armianskoi SSR, 1952. 48 p. (MH)
- KARPAU, ULADZIMIR. [The banks of the Nemiga are covered with blood; a novel] Niamtli kryvavyia berah; roman. Z tsykla "Na peravato stahoddzin. Minsk, Dziarzh. vyd-vo BSSR, 1962. 494 p. illus. (MH)
- KASH, A. [Collection of texts in Estonian dialects] Valmik eesti murdenalteid. Tartu, Tartu Riiklik Ulikool, 1962. 147 p. [In Estonian]
- KASSIL', L. A. [About a very good life] Pro zhan' sovsem khorosulu. [Moskva] Detgiz, 1962. 168 p.
- KAZAKEVICH, E. G. [When Father arrived to visit his son] Priезд otca v gosti k synu. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 39 p. (Korotkie povesti i rasskazy)
- KAZBEKOV, K. T. [The dragon and the wicked woman; Ossetic tales] Drakon i zlata zhenshchina; ossetinskie skazki. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1962. 108 p. illus. (MH)
- KHARITONOV, L. N. [Voice forms of the verb in Yakut] Zalogovye formy glagola v iakutskomazyke. Moskva, Izd-vo Akad. nauk SSSR, 1963. 123 p.
- KHODZA, N. A. [The most humane man; stories about Lenin] Samyi chelovechnyi chelovek; rasskazy o Lenine. Leningrad, Detgiz, 1962. 76 p. illus.
- KHOMENKO, N. K. [Love story] Povest' pro liubov'. Moskva, Sovetskii pisatel', 1962. 190 p. (MH)
- KHUSNI, FATYKH, pseud. [Thinking aloud; problems of literary skill. Mysli valukh; voprosy literaturnogo masterstva. Kazan', Tatknlgolizdat] 1961. 220 p. [Author's real name: Fatykh Khusnudinovich Khusnudinov. In Tatar] (MH)
- KIEV. UNIVERSITY. [Fifty years of "Pravda"] 50 rokov "Pravdy"; zbirnyk statel. [Kyiv] 1962. 161 p.
- KIEV. UNIVERSITY. [Taras Shevchenko; on the centenary of his death] Taras Shevchenko do 100-richechia z dnia smerti. Kyiv, 1961. 237 p. (IU) (IU)
- KLIASHTORINA, V. B. [Contemporary Iranian poetry; essays] Sovremennaya persidskaya poeziia; ocherki. Moskva, Izd-vo vostochnoi lit-ry, 1962. 146 p.
- KOBYLIANS'KA, OL'HA. [The land] Zemlia. [Kyiv, Derzh. vyd-vo khudozh. lit-ry] 1960. 330 p. illus. (NNC)
- KOBYLIANS'KA, OL'HA. [The tsarevna; a tale] Tsarivna; povist'. Kyiv, Molod', 1961. 307 p. (IU)
- KOLOMIETS', TAMARA. [Our country's horizons; verse] Ridni obrti; poezi. Kyiv, Radlans'kyi pys'mennyk, 1960. 61 p. (NN)
- KOPELEV, L. Z. [Goethe's "Faust"] "Faust" Gete. Moskva, Goslitizdat, 1962. 142 p. (Massovaya istoriko-literaturnaya biblioteka)
- KOPYLENKO, OLEKSANDR. [A city is born, Lieutenant; novels] Rozhdetsia gorod, Lientenanti; romany. Moskva, Sovetskii pisatel', 1962. 422 p. (MH)
- KOSTANOV, D. G. [Selected works; a novel, a tale, and stories] Ykhnye "ome ashechskelkher; roman, povest', rasskazkhor, Myek'uapo, Adyge tchyl'i tedznt, 1962. 615 p. [In Adyge]
- KOSTIN, P. V. [Verses and poems] Stikhi i poemy. Dushanbe, Tadzhikgizdat, 1962. 194 p. [Publ. under his pseud. Pavel Zorin] (MH)
- KOTLIAROV, B. I. [Resembling the father; pages from a diary] Pokhozhi na otca; stranitsy iz dnevnika. Kiev, Radlans'kyi pys'mennyk, 1962. 156 p. (MH) (NIC)
- KOVALIVSKYI, A., comp. [Anthology of Asiatic literatures. Translated from the Adyge and other languages] Antologiya literatury Skhodit. Kharkiv, Vyd-vo Kharkivs'koho derzh. univ. im. O. M. Gor'kogo, 1961. 461 p.
- KRUCHKOV, S. E., I. I. KULIDABA, and L. I. MAKSI-MOV. [Work on the first part of the "Textbook of the Russian language" (Instructions for the revised edition); a teacher's text] Rabota po 1-i chasti "Ucheb-nika russkogoazyka" (ukazaniia k pererabotannomu izdaniu); posobie dlia uchiteloi. Moskva, Uchpedgiz, 1962. 207 p.
- KRYZHANIVSKYI, S. A. [Living witnesses; verse] Svideteli zhivye; stikhi. Moskva, Sovetskii pisatel', 1962. 114 p. (MH)
- KURGANOV, M. S. [Fresh breeze; a novel] Svezhii veter; roman. Tallin, Estonskoe Gos. izd-vo, 1960. 385 p. (KU)

- KUZ'MICHEV, I. K. [Genres of Russian literature during the war years, 1941-1945] Zhany russkoi literatury voennykh let, 1941-1945. Gor'kiy Gor'kovskii gos. univ. im. N. I. Lobachevskogo, 1962. 453 p.
- KVIATKOVSKI, E. V. [Studying Soviet literature in grade 10 of the evening (staggered) school] Izuchenie sovetskoi literatury v X klasse vechernei (smennoi) shkoly. Moskva, Izd-vo Akad. nauk RSFSR, 1962. 301 p.
- LACIS, VILIS. [Works in ten volumes] Raksti, desmit apjumu. Riga, Latvijas Valsts izdevnieciba. [In Latvian] Vol. 10. [1962] 1962. 734 p.
- LARIN, V. I., and I. F. NAZAROV. [Everything remains in the memory; a novel based on a true story] V pamiat' ostavlena vse; [dokumental'naya povest']. Alma-Ata, Kazgostizdat, 1961. 166 p.
- LATVIJAS PADOMJU SOCIĀLISTISKAS REPUBLIKAS ZINĀTŅU AKADEMIJA. Valodas un literatūras institūts. [Latvian folk legends; selections. Translated from the Latvian] Latvijaskele nacionālie piedāvājumi. Izdevniecība. Riga, Izd-vo Akad. nauk Latvijas SSR, 1962. 163 p.
- LAVINAITIS, V. B. [Forest story; a novel] Loshana byl; roman [Chita] Chitinskoe knizhnoe izd-vo, 1962. 312 p.
- LENINGRAD, UNIVERSITET. [Development of realism in the Slavic literatures] Razvitiye realizma v slavjanskikh literaturakh; sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1962. 139 p.
- LEVCHENKO, S. P., M. V. PAVLOVICH, and T. S. MIKHAIL. [Textbook for the study of the Ukrainian language in grades 8 to 10] Posibnyk dlia zaniat' z ukrains'koi mowy u VIII-X klassekh. Kyiv, Radians'ka shkola, 1958. 203 p.
- LEVIN, M. I. [The password remains the same] Parol' ostavlena prozhivna. Dushanbe, Tadzhikgostizdat, 1962. 433 p.
- LEVYKOVSKAYA, K. A. [Theory of words, principles of their construction and aspects of studying lexical material] Teoriya slova, printsipy ee postroeniya i aspekty izucheniya leksicheskogo materiala. Moskva, Vysshaya shkola, 1962. 295 p.
- LENN, VLADIMIR, pseud. [The cranes' way; stories, 1959-1961] Doroga zhuravlei; rasskazy, 1959-1961. Moskva, Sovetskii pisatel', 1962. 447 p.
- LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Lietuviu kalbos ir literatūros institutas. [Dictionary of literary terminology] Literatūros terminų žodynas. Vilnius, Valstybinė politinės ir mokslinės literatūros taisykla, 1962. 60 p. [In Lithuanian and Russian]
- LIETUVOS TSR MOKSLU AKADEMIJA, Vilna. Lietuviu kalbos ir literatūros institutas. [Lithuanian folklore in five volumes] Lietuviu liaudies dainos. Vilnius, Valstybinė politinės ir mokslinės literatūros taisykla. [In Lithuanian] Vol. 1. [Folk songs] Dainos. 1962. 834 p.
- LIKHACHEV, L. I. [Homely face of a petit bourgeois; feuilleton] Murto moshchanina; feletony. Moskva, Sovetskaya Rossiya, 1962. 110 p. (Korotkie povesti i rasskazy)
- LOOKING TOWARD THE FUTURE; collection of articles by young critics] Navstrechu budushchemu; sbornik statei molodykh kritikov. Moskva, Sovetskii pisatel', 1962. 350 p.
- LUKIN, N. V. [Fate of a discovery; a novel] Sud'ba otkrytiya; roman. Moskva, Gos. izd-vo det'skoi lit-ry, 1961. 574 p. (Biblioteka nauchnoi fantastiki)
- LUKEVICH, I. D. [Verses and poems] Vershy, paemy. Minsk, Dzharzh, vyd-va BSSR, 1958. 577 p. plates, part. ("40 hod Sovetskai Belarusi") [Publ. under his pen. d. Ianka Kupala]
- LUZANIN, M. D., and D. D. STOLIAROV. [L. N. Tolstoy as a critic of bourgeois economics] L. N. Tolstoy kak kritik burzhuaznoi politicheskoi ekonomii. Tashkent, Izd-vo Srednaziatskogo gos. univ., 1960. 130 p.
- LUZHANIN, MAKSYM. [Wide open spaces; a book of verse] Prastory; kniha paezii. Minsk, Dzharzhamae vyd-va BSSR, 1958. 190 p.
- LYTKIN, V. I. [A unified scientific transcription of the Finno-Ugric languages] O edinoi nauchnoi transkript-tsi zvukov finno-ugorskikh yazykov. Moskva, Akad. nauk SSSR, 1960. 22 p.
- MAGOMEDOV, B. M. [Prerevolutionary Avaric literature] Ocherki avarskoi dorevolutsionnoi literatury. Makhachkala, Dagestanskii filial Akademii nauk SSSR. Institut yazyka, literatury i narodnogo tvorchestva, 1961. 157 p.
- MAIAKOVSKI, V. V. [Song-like lightning. Children, be like Isaac; verse. Uncle Volodia from our barn-yard; stories about V. Maiakovskii] Pesnia-molnii; Deti, bud'te kak Isai; stikhi. Diadia Volodia s na-shego dvora; rasskazy o V. Maiakovskom. [Moskva] Izd-vo "Molodaya gvardiia," 1962. 254 p.
- MAIBOGOV, K. L. [Taiga giants; a novel] Tachnyye velikany; roman. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 274 p.
- MAIKHOVICH, STSIAPAN. [Ianka Bryl'; his life and works] Ianka Bryl'; zhyttsie i tvorchast's. Minsk, Dzharzh. vyd-va BSSR, 1961. 211 p.
- MAIOROV, N. P. [We; a book of verse] My; kniga stikhov. Red. sost. V. Slakin. [Moskva] Molodaya gvardiia, 1962. 110 p.
- MAJEROVA, MARIE. [The best of worlds; a novel. Translated from the Czech] Luchshii iz mirov; roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1957. 313 p.
- MAMUROV, DABE. [Stories. Translated from the Os-setic] Rasskazy. Moskva, Sovetskii pisatel', 1953. 172 p.
- MARKISH, S. P. [Homer and his poems] Gornier i ego poemy. Moskva, Gosizdat, 1962. 125 p. (Masso-vala istoriko-literaturnaya biblioteka)
- MARSHAK, S. I. A. [At the start of life; pages of reminiscences] V nachale zhizni; stranitsy vospominani. Moskva, Detizh, 1962. 209 p.
- MARSHAK, S. I. A. [Selected lyrics] Izbrannaya lirika. Moskva, Gosizdat, 1962. 150 p.
- MARUNCHAK, M. H. [Markilan Shashkevich and his times] Markilan Shashkevich na tli doby; v 150-lettia z dnia narozhdeniia Probulitelia Zakhidnoi Ukrainy vraz z pidsumkami tsiykh rokoyv v Ukraini i na emi-gratsii. Winnipeg, Zahal'na biblioteka "UKT," 1962. 95 p. (With summary in English)
- MASHENKO, N. M., F. N. TOMASEVICH, and K. T. TSISAR. [Russian literature] Russkaya literatura. Kiev, Radians'ka shkola, 1961. 483 p.
- MASUMI, NOSIRDZHON. [Tajik literature of the 18th and first half of the 19th century] Adabietii tochik dar asri XVII va nimai avvali asri XIX. Mukharriir M. Shukurov. Dushanbe, Nashrieti davlatii adabietii ta'limi-pedagogii Tochikiston, 1962. 89 p. [In Tajik]
- MATRUSHIN, M. I., comp. [Sharp angle; stories] Ostroi ugol; rasskazy. [Riazan'] Riazanskoe knizhnoe izd-vo, 1961. 156 p.
- MATRESHIN, V. F. [Soldier's thoughts; stories] Duniy soldatskie; rasskazy. Minsk, Gos. izd-vo BSSR, 1962. 173 p.
- MATVIAS, I. H. [Syntax of the pronoun in Ukrainian] Syntaksys zaimennykh v ukrains'kii movi. Kyiv, Akad. nauk URSS, 1962. 129 p.
- MAZURKEVICH, O. R. [Outline history of the teaching of Ukrainian literature] Narysy z istorii metodyky ukrains'koi literatury. Kyiv, Radians'ka shkola, 1961. 374 p.
- MEDVEDIEV, F. P. [Present-day Ukrainian] Suchasna ukrains'ka mova. Metodichnyi posibnyk dlia studentiv-zaochnykh filologichnykh fakul'tetiv universitetiv ta fakul'tetiv mowy i lit-ry pedagog. in-tiv. Kharkiv, Vyd-vo Kharkivs'koho derzh. univ. im. O. M. Gor'koho, 1950. 74 p.
- MELENT'EV, V. G. [A woman combant; a tale] Frontovichka; povest'. [2. izd. Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962. 300 p.
- MEL'NIKOV, I. I. [Warmth of the earth; verse] Teplo zemli; stikhi. Moskva, Sovetskii pisatel', 1960. 73 p.
- METEL'SKII, G. V. [Fortunes of the village of Pirchupis] Sud'by derevni Pirchupis; [khudozhestvennyi ocherk]. Moskva, Molodaya gvardiia, 1961. 62 p.
- M'IASTKIVSKYI, A. P. [Horizons; verse] Obril; poezi. Kyiv, Molod', 1959. 104 p.
- MICKIEWICZ, ADAM. [Selected works; lyrics, ballads, poems. Translated from the Polish] Izbrannoe; lirika, ballady, poemy. Moskva, Gos. izd-vo khudozh. lit-ry, 1956. 601 p.
- MIGUNOV, A. A., [Inspecting the teaching of the Russian language in secondary schools] Inspektirovaniye prepodavaniya russkogo yazyka v srednei shkole. Pod red. A. N. Volkovskogo i A. V. Tekucheva. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1958. 205 p. (Pedagogicheskaya biblioteka uchitel'ia)
- MIKHAILOV, V. G. [Rose-colored magic; verse] Rozovaya magia; stikhi. Asuncion, 1960. 88 p.
- MIKHAILEV, V. V. [My land; verse] Zemlia moia; stikhi. [Belgorod, Belgorodskoe knizhnoe izd-vo, 1962]. 53 p.
- MIKSAZATH, KALMAN. [The caged pigeon. Two destitute students. Translated from the Hungarian] Golyakka v kletke. Dva nishchikh studenta. Moskva, Gosizdat, 1962. 181 p.
- MILIAVSKI, A. I. [Shadow over the side street; a play] Tln' nad provolkom; p'iesa. Kyiv, Derzhlitvydav, 1962. 87 p.
- MINIAILO, V. O. [Feather of the firebird; a tale] Pero zhar-ptitsy; opovidanniia. Kyiv, Radians'kyi pys'mennyk, 1960. 186 p.
- MINKOV, SVETOSLAV. [A man arriving from America; stories, feuilletons, tales, sketches. Translated from the Bulgarian] Chelovek, prilyvelil iz Ameriki; rasskazy, feletony, skazki, ocherki. [n. p.] Izd-vo lit-ry na inostr. yazykakh, [1962] 481 p.
- MIZHVUZIVSKA NAUKOVA KONFERENTSIJA Z PYTAN' ISTORYCHNOHO ROZVYT'KU UKRAINS'KOI MOVY, Kharkov, 1959. [Papers delivered at the International Conference on the Historical Development of the Ukrainian Language] Pratsi. Kharkiv, Vyd-vo Khar-kivs'koho derzh. univ., 1962. 343 p.
- MNAČKO, LADISLAV. [Death is called Engelen. Translated from the Slovak] Smert' zovetsia Engel'-khen. Moskva, Izd-vo inostr. lit-ry, 1962. 261 p.
- [MODERN AND ANCIENT YENISEI] Sovremennaya i drevniaya Eniseika. [By] I. A. Batmanov i dr. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 246 p.
- MOROZ, A. T. [Twenty five pages of one love; a tale] Dvadsat' plat' stranitsa odnoi lubvi; povest'. Moskva, Sovetskii pisatel', 1962. 304 p.
- MOSCOW, UNIVERSITET DRUZHBY NARODOV IMENI PATRIKA LUMUMBY. [I sing Russian songs] IA potu russkie pesni. Moskva, 1961. 160 p.
- MOSCOW, VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Lope de Vega; bibliography of Russian translations and critiques in Russian, 1735-1961] Lope de Vega; bibliogra-fia russkikh perevodov i kriticheskoi literatury na russkom yazyke, 1735-1961. Moskva, Izd-vo Vse-soluznoi knizhnoi palaty, 1962. 137 p.

- [MOTHERLAND; verse] Rodina; stikhi. [Red. Fedorov, V. S.] Moskva, Voen. izd-vo, 1961. 215 p. (MH)
- MUKANOV, SABIT. [Bright love; a novel. Translated from the Kazakh] Svetlala liubov'; roman. Alma-Ata, Kazgostizdat, 1962. 320 p. (MH)
- MUSATOV, A. I. [Rain not from a cloud] Dozhdik ne iz neba. [Moskva] Detskii mir, 1960. 18 p. illus. (MIDW)
- MUSINA, GALIMA. [The career of Zul'fita, the poetess. Tvorcheskii put' poetessy Zul'fity. Tashkent, Goslitizdat UzSSR] 1961. 80 p. [In Uzbek] (MH)
- NAUMOV, ALEKSANDR, pseud. ? [Verse] Stikhi. Tashkent, Goslitizdat UzSSR, 1961. 142 p. (Mola pervaya kniga) (MH)
- NAZAREVICH, A. F. [In the world of mountain folk tales; Daghestan notebooks] V mire gorskoi narodnoi skazki; dagestanskii tetradi. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1962. 365 p.
- NEGGO, A. [Island of giants; a tale] Ostrov volkanov; povest'. Moskva, Gos. izd-vo det'skoi lit-ry, 1958. 270 p. (IU)
- NEMTSOV, V. I. [Tales] Povesti [Moskva] "Molodai gvardia," 1962. 509 p. illus. (RPB)
- NEMZER, L. A., and N. A. SYROMIATNIKOV, comps. [Japanese-Russian dictionary. Approximal 34,000 words] Japonsko-russkii slovar'. Pod red. N. I. Fel'dman. Okolo 34 000 slov. Moskva, Gos. izd-vo inostr. i natsional'nykh slovaroi, 1951. 628 p.
- NIKTIN, I. F. [The creators; a novel] Sozidateli; roman. Moskva, Sovetskii pisatel', 1962. 241 p. (CU) (MH)
- NIKOLAEV, V. N. [Aleksai Musatov; an account of his life and works] Aleksai Musatov; kritiko-biograficheski ocherk. Moskva, Detgiz, 1962. 61 p. (Dni det'skoi knigi) (MH)
- NIRK, ENDEL. [Friedrich Reinhold Kreutzwald; biography of the father of our songs] Friedrich Reinhold Kreutzwald; laulutsa elulugu. Tallinn, Eesti Riiklik Kirjastus, 1961. 126 p. [In Estonian]
- NOHIN, PANAS. [Green serpent; a tale] Zelenyi zmi; povest'. Kyiv, Radians'kyl pys'mennyk, 1962. 108 p. (MH)
- NOVIKOV-PRIBOI, A. S. [Collected works in five volumes] Sobranie sochinenii v piati tomakh. Moskva, Izd-vo "Pravda," (Biblioteka "Ogonek") Vol. 4. 1963. 542 p.
- NURMUKHAMEDOV, MARAT. [Brief account of the history of Soviet Kara-Kalpak literature] Kratki ocherk istorii karakalpakskoi sovetskoi literatury. Tashkent, Gos. izd-vo khudozh. lit-ry UzSSR, 1959. 143 p. (GLU)
- OCHERETNYI, O. D. [Only the truth; one-not plays] Tili'ky pravda; odnoaktin'nye p'esy. Kyiv, Derzhlitvydav, 1962. 132 p. (MH)
- ODESSA, UNIVERSITY. [Artists for the people; articles on the work of Soviet writers] Mytsi narodu; zbirka statei pro tvorchist' radians'kykh pys'mennykh. Odessa, M-vo vyshchoi ta serednoi spetsial'noi osvity URSSR, 1961. 163 p. (MH)
- OMAROV, ILIAS. [Thoughts on literature. Dmy o literature; [sbornik statei] Alma-Ata, Kazgostizdat, 1961. 201 p. [In Kazakh] (MH)
- OSTROVSKII, N. A. [Factory whistle] Gudok. Moskva, Gos. izd-vo det'skoi lit-ry, 1951. 15 p. illus. (Kniga za knigoi) (IU)
- PARYGINA, N. D. [Incorrigible; stories of a lieutenant of the militia] Nelspravimyye; rasskazy leitnanta militsii. Izd. 2. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 182 p. (MH)
- PATKOWSKI, MACIEJ. [Scorpions. Translated from the Polish] Skorpiiony. Moskva, Izd-vo inostr. lit-ry, 1962. 136 p.
- PAVLOV, D. A. [Orthographic dictionary of literary Kalmyk] Orfograficheskii slovar' literaturnogo kalmytskogo iazyka. Elista, Kalngosizdat, 1962. 230 p. [In Kalmyk]
- PETLEVANNYI, G. P., and O. S. MALIK, comp. [Four-hundred German proverbs and sayings in rhyme] 400 nemetskikh rymovannykh poslovits i pogovorok. 2. Izd. Moskva, Vysshaya shkola, 1962. 45 p.
- PETUKH, A. I. [Our Kupala] Nash Kupala. Pod red. M. R. Larchanki. Minsk, Biblioteka gazety "Holas Radzimy," 1962. 67 p.
- PIGAREV, K. V. [Life and works of Tiutchev] Zhizn' i tvorchestvo Tiutcheva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 373 p.
- PISKUNOV, V. M. [The creative work of Iurii Smolych] Tvorchist' Iurii Smolycha. Kyiv, Radians'kyl pys'mennyk, 1962. 304 p. (IU)
- PLATONOV, A. P. [Inspired people; war stories] Odukhovlennyye ljudi; voennyye rasskazy. Moskva, Voenizdat, 1963. 230 p.
- PLAVNIK, S. E. [Nightingale; a tale] Solovoi; povest'. Minsk, Gos. izd-vo BSSR, Red. khudozh. lit-ry, 1960. 166 p. (KU)
- PLISETSKII, M. M. [Interrelation of the Russian and Ukrainian epic] Vzaimosvlyazi russkogo i ukrainskogo geroicheskogo epasa. Moskva, Izd-vo Akad. nauk SSSR, 1963. 446 p.
- POGODIN, N. F. [Collection of dramatic works in five volumes] Sobranie dramaticheskikh proizvedenii v piati tomakh. Moskva, Iskusstvo, 1960-61. 5 v. (NN)
- POLONSKY, R. F. [Boys love girls; stories] Lyubly khloptsi divchat; povesti. Kyiv, Derzhlitvydav, 1962. 319 p. (MH)
- POLOZOVA, T. D., ed. [The book as teacher and friend; educational significance of children's and adolescents' literature] Kniga - uchitel' i drug; o vospitatel'nom znachenii det'skoi i iunosheskoj literatury. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 175 p. (Pedagogicheskaya biblioteka uchitelia)
- POPOV, A. S. [Iron stream] Zheleznyi potok. Moskva, Goslitizdat, 1963. 182 p. [Publ. under his pseud. A. S. Serafimovich.]
- POTAPOV, V. S. [A. M. Gor'kii in Borisoglebsk] A. M. Gor'kii v Borisoglebske. Balashov, Balashovskii gos. pedagog. in-t, 1962. 29 p. (MH)
- POVAZHNA, V. M. [Pavlo Hrabov'skyi; a literary portrait] Pavlo Hrabov'skyi; literaturnyi portret. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 104 p. (CU) (MH)
- PRUTKOV, KOZ'MA, pseud. [Works] Sochinenia. [Kostroma] Kostromskoe knizhnoe izd-vo, 1959. 419 p. (OU)
- PUMPIANSKII, A. I. [Reading and translating English scientific and technical literature; phonetics, grammar, vocabulary] Chtenie i perevod angliiskoi nauchnoi i tekhnicheskoi literatury; fonetika, grammatika, leksika. Moskva, Izd-vo Akad. nauk SSSR, 1962. 447 p.
- PUSHKIN, A. S. [Little tragedies] Malen'kie tragedii. [Moskva, Gos. izd-vo khudozh. lit-ry, 1961] 108 p. (OU)
- PUSHKIN, A. S. [Poems of the South] Iuzhnye poemy. Moskva, Gos. izd-vo det'skoi lit-ry, 1949. 109 p. illus. (Shkol'naya biblioteka) (OU)
- PUSHKIN, A. S. [Russian and Liudmila; a poem] Russlan i Liudmila; poema. [Moskva, Gos. izd-vo khudozh. lit-ry, 1960]. 149 p. illus. (OU)
- RACHIAN, KH., comp. [Armenian novels. Translated from the Armenian] Armianskie novelly. Erevan, Armianskoe gos. izd-vo, 1962. 648 p. (MH)
- RAVICH, N. A. [Two capitals; a historical novel] Dve stolitsy; istoricheskii roman. Moskva, Sovetskii pisatel', 1962. 357 p. (MH)
- RETSEPTER, V. E. [Actor's guild; verse] Akterskii tsokh; [stikhi]. Tashkent, Gostizdat UzSSR, 1962. 82 p. (MH)
- RODICHEV, N. I. [The taming of a giant; stories] Pokoreniia Volikana; rasskazy. Kiev, Molod', 1962. 198 p. (MH)
- ROZIDESTVENSKII, R. I. [To one of my age; verse] Rovesniku; stikhi. [Moskva] Molodai gvardia, 1962. 183 p. (MH)
- RUBINSHTEIN, L. E. [The Petrograd quarter; a tale] Petrogradskaia storona; povest'. Moskva, Sovetskii pisatel', 1962. 329 p. (MH)
- RUDANS'KYI, STEPAN. [Humorous songs; fables, ballads, and historical poems] Spivomovky; balky, ballady ta istorichni poemy. New York [Sarna Book and Music Co.] 1956. xxxii, 309 p. (CaOTU)
- RYL'S'KYI, MAKSYM. [Works in ten volumes] Tvory v desiaty tomakh. Kyiv, Derzh. vyd-vo khudozh. lit-ry. Vol. 9. [Articles on literature, art, and folk literature] Statii pro literaturu, mystetstvo i narodnu tvorchiu, 1962. 417 p.
- SALIEV, AZIZ. [Life in verse; remarks on the aesthetic nature of poetry] Zhizn' - v stikhiakh; zametki ob estesticheskoj prirode poezii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 223 p.
- SAL'NIKOVA, I. V. [There is no conciliation; a tale] Net primireniia; povest'. [Moskva] Molodai gvardia, 1962. 126 p. (MH)
- SALTYKOV, M. E. [Old times in Poshchekonia] Poshchekonskaia starina. Poslestvie S. A. Makashina. Moskva, Gos. izd-vo khudozh. lit-ry, 1950. 540 p. (Biblioteka russkogo romana) (OU)
- SARTAKOV, S. V. [Mountain wind. Don't give up the queen; tales] Gornyi veter. Ne otdavai korolevu; povesti. Moskva, Sovetskii pisatel', 1962. 578 p.
- SAVCHENKO, M. M. [Sons of Hippocrates; a play] Syny Hippokrata; p'iesa. Kyiv, Derzhlitvydav, 1962. 93 p. (MH)
- SCOTT, Sir WALTER, bart. [Walter Scott. Collected works in 20 volumes. Translated from the English] Val'ter Skott; Sobranie sochinenii v dvadtsati tomakh. Pod obshch. red. B. G. Reizova i dr. Moskva, Gos. izd-vo khudozh. lit-ry, 1900-61. 5 v. (NJP)
- SEDYKH, K. F. [Dauria; a novel] Dauria; roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 716 p. (MUDW)
- SEMENTOV, V. I. [Lights turned on; a documentary tale] Zazhizhennyye ogon'i; dokumental'naya povest'. Moskva, Sovetskii pisatel', 1962. 139 p. (Liudi Sovetskoi Rossii)
- SEREBRIKOVA, G. I. [Heights of life; an historical-biographical novel (to be continued)] Vershiny zhizni; istoriko-biograficheskii roman. Moskva, Goslitizdat, 1963. 95 p. (Roman-gazeta, no. 3(270))
- SEREBRIKOVA, G. I. [Heights of life; an historical-biographical novel (conclusion)] Vershiny zhizni; istoriko-biograficheskii roman (okonchanie). Moskva, Goslitizdat, 1963. 94 p. (Roman-gazeta, no. 4(280))
- SERPILIN, L. S. [Daybreak. Golden autumn. Season of spring winds] Svitanok. Zolota osen'. Pora vesennykh vityriv. Kyiv, Molod', 1962. 332 p. illus. (MH)
- SEVEROV, P. F. [People and stone] Liudi i kamen'; [sbornik ocherkov]. Kiev, Radians'kyl pys'mennyk, 1962. 418 p. (MH)
- SHAGINIAN, M. S. [Tale of two sisters and the enchanted land of Merets] Povest' o dvukh sestrah i o volshebnoi strane Merets. Moskva, Gos. izd-vo det'skoi lit-ry, 1959. 116 p. (IU)
- SHAPOVALOVA, T. A. [Grammatical analysis in Russian language lessons] Grammaticheskii razbor na urokakh russkogo iazyka; posobie dlia uchitelia. Moskva, Uchpedgiz, 1962. 222 p.

- A 11
- SHCHERBAKOV, V. A. [Girls; a tale] Devushki; povest'. Tashkent, Goslitizdat UzSSR, 1962. 250 p. (MH)
- SHELEPOV, B. F. [There were three of them; a tale] Ikh bylo tri; povest'. [Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1962] 152 p. (MH)
- SHENDEL'S, E. I. [Relationship of linguistics with other scientific disciplines] Svlaz' iazykoznanija s drugimi naukami. Moskva, Vysshaja shkola, 1962. 63 p. (V pomoshch' studentu-filologu)
- SHESTOPAL, M. M. [Present-day American press] Suchasna amerykans'ka presa. [Kyiv] Vyd-vo Kyiv-s'koho univ., 1959. 325 p. (NNC)
- SHEVCHENKO, T. H. [Little bard; a selection of poetry for children] Malyi kobzar; vybrani poezii dlia ditei. Kyiv, Derzh. vyd-vo dytlichol lit-ry URSR, 1961. 111 p. 334 p. (IU)
- SHOLOKHOV, M. A. [Virgin soil upturned; a novel] Podniala iselma; roman. Kn. 1. i 2. [Leningrad] Lenizdat, 1961. 698 p. (TxU)
- SHUKURBEKOV, RAHAN. [The raven. Translated from the Kirghiz] Vorona. Frunze, Kirgizskoe gos. uchebno-pedagog. izd-vo, 1960. 11 p.
- SHUVARS'KA-SHUMYLOVYCH, IRYNA. [Melodious light; verse] Spivnye svitlo; poezii. New York 1959. 62 p. (IU)
- SHUVARS'KA-SHUMYLOVYCH, IRYNA. [Sunday morning; a story] Nedil'nyi ranok; opovidannya. New York, 1962. 64 p. (IU)
- SIDEL'NIYOV, V. M., comp. [Refrains of Smolensk] Smolenskie pripevki. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 105 p. (MH)
- SIDOROV, N. I. [Russia, my country; verse] Rossiia, zemlia moia; stikhi. Moskva, Voen. izd-vo M-va oborony SSSR, 1962. 71 p. (NN)
- SIKORSKII, V., ed. [Girl from the sea; verse by Korean poets. Translated from the Korean] Devushka s moria; stikhi koreiskikh poetov. Moskva, Izd-vo inostr. lit-ry, 1961. 77 p. (CLU)
- SIKORSKII, V. V. [Honeycombs; a book of verse] Soty; kniga stikhov. Moskva, Sovetskii pisatel', 1962. 174 p. (NN)
- SIZOV, I. [As conscience commanded; stories] Kni povolela sovest'; rasskazy. Tashkent, Goslitizdat, 1961. 136 p. (Per vala kniga avtora) (MH)
- SLANOV, GABDUL. [Steppes and steppes; a novel. Translated from the Kazakh] Step' na step'; roman. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1958. 285 p. (IU)
- SLAVICH, S. K. [We are many, you and I; a tale] Nas mnogo, ty i ia; povest'. Moskva, Sovetskii pisatel', 1962. 199 p. (MH)
- SLEZKIN, I. A. [Two families; a tale] Dve sem'i; povest'. Buenos Aires, [Anton] 1961. 77 p. (IU)
- SMOL'NIKOV, A. S. [Plantain; verses] Podorozhnik; stikhi. [Moskva] Molodaja gvardia, 1961. 102 p. (MH)
- SMUL, JUHAN. [The icy book; diary of a journey to Antarctica] Jaine raamat; antarktis-reisi paevik. Tallinn, Eesti Riiklik Kirjastus, 1962. 278 p. [In Estonian]
- SOBELEV, I. V. [Master; an heroic comedy in seven scenes] Khozain; geroticheskaja komediia v 7-mi kartinakh. Variant MKhAT SSSR imeni Gor'kogo. Moskva, Izd-vo "Sovetskaja Rossiia," 1962. 71 p.
- SOFRONOV, A. V. [I love you; verse and songs] Ia vas lubliu; stikhi i pesni. [Moskva] Molodaja gvardia, 1962. 253 p. (NN)
- SOKOLOV, V. K. [Partisan dawn] Partizanskoe zori. [Briansk] Brianskii rabochii, 1962. 90 p. (MH)
- [SOLDIERS OF THE SEVEN-YEAR PLAN] Soldaty semiletii. [Redkol.: Bel'dinskii, L. G. i dr. Chita] Chitinskoe knizhnoe izd-vo, 1960. 138 p. (MH)
- SOLITSYK, OLEKSA. [This earth is ours; a tale] Ta zemlia nasha; povist'. Chicago, Nakl. avtora, 1960. 358 p. (InU) (IU)
- SOMOVA, S. A. [Poem about a poet] Poema o poete. Tashkent, Goslitizdat UzSSR, 1962. 86 p. (MH)
- SOSOKOV, M. P. [Pines on the rock; verse] Sosny na skale; stikhi. Petrozavodsk, Gosizdat, Karel'skoi ASSR, 1962. 74 p. (MH)
- [SOVIET LITERATURE, 1961; a recommended reading list] Sovetskaja literatura, 1961; rekomendatel'nyi ukazatel'. Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1962. 179 p. (Novinki khudozhestvennoi literatury)
- STARIKOV, A. S. [Little lamp; stories] Svetochka; rasskazy. Ioshkar-Ola, Mariiskoe knizhnoe izd-vo, 1961. 62 p. (Rasskazy i ocherki) (MH)
- STARIKOV, V. A. [Radio operator from the "Albatros"; stories] Radist s "Albatrosa"; rasskazy. Moskva, Sovetskaja Rossiia, 1962. 92 p. (Korotkie povesti i rasskazy)
- STEL'MAKH, M. P. [Human blood is not water; Many knismen. Novels] Krov' iudskaja - ne vodiša; roman. Bol'shaja rodina; roman-khronika. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 2 v. (InU)
- STROKOV, P. S. [M. Gor'kii's epic novel "Life of Klim Samgin"] Epopeia M. Gor'kogo "Zhizn' Klimy Samgina." Moskva, Sovetskii pisatel', 1962. 413 p.
- SUVEKA, R., comp. [Plays. Translated from the Moldavian] P'esy. Kishinev, "Kartia moldoveniaske," 1961. 337 p. (KU)
- SVIRIN, A. D., and M. I. LIASHENKO. [Still a long way to Earth; book of knowledge] Do Zemli eshche daleko; kniga znani. Moskva, Izd-vo "Detkii mir," 1962. 95 p.
- SVIRSKII, G. TS. [Leninskii Prospekt; a novel] Leninskii prospekt; roman. Moskva, Sovetskii pisatel', 1962. 389 p. (MH)
- TAL'NIKOV, D. L. [Belinskii's aesthetics of the theater] Teatral'naja estetika Belinskogo. Moskva, Iskusstvo, 1962. 412 p. (MH) (RPB)
- TAN-BOGORAZ, V. G. [Eight tribes; Chukchi stories] Vosem' plemen; chukotkie rasskazy. [Moskva, Goslitizdat, 1961] 401 p.
- TARSIS, VALERII. [The story of a blue fly. The red and the black] Skazanie o sinei mukhe. Krasnoe i chernoe. [Frankfurt am Main] Izd-vo "Posev," 1963. 165 p.
- TARSKII, I. U. [Stronger than death; stories] Sil'nee smerti; rasskazy. Moskva, Voenizdat, 1963. 150 p.
- TERESHCHENKO, D. A. [I believe; verse] Ia veriu; stikhi. Moskva, Sovetskii pisatel', 1961. 99 p. (KU)
- TESLENKO, A. I. U. [What I would have been] Shcho b z mene bylo. Kyiv, Derzh. vyd-vo dytlichol lit-ry, 1961. 40 p. 111 p. (InU)
- TETERUK, I. N. [Hand in hand with worker and farmer reporters] Ruka ob ruku s rabotnikami i sel'skimi rabotnikami. Moskva, Goslitizdat, 1962. 69 p.
- TITOV, R. I. U. [Fresh paint and other stories] Svezhaty krasa i drugie rasskazy. Tallinn, Estonskoe gos. izd-vo, 1961. 167 p. (MH)
- TOLSTOI, L. N. [After the ball; stories] Posle bala; rasskazy. Moskva, Gos. izd-vo detskoi lit-ry, 1958. 79 p. (Shkol'naja biblioteka) (IU)
- TOLSTOI, L. N. [Complete collected works] Polnoe sobranie sochinenii. Izd. osushchestvliavaiia pod nabludeniem Gos. red. komissii. Moskva, Goslitizdat. Vols. 21, 37, 45, 81-82. 1956-1957.
- TOLSTOI, L. N. [Sevastopol stories] Sevastopolskie rasskazy. Moskva, Goslitizdat, 1960. 156 p. (PPIU)
- TRIFONOV, N. A., comp. [Russian literature of the 20th century (the prerevolutionary period); a chrestomathy] Russkaja literatura XX veka (dorevolucionnyi period); khrestomatia. Moskva, Uchpedgiz, 1962. 698 p.
- TS'AO, CHIH, 192-232. [Seven sorrows; verse. Translated from the Chinese] Sem' pechalei; stikhotvereniia. [Vstup. stat'ia i prim. L. Cherkasskogo. Moskva, Goslitizdat, 1962] 142 p. (MH)
- TSVILLING, M. IA. [The German language] Nemetskii iazyk. Moskva, Izd-vo In-ta mezhduimarnodnykh etno-shenii, 1962. 69 p. (IAzyki narodov mira)
- TURAEV, S. V. [Introduction to West European literature of the 18th century] Vvedenie v zapadnoevropeiskuiu literaturu XVIII veka. Moskva, Gos. izd-vo "Vysshaja shkola," 1962. 67 p. (V pomoshch' studentu filologu)
- USHAKOV, N. N. [Palace of spring; verse] Vesnodavets; stikhotvereniia. Kyiv, vyd-vo khudozh. lit-ry, 1962. 134 p. (CU)
- USPENSKII, B. A. [Principles of structural typology] Printsipy strukturalnoi tipologii. [Moskva] Izd-vo Mosk. univ., 1962. 62 p.
- USPENSKII, L. V. [A word about words. You and your name] Slovo o slovakh. Ty i tvoe imia. [Leningrad] Lenizdat, 1962. 633 p.
- USPENSKII, V. D. [Unknown soldiers; a novel] Neizvestnye soldaty; roman. Moskva, Sovetskaja Rossiia, 1962. 878 p.
- VAKSBERG, A. I. [It's all obvious to the court] Sudu vse lasno. Moskva, Izd-vo "Znanie," 1962. 107 p. (Prochti tovarishchi)
- VASHCHENKO, V. S. [From the history and geography of dialectal words; materials for the study of vocabulary of dialects in the central and lower Dnieper Valley (in preparation for the Fifth International Congress of Slavists)] Z istorii i geografii dialektnykh slov; materialy do vyucheniia lektsykh hovoriv serezhnoi ta ryzhnoi Naddniproianschyny (nazustrich V Mizhmarodnomu z'izdovi slavistiv). Kharkiv, Vyd-vo Kharkivs'koho univ., 1962. 173 p.
- VELIKOVSKII, S. I. [Poets of the French revolutions, 1789-1848] Poety frantsuzskikh revoliutsii, 1789-1848. Moskva, Izd-vo Akad. nauk SSSR, 1963. 277 p. (Akademiia nauk SSSR. Nauchno-populiarnaia seria)
- VICOL, DRAGOS. [Second youth. Translated from the Rumanian] Viorala mladost'. [Bucharest] 1962. 47 p. (Biblioteka "Narodnaia Rumynia," no. 2)
- VIL'CHINSKII, V. P. [Konstantin Mikhailovich Stanislavovich; his life and works] Konstantin Mikhailovich Stanislavovich; zhizn' i tvorchestvo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 334 p.
- VINNICHENKO, I. F. [Creativity triumphs; from a writer's notebook] Tvorchestvo pobezhdaet; iz bloknota pisatelia. [Moskva] Izd-vo "Molodaja gvardia," 1962. 47 p.
- VIRTA, N. E. [Catastrophe; a tale] Katastrofa; povest'. Moskva, Voenizdat, 1963. 187 p.
- VOINOV, V. I. [First swallows; diary of a village teacher] Pervye lastochki; dnevniki derevenskogo uchitelia. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1962. 287 p. (MH)
- VOLKOV, A. A. [The creative path of A. S. Serafimovich] Tvorcheskii put' A. S. Serafimovicha. Izd. 2. Moskva, Goslitizdat, 1963. 382 p.
- VOLKOV, I. F. [Socialist realism] O sotsialisticheskom realizme. Moskva, Iskusstvo, 1962. 94 p. (MH) (RPB)
- VOLKOV, I. A. V. [Bright talent] Svetlyi talant. [Orlov] Orlovskoe knizhnoe izd-vo, 1961. 60 p. (InU) (MH)

12. GEOGRAPHY & GEOLOGY

- VOLOSOKOV, V. V. [Screech owl] Sych. Perm', Permskoe knizhnoe izd-vo, 1961. 84 p. (Rasskazy o sovetskikh ludiakh) (MH)
- VOROB'EV, N. I. A. [Soldier from afar; stories] Soldat izdaleka; rasskazy. Moskva, Voen. izd-vo, 1961. 75 p. (Biblioteka soldata i matrosa) [Publ. under his pseud. Nikolai Moskvlin] (MH)
- VOSKRESENSKAIA, Z. I. [Through an icy haze; stories about Vladimir Il'ich Lenin] Skvoz' ledianulu mglu; rasskazy o Vladimire Il'iche Lenine. Moskva, Detgiz, 1962. 117 p.
- VSESOIUZNOE OBSHCHESTVO PO RASPROSTRANENIIU POLITICHESKIKH I NAUCHNYKH ZNANI. [Model subject instruction plan and program for Russian classical, Soviet and foreign literature] Primernyi uchebno-tematicheskii plan i programma po russkoi klassicheskoi, sovetskoi i zarubezhnoi literature; dlia narodnykh universitetov kul'tury s dvukhgodichnym srokom obucheniia. Moskva, Izd-vo "Znanie," 1962. 71 p.
- VYSHEN'SKIY, IVAN. [Works] Tvory. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1959. 267 p. (MID)
- VYSHESLAVSKIY, N. [Starry sonnets] Zvezdnye sonety. Moskva, Sovetskii pisatel', 1962. 102 p.
- [YAKUT STORIES. Translated from the Yakut] Iakutskie rasskazy. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 341 p.
- [THE YEAR ROUND, 1963] Kruglyi god 1963. Moskva, Detgiz, 1963. 223 p.
- ZAVADOVSKIY, I. N. [Arabic dialects of Magrib] Arabskie dialekty Magriba. Moskva, Izd-vo Vostochnoi lit-ry, 1962. 131 p. (Iazyki zarubezhnogo Vostoka i Afriki)
- ZEMLIAK, V. S. [Angry Stratton; tales] Gnevnyi Stratton; povesti. Moskva, Sovetskii pisatel', 1962. 238 p. (MH)
- ZHAVORONKOV, B. I. [First meeting; verse] Pervoe svidanie; stikhi. [Razan'] Rinzanskoe knizhnoe izd-vo, 1962. 95 p. (MH)
- ZHESTEV, M. I. [Tat'iana Tarkhanova; a novel] Tat'iana Tarkhanova; roman. Moskva, Sovetskii pisatel', 1962. 407 p. (MH)
- ZHURAVLEV, V. A. [The land around Tambov; verse] Pri tambove; stikhi. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 47 p. (MH)
- ZINDER, L. R., and T. V. STROEVA. [Textbook on the theoretical grammar and lexicology of the German language] Posobie po teoreticheskoj grammatike i leksikologii nemetskogo iazyka; dlia studentov pedagogicheskikh institutov. Leningrad, Uchpedgiz, 1962. 147 p.
- ZLODIN, S. P. [Missing in action; a novel] Propavshie bez vesti; roman. Moskva, Izd-vo "Sovetskii pisatel'," 1962. 2 v.
- ZOGRAF, I. T. [Study of medieval Chinese grammar; on the basis of "Ching pen t'ungau hsiaoshuo,"] Ocherk grammatiki srednevekovskogo iazyka; po pamiatniku "Tszin' ben' tunsu hsiaoshuo." Moskva, Izd-vo vostochnoi lit-ry, 1962. 121 p.
- ZOLA, ÉMILE. [Collected works, Translated from the French] Sbranie sochinenii. Pod obshchei red. I. Anisimova i dr. Moskva, Gos. izd-vo khudozh. lit-ry, 1960-1961. 2v. (NJP)
- ZORIN, L. G. [Plays] P'sy. Moskva, Sovetskii pisatel', 1962. 320 p. (NN)
- ZUBKOV, S. D. [Ievhen Pavlovych Hrebinka; his life and works] Ievhen Pavlovych Hrebinka; zhittia i tvorchiat'. Kyiv, Derzhlitvydav Ukrainy, 1962. 209 p.
- ZUKAUSKAS, ALB. [Long furrows] Ilgosios varanos, Vilnius, Valstybine grozines literaturos leidykla, 1962. 162 p. [In Lithuanian]
- AFONIN, L., and Z. SIDEL'NIKOVA. [Memorable places of Ore] Pamiatnye mesta Oria. [Ore] Orlovskoe knizhnoe izd-vo, 1962. 62 p. illus.
- AKADEMIIA NAUK ARMJANSKOI SSR, Eriyan. Institut geologicheskikh nauk. [Chemical composition of igneous and metamorphic rocks in the Armenian S.S.R.] Khimicheskie sostavy izverzhennykh i metamorficheskikh gornykh porod Armjanskoi SSR. [By] S. B. Abovian i dr. Erevan, Izd-vo Akad. nauk Armjanskoi SSR, 1962. 433 p.
- AKADEMIIA NAUK GRUZINSKOI SSR, Tiflis. Geologicheskii institut. [Subdivision of the Lower Cretaceous of the Alpine zone] Podrazdelenie nizhnego meta Al'piskoi zony. [By] M. S. Eristavi, Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 113 p. (Ilg. Monografiia, no. 11)
- AKADEMIIA NAUK SSSR. Institut etnografi. [Number and distribution of the peoples of the world] Chislennost' i rasselenie narodov mira. Pod red. S. I. Bruka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 482 p. (Narody mira; etnograficheskie ocherki)
- AKADEMIIA NAUK SSSR. Institut etnografi. [Peoples of Central Asia and Kazakhstan] Narody Srednei Azii i Kazakhstana. Pod red. S. P. Tolstova i dr. Moskva, Izd-vo Akad. nauk SSSR. (Narody mira; etnograficheskie ocherki) Vol. 1. 1962. 786 p.
- AKADEMIIA NAUK SSSR. Institut geografii. [The Arctic Ural] Polarnyi Ural. Moskva, (Ilg. Materialy glatsiologicheskikh issledovani) [With summary in English] Khodakov, V. G. [Ablation, Runoff] Ablatiia, Stok. 1962. 140 p. Khodakov, V. G. [Snow cover] Snezhnyi pokrov. 1962. 120 p. Troitskii, L. S. [Glacial morphology] Glatsiogeomorfologiya. 1962. 186 p. Troitskii, L. S. [General description of the studies] Obshchee opisaniie issledovani, 1962. 55 p.
- AKADEMIIA NAUK SSSR. Institut geografii. [Franz Josef Land] Zemlia Frantsa-Iosifa. Moskva, (Ilg. Materialy glatsiologicheskikh issledovani) [With summary in English] Grosval'd, M. G., and T. V. Psareva, [Ice structure] Struktura l'da, 1962. 89 p.
- AKADEMIIA NAUK SSSR. Institut geografii. [Franz Josef Land: Glaciomorphology] Zemlia Frantsa-Iosifa: Glatsiogeomorfologiya. Moskva, (Ilg. Materialy glatsiologicheskikh issledovani) [With summary in English] Sukhodrovskii, V. L. [Relief and recent processes of relief formation in the periglacial zone] Rel'ef i sovremennye rel'efoobrazovushchie protsessy v prilednikovoi zone. 1962. 73 p.
- AKADEMIIA NAUK SSSR. Institut geografii. [Notes and discussions] Khronika obsuzhdenia. Moskva, (Ilg. Materialy glatsiologicheskikh issledovani) [With summary in English] No. 4-6, 1962.
- AKADEMIIA NAUK SSSR. Institut geografii. [Novaya Zemlya] Novaya Zemlia. Moskva, (Ilg. Materialy glatsiologicheskikh issledovani) [With summary in English] Bazhev, A. B., and V. I. A. Bazheva. [Ice structure] Struktura l'da, 1962. 173 p. Bazhev, A. B., V. I. A. Bazheva, and V. S. Koriakin. [Glacial morphology. Movement of a glacier] Glatsiogeomorfologiya. Dvizhenie lednika [By] V. S. Koriakin, 1962. 78 p.
- AKADEMIIA NAUK SSSR. Institut narodov Azii. [Modern Lebanon; a handbook] Sovremennyi Liban; spravochnik. Moskva, Izd-vo vostochnoi lit-ry, 1963. 222 p.
- AKADEMIIA NAUK SSSR. Laboratoriia mineralogii i formirovaniia bituminoznykh svit. [Mineralogy and facies of bituminous formations in some provinces of the U. S. S. R.] Mineralogiia i fazi bituminoznykh svit rinda oblastei SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1962. 245 p.
- AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Institut zemnoi kory. [Mudflow in Slyudyanka in the Lake Balkal region, June 20, 1960] Selevoi pavidok v g. Slyudyanka na Balkale 20 iunia 1960 g. Moskva, Izd-vo Akad. nauk SSSR, 1963. 70 p.
- ALEKSEEVA, R. E. [Devonian Atrypa of the Kuznetsk and Minusinsk Basins and the eastern slope of the Northern Ural] Devonskie atripidy Kuznetskogo i Minusinskogo basseinov i vostochnogo sklona Severnogo Urala. Moskva, Izd-vo Akad. nauk SSSR, 1962. 195 p. tables.
- ASEEV, A. A., and I. E. VEDENSKAIA. [Relief development of the Meshchera Lowland] Razvitiie rel'efa Meshcherskoi nizmennosti. Moskva, Izd-vo Akad. nauk SSSR, 1962. 126 p.
- BAIDN, S. S. [Runoff and the levels of the Volga Delta] Stok i urovni del'ty Volgi. Moskva, Gidrometeoizdat, 1962. 336 p.
- BEUS, A. A., and others. [Albitized and greisenized granites (apogranites)] Albitizirovannye i greizenizirovannye granity (apogranity). Moskva, Izd-vo Akad. nauk SSSR, 1962. 195 p.
- [BRACHIOPODA, OSTRACODA, AND SPORES OF THE MIDDLE AND UPPER DEVONIAN IN BASHKIRIA] Brachipody, ostrakody i spory srednego i verhnego devona Bashkiri. [By] A. P. Tazheva i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 477 p.
- BULATOV, B. [Brazil] Braziliia. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. XII Seria: Geologiya i geografiia, no. 2)
- [DNEPER; guidebook] Dnepr; putevoditel'. [Kiev] Kievskoe obl. knizhno-gazetnoe izd-vo, 1962. 332 p. [MICROFILM]
- [DYNAMIC CHARACTERISTICS OF SEISMIC WAVES IN REAL MEDIA] Dinamicheskie kharakteristiki seismicheskikh voln v real'nykh sredakh. [By] I. S. Berzon i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 511 p.
- [FUNDAMENTALS OF PALEONTOLOGY] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadsati tomakh. Glav. red. I. A. Orlov. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Sponges, Archaeocyathidae, Coelenterate, worms] Gubki, arkhatsiaty, kshachnopolosnye, chervy. Otv. red. toma B. S. Sokolov. 1962. 484 p.
- GRIN, M. F. [Hidden treasures of "old" regions] Klady "starykh" raiionov. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. XII Seria: Geologiya i geografiia, no. 4)
- GRUMM-GRZHIMAILO, A. G. [In search of the plant resources of the world; some scientific results of Academician N. I. Vavilov's travels] V polskakh rastitel'nykh resursov mira; nekotorye nauchnye itogi puteshestviia akademika N. I. Vavilova. Moskva, Izd-vo Akad. nauk SSSR, 1962. 147 p. (Akademiiia nauk SSSR. Nauchno-populiarnaiia seriia)
- HOFFMEISTER, ADOLF. [The view from the pyramids; report on a trip and on the new youth of the oldest culture in the world. Translated from the Czech] Vid s piramid; reportazh o puteshestvii i novoi molodosti drevneishoi kul'tury mira. Moskva, Izd-vo vostochnoi lit-ry, 1961. 150 p. illus. (Puteshestviia po stranam Vostoka) (MH)
- [HYDROLOGIC CALCULATIONS FOR RIVERS OF THE UKRAINE] Gidrologichni rozrachunki dlia richok Ukrainy; pry vidumosti sposterezen'. [By] P. F. Vyshneva'kyi ta inshi. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 385 p.
- IANCU, MIHAI. [The Carpathians] Karpaty. Predisl. Tudora Argezi. Bucharest, Izd-vo "Meridiany," 1960. 18 p. illus. (Vidy Rumynii)
- IUZOVSKIY, I. U. [Natasha and I sail on the Volga; a Volga diary] My s Natashet plyvem po Volge; volzhskii dnevnik. Moskva, Sovetskii pisatel', 1962. 312 p. (MH)
- IVANOV, B. A. [Plan of the stratigraphy, facies regionalization, and tectonics of the Sikhote-Alin' Range] Skhema stratigrafi, faziial'nogo raiionirovaniia i tektoniki Iuzhnogo Sikhota-Alinia. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1961. 45 p.
- KACALOVA, O., A. KUMSARE, and M. KUNDZINS. [Large lakes in the vicinity of Riga] Lielle ezeri Rigas apkarte, Riga, Latvijas PSR Zinatnu Akademijas Izdevnieciba, 1962. 66 p. [In Latvian]
- KLENOVA, M. V. [Sediments of the Arctic Basin; based on materials from the drift of the icebreaker, "G. Sedov,"] Osadki Arkticheskogo basseina po materialam droifa l/p "G. Sedov." Moskva, Izd-vo Akad. nauk SSSR, 1962. 103 p.
- KLIMENTOV, P. P. [General hydrogeology] Obshchala gidrogeologiya. Izd. 2., perer. Moskva, Vysshiaia shkola, 1962. 210 p.

A 12-13

- KOZLOVSKIY, M. F. [Japan seen through the lens; news photographer's notes] V ob'ektyvi Iaponii; zapyski fotokorespondenta. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 69 p.
- LACHINIAN, L. A. [In the depth of the earth] V glubiny Zemli. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya: Geologiya i geografiya, no. 1)
- [THE LAND AND THE PEOPLE; geographical calendar for 1963] Zemlia i ljudi; geograficheskii kalendar' 1963. Moskva, Geografiz, 1962. 303 p.
- LENINGRAD; vidy goroda. Leningrad; views of the city. Moskva, Gos. izd-vo izobraz. iskus., 1962. 1 v. (chiefly illus.)
- MACEKA, J., and P. GUDYNAS. [Vilnius; city guide-book] Vilnius; putevoditel' po gorodu. Vilnius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1962. 389 p.
- [MICROFILM]
- MARKOVA, L. P. [Stratigraphy of Pliocene sediments in the oil regions of western Turkmenia] Stratigrafiya plitsenovykh otlozhenii nefiannykh raionov Zapadnoi Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmen'skoi SSR, 1962. 116 p.
- MARYNYCH, O. M. [Ukrainian Polesye; physiogeographical sketch] Ukrain's'ke Polissia; fizyko-geografichnyi narys. Kyiv, Radians'ka shkola, 1962. 161 p.
- MEIROVICH, M., and B. KOLODIZH. [Become acquainted with Yaroslavl; a brief sketch and guidebook] Znakiom'sya s Yaroslavl'; kratkii putevoditel'. [Yaroslavl'] Yaroslavskoe knizhnoe izd-vo, 1962. 52 p.
- [MICROFILM]
- [METALLOGENY OF AZERBAIJAN] Metallogeniia Azerbaidzhana. [By] R. N. Abdullaev i dr. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 115 p.
- MICHAILOV, N. N., and Z. V. KOSENKO. [The Americans; travel tales] Amerikantsy; putevaya povest'. 2. Izd. Moskva, Sovetskii pisatel', 1962. 237 p.
- MOSCOW, UNIVERSITET. Nauchno-metodicheski kabin et po zaachnomu i vechernemu obucheniiu. [Ethnographical outline of the peoples of the U.S.S.R. (European part)] Ocherki po etnografii narodov SSSR (Evropelskaya chast'); uchebnoe posobie. [Moskva] Izd-vo Mosk. univ., 1962. 125 p.
- MOSCOW, UNIVERSITET. Nauchno-metodicheski kabin et po zaachnomu i vechernemu obucheniiu. [Physical geography of the U.S.S.R.] Fizicheskaya geografiya SSSR; izbrannye lektsii dlia studentov-zachnikov geograficheskikh fakul'tetov gosudarstvennykh universitetov. Pod red. N. A. Gvozdet'skogo. [Moskva] Izd-vo Mosk. univ. No. 6. [By] A. A. Makunina, I. P. Parmuzin. 1962. 141 p.
- MUROVYCH, VOLODYMYR. [Across the Holy Land; impressions of a trip and a description of the holy places. Po Sviatli Zemli; vrazhennia z podorozhi i opys sviatlykh mist's'. [Munich] Ukrain's'ke knolyt's'ke vyd-vo, 1959. 114 p. (MID)]
- MURZAEV, E. M. [Travels without adventures and phantasies; geographer's notes] Puteshestviia bez prikluchenii i fantastiki; zapiski geografa. Moskva, Geografiz, 1962. 168 p. (Rasskazy o prirode)
- NAUCHNO-KOORDINATSIONNOE SOVESHCANIE, POSVIASHCHENNOE VOPROSAM ISSLEDOVANIA FIZIKO-MEKHANICHESKIKH SVOISTV GORNYYKH POROD PRIMENITEL'NO K ZADACHAM UPRAVLENIIA GORNYM DAVLENIIEM. Moscow, 1961. [Papers from a scientific coordinating conference devoted to problems in the study of the physicochemical properties of rocks in connection with controlling rock pressure] Sbornik statei. Pod red. M. M. Protod'akova i R. I. Federa. Moskva, Izd-vo Akad. nauk SSSR, 1962. 192 p.
- [ON LAND AND SEA; tales, stories, and sketches] Na suhe i na more; povesti, rasskazy, ocherki. Moskva, Geografiz, 1962. 646 p. (Puteshestviia, prikluchenila, fantastika)
- POPOV, I. V. [Methodological principles for studying river channel processes] Metodicheskie osnovy issledovaniia ruslovogo protseasa. Pod red. N. E. Kondrat'eva. Leningrad, Gidrometeoizdat, 1961. 204 p.
- [THE RESORT OF NAL'CHIK; photographs of Kabardino-Balkaria] Kurort Nal'chik; Kabardino-Balkaria v fotosnimkakh. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 1 v. illus.
- RUSSIA (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografi. [Through five republics by automobile] Po plati republikan na avtomobile. [Moskva] 1962. 7 fold, p.
- SADYKOV, A. M. [Middle Paleozoic bivalve mollusks in the Atasu region (central Kazakhstan)] Srednepaleozol'skie dvustvorchatye moliuski Atasu; Tsentral'nyi Kazakhstan. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 98 p. tables.
- SOLODOV, N. A. [Internal structure and geochemistry of rare-metal granite pegmatites] Vnutrennee stroenie i geokhimiia redkometal'nykh granitnykh pegmatitov. Moskva, Izd-vo Akad. nauk SSSR, 1962. 233 p.
- STEPANOV, E. P. [In the Volga Delta] V del'te Volgi. Astrakhan', Izd-vo gazety "Volga," 1961. 68 p.
- STRAKHOV, N. M. [Fundamentals of the theory of lithogenesis] Osnovy teorii litogeneza. Moskva, Izd-vo Akad. nauk SSSR. Vol. 3. [Characteristics of the composition and distribution of arid sediments] Zakonomernosti sostava i razmeshcheniia aridnykh otlozhenii. 1962. 549 p.
- [THROUGH THE EYES OF SAILORS] Glazami moriakov. [Odessa] Odesskoe knizhnoe izd-vo, 1962. 120 p.
- TOBOL'SK. KRAEVEDCHESKII MUZEI. [Monuments of Tobolsk and its environs; excursions to historic places] Pamiatniki Tobolska i ego okrestnostei; okursy po istoricheskim mestam. Tiumen', 1960. 71 p. illus. (MI)
- TOKHTUEV, G. V., V. G. BORISENKO, and A. A. TITLIA-NOV. [Physicochemical properties of rocks in the Krivoy Rog Basin] Fiziko-mekhanicheskie svoista gornykh porod Krivbassa. Kiev, Gostekhnizdat USSR, 1962. 100 p.
- [URANIUM GEOLOGY] Voprosy geologii urana. Moskva, Atomizdat, 1957. 159 p.
- VAILOV, N. I. [Five continents] Piat' kontinentov. Moskva, Geografiz, 1962. 253 p.
- VRUBLEVSKII, M. I. [Mineral waters of the central Caucasus as one of the manifestations of its geological development] Mineral'nye vody Tsentral'nogo Kavkaza kak odno iz proiavlenii ego geologicheskogo razvitiia. [Leningrad] Izd-vo Leningr. univ., 1962. 254 p.
- WASILEWSKA, WANDA. [Ten days in Cuba. Translated from the Polish] Desiat' dniy na Kubi. Kyiv, Radians'kyi pys'mennyk. 1962. 137 p. (MI)
- ZVONKOV, V. V. [Water and wind erosion of the earth] Vodnaya i vetrovaya eroziia zemli. [Moskva] Izd-vo Akad. nauk SSSR, [1962] 174 p.
- ZVONKOVA, T. V. [Deserts come back to life] Pustyni ozhivalut. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya: Geologiya i geografiya, no. 3)
- AGLINTSEV, K. K., and others. [Applied dosimetry] Prikladnaya dozimetriia. Pod obshchei red. K. K. Aglintseva. Moskva, Gosatomizdat, 1962. 246 p.
- AKADEMIIA MEDITSINSKIKH NAUK SSSR, Moscow. [Research on the physiology of work processes] Issledovaniia po fiziologii trudovykh protsessov. Pod obshchei red. A. A. Letaveta. Moskva, Medgiz, 1962. 279 p.
- AKADEMIIA NAUK SSSR. Institut mineralogii, geokhimi i kristalloghimi rodnykh elementov. [Rare alkali metals (lithium, rubidium, and cesium); a bibliography on their geochemistry, mineralogy, crystal chemistry, geology, the analytic methods of their determination, and their economics] Redkie shchelochnye metally (liti, rubidi i tsezii); bibliografiya po geokhimi, mineralogii, kristalloghimi, geologii, analiticheskim metodam opredeleniia i ekonomike. Sost. B. I. Kogan i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 327 p.
- AKADEMIIA NAUK SSSR. Mezhdunarodnyi geofizicheskii komitet. V razdel programmy MGG. [Papers] Sbornik statei. Moskva, Izd-vo Akad. nauk SSSR. No. 11. Khvostikov, I. A. [Physics of the ozone-sphere and ionosphere] Fizika ozonosfery i ionosfery. 1963. 662p. [With summary in English]
- AKADEMIIA NAUK SSSR. Moldavskii filial. Nauchnaia biblioteka. [Polarography; index of literature on polarographic study methods, 1950-1957] Polarografiia; ukazatel' literatury po polarograficheskimi metodami issledovaniia, 1950-1957 gg. Kishinev, 1960. 72 p.
- AKADEMIIA NAUK SSSR. Sektor seti spetsial'nykh bibliotek. [Bibliography on the use of radioactive and stable isotopes in biology for 1950-1958] Ukazatel' literatury po primeneniiu radioaktivnykh i stabil'nykh izotopov v biologii za 1950-1958 gg. Moskva, Izd-vo Akad. nauk SSSR, 1962. 408 p.
- AL'TSHULER, I. S. [Short course in descriptive geometry] Kratkii kurs nachertatel'noi geometrii. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 252 p.
- ANDREEVA, O. V., V. V. VASIL'EV, and N. P. TERE-SHCENKO. [Sensitiveness of qualitative reactions] Chuvstvitel'nost' kachestvennykh reaktsii. [Leningrad] Izd-vo Leningr. univ., 1962. 49 p.
- ANDRIANOV, K. A. [Polymers with inorganic main chains of molecules] Polimery s neorganicheskimi glavnymi tsepiami molekul. Moskva, Izd-vo Akad. nauk SSSR, 1962. 326 p.
- ANSEL'M, A. I. [Introduction to the theory of semiconductors] Vvedenie v teoriu poluprovodnikov. Moskva, Fizmatgiz, 1962. 418 p.
- BAKHVALOV, S. V., L. I. BABUSHKIN, and V. P. IVANITS-KAIA. [Analytic geometry; textbook for pedagogical institutes] Analiticheskaya geometriia; uchebnik dlia pedagogicheskikh institutov. Pod red. S. V. Bakhvalova. Izd. 2., perer. Moskva, Uchpedgiz, 1962. 367 p.
- BELINSKII, V. A., and V. A. POBIAKHKO. [Aerology] Aerologiya. Leningrad, Gidrometeoizdat, 1962. 463 p.
- BIRIUKOVA, Z. I. [Nervous system and sports] Normalna sistema i sport. Moskva, Fizkul'tura i sport, 1962. 39 p. (Biblioteka sportmena)
- BIRSHTEN, I. A. [Deep-sea isopods in the north-western part of the Pacific Ocean] Glubokovodnye ravnogie rakoobraznye (Crustacea, Isopoda) severo-zapadnoi chasti Tikhogo okeana. Moskva, Izd-vo Akad. nauk SSSR, 1963. 212 p. [With summary in English]
- BOCHKAREV, V. V., ed. [Techniques of measuring radioactive preparations, Tekhnika izmerenii radioaktivnykh preparatov; sbornik statei. Moskva, Gosatomizdat, 1962. 214 p.
- BOGDANOV, O. P. [Reptiles of Turkmenistan] Presnykhushchiesia Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmen'skoi SSR, 1962. 233 p.
- [BRIEF ASTRONOMICAL CALENDAR FOR THE YEAR 1963] Kratkii astronomicheskii kalendar' na 1963 god. Kiev, Izd-vo Akad. nauk USSR, 1962. 101 p.
- ČESKOSLOVENSKÁ AKADEMIE VĚD. Geofyzikální ústav. [Results of geomagnetic, telluric, and ionospheric measurements made at the observatories of Průhonice, Pátekov, and Panská ves during 1957] Rezultaty geomagnetnykh telluricheskikh i ionosfernykh izmerenii, provedennykh v observatoriakh Prugonice, Budakov i Panska ves v 1957 godu. [1. vyd.] Prague, Izd-vo Československoi akad. nauk, 1959. 306 p. (NN)
- CHERTKOV, I. A., and A. P. OVCHARENKO. [Basic phases in the development of computer technology; use of modern automatic digital computers] Osnovnye etapy razvitiia vychislitel'noi tekhniki, primenenie sovremennykh tsifrovnykh avtomaticheskikh mashin. Sumy, Sumskii gos. pedagog. in-l im. A. S. Makarenko, 1962. 29 p.
- [MICROFILM]
- CHMUTOV, K. V. [Chromatography] Khromatografiia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 98 p. (Akademiiia nauk SSSR. Nauchno-populiarnaya seriia)

13. SCIENCE

- [CRYSTALLIZATION AND PHASE TRANSITIONS] Kristallizatsiya i fazovye perekhody. Minsk, Izd-vo Akad. nauk BSSR, 1962. 444 p.
- DOGEL', V. A., IU. I. POLIANSKI, and E. M. KHEISIN. [General protozoology] Obshchaya protozoologiya. Moskva, Izd-vo Akad. nauk SSSR, 1962. 591 p.
- DROGAISEV, D. A. [Long-range hydrometeorological forecasting based on temperature fluctuations] Dolgosrochnye gidrometeorologicheskie prognozy na osnove ucheta kolebaniy temperatury. Leningrad, Gidrometizdat, 1959. 91 p.
- DRUZHININ, I. G., and others. [Reaction of saccharose with sodium, potassium, calcium, and magnesium chlorides] Vzaimodelstvie sakharozy s khloridami natriya, kal'ia, kal'tsia i magniya. Freze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 145 p.
- EESTI NSV TEADUSTE AKADEEMIA. Zoologia ja Botannika Instituut. [Flora of the Estonian S.S.R.] Eesti NSV flora. Koostanud K. Eichwald et al. 2., parandatud ja laiendatud trükk. Tallinn, Eesti Riiklik Kirjastus. [In Estonian with summaries in Russian] Vol. 2. 1962. 530 p.
- [ENERGIES OF CHEMICAL BOND BREAKING. Ionization potentials and electron affinity] Energii razryva khimicheskikh svyazey. Potentsialy ionizatsii i sredstvo k elektronu; spravochnik. [By] V. I. Vedenev i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 215 p.
- ERSHOV, F. I. [Problem of virus and cell correlation] Problema "virus - kletka." Pod nauchn. red. V. M. Zhdanova. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauka, tekhnika. VIII Seriya: Biologiya i meditsina, no. 5)
- FINKEL'STAYN, G. M. [Course in theoretical mechanics] Kurs teoreticheskoi mekhaniki; uchebnoe posobie dlia studentov pedagogicheskikh institutov. Moskva, Uchpedgiz, 1959. 442 p.
- GAVERLENKO, V. F. [The work of roots] Rabota kornia. Pod red. B. A. Rubina. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauka, tekhnika. VIII Seriya: Biologiya i meditsina, no. 3)
- GLAUBERMAN, A. I. [Quantum mechanics] Kvantovaya mekhanika. [L'viv] Vyd-vo L'viv's'koho univ., 1962. 505 p.
- GLUSHKOV, V. M. [Synthesis of digital computers] Sintez tsifrovyykh avtomatov. Moskva, Fizmatgiz, 1962. 476 p. (Matematicheskaya logika i osnovaniya matematiki)
- GORDON, V. O., and M. A. SEMENTSOV-OGIEVSKII. [Course in descriptive geometry] Kurs nachertatel'noi geometrii. Izd. 14., perer. i sokr. Pod red. V. O. Gordona. Moskva, Fizmatgiz, 1962. 359 p.
- GRINFEL'D, E. K. [Origin of anthropophilous habits in insects] Proiskhozhdeniye antropofilii u nasekomykh. [Leningrad] Izd-vo Leningr. univ., 1962. 185 p.
- GULIAKIN, I. V., and E. V. IUDINTSEVA. [Radioactive fission products in soils and plants] Radioaktivnye produkty doleniya v pochve i rasteniyakh. Moskva, Gosatomizdat, 1962. 275 p.
- HABERMAN, HARALD. [Leaf and flea beetles of Estonia; Chrysomelidae, Halielinae] Eesti lükipollased; chrysomelidae, halielinae. Tartu, Eesti Teaduste Akad. 1962. 217 p. [In Estonian, Russian, and German]
- HUSIEV, V. I., and others. [Atlas of insects of the Ukraine] Atlas komakh Ukrainy. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radlans'ka shkola," 1962. 222 p. plates.
- IAKOVLEV, V. G. [Lactation biochemistry] Biokhimiya laktatsii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 229 p.
- IAKUBATIS, E. A. [Principles of engineering cybernetics] Osnovy tekhnicheskoi kibernetiki. Riga, Izd-vo Akad. nauk Latvyskoi SSR, 1962. 280 p.
- INTERNATIONAL CONGRESS OF BIOCHEMISTRY. 5th, Moscow, 1961. [Molecular mechanism of enzyme action and inhibition; symposium IV] Molekulyarnyye osnovy deystviya i tormozheniya fermentov; simpozium IV. Moskva, Izd-vo Akad. nauk SSSR, 1962. 361 p. (Ist. Trudy)
- ISHLINSKI, A. I. [Mechanics of gyroscopic systems] Mekhanika giroskopicheskikh sistem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 482 p.
- IUGAI, G. A. [Problems of the integrity of the organism; a philosophical analysis] Problema tselostnosti organizma; filosofskii analiz. Moskva, Sotsekgiz, 1962. 247 p.
- KALCHAEV, K. and IU. L. TRUTTSE. [Observations of the internal radiation of the upper atmosphere performed at Ashkhabad] Nabludenie sobstvennogo izlucheniya verkhnei atmosfery v Ashkhabade. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 37 p.
- KARASEV, A. I. [Fundamentals of mathematical statistics] Osnovy matematicheskoi statistiki; uchebnoe posobie. [n.p.] Rosvuzizdat, 1962. 357 p.
- KEDROV, B. M. [Subject matter and interrelation of the natural sciences] Predmet i vzaimosvnyaz' estestvennykh nauk. Moskva, Izd-vo Akad. nauk SSSR, 1962. 469 p. (Dialekticheskii materializm i sovremennoe estestvoznaniye [no. 1])
- KIALIFMAN, I. A. [Password of crossed antennas] Parol' skreshchenykh anten. Moskva, Delgiz, 1962. 413 p.
- KIRPICHNIKOVA, E. S., and L. B. LEVINSON. [Laboratory manual of general histology] Praktikum po obshchei gistologii. Pod obshchei red. L. B. Levinsona. Izd. 2. Moskva, Vysshaya shkola, 1962. 235 p.
- KOBRAKOVA, V. A. [Physical properties of rocks; petrophysics] Fizicheskie svoystva gornyykh porod; petrofizika. Pod red. V. N. Dakhnova. Moskva, Gostoptekhizdat, 1962. 490 p.
- KONFERENTSIYA PO OBSSHCHIM I PRIKLADNYM VOPROSAM TEORETICHESKOI ASTRONOMII. Moscow, 1961. [Problems of the motion of artificial celestial bodies] Problemy dvizheniya iskusstvennykh nebesnykh tel; doklady. Moskva, Izd-vo Akad. nauk SSSR, 1963. 294 p.
- KOVIGIN, O. D. and G. D. LATYSHEV. [Double-focusing spectrometer] Spektrometr s dvoimoi fokusirovko. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 45 p.
- KUDRIYATSEV, A. A. [Setting up chemical equations] Sostavleniye khimicheskikh uravnenii. Izd. 3., perer. i dop. Moskva, Vysshaya shkola, 1962. 308 p.
- KUDRIYATSEV, V. A., and B. P. DEMIDOVICH. [Brief course in higher mathematics] Kratkiy kurs vysshei matematiki. Izd. 3., perer. i dop. Moskva, Fizmatgiz, 1962. 528 p.
- KUSAKOV, M. M., N. A. SHIMANKO, and M. V. SHISHKINA. [Ultraviolet absorption spectra of aromatic hydrocarbons] Ul'trafioletovyye spektry pogloscheniya aromatischeskikh uglevodorodov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 269 p.
- KUSTANOVICH, I. M. [Spectrum analysis] Spektral'nyi analiz. Moskva, Vysshaya shkola, 1962. 399 p.
- KUZIN, A. M. [Radiation biochemistry] Radiatsionnaya biokhimiya. Moskva, Izd-vo Akad. nauk SSSR, 1962. 333 p.
- KUZNETSOV, E. A. [Method of comparative birefringence dispersion; a new method for analyzing the chemical composition of crystalline substances] Metod sravnitel'noi dispersii duplekromenlia; novyi metod analiza khimicheskogo sostava kristallicheskikh veshchestv. Pod red. S. D. Chetverikova. Moskva, Gosgeoltekhizdat, 1962. 103 p.
- [LABELED BIOLOGICALLY ACTIVE SUBSTANCES] Machonye biologicheski aktivnye veshchestva; sbornik statei. Moskva, Gosatomizdat, 1962. 93 p.
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Mikrobiologijas instituts. [Micro-organisms and the environment] Mikroorganizmy i sreda. Riga, Izd-vo Akad. nauk Latvyskoi SSR, 1962. 142 p.
- LENINGRAD, INZHENERNO-STROITEL'NYI INSTITUT. Nauchnaya konferentsiya. [Physics; reports of the 20th Scientific Conference] Fizika; doklady XX Nauchnoi konferentsii. Leningrad, 1962. 77 p.
- LEVIKOV, S. I., and L. K. SELEZNEVA. [Spectral metal-vapor lamps. High-intensity hydrogen GV-3 Geissler tube] Spektral'nye parometallicheskie lampy. Vysokointensivnaya geisslerovskaya vodorodnaya trubka GV-3 [By] A. I. Bodretsova i S. I. Levikov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 37. No. P-58-80/3)
- LEVSHIN, V. L., and others. [Spectrum analysis methods] Metody spektral'nogo analiza [By] A. A. Babushkin i dr. Pod red. V. L. Levshina. Moskva, Izd-vo Mosk. univ., 1962. 508 p.
- LIUBOSHITS, M. I. [Geometrical characteristics of a cross section] Geometricheskie kharakteristiki srechniya. Minsk, Izd-vo M-ya vysshego, srednego spetsial'nogo i professional'nogo obrazovaniya BSSR, 1962. 132 p.
- MANOILENKO, K. V. [A. F. Batalin, the outstanding Russian botanist of the 19th century] A. F. Batalin, vydatushchisya ruskii botanik XIX veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 130 p. (Nauchnobiograficheskaya seriya)
- MANUILOV, L. A., and G. I. KLIUKOVSKII. [Physical chemistry and silicon chemistry] Fizicheskaya khimiya i khimiya kremnia. Izd. 3. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 310 p.
- MARKOV, A. N. [Brief course of the theory of elasticity] Kratkiy kurs teorii uprugosti. Gor'ki, Gos. univ., 1960. 207 p.
- MIASNIKOV, L. L. [Atomic clocks] Atomnye chasy. Leningrad, Ob-vo po rasprostraneniyu polit. i nauchn. znaniy RSFSR, 1962. 53 p.
- MIROSHNIKOV, I. F. [Reading device using transistors and photodiodes] Chitalushcheye ustroystvo na fotodiodykh i kristallicheskikh triodakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 45 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40. No. P-58-20/1)
- MIRZOIAN, E. N. [Individual development and evolution; an essay on the history of the correlation between ontogeny and phylogeny] Individual'noe razvitiye i evolyutsiya; ocherk istorii problemy sootnosheniya ontogeneza i filogeneza. Moskva, Izd-vo Akad. nauk SSSR, 1963. 201 p.
- MOSCOW, INSTITUT NARODNOGO KHOZJAISTVA. [New presentation of the theory of conic sections] Teoriya konicheskikh srechniy v novom izlozhenii; uchebnoe posobie. Moskva, 1962. 34 p.
- OL'SHANOVA, K. M., V. D. KOPYLOVA, and N. M. MOROZOVA. [Precipitation chromatography] Osa-dochnaya kromatografiya. Moskva, Izd-vo Akad. nauk SSSR, 1963. 103 p.
- OREKHOVICH, V. N., ed. [Chemical foundations of the processes of vital activities] Khimicheskie osnovy protsessov zhiznedeiatel'nosti. Moskva, Medgiz, 1962. 330 p.
- PAROVSHCHIKOV, V. I. A. [In northern regions; notes of a naturalist] Na severnykh prostorakh; zapiski naturalista. [Arkhangelsk] Arkhangel'skoe knizhnoe izd-vo, 1962. 69 p.
- PEKHTERIEVA, S. I. [Manual on laboratory exercises in biological chemistry for students of medical schools] Rukovodstvo k prakticheskim zaniatiyam po biologicheskoi khimii dlia studentov meditsinskikh institutov. Pod red. L. M. Brodsk. Moskva, I-I Mosk. med. in-t im. I. M. Sechenova, 1962. 216 p.
- POGOSIAN, KH. P. [Air covering the earth] Vozdushnaya obolochka Zemli. Leningrad, Gidrometizdat, 1962. 203 p.
- POPOV, V. I., and D. P. OSANOV. [Diffusion chamber for measuring the α -contamination of water] Diffuzionnaya kamera dlia izmereniya α -zagrязnennosti vody. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41. No. P-58-80/4)
- PUZIKOV, P. D. [Science is an immediate productive force] Nauka - neposredstvennaya proizvoditel'naya sila. Minsk, 1962. 20 p. (Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy Belorusskoi SSR, no. 28)
- RODIONOVA, A. S. [Botany] Botanika; uchebnoe posobie dlia studentov lesokhoziaistvennogo fakul'teta. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1962. 201 p.
- RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po ispol'zovaniyu atomnoi energii. [Isotopes, radiation sources, and radioactive materials; catalog] Izotopy istochniki izlucheniya i radioaktivnye materialy; katalog. Izd. 2., dop. Moskva, Gosatomizdat, 1962. 218 p.

A 13-14

- SABININ, D. A. [Physiology of plant development] Fiziolgia razvitiia rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 194 p.
- SAVOSIN, S. I., ed. [Portable neutron generators in nuclear geophysics] Portativnye generatory neutronov v izdernoii geofizike; sbornik statei (po sovetским i zarubezhnym rabotam). Moskva, Gosatomizdat, 1962. 203 p.
- SHILLER, N. E., and I. G. SHISHINA. [Barrier of incompatibility] Bar'ier nesovmestnosti. Pod nauchn. red. R. V. Petrova. Moskva, Izd-vo "Znanie," 1963. 39 p. (Novoe v zhizni, nauke, tekhnika. VII Seriya: Biologiya i meditsina, no. 4)
- SHILOV, I. A. [Laboratory manual on the ecology of terrestrial vertebrates] Praktikum po ekologii nazemnykh pozvonochnykh zhivotnykh. Moskva, Gos. izd-vo "Vysshaya shkola," 1961. 146 p.
- SHKLOVSKII, I. S. [Universe, life, reason] Vselennaya, zhizn', razum. Moskva, Izd-vo Akad. nauk SSSR, 1963. 39 p. (Akademiya nauk SSSR. Nauchno-popularnaya seriya)
- SHVARTSMAN, S. R. [Materials on the history of mycology of Kazakhstan (supplement to the 2d volume of "Flora of sporeforming plants of Kazakhstan. Smut fungi", 1960)] Materialy k istorii mikofity Kazakhstana (dopolnenie k II tomu "Flory sporovykh rastenii Kazakhstana. Golomevye griby." S. R. Shvartsman, 1960). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 162 p.
- SIMONENKO, A. N. [Treatment of meteor photographs] Obrabotka fotografii meteorov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 38 p.
- [680 MEV. ELECTRON ACCELERATOR] Uskoritel' elektronov na 680 Mev; sbornik statei. Moskva, Gosatomizdat, 1962. 86 p.
- SMIRNOV, A. D., and V. V. BULDAKOV. [Intrusive complexes in the Eastern Sayan Mountains] Intruzivnye kompleksey Vostochnogo Sayana. Moskva, Izd-vo Akad. nauk SSSR, 1962. 120 p.
- SOVESHCHANIYE PO SPEKTROSKOPII. 13th. Leningrad, 1960. [Physical problems in spectroscopy] Fizicheskie problemy spektroskopii; materialy. Moskva, Izd-vo Akad. nauk SSSR. Vol. 1. 1962. 474 p.
- SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIA, 1955- [Soviet Antarctic Expedition, 1955-] Trudy. Leningrad, Izd-vo "Morskoi transport." Vol. 19. [Third sea expedition on the diesel-electric ship "Ob", 1957-1958; general description and scientific results] Tret'ia morskai ekspeditsiia na d/e "Ob", 1957-1958 gg.; obshchee opisaniye i nauchnye rezul'taty. Pod red. V. G. Korta. 1961. 208 p. [MICROFILM]
- SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIA, 1955- [Soviet Antarctic Expedition, 1955-] Trudy. Leningrad, Izd-vo "Morskoi transport." Vol. 20. [Fourth and fifth voyages of the diesel-electric ship "Ob", 1958-1960; scientific results and observation data] Chetvertyi i pinyti reisy d/e "Ob", 1958-1960 gg.; nauchnye rezul'taty i materialy nabludenii. Pod red. V. Kh. Bulinskogo i I. V. Maksimova. 1962. 311 p. [MICROFILM]
- SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIA, 1955- [Soviet Antarctic Expedition, 1955-] Trudy. Leningrad, Izd-vo "Morskoi transport." Vol. 24. [Second and Third Continental Expeditions 1957-1958; observation data] Vtoraya i tret'ia kontinental'nye ekspeditsii, 1957-1958 gg.; materialy nabludenii. Pod red. S. M. Mansurova. 1962. 675 p. [MICROFILM]
- SPURIS, Z., and V. SMITS. [Bird reserve] Puhu rezervaia. Riga, Latvijas Valsts izdevnieciba, 1962. 157 p. illus. [Parallel texts in Latvian and Russian]
- SRANKA, R. [Cybernetics] Kibernetika. Riga, Latvijas PSR Zinatnu akad. izdevnieciba, 1962. 59 p. [In Latvian]
- STARODUBTSEV, S. V., and A. M. ROMANOV. [Passage of charged particles through matter] Prokhozhdenie zaryazhennykh chastits cherez veshchestvo. Tashkent, Izd-vo Akad. nauk UzSSR, 1962. 220 p.
- SUSLENNIKOVA, V. M., and E. K. KISELEVA. [Handbook on the preparation of titrated solutions] Rukovodstvo po prigotovleniiu titrovannykh rastvorov. Leningrad, Goskhimizdat, 1962. 123 p.
- TIMOFEEV, D. P. [Kinetics of adsorption] Kinetika adsorbttsii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 251 p.
- TOMILIN, A. G. [System of the animal world (characteristics of basic groups)] Sistema zhivotnogo mira (kharakteristika osnovnykh grupp); uchebnoe posobie dlia studentov zootekhnikheskogo i agronomicheskogo fakul'tetov. Moskva, Vses. sel'khoz. in-t zaochnogo obrazovaniia, 1962. 34 p.
- TVERSKOI, P. N. [Course in meteorology; the physics of the atmosphere] Kurs meteorologii; fizika atmosfery. Pod red. E. S. Seleznevoi. Leningrad, Gidrometeoizdat, 1962. 669 p.
- [ULTRAVIOLET SOLAR RADIATION AND THE INTERPLANETARY MEDIUM. Translated from the English. Preface by G. M. Nikol'skii] Ul'trafiol'tovoe izlucheniye solntsa i mezplanetnaya sreda. Moskva, Izd-vo inostr. lit-ry, 1962. 431 p.
- URBAKH, V. I. U. [Mathematical statistics for biologists and medical men] Matematicheskaya statistika dlia biologov i medikov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 322 p.
- VERESHCHETIN, V. S., and E. D. LEBEDKINA. [International Council of Scientific Unions] Mezhdunarodnyi sovet nauchnykh soyuzov (MSNU). S predisl. V. A. Engel'garda. Moskva, Izd-vo in-ta mezhdunarodnykh otnoshenii, 1962. 125 p. (Mezhdunarodnye organizatsii)
- VINOGRADOV, A. F., and L. I. CHIGAREV. [Scintillation counter with type-B counting system] Sislitillatsionnye schetchiki so schetnoi ustanovkoi tipa B. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41. No. P-58-23/1)
- VITINSKII, I. U. I. [Forecasting solar activity] Prognozy solnechnoi aktivnosti. Moskva, Izd-vo Akad. nauk SSSR, 1963. 150 p.
- VOEIKOV, A. I. [Influence of man on nature] Vozdeistvie cheloveka na prirodu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 259 p.
- VSESOYUZNAIA KONFERENTSIYA PO IADERNYM REAKTSIAM PRI MALYKH I SREDNIM ENERGIYAKH, 2d. Moscow, 1960. [Transactions of the Second All-Union Conference on Nuclear Reactions at Low and Medium Energies] Trudy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 658 p.
- ZAPLATIN, M. A. [With a motion-picture camera instead of a gun] S kinokamerol' vmesto ruzh'ia. Moskva, Iskusstvo, 1962. 47 p. (Biblioteka kinolubitel'ia)
- ZHINKIN, L. N. [Regeneration of cells in the organism] Obnovlenie kletok v organizme. Leningrad, Ob-vo po raspr. polit. i nauchn. znaniu RSFSR, 1962. 33 p.
- ZOTINA, R. S., and others. [Collection of problems in mathematical statistics and probability theory] Sbornik zadach po matematicheskoi statistike i teorii veroiatnostei. Moskva, Gosstatizdat, 1962. 183 p.

14. MEDICINE

- ALEKSEEV, U. A. [Extrapleural pneumonolysis in tuberculosis] Ekstrapleural'nyi pnevmoliz pri tuberkuleze. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 80 p. (DNLM)
- ARKHANGEL'SKII, V. N. [Diseases of the eye] Glaznye bolezni; posobie dlia prakticheskogo vracha, 2. izd., dop. i perer. Moskva, Medgiz, 1963. 131 p. (Biblioteka prakticheskogo vracha) (DNLM)
- BAKU, AZERBAIDZHANSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT, Farmatsevticheskii fakul'tet. [Materials from a conference on academic methods of the Department of Pharmacology of the Azerbaijan State Medical Institute] Materialy uchebno-metodicheskoi konferentsii. Baku, 1962. 49 p. (DNLM)
- BARANOVSKII, L. V. [Eat the right kind of food] Pitatel's pravil'no. Moskva, Gos. izd-vo med. lit-ry, 1962. 102 p. (DNAL)
- BAROLAN, O. V., ed. [Colicenteritis] Kolicenterity. Moskva, Medgiz, 1962. 97 p. (DNLM)
- BELORUSSKII GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NEVROLOGII, NEIRO-KHIRURGII I FIZIOTERAPII. [Problems of vascular neurosurgery] Problemy sosudistoi neirokhirurgii. Pod red. D. A. Markova i E. I. Zlotnika. Minsk, Izd-vo Akad. nauk BSSR, 1962. 277 p. (DNLM)
- BENEDIKTOV, I. I. [Blood circulation and temperature of the uterus in some physiological and pathological states of the organism] O krovoobrashchenii i temperature v matke pri nekotorykh fiziologicheskikh i patologicheskikh sostoianiakh organizma. [Tomsk] Izd-vo Tomskogo univ., 1960. 128 p. (DNLM)
- BOIANOV, B., and T. KHRUSTOZOV. [Microprosthesis. Translated from the Bulgarian] Mikroprotezirovaniye. Pod red. V. I. Kurilandskogo. Sofia, Meditsina i fizkul'tura, 1962. 260 p. (DNLM)
- CHERNIAVSKII, G. I. A. [What should be known about glaucoma] Chto nado znat' o glaukome. Moskva, Medgiz, 1963. 25 p. (DNLM)
- CHERNOGOROV, I. V. [Disorders of the cardiac rhythm] Narusheniia ritma serdtsa. Moskva, Medgiz, 1962. 370 p. (DNLM)
- DUKHANOV, A. I. A. [Pediatric urology] Urologiya detskogo vozrasta. Leningrad, Medgiz, 1961. 254 p. (DNLM)
- DVUZHIL'NAIA, E. D. [Electroencephalography in clinical surgery] Elektroentsefalografiia v khirurgicheskoi klinike. Kiev [Gosmedizdat USSR] 1962. 148 p. (DNLM)
- EROFEEV, I. A. [Blood transfusion in a polyclinic; practices of the Leningrad City Blood Transfusion Station] Perelivanie krovi v usloviakh polikliniki; opyt Leningradskoi gorodskoi stantsii perelivaniia krovi. Leningrad, Medgiz, 1962. 50 p. (Biblioteka prakticheskogo vracha) (DNLM)
- FIGURINA, M. M. [Typhus fever] Synpol tif. Leningrad, Medgiz, 1962. 10 p. (Nauchno-popularnaya meditsinskaya literatura) (DNLM)
- FRIDLAND, I. G. [Medical examinations of workers employed under unhealthy working conditions] Meditsinskie osmotry rabotaiushchikh pri vrednykh usloviakh truda. Leningrad, Medgiz, 1963. 269 p. (DNLM)
- GANELINA, I. E. [Interceptive effects from the gastrointestinal tract on the heart] Interseptivnye vliianiia s zholudochno-kishechnogo trakta na serdtsa. Moskva, Izd-vo Akad. nauk SSSR, 1963. 177 p. (DNLM)
- GEOGRAFICHESKOE OBSHCHESTVO SSSR. [Medical geography] Meditsinskaya geografiia. Moskva, Izd-vo Akad. nauk SSSR, 1961. 197 p. (DSC)
- GORIZONTOV, P. D., ed. [Pathological physiology of acute radiation sickness; experimental data on the biological effect of external ionizing radiations] Patologicheskaya fiziologiya ostroi luchevoi bolezni; eksperimental'nye materialy po biologicheskomu deistviu vneslennykh ioniziruiushchikh izluchenii. Moskva, Medgiz, 1958. 374 p. (DNLM)
- GULE, VILEM. [Hematological atlas] Gematologicheskii atlas. Bratislava, Izd-vo Slovatskoi Akad. nauk, 1961. 185 p. (DNLM)
- IL'IN, I. I. [Nongonococcal venereal urethritis in men] Nagonokokkovye venericheskie ureitidy u muzhchin. [Leningrad] Medgiz, 1962. 215 p. (Biblioteka prakticheskogo vracha) (DNLM)
- IUNUSOVA, KH. A. [How to protect children from communicable diseases] Kak uberech' detei ot zarazykh zabolevani. Tashkent, Medgiz UzSSR, 1961. 63 p. (Nauchno-popularnaya literatura) (DNLM)
- KADYROVA, T. K. [Leucosis and the nervous system; clinical and morphological studies] Leukozy i nervnaya sistema; kliniko-morfologicheskie issledovaniia. Baku, Azerbaidzhanskoe gos. izd-vo, 1961. 229 p. tables. (DNLM)

KIRADIEV, KH. G. [Mineral waters and health resorts of Tajikistan] Mineral'nye vody i zdravnytsy Tadzhikistana. Dushanbe, Tadzhikgosizdat, 1962. 137 p. (DNLM)

KOGAN, D. A. [Polymyositis] Poliomielit. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1956. 74 p. (IU)

KOSINSKAIA, N. S. [Degenerative and dystrophic lesions of the osteoarticular apparatus; clinical X-ray diagnosis and expertise on work capacity] Degenerativno-distroficheskie porazheniia kostnosustavnogo apparata; klinicheskaya rentgenologicheskaya i ekspertiza trudosposobnosti. [Leningrad] Medgiz, 1961. 104 p.

KOZYREV, V. A. [Craniosostenosis; clinical aspects and surgical treatment] Kraniosostenoz; klinika i khirurgicheskoe lechenie. Leningrad, Medgiz, 1962. 174 p. (DNLM)

KUKOLEVSKII, G. M. [Sportsman's hygiene] Gigenicheskiy rezhim sportmena. Moskva, Fizkul'tura i sport, 1963. 77 p. (Biblioteka sportmena) (DNLM)

KURBANGALIEV, S. M. [Radical surgical treatment of trigeminal neuralgia] Radikal'noe khirurgicheskoe lechenie novral'gii troichnogo nerva. [Leningrad] Medgiz, 1961. 255 p. (DNLM)

KURSHAKOV, N. A., ed. [A case of acute radiation sickness in man] Sluchai ostroi luchevoi bolezni u cheloveka. Moskva, Medgiz, 1962. 149 p. (DNLM)

LEONENKO, P. M. [Clinical aspects and treatment of eczema; clinical and physiological study] Klinika i lechenie ekzemy; kliniko-fiziologicheskoe issledovanie. Minsk, Gosizdat BSSR, 1962. 227 p. (DNLM)

LIBERMAN, T. I. U. [Angina pectoris] Grudnaya zhaba. Leningrad, Medgiz, 1962. 31 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

LIBOV, A. L. [Endemic hepatitis; Botkin's disease] Endemicheskiy gepatit; bolezni' Botkina. Leningrad [Medgiz] 1962. 15 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

LUKOMSKII, I. I. [The "secret" of longevity] "Sekret" dolgoletia. Moskva, Izd-vo "Fizkul'tura i sport," 1961. 38 p. (Biblioteka "Fizkul'tura i zdorov'e") (DNLM)

MESHCHENKO, V. [Mineral springs of Transcarpathia] Mineral'nye istochniki Zakarpattia. Pod red. M. S. Turkel'taub. Uzhgorod, Zakarpatskoe obl. izd-vo, 1956. 59 p.

MIKHAILOVA, N. D. [Manual for coprological studies] Posobie po koprologicheskim issledovaniyam. Leningrad, Medgiz, 1962. 145 p. (Biblioteka prakticheskogo vracha) (DNLM)

MUKHARINSKAIA, V. S. [An unusual cerebrospinal fluid syndrome in some lesions of the nervous system] O svoebraznom likvornom sindrome pri nekotorykh porazheniyakh nervnoi sistemy. Thilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1960. 61 p. (DNLM)

MUKHIN, M. V. [Treatment of head, face, and neck burns and their aftereffects] Lechenie ozhogov golovy, litsa, shchi i ikh posledstviy. [Leningrad] Medgiz, 1961. 162 p. (Biblioteka prakticheskogo vracha) (DNLM)

NOTKIN, S. E. [Prevention of anemia in children] Preduprezhdeniye malokrovii u detei. Moskva, Medgiz, 1962. 21 p. (DNLM)

PAVLENKO, S. M. [Problems of reactivity in the light of the neurotrophic theory; a lecture] Problema reaktivnosti v svete nervno-troficheskoi teorii; lektsiya. Moskva, 1-i mosk. med. in-t im. I. M. Sechenova, 1961. 66 p. (DNLM MICROFILM)

PERCHIKOVA, G. E. [What is atherosclerosis and hypertension] Chto takoe ateroskleroz i gipertoniicheskaya bolezni'. Moskva, Izd-vo "Znanie," 1963. 46 p. (Narodnyi universitet kul'tury; Fakul'tet zdorov'ya, no. 2)

PEROTSKAYA, A. S., M. K. NEDOGIBCHENKO, and T. D. CHERNAENKO, comps. [Hygiene of populated areas; collection of official data] Gigena naselennykh mest; sbornik ofitsial'nykh materialov. Moskva, Medgiz, 1962. 534 p. (DNLM)

[PIROGOV LECTURES FOR 1961] Pirogovskie chteniia 1961 goda. Leningrad, Medgiz, 1962. 31 p.

PISKUN, A. I. [Chronic tonsillitis] Khronicheskii tonsillit. Moskva, Medgiz, 1962. 62 p. (Biblioteka srednego medrabotnika) (DNLM)

PLATONOV, K. I. [Word as a physiological and therapeutic factor; problems of the theory and practice of psychotherapy based on I. P. Pavlov's teaching] Slovo kak fiziologicheskii i lechenyi faktor; voprosy teorii i praktiki psikhoterapii na osnove ucheniya I. P. Pavlova. Izd. 3, s nekotorymi dop. i izmeneniyami. Moskva, Medgiz, 1962. 531 p. (DNLM)

RACHEV, L., I. TODOROV, and ST. STATEVA. [Metabolism in children. Translated from the Bulgarian] Obmen veshchestv v detskom vozraste. Sofia, Gos. izd-vo med. i fizkultura, 1962. 423 p. [With summary in English] (DNLM)

[MICROFILM]

SADOF'EV, A. I. [X-ray diagnosis of the functional state of external respiration under clinical conditions and in the expertise of work capacity] Rentgenodiagnostika sostoiانيا funktsii meshnogo dykhania v klinike i pri ekspertize trudosposobnosti; metodicheskoe posobie dlia vrachei VTEK i lecheniynykh uchrezhdenii. Leningrad, Leningr. nauchno-issl. in-t ekspertizy trudosposobnosti i organizatsii truda invalidov, 1960. 77 p. (DNLM)

SHAMATOV, N. M. [Clubfoot is curable] Kosolapost' izlechima. Tashkent, Medgiz, UzSSR, 1961. 19 p. (Nauchno-popul'naya literatura) (DNLM)

SIMPOZIUM PO PROBLEME PNEVMOKONIOZOV, Moscow, 1957. [Clinical aspects of pneumoconiosis] Trudy Kliniki pnevmokoniozov. Moskva, In-t gigeny truda i profzabolevani AMN SSSR, 1960. 181 p. (DNLM)

SMOL'NIKOV, V. P. [Problems of emergency anesthesiology] Voprosy ekstreimnoi anesteziologii. Moskva, Medgiz, 1962. 63 p. (Biblioteka prakticheskogo vracha) (DNLM)

SVRAKOV, D., and EL. ATANASOVA. [Parodontopathy; etiology, clinical aspects, and treatment] Parodontopati; etiologiya, klinika i lechenie. Pod red. A. I. Marchenka. Sofia, Gos. izd-vo "Meditsina i fizkul'tura," 1962. 212 p. (DNLM)

SYZGANOV, A. N. [Control of agricultural traumatism; methodological instructions for rural medical workers] Bor'ba s sel'skokhoziaistvennym travmatizmom; metodicheskie ukazaniia sel'skim meditsinskim rabotnikam. Izd. 2. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 32 p. (DNAL)

VORONOV, A. S. [Hospital therapy] Gospiat'naya terapiya. Kiev, Gosmedizdat USSR, 1962. 522 p. (DNLM)

VSESOIUZNAIA NAUCHNAIA KONFERENTSIYA PO GIIGIENE I TOKSIKOLOGII INSEKTOFUNGITSIDOV, 2d, 1962. [Hygiene and toxicology of new pesticides and clinical aspects of poisoning; reports of the Second All-Union Scientific Conference of the Committee for the Study and Regulation of Poisonous Chemicals of the Main State Sanitary Inspection of the U. S. S. R.] Gigena i toksikologiya novykh pestitsidov i klinika otravlenii; doklady 2-i Vsesoiuznoi nauchnoi konferentsii Komiteta po izucheniiu i reglamentatsii iadokhimikatov Glavnoi gosudarstvennoi sanitarnoi inspeksii SSSR. Pod obshchei red. L. I. Medvedia. Moskva, Medgiz, 1962. 476 p.

ZELENETSKAIA, S. S., and T. P. CHURAKOVA. [Rheumatic fever in children and its control] Rovmatizm u detei i bor'ba s nim. Moskva, Medgiz, 1962. 13 p. (Sovety roditeliam) (DNLM)

15. AGRICULTURE

[AGRONOMIST] Agronom. [By] M. Shipilov i dr. [Moskva] Mosk. rabochii, 1962. 57 p.

AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku. Terminologicheskii komitet pri Prezidiume. [Dictionary of terms in soil science and agricultural chemistry] Slovar terminov po pochvovedeniiu i agrokhemii. Baku, Izd-vo Akad. nauk Azerbaizhanskoi SSR, 1962. 76 p. [In Russian and Azerbaijani]

AKADEMIYA NAUK SSSR. Institut biologicheskoi fiziki. Sektsiya po ul'trafioletovomu izlucheniui. [Recommendations for ultraviolet irradiation of farm animals and fowl] Rekomendatsii po ul'trafioletovomu obluicheniiu sel'skokhoziaistvennykh zhivotnykh i ptits. Moskva, Izd-vo Akad. nauk SSSR, 1962. 46 p. (DNAL)

AKADEMIYA NAUK SSSR. Pochvennyi institut imeni V. V. Dokuchaeva. [Soils of Eastern Siberia] O pochvakh Vostochnoi Sibiri. Moskva, Izd-vo Akad. nauk SSSR, 1963. 194 p.

AKADEMIYA NAUK TURKMENSKOI SSR, Ashkhabad. Botanicheskii sad. [Decorative plants for landscape gardening in Turkmenistan] Dekorativnye rasteniia dlia ozeleneniia Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmeniskoi SSR, 1962. 246 p.

ALEKSANDROV, A. S. [Growing cottonseed] Semenovodstvo khlopkhatnika. Moskva, Sel'khozizdat, 1962. 255 p. (DNAL)

ANDREEV, N. N. [Manual on fishing implements, nets and equipment] Spravochnik po orudiyam lova, setesnaatnym materialam i promyslovomu snariazheniiu. Moskva, Pishchepromizdat, 1962. 503 p.

BADIN, S. I. [For high fruit yields; from work practices of the fruit growers on the Tiraspol' Frunze State Technical Training Farm] Za vysokii urozhai fruktov; iz opyta raboty plodovodov Tiraspol'skogo sovkhosa-tekhnikuma imeni M. V. Frunze. Kishinev, Partinnoe izd-vo TsK KP Moldavii, 1962. 36 p. (Pust' larche goriat malaki) (DNAL)

BADIN, S. I. [Practices in growing strawberries on the Frunze State Farm] Ekspierienta kultivirii kopsbunilor yn sovkhovul "Frunze." Za vysokii urozhai fruktov; iz opyta raboty plodovodov Tiraspol'skogo sovkhosa-tekhnikuma imeni M. V. Frunze. Kishinev, Partinnoe izd-vo TsK KP Moldavii, 1962. 36 p. (Pust' larche goriat malaki) (DNAL)

BARMINTSEV, I. U. N. [Evolution of horse breeds in Kazakhstan; results of a zootechnical study of breed formation] Evoliutsiia konsskikh porod v Kazakhistane; opyt zootehnicheskogo issledovaniia problemy porodoobrazovaniia. Kazgosizdat, 1956. 281 p. (DNAL)

BASHMAKOV, D. A. [Sugar beets for the fields of Udmurtia] Sakharnyie svekli - na polia Udmurtii. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1961. 17 p. (DNAL)

BETEREV, M. M., and M. M. BOL'SHOV. [How to protect oneself from accidents] Kak predosterech' sebia ot neschastnogo sluchaiia. Moskva, Sel'khozizdat, 1963. 51 p. (DNAL)

BLAZHEVSKII, E. V. [Corn] O kukuruze. Kishinev, Partinnoe izd-vo TsK KP Moldavii, 1962. 67 p. (Pust' larche goriat malaki) (DNAL)

BODROVA, E. M., and Z. D. OZOLINA. [Organic fertilizers and their use] Organicheskie udobreniia i ikh ispol'zovanie. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1961. 193 p. (DNAL)

BONDAR', E. M. [Possibility of cultivating the most frost-resistant European grape varieties in Moldavia without covering them in winter] O vozmozhnosti kultury nabolee morozoustoiichivyykh sortov evropeiskogo vinograda v Moldavii bez ukrytiia na zimn. Kishinev, Izd-vo "Shtintaa," 1961. 73 p.

BORODIN, A. M., and A. R. RODIN. [Manual for workers in forest plantations] Spravochnik rabochego po lesnym kul'turam. Moskva, Goslesbumizdat, 1962. 131 p. (DNAL)

BRYZGALOV, V. A., and K. N. VERESOV. [Vegetable gardening] Ovoshchevodstvo. Leningrad, Sel'khozizdat, 1962. 343 p. (Uchebnyi i uchebnyy posobie dlia sel'skokhoziaistvennykh tekhnikumov) (DNAL)

BUKHAN'KO, N. N. [The "Strana Sovetov" Collective Farm along new paths] Kolkhoz "Strana Sovetov" na novykh putiakh. Moskva, Sel'khozizdat, 1962. 86 p. (DNAL)

BURSOVA, A. I. [Field soil research] Issledovanie pochv v prirode; posobie dlia studentov lesokhoziaistvennogo fakul'teta. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1961. 142 p.

[CALENDAR FOR FARMERS, 1963] Sel'skii kalendar' 1963. Moskva, Sel'khozizdat, 1963. 190 p. (DNAL)

- CHEKANOVA, N. I., and P. I. KOSTROV. [Technology of cultivating forage beans] Tekhnologiya vozdel'nyan'ia kormovykh bobov. Moskva, Proftekhizdat, 1962. 41 p.
- CHEREVAN, S. I. [Hog woman Tabakova's school] Shkola svinniki Tabakovo [Leningrad] Lenizdat, 1962. 26 p. (Vse novoe, peredovoe - na polia i fermu) (DNAL)
- DEMENT'EVA, M. I. [Diseases of fruit crops] Bolezni plodovykh kul'tur. Moskva, Sel'khozizdat, 1962. 239 p. (DNAL)
- [DISEASES OF BIRDS] Bolezni ptits. Moskva, Sel'khozizdat, 1962. 543 p. (DNAL)
- EDEL'STEIN, V. I. [Vegetable gardening] Ovoshevodstvo. 3., perer. izd. Moskva, Sel'khozizdat, 1962. 439 p. (DNAL)
- ETTINGEN, G. R. [Selected works] Izbrannye trudy. Moskva, Sel'khozizdat, 1962. 499 p. (DNAL)
- ELAGIN, I. N., ed. [Biology and cultivation of buckwheat] Biologiya i vozdel'nyanie grechikhi. Moskva, Sel'khozizdat, 1962. 303 p. (DNAL)
- EREMENKO, V. E. [Irrigation of cotton fields planted in checkrows] Polivy khlopchatnika pri kvadratno-gnezdovykh posevakh. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1956. 34 p. (Biblioteka kol'khozniika) (DNAL)
- FEDOTOV, V. S. [Terracing slopes for orchards and vineyards in Moldavia] Terrastroyanie sklonov pod sady i vinogradniki v Moldavii. Kishinev, Izd-vo "Shtiintsa," 1961. 174 p. (DNAL)
- GITALOV, A. V. [Grow large corn crops without using manual labor] Vyrashchivat vysokie urozhai kukuruzy bez zatrai ruchenogo truda. Kishinev, Partinoe izd-vo Tek KP Moldavii, 1962. 13 p. (Opyt peredovikov - vsego) (DNAL)
- GITALOV, A. V., N. M. VESNA, and V. R. GUBKO. [Over-all mechanization of growing and harvesting farm crops] Kompleksnaya mekhanizatsiya vozdel'nyan'ia i uborki sel'skokhoziaistvennykh kul'tur. Moskva, Proftekhizdat, 1962. 271 p. (DNAL)
- GUREVICH, S. M. [Effect of mineral fertilizers on deep Chernozems] Delstvie mineral'nykh udobrenii na meshchinom chernozeme. Moskva, Goskhimizdat, 1962. 264 p. (DNAL)
- [HANDBOOK FOR THE POTATO GROWER] Spravochnik kartofelovoda. Moskva, Sel'khozizdat, 1962. 335 p. (DNAL)
- ILESHIN, B. I., and N. M. RASTREPIN. [Source of a mighty torrent; an account of the people and work of the Komintern Collective Farm] Istoki moguchego razliva; rasskaz o ludiakh i delakh ordena Lenina kol'khozna imeni Komintern. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 111 p. (DNAL)
- IVASUTA, M. I. [Outline history of collective farming in the western provinces of the Ukraine] Narysy istorii kol'hoznogo budivnytstva v zakhidnykh obla - stakh Ukrainy'koi RSR. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 316 p. (CS-H)
- KABLUCHKO, G. A. [Fruit culture in the Dniester Valley of Moldavia] Plodovodstvo Pridnestrov'ia Moldavii. Kishinev, Gos. izd-vo Moldavii, 1955. 221 p. (NIC)
- KALININ, M. S., and M. I. IL'IN. [Corn varieties and hybrids] Sorta i gibridy kukuruzy. 3. izd., ispr. i dop. [Leningrad] Sel'khozizdat, 1962. 156 p. (DNAL)
- KISKIN, P. KH. [Key for determining grape rootstock] Kluch dlia opredeleniia podvoev vinograda. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1961. 91 p. (DNAL)
- KOORDINATSIONNYE SOVESHCHANIYA PROBLEMNOI KOMISSII UKRAINSKOI AKADEMII SEL'SKOKHOZIAISTVENNYKH NAUK, 1961. [Using trace elements, polymers, and radioactive isotopes in agriculture] Primenenie mikroelementov, polimerov i radioaktivnykh izotopov v sel'skom khoziaistve; trudy soveshchaniia. [Otv. red. P. A. Vasiliuk]. Kiev, Gosset'khozizdat USSR, No. 2, 1962. 241 p.
- KORNILOV, V. G. [Virgin soil of Galich] Galichskaia nov'. Moskva, Sovetskaiia Rossiia, 1962. 71 p.
- KUZ'MICHEV, M. G. [Companion crops for cucumbers] Uplodnennye posovy ogurtsov. [Moskva Mosk. rabochii, 1962. 27 p. (Kh. opyt dostupen vsem) (DNAL)]
- KUZNIK, I. A. [Measures for land improvement through afforestation, spring runoff, and soil erosion] Agrolesomellorativnye meropriiatiia, vesenii stok i eroziia pochv. Leningrad, Gidrometeoizdat, 1962. 220 p.
- LENINGRAD. GLAVNAIA GEOFIZICHESKAIA OBSERVATORIIA. [Microclimate of hilly relief and its effect on farm crops] Mikroklimat kholmistogo rel'efa i ego vliianie na sel'skokhoziaistvennye kul'tury. Pod red. I. A. Gol'isberg. Leningrad, Gidrometeoizdat, 1962. 249 p. (DNAL)
- LOSHCHININ, B. V. [Currants] Smorodina. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1961. 87 p. (DNAL)
- MAGER, M. I., and M. A. PELIAKH. [Viticulture in Bulgaria] Vinogradarstvo Bolgarii. 2., perer. i dop. izd. Pod red. I. G. Volontira. Kishinev, Izd-vo sel'khoz. lit-ry M-va sel'. khoz. Moldavskoi SSR, 1962. 137 p. (DNAL)
- MAKSIMOV, P. P. [Beekeeping] Pchelovodstvo; posobie dlia uchashchikhsia sel'skoi srednei shkoly. Moskva, Uchpedgiz, 1962. 183 p. (DNAL)
- MANUKOVSKII, N. F., and others. [Over-all mechanization of corn growing and harvesting] Kompleksnaya mekhanizatsiya vozdel'nyan'ia i uborki kukuruzy. Moskva, Proftekhizdat, 1962. 119 p. (DNAL)
- MARUKIAN, S. M. [Forests of agronomic importance and their management] Lesa agronomicheskogo znachenia i khoziaistvo v nikh. Moskva, Sel'khozizdat, 1962. 263 p. (DNAL)
- MATSIUK, L., and N. RUGALEV. [Corn as main crop] Pepusholul este principala kulturo. Kishinev, Editura pentru lit-ra agrikola a Ministerului productiei shi kolekerilor produselor agrikole al RSS Moldovenehti', 1962. 11 p. [In Moldavian] (DNAL)
- MEDVEDEV, N. A. [Forests of the European North and their industrial use] Lesa Evropeiskogo Severa i ikh promyshlennaiia ekspluatatsiia. Moskva, Goslesbumizdat, 1962. 124 p. (DNAL)
- MOLDAVSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT POCHVOVEDENIIA I AGROKHIMII IMENI N. A. DIMO. [Effectiveness of fertilizers in Moldavia] Efektivnost' udobrenii v usloviakh Moldavii. Kishinev, Izd-vo "Shtiintsa," 1961. 123 p. (DNAL)
- MORSIN, S. S. [Organization of work on collective farms] Organizatsiia truda v kol'khozakh. Moskva, Sel'khozizdat, 1962. 85 p.
- MOSCOW. MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IMENI K. A. TIMIRIAZEVA. [Museum of husbandry, literature on the biology of horses, asses, and mules, horse raising, and equestrian sports, published in the U. S. S. R. in 1917-1961; classified index] Literatura po biologii lozhadi, osla i muia, po konevodstvu i konnomu sportu, izdannaiia v SSSR v 1917-1961 gg.; sistematicheski ukazatel'. Moskva, 1962. 653 p.
- MOZHUL', V. G., and A. B. BRONINA. [Labor protection in lumbering camps and timber rafting] Okhrana truda na lesozagotovkakh i lesosplyave. 3. izd., perer. Moskva, Goslesbumizdat, 1962. 124 p. (DNAL)
- MYKHALOVSKYI, A. H., and S. D. LYSOHOROV. [Farm-hospital systems] Sistemy zemlorobstva. Kyiv, Derzhsl' hospvydav URSS, 1962. 77 p. (DNAL)
- NAUCHNO-PROIZVODSTVENNAIA KONFERENTSIYA PO PRIMENENIIU TKANEVYKH PREPARATOV PO V. P. FILATOVU V ZHIVOTNOVODSTVE I VE. TERINARIU, Odessa, 1960. [Tissue preparations in animal husbandry] Tkanevykh preparaty v zhivotnovodstve; materialy. Kiev, Gosset'khozizdat USSR, 1961. 235 p. (DNAL)
- NAUCHNO-TEKHNIЧЕСКОЕ SOVESHCHANIE PO VO-PROSAM KONSTRUIROVANIIA MASHIN DIIA ZASHCHITY PLODOVYKH KUL'TUR I VINOGRADA. Kishinev, 1960. [Mechanization of work in plant protection] Mekhanizatsiia rabot po zashchite rastenii; sbornik trudov. Kishinev, Izd-vo sel'khoz. lit-ry, 1961. 187 p.
- NAZARENKO, I. I., and A. K. SMIRNIUN. [Deer and crops] Bdzholi i vrozhal. [Odessa] Odes'ke knyztstvo vyd-vo, 1960. 29 p. (DNAL)
- NOMEROV, B. A. [Culture and varieties of roses in Moscow Province] Kul'tura i sorta roz Moskovskoi oblasti. [Moskva] Izd-vo Mosk. univ., 1962. 192 p. (DNAL)
- OLESHKO, K. S. [Forage mallow] Kormovaiia mal'va. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1962. 55 p. (DNAL)
- [OVER-ALL MECHANIZATION OF FLAX GROWING] Kompleksnaya mekhanizatsiia flaxovodstva. [By] I. N. Bulotov i dr. Leningrad, Sel'khozizdat, 1962. 364 p. (DNAL)
- PANIN, A. I. [Sheep raising] Ovtsevodstvo. Moskva, Sel'khozizdat, 1962. 263 p. (Uchebnyi i uchebnye posobia dlia sel'skokhoziaistvennykh tekhnikumov) (DNAL)
- PARSHUTIN, G. V., and D. V. SMIRNOV-UGRIUMOV. [Artificial insemination of farm animals] Iakushtvennoe osemenenie sel'skokhoziaistvennykh zhivotnykh. Moskva, Sel'khozizdat, 1962. 279 p. (DNAL)
- PETINOV, N. S. [Physiology of irrigated farms crops] Fiziologiya oroshaemykh sel'skokhoziaistvennykh rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 158 p. (Timiriazevskie chteniia, no. 14)
- PETUKHOV, S. P., N. K. SMOLIANINOVA, and A. S. SPIRINA. [Growing berry nursery stock] Vyrashchivanie posadochnogo materiala jagodnykh kul'tur. Moskva, Sel'khozizdat, 1962. 206 p. (DNAL)
- [POCKET MANUAL FOR THE MILKMAID] Karmannyi spravochnik doiariki. [Moskva] Mosk. rabochii, 1962. 110 p. (DNAL)
- PONOMAREV, A. D. [Organization of forestry management in the U. S. S. R.] Organizatsiia lesnogo khoziaistva i lesoupravleniia v SSSR. Moskva, Goslesbumizdat, 1961. (Biblioteka lesnika i maistera lesa) (DNAL)
- POZIN, M. E., and B. A. KOPYLEV. [New methods of preparing mineral fertilizers] Novye metody polucheniia mineral'nykh udobrenii. Leningrad, Goskhimizdat, 1962. 233 p. (DNAL)
- PRINTS, I. A. I. [Pests and diseases of grapevines] Vrediteli i bolezni vinogradnoi lozy. Izd. 2., ispr. i dop. Moskva, Sel'khozizdat, 1962. 246 p. (DNAL)
- PROKHOROV, M. I. [Microbiological control of harmful rodents] Mikrobiologicheskii metod bor'by s vreditel'nykh gryzunami. Leningrad, Sel'khozizdat, 1962. 132 p. (DNAL)
- PSHENYCHNYI, N. I. [Growing forage beans in the Ukraine] Vyrashchivannia kormovykh bobiv na Ukraini. Kyiv, Tovarystvo dlia poshyrennia polit. i naukovykh znan' URSS, 1962. 35 p. (DNAL)
- PUPYSHEV, P. F. [Hunting with hounds] Sportivnaia okhota s sobakoi. Izd. 3., perer. i dop. Moskva, Voen. izd-vo M-va oborony SSSR, 1959. 245 p.
- PUSHKINO. VSESOIUNNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT LESOVODSTVA I MEKHANIZATSII LESNOGO KHOZIAISTVA. [Bibliographical manual on the work of the All-Union Scientific-Research Institute of Forestry and the Mechanization of Forest Management, 1932-1962] Bibliograficheskii spravochnik rabot instituta, 1932-1962. Pushkino, 1962. 93 p.

RAKHMANOV, V. V. [Water-retaining role of forests] Vodoohrannaya rol' lesov. Moskva, Goslesbumizdat, 1962. 234 p. (DNAL)

RUBTSOV, M. I., ed. [Growing vegetables in the Central Chernozem Region of the U. S. S. R.] Vyrashchivanie ovoshchei v Tsentral'noi chernozemnoi zone SSSR. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 110 p. (DNAL)

SAZANOV, V. I. [Agricultural experimentation in plant growing and the methods used] Sel'skokhoziaistvennoe opyt'noe delo v rastenievodstve i ego metodika. Moskva, Sel'khozizdat, 1962. 111 p. (DNAL)

SERGEYEV, S. V. [For over-all mechanization] Za kompleksovu mekhanizatsiu. [Leningrad] Lenizdat, 1962. 21 p. (Vse novoe, peredovoe - na polia i fermy) (DNAL)

SHAROVA, N. L. [Perennial flowering plants of Moldavia] Mnogoletnie tsvetushche rasteniia Moldavii. Kishinev, Izd-vo "Shtiintsa," 1962. 97 p. (DNAL)

SHIPET, H. J., and M. B. FEL'DMAN. [Oxygen balance in ponds under the conditions of intensive carp culture] Kyslovyy rezhim staviv v umovakh intensyvnogo koropovoho hospodarstva. Kyiv, Vyd-vo UASIN, 1961. 125 p. [With summary in English] (DNAL)

SHUL'GIN, A. M. [Snow cover and its use in agriculture] Snezhnyi pokrov i ego ispol'zovanie v sel'skom khoziaistve. Leningrad, Gldromotoolzdat, 1962. 82 p. (DNAL)

SHUVALOV, V. D., K. S. STAROVOITOV, and I. A. M. GINZBURG. [Ways for improving agriculture in the non-Chernozem zone] Puti pod'oma sel'skogo khoziaistva nechernozemnoi zony. Moskva, Ekonomizdat, 1962. 162 p. (DNAL)

SINIKOV, A. A. [Five hundred and sixty-six centners of vegetables per hectare] 566 tsentnov ovoshchei s gektara. Moskva, Sel'khozizdat, 1962. 22 p. (DNAL)

SINITSKII, V. P., and I. M. GURVICH. [Biological foundations and technology of tree tapping] Biologicheskie osnovy i tekhnologiya podaochniki. Moskva, Goslesbumizdat, 1961. 261 p. (DNAL)

SIROVIN, I. U. P. [Phosphate meal and its use] Fosforitnaya muka i ee primeneniye. Moskva, Sel'khozizdat, 1962. 65 p. (DNAL)

SMETNEV, S. I. [Poultry farming] Ptitsovodstvo. Izd. 4., perer. Moskva, Sel'khozizdat, 1962. 335 p. (Uchebnykh i uchebnye posobiia dlia vysshikh sel'khozial'tvennykh uchebnykh zavedenii) (DNAL)

SOKOLOV-MIKITOV, I. S. [Voices of spring; stories of a hunter] Zvuki vesny; rasskazy okhotnika. [Leningrad] Lenizdat, 1962. 209 p.

SOKOLOVSKAYA, I. I., ed. [Artificial insemination of swine] Iskusstvennoe osmeneniye svinei. Moskva, Sel'khozizdat, 1962. 212 p. (DNAL)

STOICHEV, LIUBEN IV. [Parks and landscaping. Translated from the Bulgarian] Parkovo i landshaftnoe tekhnicheskoe. Sofia, Zemizdat, 1962. 385 p. [With summaries in German, English, and French] (DNAL)

[THROUGH TRANSCARPATIA WITH GUN AND FISHING ROD] Z ruzhnytselu i vudochkolu po Zakarpattiu. Uzhhorod, Zakarpats'ke obl. vyd-vo, 1956. 80 p.

TKACHUK, H. I. [How we fatten and finish livestock] Iak my vidhodovujemo i doroshchujemo khudobu. Kyiv, Derzhnii hospvydav URSS, 1961. 77 p. (DNAL)

TSVETAIEVA, Z. N. [House plants] Komnatnye rasteniia. [Moskva] Mosk. rabochii, 1962. 271 p. (DNAL)

TURETSKAYA, R. KH. [Instructions for the use of growth promoting substances in the vegetative propagation of plants] Instruktia po primeneniiu stimulatorov rosta pri vegetativnom razmnozhenii rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 69 p. (DNAL)

VIDINA, A. A. [Methodological instructions for large-scale field studies of land characteristics for agricultural purposes in the central part of the East European Plain] Metodicheskie ukazaniia po polevym krupnomasshtabnym landshtafnym issledovaniyam; dlia teieli sel'skokhoziaistvennogo proizvodstva v srednei polose Russkoi ravniny. Pod red. N. A. Solntseva. Moskva, Mosk. gos. univ., 1962. 119 p.

VSEARMEISKOYE VOENNO-OKHOTNICH'E OBSHCHESTVO. Tsentral'nyi Sovet. [Hunting in the Soviet Army] Okhotnichii sport v Sovetskoi Armii; sbornik statei. Pod obshch. red. F. K. Prudnikova. Moskva, Voen. izd-vo M-va obr. SSSR, 1960. 262 p.

VYSOTSKII, G. N. [Selected works] Izbrannye sochineniia. Moskva, Izd-vo Akad. nauk SSSR, Vol. 2. [Studies on soils and soil moisture] Pochvennyye i pochvenno-gidrologicheskie raboty. 1962. 398 p. (DNAL)

ZAICHUKOVA, E. A. [State farm of communist labor] Sovkhoz kommunisticheskogo truda. Alma-Ata, Kazakhskoe knizhnoe izd-vo, 1961. 88 p. (CSK-H)

ZOTOV, V. V. [Grapes along house walls and in yards] Vnograd na stenakh domov i vo dvorakh. Izd. 4., ispr. i dop. [Odessa] Odesskoe knizhnoe izd-vo, 1960. 132 p. (DNAL)

16. TECHNOLOGY

ABDALIAN, P. G., and I. A. KHROMCHENKO. [Unit-method repair of the TE1, TE11, TE2 diesel locomotives] Agregatnyi metod remonta teplovozov TE1, TE11, TE2; opyt'noe Likhobory Moskovskoi dorogi. Moskva, Transzheldorizdat, 1962. 67 p.

ABDULLAEV, G. B., and G. A. AKHUNDOV. [Semiconductors] Poluprovodniki. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1961. 80 p. [In Azerbaijani]

ABDULLAEV, R. A., and KH. D. DZHAFAROV. [Geological and geophysical characteristics of the Azerbaijan portion of the Caspian oil-bearing region] Geologo-geofizicheskaia kharakteristika Prikaspiiskogo neftenosnogo raiiona Azerbaidzhana. Baku, Azerbaidzhanskoe izd-vo, 1962. 164 p.

[ABRASIVE FINISHING OF METALS; abstracts] Abrasivnaia obrabotka metallov; referativnyi sbornik. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 43 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-394/51)

ABRUKIN, A. L., and I. A. KHIRNYKH. [Remote control in petroleum production] Telemekhanizatsiia dobychi nefli. Moskva, Gostoptekhizdat, 1962. 302 p.

AFANAS'EV, A. A., and I. A. RABINOVICH. [Safety engineering in shoe manufacture] Tekhnika bezopasnosti v obuvnom proizvodstve. Moskva, Rostekhizdat, 1962. 225 p.

AGATOV, A. A. [Light fuels and their mixtures for sports motor vehicles] Legkie topliva i ikh smesi dlia sportivnykh dvigatelei. Moskva, DOSAAF, 1962. 67 p.

[AGRICULTURAL EFFICIENCY PROMOTERS; from work practices of machinery operators on collective and state farms of the divisions of the Section of Agricultural Machinery and land-improvement stations in Leningrad Province] Ratsionalizatory sel'skogo khoziaistva; iz opyta raboty mekhanizatorov kolkhozov, sovkhozov, otdelenii "Sel'khoztekhnik" i meliorativnykh stantsii Leningradskoi oblasti. [Leningrad] Lenizdat, 1962. 110 p.

[AID FOR RADIO AMATEURS] V pomoshch' radiolubitelii. Moskva, Izd-vo DOSAAF. No. 12. 1962. 53 p.

AKADEMIIA BUDIVNYSTVA I ARKHITEKTURY URSS. Nauchno-issledovatel'skii institut sanitarnoi tekhniki i oborudovaniia zdani i sooruzhenii. [Heating, ventilation, and air conditioning systems] Sistemy otopleniia, ventilatsii i konditsionirovaniia. Pod obshch. red. B. N. Lobanova. Kiev, Gosstroizdat USSR, 1962. 86 p.

AKADEMIIA KOMMUNAL'NOGO KHOZIAISTVA. Ural'skii nauchno-issledovatel'skii institut. [Album of designs of reinforced-concrete slabs for precast pavements of city roads, sidewalks and streetcar tracks] Albom konstruktivnykh zhelezobonnykh plit dlia sbornykh pokrytii gorodskikh dorog, trotuarov i puti tramvaia. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 34 p.

AKADEMIIA NAUK SSSR. Energeticheskii institut. [Methods for the development of a wind-power cascade] Metody razrabotki vetroenergeticheskogo kadas-tra. Moskva, Izd-vo Akad. nauk SSSR, 1963. 193 p.

AKADEMIIA NAUK SSSR. Institut kristallografi. [Stresses and dislocations in semiconductors] Napriazheniia i dislokatsii v poluprovodnikakh; sbornik statei. Pod red. M. V. Klassen-Nikludovoi. Moskva, 1962. 86 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut betona i zhelezobeta. Perovo. [Temporary instructions for the use of concretes which harden below freezing with an addition of potash] Vremennyye ukazaniia po primeneniiu betonov, tvordushchikh na moreze s dobavkoi potasha. Moskva, Gosstroizdat, 1962. 14 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut obshchestvennykh zdani i sooruzhenii. [Public buildings abroad; design and construction] Obshchestvennyye zdaniia za rubezhom (proektirovaniie i stroitel'stvo); sbornik statei. Pod obshch. red. A. Z. Danilaka. Moskva, Gosstroizdat, 1962. 171 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Anticorrosive protection by metal spraying of steel insertion pieces and weld joints in large-panel buildings] Antikorroziinaya zashchita stal'nykh zakladnykh detaiei i svarnykh soedinenii v krupnopanel'nykh zdaniakh metallizatsiei; opyt kombinata zheleznodorozhnykh konstruktsei No. 2. Glavmospromstroimaterialov. Moskva, Gosstroizdat, 1962. 20 p. [MICROFILM]

AKSEL'ROD, S. M. [High-frequency methods for studying boreholes; induction and dielectric logging] Vysokochastotnye metody issledovaniia skvazhin (induktsonnyy i dielektricheskii karotazh). Moskva, Gosgeol'tekhnizdat, 1962. 31 p.

ALEKSANDROV, A. N., M. I. DEMENT'EVA, and I. A. E. SHMULIAKOVSKI, eds. [Methods for analyzing the products of petroleum refining and petrochemical synthesis] Metody issledovaniia produktov neftoperabotki i neftekhimicheskogo sluzetia. Leningrad, Gosoptekhizdat, 1962. 231 p.

ALEKSEEV, S. M. [The ShK-2 transmitter-receiver for school use] Shkol'naya radiostantsiia ShK-2. Moskva, Izd-vo DOSAAF, 1962. 119 p. (Biblioteka iunogo konstruktora)

AL'PEROVICH, A. I. [Methodological manual for work training of tower-crane operators] Metodicheskoe posobie po proizvodstvennomu obucheniiu mashinistov bashennykh kranov. Moskva, Proftekhizdat, 1962. 184 p.

AMMOV, I. I., and others. [Petrographic characteristics and properties of coals] Petrograficheskie osobennosti i svoistva uglii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 370 p.

ANDREOLETTI, V. K., and I. A. DROBOTOV. [Electric ducts and their use in large-panel construction] Elektrotekhnicheskie kanaly i ikh primeneniie pri krupnopanel'nom stroitel'stve. Leningrad, 1962. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Omen peredovym opytom. Seria: Stroitel'naya promyshlennost', no. 26)

ANDRIEVSKII, V. N. [Use of wooden supports for overhead electric-power transmission lines] Eksploatatsiia derevnykh opor lini elektroperevadch. Moskva, Gosenergizdat, 1962. 65 p. (Biblioteka elektromontera, no. 71)

ANTONOV, A. P., and I. I. MALKOV. [Household refrigerators] Domashnie kholodil'niki. [Moskva] Gostorgizdat, 1962. 70 p. (Dlia doma - dlia sem'i)

ANTONOV, O. K. [On wooden and fabric wings] Na kryl'akh iz dereva i polotna. [Moskva] Izd-vo "Molodaiia gvardiia," 1962. 87 p.

ARKHIPOV, G. V. [Automatic control of air conditioning] Avtomaticheskoe regulirovanie konditsionirovaniia vozdukh. [Moskva] Profizdat, 1962. 343 p.

ARTYNOV, M., and M. KAZNEVSKYI. [Television] Telebacheniia. Kyiv, Derzh. vyd-vo obrazovorchoho myslstva i muzychnoi lit-ry, URSSR, 1962. 35 p. (Biblioteka z pytan' myslstva)

- ASHEKO, S. M., and P. L. KLAUZ. [Repair of road and construction machinery] Remont putevykh i stroitel'nykh mashin; uchebnoe posobie po discipline "Tekhnologiya mashinostroyeniya i remont mashin" dlia studentov V kursa spetsial'nosti "Stroitel'nye i dorozhnye mashiny i oborudovanie." Moskva, Vses. zaочnyi in-t inzhenerov zhel-dor, transp., 1962. 108 p.
- ASTAKHOV, A. I. [Handbook on accident prevention for the mechanic repairing construction equipment] Pamiatka po tekhnike bezopasnosti dlia slesaria po remontu stroitel'nykh mashin i mekhanizmov. Izd. 2., dop. Moskva, Gosstroizdat, 1962. 31 p. (Tekhnika bezopasnosti v stroitel'stve)
- ATSAGORTSIAN, Z. A., and O. A. MARTIROSIAN. [Tuffs and marbles of Armenia] Tufy i mramory Armenii. Erevan, Armgosizdat, 1962. 157 p.
- AVEN, O. I., and others. [Contactless executive mechanism with increased sensitivity and a three-phase motor] Beskontaktnyi ispolnitel'nyi mekhanizm povyshennoi chuvstvitel'nosti s trekhfaznym dvigatelem. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 36 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, No. P-57-4/3)
- AVERBUKH, A. I. A., and V. A. PROSKURIKOV. [Chemical products from oil shale] Khimicheskie produkty iz slantsa. Leningrad, Ob-vo po raspr. polit. i nauchn. znani RFSFR, Leningr. otd-nie, 1961. 43 p.
- [MICROFILM]
- AVTOEKSPORT, VSESOIUNNOE OB'EDINENIE. Sovetskoe gruzovye avtomobili i avtobusy. Soviet-made motortrucks and buses. Moskva, [n.d.] 95 p. [Parallel texts in Russian and English]
- AZAROV, A. S. [Modernization and automation of lathes] Modernizatsiya i avtomatizatsiya tokarnykh stankov. Moskva, Proftekhizdat, 1962. 144 p. (Novaya tekhnika i peredovye metody truda)
- BABANKIN, F. S. [Practical photography in geological surveys and mining engineering] Prakticheskaya fotografiya v geologorazvedochnom i gornom dele. Moskva, Gosgeoltekhizdat, 1962. 208 p.
- BABETS, K. K., P. A. EGOROVA, and M. I. SEMENKO. [Blasting in underground ore mining] Vzryvm pri podzemnoi dobyche rud. Moskva, Gosgortekhzdat, 1962. 146 p.
- BABUSHKIN, V. I., and O. P. MCHEDLOV-PETROSAN. [Silicate water-resistant elements] Silikatnye vodostoiki izdelia. Kiev, Gosstroizdat, USSR, 1962. 98 p.
- BAGIROV, I. T., and I. M. KARDASH. [Means for lowering the consumption of power in petroleum refineries; fuel, steam, water, air, electric power] Puti snizheniya energozatrat na neftepererabotku; toplivo, par, voda, vozdukh, elektroenergiya. Moskva, Gosstektizdat, 1962. 211 p.
- BAIMAKOV, I. U. V., and A. I. ZHURIN. [Electrolysis in hydrometallurgy] Elektroliz v gidrometallurgii. Moskva, Metallurgizdat, 1963. 616 p.
- BAKHCHISARITSEV, A. N. [Organization and planning of geological prospecting] Organizatsiya i planirovaniye geologorazvedochnykh rabot. Izd. 2., perer. Moskva, Gosgeoltekhizdat, 1962. 369 p.
- BARANOV, N. V. [Modern city planning] Sovremennoye gradostroitel'stvo; glavnye problemy. Moskva, Gosstroizdat, 1962. 266 p.
- BELEVTSOV, I. A. N., G. V. TAKHTUEV, and B. I. GOROSHNIKOV. [Mining geology of iron ore deposits] Rudnichnaya geologiya na zhelezorudnykh mestorozhdeniyakh. Moskva, Gosgeoltekhizdat, 1962. 233 p.
- BELOTSERKOVSKI, G. B. [Antennas] Antenny. Izd. 2., perer. i dop. Moskva, Oborongiz, 1962. 481 p.
- BELOV, V. P., B. P. KOZLOV, and V. G. LESHCHENKO. [Automatically controlled electric drives of textile machinery] Avtomatizirovannyye elektropriivody tekstil'nykh mashin. Moskva, Mashgiz, 1962. 371 p.
- BELOZOVICH, I. M., and S. A. EPSHTEIN. [Materials and products for the construction of mines] Materialy i izdelia dlia stroitel'stva gornykh predpriyatii; spravochnoe posobie. Moskva, Gosgortekhzdat, 1962. 259 p.
- DEREZIN, A. S. [Contributions of innovators of an economic council to the seven-year plan] Ratsionalizatoryi sovmarkhoza - v fond semiletki. Izd. 2., dop. Moskva, Gosstatizdat, 1962. 30 p. (Peredoviki)
- BERMAN, S. S. [Calculation of heat exchangers of turbine systems] Raschet teplobmennyykh apparatov turbostanovok. Moskva, Gosenergoizdat, 1962. 239 p.
- BERNSHTEIN, L. B. [Uniflow and submersible hydraulic turbines] Priamotoknyye i pogruzhennyye gidroagregaty. Moskva, TSentr. in-t nauchno-tekhn. informatsii mashinostroyeniya, 1962. 208 p.
- BERZOVICH, L. A., and K. M. KUROCHKIN. [Chief operator's switchboard. Modernization of the electric drive of the PD45-2 perforator] Direktorskiy kommuntator. Modernizatsiya elektropriivoda perforatora PD45-2. [By] G. A. Ivanov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 19 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 43, No. O-57-7/2)
- BILIK, SH. M. [Macroscopic geometry of machine parts] Makrogeometriya detalей mashin. Moskva, Mashgiz, 1962. 274 p.
- BLEKHMAN, I. S. [Radio electronics in the past and present] Radioelektronika nastoinshchego i budushchego. Minsk, 1962. 31 p. (Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znani Belorusskoi SSR, no. 25)
- BLINNIK, L. B., and others. [Efficient conditions for the aging of cast iron] Ratsional'nye rezhimy starenia chugunnykh otlivok. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3, No. M-58-112/5)
- BOBROV, N. N., and P. I. VOROPAI. [Using fuels and lubricants] Primeneniye topliva i smazochnykh materialov. Pod obshchey red. N. N. Bobrova. Moskva, Gosstektizdat, 1962.
- BOCHAROV, N. F., V. O. DEGTAREV, and A. I. KOVALEV. [Fundamentals of safety engineering and fire-prevention measures] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki. Moskva, Transzheldorizdat, 1962. 202 p.
- BOGATYREV, I. U. M., and others. [Rapid induction heating of heat-resistant alloy ingots] Skorostnoi induktsionnyi nagrev zagotovok iz zharoprochnykh splavov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, No. M-58-330/17)
- BOGOMOLOV, A. I., and N. M. KONSTANTINOV. [Examples of hydraulic calculations] Primery gidravlicheskikh raschetov. Moskva, Avtotransizdat, 1962. 574 p.
- BOTSOV, V. V. [Mechanization and automation in small-lot production] Mekhanizatsiya i avtomatizatsiya v melkoseriinom proizvodstve. Moskva, Mashgiz, 1962. 436 p.
- BOL'SHAKOV, G. F., and E. A. GLEBOVSKAYA. [Heterogeneous organic compounds of jet propulsion fuels] Geteroorganicheskie soedineniya reaktivnykh topliv. Leningrad, Gosstektizdat, 1962. 219 p.
- BOLTINSKII, V. N. [Theory, design, and calculation of tractor and motor-vehicle engines] Teoriya, konstruktsiya i raschet traktornykh i avtomobil'nykh dvigatelei. Moskva, Sel'khozizdat, 1962. 390 p.
- BONDAREVSKII, D. I. [Operation and repair of streetcars and trolley buses in the depot] Eksploatatsiya i remont tramvaynykh vagonov i troleibusov v depo. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 180 p.
- BORODKIN, V. I. [Setting up technical norms for industries using processing equipment] Tekhnicheskoe normirovaniye v apparatnykh proizvodstvakh. [U'vov] Izd-vo L'vovskogo univ., 1962. 284 p.
- BULAVA, M. N., and M. D. DANILENKO. [Principles of water-supply and sewerage construction] Osnovy vodoprovodno-kanalizatsionnogo stroitel'stva. Kiev, Gosstroizdat USSR, 1962. 171 p.
- BUNIMOVICH, D. Z. [Selecting a camera] Vybór fotoapparata. Pod red. E. A. Iofisa. Moskva, Izd-vo "Iskusstvo," 1962. 127 p. (Biblioteka fotolubitel'a, no. 28)
- BUSHUEV, N. M. [Seed-cleaning machines; theory, design, and calculations] Semeochistitel'nye mashiny; teoriya, konstruktsiya i raschet. Moskva, Mashgiz, 1962. 238 p.
- BYKOV, P. D., and L. D. KHANKIN. [Reducing machining time in machining on lathes] Sbirashcheniye vysshego teinogo vremeni pri rabote na tokarnykh stankakh. 2. Izd., dop. i perer. Moskva, Mashgiz, 1962. 254 p.
- [CHECKING AND MEASURING INSTRUMENTS AND GAUGES] Kontrol'no-izmeritel'nye pribory i pribory. Izd. offtal'nogo. Moskva, Standartiz. [USSR. Gosudarstvennoye standarty]
- Pl. 1. [Measures and instruments for length and angle measurements] Mery i pribory dlia linnykh i uglovyykh izmerenii. 1962. 47 p.
- CHEFRANOV, K. A. [Automation of the drilling process; control parameters] Avtomatizatsiya protsessov burovniya; parametry regulirovaniya. Moskva, Gosstektizdat, 1962. 88 p.
- CHEREVYCHNIK, I. U. K. [Use of cold-cathode tubes in computer technology] Primeneniye kholodnykh lamp s khotodnym katodom v diskretnoi tekhnike. Moskva, Vychislitel'nyi tsentr AN SSSR, 1961. 71 p.
- CHEKINSKII, S. N. [Sanitary specifications for the discharge of sewage into bodies of water] Sanitarnyye uslovia spuska stochnykh vod v vodoeemy. 3. perer. i dop. Izd. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 230 p.
- CHERNOBYLSKII, I. I., and others. [Machinery and apparatus of the chemical industry] Mashiny i apparaty khimicheskoi promyshlennosti. Pod red. I. I. Chernobyl'skogo. Moskva, Mashgiz, 1962. 631 p.
- CHERTOUISOV, M. D. [Hydraulics] Gidravlika; spetsial'nyi kurs. Izd. 4., ispr. Moskva, Gosenergoizdat, 1962. 620 p.
- CHICHIMAREV, G. P. [Contact jaw for the molding of copper. Semi-automatic conveyor for the molding of glass insulators] Kontaktnaya mashina dlia snait modl. Konvotor-polunvomat dlia palki steklyannykh izolatorov. [By] A. F. Mikhuga. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1959. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12, No. M-58-180/17)
- CHIKOV, I. A. I. [Combined lumbering and wood processing enterprises] Kompleksnyye lesoproduktivnye predpriyatia s pererabotkoi drevessiny. Moskva, Goslesbuntizdat, 1960. 63 p.
- CHILAEV, G. A. [Mechanization of fuel supply and ash removal in industrial boiler systems] Mekhanizatsiya toplivopodachi i zolozadachi v promyshlennykh kotelnnykh. Moskva, Mashgiz, 1962. 137 p.
- CHIRKIN, V. S. [Heat conductivity of engineering materials] Teploprovodnost' promyshlennykh materialov. Izd. 2., perer. i dop. Moskva, Mashgiz, 1962. 145 p.
- CHUGAEV, I. U. G., and V. A. PLISKO. [Electronic digital computers] Elektronnyye tsifrovyye vychislitel'nye mashiny. Moskva, Voenizdat, 1962. 405 p.
- CHUGUNOV, S. I. A. [We build our future today] Budushcheye rozhdaetsya segodnya. [Leningrad] Izdat. 1962. 46 p. (Reshenia XXII s'ezda KPSS - v zhurnale)
- CHUPAKHIN, V. M. [Manufacture of tin cans] Promyshlennost' zhestianoi konservnoi lary. Moskva, Pishche-promizdat, 1962. 363 p. (DNAL)
- [CONSTITUTIONAL DIAGRAMS OF METAL SYSTEMS, PUBLISHED IN 1960 (no. 6)] Diagrammy sostavov metalicheskikh sistem, opublikovannyye v 1960 godu (vypusk 6) [By] Z. M. Rogachevskaya. Pod red. N. V. Agosova. Moskva, Proizvodstvenno-izdatel'skii tsentr VINITI, 1962. 173 p. (Prilozheniye k vypusku "Metallovedeniye i termicheskaya obrabotka" Referativnogo zhurnala "Metalurgiya" za 1962 god)
- [CONSTRUCTION WORK IN RAILROAD ELECTRIFICATION] Stroitel'nye raboty pri elektrifikatsii zheleznykh dorog. Utvorzhdeno Glavnym upravleniemy uchebnymi zavedeniyami MPS v kachestvo uchebnogo posobiya dlia vysshih uchebnykh zavedenii zhelezнодорожного транспорта. [By] A. P. Alekseev i dr. Moskva, Transzheldorizdat, 1962. 287 p.
- [CORROSION AND MEANS FOR PREVENTING IT IN UNDERGROUND METAL COMMUNICATION STRUCTURES] Korrozia i zashchita metalicheskikh sooruzhenii sredstv aviatsii. [By] I. N. Pavlova i dr. Moskva, Svyaz'izdat, 1962. 176 p.
- DAIDBEKOV, S. D. [Restoring wooden roofs and floors] Vostanovleniye derevnykh pokrytiy i perekrytiy. Izd. 2., perer. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 121 p.

DAKHINOV, V. N., and A. I. Kholdin, eds. [Using methods of field geophysics in studying gas-bearing reservoirs] *Primenenie metodov promyslovoi geofiziki pri izuchenii gazonosnykh kolektorov*. Moskva, Gostoptekhzdat, 1962. 279 p.

DASHCHENKO, A. I. [Power heads for small semiautomatic machine-tool units] *Silovye golovki malyykh agregatnykh pohavtomatov*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 75 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10, No. M-58-59/11)

DAVIDENKO, P. A. [Electrical section of a wood drying automatic control system] *Elektronnaya skhema avtomaticheskogo kontrollya suski drevessny*. Moskva, Goslesbumizdat, 1962. 53 p. (DIAL)

DEMINS, E. N. [Mechanization and automation of the compression molding of articles from plastic materials] *Mekhanizatsiya i avtomatizatsiya pressovaniya izdelii iz plastmass*. [Leningrad] Lenizdat, 1962. 192 p.

DOLENKO, G. N. [Geology of petroleum and gas in the Carpathians] *Geologiya nefti i gaza Karpat*. Kiev, Izd-vo Akad. nauk USSR, 1962. 364 p. [MICROFILM]

DONDIK, I. G. [Mechanical testing of metals] *Mekhanicheskie ispytaniya metallov; spravochnik*. Kiev, Izd-vo Akad. nauk USSR, 1962. 226 p.

DOŠKAR, JOSEF, and others. [Precision casting in ceramic molds. Translated from the Czech] *Tochnoe lit'e v keramicheskikh formy*. Pod red. I. A. G. Pollakova. Moskva, Mashgiz, 1962. 295 p.

[DRAWINGS IN THE MANUFACTURE OF MACHINERY] *Chertezhi v mashinostroenii*. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 143 p. (SSSR Gosudarstvennye standarty)

DUNDICH, E. I., V. F. KONSTANTINOV, and V. A. REUSOVA. [Laboratory manual on the structural physics of exterior elements of buildings] *Laboratornyi praktikum po stroitel'noi fizike ogradchalushchikh konstruktov zdanii*. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 192 p.

[EFFECT OF THE PROPERTIES OF ROCKS ON THE FLUID FLOW IN THEM] *Vlianie svoystv gornyykh porod na dvizhenie v nikh zhidkosti*. [By] A. Ban i dr. Moskva, Gostoptekhzdat, 1962. 274 p.

[EFFECT OF TEMPERATURE ON DEEP DRILLING PROCESSES] *Vlianie temperatury na protsess bureniya glubokikh skvazhin*. [By] B. I. Es'man i dr. Moskva, Gostoptekhzdat, 1962. 160 p.

EGOROV, S. V., A. V. BERSHTEIN, and E. M. NASHIVANKO. [Pavements made with emulsions and a cation-active additive] *Pokrytiya s primeneniem emul'sii i kationoaktivnoi dobavki*. Moskva, Aviotransizdat, 1962. 26 p. (Obmen tekhnicheskimi opytom dorozhnykh khoziststv)

[ELECTRIC CABLES, WIRES, AND CORDS] *Kabeli, provoda i shnury elektricheskie*. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 571 p. (SSSR Gosudarstvennye standarty)

ENGEL'-KRON, I. V. [Mechanic's manual for repairing turbine and chemical shop equipment] *Slesar' po remontu oborudovaniya turbinnykh i khimicheskikh tsekhov*. Moskva, Proftekhizdat, 1962. 291 p.

ESTIFEEV, A. M. [Hydroelectric power in Finland] *Gidroenergetika Finlandii*. Moskva, Gosenergoizdat, 1962. 86 p.

ESTONIAN S. S. R. Riiklik Ehituse ja Arhitektuuri Komitee. [Instructions RSNI-82 for evaluating the quality of construction and assembly work in the Estonian S. S. R.] *Juunisid ehituse ja montaažtoode kvaliteedi hindamiseks EESTI NSV-s (VEN 18-02)*. Tallinn, 1962. 78 p. [Parallel texts in Estonian and Russian]

ETERLEI, N. S. [Electric power plants, substations, lines, and power-distribution networks] *Elektricheskie stantsii, podstantsii, linii i seti*. Moskva, Proftekhizdat, 1962. 239 p.

[EXAMPLES OF THE DESIGN OF ROADS AND PUBLIC TRANSPORTATION SYSTEMS IN CITIES] *Primery proektirovaniya dorog i setoi passazhirskogo transporta v gorodakh*. [By] E. A. Merkulov i dr. Moskva, Gos. Izd-vo "Vysshaya shkola," 1962. 265 p.

FEDOROV, B. F. [Increasing labor productivity in machinery assembly shops] *Povyshenie proizvoditel'nosti truda na sbozke mashin*. Izd. 2. Moskva, Mashgiz, 1962. 57 p. (Biblioteka slesaria-sborshchika, no. 1)

FEDOROV, I. V. [Methods of calculating the stability of slopes] *Metody rascheta ustoiichivosti sklonov i otkosov*. Moskva, Gosstroizdat, 1962. 201 p. (Gidrotekhnicheskie sooruzheniya)

FLEKSER, I. A. N. [Practical course on hydraulics, water supply and water power stations] *Praktikum po gidravlike, vodosnabzheniu i gidrostilovym ustanovkam*. Moskva, Sel'khozizdat, 1962. 276 p. (Uchebnyi i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

FOMICHEV, I. A. [Diagonal rolling] *Kosaia prokatka*. Khar'kov, Metallurgizdat, 1962. 261 p.

FRIETSCH, KURT. [Making faultless pictures; the prevention and elimination of photographic errors] *Fotografiruem bez oshibok; preduprezhdenie i ustranenie fotograficheskikh oshibok*. Pod red. E. A. Tol'sa. Moskva, Gos. Izd-vo "Iskusstvo," 1961. 272 p. (Biblioteka fotohobbyista, no. 23)

FROLOV, B. V. [Manual on the calculation of a. c. networks using symbolic notation] *Posobie po raschetu tepep peremennogo toka simvolicheskimi metodami*. Leningrad, Leningr. in-t aviatcionnogo priborostroeniya, 1960. 31 p.

GAIVENKO, I. A. [New transistorized protection relays] *Novye rele zashchity na poluprovodnikakh*. Kiev, Gostekhzdat USSR, 1962. 210 p.

GAGARIN, E. I. [Development of the design of motor-vehicle engines] *Razvitiye konstruktivnykh avtomobil'nykh dvigatelei*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 186 p.

GAGARIN, E. I. Leonid Luk'ianovich Shamshurenkov, 1687-1758. Moskva, Izd-vo Akad. nauk SSSR, 1963. 86 p. (Nauchno-bibliograficheskaya seriya)

GALADZHI, F. M. [Safety measures in mine blasting] *Bezopasnost' vzryvnykh rabot v shakhtakh*. Moskva, Gosgortekhzdat, 1962. 133 p.

GALLAI, M. L. [Piloting jet airplanes] *Osobennosti pilotirovaniya reaktivnykh samoletov*. Moskva, Izd-vo DOSAAF, 1962. 195 p.

GEDYK, P. K., and A. P. BLINOVSKIKH. [Standardization and simplification in the machinery industry] *Normalizatsiya i unifikatsiya v mashinostroenii*. Izd. 2., 1-yr. i dop. Moskva, Mashgiz, 1962. 265 p.

GENERSON, I. G. [Production of disk forgings for turbines and compressors] *Proizvodstvo pokovok turbinnykh i kompressornykh diskov*. Moskva, Mashgiz, 1962. 277 p.

GERASIMENKO, N. M., N. B. ZHADANOVSKII, and V. P. FINELOV. [Hydrorefining of petroleum products] *Gidrocchistka nefteproduktov*. Moskva, Gostoptekhzdat, 1962. 131 p. (Biblioteka molodogo rabochego)

GERASIMOV, I. A., A. N. KRESTOVNIKOV, and A. S. SHAKHOV. [Chemical thermodynamics in nonferrous metallurgy] *Khimicheskaya termodinamika v tsvetnoi metallurgii; spravochnoe rukovodstvo*. Moskva, Metallurgizdat.

Vol. 3. [Thermodynamics of tungsten, molybdenum, titanium, zirconium, niobium, tantalum and their most important compounds] *Termodinamika vol'frama, molibdena, titana, tsirkoniya, niobiya, tantala i ikh vazhnykh soedinenii*. 1963. 283 p.

GERATOR, V. N. [Results of increasing the load capacity of gears by selecting oil grades and additives] *Effekt povysheniya nagruzchnoi sposobnosti zubchatykh peredach za schet vybora sortov masel i prisoedok*. Leningrad, 1962. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Mekhanicheskaya obrabotka metallov, no. 26)

GORELOV, V. M. [Formation of metal chips] *Obrazovanie metallicheskoj struzhiki*. Izd. 4. Moskva, Mashgiz, 1962. 37 p. (Nauchno-popullarnaya biblioteka rabochego-stanochnika, no. 2)

GORKI, POLYTEKHINICHESKII INSTITUT. Kafedra goropoliyeniya materialov. [Using the dissection method for calculating beams having extensive curvatures] *Raschet brus'ev bol'shoi krivizny metodom raschleneniya tela; uchebnoe posobie*. Gor'kii, 1962. 22 p. [MICROFILM]

GRAFOV, L. E., ed. [Development and improvement in the technology of coal production] *Razvitiye i sovershenstvovanie tekhniki dobychi uglia*. Moskva, Gosgortekhzdat, 1962. 359 p.

GREBENNIK, B. I., and L. S. KRIVOSHEEV. [Measures for dust control in underground mining and prospecting] *Mery bor'by s rudnoi i porodnoi pyl'yu pri prokhodke podzemnykh geologorazvedochnykh vyrubotok*. Izd. 2. Moskva, Gosgortekhzdat, 1962. 109 p.

GREBNEV, N. A. [Automatic stations for pumping waste water by means of compressed air] *Avtomaticheskie stantsii perekachki stochnykh vod szhatym vozdukhom*. Leningrad, 1961. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 26)

GRISHIN, V. M., and others. [Dimensional electric-spark machining of metals] *Razmernaya elektroerozionnaya obrabotka metallov*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 88 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8. No. M-58-6/1)

GUDEKOV, A. N. [Some problems of mechanization in agriculture] *Nekotorye problemy mekhanizatsii sel'skokhoziaistvennogo proizvodstva*. Moskva, Sel'khozizdat, 1962. 45 p.

GUGEL'EV, B. M. [High-temperature vacuum metallography for the investigation of heat-resistant materials] *Primenenie vysokotemperaturnoi vakuumnoi metallografii dlia issledovaniya zharnoprochnykh materialov*. Pod red. E. E. Levina. Leningrad, 1962. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Metallovedenie i termicheskaya obrabotka, no. 7)

GULUNOV, V. S. [Operation of soaking pits with liquid slag removal] *Rabota nagrevatel'nykh kotlodetsov pri zhidkom shlakoudalenii*. Moskva, Metallurgizdat, 1962. 110 p.

GUSEV, V. E. [Efficient methods of processing wool and synthetic fibers] *Ratsional'nye metody pererabotki shersti i khimicheskikh volokon*. Moskva, Rostekhzdat, 1962. 357 p.

GUSHCHIN, V. I. [Handbook on accident prevention for the conveyor operator] *Pamiatka po tekhnike bezopasnosti dlia mashinista transportera*. Moskva, Gosstroizdat, 1962. 13 p. (Tekhnika bezopasnosti v stroitel'stve)

[HANDBOOK FOR POWER ENGINEERING WORKERS OF THE TEXTILE INDUSTRY] *Spravochnik energitika tekstil'noi promyshlennosti* [By] S. V. Gartung, D. M. Dubkov. Moskva, Rostekhzdat. Vol. 1. [Electrical engineering] *Elektrotehnika*. 1962. 769 p.

[HANDBOOK FOR THE ESTABLISHMENT OF NORMS IN THE MACHINERY INDUSTRY IN FOUR VOLUMES] *Spravochnik normirovshchika-mashinostroitelia v 4 tomakh*. Moskva, Mashgiz. Vol. 4. Vol'skil, V. S., ed. [Engineering norms in auxiliary shops] *Tekhnicheskoe normirovanie vo vopomogatel'nykh tsakhakh*. 1962. 478 p.

[HANDBOOK ON HEATING AND VENTILATION IN RESIDENTIAL AND PUBLIC BUILDINGS] *Spravochnik po teplosnabzheniiu i ventilatsii v grazhdanskoi stroitel'stvo*. [By] R. V. Shchekin i dr. 2. izd., 1-yr., 1-yr. i dop. Kiev, Gos. Izd-vo lit-ry po stroit. i arkhitekt. USSR, 1962. 1019 p. (CU)

HOBLER, TADEUSZ. [Heat transfer and heat exchangers. Translated from the Polish] *Toploperedacha i teplotobmenniki*. Pod red. P. G. Romankova. Leningrad, Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1961. 819 p. (CU)

[I, "the Falcon..." IA - "Sokol..." Moskva, Izd-vo gazety "Krasnaya zvezda," 1962. 29 p. (Biblioteka "Krasnaya zvezda," no. 18(102))

IABLONSKII, A. A., and V. M. NIKIFOROVA. [Course in theoretical mechanics] *Kurs teoreticheskoi mekhaniki*. Moskva, Vysshaya shkola. Pt. 1. [Statics, kinematics] *Statika, kinematika*. 1962. 430 p.

IAKOVLEV, N. F. [Soldering, tinning, and electrolytic coating] *Palka, luzhenie i gal'vanicheskie pokrytiya*. Pod red. A. M. Dmitriyeva. Minsk, Gos. Izd-vo BSSR, Red. proizvodstvennoi lit-ry, 1962. 148 p. (Biblioteka slesaria, no. 3)

- IAKOVLEV, P. A., and E. F. IAKOVLEVA. [Technical analysis in metallurgy; manual for laboratory workers] Tekhnicheskii analiz v metallurgii; spravochnoe rukovodstvo dlia laborantov. Moskva, Metallurgizdat, 1963. 267 p.
- IAKOVLEV, S. M. [Our winged fellow countrymen; biographical sketches of Smolensk people active in Soviet aviation, aeronautics and space flight] Nashi krylatye zemliaki; bibliograficheskie ocherki o smolenskiykh delateliakh otechestvennoy aviatsii, vozdukhoplavanii i kosmonavtiki. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 195 p.
- IGNATOVA, L. P. [Synthetic fibers in the manufacture of knit goods] Khimicheskie volokna v trikotazhnom proizvodstve. Kiev, Gostekhtizdat USSR, 1962. 113 p.
- IL'IN, R. N. [Iurii Ekel'chik; the skill of a motion-picture cameraman] Iurii Ekel'chik; masterstvo kino-operatora. Moskva, Iskusstvo, 1962. 144 p. Illus. (Master knizhnoststva) (MH)
- IL'IN, V. A. [Tin and lead plating] Luzhenie i svintsevanie. Pod red. P. M. Vlachslavova. Izd. 2., dop. i perer. Moskva, Mashgiz, 1961. 33 p. (Bibliotekha gal'vanotekhnika, no. 3)
- IL'IN, V. A. [Zinc and cadmium plating] TSinkovanie i kadmirovanie. Pod red. P. M. Vlachslavova. Izd. 2., dop. i perer. Moskva, Mashgiz, 1961. 48 p. (Bibliotekha gal'vanotekhnika, no. 2)
- INGRUNKOVSKII, M. T., and A. A. SIMONOV. [Unit for boring reducer housings] Agregatnaya ustanovka dlia rastochki korpusov reduktorov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-186/32)
- IUKHVID, M. E., and others. [Highly efficient methods of slitting shafts] Vysokoproduktivnye metody obrabotki shpil'sev na valakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 19. No. M-58-90/18)
- IUSHKOV, N. I., V. G. NAUMOV, and P. B. TUROVSKII. [Assembly and installation of technological equipment in enterprises of the woodpulp and paper industry] Montazh tekhnologicheskogo oborudovaniia predpriatii tseliulozno-bumazhnoi promyshlennosti. Moskva, Goslesbumizdat, 1962. 319 p.
- IVANCHENKO, A. I. [Design of single-worm presses] Raschet odnochervyachnykh pressov. Kiev, Gostekhtizdat USSR, 1962. 94 p.
- IVANOV, S. S., and others. [Methods of determining the properties of cotton fibers] Metody opredeleniia svoystv khlopka-volokna. Pod red. S. S. Ivanova. Moskva, Rostekhtizdat, 1962. 234 p.
- IVANOV, V. M., and F. G. KROTOV. [Technically-minded workers in the service of communism] Tekhnicheskuiu mysl' rabochikh - na sluzhbu kommunizmu [Leningrad] Lenzdat, 1962. 200 p. (Iz opyta raboty Leningradskoi partinnoi organizatsii)
- IVASHCHENKO, A. P. [Handbook for foremen in the machinery industry] Spravochnik мастера-mashinostroitel'a. Izd. 4. Kiev, Gostekhtizdat USSR, 1962. 467 p.
- KAKHOVS'KIY, M. I. [A manual on electric welding] Posibnyk elektrozvarnyka. Kyiv, Derzhtekhydav USSR, 1962. 302 p.
- KALINKIN, V. S., and G. O. FEILER. [Electromagnets for electric cranes] Pod'emnye elektromagnity. Moskva, Metallurgizdat, 1962. 87 p.
- KAMENSKII, A. V., and I. P. KUPISOV. [Control and measuring system of the electric section of thermal electric-power plants] Kontrol'no-izmeritel'naya sistema elektricheskoi chasti teplovykh elektrostantsii; lektsii po kursu "Elektricheskaya chast' elektrostantsii i podstantsii" dlia studentov energeticheskogo fakul'teta spetsial'nosti "Elektricheskoe stanitsi, seti i sistemy." Moskva, Gos. izd-vo "Vysshaya shkola," 1961. 40 p.
- KAPORSKII, L. N. [Generators with electronic control for spectra excitation] Generatory s elektronnyim upravleniem, primeniamye dlia vzbuzhdeniia spektrov; stenogramma tekstit. Leningrad, 1962. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Kontrol' kachestva produktii)
- KASENKOV, M. A. [Heating arrangements in forges] Nagrevatel'nye ustroystva kuznechnogo proizvodstva. Moskva, Mashgiz, 1962. 472 p.
- KAZAKOV, M. L. [Gas-flame hardening of low-module gear wheels] Zakalka gazovym plamenem melkomodul'nykh zubchatykh koles. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. No. M-58-337/12)
- KAZANCHIAN, P. P. [Methods of computing the volume of earthwork. Sposoby podscheta ob'emov zemlanykh rabot. Erevan, Arman'skoe gos. izd-vo, 1962] 82 p. [in Armenian]
- KILARCHENKO, P. N. [Accident prevention in the assembly, use, and disassembly of scaffolds and trestles] Tekhnika bezopasnosti pri montazhe, ekspluatatsii i demontazhe lesov i podmostei. Pod obshelei red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 23 p. (Bibliotekha stroitel'sta po tekhnike bezopasnosti, no. 12)
- KHARIN, B. D. [Organization of the construction of thermal electric-power plants] Organizatsiia stroitel'sta teplovykh elektrostantsii. Moskva, Gosenergoizdat, 1962. 242 p.
- KHIMCHENKO, N. V. [Ultrasonic flaw detection] Ul'trazvukovaya defektoskopiia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 60 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-219/13)
- KHIROMCHENKO, G. E. [Joining and termination of copper and aluminum cables and wires] Soidneniie i okontsevanie mednykh i aluminievykh provodov i kabelei. 2 izd. Moskva, Gosenergoizdat, 1962. 47 p. (Bibliotekha elektromontera, no. 76)
- [KILNS AND DRIERS OF REFRACTORY PLANTS] Pechi i sushila ognepornykh zavodov. [By] P. S. Mamaykin i dr. Sverdlovsk, Metallurgizdat, 1963. 471 p.
- KIRENKO, I. A. [Winter concreting, masonry and plastering] Betonnye, kamennye i shukaturnye raboty na meroze. Kiev, Gosstroizdat USSR, 1962. 271 p.
- KLEBANOV, B. V., and others. [Repair of motor vehicles and tractors] Remont avtomobil'ov i traktorov. Pod red. B. V. Klebanova. Moskva, Mashgiz, Pt. 2. 1962. 301 p.
- KLEITMAN, S. L., L. A. LAGUNOV, and T. I. GRINCHENKO. [Traffic safety] Bezopasnost' dvizheniia avtomobil'ov. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 206 p.
- KLUCHNIKOV, E. I. [Die and cutting tools] Shtamp i rezets. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike, IV Seriya: Tekhnika, no. 4)
- KOCHESHKOV, A. A., and others. [Practices in well completion in the United States] Opyt zakanchivaniia skvazhin v SShA. Moskva, Gostekhtizdat, 1962. 171 p.
- KOCHETOVA, L. T. [Production of canned food for children] Proizvodstvo konservov dlia detskogo pitaniia. Moskva, Pishchepromizdat, 1962. 104 p. (Uchebnoe posobie dlia podgotovki kadrov massovykh professii)
- KOGAN, G. I. [Finishing gear wheels] Odelka zubchatykh koles. 2., perer. izd. Pod obshelei red. N. I. Kolchina. Moskva, Mashgiz, 1962. 118 p. (Bibliotekha zuboreza, no. 7)
- KOLESNICHENKO, V. V., and P. V. EROFTEEV. [Laboratory and practical work on the fundamentals of repairing and the study of materials] Laboratorno-prakticheskie zaniatiia po osnovam materialovedeniia i remontnogo dela. Pod red. I. S. Levitskogo. Moskva, Proftekhizdat, 1962. 158 p.
- KOLUZAIEV, A. M. [Repair and servicing of high-speed VAB-2 switches] Remont i obsluzhivanie bystrodeistviushchikh vykluchatelei tipa VAB-2. Moskva, Gosenergoizdat, 1962. 47 p. (Bibliotekha elektromontera, no. 75)
- KOMAR, V. G., and V. A. LABUNTSOV, eds. [Regulated transistor current rectifiers. Translated articles] Poluprovodnikovye upravliaemye ventili; sbornik perevodnykh statei. Moskva, Gosenergoizdat, 1962. 159 p.
- KOMAROV, G. P., and I. N. CHEKHOVOI. [Automation of industrial processes in a thermal electric-power plant] Avtomatizatsiia proizvodstvennykh protsessov teplovoi elektrostantsii. Kiev, Gostekhtizdat, USSR, 1962. 116 p.
- KOMAROVSKAIA, A. S. [Characteristics of the operation of narrow-gauge logging railroads with diesel locomotive traction] Osobennosti ekspluatatsii lesoraznykh uzkokoleinykh zheleznnykh dorog pri teplovoznoi tiage. Moskva, Goslesbumizdat, 1962. 86 p.
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Volgogradskii oblastnoi komitet. Partinnyi arkhiv. [Risen from ruins; documents and papers about the reconstruction and development of Volgograd, 1943-1947] Podniiaty iz ruin; sbornik dokumentov i materialov o vosstanovlenii i razviii Volgograda, 1943-1947 gg. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1952. 369 p.
- KONDAKOV, A. L. [Steel heart of the motherland] Stal'noe serdtsie Rodiny. Moskva, Profizdat, 1962. 221 p.
- KONDRAT'EV, I. U. P. [Progressive equipment for precision casting] Progressivnoe oborudovanie dlia lit'iia po vyplavliaiomyim modeliam. Leningrad, 1962. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen perevodnyim opytom. Seriya: Liteinoe proizvodstvo, no. 6)
- KONDRAT'EV, P. V. [Manual for training helicopter pilots (sport aviation)] Posobie po podgotovke letchela vertoleta (sportivnoi aviatsii). Moskva, Izd-vo DOSAAF, 1962. 174 p.
- KONFERENTSIYA PO OCHISTKE FENOL'NYKH STOCHNYKH VOD. Moscow, 1960. [Purification of industrial sewage] Ochistka promyshlennykh stochnykh vod, trudy sovmeatnoi konferentsii Instituta Vodozab. AKA SSSR i Instituta vodnogo khoziaistva Ministerstva razvedeliia, lesnogo i vodnogo khoziaistva ChSSR. Moskva, Gosstroizdat, 1962. 446 p. (Kanalizatsiia)
- KON'KOV, A. M. [Automatic program control of heat-treatment processes] Programmnoe avtomaticheskoe upravlenie rezhimami termooabrotki. Leningrad, 1961. 11 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen perevodnyim opytom. Seriya: Metallovedenie i termicheskaya obrabotka, no. 6)
- KON'KOV, A. S., ed. [Economy of metals in the machinery industry] Ekonomiya metallov v mashinostroenii. [By] M. F. Balzhi i dr. Moskva, Mashgiz, 1962. 235 p.
- KONONOV, A. M. [Manual on "Belarus" tractors] Spravochnik po traktoram "Belarus." Moskva, Sel'khozizdat, 1962. 265 p.
- KOORDINATSIONNOE SOVESHCHANIE PO METODIKE LABORATORNYKH ISSLEDOVANIY DEFORMATSII I PROCHNOSTI BETONA, ARMATURY I ELEMENTOV ZHELEZOBETONNYKH KONSTRUKTSII, 1961. [Proceedings of the Coordinating Conference on Methods of Laboratory Studies of Deformations and Strength of Concrete, Reinforcement and Reinforced-Concrete Elements] Trudy. Pod red. V. V. Makaricheva. Moskva, Gosstroizdat, 1962. 333 p.
- KOROVIN, I. U. M., and I. B. ULANOVSKII. [Corrosion of stainless steels in the spots in contact with non-metallic materials] Korroziiia nerzhavoiashchikh stalei v mestakh kontakta s nemetalicheskimi telami. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-139/15)
- KOSENKO, B. F., B. P. TIURKIN, and N. G. SHEPELENKO. [Soviet-made tractors] Otechestvennye traktory; spravochnik. Moskva, Mashgiz, 1962. 535 p.
- KOSHKIN, L. N., and I. U. N. BEREZHNOI. [Whirling motion creates machines] Vikhr' rozhdaet mashiny. [Moskva] Molodala gvardiia, 1962. 78 p.
- KOTOV, I. G. [Advanced method for industrializing construction in agriculture; mobile mechanized units] Peredovoi metod industrializatsii sel'skokhoziaistvennogo stroitel'stva; peredvizhnye mekhanizirovannye kolonny. Stenogramma tekstit. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 35 p.
- KOTOV, I. G. [Introducing industrial methods into agricultural construction] Organizatsiia sel'skokhoziaistvennogo stroitel'stva industrial'nymi metodami; stenogramma tekstit. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 34 p.
- KOVAL', I. A., V. I. VAKHTEL', and B. S. EREMENKO. [Standardized diesel engine for tractors and combines] Unifitsirovannyi dizel' dlia traktorov i kombinov. Moskva, Sel'khozizdat, 1962. 222 p.
- KOVAL'SKII, K. V. [Calculation of windings in transformer repair and rewinding operations] Raschet transformatornykh obmotok pri remontakh i perevotkakh. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 48 p.

- KOVTUN, I. P. [Activated mortars, concretes, and products made of blast-furnace slags] Aktivizirovanye rastvory, betony i izdeliya iz domennykh shlakov. Pod red. M. I. A. Latasha. Kiev, Gosstroizdat, USSR, 1962.
- KOZHEUROV, P. I. [Over-all mechanization in foundries] Kompleksnaya mekhanizatsiya v litnykh tsekhakh. Moskva, Mashgiz, 1962. 286 p. [MICROFILM]
- KOZLOV, S. F., and A. I. PAVLIUKOVICH. [Hard-alloy cutting tools for the machining of light alloys] Tverdosplavnye rezhushchie instrumenty dlya obrabotki legkikh sployov. Leningrad, 1962. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Mekhanicheskaya obrabotka metallov, no. 26)
- KOZ'MINA, N. P., and L. N. LIUBARSKII. [Grain and its quality evaluation] Zerno i otsenka ego kachestva. Moskva, Sel'khozizdat, 1962. 140 p.
- KRASIL'NIKOV, L. A. [Wire drawing worker; manual for on the job improvement of qualifications] Voloshishchik provolok; posobie dlya povysheniya kvalifikatsii rabochikh na proizvodstve. Moskva, Metallurgizdat, 1962. 157 p.
- KRAVTSOV, I. S. [Home canning and preserving of food products] Domashnee konservirovaniye pishchevykh produktov. [Odessa] Odesskoe knizhnoe izd-vo, 1962. 210 p.
- KRINETSKII, I. I. [Stand for testing electrical automatic angular velocity controllers] Stand dlya ispytaniya avtomaticheskikh reguliatorov skorosti vrashcheniya elektricheskogo tipa. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-58-71/8)
- KRIVENKO, P. M., and I. M. FEDOSOV. [Technical maintenance of diesel fuel apparatus] Tekhnicheskoe obsluzhivanie dizel'noi toplivnoi apparatury. Izd. 2., perer. i dop. Moskva, Sel'khozizdat, 1962. 373 p. (Uchebnykh i uchebnoye posobiya dlya podgotovki sel'skokhozyaistvennykh kadrov massovoi kvalifikatsii)
- KHUG, E. K., and S. I. SHIROCHENSKII. [Contactless control device with impulse control of the executive motor] Beskontaktnoe regulirovaniye ustroystvo s impul'snym upravleniem ispolnitel'nym dvigatelem. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-58-47/4)
- KHUGLIANSKII, M. S. [Handbook of electrical engineering] Elektrotekhnicheskii spravochnik. Belgorod, Belgorodskoe knizhnoe izd-vo, 1962. 479 p.
- KIRUPENIN, Z. A., and V. L. KOSOVSKII. [High-production attachments for machining on lathes] Vysokoproduktivnye prisoobleniya dlya tokarnykh rabot. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 51 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-277/42)
- KUCHERIAYEV, F. I., M. F. DRUKOVANYI, and I. V. GAEK. [Short delay blasting in open-cut mines] Korotkozamedlennoe vzryvaniye na kar'erakh. Moskva, Gosgortekhzdat, 1962. 226 p.
- KUKHTAROV, V. I. [Cold stamping] Kholodnaya shtamponovka. Moskva, Mashgiz, 1962. 403 p.
- KUL'MACH, P. P. [Hydrodynamics of hydraulic structures] Gidrodinamika gidrotekhnicheskikh sooruzhenii; osnovnye ploskie zadachi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 189 p.
- KUMANIN, V. V. [Airplane models with rubber motors] Modeli samoletov s rezhimovymi dvigateliami. Moskva, Izd-vo DOSAAF, 1962. 92 p.
- KUPTSOV, I. P., and I. R. IOFFE. [Design and construction of thermal electric plants] Proektirovaniye i stroitel'stvo teplovyykh elektrostantsii. Moskva, Gosenergizdat, 1962. 366 p.
- KUZ'MIN, G. A. [Design of aircraft engines] Konstruktsiya aviatsionnykh dvigatelei. Moskva, Oborongiz, 1962. 442 p.
- KUZ'MIN, N. L., V. G. REKACH, and G. I. ROZENBLAT. [Collection of problems for a course in structural mechanics; pt. I - Problems, pt. II - Answers and solutions] Sbornik zadach po kursu stroitel'noi mekhaniki; ch. I - Zadachi, ch. II - Otveti i resheniya. Pod red. I. M. Rabl'ovicha. Izd. 2., perer. Moskva, Gosstroizdat, 1962. 331 p.
- KUZNETSOV, A. I. [Course project on the repair of motor vehicles and road machinery] Kursovoe proektirovaniye po remontu avtomobil' i dorozhnykh mashin. Moskva, Avtotransizdat, 1962. 190 p.
- KUZNETSOV, B. G. [Evolution of the fundamental concepts of electrodynamics] Evolyutsiya osnovnykh idei elektrodinamiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 292 p.
- KUZNETSOV, M. I. [Fundamentals of electrical engineering] Osnovy elektrotekhniki. 3. Izd., stereotipnoe. Pod red. S. V. Strakhova. Moskva, Proftekhizdat, 1962. 559 p.
- KUZNETSOV, S. I. [Diagrams and tables for dissociating air flow around a wedge, cone, and cambered surface] Diagrammy i tablitsy techeniya dissotatsionnogo vozdukhia okolo klina, konusa i vypukloi povorkhnosti. Moskva, Oborongiz, 1962. 210 p.
- LANTSOV, V. A., and G. A. SEDLUKHA. [Assembly of tower cranes in crowded conditions] Montazh bashennykh kranov v tsesnennykh usloviyakh. Leningrad, 1961. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 27)
- LAVROV, I. A. [Ultrathermostat with a semiconductor temperature pickup for liquids] Ultratermostat zhidkostnykh s poluprovodnikovym datchikom temperatury. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 8 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-58-83/6)
- LAZARIAN, V. A. [Use of mathematical machines with continuous action in solving problems of the dynamics of railroad rolling stock] Primeneniye matematicheskikh mashin nepreryvnogo deystviya k resheniyu zadach dinamiki podvijnogo sostava zheleznykh dorog. Moskva, Transzheldortizdat, 1963. 217 p.
- LEMBERG, M. D. [Fundamentals of hydraulic control] Elementy gidravomatiki. Moskva, Gosenergizdat, 1962. 126 p. (Biblioteka po avtomatike, no. 70)
- LENINGRAD. INZHENERNO-STROITEL'NYI INSTITUT. Nauchnaya konferentsiya. [Construction industry; reports of the 20th Scientific Conference] Stroitel'noe proizvodstvo; doklady XX nauchnoi konferentsii. Leningrad, 1962. 39 p.
- LENINGRAD. INZHENERNO-STROITEL'NYI INSTITUT. Nauchnaya konferentsiya. [Drawing; reports of the 20th Scientific Conference] Grafika; doklady XX nauchnoi konferentsii. Leningrad, 1962. 20 p.
- LENINGRAD. INZHENERNO-STROITEL'NYI INSTITUT. Nauchnaya konferentsiya. [Roads and bridges; reports of the 20th Scientific Conference] Dorogi i mosty; doklady XX nauchnoi konferentsii. Leningrad, 1962. 33 p.
- LENINGRAD. INZHENERNO-STROITEL'NYI INSTITUT. Nauchnaya konferentsiya. [Water supply and sewerage; reports of the 20th Scientific Conference] Vodosnabzheniye i kanalizatsiya; doklady XX nauchnoi konferentsii. Leningrad, 1962. 96 p.
- LENINGRAD. VSESOUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT TORFANOI PROMYSHLENNOSTI. Moskovskii filial. [Bibliographic index of literature on peat] Bibliograficheskii ukazatel' literatury po torfu. Moskva, Gosenergizdat, Vol. 3, 1956-1960 gg. 1962. 183 p.
- LEONT'EV, N. L. [Effect of moisture on the physico-mechanical properties of wood] Vliyaniye vlazhnosti na fiziko-mekhanicheskie svoystva drevosiny. Moskva, Goslesbumizdat, 1962. 113 p.
- LEPAEV, D. A., and A. A. MESCHANKIN. [Repair of cooling appliances of home electric refrigerators] Remont kholodil'nykh apparatov i agregatov domashnykh elektrokholodil'nikov. Moskva, Gosmestpromizdat, 1962. 89 p.
- LEVIN, M. I. [Equipment and design of shops for reprocessing scrap metal] Oborudovaniye i proektirovaniye tsekhov po pererabotke loma. Khar'kov, Metallurgizdat, 1962. 210 p.
- LIAPUNOV, B. V., and N. A. NIKOLAEV. [Over thorns to the stars] Skvoz' lernil k zvezdam. Per aspera ad astra. Izd-vo TsKVLKSM "Molodaia gvardiya," 1962. 174 p.
- LIBERMAN, A. I. [Design of multicut tools for copying machining] Raschet mnogorez'nykh instrumentov, rabotayushchikh metodom kopirovaniya. Moskva, Mashgiz, 1962. 359 p.
- LITHUANIAN S. S. R. Lianides ukio taryba. Centrine mokslino-technine biblioteka, Vilna. [Use of synthetic materials in light industry; bibliography] Sintetiniu medzlagu panaudojimas lengvojoje pramonėje; bibliografinė rodyklė. Primenenie sinteticheskikh materialov v legkoi promyshlennosti; bibliograficheskii ukazatel'. Vilnius, 1962. 69 p.
- LUK'IANCHIKOV, A. S. [Gas roasting of iron ores] Gazovyi obzhig zheleznykh rud. Kiev, Gostekhzdat, USSR, 1962. 89 p.
- LYSHKO, G. P. [Organization of the repair and maintenance service of tractors on collective and state farms] Organizatsiya deservitsii tekhnicheskoi traktorov na kol'khozov' sht sovkhovozur'. Kishinev, Editura pentru literatură agricolă a Ministerului agriculturii AL RSS Moldovenești, 1952. 54 p. [In Moldavian]
- LYSIKHINA, A. I. [Road pavements and subgrades made with bitumens and tars] Dorozhnye pokrytiya i osnovaniya s primeneniem bitumov i degtel. Moskva, Avtotransizdat, 1962. 359 p.
- LYZO, G. P., A. P. LYZO, and V. A. LOMOVSKII. [Tractors, motor vehicles, engines] Traktory, avtomobili, dvigateli. Pod obshchey red. G. P. Lyzo. Moskva, Vysshaya shkola, 1962. 481 p.
- MAGNITOGORSK. GORNO-METALLURGICHESKII INSTITUT. [Shaping metals by pressure] Obrabotka metallov davleniem; k 25-letiyu raboty kafedry obrabotki metallov davleniem MGMI. Sverdlovsk, Metallurgizdat, 1962. 107 p.
- MADAN, D. S., and others. [Mechanization and automation of production processes in mining] Mekhanizatsiya i avtomatizatsiya proizvodstvennykh protsessov na rudnikakh. Moskva, Gosgortekhzdat, 1962. 320 p.
- MAKIENKO, N. I. [Bench work] Slesarnoe delo. 2., perer. i dop. izd. Moskva, Proftekhizdat, 1962. 381 p.
- MAKSIMOVICH, G. G., and R. I. KRIPIAKEVICH. [Automatic device for differentiated checking of threads] Avtomat dlya differentsirovannogo kontrolya rez'by. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-208/11)
- MALYI, S. A. [Introducing automatic control of holding furnaces] Avtomatizatsiya metodicheskikh pechey. Moskva, Metallurgizdat, 1962. 102 p.
- MAMONOV, P. N. [Book of problems in electric measurements] Sbornik zadach po elektricheskim izmereniyam. Leningrad, Sudpromgiz, 1962. 105 p.
- MANEVICH, R. M. [Location of short-circuits in the turns of rotating turbogenerator rotors] Obnaruzheniye vitykovykh zamykanii v obmotkakh vrashchalushchikh rotorykh turbogeneratorov. Leningrad, 1962. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Priборы i elementy avtomatiki, no. 8)
- [MANUAL FOR ENGINEERS IN THE INSTRUMENT INDUSTRY] Spravochnik tekhnologa-priborostroitel'na. Pod red. A. N. Malova. Moskva, Mashgiz, 1962. 988 p.
- [MANUAL ON THE CALCULATION OF TIMBER AND FOREST PRODUCTION] Dovidnyk z obliku lisomaterialiv i lisovoi produktcii. [By] I. P. Dorokhov ta inshi. Kyiv, Derzh. vyd-vo tekhn. lit-ry URSR, 1961. 587 p.
- MARINCHENKO, V. A. [Efficient use of electric power in rolling mills] Voprosy ratsional'nogo ispol'zovaniya elektroenergii v prokatnykh tsekhakh. Moskva, Metallurgizdat, 1962. 134 p. [MICROFILM]
- MASLOV, V. N. [Method of limiting equilibrium in the design of slopes of earth structures for strength] Metod predel'nogo ravnovesiya v raschete otkosov zemlanykh sooruzhenii na prochnost'; tochnoe resheniye. Moskva, Gosenergizdat, 1958. 30 p. (Prilozheniye k zhurnalu "Gidrotekhnicheskoe stroitel'stvo")
- [MATERIALS USED IN ENGINEERING STRUCTURES ON ROADS AND RAILROADS] Materialy primeneniya pri stroitel'stve inzhenernykh sooruzhenii na zheleznykh i avtomobil'nykh dorogakh. Izd. ofitsial'noe. Moskva, (SSSR, Gosudarstvennye standarty) Pt. 1. [Steel and steel products] Stal' i stal'nye izdeliya. 1962. 357 p.

- MATSKOVICH, D. D. [Dynamometric electric scales with a summator] Dinamometricheskie elektromesy s summiruyushchim ustroystvom. Leningrad, 1962, 28 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Energetika, no. 8)
- MATVEEV, V. F. [Semiautomatic devices for the removal of film and fins from parts made of plastics] Poluavtomaty dlia sniatia obloia s detalei, izgotovlennykh iz plasticheskikh mass. Leningrad, 1962, 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Pribory i elementy avtomatiki, no. 15)
- MAZEL', A. G., and others. [Selection of electrodes for the welding of low-carbon steels] Vychor elektrodov dlia svarki malouglerodistykh stalei. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12, No. M-58-62/6)
- MELKOV, M. P. [Hard iron plating of parts of motor vehicles and tractors] Tverdoe ostalivanie avtotraktornykh detalei. Moskva, Avtotransizdat, 1962, 270 p.
- MEL'NIKOV, A. A. [Effectiveness of concentrating and mechanizing the production of building materials in Kirghizistan] Effektivnost' kontsentratsii i mekhanizatsii proizvodstva stroitel'nykh materialov v Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962, 166 p.
- MEL'NIKOV, N. A. [In life's orbit] Na orbite zhizni. [Kiev] Kievskoe obl. knizhno-gazetnoe izd-vo, 1962, 64 p.
- MERKULOV, A. P. [Tamed tornado] Ukroshchennyi smerech. Moskva, Izd-vo "Znanie," 1963, 30 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika, no. 3)
- MERKULOV, E. F. [Antifriction porous alloys] Antifrictionnyye poristyie splavy. 2. izd. ispr. i dop. Moskva, Mashgiz, 1962, 68 p.
- MEKHAILOVA, T. L., and A. I. SHTRYMOV. [New type of forging rolls. Automatic loading and unloading of ingots into and out of soaking pits] Kovochnyye val'tsy novoi konstruktsii. Avtomatizatsiya zagruzki i vygruzki zagotovok iz nagrevatel'nykh pechei. [By] M. A. Al'bert. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, No. M-58-154/7)
- MEKHEEV, G. F. [Isotopes save time and work] Izotopy ekonomiat vremia i trud. Moskva, Izd-vo Akad. nauk SSSR, 1963, 108 p. (Akademiya nauk SSSR. Nauchno-populiarnaya seriya)
- MINTS, A. L. [Radio electronics] Radioelektronika; kraikaia istoriya i dostizheniya. Moskva, Izd-vo Akad. nauk SSSR, 1963, 84 p. (Akademiya nauk SSSR. Nauchno-populiarnaya seriya)
- MIRIEV, I. M. [Technology and properties of high-strength, fine concrete] Tekhnologiya i svoystva vysokoprotchnykh melkozernistykh betonov. Baku, Azereshr, 1961, 116 p.
- MIRONOV, B. P. [Inclined tubular kiln for burning vermiculite] Trubchataya naklonnaya poch' dlia obzhiga vermikulita. Leningrad, 1962, 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 23)
- MIRONOV, I. M. [Locomotives of today and tomorrow] Lokomotivy nastoiashchego i budushchego. Moskva, Izd-vo "Znanie," 1963, 64 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika, no. 5)
- MOMDZHI, G. S. [How to search for titanium deposits] Kak iskat' mestorozhdeniya titana. Izd. 2. Moskva, Gosgeoltekhizdat, 1962, 28 p. (Bibliotekha ismatelia poleznykh iskopaemykh)
- MORDYSH, I. U. Z. [Contour grinding] Profil'noe shlifovanie. [Moskva] Mosk. rabochii, 1962, 71 p. (Novatory semletki)
- MOREKHODOV, G. A. [Establishing norms for the expenditure of auxiliary sheemaking materials] Normirovanie rashkoda vspomogatel'nykh obuvnykh materialov. Moskva, Roetkhizdat, 1962, 121 p.
- MOSCOW, GOSUDARSTVENNYI INSTITUT PO IZYSKANIAM I PROEKTIROVANIU SOORUZHENII SVIAZI. [Standard design for constructing UATS-50/100 rural step-by-step telephone exchange systems] Tipovoi projekt na stroitel'stvo stantsionnykh sooruzhenii sel'skikh dekadno-sbagovykh stantsii tipa UATS-50/100 (okonechnot' - emkost' iu 50 No. No. 1 uzlovykh - emkost' iu 50 i 70-80 No. No.) Moskva, Sviaz'izdat, 1962, 78 p.
- MOSCOW, INZHENERNO-EKONOMICHESKII INSTITUT. [Enterprises for the manufacture of reinforced-concrete elements and products] Predpriyatia po izgotovleniiu zhelezobelonykh konstruktsei i detalei; uchebnoe posobie po kursu "Organizatsiya i planirovanie stroitel'nogo proizvodstva." Moskva, 1962, 91 p.
- MOSCOW, INZHENERNO-EKONOMICHESKII INSTITUT. [Standardization of the consumption of materials and power resources in construction] Normirovanie rashkoda materialov i energoresurov v stroitel'stve; uchebnoe posobie. Moskva, 1962, 130 p.
- MOSCOW, NAUCHNYI INSTITUT PO UDOBRENIAM I INSEKTOFUNGITSIDAM. [Combined contact-tower process for sulfuric acid manufacture] Kombinirovannyi kontaktno-bashennyi protsess polucheniia sernoi kisloty. Moskva, 1962, 39 p.
- MOSCOW, TSENTRAL'NAIA NAUCHNO-TEKHNI-CHESKAYA BIBLIOTEKA LESNOI I BUMAZHNOI PROMYSHLENNOSTI. [Manufacture of wood containers; bibliographical index of domestic and foreign literature from 1947 to 1959] Proizvodstvo dereviannoi tary; bibliograficheski ukazatel' otechestvennoi i inostrannoi literatury za 1947-1959 gg. Moskva, 1960, 107 p.
- MOSCOW, TSENTRAL'NAIA NAUCHNO-TEKHNI-CHESKAYA BIBLIOTEKA LESNOI I BUMAZHNOI PROMYSHLENNOSTI. [What to read about the construction of logging roads; index of recommended Russian literature for 1958-1960] Chto chitat' o stroitel'stve lesovoznykh dorog; rekomendatsii i ukazatel' otechestvennoi literatury za 1958-1960 gg. Moskva, 1962, 32 p.
- MOSCOW, TSENTRAL'NOE BIURO PROMYSHLENNYKH NORMATIVOV PO TRUDU. [Time norms established in the general machinery industry for large-batch and batch production standards of iron, steel, and non-ferrous metal chill castings] Obshchomashinostroitel'nye normativy vremeni dlia tekhnicheskogo normirovaniia rabot pri kochlenii lit'ye detalei iz chuguna, stali i tsvetnykh splavov; krupnoseriinnye i seriinnye proizvodstvo. Moskva, Mashgiz, 1962, 54 p.
- MOSCOW, TSENTRAL'NYI INSTITUT INFORMATSII CHERNOI METALLURGI. [Heat engineering] Teploenergetika [By] E. A. Nitskevich. Pod red. A. N. Ivanova. Moskva, Metallurgizdat, 1962, 348 p. (Tekhnicheskii progress v chernoi metallurgii SSSR)
- MOSCOW, TSENTRAL'NYI INSTITUT TEKHNIЧЕСКОИ INFORMATSII UGOL'NOI PROMYSHLENNOSTI. [The coal industry of capitalist countries] Ugol'naya promyshlennost' kapitalisticheskikh stran. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, Vol. 2. [Technology, mechanization, and organization of development workings] Tekhnologiya, mekhanizatsiya i organizatsiya rabot pri provedenii podgotovitel'nykh gornykh vyrobok. Otv. red. toma: B. E. Kazakov, V. D. Sosnov, G. G. Suetin, 1962, 351 p.
- MOSCOW, VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PO NORMALIZATSII V MASHINOSTROENII. [Steel pipe sections MN 2568-61 and MN 2570-61 - MN 2592-61 for interior sanitary engineering installations] Detali truboprovodov stal'nye dlia vnutrennikh sanitarno-tekhnicheskikh ustroistv, MN 2568-61, MN 2570-61 - MN 2592-61. Moskva, Standartgiz, 1962, 30 p. (SSSR. Normali mashinostroeniia)
- MOSCOW, VSESOUZNYI TSENTRAL'NYI PROEKTNYI INSTITUT PO PROEKTIROVANIU SHAKHTNOGO STROITEL'STVA KAMENNOUGOL'NOI PROMYSHLENNOSTI. [Standard plans for mine development and transportation systems] Tipovyye projekty sistem razrabotki i transporta na kar'erakh. Pod obshchey red. N. V. Mel'nikova. Moskva, Gosgortekhzdat, Vol. 2. [The transportation system in mine development; the justification and calculation of standard layouts, elements, and technical and economic indices] Transportnaya sistema razrabotki; obosnovaniia i raschety tipovykh skhem, elementov i tekhniko-ekonomicheskikh pokazatelei. 1962, 462 p.
- MOSCOW, VSESOUZNYI ZAOCHNYI MASHINOSTROITEL'NYI INSTITUT. Kafedra "Metallorezhushchie stanki i instrumenty." [Metal-cutting machines; kinematic adjustment of metal-cutting machines] Metallorezhushchie stanki; kinematicheskaya nastroika metallorezhushchikh stankov. Pod red. A. G. Nalchana, Moskva, Mashgiz, 1962, 179 p.
- MOSIN, V. V. [Fast and reliable repairing] Remontirovat' bystro i nadezhno. [Leningrad] Lentsdat, 1962, 75 p. (Peredovoi opyt - vsem)
- MOSKOVSKII DOM NAUCHNO-TEKHNIЧЕСКОИ PROPAGANDY IMENI F. E. DZERZHINSKOGO. [Advanced experience in and methods of manufacturing prestressed concrete elements] Peredovoi opyt i metody izgotovleniya predvaritel'no napriazhennykh zhelezobelonykh konstruktsei; materialy seminarov. Moskva, Nos. 1-2, 1962.
- MOSKOVSKII DOM NAUCHNO-TEKHNIЧЕСКОИ PROPAGANDY IMENI F. E. DZERZHINSKOGO. [Transportation and city planning] Transport i planirovka gorodov; materialy seminarov. Moskva, Nos. 1-2, 1962.
- [MOTOR VEHICLES, TRAILERS, PARTS AND MATERIALS USED IN THE MANUFACTURE OF MOTOR VEHICLES] Avtomobili, pritsepny, detali i materialy, primeniamye v avtomobilstroenii. Izd. ofitsial'naya. Moskva, Standartgiz, 1962, 270 p. (SSSR. Gosudarstvennyye standarty)
- MURACHEV, V. A. [In close cooperation] V tesnom soodruzhestve. [Leningrad] Lentsdat, 1962, 25 p.
- MUTSENEK, K. IA., and I. U. M. TARNOPOL'SKII. Reducing the weight of machinery and saving metals in the machinery industry. Puti snizheniya vesa mashin i ekonomii metallu v mashinostroenii. Riga, Izd-vo Akad. nauk Latviskoi SSR, 1960, 111 p.
- NADEZHIN, B. M. [Pedestrian and vehicular tunnels in Moscow] Peshekhodnye i transportnye tunneli Moskvy. [Moskva] Mosk. rabochii, 1962, 64 p.
- NATALENKO, V. P. [Models flying on cords] Kordnyye letalushchie modeli. Moskva, Izd-vo DOSAAF, 1962, 83 p. (Biblioteka iunogo konstruktora)
- NEKRASOV, R. M. [Rigging of skidding and loading equipment] Montazh trelevochno-pogruzochnogo oborudovaniia; prakticheskoe rukovodstvo. Moskva, Goslesbumizdat, 1961, 130 p.
- NEPOMNIASHCHII, I. L. [Design and construction of coking machines] Koksovyie mashiny, ikh konstruktsei i raschety. Izd. 2., perer. i dop. Moskva, Metallurgizdat, 1963, 388 p.
- NEPOROZHNI, P. S. [Problems and objectives in the construction of power engineering systems in the U.S.S.R.] Zadachi i puti sovershenstvovaniia energo-tekhnicheskogo stroitel'stva SSSR. Moskva, Gosenergoizdat, 1959, 45 p.
- NETIAGA, V. D. [Precast reinforced concrete at construction projects in Kazakhstan] Stornyi zhelezobeton na stroitakh Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo, 1962, 101 p.
- [NEW KINDS OF MATERIALS IN ENGINEERING AND INDUSTRY] Novyye materialy v tekhnike. Pod red. Trostianskoi E. B., Kolacheva, B. A., Siliustrovskoi S. I. Moskva, Gosoptekhzdat, 1962, 656 p.
- OBRUCHEV, V. A. [Selected works] Izbrannyye trudy. Moskva, Izd-vo Akad. nauk SSSR, Vol. 4, 1963, 391 p.
- OGLOBLIN, A. N. [Handbook for milling-machine operators] Spravochnik frezorovshchika. Izd. 2., perer. i dop. Moskva, Mashgiz, 1962, 440 p.
- OKS, G. N., and others. [New technology of the manufacture of ball-bearing steel] Novaya tekhnologiya vyplavki sharikopodshipnikovoi stali. Moskva, Metallurgizdat, 1962, 124 p.
- OKULOV, I. B., and B. M. SHUBIN. [Electroplating] Gal'vanicheskie pokrytiia. Moskva, Mashgiz, 1962, 176 p.
- OLOFINSKII, N. F. [Electric ore-dressing methods] Elektricheskie metody obogashcheniya. Izd. 2., perer. i dop. Moskva, Gosgortekhzdat, 1962, 571 p.
- [OPERATION OF STEAM BOILERS, PRESSURE VESSELS AND HOISTING MACHINERY; regulations, instructions, norms] Eksploatatsiya parovykh kotlov, sozdov i gruzopod'emnykh mashin; pravila, instruktsii, normy. Izd. ofitsial'noe. Kiev, Gosstekhzdat USSR, 1962, 643 p.
- ORLIKOY, M. L. [Designing mechanisms for automatic machine tools] Proektirovaniye mekhanizmov stankov-avtomatov. Moskva, Mashgiz, 1962, 247 p.
- ORLOV, N. D. [Foundry practice] Liteinoe proizvodstvo; uchebnoe posobie po razdelu "Liteinoe proizvodstvo" kursa "Tekhnologiya metallor." Moskva, Mosk. inzhenerno-ekon. in-t im. S. Ordzhonikidze, 1962, 103 p.

- OVSIANNIKOV, K. M. [Principles of the automation of foundry practice] Osnovy avtomatizatsii litnogo proizvodstva. Pod red. L. M. Volpanskogo. Moskva, Mashgiz, 1960, 50 p. (Nauchno-popularnaya biblioteka rabocheho-litelskikh, no. 30)
- PANASENKO, F. L. [Manufacture of cold-rolled sheet steel] Proizvodstvo kholodnokatanol listovoi stali. Khar'kov, Metallurgizdat, 1962, 302 p.
- PASHKOV, V. D. [Air-blowing equipment in metallurgical plants] Vozdukhoduvnoe khozlaistvo metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1962, 247 p.
- PAVLENKO, E. I. A. [Automotive transportation; problems and exercises] Avtomobil'nye perevozki; sbornik zadach i uprazhnenii. Moskva, Avtotransizdat, 1962, 184 p.
- PERVOZVANSKII, A. A. [Random processes in nonlinear automatic systems] Sluchainye protsessy v nelineinykh avtomaticheskikh sistemakh. Moskva, Fizmatgiz, 1962, 351 p.
- PETROSIAN, A. N. [Automatic control and relay protection of electrical systems in oil fields] Avtomatika i rel'einaia zaschita elektrostanoov neflianykh promyslov. Leningrad, Gostoptekhzdat, 1962, 322 p.
- PIDHAITS'KYI, V. V. [Fluxes for mechanized electric welding] Fluxy dlia mekhanizovannogo elektrosvaryvaniia. Kyiv, Derzhizvydav URSS, 1961, 134 p.
- PINENZHUK, A. M. [Assembly drawings in the manufacture of machinery] Sbornikye chertozhi v mashinostroyenii. Izd. 2. Moskva, Mashgiz, 1962, 80 p. (Biblioteka slesaria-sbornichika, no. 2)
- PITERSKOV, N. I. [Handbook on accident prevention for drainage pump operators] Pamiatka po tekhnike bezopasnosti dlia mashinista vodootlivnykh nasosov. Moskva, Gosstroizdat, 1962, 13 p. (Tekhnika bezopasnosti v stroitel'stve)
- POGORELOV, V. I., and G. A. MEDVEDEV. [New systems of regulating pressure in hydraulic drives] Noveye sistemy regulirovaniia davleniia v gidroprivodakh. Leningrad, 1962, 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Mekhanicheskai obrabotka metallov, no. 23)
- POLIAKOV, B. A. [Condenser systems for power factor improvement] Kondensatornye ustanovki dlia povysheniia koefitsienta kosinostii. Izd. 2., perer. Moskva, Gosenergizdat, 1962, 231 p.
- POLIAKOVA, V. I., and I. B. KUZNETSOVA. [Manufacture of toys from plastics] Proizvodstvo igrushek iz plasticheskikh mass. [Leningrad] Gosmestpromizdat, 1962, 318 p.
- POPCHENKO, S. N., and M. G. STARITSKII. [Asphalt waterproofing of concrete and reinforced-concrete structures] Asfal'tovye gidrozoliaty betonnykh i zhelezobetonnykh sooruzhenii. Pod red. P. D. Glebova. Moskva, Gosenergizdat, 1962, 260 p.
- PRANULIS, M. F. [Safety measures in petroleum refineries] Tekhnika bezopasnosti na nefiennykh rafineriakh. Izd. 2., perer. i dop. Moskva, Gostoptekhzdat, 1962, 208 p.
- PRESNIAKOV, I. I. [Safety methods in prospecting for building materials and engineering-geology] Bezopasnye sposoby razvedki stroitel'nykh materialov i inzhenerno-geologicheskikh izyskanii. Moskva, Gosgeotekhzdat, 1962, 110 p.
- [PRINCIPLES OF METALLURGY IN 4 VOLUMES] Osnovy metallurgii v chetyrekh tomakh. Red. kollegiia: I. A. Dykhovskii i dr. Moskva, Metallurgizdat. Vol. 3. [Light metals] Legkie metally. Otv. red. A. I. Beltaev i N. S. Greiver. 1963, 519 p.
- PRINTSENTAL', S. G. [Modernization of gear-milling machines for the improvement of their precision] Modernizatsiia zubofrezernykh stankov dlia povysheniia ikh tochnosti; opyt Nevskogo zavoda imeni V. I. Lenina. Leningrad, 1962, 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Mekhanicheskai obrabotka metallov, no. 27)
- PUSHKIN, V. N., and V. S. ZGURSKII. [Man and automatic machine; psychology and technology] Chelovek i avtomat; psikhologiya i tekhnika. Moskva, Izd-vo "Znanie," 1963, 31 p. (Novoe v zhizni, nauka, tekhnika. IV Seriya: Tekhnika, no. 6)
- RABENOVICH, A. SH., V. I. SAL'NIKOV, and V. N. VINOKUROV. [Self-sharpening working parts of machines] Samoizachiyaushchiesia rabochie organy mashin. [Moskva] Mosk. rabochii, 1962, 18 p. (Sovety molodomu mekhanizatoru)
- RACHEVSKII, D. M. [Mechanization and automation of the manufacture of prestressed roof slabs] Mekhanizatsiia i avtomatizatsiia proizvodstva predvaritel'no napriazhennykh paneloi perekrytii. Moskva, Gosstroizdat, 1962, 134 p.
- [RAILROAD STATIONS AND JUNCTIONS] Zheleznodorozhnye stantsii i uzly. [By] I. E. Savchenko i dr. Moskva, Transzheldorizdat, 1962, 410 p.
- RAINUS, G. E. [Static analysis of cable trusses] Staticheski raschet term iz trosov; stenogramma lektsii. Nauchn. red. V. D. Linetskii. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962, 54 p.
- RAPPOPORT, M. G., and B. M. DROZDOV. [EV 80-3 electronic computer] Elektronnyi vychislitel' EV 80-3; ekspluatatsionnye svoistva i nekotorye primery primeneniia. Moskva, Gosstatizdat, 1962, 164 p.
- RASHCHENKO, I. N. [Homemade cured food, preserves, marinades] Domashnie solenia, vareniia i marinady. Alma-Ata, Kazakhskoe gos. izd-vo, 1962, 221 p.
- RASKIN, I. A., S. I. KALISH, and V. I. MATVEEV. [Installation, adjustment and operation of fans in mines] Montazh, naladka i ekspluatatsiia shakhtnykh ventilatorov. Moskva, Gosgortekhzdat, 1962, 296 p.
- RAZUMOVA, M. S. [Molding materials and mixtures] Formovochnye materialy i smesi. Moskva, Mashgiz, 1962, 46 p. (Nauchno-popularnaya biblioteka rabocheho-litelskikh, no. 3)
- REZNIKOV, A. G. [Making steel and aluminum parts by cold extrusion] Shtampovka detaloi iz stali i aliuminiia splavov metodom kholodnogo vydavlianiia. Leningrad, 1962, 27 (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Gorlacha i kholodnaia obrabotka metallov davleniem, no. 6)
- RODOPULO, A. K. [Biochemical processes in wine making] O biokhimicheskikh protsessakh v vinodelii. Moskva, Pishchepromizdat, 1962, 178 p.
- [ROLLING AND HEAT-TREATMENT OF RAILROAD RAILS] Prokatka i termicheskai obrabotka zheleznodorozhnykh rel'sov. [By] P. I. Polukhin i dr. Moskva, Metallurgizdat, 1962, 510 p.
- ROMANOVSKII, V. M., and V. K. BOZHKO. [A manual for electricians] Spravochnik elektrika; posobie dlia uchashchikhsia srednei shkoly s proizvodstvennym obucheniem. Moskva, Ucheptgiz, 1962, 191 p.
- ROMANOVSKII, V. P., and N. A. DAGELAIKAI. [Progressive die stamping of strips] Postodoval'naiia shtampovka v lentu. Pod obshelei red. V. P. Romanovskogo. Moskva, Mashgiz, 1962, 87 p. (Biblioteka shtampovshchika, no. 6)
- ROSSINSKII, V. A., and others. [Examples of the design of precast reinforced-concrete bridges] Primery projektirovaniia sbornykh zhelezobetonnykh mostov. Moskva, Avtotransizdat, 1962, 494 p.
- ROZHIZHIN, N. D. [A radio controlled model glider] Model' planora, upravliomaiia po radio. Moskva, Izd-vo DOSAAF, 1962, 87 p. (Biblioteka lunogo konstruktora)
- [RUBBER; testing methods] Rozhna; metody ispytanii. Izd. ofitsial'noe. Moskva, Standartgiz, 1962, 222 p. (SSSR, Gosudarstvennye standarty)
- RUBINOV, E. B. [Automatic silk-reeling machine of the type developed by the Uzbekistan Scientific Research Institute of the Silk Industry, operated according to the principle of thread tension] Kokonomoi'nyi avtomat tipa UzNISHP, delaiushchii po printsipu rastiazheniia nitii. Tashkent, Izd. AN UzSSR, 1962, 208 p.
- RUBINOV, I. I. A. [Hydraulic equipment for metal-cutting machines] Gidravlicheskai apparatura dlia metallorezhuushchikh stankov; stenogramma. Leningrad, 1962, 53 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Mekhanicheskai obrabotka)
- RUBINShteIN, T. A. [Asbestoslike friction materials with a high and stable friction coefficient. Multiple molds for pressing collectors with "volcanic" plastic] Asbobakel'tovye friktsionnye materialy s vysokim i stabil'nyim koefitsientom treniia. Mnogomesnye pressiformy dlia oppressovki kollektorov voloknitom. [By] I. A. Lychagin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1962, 15 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 19, No. M-58-79/2)
- RURA, A. M. [Manufacture of diamond draw plates using electric techniques] Izgotovlenie almaznykh volok s primeneniem elektroobrabotki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 23 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8, No. M-58-399/8)
- RUSSIA (1917- R. S. F. S. R.) Glavnoe upravlenie sanitarno-tekhnicheskogo montazha. [Instructions for testing and adjusting air-conditioning systems] Instrukttsiia po ispytaniu i naladke sistem konditsionirovaniia vozdukh. Otv. 6 dekabria 1961 g. Moskva, TSentr. biuro tekhn. informatsii. Tekhn. upr., 1962, 100 p. nomogra.
- RUSSIA (1917- R. S. F. S. R.) Gosudarstvennyi komitet po dolam mestnoi promyshlennosti i khudozhestvennykh promyslov. [Regulations on safety engineering and factory sanitation for meat and poultry processing plants, and glue and gelatin manufacturing enterprises] Pravila po tekhnike bezopasnosti i promyshlennoi sanitarii dlia masopereabatyvalushchikh ptitsepererabatyvalushchikh i klezhelatinyovykh predpriatii. Moskva, Gosmestpromizdat, 1962, 263 p.
- RUSSIA (1917- R. S. F. S. R.) Komissii po bureniiu. [Drilling in gas and gas-condensate fields] Burenie skvazhin na gazovykh i gazokondensatnykh mestorozhdeniakh; materialy vyezdnol sessii postoiannoi Komissii po bureniiu. Moskva, Gostoptekhzdat, 1962, 159 p.
- RUSSIA (1917- R. S. F. S. R.) Ministerstvo sel'skogo khoziaistva. [Collection V-55-2 (consolidated norms and estimates) rural construction and assembly work] Sbornik V-55-2 (ukrupnennye normy i raschenii) stroitel'nye i montazhnye raboty v sel'skoi mestnosti. Moskva. No. 2. [Walls of residential buildings] Steny zhilykh zdani. 1961, 25 p.
- RUSSIA (1917- R. S. F. S. R.) Moskovskii gorodskoi ekonomicheskii administrativnyi raion. Sovet narodnogo khoziaistva. [Protective and decorative coatings on objects of aluminum alloys] Zashchitno-dekorativnye pokrytiia izdelii iz aliuminiyovykh splavov. Moskva, TSentr. biuro tekhn. informatsii, 1961, 75 p.
- RUSSIA (1923- U. S. S. R.) Glavnoe energeticheskoe upravlenie. [Methodology for adjusting hydromechanical control equipment of hydroelectric power stations] Metodika naladki gidromekhanicheskoi apparatury avtomatiki GES. Moskva. Pt. 1. [Rotation relays and jet relays] Role oborotov i struiynyie rel'e. 1961, 36 p. [MICROFILM]
- RUSSIA (1923- U. S. S. R.) Glavnoe energeticheskoe upravlenie. [Temporary directives for determining the electrical loads of industrial enterprises] Vremennyye rukovodistachie ukazaniia po opredeleniiu elektricheskikh nagruzok promyshlennykh predpriatii. Moskva, Gosenergizdat, 1962, 45 p.
- RUSSIA (1923- U. S. S. R.) Glavnoe energeticheskoe upravlenie. [Temporary directives on the calculation of the foundations of overhead power-transmission line towers] Vremennyye rukovodistachie ukazaniia po raschetu fundamentov opor vozdukhnykh lini elektropredachii. Moskva, Gosenergizdat, 1962, 37 p.
- RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie goodezii i kartografi. [Safety rules for topographic and geodesic work. In effect from October 1, 1962] Pravila po tekhnike bezopasnosti na topografiko-geodezicheskikh rabotakh. Vvoditsia v deistvie s 1 oktiabria 1962 g. Moskva, Izd-vo geodez., lit-ry, 1962, 73 p.
- RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie grazhdanskogo vozdukhnogo flota. [Timetables of flights; international lines] Raspisanie dvizheniia samoletov; mezhduнародnye linii. [In p. Parallel texts in Russian and English] No. 1. [Winter 1961-1962] Zima. 1961-1962, 39 p. [PHOTOCOPY]
- RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie puti i sooruzhenii. [Technical processes in the major repair of track] Tekhnologicheskie protsessy proizvodstva rabot po kapital'nomu remontu puti. Moskva, Transzheldorizdat, 1962, 327 p.
- RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie signalizatsii i svyazi. [Safety engineering regulations for operating and servicing CTC and communication devices in a.c. electrified railroad districts. Standard instructions for electricians, repairmen, and workers on safety measures in the maintenance and repair of communication systems of a.c. electrified railroad districts] Pravila po tekhnike bezopasnosti pri obsluzhivani i remonte ustroystv STaB i svyazi na uchastkakh elektrolini peremennogo toka. Tipovaiia instrukttsiia elektromekhaniku, montiru i rabochemu po tekhnike bezopasnosti pri obsluzhivani i remonte ustroystv svyazi na uchastkakh elektrolini peremennogo toka. Moskva, Transzheldorizdat, 1962, 39 p.

- RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Basic regulations SN 223-62 concerning the standardization of three-dimensional plans and design details of industrial buildings] Osnovnye polozenia po unifikatsii ob'edno-planirovannykh i konstruktivnykh reshenii promyshlennykh zdani (SN 223-62) Moskva, 1962. 16 p.
- RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulations SN 231-62 for accident prevention at enterprises preparing reed and manufacturing reed slabs. In effect from January 1, 1963] Pravila tekhniki bezopasnosti na predpriyatiakh po zagotovke kamysha i izgotovleniu kamyshitovykh plit (SN 231-62) Moskva, 1962. 30 p.
- RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Temporary instructions SN 216-62 for designing and installing pile foundations made of short driven piles] Vremennye ukazaniya po projektirovaniu i ustroystvu svaynykh fundamentov iz korotkikh zabivnykh svai (SN 216-62) Moskva, 1962. 31 p.
- RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po khimii. [Temporary technical specifications for molded parts made of polyethylene of high density (low pressure) for delivery pipes made of polyethylene; MRTU 6 No. M-856-61] Vremennyye tekhnicheskie uslovia na fazonnye chasti iz polietilena vysokoi plotnosti (nizkogo davleniya) dlia napornnykh polietilennykh truboprovodov; MRTU 6 No. M-856-61. Moskva, Gosstroizdat, 1962. 10 p.
- RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po khimii. [Temporary technical specifications MRTU 6 No. M-821-61 for pressure pipes made of low-density polyethylene and MRTU 6 No. M-856-61 for pressure pipes made of high-density polyethylene] Vremennyye tekhnicheskie uslovia na trubny napornnye iz polietilena nizkoi plotnosti (MRTU 6 No. M-821-61) i na trubny napornnye iz polietilena vysokoi plotnosti (MRTU 6 No. M-856-61). Moskva, Gosstroizdat, 1962. 18 p.
- RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu. [Programs for individual and team training of mechanics for the assembly of airplane instrument equipment; commercial air fleet] Programmy dlia individual'noi i brigadnoi podgotovki komplektovshchikov priborov oborudovaniia samoletov; grazhdanskiy vozdukhnyi flot. Moskva, Proftekhizdat, 1962. 21 p.
- RUSSIA (1923- U.S.S.R.) Komitet po delam izobretenii i otkrytii. [Collection of inventions; holding and transporting machinery for agriculture] Sbornik izobretenii; pod'emno-transportnye sredstva dlia sel'skogo khoziaistva. Moskva, TSentr. biuro tekhn. informatsii, 1962. 67 p. (Sborniki otechestvennykh izobretenii)
- RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Checking of radio measuring devices; instructions] Poverka radioizmeritel'nykh priborov; sbornik instruktsii. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 355 p.
- RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Metal-cutting tools; cutters] Rezhushchii instrument; reztsy. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 48 p.
- RUSSIA (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Plastic containers; types, parameters, and principal dimensions; MN 3206-62 - MN 32-7-62] Sosudy iz plastmass; tipy, parametry i osnovnye razmery (MN 3206-62 - MN 32-7-62). Moskva, Standartgiz, 1962. 27 p. (SSSR. Normali mashinostroeniia)
- RUSSIA (1923- U.S.S.R.) Ministerstvo oborony. [Maintenance of the GAZ-51, GAZ-63, GAZ-69, and GAZ-69A motor trucks] Tekhnicheskoe obsluzhivanie avtomobilov GAZ-51, GAZ-63, GAZ-69 i GAZ-69A; rukovodstvo. Moskva, Voen. izd-vo M-va obor. SSSR, 1962. 150 p.
- RUSSIA (1923- U.S.S.R.) Ministerstvo oborony. [Maintenance of the ZIL-150, ZIL-164, ZIL-151 and ZIL-157 motor trucks] Tekhnicheskoe obsluzhivanie avtomobilov ZIL-150, ZIL-164, ZIL-151 i ZIL-157; rukovodstvo. Moskva, Voen. izd-vo M-va obor. SSSR, 1962. 125 p.
- RUSSIA (1923- U.S.S.R.) Ministerstvo sel'skokhoziaistvennogo mashinostroeniia. [Agricultural machines and their spare parts; a manual] Sel'skokhoziaistvennyye mashiny i dopolnye chasti k nim; spavochnik. 2, ispr. i zap. izd. Pod red. D. I. Solov'eva. Moskva, Mashgiz, 1962. 615 p.
- Book 1. [Machines for tillage, sowing, and planting, for plant protection, and for livestock farms] Mashiny dlia obrabotki pochvy, poseva, i posadki, dlia zashchity rastenii i dlia zhivotnovodcheskikh ferm. 1963.
- [RUSSIAN-RUMANIAN TECHNICAL DICTIONARY] Dictionar tehnic Rus-Romin. Bucharest, Editura tehnica, 1956. 1165 p.
- SABUROV, N. V., and N. V. ANTONOV. [Storing and processing fruit and vegetables] Khranenie i pererabotka plodov i ovoshchei. Moskva, Sel'khozizdat, 1962. 446 p. (Uchebniki i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)
- SAMOKHOTSKII, A. I. [Technology of the heat treatment of metals] Tekhnologiya termicheskoi obrabotki metallov. Moskva, Mashgiz, 1962. 427 p.
- SATIN, M. S., and V. R. KLEM. [Porous fine concretes hardened in autoclaves] Porizovannyye melkozernistyye betony avtoklavnogo tverdeniia. Leningrad, Gosstroizdat, 1962. 58 p.
- [SAVING OF MATERIALS AND NEW MATERIALS USED IN THE MACHINERY INDUSTRY] Ekonomiya materialov i novyye materialy, primenyaemye v mashinostroeni. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 18, No. M-57-124/4)
- SEDENKO, M. V. [Hydrogeology and engineering geology] Gidrogeologiya i inzhenernaia geologiya. Moskva, Gosgeotekhnizdat, 1962. 356 p.
- SEDOV, D. IA., A. T. NIKOLAENKO, and G. I. IUDITSKII. [Drilling rigs for sinking shafts and boreholes] Burovye ustanovki dlia prokhodka stvolov i skvazhin; spravochnik. Moskva, Gosgortekhnizdat, 1962. 363 p.
- SEMINSKII, V. K. [Cutting thread on lathes] Narezanie rezby na tokmennykh stankakh. Kiev, Gostekhnizdat USSR, 1962. 74 p. (Biblioteka tokaria)
- SERGEYEV, M. A. [Mechanization and automation of fitting and assembling operations] Mekhanizatsiia i avtomatizatsiia slozarno-sborochnykh rabot. [Leningrad] Lenizdat, 1962. 331 p.
- SHABURNIKOV, V. N. [Large-panel housing construction] Kropnopanel'noe domostroenie; iz opyta stroitel'stva v Chelabinske. Moskva, Gosstroizdat, 1962. 79 p. (Opyt zhilishchnogo stroitel'stva)
- SHAGOV, N. P. [Machinery and installations for the insulation of pipelines] Mashiny i ustanovki dlia izolatsii magistral'nykh truboprovodov. Moskva, Gostoptekhnizdat, 1962. 311 p.
- SHALUN, G. B. [Laminated plastics and glass plastics for the electric equipment industry] Stoitsye plastiki i stekloplastiki dlia elektrotekhnicheskoi promyshlennosti. Leningrad, 1962. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Sinteticheskie materialy, no. 7)
- SHCHERBAKOV, A. A. [Furfural] Furfural. Kiev, Gostekhnizdat USSR, 1962. 240 p.
- SHELUD'KO, I. M., P. I. HNYN, and V. R. MARYNY-CHENKO, comps. [Russian-Ukrainian dictionary on heat and gas engineering. 32,000 terms] Roslii'ukraints'kyi slovnyk z teplotekhniky ta gazotekhniky. 32 000 terminiv. Vidpovidal'nyi red. I. T. Shveta'. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 308 p.
- SHIKHOV, V. N. [Safety measures in handling radioactive substances] Tekhnika bezopasnosti pri rabote s radioaktivnyimi veshchestvami. Moskva, Mashgiz, 1962. 86 p.
- SHIPILIN, B. I. [Coremaking] Izgotovlenie sterzhnei. Izd. 2., Pod red. L. M. Volpanskogo. Moskva, Mashgiz, 1962. 81 p. (Nauchno-popul'narnaia biblioteka rabochego-litelskikh, no. 4)
- SHLIAPINTOKH, L. S. [Methodological aid in electrical engineering] Metodicheskoe posobie po elektrotekhnike; dlia prepodavatelei brigadnoi i individual'noi podgotovki stanochnikov na predpriyatiakh. Moskva, Proftekhizdat, 1962. 57 p.
- SHNAIDER, SH. M. [Manual for geological engineers on linear studies] Spravochnik inzhenera-geologa lineinykh izyskani. Leningrad, Gostoptekhnizdat, 1962. 284 p.
- SHRAGIN, S. M. [Refining oils with phenol] Ochistka masel fenolom. Leningrad, Gostoptekhnizdat, 1962. 84 p. (Biblioteka molodogo rabochego)
- SHYROM, V. V. [Machinery and equipment for the production of thermal-insulating building materials and elements] Mashiny i oborudovanie dlia proizvodstva teploizolatsionnykh stroitel'nykh materialov i izdelii. Moskva, Mashgiz, 1962. 133 p.
- SHUBENKO-SHUBIN, L. A., and others. [Strength of steam-turbine elements] Prochnost' elementov parovykh turbin. Pod red. L. A. Shubenko-Shubina. Moskva, Mashgiz, 1962. 587 p.
- SHUBNIKOV, A. K., and others. [Planning and linear programming of coal supplying] Planirovaniye i lineinoye programmirovaniye glesnabzheniia. Pod obsch. red. A. K. Shubnikova. Kiev, Gostekhnizdat USSR, 1962. 364 p.
- SHURALEV, M. V., and V. B. SKORNIKOV. [Cleaning and finishing of rolled products] Oidolka prokata. Sverdlovsk, Metallurgizdat, 1962. [MICROFILM]
- SHURUPOV, A. K., and M. A. FREIBERG. [Production of economical shape tubes] Proizvodstvo trub ekonomichnykh profilei. Sverdlovsk, Metallurgizdat, 1962. 296 p.
- SHVABKOVSKII, V. V. [Motor cyclist's manual for beginners] Uchebnik nachinalushchego mototsiklista. Izd. 4., perer. i dop. Moskva, Izd-vo "Fizkul'tura i sport", 1962. 181 p.
- SIDOROV, N. V. [Maintenance of electric clocks] Eksploatatsiia elektrochasovykh ustroystv. Izd. 2., perer. i dop. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 241 p.
- SIGAEV, A. V. [City thoroughfares for truck traffic] Gruzovyye magistrali goroda. Moskva, Gosstroizdat, 1962. 182 p.
- SKACHKOV, A. I. [Present-day methods of streetcar maintenance and repair] Sovremennyye metody tekhnicheskogo obsluzhivaniia tramvaynykh vagonov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 133 p.
- SKRIPOV, N. I. [Precast reinforced-concrete pavement on logging roads] Shornoe zhelezobetonnoe pokrytie na lesovoznykh dorogakh. Moskva, Goslesbumizdat, 1962. 132 p.
- SLAVIANSKII, V. T. [Automatic viscosimeter designed by the State Optical Institute] Avtomaticheskii viskozimetr GOI. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 32 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34, No. P-58-55/7)
- SMELIANSKII, M. IA., and others. [Vacuum arc furnaces and electronic melting plants] Vuzovyye vakuumnyye pechi i elektronnyye plavil'nye ustanoiki. Moskva, Metallurgizdat, 1962. 210 p.
- SMIRNOV, A. P., and B. N. KHODULIN. [Some problems in the technology and properties of high-strength sand concretes] Nekotorye voprosy tekhnologii i svoystv vysokoprotivnykh peschanykh betonov. Leningrad, 1962. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 22)
- SMIRNOV, A. S. [Technical improvements in well drilling and petroleum production] Tekhnicheskie usovershenstvovaniia v burenii skvazhin i dobyche nefti; iz opyta rabot sovmakhozov nefitanykh rayonov. Moskva, Gostoptekhnizdat, 1962. 127 p.
- SMIRNOV, V. M. [Automation and the fire safety of technological processes] Avtomatika i pozharnaya bezopasnost' tekhnologicheskikh protsessov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 100 p.
- SMOLIN, V. N. [Happiness through difficulties] Schast'e trudnykh dorog. Moskva, Voenizdat, 1962. 77 p.
- SOKOLIK, A. I., and A. I. STANILOVSKII. [OK-23 double-beam electronic oscillograph with mechanical scanning] Dvukhluchovoi elektronnyi oscillograf OK-23 s mekhanicheskoi razvorkoi. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1956. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35, No. P-58-20/3)
- SOKOLOV, A. A. [Fundamentals of electronics] Osnovy elektroniki. Moskva, Proftekhizdat, 1962. 105 p.
- SOLOKHA, A. A., P. A. KHROMETSKII, and A. G. FILATOV. [Quality control in repairing tractors and agricultural machines on collective farms] Kontrol' kachestva remonta traktorov i sel'skokhoziaistvennykh mashin v kolkhozakh. Moskva, Proftekhizdat, 1961. 166 p. (Biblioteka molodogo rabochego)
- SOSIANTS, V. G. [Present-day design and construction of street railways] Sovremennyye konstruktivnye tramvaynykh putei. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 147 p.

- SOVESHCHANIYE PO NOVYM PROTSESSAM OBRABOTKI METALLOV DAVLENIEM, Moscow, 1960. [Conference on new processes for the pressure working of metals. Materialy] Moskva, Izd-vo Akad. nauk SSSR, 1962. 186 p.
- SOVESHCHANIYE PO NOVYM PROTSESSAM OBRABOTKI METALLOV DAVLENIEM V MASHINOSTROENII, Moscow, 1960. [New processes for the pressure working of metals] Noveye protsessy obrabotki metallov davleniem; [materialy]. Moskva, Izd-vo Akad. nauk SSSR, 1962. 186 p.
- [SOVIET MAN IN OUTER SPACE] Sovetskii chelovek v kosmose. [Sost. S. Garbuzov, V. Gol'tsev] Moskva, Izvestiia, 1961. 157 p. (Biblioteka "Izvestiia") (RPD)
- SPEKTOR, O. SH. [Oxygen-flux cutting of stainless steel] Kislorodno-flusovaya rezka nerzhavushchikh staley, Moskva, Mashgiz, 1962. 159 p.
- STESHENKO, N. N. [Installation of flat wires] Montazh ploskikh provodov. Moskva, Gosenergizdat, 1962. 44 p. (Biblioteka elektromontera, no. 78)
- [STRENGTH OF CERAMIC METALS AND ALLOYS AT NORMAL AND HIGH TEMPERATURES] Prochnost' metallokeramicheskikh materialov i spлавov pri normal'nykh i vysokikh temperaturakh. [By] G. S. Pisarenko i dr. Kiev, Izd-vo Akad. nauk USSR, 1962. 274 p.
- SUSOV, V. S., and B. D. POPOV. [Precast transformer substations] Stroynye transformatornye podstantsii. Leningrad, 1962. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 24)
- SVERDLOV, M. I., and I. A. KHAVKIN. [Determining the suitability of thin-sheet materials for deep drawing] K voprosy opredeleniia prigodnosti tonkolistovykh materialov k glubokoi vytiazhke. Leningrad, 1962. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Gorlachaya i khlobochaya obrabotka metallov davleniem, no. 5)
- SVETLICHNYI, P. L. [Selection and use of electric equipment in a coal mine section] Vybor i ekspluatatsiia elektrooborudovaniia uchastka ugol'noi shakhty; spravochnik. Moskva, Gosgortekhzdat, 1962. 426 p.
- SYSOEV, V. I. [Handbook for a young drilling machine operator] Spravochnik molodogo sverlovshchika. Moskva, Proftekhizdat, 1962. 270 p.
- TAITS, B. A., and N. N. MARKOV. [Precision standards and control of gear wheels] Normy tochnosti i kontrol' zubchatykh kolez. Pod obshchei red. N. I. Kolchina. Moskva, Mashgiz, 1962. 103 p. (Biblioteka zuborozn, no. 6)
- TARASOV, F. I. [Frequency conversion tubes] Chastotopreobrazovatel'nye lampy. Moskva, Gosenergizdat, 1962. 31 p. (Massovaya radiobiblioteka, no. 455)
- [TECHNOLOGY IN THE MOTOR-VEHICLE AND TRACTOR INDUSTRY] Tekhnologiya avtotraktorostroeniia [By] D. P. Maslov i dr. Moskva, Mashgiz, 1962. 432 p.
- TIMOFEEVA, Z. A., and P. I. KHRENKOV. [Rolling of thin and narrow micron-section bands] Prokat tonkikh i uzkiikh lent mikronnykh sechenii. Leningrad, 1961. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Pribery i elementy avtomatiki, no. 11)
- [TIMES] Shiny. Izd. ofitsial'noe. Moskva, Standartgiz, 1969. 56 p. (SSSR. Gosudarstvennye standarty)
- TKACHENKO, E. A. [Contribution of the machine builders of Leningrad to agriculture] Mashinostroiteli Leningrada - sel'skomu khoziaistvu. [Leningrad] Lenizdat, 1962. 41 p.
- TROININ, M. F., and N. S. USHAKOV. [Manual for electricians] Spravochnaya kniga elektromontera. Pod red. N. S. Verevkina. [Leningrad] Lenizdat, 1962. 283 p.
- TSARITSYN, V. V., and N. A. ZHIDOVTSYEV. [Drilling with roller bits] Buroenie sharoshcheynymi dolotami. Kiev, Gostekhzdat USSR, 1962. 134 p.
- TSELYKOVSKII, P. F. [Public dining facilities] Obshchestvennoe pitanie; uchebnoe posobie po kursu "Ekonomika obshchestvennogo pitaniia." Leningrad, Leningr. in-t sovetskoi torgovli im. F. Engel'sa, 1962. 89 p.
- TSENTRAL'NAIA NAUCHNO-TEKHNIЧЕСКАЯ BIBLIOTEKA PISHCHEVOI PROMYSHLENNOSTI. [Automation and mechanization of production processes in the brewing and soft drinks industry; brief index of literature] Avtomatizatsiia i mekhanizatsiia proizvodstvennykh protsessov v pivovarennoi i bezalkogol'noi promyshlennosti; kratkii spisk literatury. Moskva, 1962. 47 p. (V pomoshch' novatoru)
- TSITSILASHVILI, M. IU., and V. S. PAVLOV. [Modern methods for the loading and unloading of unrefined sugar in harbors] Sovremennye sposoby peregruzki sakhara-syrtsa v portakh. Moskva, Izd-vo "Morakoi transport," 1962. 89 p. (Biblioteka obmena opytom na morskoi transporte)
- UDOVICHENKO, A. M. [Principles of radio communication and wire broadcasting techniques] Osnovy tekhniki provodnoi i radiosvazi. Moskva, Svyaz'izdat, 1962. 366 p.
- UKRAINE. Ministerstvo torgovli. [Processing and storing fruit and vegetables; collection of technological instructions, recipes, and production norms] Pererabotka i khranenie plodov i ovoshchei; sbornik tekhnologicheskikh instruktsii, retseptur i proizvodstvennykh normativov. 3., dop. i perer. izd. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 291 p.
- UKRAINSKII NAUCHNO-ISSEDOVATELSKII INSTITUT KONSERVNOI PROMYSHLENNOSTI. [Home canning and preserving] Domashnee konservirovaniye. 3., stereotipnoe izd. Kiev, Gostekhzdat USSR, 1962. 130 p.
- ULITSKII, I. I., S. V. KIREVA, and L. V. FANSTIL'. [Prestress losses from creep and shrinkage of the concrete in reinforced-concrete elements] Poteri predvaritel'nogo napriazheniia ot polzuchestii i usadki betona v zhelezobetonnykh konstruktsiakh. Kiev, Gosstroizdat USSR, 1962. 206 p. (Biblioteka inzhenera-konstruktora)
- UREVICH, A. B. [Mechanized unit for repairing the facades of building] Mekhanizirovannai ustanovka dlia remonta fasadov zdani. Leningrad, 1962. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 21)
- URTEV, V. P., and others. [Vacuum arc furnace] Dugovaya vakuumnaya pech'. Leningrad, 1962. 25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Liteinaia proizvodstvo, no. 5)
- VAINDOIM, D. I. [Automation of the welding of insertion parts in reinforced-concrete elements] Avtomatizatsiia svarki zakladnykh chastei zhelezobetonnykh konstruktsii. Leningrad, 1962. 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 19)
- VAINBOIM, D. I. [Electric plug welding under flux in an atmosphere of protective gases] Svarka elektro-zaklepkami pod fluxom i v srede zaschitnykh gazov. Leningrad, 1962. 46 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Svarka i palka metallov, no. 3)
- VASIL'EVA, N. P., and I. GASHKOVETS. [Logic elements in industrial automatic control systems] Logicheskie elementy v promyshlennoi avtomatike. Moskva, Gosenergizdat, 1962. 159 p. (Biblioteka po avtomatike, no. 68)
- VASIL'KOV, B. S. [Calculations for shells with asymmetrical contour] Raschet obolochek s nesimmetrichnym konturom. Moskva, Gosstroizdat, 1962. 122 p. [MICROFILM]
- VELDRE, INGEBORG. [Materials for the hygienic evaluation of waste waters of the shale industry] Materialy k gigienicheskoi otsenke stochnykh vod slantsevoi promyshlennosti. Tallinn, Akad. nauk Estonskoi SSR, 1962. 116 p. [With summaries in Estonian and German]
- VERIZHENKO, E. P., and I. A. LIVSHITS. [Statics of structures] Statika sooruzhenii. 3. izd. Moskva, Vysshaya shkola, 1962. 306 p.
- VESELOV, K. E., and I. L. VASIL'EVA. [KVG-1M gravimeter and its working principles] Gravimetr KVG-1M, printsip ustroistva i rabota s nim. Moskva, Gosgeoltekhizdat, 1962. 32 p.
- VIL'DAVSKII, I. M. [Design and operation of production lines for lot production of machinery and instruments] Proektirovaniye i ekspluatatsiia potochnykh lini vserilnom proizvodstve mashin i priborov. Moskva, Mashgiz, 1962. 219 p.
- VINOGRADOV, D. E. [Erection of towers for 110-500 kv. overhead power-transmission lines] Montazh opor lini elektroperedachi 110-500 kv. Moskva, Gosenergizdat, 1962. 193 p.
- VLASOV, A. S., and V. K. GOGOLIN. [Technical servicing of excavators] Tekhnicheskii ukhod za ekskavatorami. Pod red. A. K. Relsha. Moskva, Proftekhizdat, 1962. 147 p. (Biblioteka molodogo rabochego)
- VLASOV, V. Z. [Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Thin-walled elastic rods. Principles for the development of a general engineering theory of shells] Tonkostennyye uprugie stozhny. Printsipy postroeniia obshchei tekhnicheskoi teorii obolochek. 1963. 507 p.
- [VOLGA HYDROELECTRIC POWER STATION; a technical report on the design and construction of the Volga Hydroelectric Power Station (Leningrad, 1950-1958)] Volzhskaya gidroelektrostanitsiia; tekhnicheskii otchet o proektirovani i stroitel'stve Volzhskoi GES imeni V. I. Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergizdat. Vol. 2. [Organization and execution of construction and assembly work] Organizatsiia i proizvodstvo stroitel'no-montazhnykh rabot. Red. toma: N. V. Razin, A. V. Arngol'd, N. L. Triger. 1962. 591 p.
- VOLKOV, V. M. [Logarithmic amplifiers] Logarifmicheskie usiliteli. Kiev, Gostekhzdat, USSR, 1962. 243 p.
- VOLOTKOVSKII, S. A., and others. [Technical means for automation of the mining industry] Tekhnicheskie sredstva avtomatiki v gornoi promyshlennosti. Pod obshchei red. S. A. Volotkovskogo. Moskva, Gosgortekhzdat, 1962. 331 p.
- VOLPIANSKII, L. M. [Machine molding] Mashinnaya formovka. Izd. 3. Moskva, Mashgiz, 1962. 76 p. (Nauchno-populiarnaya biblioteka rabochego-litelschika, no. 7)
- VORONTSOV, G. V. [Numerical solution of problems in structural mechanics for rods by the mixed matrix method] Chislennoe resheniye zadach stozhnoi mekhaniki sterzhnei po matritsnomu smeshannomu metodu. Novocherkassk, Redaktsiia izdatel'skii otel NPI, 1962. 96 p. [MICROFILM]
- VOSKANIAN, V. A. [Laying pipelines outdoors] Prokladka naruzhnykh truboprovodov. Leningrad, Gosstroizdat, 1962. 204 p. (Seriia posobie dlia nachal'natschikh rabochikh)
- VOVK, A. A. [Blaster] Vzryvnik. Kiev, Gostekhzdat USSR, 1962. 214 p.
- VSESOUZNAIA MEZHVIUZOVSKAIA NAUCHNAIA KONFERENTSIYA NA TEMU: "PUTI POVYSHENIYA PROIZVODITEL'NOSTI GORN'NYKH PREDPRIIATII," 1960. [Transactions of the All-Union Interuniversity Conference held on October 1960 on the subject: "Ways of increasing productivity in mining"] Sbornik trudov. [Moskva] Vysshaya shkola, 1962. 517 p.
- VSESOUZNYI INSTITUT PO PROEKTIROVANIU ORGANIZATSII ENERGETICHESKOGO STROITEL'STVA "ORGNERGOSTROI," Moskovskii filial. [Album of drawings of stock equipment for the erection of structural elements] Albom chertezhei inventarnykh priisposoblenii dlia vozvadeniia stroitel'nykh konstruktsii. Moskva. Pt. 2. [Scaffolding, trestles, trench shoring] Lesa, podmosti, krepleniia transhei. Uvyezhen resheniem tekhnicheskogo upravleniia No. 61 ot 19 marta 1960 g. 1962. 113 p.
- VSESOUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT NERUDNYKH STROITEL'NYKH MATERIALOV I GIDROMEKHANIZATSIU. [Production of rock, gravel and sand for construction; present state and prospects for development] Proizvodstvo nerudnykh stroitel'nykh materialov; sostoiianie i perspektivy razvitiia. [By] A. A. Bardyshev i dr. Moskva, Gosstroizdat, 1962. 201 p.
- VULGAPOV, E. B. [Gears with modified initial rake contour] Zubchatyeperedachi modifitsirovannogo iskhodnogo reashnogo kontura. Moskva, Mashgiz, 1962. 98 p.
- [WOOLEN FABRICS AND PIECE GOODS] Tkanishevatiane i shtuchnye izdeliia. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 115 p. (SSSR. Gosudarstvennye standarty)

A 16-17

WORLD POWER CONFERENCE. U.S.S.R. National Committee. Tekhnicheskii slovar' po plofiam. Technical dictionary on dams. Moskva, Glav. red. inostr. nauchno-tekhn. slovar' Fizmatgiz, 1962. 379 p. [In 11 languages]

ZAIONCHIKOVSKII, E. A., M. NOVOTNY, and J. PEKAREK. [The MN-60 apparatus for international semi-automatic telephone communication] Apparatura poluavtomaticheskoi mezhdunarodnoi telefonnoi svyazi MN-60. Moskva, Svyaz'izdat, [1962] 212 p.

ZAKHAROV, N. N. [Problems in the establishment of technical labor norms for the machinery industry] Zadachnik po tekhnicheskomu normirovaniu truda v mashinostroenii; metodicheskie razrabotki i reshenia zadach. Moskva, Mashgiz, 1962. 398 p.

ZEL'DIN, E. A. [Impulse-type gas discharge lamps and their use] Gazovozrjadnye impul'snye lampy i ikh primeneniye; stenogramma teksta. Leningrad, 1961. 34 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Pribory i elementy avtomatiki)

ZELLER, WERNER. [Technique of noise control. Translated from the French] Tekhnika bor'by s shumom. Pod red. S. P. Alekseeva. Moskva, Gos. izd-vo lit-ry po stroit. arkhit. i stroit. materialam, 1953. 427 p. (C)

ZHDANOVA, A. V. [Mechanisms for the transmission of rotary motion] Mekhanizmy peredachi vrashchatelnogo dvizheniya. Moskva, Mashgiz, 1962. 78 p. (Nauchno-populiarnaya biblioteka molodogo rabotchego)

ZHUKOVSKAYA, Z. I., and others. [Use of natural gas in power engineering] Ispol'zovanie prirodnogo gaza v energetike. Minsk, Izd-vo Akad. nauk BSSR, 1962. 191 p.

ZHURAVLEV, V. N., and O. I. NIKOLAEVA. [Machinery steels] Mashinostroitel'nye stali; spravochnik dlia konstruktorov. Moskva, Mashgiz, 1962. 237 p. (Spravochnik konstruktora)

ZHUZE, V. P., and E. I. GUSENKOVA. [Bibliography on thermoelectricity; thermoelectric generators and coolers] Bibliografiya po termoelektricheskstvu; termoelektrogeneratory i okhlazhdatel'skiye ustroystva. Moskva, Izd-vo Akad. nauk SSSR, 1963. 249 p.

ZIMNEVA, E. M., and others. [Seawater corrosion of copper alloys] Morskaya korrozia mednykh splavov. Leningrad, Sudpromgiz, 1963. 64 p.

ZUBTSOV, M. E. [Foreign achievements in the field of sheet-metal work] Zarubezhnye dostizheniya v oblasti kholodnoi shtampovki. Pod red. V. P. Romanovskogo. Moskva, Mashgiz, 1962. 73 p. (Biblioteka shtampovshchika, no. 10)

17. MILITARY & NAVAL SCIENCES

ALEKSEEV, A. M., and A. K. SBOVOSKII. [Marine vibration dampers] Sudovye vibrogasiteli. Leningrad, Sudpromgiz, 1962. 193 p.

ANFILOV, V. A. [Early phase of the Great Patriotic War, June 22 - the middle of July, 1941; a study in military history] Nachalo Velikoi Otechestvennoi voyny, 22 iunia - sredina iulia 1941 goda; voenno-istoricheskii ocherk. Moskva, Voenizdat, 1962. 221 p.

BARATOV, G. F. [Population protection in an atomic, chemical, and bacteriological war] Zashchita naseleniya v usloviakh primeneniya atomnogo, khimicheskogo i bakteriologicheskogo oruzhiya. Pod obshch. red. I. P. Sokolov. Kiev, Gosmedizdat USSR, 1962. 423 p.

BUZANOV, A. A., and A. A. PECHATIN. [Engine operator's textbook] Uchebnoe posobie motorista. Moskva, Izd-vo DOSAAF, 1962. 291 p.

DRIGO, G. A. [If you get ahead, you will defeat the enemy] Upredil - vraga pobedit. Moskva, Voenizdat, 1962. 29 p. (Olichniki ucheby o svoem opyte)

EKONOMOV, L. A. [Sentinels of the sky] Chasovye neba. Moskva, Izd-vo "DOSAAF," 1962. 100 p.

FROLOV, A. S. [Over-all organization of the merchant marine and harbor operations; theoretical principles] Kompleksnaya organizatsiya raboty flota i portov; teoreticheskie osnovy. Moskva, Izd-vo "Morskoi transport," 1962. 229 p.

GALICH, I. I. [Electric control systems of ships] Sudovye elektricheskie ustanovki upravleniya. Leningrad, Sudpromgiz, 1962. 259 p.

GANTMAN, V. B. [Long voyages by boat] Na lodke v dal'nee plavanie. Moskva, Izd-vo DOSAAF, 1962. 228 p.

GORSHKOV, A. S., and A. A. RUSetskii. [Cavitation pipes] Kavitatsionnye truby. Leningrad, Sudpromgiz, 1962. 165 p.

IVOLIN, N. M. [Experience in combining professions on Ob' River motorships] Opyt sovmeshcheniya professii na teplokhodakh Obi. Moskva, Izd-vo "Rechnoi transport," 1962. 33 p.

KONOVALOV, V. V., and L. I. KUZNETSOVA. [Radio navigation equipment on ships] Sudovye radionavigatsionnye ustroystva. Moskva, Izd-vo "Morskoi transport," 1962. 374 p.

KRIVSKY, B., and others. [Night fighting. Abridged translation from the Czech] Nochnoi boi. Pod red. Petrenko V. I. A. Moskva, Voenizdat, 1963. 170 p.

KRYNITSKA, M. N. [Equipment for mounting operations on ships] Osnastka dlia montazhnykh rabot na sudakh. 2., izd., ispr. i dop. Leningrad, Sudpromgiz, 1962. 390 p.

KULIKOV, A. N. [Safety measures in the operation of marine-power plants; manual for inland navigation crews] Tekhnika bezopasnosti pri ekspluatatsii sudovykh silovykh ustanovok; posobie dlia plavatushego sostava sudov rechnogo flota. Ind. 2., perer. i dop. Moskva, Izd-vo "Rechnoi transport," 1962. 163 p.

KUTASIN, B. P. [Electronic and automatic control on ships] Sudovaya elektravtomatika. Moskva, Izd-vo "Morskoi transport," 1962. 407 p.

LARIONOV, I. N. [Pskov, a military outpost of the Russian land] Pskov - boevoi forpost russkoi zemli. Pskov, Izd-vo gazety "Pskovskaya pravda," 1961. [n. p.].

MARINSKII, E. P. [Fifteen centimeters to earth] Do Zemli 15 santimetrov. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. X Seriya: Molodezhnaya, no. 3)

MEZHVEDOMSTVENNOE SOVESICHANIE PO IZUCHENIU I NORMIROVANIU IZNOVOSUDOVYKH DVIGATELEI VNUTRENNIEGO SGOBANIYA. Leningrad, 1961. [Materials of the Interdepartmental Conference for the study and establishment of norms for the wear of marine internal combustion engines] Materialy. Moskva, Rybnoe khozaistvo, 1962. 195 p.

MIKHAILOV, A. D. [Airborne troops; based on materials in the foreign press] Vozdushnye desanty; po materialam inostrannoi pechati. Moskva, Voenizdat, 1962. 138 p.

MONASTYRSKII, F. V. [Earth soaked with blood] Zemlia, omytaia krov'iu. Moskva, Voenizdat, 1962. 226 p. (Voennye memuary)

MOREV, V. N. [Pentagon; notes of a Soviet journalist] Pentagon; zametki sovetskogo zhurnallista. Moskva, Gospolitizdat, 1963. 158 p.

MOSHIN, I. [Personal responsibility of a soldier for the defense of his native land] Lichnaya otvetstvennost' voina za zashchitu Rodiny. Moskva, Voen. Izd-vo M-va obr. SSSR, 1955. 58 p.

OYTEN, L. A. [How to conduct tactical drill exercises] Kak provodit' taktiko-stroevye zaniatia. Moskva, Voenizdat, 1962. 44 p.

POPAD'KO, I. I., and D. A. URUMIN, comps. [Rocket weapons of capitalist countries; based on materials of the foreign press for 1960-1962] Rakety oruzhiya kapitalisticheskikh stran; po materialam zarubezhnoi pechati, 1960-1962 gg. Moskva, Voenizdat, 1962. 247 p. (Biblioteka v pomoshch' ofitseru)

POPKOV, I. F. [General sailing directions for inland waterways] Obshchaya totalnaya vnutrennikh vodnykh putei. Izd. 2., dop. i perer. Moskva, Izd-vo "Rechnoi transport," 1962. 277 p.

RUSSIA (1917- U.S.S.R.) Glavnoe upravleniye vodnykh putei i gidrotekhnicheskikh zdaniy. [Practical manual on channel improvement operations in inland waterways] Prakticheskoe posobie po predavaniyu vypravleniynykh rabot na vnutrennikh vodnykh putyakh. Leningrad, Izd-vo "Rechnoi transport," 1962. 275 p.

RUSSIA (1923- U.S.S.R.) Armia. Sokhuzhnyye voiska. Upravleniye boevoi podgotovki voisk i strelkovykh voisk. [Methods of preparation to use weapons; firing and grenade launchers] Metodika oboevoi podgotovki, strelkovoe oruzhie i granatomy. Moskva, Voenizdat, 1962. 310 p.

RUSSIA (1923- U.S.S.R.) Ministerstvo obrony. [Drill manual of the Armed Forces of the U.S.S.R.] Strovoi ustav Vooruzhennykh sil SSSR. Moskva, Voen. Izd-vo M-va obrony SSSR, 1963. 170 p.

SAMSONOV, A. M. [Great battle on the Volga River] Volkova bitva na Volgo. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. I Seriya: Istoriya, no. 3)

SEMEV, N. N. [Be alert! Read to battle!]. Moskva, Izd-vo DOSAAF, 1962. 93 p.

SOKOLOV, A. V. [DTM high-speed trench digging machine] Dystrokhodnaya transhekanaya mashina BTM. Moskva, Voenizdat, 1962. 160 p. (Za voenno-tekhnicheskoe znanie)

[THE SOLDIER SERVES HIS NATIVE LAND] Starshii Rodinovskii. Moskva, Izd-vo "Travda," 1963. 62 p. (Biblioteka "Komsomolskoi pravdy," no. 2)

SOROKIN, Z. A. [Friends in arms; essays] Druzhba odnopolchano; ocherki. Moskva, Voenizdat, 1962. 115 p.

STEN'KO M. I., A. I. MAMYSII, and I. N. IZBAKOVskii. [The oldest in the South; outline history of the Taganrog Ship-Repair Plant] Stareishii na Ugre; ocherk istorii Taganrogskogo sudoremontnogo zavoda. [Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1961] 128 p. (Istoriya fabrik i zavodov Donu)

TUMAS, V. A. [Control of small units in modern battle; company, platoon, squad] Upravleniye podrazdeleniyami v sovremennom boiu (rta, vzvod, otdeleniye). Moskva, Voenizdat, 1962. 99 p.

VLASOV, G. I. [A second life for tanks] Tankam - vtoruiu zhizn'. Moskva, Voenizdat, 1962. 109 p. (Olichniki ucheby - o svoem opyte)

VOLODIN, N. V., comp. [English-Russian military engineering dictionary; some 33,000 words] Anglii-russkii voenno-inzhenernyi slovar'. Okolo 33,000 terminov. Moskva, Voenizdat, 1962. 783 p.

VOROZHEIKIN, A. V. [Over the Kursk arch] Nad Kurskoi dugo. Moskva, Voenizdat, 1962. 262 p. (Voennye memuary)

ZHILINSKII, K. I. A. [Heat insulation of ships] Sudovaya teploizolatsiya. Izd. 2., perer. i dop. Leningrad, Sudpromgiz, 1962. 404 p.

PART B—PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

1. GENERAL

a. SCHOLARLY JOURNALS

- AKADEMIA NAUK ARMIAKSKOI SSR**, Erivan, *Izvestiya. Obshchestvennye nauki* [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Social Sciences]. Erivan, no. 11, Nov. 1960.
- AKADEMIA NAUK AZERBAIDZHANSKOI SSR**, Baku, *Izvestiya. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk* [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Bulletin. Series in the Physical, Mathematical, and Technological Sciences]. Baku, no. 4, 1962.
- AKADEMIA NAUK GRUZINSKOI SSR**, Tbilisi, *Abkhazskii institut iazyka, literatury i istorii, Sukhumi. Trudy* [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Abkhazian Institute of Language, Literature, and History. Transactions]. Sukhumi, vol. 32, 1961. [In Russian and Georgian.]
- AKADEMIA NAUK KIRGIZSKOI SSR**, Frunze, *Izvestiya. Seriya obshchestvennykh nauk* [ACADEMY OF SCIENCES OF THE KIRGIZ S.S.R. Bulletin. Series in the Social Sciences]. Frunze, vol. 2, no. 2, 1960.
- AKADEMIA NAUK MOLDAVSKOI SSR**, *Izvestiya* [ACADEMY OF SCIENCES OF THE MOLDAVIAN S.S.R. Bulletin]. Kishinev, no. 7, 1962.
- AKADEMIA NAUK SSSR**, *Vestnik* [ACADEMY OF SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 33, no. 2, Feb. 1963.
- AKADEMIA NAUK SSSR**, *Kareliiskii filial, Petrozavodsk. Trudy* [ACADEMY OF SCIENCES OF THE U.S.S.R. Karelian Branch. Transactions]. Petrozavodsk, nos. 33, 35, 1962.
- AKADEMIA NAUK TADZHIKSKOI SSR**, Dushanbe, *Doklady* [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Reports]. Dushanbe, vol. 3, nos. 3, 5, 1960. [MICROFILM]
- AKADEMIA NAUK TADZHIKSKOI SSR**, Dushanbe, *Trudy* [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Transactions]. Dushanbe, vol. 107, 1962. Contents: Khromov, A. L. [Dialects of the Tajika in Matcha District]. Govory tadzhikov Matchinskogo raiona. 214 p.
- EESTI NSV TEADUSTE AKADEEMIA**, Toimetised, *Uhiskehteaduste seeria. Izvestia Akademii nauk Estonskoi SSR. Seriya obshchestvennykh nauk* [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin. Series in the Social Sciences]. Tallinn, vol. 12, no. 1, 1963.
- KAZAN, UNIVERSITET**, *Uchenye zapiski* [UNIVERSITY. Studies]. Vol. 120, no. 6, 1960. *Trudy Obshchestva estestvoispytatelei* [Transactions of the Society of Naturalists], vol. 63.
- LENINGRAD, UNIVERSITET**, *Uchenye zapiski* [UNIVERSITY. Studies]. No. 395, 1961. *Seriya vostokovedcheskikh nauk* [Series in Oriental Studies], no. 12, No. 396, 1962. *Seriya vostokovedcheskikh nauk* [Series in Oriental Studies], no. 16, No. 316, 1962. *Seriya geograficheskikh nauk* [Series in the Geographical Sciences], no. 17.

LENINGRAD, UNIVERSITET, *Vestnik* [UNIVERSITY. Review]. Vol. 17, no. 24, 1962. *Seriya geologii i geografii* [Series in Geology and Geography], no. 4, Vol. 18, no. 2, 1963. *Seriya istorii, iazyka i literatury* [Series in History, Language, and Literature], no. 1, Vol. 18, no. 3, 1963. *Seriya biologii* [Series in Biology], no. 1.

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna, *Darbai. Serija A. Trudy Akademii nauk Lietuvos SSR. Serija A* [ACADEMY OF SCIENCES OF THE LITHUANIAN S.S.R. Transactions. Series A]. Vilnius, no. 2(13), 1962; no. 1(14), 1963.

MOSCOW, MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT, *Uchenye zapiski* [MOSCOW STATE PEDAGOGICAL INSTITUTE. Studies]. Vol. 174, 1961. *Kafedra sovetskoi literatury* [Department of Soviet Literature], no. 3.

NALCHIK, KABARDINO-BALKARSKII GOSUDARSTVENNYI UNIVERSITET, *Uchenye zapiski* [KABARDINO-BALKAR STATE UNIVERSITY. Studies]. No. 11, 1961.

OBSHCHESTVENNYE NAUKI V UZBEKISTANE [SOCIAL SCIENCES IN UZBEKISTAN]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, no. 12, 1962.

SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIIA, 1955-1958. *Informatsionnyi buileten'* [SOVIET ANT-ARCTIC EXPEDITION, 1955-1958. Information Bulletin]. Leningrad, nos. 33-34, 1962.

UKRAINS'KA VIL'NA AKADEMIJA NAUK, *Seriya: Litopys* [UKRAINIAN FREE ACADEMY OF SCIENCES. Series: Chronicle]. Winnipeg, no. 21, 1963.

UZHGOROD, UNIVERSYTET, *Naukovi zapysky* [UNIVERSITY. Studies]. Vol. 42, 1960. *Dialektologichnyi zbirnyk* [Dialectological Papers], no. 4. Contents: Dzondzelivs'kyi, I. O. [Linguistic atlas of Ukrainian dialects in Transcarpathian Province of the Ukrainian S.S.R.; vocabulary] *Lingvistichnyi atlas ukrains'kykh narodnykh hovoritv Zakarpats'koi oblasti URSR*; lekyska. Part 2. 9 p. mapa

b. POPULAR MAGAZINES

AZIA I AFRIKA SEGODNIA [ASIA AND AFRICA TODAY]. Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb.-March 1963.

BARVINOK [PERRINKLE]. Issued by Tsentral'nyi komitet Lenins'kogo komunisticheskogo soluzna molodi Ukrainy and Respublikanskaya rada Vsesoluznoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, nos. 2-3, Feb.-March 1963.

BELARUS [WHITE RUSSIA]. Minsk, vol. 20, no. 2(223), Feb. 1963.

BERNIBA [CHILDHOOD]. Issued by Latvijas Lenins komunistiskas jaunatnes savienibas Centrala komiteja and Lenins pioneru organizacijas Latvijas republikas padome [Central Committee of the Lenin Communist Youth League of Latvia and the Republic Council of the Lenin Pioneers of Latvia]. Riga, no. 9, Sep. 1962. [In Latvian]

BIAROSKA [THE LITTLE BIRCH]. Issued by Tsentral'nyi komitet Leninskago komunisticheskogo soluzna molodzi Belarusi and Respublikanski Savet pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers]. Minsk, vol. 39, no. 2, Feb. 1963.

DADZIS [THISTLE]. Riga, nos. 3(147)-4(148), 1963. [In Latvian]

DRUZHNO VPERED [FORWARD TOGETHER]. Issued by Kul'turna spilka ukrains'kykh trudiaschchykh Chekhoslovachchyn [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol. 13, nos. 1(173)-2(174), Jan.-Feb. 1963. [In Ukrainian]

KAPKAN, *chuvashskii satiricheski zhurnal* [TRAP; Chuvash Satirical Magazine]. Cheboksary, vol. 23, nos. 2(419)-4(421), Jan.-Feb. 1963. [In Chuvash]

KHOPRUSHTAK [HEDGEHOG]. Dushanbe, no. 2(117), Feb. 1963. [In Tajik]

KIRPI [HEDGEHOG]. Baku, no. 4(256), Feb. 1963. [In Azerbaijani]

KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh iazykakh [Publishing House for Literature in Foreign Languages]. Peking, no. 3, 1963.

KOREIA [KOREA]. Pyongyang, no. 1(78), 1963.

KOSTER [CAMP FIRE]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo komunisticheskogo soluzna molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, no. 2, Feb. 1963.

KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda," Moscow, vol. 41, nos. 4(1690)-7(1693), 9(1695), Feb.-March 1963.

KULTUUR JA ELU [CULTURE AND LIFE]. Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametühingute Nõukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinn, vol. 6, no. 3, March 1963. [In Estonian]

KYIV [KIEV]. Published by Bohdan Romanenchenko. Philadelphia, vol. 13, no. 5/6(74-75), Sep.-Dec. 1962.

LIESMA [FLAME]. Issued by Latvijas LKSJ Centrala komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no. 2, Feb. 1963. [In Latvian]

MEDENIET ZHENE TURMYS [CULTURE AND LIFE]. Issued by Ministerstvo kultury Kazakhskoi SSR [Ministry of Culture of the Kazakh S.S.R.]. Alma-Ata, no. 1, Jan. 1963. [In Kazakh]

MURZILKA. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo komunisticheskogo soluzna molodezhi and Tsentral'nyi sovet Vsesoluznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V. I. Lenin All-Union Pioneer Organization]. Moscow, no. 2, Feb. 1963.

MUSITUM [PUNCH]. Tashkent, vol. 41, nos. 3(645)-5(646), Feb.-March 1963. [In Uzbek]

NOORUS [YOUTH]. Issued by Eesti NSV Leniliku Kommunistliku Noorsoouhingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, vol. 18, nos. 2(186)-3(197), Feb.-March 1963. [In Estonian]

B 1b-2a

- NOVAIA KOREIA [NEW KOREA]. Published by Izdatel'stvo literatury na inostrannykh yazykakh [Foreign-Language Publishing House]. Pyongyang, no. 1(178), 1963.
- NOVOSTI KOREI [NEWS OF KOREA]. Issued by Tsentral'noe telegrafnoe agentstvo Korei [Central Telegraph Agency of Korea]. Pyongyang, vol. 5, no. 29, Oct. 1962.
- OGONEK [THE LITTLE LIGHT]. Moscow, vol. 40, no. 51(1852), Dec. 1962.
- OTVETY NA VOPROSY TRUDIASHCHIKHSIA [REPLIES TO WORKERS' QUESTIONS]. Moscow, no. 11(144), Nov. 1962.
- PERETS [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol. 23, nos. 4 (495)-5(496), Feb.-March 1963.
- PILT JA SONA [PICTURE AND WORD]. Tallinn, vol. 18, no. 2(200), Feb. 1963. [In Estonian]
- PIONEER [PIONEER]. Issued by ELKNU Keskkomitee and Eesti NSV Pioneerorganisatsioon Nõukogu [Central Committee of the Lenin Communist Youth League of Estonia and the Council of the Pioneers of the Estonian S.S.R.]. Tallinn, vol. 21, nos. 2(244)-3(245), Feb.-March 1963. [In Estonian]
- PIONER [PIONEER]. Erikan, no. 2, Feb. 1963. [In Armenian]
- PIONER [PIONEER]. Issued by the Central Committee of the Turkmenistan Communist Youth League of Lenin. Ashkhabad, no. 9, Sep. 1962. [In Turkmen]
- PIONER [PIONEER]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soiuza molodezhi i Tsentral'nyi sovet Vsesoluznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 40, nos. 2-3, Feb.-March 1963.
- PIONERIJA [PIONEERS]. Issued by Tsentral'nyi komitet Lenins'koho komunistychnoho soiuza molodi Ukrainy i Respublikans'ka Rada Vsesoluznoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol. 40, nos. 2(471)-3(472), Feb.-March 1963.
- POL'SHA [POLAND]. Warsaw, no. 2(102), 1963.
- RAHOE-KREST'IANSKII KORRESPONDENT [WORKERS' AND PEASANTS' CORRESPONDENT]. Published by Izd-vo [Publishing House] "Pravda." Moscow, no. 3, March 1963.
- RODINA [OUR COUNTRY]. Issued by Komitet za vovrascheniia na Rodinu i razvitie kul'turnykh svyazei s sootchestvennikami [Committee for Repatriation and Development of Cultural Relations with our Country-men]. Berlin, vol. 5, no. 1(23), Jan.-Feb. 1963.
- RODNYE DALI [BELOVED VISTAS]. Hollywood, Calif., vol. 9, nos. 103, 105, Oct., Dec. 1962; vol. 9, no. 107, Feb. 1963.
- ROVESNIK [CONTEMPORARY]. Issued by TsK VLKSM and Komitet molodezhnykh organizatsii SSSR [Central Committee of the All-Union Communist Youth League of Lenin and the Committee of Youth Organizations of the U.S.S.R.]. Moscow, nos. 1(7)-2(8), Jan.-Feb. 1963.
- RUSSKOE SLOVO V KANADE [THE RUSSIAN WORD IN CANADA]. Issued by Russkoe kul'turno-prosvetitel'-noe obshchestvo v g. Toronto [Russian Culture Club in Toronto]. Toronto, vol. 11, no. 106, Sep. 1962.
- SEL'SKAIA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 30, nos. 2-3, Feb.-March 1963.
- SHMEL' [BUMBLEBEE]. Alma-Ata, vol. 7, no. 2(85), Feb. 1963. [In Kazakh]
- SLUOTA [THE BROOM]. Issued by Lietuvos komunistu partijos Centro komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 3(202), 5(204), Feb.-March 1963. [In Lithuanian]
- SOGLASIE [CONCORD]. Los Angeles, Calif., vol. 12, no. 137, Feb. 1963.
- SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE]. Organ of Ministerstvo kul'tury URSS [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, no. 2, Feb. 1963.
- SOVETSKII SOIUZ [SOVIET UNION]. Moscow, no. 9(151), 1962; no. 3(157), 1963.
- SOVREMENNAIA MONGOLIA [CONTEMPORARY MONGOLIA]. Ulan Bator, vol. 7, nos. 7(54), 9(56)-11(58), July, Sep.-Nov. 1962.
- SVYTYURY [THE LIGHTHOUSE]. Vilnius, vol. 15, no. 4(340), Feb. 1963. [In Lithuanian]
- UKRAINA [THE UKRAINE]. Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, no. 13(316), July, 1962; no. 1(328), Jan. 1963.
- UKRAINS'KE TOVARYSTVO DRUZHBY I KUL'TURNOHO ZV'IAZKU Z ZARUBIZHNYMY KRAINAMY. Po radians'kii Ukraini; fotokhronika [UKRAINIAN SOCIETY FOR FRIENDSHIP AND CULTURAL RELATIONS WITH FOREIGN COUNTRIES. Through Soviet Ukraine; Photo Report]. Kiev, no. 11, 1961; nos. 5-6, 1962; no. 1, 1963.
- URAL'SKII SLEDOPYT [URAL PATHFINDER]. Issued by Sverdlovskoe otdelenie Soiuza pisatelei i Sverdlovskii obkom VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Committee of the All-Union Communist Youth League of Lenin]. Sverdlovsk, vol. 5, no. 12, Dec. 1962.
- UZBEKISTON [UZBEKISTAN]. Tashkent, vol. 22, no. 1(253), Jan. 1963.
- VESELKA THE RAINBOW. Published by Ukrainian National Association. Jersey City, vol. 9, no. 10(98), Oct. 1962.
- V'ETNAM [VIETNAM]. Hanoi, Vietnam, no. 2(65), 1963.
- VOZHYK [HEDGEHOG]. Minsk, vol. 23, nos. 3(553)-4(554), Feb. 1963.
- VSESVIT. THE UNIVERSE. Neu-Ulm, vol. 6, no. 2(56), Feb. 1963.
- VYZVOL'NYI SHLIKH [LIBERATION PATH]. London, vol. 10(18), no. 2/108(182), Feb. 1963.
- ZHIZN' GLUKHIKH [LIFE OF THE DEAF]. Issued by Vserossiiskoe obshchestvo glukhiikh [All-Russian Society of the Deaf]. Moscow, vol. 16, nos. 2-3, Feb.-March 1963.
- ZVAGZNE [THE STAR]. Riga, vol. 13, nos. 3(301)-5(303), Feb.-March 1963. [In Latvian]

2. BIBLIOGRAPHY

a. BIBLIOGRAPHY

- AKADEMIA NAUK SSSR. Biblioteka. Novye inostrannye knigi, postupivshie v sistemu biblioteki [ACADEMY OF SCIENCES OF THE U.S.S.R. Library. New Foreign Books Received by the Library System]. Moscow, no. 5(120), 1962; no. 2(129), 1963.
- BIBLOS; ZHURNAL UKRAINS'KOI BIBLIOGRAFI [JOURNAL OF UKRAINIAN BIBLIOGRAPHY]. New York, vol. 9, nos. 1/2(92-93)-3/4(94-95), Jan.-Apr. 1963.
- INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIIH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaia biblioteka SSSR [State Library of the U.S.S.R.]. Moscow, vol. 7, nos. 5-6, March 1963.
- JAUNAS GRAMATAS [NEW BOOKS]. Riga, nos. 1(55)-2(56), Jan.-Feb. 1963. [In Latvian]
- KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoluznata knizhnai palata [All-Union Book Chamber]. Moscow, nos. 7-10, 1963. Vspomogatel'nye ukazateli k nos. 40-52 za 1962 god [Indexes to nos. 40-52 for 1962]
- Dopolnitel'nyi vypusk [Supplementary Issue], no. 1, 1963. Vspomogatel'nye ukazateli k nos. 10-12 za 1962 god [Indexes to nos. 10-12 for 1962]
- LATVIJAS PSR PRESES HRONIKA. LETOPIS' PECHATI LATVISSKOI SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S.S.R.]. Issued by Latvijas PSR gramatu palata [Book Chamber of the Latvian S.S.R.]. Riga, no. 12, Dec. 1962.
- LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoluznata knizhnai palata [All-Union Book Chamber]. Moscow, Vspomogatel'nye ukazateli k nos. 10-12 za 1962 god [Indexes to nos. 10-12 for 1962]
- LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoluznata knizhnai palata [All-Union Book Chamber]. Moscow, nos. 9-11, 1963.
- MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seria 1: Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological, and Geographical Sciences; Technology and Technological Sciences]. Vol. 8, nos. 7-8, March 1963.
- MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seria 2: Biologicheskie, meditsinskie i sel'skokhoziaistvennye nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]. Vol. 6, nos. 5, 7-8, Feb.-March, 1963.
- MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seria 3: Obshchestvennye nauki, khudozhestvennaia literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]. Vol. 6, nos. 7-8, March, 1963.
- NAUJOS KNYGOS [NEW BOOKS]. Vilnius, no. 6(24), Nov.-Dec. 1963. [In Lithuanian]
- NOVAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE ZA RUBEZHOM [NEW LITERATURE ON SCIENCE AND RESEARCH ABROAD]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3, 11, 1962.
- NOVAIA LITERATURA PO CHEKHOSLOVAKII [NEW LITERATURE ON CZECHOSLOVAKIA]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, 1962.
- NOVAIA LITERATURA PO GERMANSKOI DEMOKRATICHESKOI RESPUBLIKE [NEW LITERATURE ON THE GERMAN DEMOCRATIC REPUBLIC]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, 1962.
- NOVAIA LITERATURA PO RUMYNII [NEW LITERATURE ON RUMANIA]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1962.
- NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO STRANAM ZARUBEZHNOGO VOSTOKA [NEW SOVIET AND FOREIGN LITERATURE ON THE COUNTRIES OF THE NON-SOVIET EAST]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, 1962.
- NOVAIA SOVETSKAIA LITERATURA O NAUKE I NAUCHNO-ISSLEDOVATEL'SKOI RABOTE V SSSR [NEW SOVIET LITERATURE ON SCIENCE AND GENERAL RESEARCH IN THE U.S.S.R.]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, 1962.
- NOVYE KNIGI [NEW BOOKS]. Issued by Vsesoluznata knizhnai palata [All-Union Book Chamber]. Moscow, nos. 9-13, Feb.-March 1963.
- NOVYE KNIGI ZA RUBEZHOM. Seria V: Biologiya, meditsina, sel'skoe khoziaistvo [NEW FOREIGN BOOKS. Series V: Biology, Medicine, Agriculture]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 7, nos. 2-3, Feb.-March 1963.

NOVYE KNIGI ZA RUBEZHOM PO OBSHCHESTVENNYM NAUKAM; ekonomika, filosofiya, istoriya, mezhduнародnye otnosheniya [NEW FOREIGN BOOKS ON THE SOCIAL SCIENCES; Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 8, no. 3, March 1963.

SARATOV, UNIVERSITET. Nauchnaya biblioteka. Bibliografiya Saratovskoi oblasti [UNIVERSITY, Research Library. Bibliography of Saratov Province]. No. 5, 1961.
Contents: Akhkurina, R. M., Biblio, I. O. [Climate and continental waters in the southeastern area of the European part of the U.S.S.R.; bibliography] Klimat i vody sushii Ugo-Vostoka Evropeiskoi chasti SSSR; bibliograficheski ukazatel'. 267 p.

SVODNYI BULLETEN' NOVIKH INOSTRANNYKH KNIG, POSTUPIVSHIKH V BIBLIOTEKI SSSR. Seriya A: Estestvennye nauki, meditsina, sel'skoe khoz'yaistvo, tekhnika [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U.S.S.R. Series A: Natural Sciences, Medicine, Agriculture, Technology]. Moscow, no. 6(70), 1962.

V MIRE KNIG [IN THE WORLD OF BOOKS]. Organ of Ministerstva kul'tury SSSR i RSFSR [Ministry of Culture of the U.S.S.R. and the R.S.F.S.R.]. Moscow, vol. 2, nos. 8, 10, Aug., Oct. 1962.

c. PRINTING & THE BOOK TRADE

MOSCOW, NAUCHNO-ISSEDOVATELSKII INSTITUT POLIGRAFICHESKOGO MASHINOSTROENIA. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF PRINTING MACHINERY MANUFACTURE. Transactions]. No. 14, 1961.

POLIGRAFICHESKOE PROIZVODSTVO [PRINTING INDUSTRY]. Organ of Ministerstva kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, no. 11, Nov. 1962.

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravleniye Soluz pechat' Ministerstva svyazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, nos. 1, 12, Jan., Dec. 1962; no. 1, Jan. 1963.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

AKADEMIA NAUK GRUZINSKOI SSR, Tiflis, Institut filosofii, Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R., Institute of Philosophy. Transactions]. Tiflis, vol. 11, 1962.

AKADEMIA NAUK GRUZINSKOI SSR, Tiflis, Institut psikhologii, Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R., Institute of Psychology. Transactions]. Tiflis, vol. 13, 1962.

NOVAIA INOSTRANNAIA LITERATURA PO FILOSOFII [NEW FOREIGN LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, 1962.

NOVAIA SOVETSKAIA LITERATURA PO FILOSOFII [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1962.

VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 2, 1963.

*VOPROSY PSIKHOLOGII [PROBLEMS OF PSYCHOLOGY]. Issued by Akademiya pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, no. 8, Nov.-Dec. 1962.

b. RELIGION

DUKHOVNOE PROBUZHDENIE [SPIRITUAL AWAKENING]. Izhitski, vol. 42, nos. 2-3, 1963.

NAUKA I RELIGIYA [SCIENCE AND RELIGION]. Issued by Vsesoyuznoe obshchestvo po rasprostraneniya politicheskikh i nauchnykh znaniy [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 4, no. 1, Jan. 1963.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO VOPROSAM RELIGII I ATEIZMA [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF RELIGION AND ATHEISM]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3, 9-10, 1962.

ORTHODOX EASTERN CHURCH, RUSSIAN. Patriarch, Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]. Moscow, no. 12, Dec. 1962; nos. 1-2, Jan.-Feb. 1963.

RIDNA TSEKVA [OUR BELOVED CHURCH]. Issued by Bogoslov'sko-naukovyi instytut Ukrain's'koi avtokefal'noi pravoslavnoi tserkvi na chuzhyntsi [Theological Institute of the Ukrainian Autocephalous Orthodox Church Abroad]. Munich, vol. 12, no. 53, Jan.-March 1963.

SVITLO. THE LIGHT. Issued by O.O. Vasyliany [The Basilian Fathers]. Toronto, vol. 26, no. 2(452), Feb. 1963.

UKRAINS'KE PRAVOSLAVNE SLOVO. UKRAINIAN ORTHODOX WORD. Organ of the Ukrainian Orthodox Church of the United States of America. South Bound Brook, N.J., vol. 13, nos. 10, 12, Oct., Dec. 1962; vol. 14, nos. 2, 4, Feb., Apr. 1963.

VECHNOE [THE ETERNAL]. Paris, nos. 2(102)-4(104), Feb.-Apr. 1963.

VIRA I KUL'TURA. FAITH AND CULTURE. Organ of Ukrain's'ke naukove bohoslava's'ke tovarystvo [Ukrainian Theological Society]. Winnipeg, vol. 26, no. 2(110), Dec. 1962.

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo dlia poshyrennia politychnykh i naukovykh znaniy Ukrain's'koi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol. 3, no. 2(29), Feb. 1963.

4. HISTORY

a. GENERAL

BAKU. MUZEI ISTORII AZERBAIDZHANA. Trudy [MUSEUM OF THE HISTORY OF AZERBAIJAN. Transactions]. Vol. 5, 1962.

INSTITUT ZUR ERFORSCHUNG DER UdSSR. Issledovaniya i materialy. INSTITUTE FOR THE STUDY OF THE U.S.S.R. [Investigations and Materials]. Munich, ser. 2, no. 80, 1962.
Contents: Filipov, A. P. [Russian ideology after the death of Stalin] O sovetskoi ideologii posle Stalina, 46 p.

ISTORICHESKII ARKHIV [HISTORICAL ARCHIVES]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 6, Nov.-Dec. 1962.

KALENDAR' ZNAMENATEL'NYKH I PAMIATNYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaya Rossiya" and Gosudarstvennaya publikatsionnaya istoricheskaya biblioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the R.S.F.S.R.]. Moscow, vol. 8, no. 3, March 1963.

MOSCOW, GOSUDARSTVENNYI ISTORIKO-ARKHIVNYI INSTITUT. Trudy [STATE INSTITUTE OF HISTORY AND ARCHIVES. Transactions]. Vol. 16, 1961.

NARODY AZII I AFRIKI; istoriya, ekonomika, kul'tura [PEOPLES OF ASIA AND AFRICA; History, Economics, Culture]. Issued by Institut narodov Azii i Instituta Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and Institute of Africa of the Academy of Sciences of the U.S.S.R.]. No. 1, 1963.

NOVAIA I NOVEISHAIA ISTORIYA [MODERN AND RECENT HISTORY]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, 1962.

NOVAIA INOSTRANNAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI [NEW FOREIGN LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1962.

NOVAIA SOVETSKAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI [NEW SOVIET LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, 1962.

OBSHCHESTVO RUSSKIKH VETERANOV VELIKOI VOINY, San Francisco, Vestnik [SOCIETY OF RUSSIAN VETERANS OF THE GREAT WAR, Herald]. San Francisco, no. 224, Sep. 1962.

PALESTINSKII SBORNIK [PALESTINE REVIEW]. Issued by Rossiiskoe palestinskoe obshchestvo [Russian Palestine Society]. Moscow, no. 10(73), 1962.
Contents: Vinnikov, I. N. [A dictionary of the dialect of the Bukhara Arabs] Slovar' dialekta bukharskikh arabov. 240 p.

PREPODAVANIE ISTORII V SHKOLE [TEACHING HISTORY IN SCHOOLS]. Issued by Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 17, no. 6, Nov.-Dec., 1962; vol. 18, no. 1, Jan.-Feb. 1963.

STUDIA MONGOLICA [MONGOLIAN STUDIES]. Issued by Institutum Linguae et Litterarum [Institute of Language and Literature]. Ulan-Bator, vol. 2, nos. 17/23-31/36, 1961; vol. 3, no. 13/15, 1962.

VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL]. Organ of Ministerstva oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 6, no. 1, Jan. 1963.

VOPROSY ARKHIVOVEDENIA [PROBLEMS OF ARCHIVES]. Issued by Glavnoe arkhivnoe upravleniye pri Sovete Ministrov SSSR [Main Archives Administration, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 7, no. 3, July-Sep. 1962.

VOPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdeleniye istoricheskikh nauk Akademii nauk SSSR [Department of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 32, no. 2, Feb. 1963.

WINNIPEG, UKRAINIAN RESEARCH INSTITUTE OF VOLYN. Proceedings. INSTYTUT DOSLIDIV VOLYNI. Pratsi. No. 10, 1962.
Contents: Hordlenko, Gabriel. [Agrarian reform in Volynia in the 16th century] Agrarna reforma na Volyni v XVI stolitti. 48 p.

Z ISTORII UKRAINS'KOI RSR [FROM THE HISTORY OF THE UKRAINIAN S.S.R.]. Issued by Institut suspil'nykh nauk Akademii nauk Ukrain's'koi RSR [Institute of Social Sciences of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 6/7, 1962.

b. ARCHAEOLOGY & ANTIQUITIES

MATERIAL'NAIA KUL'TURA AZERBAIDZHANA [MATERIAL CULTURE OF AZERBAIJAN]. Issued by Institut istorii Akademii nauk Azerbaidzhanskoi SSR [Institute of History of the Academy of Sciences of the Azerbaijan S.S.R.]. Baku, vol. 4, 1962.

MATERIALY I ISSEDOVANIA PO ARKHEOLOGII SSSR [MATERIALS AND RESEARCH IN THE ARCHAEOLOGY OF THE U.S.S.R.]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 118, 1962.
Contents: Zadneprovskii, I. A. [Ancient farming in Fergana] Drevnezemel'del'cheskaya kul'tura Fergany. 327 p.

SOVETSKAIA ARKHEOLOGIYA [SOVIET ARCHAEOLOGY]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 1, 1963.

5. SOCIAL SCIENCES

a. COMMERCE

KOOPERATOR KAZAKHSTANA [THE COOPERATIVE WORKER OF KAZAKHSTAN]. Issued by Soluz potrebiteľ'skikh obshchestv Kazakhskoi SSR [Association of Consumer Societies of the Kazakh S.S.R.]. Alma-Ata, vol. 5, nos. 4, 10, Apr., Oct., 1962.

NOVYE TOVARY: informatsionnyi biulleten' [NEW CONSUMER GOODS; Information Bulletin]. Moscow, no. 3, 1963.

SOVETSKAIA TORGOVIA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet po torgovle pri Sovete narodnogo khoziaistva SSSR [State Committee for Commerce, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol. 35, no. 9, Sep.; vol. 36, no. 10, Oct. 1962; vol. 36, no. 1, Jan. 1963.

TORGOVIA ZA RUBEZHOM: organizatsiia, novye metody, tekhnika torgovli i massovogo pitaniia [TRADE ABROAD: Organization, New Methods, and Equipment of Trade and Public Food Service]. Moscow, no. 3, 1963.

UUT TEHNİKAT KAUBANDUSES [NEW TECHNOLOGY IN TRADE]. Issued by Eesti NSV Ministrite Nõukogu Riiklik Teaduslik-Tehniline Komitee [State Scientific and Technical Committee of the Council of Ministers of the Estonian S.S.R.]. Tallinn, no. 2(5), 1961. [In Estonian]

VNESHNIAIA TORGOVIA [FOREIGN TRADE]. Organ of Ministerstvo vneshei torgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.]. Moscow, vol. 42, no. 1; vol. 43, no. 2, 1963.

b. ECONOMICS

AKADEMIA STROITEL'STVA I ARHITEKTURY SSSR. Institut ekonomiki stroitel'stva. Nauchnye soobshcheniia [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Institute of the Economics of Construction. Scientific Reports]. Moscow, no. 14, 1961. Contents: Galkin, I. G. [Planning operations completion in housing construction] Planirovanie zadela v zhilišchnom stroitel'stve. 45 p.

EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 34, no. 2, Feb. 1963.

MIROVAIA EKONOMIKA I MEZHDUNARODNYE OTNOSHENiIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1963.

NARODNOE KHOZIAISTVO KAZAKHSTANA [THE NATIONAL ECONOMY OF KAZAKHSTAN]. Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S.S.R.]. Alma-Ata, vol. 20, nos. 11-12, Nov.-Dec. 1962.

NARODNOE KHOZIAISTVO UZBEKISTANA [THE NATIONAL ECONOMY OF UZBEKISTAN]. Issued by Gosudarstvennaia planovaiia komissia Soveta Ministrov Uzbekskoi SSR [State Planning Commission of the Council of Ministers of the Uzbek S.S.R.]. Tashkent, vol. 4, no. 12, Dec. 1962.

NOVAIA INOSTRANNAIA EKONOMICHESKAIA LITERATURA [NEW FOREIGN ECONOMIC LITERATURE]. Issued by Fundamental'naiia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, 1962.

NOVAIA SOVETSKAIA EKONOMICHESKAIA LITERATURA [NEW SOVIET ECONOMIC LITERATURE]. Issued by Fundamental'naiia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 36, 1962.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY]. Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.]. Moscow, vol. 40, no. 3, March 1963.

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Feb. 1962.

SBORNIK PRAVIL PEREVOZOK I TARIFOV ZHELEZNO-DOROZHNOGO TRANSPORTA SOIUZA SSR [COLLECTION OF REGULATIONS GOVERNING RAILROAD TRANSPORTATION AND RATES IN THE U.S.S.R.]. Issued by Ministerstvo puti soobshcheniia [Ministry of Railroad Transportation]. Moscow, no. 86, Feb. 1959.

SOTSIALISTICHESKII SPOSOB PROIZVODSTVA [SOCIALIST METHOD OF PRODUCTION]. Issued by Kafedra politicheskoi ekonomii Vysshei partinnoi shkoly pri TsK KPSS [Department of Economics of the Higher Party School Attached to the Central Committee of the Communist Party of the U.S.S.R.]. Moscow, no. 2, 1962. Contents: [Socialist production and distribution] Sotsialisticheskoe proizvodstvo i raspredelenie. 431 p.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 20, no. 1, Jan. 1963.

VESTNIK STATISTIKI [STATISTICAL REVIEW]. Organ of Tsentral'noe statisticheskoe upravlenie SSSR [Central Statistical Administration of the U.S.S.R.]. Moscow, nos. 1-2, 1963.

VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS]. Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

c. FINANCE

DEN'GI I KREDIT [MONEY AND CREDIT]. Published by Gosudarstvennyi bank SSSR [U.S.S.R. State Bank]. Moscow, vol. 21, nos. 1-2, Jan. - Feb. 1963.

FINANSY SSSR [FINANCE OF THE U.S.S.R.]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 37, nos. 1-2, Jan. - Feb. 1963.

d. LABOR

OKHRANA TRUDA I SOTSIAL'NOE STRAKHOVANIE [PROTECTION OF LABOR AND SOCIAL INSURANCE]. Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 5, no. 12, Dec. 1962; vol. 6, no. 2, Feb. 1963.

RABOTNITSA [THE WOMAN WORKER]. Published by Izd-vo [Publishing House] "Pravda." Moscow, vol. 40, nos. 3, 7, Mar., July 1962.

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by Tsentral'nyi kamitet Komunisticheskoi partii Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol. 39, no. 1, Jan. 1963.

SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems]. Moscow, vol. 7, nos. 6, 12, June, Dec. 1962; vol. 8, nos. 1-2, Jan. - Feb. 1963.

SOVETSKIE PROFSOJUZY [SOVIET TRADE UNIONS]. Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 19, nos. 2(260), 3(261), 4(262) 5(263), Jan. - March 1963.

VSEMIROE PROFSOJUZNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT]. Organ of Vsemirnaiia federatsiia profsoluzov [World Federation of Trade Unions]. Moscow, no. 2, Feb. 1963.

e. SOCIOLOGY

AZERBAICHAN GADYNY [AZERBAIJAN WOMAN]. Issued by Tsentral'nyi kamitet Komunisticheskoi Partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 2, Feb. 1963. [In Azerbaijani]

KAZAKSTAN EIELDERI [KAZAKHISTAN WOMAN]. Alma-Ata, no. 2, Feb. 1963. [In Kazakh]

KLUB [THE CLUB]. Organ of Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 11, nos. 4-6, Apr. - June, 1962; vol. 12, nos. 7-8, July-Aug., 1962; vol. 12, no. 1, Jan., 1963.

KOMSOMOL'SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 1, Jan. 1962.

KYRGYZSTAN AIADARY [KIRGHIZISTAN WOMAN]. Frunze, vol. 13, no. 2(100), Feb. 1963. [In Kirghiz]

NOUKOGUDE NAINI [SOVIET WOMAN]. Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, nos. 2-3, Feb. - March 1963. [In Estonian]

PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas komunistiskaj partijas Centrala komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 2(120), Feb. 1963. [In Latvian]

RADIANS'KA ZHINKA [SOVIET WOMAN]. Issued by Ukrain'ska respublika'ska rada professiinykh spilok i spilka radians'kykh pys'mennykyv Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol. 18, no. 2(200), Feb. 1963.

SOVET TURKMENISTANYNYN AIALLAHY [SOVIET TURKMENISTAN WOMAN]. Organ of TsK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, no. 9(111), Sep. 1962; no. 2(110), Feb. 1963. [In Turkmen]

SOVETSKAIA ZHENSHCHINA [SOVIET WOMAN]. Organ of Komitet sovetskikh zhenshchin and Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [Committee of Soviet Women and the All-Union Central Council of Trade Unions]. Moscow, vol. 19, no. 4, 1963.

TARYBINE MOTERIS [SOVIET WOMAN]. Issued by Lietuvos komunistu partijos Centro komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 1(133), 3(135), Jan., March 1963. [In Lithuanian]

UZBEKISTON SOTSIAL TA'MINOTI [SOCIAL SECURITY OF UZBEKISTAN]. Issued by Ministerstvo sotsial'nogo obespecheniia Uzbekskoi SSR [Ministry of Social Security of the Uzbek S.S.R.]. Tashkent, no. 1(26), Feb. 1963. [In Uzbek]

ZMNA [THE YOUNGER GENERATION]. Issued by Tsentral'nyi komitet Ionins'koho komunistychnoho soluzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no. 2(119), Feb. 1963.

6. POLITICAL SCIENCE

AGITATOR [AGITATOR]. Issued by Tsentral'nyi kamitet Komunisticheskoi partii Sovetskogo Soluza [Central Committee of the Communist Party of the Soviet Union]. Moscow, nos. 7, 13, Apr., July, 1962; nos. 2-5, Jan. - March 1963.

BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK]. Issued by Otdel propagandy i agitatsii Leningradskogo obkoma i gorkoma KPSS [Propaganda and Dissemination Sections of the Leningrad Province Committee and the Leningrad City Committee of the Communist Party of the Soviet Union]. Leningrad, no. 2, Jan. 1963.

CHASOVOI [THE SENTRY]. Organ of Rossiiskoe natsional'noe dvizhenie [Russian National Movement]. Brussels, no. 442(3), March 1963.

KAZAKSTAN KOMMUNISI [COMMUNIST OF KAZAKHISTAN]. Issued by the Communist Party of Kazakhstan. Alma-Ata, vol. 42, no. 2, Feb. 1963. [In Kazakh]

KOMUNIST [COMMUNIST]. Issued by Tsentral'nyi Kamitet Komunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania]. Vilnius, vol. 45, nos. 1(483)-2(484), Jan. - Feb. 1963.

KOMMUNIST [COMMUNIST]. Issued by Tsentral'nyi Kamitet Komunisticheskoi partii Sovetskogo Soluza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 39, nos. 4-5, March 1963.

KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 37, no. 2, Feb. 1963.

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA]. Issued by TsK Kompartii Estonii [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 19, nos. 1-2, Jan.-Feb. '63.

KOMMUNIST MOLDAVII [COMMUNIST OF MOLDAVIA]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Moldavii [Central Committee of the Communist Party of Moldavia]. Kishinev, vol. 7, no. 5, May 1962; vol. 7, no. 1, Jan. 1963.

KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 18, nos. 2-3, Feb.-March 1963.

KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by Tsentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 37, no. 5, May 1962.

KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 34, no. 12, Dec. 1962; vol. 35, no. 1, Jan. 1963.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Tajikistona [Central Committee of the Communist Party of Tajikistan]. Dushanbe, vol. 28, no. 2, Feb. 1963. [In Tajik]

KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by Tsentral'nyi Komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 37, no. 6, June 1962; vol. 38, nos. 2-3, Feb.-March 1963. [In Ukrainian]

LENINIAN UGIJOV [LENIN'S WAY]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Eri-van, vol. 42, no. 2, Feb. 1963. [In Armenian]

MOLODOI KOMMUNIST [THE YOUNG COMMUNIST]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzha molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 5, May 1962.

MOSCOW. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]. Nos. 2(512-3(513)), Jan.-Feb. 1963.

NOVOE VREMIA [NEW TIMES]. Moscow, vol. 20, nos. 9(927)-12(930), March 1963.

PADOMJU LATVIJAS KOMUNISTI [COMMUNIST OF SOVIET LATVIA]. Issued by Latvijas komunistiskas partijas Centrālā komiteja [Central Committee of the Communist Party of Latvia]. Riga, vol. 18, nos. 2-3, Feb.-March 1963. [In Latvian]

PARTIJA TURMUSHI [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, no. 2, Feb. 1963. [In Uzbek]

PARTINAIJA ZHIZN' [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soluza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 5, March 1963.

PARTINAIJA ZHIZN' [PARTY LIFE]. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 6, no. 1, Jan. 1963.

PARTINAIJA ZHIZN' KAZAKHSTANA [PARTY LIFE OF KAZAKHSTAN]. Issued by Tsentral'nyi komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 33, no. 2, Feb. 1963.

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION]. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Sovetskogo Soluza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 6, no. 10, Oct. 1962; vol. 7, no. 1, Jan. 1963.

PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM]. Prague, vol. 6, no. 3(55), March 1963.

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 7, nos. 7(229)-12(234), Feb.-March 1963.

RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 28, nos. 11(1150)-16(1155), March-Apr. 1963.

RUSSKOE DELO. RUSSIAN CAUSE. Issued by Predstavitel'stvo rossiiskikh emigrantov v Amerike [Russian Immigrants' Representative Association in America]. New York, vol. 4, no. 12(48), Dec. 1962.

SOTSIALISTICHESKII VESTNIK. THE SOCIALIST COURIER. Organ of Rossiiskaia sotsial-demokraticheskaja rabochaja partija [Russian Social Democratic Workers' Party]. New York, vol. 42, no. 11/12 (771-772), Nov.-Dec. 1962.

SOVETY DEPUTATOV TRUDIASHCHIKHSIA [SOVIETS OF WORKERS' DEPUTIES]. Issued by the newspaper "Izvestia." Moscow, no. 3, March 1963.

SVOBODA [FREEDOM]. Issued by Tsentral'noe ob'edinenie politicheskikh emigrantov iz SSSR [Central Association of Political Refugees from the U. S. S. R.]. Munich, vol. 12, no. 1(127), Jan. 1963.

TURKMENISTAN KOMMUNISTI [COMMUNIST OF TURKMENISTAN]. Organ of the Central Committee of the Communist Party of Turkmenistan. Ashkhabad, vol. 38, no. 2, Feb. 1963. [In Turkmen]

VOPROSY ISTORII KPSS [PROBLEMS OF THE HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION]. Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 7, nos. 1-2, Jan.-Feb. 1963.

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN]. Issued by the Central Committee of the Communist Party of Uzbekistan. Tashkent, vol. 35, nos. 1-2, Jan.-Feb. 1963. [In Uzbek]

7. LAW

RADIANS'KE PRAVO [SOVIET LAW]. Organ of Ministerstvo iustitsii URSR [Ministry of Justice of the Ukrainian S. S. R.] and others. Kiev, no. 6, Sep.-Oct. 1962; no. 1, Jan.-Feb. 1963.

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]. Moscow, no. 12, 1962.

SOVETSKAIA IUSTITSIA [SOVIET JUSTICE]. Issued by Ministerstvo iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R. S. F. S. R.]. Moscow, nos. 2-3, 5, Jan.-March, 1963.

8. EDUCATION

a. GENERAL

AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR. Moscow. Doklady [ACADEMY OF PEDAGOGICAL SCIENCES OF THE R. S. F. S. R. Reports]. Moscow, vol. 6, no. 5, 1962.

GULKHAN [BONFIRE]. Issued by TsK LKSM and Ministerstvo prosveshchenia Uzbekistana [Central Committee of the All-Union Communist Youth League of Lenin and the Ministry of Education of Uzbekistan]. Tashkent, no. 9(128), Sep. 1962. [In Uzbek]

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.]. Moscow, vol. 23, nos. 4, 6, 8-10, 12, Apr., June, Aug.-Oct., Dec. 1962.

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 31, no. 1, Jan. 1963.

NARODNOE OBRAZOVANIE [PUBLIC EDUCATION]. Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 2, Feb. 1963.

NOUKOGUDE KOOL [SOVIET SCHOOL]. Issued by Eesti Nougude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S. S. R.]. Tallinn, vol. 21, nos. 2-3, Feb.-March 1963. [In Estonian]

PADOMJU LATVIJAS SKOLA [THE SCHOOL IN SOVIET LATVIA]. Issued by LPSR Izglitiba ministrija [Ministry of Education of the Latvian S. S. R.]. Riga, no. 2, Feb. 1963. [In Latvian]

SHKOLA I PROIZVODSTVO [SCHOOL AND PRODUCTION]. Issued by Ministerstvo prosveshchenia RSFSR po voprosam trudovogo vospitania politekhnicheskogo i proizvodstvennogo obrazovaniia [Ministry of Education of the R. S. F. S. R. on Problems in Labor Training Through the System of Polytechnic and Industrial Education]. Moscow, vol. 6, nos. 8-9, Aug.-Sep. 1962; vol. 7, no. 1, Jan. 1963.

SHKOLA-INTERNAT [BOARDING SCHOOL]. Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 6, Nov.-Dec. 1962.

SOVET MAKTADI [SOVIET SCHOOL]. Organ of Ministerstvo prosveshchenia Uzbekskoi SSR [Ministry of Education of the Uzbek S. S. R.]. Tashkent, no. 2, Feb. 1963. [In Uzbek]

SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, vol. 26, no. 11, Nov. 1962.

SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 9, no. 12, Dec. 1962.

TARYBINE MOKYKLA [SOVIET SCHOOL]. Organ of Lietuvos TSR Svetimo ministerija [Ministry of Education of the Lithuanian S. S. R.]. Vilnius, no. 2, Feb. 1963. [In Lithuanian]

VECHERNIAIA SREDNAIA SHKOLA [EVENING SECONDARY SCHOOL]. Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 5, nos. 5-6, Sep.-Dec. 1962.

VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 21, nos. 1-2, Jan.-Feb. 1963.

ZHYT'TIA I SHKOLA [LIFE AND SCHOOL]. New Haven, vol. 9, no. 3/4(73-74), March-Apr. 1963.

b. PHYSICAL EDUCATION & GAMES

FIZICHESKAIA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 3, March 1963.

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Soluz sportyvykh tovarystv i organizatsii URSR [Union of Sports Associations and Organizations of the Ukrainian S. S. R.]. Kiev, nos. 1-3, Jan.-March 1963. [In Ukrainian]

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Tsentral'nyi Sovet Soluza sportyvykh obshchestv i organizatsii SSSR [Central Council of the Union of Sports Associations and Organizations of the U. S. S. R.]. Moscow, nos. 1(775)-3(777), Jan.-March 1963.

SHAKHMATY [CHESS]. Issued by Soluz sportyvykh obshchestv i organizatsii and Shakhmatnain federatsiia Latviskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S. S. R.]. Riga, nos. 2(74)-3(75), 5(77), Jan.-March 1963.

SHAKHMATY V SSSR [CHESS IN THE U. S. S. R.]. Organ of Shakhmatnain federatsiia SSSR [Chess Federation of the U. S. S. R.]. Moscow, vol. 40, no. 3, March 1963.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soluza sportyvykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 6, nos. 9, 11, Sep., Nov. 1962; vol. 7, no. 3, 1963.

TEORIJA I PRAKTIKA FIZICHESKOI KULTURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol. 25, no. 12, Dec. 1962.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

ISKUSTVO KINO [CINEMA ART]. Organ of Ministerstvo kul'tury SSSR and Soluz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and of the Association of Cinematographic Workers of the U.S.S.R.]. Moscow, vol. 33, no. 1, 1963.

KINOMEKHANIK [MOTION-PICTURE OPERATOR]. Issued by Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, no. 2, Feb. 1963.

SOVETSKII EKRAK [THE SOVIET SCREEN]. Organ of Ministerstvo kul'tury SSSR and Soluz rabotnikov kinematografii SSSR [Ministry of Culture of the U.S.S.R. and the Union of Motion-Picture Workers of the U.S.S.R.]. Moscow, nos. 3(147)-6(150), Feb. - March 1963.

b. MUSIC

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soluz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol. 6, nos. 4-5, Feb. - March 1963.

c. THEATER

MOLODEZHNAIA ESTRADA [YOUNG PEOPLE'S STAGE]. Published by "Molodaja gvardiia" ["Young guard"]. Moscow, no. 1(115), 1963.

NA DOPOMOGU KHUDOZHNI SAMODIAL'NOSTI: repertuarnyi zbirnyk [A GUIDE FOR ART AMATEURS: Repertorial Collection]. Kiev, no. 1(43), Jan. 1963.

SOVETSKII TSIRK [THE SOVIET CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, vol. 7, no. 2(63), Feb. 1963.

TEATR [THEATER]. Organ of Ministerstvo kul'tury SSSR and Soluz pisatelei SSSR [Ministry of Culture of the U.S.S.R. and Association of Writers of the U.S.S.R.]. Moscow, vol. 24, no. 1, Jan. 1963.

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.] and others. Moscow, nos. 5-6, March 1963.

10. FINE ARTS

a. GENERAL

DEKORATIVNOE ISKUSTVO SSSR [DECORATIVE ART OF THE U.S.S.R.]. Issued by Soluz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, nos. 1(62) - 2(63), Jan. - Feb. 1963.

ISKUSTVO [ART]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.] and others. Moscow, vol. 25, no. 9, 11, 1962.

KHUDOZHNIK [ARTIST]. Issued by Soluz khudozhnikov RSFSR [Association of Artists of the R. S. F. S. R.]. Moscow, vol. 6, no. 2, 1963.

MOSCOW. VSESOLUZHNAIA TSENTRAL'NAIA NAUCHNO-ISSEDOVATELSKAIA LABORATORIJA PO KONSERVATSI I RESTAVRATSII MUZEINYKH KHUDOZHESTVENNYKH TSENNOSTEL Soobshcheniia [ALL-UNION CENTRAL SCIENTIFIC RESEARCH LABORATORY ON THE CONSERVATION AND RESTORATION OF MUSEUM ART TREASURES. Reports]. No. 3, 1960.

No. 5, 1961.

Contents: [Bibliography on problems of conservation and restoration of art works and cultural monuments] Bibliograficheskii ukazatel' literatury po voprosam konservatsii i restavratsii proizvedenii iskusstva i pamiatnikov kul'tury, no. 1, pls. 1/2, 135 p.

No. 6, 1962.

Contents: [Bibliography on problems of conservation and restoration of art works and cultural monuments] Bibliograficheskii ukazatel' literatury po voprosam konservatsii i restavratsii proizvedenii iskusstva i pamiatnikov kul'tury, no. 1, pls. 3/4, 138 p.

MYSTETSTVO [ART]. Organ of Ministerstvo kul'tury URSS [Ministry of Culture of the Ukrainian S.S.R.], and others. Kiev, vol. 9, no. 6, Nov. - Dec. 1962.

SOVETAKAN ARVEST [SOVIET ART]. Issued by Ministerstvo kul'tury Armianskoi SSR [Ministry of Culture of the Armenian S.S.R.]. Erivan, no. 1, 1963. [In Armenian]

TVORCHESTVO [CREATIVE WORK]. Issued by Soluz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, nos. 1(73)-2(74), 1963.

b. ARCHITECTURE

AKADEMIA BUDIVNYTSTVA I ARKHITEKTURY URSS. Visnyk [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE UKRAINIAN S.S.R. Journal]. Kiev, no. 3, 1962.

ARKHITEKTURA SSSR [ARCHITECTURE OF THE U.S.S.R.]. Organ of Akademiia stroitel'stva i arkhitektury SSSR and Soluz arkhitektorov SSSR [Academy of Construction and Architecture of the U.S.S.R. and the Association of Architects of the U.S.S.R.]. Moscow, no. 2, 1963.

SOVETSKAIA ARKHITEKTURA [SOVIET ARCHITECTURE]. Issued by Soluz arkhitektorov SSSR [Association of Architects of the U.S.S.R.]. Moscow, no. 14, 1962.

STROITEL'STVO I ARKHITEKTURA [CONSTRUCTION AND ARCHITECTURE]. Issued by Gosudarstvennyi komitet Soveta Ministrov USSR po delam stroitel'stva and Soluz arkhitektorov Ukrainy [State Committee of the Council of Ministers of the Ukrainian S.S.R. for Construction and the Association of Architects of the Ukraine]. Kiev, vol. 10, no. 2(86), Feb. 1962.

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodskogo soвета deputatov trudiaschikhia [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol. 24, no. 8, Aug. 1962; vol. 25, no. 2, Feb. 1963.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

AKADEMIA NAUK KAZAKHSKOI SSR, Alma-Ata. Izvestiia. Seriya filologii i iskusstvovedeniia [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Series on Philology and Art]. Alma-Ata, no. 3(22), 1962.

ETIMOLOGICHESKIE ISSEDOVANIA PO RUSSKOMU IAZYKU [ETYMOLOGICAL RESEARCH ON THE RUSSIAN LANGUAGE]. Moscow, no. 3, 1961.

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]. Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanike Liit [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.]. Tallinn, vol. 6, nos. 1-2, Jan. - Feb. 1963. [In Estonian]

MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT INOSTRANNYKH IAZYKOV. Mashinnyi perevod i prikladnaia lingvistika [MOSCOW STATE PEDAGOGICAL INSTITUTE OF FOREIGN LANGUAGES. Machine Translation and Applied Linguistics]. Moscow, no. 5, 1961.

NOVAIA INOSTRANNAIA LITERATURA PO IAZYKOZNAANIU [NEW FOREIGN LITERATURE ON LINGUISTICS]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 10-11, 1962.

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNAANIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 10-12, 1962.

RUSSKII IAZYK V SHKOLE [RUSSIAN LANGUAGE IN SCHOOLS]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 24, no. 1, Jan. - Feb. 1963.

b. LITERATURE & FOLKLORE

AKADEMIA NAUK TURKMENSKOI SSR, Ashkhabad. Institut literatury. Trudy [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Institute of Literature. Transactions]. Ashkhabad, no. 5, 1961.

AZERBAIJCHAN [AZERBAIJAN]. Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, no. 2, Feb. 1963. [In Azerbaijani]

BAIGAL [BAIKAL]. Ulan-Ude, no. 1, Jan. - Feb. 1963. [In Buryat]

BAIKAL. Organ of Soluz pisatelei and Ministerstvo kul'tury Buriatskoi ASSR [Association of Writers and the Ministry of Culture of the Buryat A.S.S.R.]. Ulan-Ude, no. 5, 1961.

[MICROFILM]

DAL'NII VOSTOK [FAR EAST]. Organ of Khabarovskoe otdeleniie Soluza pisatelei RSFSR [Khabarovsk Branch of the Association of Writers of the R. S. F. S. R.]. Khabarovsk, vol. 30, no. 1, Jan. - Feb. 1963.

DILA [MORNING]. Issued by Tsentral'nyi komitet Leninskogo kommunisticheskogo soluza molodezhi Gruzii and Respublikanskii sovet organizatsii luykh pionerov im. V. I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers]. Tiflis, no. 1, Jan. 1963. [In Georgian]

DNIPRO [DNIESTER]. Organ of Tsentral'nyi komitet Leninskogo kommunisticheskogo soluza molodezhi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine]. Kiev, vol. 37, no. 2, Feb. 1963.

DON. Organ of Rostovskoe oblastnoe otdeleniie Soluza pisatelei RSFSR [Rostov Province Branch of the Association of Writers of the R. S. F. S. R.]. Rostov-on-Don, vol. 7, no. 2, Feb. 1963.

DROSHA [THE BANNER]. Published by the Publishing House of the Central Committee of the Communist Party of Georgia. Tiflis, nos. 1(130)-2(130), Jan. - Feb. 1963. [In Georgian]

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, nos. 2-3, 1963.

YUNOST' [YOUTH]. Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 9, nos. 2-3, Feb. - March 1963.

KAROGS [THE BANNER]. Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Latvia]. Riga, nos. 2-3, Feb. - March 1963. [In Latvian]

LITERATURA I ISKUSTVO NARODOV SSSR I ZAII-BEZHNYKH STRAN; bibliograficheskii buileten' [LITERATURE AND ART OF THE PEOPLES OF THE U.S.S.R. AND FOREIGN COUNTRIES; Bibliographic Bulletin]. Issued by Vsesoluznaia knizhnaia palata and Vsesoluznaia gosudarstvennaia biblioteka lestrannoi literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature]. Moscow, no. 1, 1963.

LITERATURNIA GRUZIA [LITERARY GEORGIA]. Organ of Soluz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol. 7, no. 1, Jan. 1963.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S.S.R.]. Tallinn, nos. 2-3, Feb. - March 1963. [In Estonian]

MOLODAIA GVIARDIA; literaturno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [YOUNG GUARD; Literary and Sociopolitical Magazine]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 1-2, Jan. - Feb. 1963.

NA RUBEZHE [AT THE FRONTIER]. Issued by Soluz pisatelei Karelskoi ASSR [Association of Writers of the Karelian A.S.S.R.]. Petrozavodsk, vol. 24, no. 1, Jan. - Feb. 1963.

NASH SOVREMENNIIK [OUR CONTEMPORARY]. Organ of Soluz pisatelei RSFSR [Association of Writers of the R. S. F. S. R.]. Moscow, vol. 1, 1963.

NISTRUL [DNISTER RIVER]. Organ of the Association of Soviet Writers of the Moldavian S. S. R. Kishinev, vol. 32, nos. 2-3, 1963. [In Moldavian]

NOVYY ZHURNAL. THE NEW REVIEW. New York, vol. 22, no. 71, 1963.

PERGALE [THE VICTORY]. Organ of Lietuvos TSR Iaribiniu rasytoju sajunga [Association of Soviet Writers of the Lithuanian S. S. R.]. Vilnius, no. 3, 1963. [In Lithuanian]

POD'EM [UPSWING]. Issued by Voronezhskoe otdelenie Soluza pisatelei RSFSR [Voronezh Branch of the Association of Writers of the R. S. F. S. R.]. Voronezh, no. 1, Jan. -Feb. 1963.

POLYMA [FLAME]. Organ of Soluz pis'mennikau BSSR [Association of Writers of the White Russian S. S. R.]. Minsk, vol. 41, no. 2, Feb. 1963.

PRAPOR; literaturno-khudozhnii ta hromads'ko-politychnyi zhurnal [BANNER; Literary and Sociopolitical Magazine]. Issued by Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Kharkov, no. 1, 1963.

PROSTOR [WIDE-OPEN SPACES]. Organ of Soluz pisatelei Kazakhstana [Association of Writers of Kazakhstan]. Alma-Ata, vol. 30, no. 1, Jan. 1963.

PUNALIPPU [THE RED BANNER]. Issued by the Association of Soviet Writers of the Karelo-Finnish S. S. R. Petrozavodsk, vol. 20, no. 1, 1963. [In Finnish]

RUSSKAYA LITERATURA [RUSSIAN LITERATURE]. Issued by Institut russkoi literatury Akademii nauk SSSR [Institute of Russian Literature of the Academy of Sciences of the U. S. S. R.]. Leningrad, vol. 6, no. 1, 1963.

RUSSKII FOL'KLOR; materialy i issledovaniia [RUSSIAN FOLKLORE; materials and studies]. Issued by Institut russkoi literatury Akademii nauk SSSR [Institute of Russian Literature of the Academy of Sciences of the U. S. S. R.]. Moscow, vol. 7, 1962.

SHARK KULDUZI [STAR OF THE EAST]. Organ of the Association of Soviet Writers of Uzbekistan. Tashkent, vol. 31, nos. 1-2, Jan. -Feb. 1963. [In Uzbek]

SHARKI SURKH [THE RED EAST]. Organ of the Association of Writers of Tajikistan. Dushanbe, no. 1, Jan. 1963. [In Tajik]

SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Novosibirskoe otdelenie Soluza pisatelei RSFSR [Novosibirsk Branch of the Association of Writers of the R. S. F. S. R.]. Novosibirsk, vol. 42, no. 3, March 1963.

SOVET EDEBIATY [SOVIET LITERATURE]. Organ of Soluz sovetsskikh pisatelei TSSR [Association of Writers of the Turkmen S. S. R.]. Ashkhabad, no. 2, Feb. 1963. [In Turkmen]

SOVETAKAN GRAKANUTIUN [SOVIET LITERATURE]. Organ of the Association of Soviet Writers of Armenia. Eriyan, no. 1, 1963. [In Armenian]

SOVETSKAYA PECHAT' [SOVIET PRESS]. Issued by Soluz zhurnalstov SSSR [Association of Journalists of the U. S. S. R.]. Moscow, no. 8, Aug. 1962.

SUCHASNIST'; literatura, mystetstvo, suspil'ne zhytla [OUR TIME; Literature, Art, and Social Problems]. Munich, vol. 3, nos. 2(26)-3(27), Feb. -March 1963.

SURAN' TOLT; literaturno-khudozhestvennoi dy olshchestvenno-politicheskoi zhurnal [SURA LIGHTS; Literary and Sociopolitical Magazine]. Issued by Mordovskoi ASSR-n' pisatelei soluzos' [Association of Writers of the Mordovian A. S. S. R.]. Saransk, no. 1, Jan. -Feb. 1963. [In Mordovian]

SVET NAD BAIKALOM [LIGHT OVER THE BAIKAL]. Organ of Soluz pisatelei and Ministerstvo kul'tury Buriatskoi ASSR [Association of Writers and the Ministry of Culture of the Buryat A. S. S. R.]. Ulan-Ude, vol. ..., no. ..., Month 19.... [MICROFILM]

UKRAINS'KA VIL'NA AKADEMIIA NAUK. Seria: Literatura [UKRAINIAN FREE ACADEMY OF SCIENCES. Series: Literature]. Winnipeg, no. 8, 1962.

URAL. Issued by Sverdlovskoe otdelenie Soluza pisatelei RSFSR [Sverdlovsk Branch of the Association of Writers of the R. S. F. S. R.]. Sverdlovsk, vol. 6, no. 1, Jan. 1963.

VITCHYZNA [OUR COUNTRY]. Organ of Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Kiev, vol. 31, no. 2, Feb. 1963.

VOPROSY LITERATURY [PROBLEMS OF LITERATURE]. Organ of Soluz pisatelei SSSR and Institut mirovoi literatury Akademii nauk SSSR [Association of Writers of the U. S. S. R. and the Institute of World Literature of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 6, no. 12, Dec. 1962.

VOZROZHDENIE [RENAISSANCE]. Paris, no. 135-136, March-Apr. 1963.

ZHUL'DYZ [STAR]. Issued by Soluz sovetsskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, no. 2, Feb. 1963. [In Kazakh]

ZVEZDA VOSTOKA [STAR OF THE EAST]. Organ of Soluz pisatelei Uzbekistana [Association of Writers of Uzbekistan]. Tashkent, vol. 31, nos. 1-2, Jan. -Feb. 1963.

12. GEOGRAPHY & GEOLOGY

a. ETHNOLOGY

ETNOGRAFIKESKII SPORNIK [ETHNOGRAPHIC PAPERS]. Issued by Buriatskii kompleknyi nauchno-issledovatel'skii institut Sibirskogo otdelenia Akademii nauk SSSR [Buryat Scientific Research Institute of the Siberian Department of the Academy of Sciences of the U. S. S. R.]. Ulan-Ude, no. 2, 1961.

NARODNA TVORCHIST' TA ETNOGRAFIYA [FOLK ART AND ETHNOGRAPHY]. Issued by Institut mystetstva, fol'klora ta etnografii Akademii nauk URSSR and Ministerstvo kul'tury Ukrainy 'Kod RSR [Institute of Fine Arts, Folklore, and Ethnography of the Academy of Sciences of the Ukrainian S. S. R. and the Ministry of Culture of the Ukrainian S. S. R.]. Kiev, vol. 6, no. 3, July-Sep. 1962.

VOPROSY ANTROPOLOGII [PROBLEMS OF ANTHROPOLOGY]. Issued by Institut antropologii Moskovskogo gosudarstvennogo universiteta [Institute of Anthropology of Moscow State University]. Moscow, no. 10, 1962.

b. GEOGRAPHY

AKADEMIIA NAUK SSSR. Izvestia. Seria geograficheskaya [ACADEMY OF SCIENCES OF THE U. S. S. R. Bulletin. Geographical Series]. Moscow, no. 1, Jan. -Feb. 1963.

AKADEMIIA NAUK SSSR. Institut geografi. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of Geography. Transactions]. Moscow, vol. 81, 1962.

AKADEMIIA NAUK SSSR. Institut meryetovedeniia. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of Permafrost. Transactions]. Moscow, vol. 18, 1962.

MOSCOW. UNIVERSITET. Geograficheskii fakul'tet. Informatsionnyi sbornik o rabotakh po Mezhdunarodnomu geofizicheskomu godu [UNIVERSITY. Geographical Faculty. Information Bulletin on the Work for the International Geophysical Year]. No. 9, 1962.

PROBLEMY ARKTIKI I ANTARKTIKI [PROBLEMS OF THE ARCTIC AND THE ANTARCTIC]. Issued by Arkhicheskii i antarkhticheskii nauchno-issledovatel'skii institut [Arctic and Antarctic Scientific Research Institute]. Leningrad, nos. 10-11, 1962.

REFERATIVNYI ZHURNAL. GEOGRAFIYA [JOURNAL OF ABSTRACTS: GEOGRAPHY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 2-3, Feb. -March 1963.

SIBIRSKII GEOGRAFIKESKII SPORNIK [SIBERIAN GEOGRAPHICAL PAPERS]. Issued by Institut geografi Sibiri i Dal'nego Vostoka Sibirskogo otdelenia Akademii nauk SSSR [Institute of Geography of Siberia and the Far East of the Siberian Department of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 1, 1962.

VOKRUG SVETA [AROUND THE WORLD]. Issued by Tsentralnyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 11, Nov. 1962.

c. GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK ARMIAANSKOI SSR, Eriyan. Izvestia. Geologicheskoe i geograficheskoe nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S. S. R. Bulletin. Geological and Geographical Sciences]. Eriyan, vol. 15, no. 6, 1962.

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestia. Seria geologo-geograficheskikh nauk i nefi [ACADEMY OF SCIENCES OF THE AZERBAIDZHAN S. S. R. Bulletin. Series in the Geological and Geographical Sciences and Petroleum]. Baku, no. 4, 1962.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut geologicheskikh nauk. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S. S. R. Institute of Geological Sciences. Transactions]. Alma-Ata, vol. 5, 1962. Contents: [Areal geology; geology of the Chingiz geotectonic zone (central Kazakhstan)] Regional'naya geologiya; geologiya Chingizskoi geotektonicheskoi zony (Tsentral'nyi Kazakhstan). 165 p.

AKADEMIIA NAUK SSSR. Izvestia. Seria geologicheskaya [ACADEMY OF SCIENCES OF THE U. S. S. R. Bulletin. Geological Series]. Moscow, vol. 27, no. 12, Dec. 1962; vol. 28, nos. 1-3, Jan. -March 1963.

AKADEMIIA NAUK SSSR. Dagestanskii filial. Makhachkala. Geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Dagestan Branch. Geological Institute. Transactions]. Makhachkala, vol. 3, no. 1, 1961. Contents: Bunin, G. G. [Ore potential and basic metallogenic characteristics of the mountain land in Dagestan] Rudonosnost' i osnovnye cherty metallogeni gornogo Dagestana. 60 p.

AKADEMIIA NAUK SSSR. Geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Geological Institute. Transactions]. Moscow, no. 83, 1962. Contents: Kossovskaya, A. G. [Mineralogy of the terrigenous Mesozoic complex of the Vilyuy Lowland and western Verkhoyansk Range] Mineralogiia terrigenogo mezozoiskogo kompleksa Viliuskoii vpadiny i Zapadnogo verkhian'ia. 203 p.

No. 68, 1962.

Contents: Semikhatov, M. A. [Riphean and Lower Cambrian in the Yenisey Ridge] Rif i nizhnii kembrii Entseiskogo krinzhia. 239 p. 18 plates.

AKADEMIIA NAUK SSSR. Geologicheskii muzei. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Geological Museum. Transactions]. Moscow, no. 13, 1962. Contents: Barkhatov, B. P., Barkhatova, N. N. [Development of concepts of the tectonics of the Pamirs] Razvitiie vzgladov na tektoniku Pamira. 51 p.

No. 14, 1962.

Contents: Pchelintsev, V. F. [Formation of the Crimean Mountains] Obrazovanie Krymskikh gor. 67 p.

AKADEMIIA NAUK SSSR. Institut geologii rudnykh mestorozhdenii, petrologii, mineralogii i geokhimii. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]. Moscow, no. 69, 1962. Contents: Nikitin, K. K. [Ancient weathering surface of ultrabasic rocks in the Buryat Massif] Drevniaia kora vyvetrivanii Buriatskogo massiva ul'traosnovnykh porod. 189 p.

No. 77, 1962. Osnovnye porody i problemy ikh genezisa [Basic Rocks and Problems of their Genesis]

No. 87, 1962.

Contents: Narkel'man, L. F. [Geology and mineralization of the Dzhezkazgan deposit; based on materials of the Pokro ore region] Geologiya i orudneniie Dzhezkazganskogo mestorozhdeniia; po materialam rudnogo raiona Pokro. 128 p.

AKADEMIIA NAUK SSSR. Institut mineralogii, geokhimii i kristallogimii redkikh elementov. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]. Moscow, no. 12, 1962. Contents: Burkov, V. V., Podporina, E. K. [Strontium; mineralogy, geochemistry, and main types of deposits] Strontii; mineralogiia, geokhimia i glavnye tipy mestorozhdenii. 178 p.

No. 13, 1962.

Contents: Skopnev, Iu. S. [Lovelhorrit-rinkolite pegmatites] Lovelhorrit-rinkolitovye pegmatity. 149 p.

B 12c-13c

AKADEMIA NAUK SSSR. Laboratoriya geologii dokembrii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Laboratory of the Geology of the Pre-Cambrian, Transactions]. Moscow, no. 14, 1962.
Contents: Shurkin, K.A., and others. [Belomorsk complex of northern Karelia and the southwestern part of the Kola Peninsula; geology and pegmatite potential] Belomorskii kompleks Severnoi Kareli i iugo-zapada Kol'skogo polostrova; geologiya i pegmatitosenost'. 305 p.

No. 16, 1963.

Contents: Krats, K.O. [Geology of Karelian folding in Karelia] Geologiya karelii Karelii. 209 p.

AKADEMIA NAUK SSSR. Mineralogicheskii muzei. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mineralogical Museum, Transactions]. Moscow, no. 13, 1962.

AKADEMIA NAUK SSSR. Paleontologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Paleontology, Transactions]. Moscow, vol. 58, 1962.

Contents: Ivanova, E.A. [Ecology and development of Silurian and Devonian brachiopods in the Kuznetsk, Minusinsk, and Tuva Basins] Ekologiya i razvitiye brachiopod silura i devona Kuznetskogo, Minusinskogo i Tuvin'skogo bassainov. 149 p.

Vol. 01, 1962.

Contents: Eberzin, A.G. [Carditidae inhabiting brackish waters in the Pliocene of the U.S.S.R. Part 4: Genus Didacna Eichwald, subgenera Pontalmiya and Cassadocna; 20 plates and 2 illustrations] Solonovatrovnyye kardiidy plioseena SSSR. Chast' 4: Rod Didacna Eichwald, podrody Pontalmiya i Cassadocna; s 20 tablitsami i 2 risunkami v tekste. 178 p.

Vol. 02, 1962.

Contents: Grigor'eva, A.D. [Productidae of the Kazan stage in the Russian Platform and conditions of their existence] Produktidy kazanskogo iarusu Russkoi platformy i uslovia ikh sushchestvovaniia. 91 p. 16 plates.

Vol. 03, 1962.

Contents: Vologdin, A.G. [Archaeocyatha and algae from the Cambrian of the Balkan Upland] Arkheotsisty i vodorosli kembrii Balka'skogo nagor'ia. 115 p. 21 plates.

AKADEMIA NAUK SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, Institute of Geology and Geophysics, Transactions]. Novosibirsk, no. 12, 1961.

Contents: [Materials on tectonic terminology. Part 1: Large crustal structures and geological formations] Materialy po tektonicheskoi terminologii. Chast' 1: Krupnye struktury zemnoi kory i geologicheskie formatsii. 154 p.

AKADEMIA NAUK SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, East Siberian Geological Institute, Transactions]. Moscow, no. 4, 1962.

Contents: Odintsov, M.M., and others. [Structure, volcanism, and diamond potential of the Irkutsk amphitheater] Struktura, vulkanizm i almazosenost' Irkut'skogo amfiteatra. 176 p.

No. 8, 1962.

Contents: Belichenko, V.G., and others. [Outline of the geology and petrography of the southern margin of the Vitim Plateau (northwestern Transbaikalia)] Geologo-petrograficheskii ocherk luzhnoi okrainy Vitim'skogo ploskogor'ia (Severo-Zapadnoe Zabaikal'e). 166 p.

AKADEMIA NAUK SSSR. Ural'skii filial. Sverdlovsk. Gorno-geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Mining-Geological Institute, Transactions]. Sverdlovsk, no. 66, 1961.

Contents: Smirnov, G.A., Smirnova, T.A. [Materials on the paleogeography of the Urals. Part 3: Famennian age] Materialy k paleogeografii Urals. Ocherk 3: Famenskiy vek. 83 p.

AKADEMIA NAUK URSS. Kiev. Institut geologicheskikh nauk. Trudy. Seriya geotektoniki [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geological Sciences, Transactions. Series in Geotectonics]. Kiev, no. 10, 1962.

Contents: Bondarchuk, V.G. [Tectonics of the Carpathians; with a map on a scale 1:1,000,000] Tektonika Karpat; s kartoi mashtaba 1:1 000 000. 113 p.

[MICROFILM]

GEOLOGICHNYI ZHURNAL [GEOLOGICAL JOURNAL].

Issued by Viddil khimichnykh i geologichnykh nauk Akademii nauk URSS i Holovne upravlinnia geologii i okhrony nadr pry Radi Ministriv URSS [Department of Chemical and Geological Sciences of the Academy of Sciences of the Ukrainian S.S.R. and Main Administration of the Geology and Conservation of Mineral Resources, Attached to the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 22, no. 6, 1962.

LENINGRAD. VSESOUZNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE, Transactions]. Moscow, vol. 75, 1962.

Contents: [Biostratigraphia paleozoi Sibirskoi platformy; ordovik i silur. [Biostratigraphy of the Paleozoic in the Siberian Platform; Ordovician and Silurian]. no. 4. Contents: Vostokova, V.A. [Ordovician and Silurian gastropods in the Siberian Platform] Ordovikske i silurskie gastropody Sibirskoi platformy. 45 p.

MATERIALY PO GEOLOGII I POLEZNYM ISKOPEMYM URALA [MATERIALS ON THE GEOLOGY AND MINERAL RESOURCES OF THE URALS]. Issued by Ural'skoe geologicheskoe upravlenie [Ural Geological Administration]. Moscow, no. 10, 1962.

MATERIALY PO GEOLOGII TSENTRAL'NOGO KAZAKHSTANA [MATERIALS ON THE GEOLOGY OF CENTRAL KAZAKHSTAN]. Issued by Moskovskii gosudarstvennyi universitet [Moscow State University]. Moscow, vol. 5, 1962.

Contents: Filatova, L.I. [Pre-Cambrian of the Ulu-Tau] Dokembrii Ulu-Tau. 322 p.

REFERATIVNYI ZHURNAL: GEOLOGIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb.-March 1963. Avtorskii ukazatel' za 1962 g. [Author Index for 1962]

SIBIRSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT GEOLOGII, GEOFIZIKI I MINERAL'NOGO SYR'IA. Trudy [SIBERIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES, Transactions]. Leningrad, no. 13, 1960.

***SOVETSKAIA GEOLOGIA [SOVIET GEOLOGY].** Organ of Ministerstvo geologii i okhrony nadr SSSR [Ministry of Geology and the Conservation of Mineral Resources of the U.S.S.R.]. Moscow, vol. 5, no. 12, Dec. 1962.

UZBEKSKII GEOLOGICHESKII ZHURNAL [UZBEK GEOLOGICAL JOURNAL]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, no. 6, 1962.

VSESOUZNOE MINERALOGICHESKOE OBSHCHESTVO. Zapiski [ALL-UNION MINERALOGICAL SOCIETY, Annals]. Moscow, vol. 61, no. 6, 1962.

13. SCIENCE

a. GENERAL

***AKADEMIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports].** Moscow, vol. 147, no. 6, Dec. 1962; vol. 148, nos. 1-3, Jan. 1963; vol. 149, no. 1, March 1963.

AKADEMIA NAUK SSSR. Institut istorii estestvoznaniia i tekhniki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the History of Natural Sciences and Technology, Transactions]. Moscow, vol. 39, 1962.

AKADEMIA NAUK URSS. Kiev. Dopovidy [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports]. Kiev, no. 12, 1962.

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, nos. 1(71)-2(72), Jan.-Feb. 1963. [In Uzbek]

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE]. Issued by Lietuvos TSR Politinio ir mokslinio ziniu skleidimo draugija [Society for Dissemination of Political and Scientific Knowledge of the Lithuanian S.S.R.]. Vilnius, no. 2(65), Feb. 1963. [In Lithuanian]

NOVYE KNIGI ZA RUBEZHOM. Seriya A: Matematika, mekhanika, astronomiya, fizika, geofizika, khimiya, geologiya [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology]. Published by Izdatel'stvo strannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 16, nos. 2-3, Feb.-March 1963.

PRIRODA [NATURE]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 52, no. 2, 1963.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ Gosudarstvennyi komitet Soveta Ministrov SSSR po professional'no-tekhnicheskomu obrazovaniiu [State Committee of the Council of Ministers of the U.S.S.R. for Industrial Training]. Moscow, vol. 31, no. 12, Dec. 1962.

b. ASTRONOMY

AKADEMIA NAUK SSSR. Astronomicheskii muzei. Biulleten' stantsii opticheskogo nabludeniia issledovatel'skikh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Astronomical Council. Bulletin of the Stations for Optical Observation of Artificial Earth Satellites]. Moscow, no. 20, 1962.

AKADEMIA NAUK SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabludeniia sovetskikh issledovatel'skikh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]. Moscow, no. 52, 1962.

***GODEZIYA I KARTOGRAFIYA [GEODESY AND CARTOGRAPHY].** Organ of Glavnoe upravlenie geodezii i kartografii Ministerstva geologii i okhrony nadr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no. 12, Dec. 1962; no. 1, Jan. 1963.

MOSCOW. UNIVERSITET. Gosudarstvennyi astronomicheskii institut. Trudy [UNIVERSITY. State Astronomical Institute, Transactions]. Vol. 32, 1962.
Contents: Vorontsov-Vel'manov, B.A., and others. [Morphological catalog of galaxies. Part 1. Catalog of 7,200 galaxies with declination from +90° to +45°] Morfologicheskii katalog galaktik. Chast' 1. Katalog 7,200 galaktik s skloneniiem ot +90° do +45° skloneniia. 205 p. [With summary in English]

REFERATIVNYI ZHURNAL: ASTRONOMIYA [JOURNAL OF ABSTRACTS: ASTRONOMY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3 Jan.-Mar. 1963.

REFERATIVNYI ZHURNAL: GEODEZIYA [JOURNAL OF ABSTRACTS: GEODESY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshago srednego spetsial'nogo obrazovaniia. Issledniia vysshikh uchebnykh zavedenii; geodeziya i aerofotografiya [Ministry of Higher and Secondary Education. Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography]. Moscow, no. 4, 1962.

ZVAIGZNOTA DEBESS [STARRY SKY]. Issued by Latvijas PSR Zinatnu akademijas Astrofizikas laboratorija [Astrophysical Laboratory of the Academy of Sciences of the Latvian S.S.R.]. Riga, Summer-Autumn 1962. [In Latvian]

c. BIOLOGY

AKADEMIA NAUK ARMIAANSKOI SSR, Erivan. Biologicheskii nauci [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin, Biological Sciences]. Erivan, vol. 15, no. 8, Aug. 1962.

AKADEMIA NAUK AZERBAIDZHANSKOI SSR. Institut botaniki. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Botany, Transactions]. Baku, vol. 23, 1962.

AKADEMIA NAUK AZERBAIDZHANSKOI SSR. Institut genetiki i selektsii. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Genetics and Plant Breeding, Transactions]. Baku, vol. 2, 1962.

*AKADEMIA NAUK SSSR. Institut vysshei nervnoi deiatel'nosti. Trudy, Seriya fiziologicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Higher Nervous Function, Transactions, Physiological Series]. Moscow, vol. 7, 1962.

AKADEMIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Institute of Biology, Transactions]. Sverdlovsk, no. 20, 1962.

AKADEMIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Salekhardskii stantsionar. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Salekhard Station, Transactions]. Sverdlovsk, no. 2, 1962. Contents: Leshchinskaya, A. S. [Zooplankton and benthos of the Ob' Bay as food for fishes] Zooplankton i bentos Obiskoi guly kak kormovaya baza dlia ryb. 75 p.

AKADEMIA NAUK UZBEKSKOI SSR, Tashkent. Botanicheskii sad. Introduktsiya i akklimatizatsiya rastenii [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Botanical Garden. Introduction and Acclimatization of Plants]. No. 1, 1962.

BIOLOGIYA V SHKOLE [BIOLOGY IN SCHOOLS]. Organ of Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, nos. 5-6, Sep.-Dec. 1962.

DARVINSKII GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [DARWIN STATE PRESERVE, Transactions]. Vologda, no. 7, 1961.

FAUNA SSSR [FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 83. Molluski [Mollusks], vol. 3, no. 4, 1962. Contents: Likharev, I. M. [Clausiliidae] Klausiliidy (Clausiliidae). 317 p.

No. 84. Nasekomye pereponchatokrylye [Hymenoptera] vol. 13, 1962. Contents: Shtenberg, D. M. [Family Scollidae] Sem. skollii (Scollidae). 185 p.

*FIZIOLOGICHESKII ZHURNAL SSSR [PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.]. Issued by Vsesoyuznoe fiziologicheskoe obshchestvo [All-Union Physiological Society]. Moscow, vol. 48, no. 12, Dec. 1962.

KHOPERSKII GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [KHOPER STATE PRESERVE, Transactions]. No. 5, 1961.

KOMAROVSKIE CHTENIYA [KOMAROV LECTURES]. Issued by Botanicheskii institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 15, 1962. Contents: Lavrenko, E. M. [Basic characteristics of the botanical geography of the deserts of Eurasia and North Africa] Osnovnye cherty botanicheskoi geografii pustyn' Evrazii i Sovornoj Afriki. 187 p.

LATVIJAS ENTOMOLOGS [LATVIAN ENTOMOLOGIST]. Issued by Vissavienibas entomologijas biedriba Latvijas nodala [Latvian Branch of the All-Union Entomological Society]. Riga, no. 5, 1962. [In Latvian and Russian]

LOODUSKAITSE BULLETAAN [BULLETIN ON CONSERVATION]. Issued by Eesti NSV Teaduste Akadeemia Looduskaitse Komisjon [Committee on Conservation of the Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 2, 1961. [In Estonian]

MIGRATSII ZHIVOTNYKH [MIGRATION OF ANIMALS]. Issued by Komissiya po okhrane prirody Akademii nauk SSSR [Commission for the Protection of Nature of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1962.

MOSCOW. GLAVNYI BOTANICHESKII SAD. Biulleten' [MAIN BOTANICAL GARDEN, Bulletin]. No. 46, 1962.

OPREDELITELI PO FAUNE SSSR [GUIDES TO THE FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 80, 1962. Contents: Bykhovskaya-Pavlovskaya, I. E., and others. [Guide to the parasites of freshwater fishes in the U.S.S.R.] Opredelitel' parazitov prsnovodnykh ryb SSSR. 770 p.

ORNITOLOGIYA [ORNITHOLOGY]. Issued by Glavnoe upravlenie okhotnich'ego khoziaistva i zapovednikov pri Sovete Ministrov RSFSR [Main Administration for Game Management and Preserves, Attached to the Council of Ministers of the R.S.F.S.R.]. Moscow, no. 5, 1962.

RADIOBIOLOGIYA [RADIOBIOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, 1963.

RASTITEL'NOST' KRANEGO SEVERA SSSR I EE OSVOENIE [VEGETATION OF THE FAR NORTH OF THE U.S.S.R. AND ITS UTILIZATION]. Issued by Botanicheskii institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, 1963. Contents: Minlaev, N. A. [Structure of plant associations; based on research material on the blueberry-crowberry series of associations in the Khibiny Mountains] Struktura rastitel'nykh assotsiatsii; po materialam issledovaniia chernichno-voronichnoi seri assotsiatsii v Khibinskoi gornom masive. 260 p.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAYA KHIMIYA (Odel'nyi vypusk 30f) [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate Issue 30f)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-7, Jan.-Apr. 1963.

REFERATIVNYI ZHURNAL: BIOLOGIYA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-5, Feb.-March 1963.

SBORNIK ENTOMOLOGICHESKIKH RABOT [ENTOMOLOGICAL PAPERS]. Issued by Akademii nauk Kirgizskoi SSR and Kirgizskoe otdelenie Vsesoyuznogo entomologicheskogo obshchestva [Academy of Sciences of the Kirgiz S.S.R. and the Kirgiz Branch of the All-Union Entomological Society]. Frunze, no. 1, 1962.

UKRAINSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT FIZIOLOGII RASTENII. Nauchnye trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF PLANT PHYSIOLOGY, Studies]. Kiev, no. 23, 1962.

UKRAINS'KYI BOTANICHNYI ZHURNAL [UKRAINIAN BOTANICAL JOURNAL]. Issued by Institut botaniki Akademii nauk URSR [Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 10, no. 6, 1962.

VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 4(25), 1962; vol. 3, no. 1(26), 1963.

J. CHEMISTRY

AKADEMIA NAUK ARMIAKSKOI SSR, Eriyan. Izvestiia. Khimicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Chemical Sciences]. Eriyan, vol. 15, nos. 5-6, 1962.

AKADEMIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut khimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Institute of Chemistry, Transactions]. Sverdlovsk, no. 6, 1961. Sbornik rabot Laboratorii lesokhimii [Papers of the Laboratory of Wood Chemistry], no. 4.

KISHINEV, UNIVERSITET. Trudy po khimii prirodnykh soedinenii [UNIVERSITY, Papers on the Chemistry of Natural Compounds]. No. 3, 1960.

MOSCOW. VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimii; statisticheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE, Chemistry; Classified Index of Articles in Foreign Periodicals]. No. 1(111), 1963.

RADIOKHIMIYA [RADIOCHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 1, 1963.

*USPEKHI KHIMII [PROGRESS IN CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 31, no. 12, Dec. 1962; vol. 32, no. 1, Jan. 1963.

UZBEKSKII KHIMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL]. Issued by Akademii nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, no. 6, 1962.

*VYSOKOMOLEKULIARNE SOEDINENIYA [MACROMOLECULAR COMPOUNDS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 2, Feb. 1963.

*ZHURNAL ANALITICHESKOKHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 9, Dec. 1962.

*ZHURNAL NEORGANICHESKOKHIMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 12, Dec. 1962.

*ZHURNAL OBSHCHEI KHIMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 2, Feb. 1963. Ukazatel' k tomu 32 za 1962 [Index to vol. 32 for 1962]

*ZHURNAL STRUKTURNOKHIMII [JOURNAL OF STRUCTURAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

e. MATHEMATICS

AKADEMIA NAUK SSSR. Izvestiia. Seriya matematicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Mathematical Series]. Moscow, vol. 27, no. 1, Jan.-Feb. 1963.

AKADEMIA NAUK SSSR. Matematicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mathematical Institute, Transactions]. Moscow, vol. 63, 1962. Contents: Aleksandrov, A. D., Zalgaller, V. A. [Two-dimensional manifolds of bounded curvature; fundamentals of the internal geometry of surfaces] Dvumernye mnogobraziia organicheskoi krivizny; osnovy vnutrennei geometrii poverkhnosti. 262 p.

Vol. 67, 1962.

Vol. 68, 1962.

Contents: Dozlin, A. A. [Invariant differential operators and boundary value problems] Invariantnye differentsial'nye operatory i granichnye zadachi. 87 p.

CHEKOSLOVATSKII MATEMATICHESKII ZHURNAL [CZECHOSLOVAK MATHEMATICAL JOURNAL]. Issued by Matematicheskii institut Chexoslovatskoi akademii nauk [Institute of Mathematics of the Czechoslovak Academy of Sciences]. Prague, vol. 13(88), no. 1, 1963.

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 60(102), no. 1, Jan. 1963.

MOSCOW, UNIVERSITET, Vestnik. Seriya 1: Matematika, mekhanika [UNIVERSITY, Review, Series 1: Mathematics, Mechanics]. No. 6, Nov.-Dec. 1962.

OBOBSHCENNYE FUNKTSII [GENERALIZED FUNCTIONS]. Moscow, no. 5, 1962. Contents: Gelfand, I. M., Graev, M. I., Vilenkin, N. I. A. [Integral geometry and problems of the theory of representations connected with it] Integral'naya geometriia i svyazannye s nei voprosy teorii predstavlenii. 656 p.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

*USPEKHI MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademii nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 18, no. 1(109), Jan.-Feb. 1963.

ZBIRNYK PRATS' Z OBCHISLIUVAL'NOI MATEMATIKY I TEKHNIKY [PAPERS ON COMPUTER MATHEMATICS AND ENGINEERING]. Issued by Obchysliuval'nyi tsentr Akademii nauk URSR [Computation Center of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 1, 1961.

*ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOKHIMII [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, Jan.-Feb. 1963.

B 12c-13c

AKADEMIA NAUK SSSR. Laboratoriya geologii dokembrii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Laboratory of the Geology of the Pre-Cambrian. Transactions]. Moscow, no. 14, 1982. Contents: Shurkin, K.A., and others. [Belomorsk complex of northern Karelia and the southwestern part of the Kola Peninsula; geology and pegmatite potential] Belomorskii kompleks Severnoi Karelii i lugo-zapada Kol'skogo polostrova; geologiya i pegmatitizatsiya. 305 p.

No. 16, 1983.

Contents: Krats, K.O. [Geology of Karelian folding in Karelia] Geologiya Karelii Karelii. 209 p.

AKADEMIA NAUK SSSR. Mineralogicheskii muzei. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mineralogical Museum. Transactions]. Moscow, no. 13, 1982.

AKADEMIA NAUK SSSR. Paleontologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Paleontology. Transactions]. Moscow, vol. 58, 1982.

Contents: Ivanova, E.A. [Ecology and development of Silurian and Devonian brachiopods in the Kuznetsk, Minusinsk, and Tuva Basins] Ekologiya i razvitiye brachyopod silura i devona Kuznetskogo, Minusinskogo i Tuvinskogo basseinov. 148 p.

Vol. 91, 1982.

Contents: Eberzin, A.G. [Cardiidae inhabiting brackish waters in the Pliocene of the U.S.S.R. Part 4: Genus Didacna Eichwald, subgenera Pontalmyra and Cassadacna; 29 plates and 2 illustrations] Solonovavodnye kardiidy plitsena SSSR. Chast' 4: Rod Didacna Eichwald, podrody Pontalmyra i Cassadacna; s 29 tablitsami i 2 risunkami v tekste. 178 p.

Vol. 92, 1982.

Contents: Grigor'eva, A.D. [Productidae of the Kazan stage in the Russian Platform and conditions of their existence] Produktidy kazanskogo iurusa Russkoi platformy i uslovia ikh sushchestvovaniya. 91 p. 16 plates.

Vol. 93, 1982.

Contents: Vologdin, A.G. [Archaeocyatha and algae from the Cambrian of the Balkan Upland] Arkheotsity i vodoresil kembrii Balkal'skogo nagor'ya. 115 p. 21 plates.

AKADEMIA NAUK SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Geology and Geophysics. Transactions]. Novosibirsk, no. 12, 1981.

Contents: [Materials on tectonic terminology. Part 1: Large crustal structures and geological formations] Materialy po tektonicheskoi terminologii. Chast' 1: Krupnye struktury zemnoi kory i geologicheskie formatsii. 154 p.

AKADEMIA NAUK SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. East Siberian Geological Institute. Transactions]. Moscow, no. 4, 1982.

Contents: Odintsov, M.M., and others. [Structure, volcanism, and diamond potential of the Irkutsk amphitheater] Struktura, vulkanizm ialmazonosnost' Irkut'skogo amfiteatra. 176 p.

No. 8, 1982.

Contents: Belichenko, V.G., and others. [Outline of the geology and petrography of the southern margin of the Vitim Plateau (northwestern Transbaikalia)] Geologo-petrograficheskii ocherk tuzhnoi okrainy Vitimskogo ploskogor'ya (Severo-Zapadnoe Zabaykalye). 168 p.

AKADEMIA NAUK SSSR. Ural'skii filial. Sverdlovsk. Gorno-geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Mining-Geological Institute. Transactions]. Sverdlovsk, no. 60, 1981.

Contents: Smirnov, G.A., Smirnova, T.A. [Materials on the paleogeography of the Urals. Part 3: Famennian age] Materialy k paleogeografii Urals. Ocherk 3: Famennskii vek. 83 p.

AKADEMIA NAUK URSS. Kiev. Institut geotektoniki nauk. Trudy. Seriya geotektonika [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geological Sciences. Transactions. Series in Geotectonics]. Kiev, no. 10, 1982.

Contents: Bondarchuk, V.G. [Tectonics of the Carpathians; with a map on a scale 1:1,000,000] Tektonika Karpat; s kartoi masshtaba 1:1 000 000. 113 p.

[MICROFILM]

GEOLOGICHNYI ZHURNAL [GEOLOGICAL JOURNAL]. Issued by Viddil khimichnykh i geologichnykh nauk Akademii nauk URSS and Holovne upravlinnia nauk Akademii nauk URSS and Holovne upravlinnia geologii i okhorony nadr pry Radi Ministriv URSS [Department of Chemical and Geological Sciences of the Academy of Sciences of the Ukrainian S.S.R. and Main Administration of the Geology and Conservation of Mineral Resources, Attached to the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 22, no. 6, 1982.

LENINGRAD. VSESOUZNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE. Transactions]. Moscow, vol. 75, 1982. Biostratigraphia paleozola Sibirskoi platformy; ordovik i silur. [Biostratigraphy of the Paleozoic in the Siberian Platform; Ordovician and Silurian]. no. 4. Contents: Vostokova, V.A. [Ordovician and Silurian gastropods in the Siberian Platform] Ordovikskie i siluriskie gastropody Sibirskoi platformy. 45 p.

MATERIALY PO GEOLOGII I POLEZNYM ISKOPAEVYM URALA [MATERIALS ON THE GEOLOGY AND MINERAL RESOURCES OF THE URALS]. Issued by Ural'skoe geologicheskoe upravlenie [Ural Geological Administration]. Moscow, no. 10, 1982.

MATERIALY PO GEOLOGII TSENTRAL'NOGO KAZAKHSTANA [MATERIALS ON THE GEOLOGY OF CENTRAL KAZAKHSTAN]. Issued by Moskovskii gosudarstvennyi universitet [Moscow State University]. Moscow, vol. 5, 1982. Contents: Filatova, L.I. [Pre-Cambrian of the Ulu-Tau] Dokenbrii Ulu-Tau. 322 p.

REFERATIVNYI ZHURNAL: GEOLOGIIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb. - March 1983. Avtorskii ukazatel' za 1982 g. [Author Index for 1982]

SIBIRSKII NAUCHNO-ISLEDOVATELSKII INSTITUT GEOLOGII, GEOPHIZIKI I MINERAL'NOGO SYRIA. Trudy [SIBIRIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES. Transactions]. Leningrad, no. 13, 1980.

*SOVETSKAIA GEOLOGIIA [SOVIET GEOLOGY]. Organ of Ministerstvo geologii i okhrany nedr SSSR [Ministry of Geology and the Conservation of Mineral Resources of the U.S.S.R.]. Moscow, vol. 5, no. 12, Dec. 1982.

UZBEKSKII GEOLOGICHESKII ZHURNAL [UZBEK GEOLOGICAL JOURNAL]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, no. 6, 1982.

VSESOUZNOE MINERALOGICHESKOE OBSHCHESTVO. Zapiski [ALL-UNION MINERALOGICAL SOCIETY. Annals]. Moscow, vol. 91, no. 6, 1982.

13. SCIENCE

a. GENERAL

*AKADEMIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports]. Moscow, vol. 147, no. 6, Dec. 1982; vol. 148, nos. 1-3, Jan. 1983; vol. 149, no. 1, March 1983.

AKADEMIA NAUK SSSR. Institut istorii estestvoznaniia i tekhniki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the History of Natural Sciences and Technology. Transactions]. Moscow, vol. 39, 1982.

AKADEMIA NAUK URSS. Kiev. Dopovidy [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports]. Kiev, no. 12, 1982.

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, nos. 1(71)-2(72), Jan. - Feb. 1983. [In Uzbek]

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE]. Issued by Lietuvos TSR Politiniu ir moksliniu ziniu skleidimo draugija [Society for Dissemination of Political and Scientific Knowledge of the Lithuanian S.S.R.]. Vilnius, no. 2(68), Feb. 1983. [In Lithuanian]

NOVYE KNIGI ZA RUBEZHOM. Seriya A: Matematika, mekhanika, astronomiya, fizika, geofizika, khimiya, geologiya [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 16, nos. 2-3, Feb. - March 1983.

PRIRODA [NATURE]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 52, no. 2, 1983.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po professional'no-tekhnicheskomu obrazovaniiu [State Committee of the Council of Ministers of the U.S.S.R. for Industrial Training]. Moscow, vol. 37, no. 12, Dec. 1982.

b. ASTRONOMY

AKADEMIA NAUK SSSR. Astronomicheskii sovet. Biulleten' stantsii opticheskogo nabludeniia tekhnicheskikh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Astronomical Council. Bulletin of the Stations for Optical Observation of Artificial Earth Satellites]. Moscow, no. 20, 1982.

AKADEMIA NAUK SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabludeniia sovetskikh iskusstvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]. Moscow, no. 52, 1982.

*GOEDEZIYA I KARTOGRAFIYA [GEODESY AND CARTOGRAPHY]. Organ of Glavnoe upravlenie geodezii i kartografiy Ministerstva geologii i okhrany nedr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no. 12, Dec. 1982; no. 1, Jan. 1983.

MOSCOW. UNIVERSITET. Gosudarstvennyi astronomicheskii institut. Trudy [UNIVERSITY. State Astronomical Institute. Transactions]. Vol. 32, 1982. Contents: Vorontsov-Vel'iaminov, B.A., Kravtsovskaya, A.A. [Morphological catalog of galaxies Part 1. Catalog of 7,200 galaxies with declinations from +90° to +45°] Morfologicheskii katalog galaktik. Chast' 1. Katalog 7,200 galaktik ot +90° do +45° skloneniia. 205 p. [With summary in English]

REFERATIVNYI ZHURNAL: ASTRONOMIYA [Olden'nyi vypusk 51] [JOURNAL OF ABSTRACTS: ASTRONOMY (Separate Issue 51)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3 Jan.-Mr '83.

REFERATIVNYI ZHURNAL: GOEDEZIYA [Olden'nyi vypusk 52] [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan. - Feb. 1983.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchobnykh zavedenii: geodeziya i aerofotost'emka [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning: Geodesy and Aerial Photography]. Moscow, no. 4, 1982.

ZVAIGZNOTA DEBESS [STARRY SKY]. Issued by Latvijas PSR Zinatnu akademijas Astrofizikas laboratorija [Astrophysical Laboratory of the Academy of Sciences of the Latvian S.S.R.]. Riga, Summer-Autumn, 1982. [In Latvian]

c. BIOLOGY

AKADEMIA NAUK ARMIAANSKOI SSR, Eriyan. Izvestiia. Biologicheskii nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Biological Sciences]. Eriyan, vol. 16, no. 8, Aug. 1982.

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut botaniki. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Botany. Transactions]. Baku, vol. 23, 1982.

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut genetiki i selektsii. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Genetics and Plant Breeding. Transactions]. Baku, vol. 2, 1982.

*AKADEMIA NAUK SSSR. Institut vysshei nervnoi defektologii. Trudy. Seriya fiziologicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Higher Nervous Function, Transactions. Physiological Series]. Moscow, vol. 7, 1962.

AKADEMIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Institute of Biology, Transactions]. Sverdlovsk, no. 20, 1962.

AKADEMIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Salekhardskii stantsionar. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Salekhard Station, Transactions]. Sverdlovsk, no. 2, 1962. Contents: Leshchinskaya, A. S. [Zooplankton and benthos of the Ob' Bay as food for fishes] Zooplankton i bentos Ob'skoi guly kak kormovaya baza dlia ryb. 75 p.

AKADEMIA NAUK UZBEKSKOI SSR, Tashkent. Botani-cheskii sad. Introduktsiya i akklimatizatsiya rastenii [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Botanical Garden. Introduction and Acclimatization of Plants]. No. 1, 1962.

BIOLOGIYA V SHKOLE [BIOLOGY IN SCHOOLS]. Organ of Ministerstva prosvetsheniya RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, nos. 5-6, Sep.-Dec. 1962.

DARVINSKI GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [DARWIN STATE PRESERVE, Transactions]. Vologda, no. 7, 1961.

FAUNA SSSR [FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii Institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 83. Molluski [Mollusks], vol. 3, no. 4, 1962. Contents: Likharev, I. M. [Clausulidae] Klausulidy (Clausulidae). 317 p.

No. 84. Nasekomye pereponchatokrylye [Hymenoptera] vol. 13, 1962. Contents: Shteinberg, D. M. [Family Scollidae] Sem. skollii (Scollidae). 185 p.

*FIZIOLOGICHESKII ZHURNAL SSSR [PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.]. Issued by Vsesoiuznoe fiziologicheskoe obshchestvo [All-Union Physiological Society]. Moscow, vol. 48, no. 12, Dec. 1962.

KHOPERSKII GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [KHOPER STATE PRESERVE, Transactions]. No. 6, 1961.

KOMAROVSKIE CHTENIYA [KOMAROV LECTURES]. Issued by Botanicheskii Institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 15, 1962. Contents: Lavrenko, E. M. [Basic characteristics of the botanical geography of the deserts of Eurasia and North Africa] Osnovnye cherty botanicheskoi geografi pustyn' Evrazii i Severnoi Afriki. 167 p.

LATVIJAS ENTOMOLOGS [LATVIAN ENTOMOLOGIST]. Issued by Vissavienibas entomologijas biedribas Latvijas nodala [Latvian Branch of the All-Union Entomological Society]. Riga, no. 5, 1962. [In Latvian and Russian]

LOODUSKAITSE BULLETAAN [BULLETIN ON CONSERVATION]. Issued by Eesti NSV Teaduste Akadeemia Looduskaitse Komisjon [Committee on Conservation of the Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 2, 1961. [In Estonian]

MIGRATSII ZHIVOTNYKH [MIGRATION OF ANIMALS]. Issued by Komissiya po okhrane prirody Akademii nauk SSSR [Commission for the Protection of Nature of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1962.

MOSCOW. GLAVNYI BOTANICHESKII SAD. Biulleten' [MAIN BOTANICAL GARDEN, Bulletin]. No. 45, 1962.

OPREDELITELI PO FAUNE SSSR [GUIDES TO THE FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii Institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 80, 1962. Contents: Bykhovskaya-Pavlovskaya, I. E., and others. [Guide to the parasites of freshwater fishes in the U.S.S.R.] Opredelitel' parazitov presnovodnykh ryb SSSR. 776 p.

ORNITOLOGIYA [ORNITHOLOGY]. Issued by Glavnoe upravleniye okhotnich'ego khoziaistva i zapovednikov pri Sovetskom Ministre RSFSR [Main Administration for Game Management and Preserves, Attached to the Council of Ministers of the R. S. F. S. R.]. Moscow, no. 5, 1962.

RADIOBIOLOGIYA [RADIOBIOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, 1963.

RASTITEL'NOST' KRANIEGO SEVERA SSSR I EE OSVOENIE [VEGETATION OF THE FAR NORTH OF THE U.S.S.R. AND ITS UTILIZATION]. Issued by Botanicheskii Institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, 1963. Contents: Minlaev, N. A. [Structure of plant associations; based on research material on the blueberry-crowberry series of associations in the Khibiny Mountains] Struktura rastitel'nykh assotsiatsii; po materialam issledovaniia chernichno-voronichnoi serii assotsiatsii v Khibinskoi gornoi massive. 260 p.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAYA KHIMIYA (Otdel'nyi vypusk 30f) [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate Issue 30f)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-7, Jan.-Apr. 1963.

REFERATIVNYI ZHURNAL: BIOLOGIYA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-5, Feb.-March 1963.

SBORNIK ENTOMOLOGICHESKIKH RABOT [ENTOMOLOGICAL PAPERS]. Issued by Akademii nauk Kirgizskoi SSR and Kirgizskoe otdeleniye Vsesoiuznogo entomologicheskogo obshchestva [Academy of Sciences of the Kirgiz S.S.R. and the Kirgiz Branch of the All-Union Entomological Society]. Frunze, no. 1, 1962.

UKRAINSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT FIZIOLOGII RASTENII. Nauchnye trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF PLANT PHYSIOLOGY. Studies]. Kiev, no. 23, 1962.

UKRAINS'KYI BOTANICHNYI ZHURNAL [UKRAINIAN BOTANICAL JOURNAL]. Issued by Instytut botaniky Akademii nauk URSR [Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 19, no. 6, 1962.

VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 4(25), 1962; vol. 3, no. 1(20), 1963.

d. CHEMISTRY

AKADEMIA NAUK ARMJANSKOI SSR, Eriyan. Izvestiya. Khimicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Chemical Sciences]. Eriyan, vol. 15, nos. 5-6, 1962.

AKADEMIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut khimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Institute of Chemistry, Transactions]. Sverdlovsk, no. 6, 1961. Sbornik rabot Laboratorii Issookhimi [Papers of the Laboratory of Wood Chemistry], no. 4.

KISHINEV, UNIVERSITET. Trudy po khimii prirodnykh soedinenii [UNIVERSITY. Papers on the Chemistry of Natural Compounds]. No. 3, 1960.

MOSCOW. VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimiya; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry; Classified Index of Articles in Foreign Periodicals]. No. 1(111), 1963.

RADIOKHIMIYA [RADIOCHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 1, 1963.

*USPEKHI KHIMII [PROGRESS IN CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 31, no. 12, Dec. 1962; vol. 32, no. 1, Jan. 1963.

UZBEKSKII KHIMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, no. 6, 1962.

*VYSOKOMOLEKULARNYE SOEDINENIYA [MACROMOLECULAR COMPOUNDS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 2, Feb. 1963.

*ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 9, Dec. 1962.

*ZHURNAL NEORGANICHESKOI KHIMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 12, Dec. 1962.

*ZHURNAL OBSHCHEI KHIMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 2, Feb. 1963. Ukazatel' k tomu 32 za 1962 [Index to vol. 32 for 1962]

*ZHURNAL STRUKTURNOI KHIMII [JOURNAL OF STRUCTURAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

e. MATHEMATICS

AKADEMIA NAUK SSSR. Izvestiya. Seriya matematicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mathematical Series]. Moscow, vol. 27, no. 1, Jan.-Feb. 1963.

AKADEMIA NAUK SSSR. Matematicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mathematical Institute. Transactions]. Moscow, vol. 63, 1962. Contents: Aleksandrov, A. D., Zalgaller, V. A. [Two-dimensional manifolds of bounded curvature; fundamentals of the internal geometry of surfaces] Dvumernye mnogoobraziia organicheskoi krivizny; osnovy vnutrennei geometrii poverkhnosti. 262 p.

Vol. 67, 1962.

Vol. 68, 1962.

Contents: Dezin, A. A. [Invariant differential operators and boundary value problems] Invariantnye differentsial'nye operatory i granichnye zadachi. 87 p.

CHEKOSLOVATSKII MATEMATICHESKII ZHURNAL [CZECHOSLOVAK MATHEMATICAL JOURNAL]. Issued by Matematicheskii Institut Českoslovačské akademii nauk [Institute of Mathematics of the Czechoslovak Academy of Sciences]. Prague, vol. 13(88), no. 1, 1963.

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 60(102), no. 1, Jan. 1963.

MOSCOW, UNIVERSITET. Vestnik. Seriya 1: Matematika, mekhanika [UNIVERSITY. Review. Series 1: Mathematics, Mechanics]. No. 6, Nov.-Dec. 1962.

OBOBSHCENNYE FUNKTSII [GENERALIZED FUNCTIONS]. Moscow, no. 6, 1962. Contents: Gel'fand, I. M., Graev, M. I., Vilenkin, N. I. A. [Integral geometry and problems of the theory of representations connected with it] Integral'naya geometriya i svyazannyye s nei voprosy teorii predstavlenii. 656 p.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdeleniye Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

*USPEKHI MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademiya nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 19, no. 1(100), Jan.-Feb. 1963.

ZBIRNYK PRATS' Z OBCHYSLUVAL'NOI MATEMATYKY I TEKHNIKY [PAPERS ON COMPUTER MATHEMATICS AND ENGINEERING]. Issued by Obchysluval'nyi tsentr Akademii nauk URSR [Computation Center of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 1, 1961.

*ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, Jan.-Feb. 1963.

B 12c-13c

AKADEMIA NAUK SSSR. Laboratoriya geologii dokumbrila. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Laboratory of the Geology of the Pre-Cambrian, Transactions]. Moscow, no. 14, 1962.
Contents: Shurkin, K.A., and others. [Belomorsk complex of northern Karelia and the southwestern part of the Kola Peninsula; geology and pegmatite potential] Belomorskii kompleks Severnoi Kareli i lugo-zapada Kol'skogo poluostrova; geologiya i pegmatitnosost'. 305 p.

No. 16, 1963.

Contents: Krats, K.O. [Geology of Karelian folding in Karelia] Geologiya karelii Karelii. 209 p.

AKADEMIA NAUK SSSR. Mineralogicheskii muzej. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mineralogical Museum, Transactions]. Moscow, no. 13, 1962.

AKADEMIA NAUK SSSR. Paleontologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Paleontology, Transactions]. Moscow, vol. 38, 1962.

Contents: Ivanova, E.A. [Ecology and development of Silurian and Devonian brachiopods in the Kuznetsk, Minusinsk, and Tuva Basins] Ekologiya i razvitiye brachiopod silura i devona Kuznetskogo, Minusinskogo i Tuvinskogo basseinov. 149 p.

Vol. 91, 1962.

Contents: Eberzin, A.G. [Cardiidae inhabiting brackish waters in the Pliocene of the U.S.S.R. Part 4: Genus Didacna Eichwald, subgenera Pontalmira and Cassidacna; 20 plates and 2 illustrations] Solonovotvodnye kardiidy plitsena SSSR. Chast' 4: Rod Didacna Eichwald, podrody Pontalmira i Cassidacna; s 20 tablitsami i 2 risunkami v tekste. 178 p.

Vol. 92, 1962.

Contents: Grigor'eva, A.D. [Productidae of the Kazan stage in the Russian Platform and conditions of their existence] Produktidy kazanskogo iarusu Russkoi platformy i uslovia ikh suzhchestvovaniya. 91 p. 16 plates.

Vol. 93, 1962.

Contents: Vologdin, A.G. [Archaeocyatha and algae from the Cambrian of the Baikal Upland] Arheotsisty i vodorosli kembrii Baikal'skogo nagor'ia. 115 p. 21 plates.

AKADEMIA NAUK SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, Institute of Geology and Geophysics, Transactions]. Novosibirsk, no. 12, 1961.

Contents: [Materials on tectonic terminology. Part 1: Large crustal structures and geological formations] Materialy po tektonicheskoi terminologii. Chast' 1: Krupnye struktury zemnoi kory i geologicheskie formatsii. 154 p.

AKADEMIA NAUK SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, East Siberian Geological Institute, Transactions]. Moscow, no. 4, 1962.

Contents: Odintsov, M.M., and others. [Structure, volcanism, and diamond potential of the Irkutsk amphitheater] Struktura, vulkanizm ialmaznostonost' Irkut'skogo amfiteatra. 176 p.

No. 8, 1962.

Contents: Belichenko, V.G., and others. [Outline of the geology and petrography of the southern margin of the Vitim Plateau (northwestern Transbaikalia)] Geologo-petrograficheskii ocherk luzhnoi okrainy Vitim'skogo ploskogor'ia (Severo-Zapadnoe Zabaikal'e). 166 p.

AKADEMIA NAUK SSSR. Ural'skii filial. Sverdlovsk. Gorno-geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Mining-Geological Institute, Transactions]. Sverdlovsk, no. 60, 1961.

Contents: Smirnov, G.A., Smirnova, T.A. [Materials on the paleogeography of the Urals. Part 3: Famennian age] Materialy k paleogeografii Urals. Ocherk 3: Famenskii vek. 83 p.

AKADEMIA NAUK URSS. Kiev. Institut geologicheskikh nauk. Trudy. Seriya geotektoniki [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geological Sciences, Transactions. Series in Geotectonics]. Kiev, no. 10, 1962.

Contents: Bondarchuk, V.G. [Tectonics of the Carpathians; with a map on a scale 1:1,000,000] Tektonika Karpat; s kartoi masshtaba 1:1 000 000. 113 p.

[MICROFILM]

GEOLOGICHNYI ZHURNAL [GEOLOGICAL JOURNAL].

Issued by Viddi khimichnykh i geologichnykh nauk Akademii nauk URSS and Holovne upravlinnia geologii i okhorony nadr pry Radi Ministriv URSS [Department of Chemical and Geological Sciences of the Academy of Sciences of the Ukrainian S.S.R. and Main Administration of the Geology and Conservation of Mineral Resources, Attached to the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 22, no. 6, 1962.

LENINGRAD. VSESOUZNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE, Transactions]. Moscow, vol. 75, 1962. Biostratigrafiya paleozoya Sibirskoi platformy; ordovik i silur. [Biostratigraphy of the Paleozoic in the Siberian Platform; Ordovician and Silurian], no. 4.
Contents: Vostokova, V.A. [Ordovician and Silurian gastropods in the Siberian Platform] Ordovikske i silurskie gastropody Sibirskoi platformy. 45 p.

MATERIALY PO GEOLOGII I POLEZNYM ISKOPAEMYM URALA [MATERIALS ON THE GEOLOGY AND MINERAL RESOURCES OF THE URALS]. Issued by Ural'skoe geologicheskoe upravlenie [Ural Geological Administration]. Moscow, no. 10, 1962.

MATERIALY PO GEOLOGII TSENTRAL'NOGO KAZAKHSTANA [MATERIALS ON THE GEOLOGY OF CENTRAL KAZAKHSTAN]. Issued by Moskovskii gosudarstvennyi universitet [Moscow State University]. Moscow, vol. 5, 1962.

Contents: Filatova, L.I. [Pre-Cambrian of the Ulu-Tau] Dokembrii Ulu-Tau. 322 p.

REFERATIVNYI ZHURNAL GEOLOGII [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb.-March 1963. Avtorskii ukazatel' za 1962 g. [Author Index for 1962]

SIBIRSKII NAUCHNO-ISLEDOVATEL'SKII INSTITUT GEOLOGII, GEOFIZIKI I MINERAL'NOGO SYR'IA. Trudy [SIBERIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES, Transactions]. Leningrad, no. 13, 1960.

*SOVETSKAYA GEOLOGIIA [SOVIET GEOLOGY]. Organ of Ministerstvo geologii i okhrany nedr SSSR [Ministry of Geology and the Conservation of Mineral Resources of the U.S.S.R.]. Moscow, vol. 5, no. 12, Dec. 1962.

UZBEKSKII GEOLOGICHESKII ZHURNAL [UZBEK GEOLOGICAL JOURNAL]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 4, no. 6, 1962.

VSESOUZNOE MINERALOGICHESKOE OBSHCHESTVO. Zapiski [ALL-UNION MINERALOGICAL SOCIETY, Annals]. Moscow, vol. 91, no. 6, 1962.

13. SCIENCE

a. GENERAL

*AKADEMIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports]. Moscow, vol. 147, no. 5, Dec. 1962; vol. 148, nos. 1-3, Jan. 1963; vol. 149, no. 1, March 1963.

AKADEMIA NAUK SSSR. Institut istorii estestvoznaniia i tekhniki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the History of Natural Sciences and Technology, Transactions]. Moscow, vol. 38, 1962.

AKADEMIA NAUK URSS. Kiev. Dopovidy [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports]. Kiev, no. 12, 1962.

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, nos. 1(71)-2(72), Jan.-Feb. 1963. [In Uzbek]

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE]. Issued by Lietuvos TSR Politiniu ir moksliniu ziniu skleidimo draugija [Society for Dissemination of Political and Scientific Knowledge of the Lithuanian S.S.R.]. Vilnius, no. 2(65), Feb. 1963. [In Lithuanian]

NOVYE KNIGI ZA RUBEZHOM. Seriya A: Matematika, mekhanika, astronomiya, fizika, geofizika, khimiya, geologiya [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 16, nos. 2-3, Feb.-March 1963.

PRIRODA [NATURE]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 52, no. 2, 1963.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po professional'no-tekhnicheskomu obrazovaniiu [State Committee of the Council of Ministers of the U.S.S.R. for Industrial Training]. Moscow, vol. 37, no. 12, Dec. 1962.

b. ASTRONOMY

AKADEMIA NAUK SSSR. Astronomicheskii sovet. Biulleten' stantsii opticheskogo nabludeniia iskusstvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Astronomical Council. Bulletin of the Stations for Optical Observation of Artificial Earth Satellites]. Moscow, no. 29, 1962.

AKADEMIA NAUK SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabludeniia sovetskikh iskusstvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]. Moscow, no. 52, 1962.

*GODEZIYA I KARTOGRAFIYA [GEODESY AND CARTOGRAPHY]. Organ of Glavnoe upravlenie geodezii i kartografii Ministerstva geologii i okhrany nedr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no. 12, Dec. 1962; no. 1, Jan. 1963.

MOSCOW. UNIVERSITET. Gosudarstvennyi astronomicheskii institut. Trudy [UNIVERSITY. State Astronomical Institute, Transactions]. Vol. 32, 1962.

Contents: Vorontsov-Vel'minov, B.A., Krasnogorskii, A.A. [Morphological catalog of galaxies Part 1. Catalog of 7,200 galaxies with declinations from +00° to +45°] Morfologicheskii katalog galaktik. Chast' 1. Katalog 7,200 galaktik ot +00° do +45° skloneniia. 205 p. [With summary in English]

REFERATIVNYI ZHURNAL: ASTRONOMIYA [Oldel'nyi vypusk 51] [JOURNAL OF ABSTRACTS: ASTRONOMY (Separate Issue 51)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3 Jan.-Mar. '63.

REFERATIVNYI ZHURNAL: GODEZIYA [Oldel'nyi vypusk 52] [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; geodeziya i aerofotogrammetriya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography]. Moscow, no. 4, 1962.

ZVAIGZNOTA DEBESS [STARRY SKY]. Issued by Latvijas PSR Zinatnu akademijas Astrofizikas laboratorija [Astrophysical Laboratory of the Academy of Sciences of the Latvian S.S.R.]. Riga, Summer-Autumn, 1962. [In Latvian]

c. BIOLOGY

AKADEMIA NAUK ARMIAANSKOI SSR, Eriyan. Izvestiia. Biologicheskii nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Biological Sciences]. Eriyan, vol. 15, no. 8, Aug. 1962.

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut botaniki. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Botany, Transactions]. Baku, vol. 23, 1962.

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut genetiki i selektsii. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Genetics and Plant Breeding, Transactions]. Baku, vol. 2, 1962.

*AKADEMIA NAUK SSSR. Institut vysshei nervnoi deiatelnosti. Trudy. Seriya fiziologicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Higher Nervous Function. Transactions. Physiological Series]. Moscow, vol. 7, 1962.

AKADEMIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Institute of Biology. Transactions]. Sverdlovsk, no. 28, 1962.

AKADEMIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Salekhardskii stantsionar. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Salekhard Station. Transactions]. Sverdlovsk, no. 2, 1962. Contents: Leshchinskaya, A. S. [Zooplankton and benthos of the Ob' Bay as food for fishes] Zooplankton i benthos Obkol guly knk kormovalna baza dlia ryb. 75 p.

AKADEMIA NAUK UZBEKSKOI SSR, Tashkent. Botanicheskii sad. Introduktsiya i akklimatizatsiya rastenii [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Botanical Garden. Introduction and Acclimatization of Plants]. No. 1, 1962.

BIOLOGIYA V SHKOLE [BIOLOGY IN SCHOOLS]. Organ of Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, nos. 5-6, Sep.-Dec. 1962.

DARVINSKIY GOSUDARSTVENNIY ZAPOVEDNIK. Trudy [DARWIN STATE PRESERVE. Transactions]. Vologda, no. 7, 1961.

FAUNA SSSR [FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 83. Molluski [Mollusks], vol. 3, no. 4, 1962. Contents: Likharev, I. M. [Clausiliidae] Klausiliidy (Clausiliidae). 317 p.

No. 84. Nasekomye pereponchatokrylye [Hymenoptera] vol. 13, 1962. Contents: Shteinberg, D. M. [Family Scollidae] Sem. skollit (Scollidae). 185 p.

*FIZIOLOGICHESKII ZHURNAL SSSR [PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.]. Issued by Vsesoyuznoe fiziologicheskoe obshchestvo [All-Union Physiological Society]. Moscow, vol. 46, no. 12, Dec. 1962.

KHOPERSKII GOSUDARSTVENNIY ZAPOVEDNIK. Trudy [KHOPER STATE PRESERVE. Transactions]. No. 6, 1961.

KOMAROVSKIE CHTENIYA [KOMAROV LECTURES]. Issued by Botanicheskii institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 15, 1962. Contents: Lavrenko, E. M. [Basic characteristics of the botanical geography of the deserts of Eurasia and North Africa] Osnovnye cherty botanicheskoi geografii pustyn' Evrazii i Severnoi Afriki. 167 p.

LATVIJAS ENTOMOLOGS [LATVIAN ENTOMOLOGIST]. Issued by Vissavenibas entomologijas biedribas Latvijas nodala [Latvian Branch of the All-Union Entomological Society]. Riga, no. 5, 1962. [In Latvian and Russian]

LOODUSKAITSE BULLETAN [BULLETIN ON CONSERVATION]. Issued by Eesti NSV Toaduste Akadeemia Looduskaitse Komisjon [Committee on Conservation of the Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 2, 1961. [In Estonian]

MIGRATSII ZHIVOTNYKH [MIGRATION OF ANIMALS]. Issued by Komissiya po okhrane prirody Akademii nauk SSSR [Commission for the Protection of Nature of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1962.

MOSCOW. GLAVNYI BOTANICHESKII SAD, Biulleten' [MAIN BOTANICAL GARDEN. Bulletin]. No. 46, 1962.

OPREDELITELI PO FAUNE SSSR [GUIDES TO THE FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 80, 1962. Contents: Bykhovskaya-Pavlovskaya, I. E., and others. [Guide to the parasites of freshwater fishes in the U.S.S.R.] Opredelitel' parazitov presnovodnykh ryb SSSR. 776 p.

ORNITOLOGIYA [ORNITHOLOGY]. Issued by Glavnoe upravlenie khotnich'ego khoziaistva i zapovednikov pri Sovete Ministrov RSFSR [Main Administration for Game Management and Preserves, Attached to the Council of Ministers of the R. S. F. S. R.]. Moscow, no. 5, 1962.

RADIOBIOLOGIYA [RADIOBIOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, 1963.

RASTITEL'NOST' KRANIEGO SEVERA SSSR I EE OSVOENIE [VEGETATION OF THE FAR NORTH OF THE U.S.S.R. AND ITS UTILIZATION]. Issued by Botanicheskii institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, 1963. Contents: Minaev, N. A. [Structure of plant associations; based on research material on the blueberry-crowberry series of associations in the Khibiny Mountains] Struktura rastitel'nykh associatsii; po materialam issledovaniia chernichno-voronichnoi serii associatsii v Khibinskoi gornom masive. 260 p.

REFERATIVNIY ZHURNAL: BIOLOGICHESKAYA KHMIA (Odel'nyi vypusk 30f) [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate Issue 30f)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-7, Jan.-Apr. 1963.

REFERATIVNIY ZHURNAL: BIOLOGIYA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-5, Feb.-March 1963.

SBORNIK ENTOMOLOGICHESKIKH RABOT [ENTOMOLOGICAL PAPERS]. Issued by Akademii nauk Kirgizskoi SSR and Kirgizskoe otdelenie Vsesoyuznogo entomologicheskogo obshchestva [Academy of Sciences of the Kirgiz S.S.R. and the Kirgiz Branch of the All-Union Entomological Society]. Frunze, no. 1, 1962.

UKRAINSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT FIZIOLOGII RASTENII. Nauchnye trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF PLANT PHYSIOLOGY, Studies]. Kiev, no. 23, 1962.

UKRAINS'KYI BOTANICHNYI ZHURNAL [UKRAINIAN BOTANICAL JOURNAL]. Issued by Institut botaniky Akademii nauk URSS [Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 19, no. 6, 1962.

VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 4(25), 1962; vol. 3, no. 1(20), 1963.

d. CHEMISTRY

AKADEMIA NAUK ARMIAKSKOI SSR, Eriyan. Izvestiya. Khimicheskoe nauci [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Chemical Sciences]. Eriyan, vol. 15, nos. 5-6, 1962.

AKADEMIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut khimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Institute of Chemistry. Transactions]. Sverdlovsk, no. 6, 1961. Sbornik rabot Laboratorii tselulimii [Papers of the Laboratory of Wood Chemistry], no. 4.

KESHINEV, UNIVERSITET. Trudy po khimii prirodnykh soedinenii [UNIVERSITY. Papers on the Chemistry of Natural Compounds]. No. 3, 1960.

MOSCOW. VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimii; sistemicheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry; Classified Index of Articles in Foreign Periodicals]. No. 1(111), 1963.

RADIOKHMIA [RADIOCHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 1, 1963.

*USPEKHI KHMII [PROGRESS IN CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 31, no. 12, Dec. 1962; vol. 32, no. 1, Jan. 1963.

UZBEKSKII KHMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL]. Issued by Akademii nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, no. 6, 1962.

*VYSOKOMOLEKULIARNYE SOEDINENIYA [MACROMOLECULAR COMPOUNDS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 2, Feb. 1963.

*ZHURNAL ANALITICHESKOI KHMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 9, Dec. 1962.

*ZHURNAL NEORGANICHESKOI KHMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 12, Dec. 1962.

*ZHURNAL OBSHCHEI KHMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 2, Feb. 1963. Ukazatel' k tomu 32 za 1962 [Index to vol. 32 for 1962]

*ZHURNAL STRUKTURNOI KHMII [JOURNAL OF STRUCTURAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

e. MATHEMATICS

AKADEMIA NAUK SSSR. Izvestiya. Seriya matematicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mathematical Series]. Moscow, vol. 27, no. 1, Jan.-Feb. 1963.

AKADEMIA NAUK SSSR. Matematicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mathematical Institute. Transactions]. Moscow, vol. 63, 1962.

Contents: Aleksandrov, A. D., Zalgaller, V. A. [Two-dimensional manifolds of bounded curvature; fundamentals of the internal geometry of surfaces] Dvumernye mnogoobraziia organicheskoi krivizny; osnovy vnutrennei geometrii poverkhnostei. 262 p.

Vol. 67, 1962.

Vol. 68, 1962.

Contents: Dezin, A. A. [Invariant differential operators and boundary value problems] Invariantnye differentsial'nye operatory i granichnye zadachi. 87 p.

CHEKOSLOVATSKII MATEMATICHESKII ZHURNAL [CZECHOSLOVAK MATHEMATICAL JOURNAL]. Issued by Matematicheskii institut Chekosllovakoi akademii nauk [Institute of Mathematics of the Czechoslovak Academy of Sciences]. Prague, vol. 13(86), no. 1, 1963.

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 60(102), no. 1, Jan. 1963.

MOSCOW. UNIVERSITET. Vestnik. Seriya 1: Matematika, mekhanika [UNIVERSITY. Review. Series 1: Mathematics, Mechanics]. No. 6, Nov.-Dec. 1962.

OBOBSHCENNYE FUNKTSII [GENERALIZED FUNCTIONS]. Moscow, no. 5, 1962. Contents: Gol'and, I. M., Graev, M. I., Vilenkin, N. I. A. [Integral geometry and problems of the theory of representations connected with it] Integral'naya geometriia i svyazannyye s nei voprosy teorii predstavlenii. 656 p.

REFERATIVNIY ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

*USPEKHI MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademii nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 18, no. 1(109), Jan.-Feb. 1963.

ZBIRNYK PRATS' Z OBCHYSLUVAL'NOI MATEMATIKY I TEKHNIKY [PAPERS ON COMPUTER MATHEMATICS AND ENGINEERING]. Issued by Obchysluval'nyi tsentr Akademii nauk URSS [Computation Center of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 1, 1961.

*ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, Jan.-Feb. 1963.

B 12c-13c

AKADEMIYA NAUK SSSR. Laboratoriya geologii dokembrii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Laboratory of the Geology of the Precambrian, Transactions]. Moscow, no. 14, 1982. Contents: Shurkin, K.A., and others. [Belomorsk complex of northern Karelia and the southwestern part of the Kola Peninsula; geology and pegmatite potential] Belomorskii kompleks Severnoi Kareli i iugo-zapada Kol'skogo polostrova; geologiya i pegmatitizatsiya. 305 p.

No. 16, 1983.

Contents: Krats, K.O. [Geology of Karelian folding in Karelia] Geologiya karelii Karelii. 209 p.

AKADEMIYA NAUK SSSR. Mineralogicheskii muzej. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mineralogical Museum, Transactions]. Moscow, no. 13, 1982.

AKADEMIYA NAUK SSSR. Paleontologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Paleontology, Transactions]. Moscow, vol. 58, 1982.

Contents: Ivanova, E.A. [Ecology and development of Silurian and Devonian brachiopods in the Kuznetsk, Minusinsk, and Tuva Basins] Ekologiya i razvitiye brachiopod silura i devona Kuznetskogo, Minusinskogo i Tuvinskogo basseinov. 149 p.

Vol. 91, 1982.

Contents: Eberzin, A.G. [Carditidae inhabiting brackish waters in the Pliocene of the U.S.S.R. Part 4: Genus Didacna Eichwald, subgenera Pontalmyna and Casagadana; 29 plates and 2 illustrations] Solonovotvodnye kardiidy plioseena SSSR. Chast' 4: Rod Didacna Eichwald, podrody Pontalmyna i Casagadana; s 29 tablitsami i 2 risunkami v tekste. 178 p.

Vol. 92, 1982.

Contents: Grigor'eva, A.D. [Productidae of the Kazan stage in the Russian Platform and conditions of their existence] Produktidy kazanskogo iarusu Russkoi platformy i uslovia ikh sushchestvovaniia. 91 p. 16 plates.

Vol. 93, 1982.

Contents: Vologdin, A.G. [Archaeocyatha and algae from the Cambrian of the Balkan Upland] Arkhoeotsiaty i vodorosli kembriia Balkanskogo nagor'ia. 115 p. 21 plates.

AKADEMIYA NAUK SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, Institute of Geology and Geophysics, Transactions]. Novosibirsk, no. 12, 1981.

Contents: [Materials on tectonic terminology. Part 1: Large crustal structures and geological formations] Materialy po tektonicheskoi terminologii. Chast' 1: Krupnye struktury zemnoi kory i geologicheskie formatsii. 154 p.

AKADEMIYA NAUK SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department, East Siberian Geological Institute, Transactions]. Moscow, no. 4, 1982.

Contents: Odintsov, M.M., and others. [Structure, volcanism, and diamond potential of the Irkutsk amphitheater] Struktura, vulkanizm i almazonosnost' Irkutskogo amfiteatra. 176 p.

No. 8, 1982.

Contents: Belichenko, V.G., and others. [Outline of the geology and petrography of the southern margin of the Vitim Plateau (northwestern Transbaikalia)] Geologo-petrograficheskii ocherk iuzhnoi okrainy Vitimskogo ploskogor'ia (Severo-Zapadnoe Zabaikal'e). 166 p.

AKADEMIYA NAUK SSSR. Ural'skii filial. Sverdlovsk. Gorno-geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Mining-Geological Institute, Transactions]. Sverdlovsk, no. 60, 1981.

Contents: Smirnov, G.A., Smirnova, T.A. [Materials on the paleogeography of the Urals. Part 3: Famennian age] Materialy k paleogeografii Urals. Ocherk 3: Famenskii vek. 83 p.

AKADEMIYA NAUK URSS. Kiev. Institut geologicheskikh nauk. Trudy. Seriya geotektoniki [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geological Sciences, Transactions. Series in Geotectonics]. Kiev, no. 10, 1982.

Contents: Bondarchuk, V.G. [Tectonics of the Carpathians; with a map on a scale 1:1,000,000] Tektonika Karpat; s kartoi masshtaba 1:1 000 000. 113 p.

[MICROFILM]

GEOLOGICHNYI ZHURNAL [GEOLOGICAL JOURNAL].

Issued by Viddil khimichnykh i geologichnykh nauk Akademii nauk URSS and Holovne upravlinnia geologii i okhrony nadr pry Radi Ministriv URSS [Department of Chemical and Geological Sciences of the Academy of Sciences of the Ukrainian S.S.R. and Main Administration of the Geology and Conservation of Mineral Resources, Attached to the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 22, no. 6, 1982.

LENINGRAD. VSESIOIUNNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE, Transactions]. Moscow, vol. 75, 1982. Biostratigraphia paleozoi Sibirskoi platformy; ordovik i silur. [Biostratigraphy of the Paleozoic in the Siberian Platform; Ordovician and Silurian]. no. 4. Contents: Vostokova, V.A. [Ordovician and Silurian gastropods in the Siberian Platform] Ordovikskie i siluriskie gostropody Sibirskoi platformy. 45 p.

MATERIALY PO GEOLOGII I POLEZNYM ISKOPAEMYM URALA [MATERIALS ON THE GEOLOGY AND MINERAL RESOURCES OF THE URALS]. Issued by Ural'skoe geologicheskoe upravlenie [Ural Geological Administration]. Moscow, no. 10, 1982.

MATERIALY PO GEOLOGII TSENTRALNOGO KAZAKHSTANA [MATERIALS ON THE GEOLOGY OF CENTRAL KAZAKHSTAN]. Issued by Moskovskii gosudarstvennyi universitet [Moscow State University]. Moscow, vol. 5, 1982.

Contents: Filatova, L.I. [Pre-Cambrian of the Ulu-Tau] Dokembrii Ulu-Tau. 322 p.

REFERATIVNYI ZHURNAL: GEOLOGIIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb.-March 1983. Avtorskii ukazatel' za 1982 g. [Author Index for 1982]

SIBIRSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT GEOLOGII, GEOFIZIKI I MINERAL'NOGO SYNTA. Trudy [SIBIRIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES, Transactions]. Leningrad, no. 13, 1980.

***SOVETSKAIA GEOLOGIIA [SOVIET GEOLOGY].** Organ of Ministerstvo geologii i okhrony nadr SSSR [Ministry of Geology and the Conservation of Mineral Resources of the U.S.S.R.]. Moscow, vol. 5, no. 12, Dec. 1982.

UZBEKSKII GEOLOGICHESKII ZHURNAL [UZBEK GEOLOGICAL JOURNAL]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, no. 6, 1982.

VSESIOIUNNOE MINERALOGICHESKOE OBSHCHESTVO. Zapiski [ALL-UNION MINERALOGICAL SOCIETY, Annals]. Moscow, vol. 61, no. 6, 1982.

13. SCIENCE

a. GENERAL

***AKADEMIYA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports].** Moscow, vol. 147, no. 5, Dec. 1982; vol. 148, nos. 1-3, Jan. 1983; vol. 149, no. 1, March 1983.

AKADEMIYA NAUK SSSR. Institut istorii i estestvoznaniia i tekhniki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the History of Natural Sciences and Technology, Transactions]. Moscow, vol. 39, 1982.

AKADEMIYA NAUK URSS. Kiev. Dopovidy [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports]. Kiev, no. 12, 1982.

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, nos. 1(71)-2(72), Jan.-Feb. 1983. [In Uzbek]

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE]. Issued by Lietuvos TSR Politiniu ir moksliniu ziniu skleidimo draugija [Society for Dissemination of Political and Scientific Knowledge of the Lithuanian S.S.R.]. Vilnius, no. 2(65), Feb. 1983. [In Lithuanian]

NOVYE KNIGI ZA RUBEZHOM. Seriya A: Matematika, mekhanika, astronomiya, fizika, geofizika, khimiya, geologiya [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 16, nos. 2-3, Feb.-March 1983.

PRIRODA [NATURE]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 52, no. 2, 1983.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po professional'no-tekhnicheskomu obrazovaniiu [State Committee of the Council of Ministers of the U.S.S.R. for Industrial Training]. Moscow, vol. 31, no. 12, Dec. 1982.

b. ASTRONOMY

AKADEMIYA NAUK SSSR. Astronomicheskii sovet. Bulletin' stantsii opticheskogo nabludeniia iekus-stvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Astronomical Council, Bulletin of the Stations for Optical Observation of Artificial Earth Satellites]. Moscow, no. 20, 1982.

AKADEMIYA NAUK SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabludeniia sovetskikh iekus-stvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy, Results of Observations of Soviet Artificial Earth Satellites]. Moscow, no. 52, 1982.

***GOEDEZIYA I KARTOGRAFIYA [GEODESY AND CARTOGRAPHY].** Organ of Glavnoe upravlenie geodezii i kartografii Ministerstva geologii i okhrony nadr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no. 12, Dec. 1982; no. 1, Jan. 1983.

MOSCOW. UNIVERSITET. Gosudarstvennyi astronomicheskii institut. Trudy [UNIVERSITY. State Astronomical Institute, Transactions]. Vol. 32, 1982.

Contents: Vorontsov-Vol'minov, B.A., Krasnogorskaya, A.A. [Morphological catalog of galaxies. Part 1. Catalog of 7,200 galaxies with declinations from +90° to +45°] Morfologicheskii katalog galaktik. Chast' 1. Katalog 7,200 galaktik ot +90° do +45° skloneniia. 205 p. [With summary in English]

REFERATIVNYI ZHURNAL: ASTRONOMIYA [JOURNAL OF ABSTRACTS: ASTRONOMY (Separate Issue 51)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3 Jan.-Mr '83.

REFERATIVNYI ZHURNAL: GOEDEZIYA [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1983.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Yavleniya vysshikh uchebnykh zavedenii; geodeziya i aerofotografiya [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography]. Moscow, no. 4, 1982.

ZVAIGZNOTA DEBESS [STARRY SKY]. Issued by Latvijas PSR Zinatnu Akademijas Astrofizikas laboratorija [Astrophysical Laboratory of the Academy of Sciences of the Latvian S.S.R.]. Riga, Summer-Autumn, 1982. [In Latvian]

c. BIOLOGY

AKADEMIYA NAUK ARMIAANSKOI SSR, Erivan. Izvestiya. Biologicheskii nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin, Biological Sciences]. Erivan, vol. 15, no. 8, Aug. 1982.

AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut botaniki. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Botany, Transactions]. Baku, vol. 23, 1982.

AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut genetik i selektsii. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Genetics and Plant Breeding, Transactions]. Baku, vol. 2, 1982.

*AKADEMIJA NAUK SSSR. Institut vysshej nervnoj delatel'nosti. Trudy. Seriya fiziologicheskaja [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Higher Nervous Function, Transactions, Physiological Series]. Moscow, vol. 7, 1962.

AKADEMIJA NAUK SSSR. Ural'skij filial, Sverdlovsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Institute of Biology, Transactions]. Sverdlovsk, no. 20, 1962.

AKADEMIJA NAUK SSSR. Ural'skij filial, Sverdlovsk. Salekhardskij stantsionar. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Salekhard Station, Transactions]. Sverdlovsk, no. 2, 1962. Contents: Leshchinskaja, A. S. [Zooplankton and benthos of the Ob' Bay as food for fishes] Zooplankton i bentos Obiskoj guly kak kormovaja baza dlia ryb. 75 p.

AKADEMIJA NAUK UZBEKSKOI SSR, Tashkent. Botanicheskii sad. Introduktsiya i akklimatizatsiya rastenii [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Botanical Garden. Introduction and Acclimatization of Plants]. No. 1, 1962.

BIOLOGIJA V SHKOLE [BIOLOGY IN SCHOOLS]. Organ of Ministerstvo prosvetshcheniya RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, nos. 5-6, Sep.-Dec. 1962.

DARVINSKII GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [DARWIN STATE PRESERVE, Transactions]. Vol. 6, no. 7, 1961.

FAUNA SSSR [FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii Institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 83. Molluski [Mollusks], vol. 3, no. 4, 1962. Contents: Likharev, I. M. [Clausiliidae] Klausiliidy (Clausiliidae). 317 p.

No. 84. Nasekomye pereponchatokrylye [Hymenoptera] vol. 13, 1962. Contents: Shteinberg, D. M. [Family Scollidae] Sem. skollii (Scollidae). 185 p.

*FIZIOLOGICHESKII ZHURNAL SSSR [PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.]. Issued by Vsesoyuznoe fiziologicheskoe obshchestvo [All-Union Physiological Society]. Moscow, vol. 48, no. 12, Dec. 1962.

KHOPERSKII GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [KHOPER STATE PRESERVE, Transactions]. No. 5, 1961.

KOMAROVSKIE CHTENIYA [KOMAROV LECTURES]. Issued by Botanicheskii Institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 15, 1962. Contents: Lavrenko, E. M. [Basic characteristics of the botanical geography of the deserts of Eurasia and North Africa] Osnovnye cherty botanicheskoi geografii pustyin' Evrazii i Severnoi Afriki. 167 p.

LATVIJAS ENTOMOLOGS [LATVIAN ENTOMOLOGIST]. Issued by Vissavienibas entomologijas biedribas Latvijas nodala [Latvian Branch of the All-Union Entomological Society]. Riga, no. 8, 1962. [In Latvian and Russian]

LOODUSKAITSE BULLETAAN [BULLETIN ON CONSERVATION]. Issued by Eesti NSV Teaduste Akadeemia Looduskaitse Komisjon [Committee on Conservation of the Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 2, 1961. [In Estonian]

MIGRATSII ZHIVOTNYKH [MIGRATION OF ANIMALS]. Issued by Komissiya po okhrane prirody Akademii nauk SSSR [Commission for the Protection of Nature of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1962.

MOSCOW. GLAVNYI BOTANICHESKII SAD. Bulletin. No. 46, 1962.

OPREDELITELI PO FAUNE SSSR [GUIDES TO THE FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii Institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 80, 1962. Contents: Bykhovskaja-Pavlovskaja, I. E., and others. [Guide to the parasites of freshwater fishes in the U.S.S.R.] Opredelitel' parazitov presnovodnykh ryb SSSR. 776 p.

ORNITOLOGIJA [ORNITHOLOGY]. Issued by Glavnoe upravlenie okhotnich'ego khozjajstva i zapovednikov pri Sovete Ministrov RSFSR [Main Administration for Game Management and Preserves, Attached to the Council of Ministers of the R. S. F. S. R.]. Moscow, no. 6, 1962.

RADIOBIOLOGIJA [RADIOBIOLOGY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, 1963.

RASTITEL'NOST' KRANEGO SEVERA SSSR I EE OSVOENIE [VEGETATION OF THE FAR NORTH OF THE U.S.S.R. AND ITS UTILIZATION]. Issued by Botanicheskii Institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, 1963. Contents: Minlaev, N. A. [Structure of plant associations; based on research material on the blueberry-crowberry series of associations in the Khibiny Mountains] Struktura rastitel'nykh assotsiatsii; po materialam issledovaniia chernichno-voronichnoi serii assotsiatsii v Khibinskoi gornoi massive. 260 p.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAYA KHIMIJA (Oldel'nyi vypusk 30f) [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate Issue 30f)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-7, Jan.-Apr. 1963.

REFERATIVNYI ZHURNAL: BIOLOGIJA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-5, Feb.-March 1963.

SBORNIK ENTOMOLOGICHESKIKH RABOT [ENTOMOLOGICAL PAPERS]. Issued by Akademii nauk Kirgizskoi SSR and Kirgizskoe otdelenie Vsesoyuznogo entomologicheskogo obshchestva [Academy of Sciences of the Kirghiz S.S.R. and the Kirghiz Branch of the All-Union Entomological Society]. Frunze, no. 1, 1962.

UKRAINSKII NAUCHNO-ISLEDOVATELSKII INSTITUT FIZIOLOGII RASTENII. Nauchnye trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF PLANT PHYSIOLOGY. Studies]. Kiev, no. 23, 1962.

UKRAINSKYI BOTANICHESKII ZHURNAL [UKRAINIAN BOTANICAL JOURNAL]. Issued by Institut botaniki Akademii nauk URSS [Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 10, no. 6, 1962.

VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 4(25), 1962; vol. 3, no. 1(26), 1963.

d. CHEMISTRY

AKADEMIJA NAUK ARMIAANSKOI SSR, Eriyan. Izvestiya. Khimicheskie nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Chemical Sciences]. Eriyan, vol. 15, nos. 5-6, 1962.

AKADEMIJA NAUK SSSR. Ural'skij filial, Sverdlovsk. Institut khimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Institute of Chemistry, Transactions]. Sverdlovsk, no. 6, 1961. Sbornik rabot laboratorii tselulozhnoi [Papers of the Laboratory of Wood Chemistry], no. 4.

KIEHNEV, UNIVERSITET. Trudy po khimii prirodnykh soedinenii [UNIVERSITY. Papers on the Chemistry of Natural Compounds]. No. 3, 1960.

MOSCOW. VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimiia; slatemicheskii ukazatel' slatel v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry; Classified Index of Articles in Foreign Periodicals]. No. 1(111), 1963.

RADIOKHIMIJA [RADIOCHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 1, 1963.

*USPEKHI KHIMII [PROGRESS IN CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 31, no. 12, Dec. 1962; vol. 32, no. 1, Jan. 1963.

UZBEKSKII KHIMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL]. Issued by Akademii nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, no. 6, 1962.

*VYSOKOMOLEKULARNYE SOEDINENIYA [MACROMOLECULAR COMPOUNDS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 2, Feb. 1963.

*ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 2, Dec. 1962.

*ZHURNAL NEORGANICHESKOI KHIMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 12, Dec. 1962.

*ZHURNAL OBSHCHEI KHIMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 2, Feb. 1963. Ukazatel' k tomu 32 za 1962 [Index to vol. 32 for 1962]

*ZHURNAL STRUKTURNOI KHIMII [JOURNAL OF STRUCTURAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

e. MATHEMATICS

AKADEMIJA NAUK SSSR. Izvestiya. Seriya matematicheskaja [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mathematical Series]. Moscow, vol. 27, no. 1, Jan.-Feb. 1963.

AKADEMIJA NAUK SSSR. Matematicheskii Institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mathematical Institute, Transactions]. Moscow, vol. 63, 1962. Contents: Aleksandrov, A. D., Zalgaller, V. A. [Two-dimensional manifolds of bounded curvature; fundamentals of the internal geometry of surfaces] Dvumernye mnogobrazhnye organicheskii krivizny; osnovy vnutrennei geometrii poverkhnosti. 262 p.

Vol. 67, 1962.

Vol. 68, 1962.

Contents: Dezhn, A. A. [Invariant differential operators and boundary value problems] Invariantnye differentsial'nye operatory i granichnye zadachi. 87 p.

CHEKHOSLOVATSKII MATEMATICHESKII ZHURNAL [CZECHOSLOVAK MATHEMATICAL JOURNAL]. Issued by Matematicheskii Institut Chexoslovatskoi akademii nauk [Institute of Mathematics of the Czechoslovak Academy of Sciences]. Prague, vol. 13(88), no. 1, 1963.

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 60(162), no. 1, Jan. 1963.

MOSCOW, UNIVERSITET. Vestnik. Seriya 1: Matematika, mekhanika [UNIVERSITY. Review. Series 1: Mathematics, Mechanics]. No. 6, Nov.-Dec. 1962.

OBODSHCHENNYE FUNKTSII [GENERALIZED FUNCTIONS]. Moscow, no. 5, 1962. Contents: Gel'fand, I. M., Graev, M. I., Vilenkin, N. I. A. [Integral geometry and problems of the theory of representations connected with it] Integral'naja geometriia i svyazannyye s nei voprosy teorii predstavlenii. 656 p.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

*USPEKHI MATEMATICHESKIKH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademii nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 18, no. 1(100), Jan.-Feb. 1963.

ZBIRNYK PRAT' Z OBCHYSLUVAL'NOI MATEMATIKY I TEKHNIKY [PAPERS ON COMPUTER MATHEMATICS AND ENGINEERING]. Issued by Obchysluval'nyi tsentr Akademii nauk URSS [Computation Center of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 1, 1961.

*ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, Jan.-Feb. 1963.

B 12a-13c

AKADEMIJA NAUK SSSR. Laboratoriya geologii dokembrii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Laboratory of the Geology of the Pre-Cambrian. Transactions]. Moscow, no. 14, 1962.
Contents: Shurkin, K.A., and others. [Belomorsk complex of northern Karelia and the southwestern part of the Kola Peninsula; geology and pegmatite potential] Belomorskii kompleks Severnoi Karelii i yugo-zapada Kol'skogo poluostrova; geologiya i pegmatitovosnost'. 305 p.

No. 16, 1963.

Contents: Krats, K.O. [Geology of Karelian folding in Karelia] Geologiya karelii Karelii. 209 p.

AKADEMIJA NAUK SSSR. Mineralogicheskii muzej. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mineralogical Museum. Transactions]. Moscow, no. 13, 1962.

AKADEMIJA NAUK SSSR. Paleontologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Paleontology. Transactions]. Moscow, vol. 58, 1962.
Contents: Ivanova, E.A. [Ecology and development of Silurian and Devonian brachiopods in the Kuznetsk, Minusinsk, and Tuva Basins] Ekologiya i razvitiye brakhiopod silura i devona Kuznetskogo, Minusinskogo i Tuvinskogo basseinov. 149 p.

Vol. 81, 1962.

Contents: Eberzin, A.G. [Cardiidae inhabiting brackish waters in the Pliocene of the U.S.S.R. Part 4: Genus Didacna Elchwald, subgenus Pontalmyra and Casadacna; 29 plates and 2 illustrations] Solonovatovodnye kardiidy pliotseia SSSR. Chast' 4: Rod Didacna Elchwald, podrody Pontalmyra i Casadacna; s 29 tablitsami i 2 risunkami v tekste. 178 p.

Vol. 92, 1962.

Contents: Grigor'eva, A.D. [Productidae of the Kazan stage in the Russian Platform and conditions of their existence] Produktidy kazanskogo iurasa Russkoi platformy i uslovia ikh sushchestvovaniia. 91 p. 16 plates.

Vol. 93, 1962.

Contents: Vologdin, A.G. [Archaeocyatha and algae from the Cambrian of the Baikal Upland] Arkheotsisty i vodorosli kembrii Baikal'skogo nagor'ia. 115 p. 21 plates.

AKADEMIJA NAUK SSSR. Sibirskoe otdelenie. Institut geologii i geofiziki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Institute of Geology and Geophysics. Transactions]. Novosibirsk, no. 12, 1961.
Contents: [Materials on tectonic terminology. Part 1: Large crustal structures and geological formations] Materialy po tektonicheskoi terminologii. Chast' 1: Krupnye struktury zemnoi kory i geologicheskie formatsii. 154 p.

AKADEMIJA NAUK SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. East Siberian Geological Institute. Transactions]. Moscow, no. 4, 1962.
Contents: Odintsov, M.M., and others. [Structure, volcanism, and diamond potential of the Irkutsk amphitheater] Struktura, vulkanizm i almaznosnost' Irkutskogo amfiteatra. 170 p.

No. 3, 1962.

Contents: Belichenko, V.G., and others. [Outline of the geology and petrography of the southern margin of the Vitim Plateau (northwestern Transbaikalia)] Geologo-petrograficheskii ocherk iuzhnoi okrainy Vitimskogo ploskogor'ia (Severo-Zapadnoe Zabaikalie). 166 p.

AKADEMIJA NAUK SSSR. Ural'skii filial. Sverdlovsk. Gorno-geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Mining-Geological Institute. Transactions]. Sverdlovsk, no. 60, 1961.
Contents: Smirnov, G.A., Smirnova, T.A. [Materials on the paleogeography of the Ural. Part 3: Famennian age] Materialy k paleogeografii Urala. Ocherk 3: Famenskii vek. 83 p.

AKADEMIJA NAUK URSS. Kiev. Institut geologicheskikh nauk. Trudy. Seriya geotektoniki [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geological Sciences. Transactions. Series in Geotectonics]. Kiev, no. 10, 1962.
Contents: Bondarchuk, V.G. [Tectonics of the Carpathians; with a map on a scale 1:1,000,000] Tektonika Karpat; s kartoi masshtaba 1:1 000 000. 113 p.

[MICROFILM]

GEOLOGICHNYI ZHURNAL [GEOLOGICAL JOURNAL]. Issued by Viddil khimichnykh i geologichnykh nauk Akademii nauk URSS and Holovne upravlinnia nauk Akademii nauk URSS and Holovne upravlinnia geologii i okhorony nadr pry Radi Ministriv URSS [Department of Chemical and Geological Sciences of the Academy of Sciences of the Ukrainian S.S.R. and Main Administration of the Geology and Conservation of Mineral Resources, Attached to the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 22, no. 6, 1962.

LENINGRAD. VSESOUZNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE. Transactions]. Moscow, vol. 75, 1962. Biostratigrafiya paleozola Sibirskoi platformy; ordovik i silur. [Biostratigraphy of the Paleozoic in the Siberian Platform; Ordovician and Silurian], no. 4.
Contents: Vostokova, V.A. [Ordovician and Silurian gastropods in the Siberian Platform] Ordovizskie i silurizskie gostropody Sibirskoi platformy. 45 p.

MATERIALY PO GEOLOGII I POLEZNYM ISKOPAEYMYM URALA [MATERIALS ON THE GEOLOGY AND MINERAL RESOURCES OF THE URALS]. Issued by Ural'skoe geologicheskoe upravlenie [Ural Geological Administration]. Moscow, no. 10, 1962.

MATERIALY PO GEOLOGII TSENTRALNOGO KAZAKHSTANA [MATERIALS ON THE GEOLOGY OF CENTRAL KAZAKHSTAN]. Issued by Moskovskii gosudarstvennyi universitet [Moscow State University]. Moscow, vol. 5, 1962.
Contents: Filatova, L.I. [Pre-Cambrian of the Ulu-Tau] Dokumbril' Ulu-Tau. 322 p.

REFERATIVNYI ZHURNAL: GEOLOGIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb.-March 1963. Avtorskii ukazatel' za 1962 g. [Author Index for 1962]

SIBIRSKII NAUCHNO-ISLEDOVATELSKII INSTITUT GEOLOGII, GEOFIZIKI I MINERALNOGO SYR'IA. Trudy [SIBERIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES. Transactions]. Leningrad, no. 13, 1960.

*SOVETSKAIA GEOLOGIA [SOVIET GEOLOGY]. Organ of Ministerstvo geologii i okhrany nedr SSSR [Ministry of Geology and the Conservation of Mineral Resources of the U.S.S.R.]. Moscow, vol. 5, no. 12, Dec. 1962.

UZBEKSKII GEOLOGICHESKII ZHURNAL [UZBEK GEOLOGICAL JOURNAL]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 6, no. 6, 1962.

VSESOUZNOE MINERALOGICHESKOE OBSHCHESTVO. Annals [ALL-UNION MINERALOGICAL SOCIETY. Annals]. Moscow, vol. 81, no. 6, 1962.

13. SCIENCE

a. GENERAL

*AKADEMIJA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports]. Moscow, vol. 147, no. 5, Dec. 1962; vol. 148, nos. 1-3, Jan. 1963; vol. 149, no. 1, March 1963.

AKADEMIJA NAUK SSSR. Institut istorii estestvoznaniia i tekhniki. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the History of Natural Sciences and Technology. Transactions]. Moscow, vol. 39, 1962.

AKADEMIJA NAUK URSS. Kiev. Dopovidy [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Reports]. Kiev, no. 12, 1962.

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademii nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, nos. 1(71)-2(72), Jan.-Feb. 1963. [In Uzbek]

MOKSLAS IR GYVENIMAS [SCIENCE AND LIFE]. Issued by Lietuvos TSR Politinio ir mokslinio ziniu skleidimo draugija [Society for Dissemination of Political and Scientific Knowledge of the Lithuanian S.S.R.]. Vilnius, no. 2(66), Feb. 1963. [In Lithuanian]

NOVYE KNIGI ZA RUBEZHOM. Seriya A: Matematika, mekhanika, astronomiya, fizika, geofizika, khimiya, geologiya [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 16, nos. 2-3, Feb.-March 1963.

PRIRODA [NATURE]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 62, no. 2, 1963.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po professional'no-tekhnicheskomu obrazovaniiu [State Committee of the Council of Ministers of the U.S.S.R. for Industrial Training]. Moscow, vol. 37, no. 12, Dec. 1962.

b. ASTRONOMY

AKADEMIJA NAUK SSSR. Astronomicheskii sovet. Biulleten' stantsii opticheskogo nabludeniia Iskusstvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Astronomical Council. Bulletin of the Stations for Optical Observation of Artificial Earth Satellites]. Moscow, no. 29, 1962.

AKADEMIJA NAUK SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabludeniia sovetikh iskusstvennykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]. Moscow, no. 52, 1962.

*GOEDEZIJA I KARTOGRAFIJA [GEODESY AND CARTOGRAPHY]. Organ of Glavnoe upravlenie geodezii i kartografii Ministerstva geologii i okhrany nedr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no. 12, Dec. 1962; no. 1, Jan. 1963.

MOSCOW. UNIVERSITET. Gosudarstvennyi astronomicheskii institut. Trudy [UNIVERSITY. State Astronomical Institute. Transactions]. Vol. 32, 1962.
Contents: Vorontsov-Veliaminov, B.A., Krassnogorskaya, A.A. [Morphological catalog of galaxies Part 1. Catalog of 7,200 galaxies with declinations from +90° to +45°] Morfologicheskii katalog galaktik. Chast' 1. Katalog 7,200 galaktik ot +90° do +45° skloneniia. 205 p. [With summary in English]

REFERATIVNYI ZHURNAL: ASTRONOMIJA (Otdel'nyi vypusk 51) [JOURNAL OF ABSTRACTS: ASTRONOMY (Separate Issue 51)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3 Jan.-Mr '63.

REFERATIVNYI ZHURNAL: GOEDEZIJA (Otdel'nyi vypusk 52) [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedeni; geodeziia i aerofotogramka [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography]. Moscow, no. 4, 1962.

ZVAIGZNOTA DEBESS [STARRY SKY]. Issued by Latvijas PSR Zinatnu akademijas Astrofizikas laboratorija [Astrophysical Laboratory of the Academy of Sciences of the Latvian S.S.R.]. Riga, Summer-Autumn, 1962. [In Latvian]

c. BIOLOGY

AKADEMIJA NAUK ARMJANSKOI SSR. Eriyan. Izvestiia. Biologicheskii nauci [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Biological Sciences]. Eriyan, vol. 15, no. 6, Aug. 1962.

AKADEMIJA NAUK AZERBAIDZHANSKOI SSR. Baku. Institut botaniki. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Botany. Transactions]. Baku, vol. 23, 1962.

AKADEMIJA NAUK AZERBAIDZHANSKOI SSR. Baku. Institut genetik i selektsii. Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Genetics and Plant Breeding. Transactions]. Baku, vol. 2, 1962.

*AKADEMIJA NAUK SSSR. Institut vysshego nervnogo delatel'nosti. Trudy. Seriya fiziologicheskaja [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Higher Nervous Function, Transactions, Physiological Series]. Moscow, vol. 7, 1962.

AKADEMIJA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Institute of Biology, Transactions]. Sverdlovsk, no. 25, 1962.

AKADEMIJA NAUK SSSR. Ural'skii filial, Sverdlovsk. Salekhardskii statonov. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Salekhard Station, Transactions]. Sverdlovsk, no. 2, 1962. Contents: Leshchinskaja, A. S. [Zooplankton and benthos of the Ob' Bay as food for fishes] Zooplankton i bentos Ob'skoi guly kak kormovaja baza dlia ryb. 75 p.

AKADEMIJA NAUK UZBEKSKOI SSR, Tashkent. Botanicheskii sad. Introduktsiya i akklimatizatsiya rastenii [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Botanical Garden, Introduction and Acclimatization of Plants]. No. 1, 1962.

BIOLOGIJA V SHKOLE [BIOLOGY IN SCHOOLS]. Organ of Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, nos. 5-6, Sep.-Dec. 1962.

DARVINSKI GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [DARWIN STATE PRESERVE. Transactions]. Vologda, no. 7, 1961.

FAUNA SSSR [FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii Institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 83. Molluski [Mollusks], vol. 3, no. 4, 1962. Contents: Likharev, I. M. [Clausiliidae] Klausiliidy (Clausiliidae). 317 p.

No. 84. Nasekomye pereponchatokrylye [Hymenoptera] vol. 13, 1962. Contents: Shteinberg, D. M. [Family Scutellidae] Som. skolli (Scutellidae). 185 p.

*FIZIOLOGICHESKII ZHURNAL SSSR [PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.]. Issued by Vsesoiuznoe fiziologicheskoe obshchestvo [All-Union Physiological Society]. Moscow, vol. 46, no. 12, Dec. 1962.

KHOPERSKII GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [KHOPER STATE PRESERVE. Transactions]. No. 5, 1961.

KOMAROVSKIE CHTENIJA [KOMAROV LECTURES]. Issued by Botanicheskii Institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 15, 1962. Contents: Lavrenko, E. M. [Basic characteristics of the botanical geography of the deserts of Eurasia and North Africa] Osnovnye cherty botanicheskoi geografii pustyri Evrazii i Severnoi Afriki. 167 p.

LATVIJAS ENTOMOLOGIS [LATVIAN ENTOMOLOGIST]. Issued by Vissavienibas entomologijas biedribas Latvijas nodala [Latvian Branch of the All-Union Entomological Society]. Riga, no. 5, 1962. [In Latvian and Russian]

LOODUSKAITSE BULLETAAN [BULLETIN ON CONSERVATION]. Issued by Eesti NSV Teaduste Akadeemia Looduskaitse Komisjon [Committee on Conservation of the Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 2, 1961. [In Estonian]

MIGRATSII ZHIVOTNYKH [MIGRATION OF ANIMALS]. Issued by Komissiya po okhrane prirody Akademii nauk SSSR [Commission for the Protection of Nature of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1962.

MOSCOW. GLAVNYI BOTANICHESKII SAD. Bulletin' [MAIN BOTANICAL GARDEN. Bulletin]. No. 45, 1962.

OPREDELITELI PO FAUNE SSSR [GUIDES TO THE FAUNA OF THE U.S.S.R.]. Issued by Zoologicheskii Institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 80, 1962. Contents: Bykhovskaja-Pavlovskaja, I. E., and others. [Guide to the parasites of freshwater fishes in the U.S.S.R.] Opredelitel' parazitov presnovodnykh ryb SSSR. 776 p.

ORNITOLOGIJA [ORNITHOLOGY]. Issued by Glavnoe upravlenie okhotnich'ego khozinstva i zapovednikov pri Sovete Ministrov RSFSR [Main Administration for Game Management and Preserves, Attached to the Council of Ministers of the R. S. F. S. R.]. Moscow, no. 5, 1962.

RADIOBIOLOGIJA [RADIOBIOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, 1963.

RASTITEL'NOST' KRAINOGO SEVERA SSSR I EE OSVOENIE [VEGETATION OF THE FAR NORTH OF THE U.S.S.R. AND ITS UTILIZATION]. Issued by Botanicheskii Institut Akademii nauk SSSR [Botanical Institute of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, 1963. Contents: Miniaev, N. A. [Structure of plant associations; based on research material on the blueberry-crowberry series of associations in the Khibiny Mountains] Struktura rastitel'nykh associatsii; po materialam issledovaniia chernichno-voronichnoi serii associatsii v Khibinskom gornom massive. 260 p.

REFERATIVNYI ZHURNAL: BIOLOGICHESKAYA KHMIIA (Otdel'nyi vypusk 304) [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate Issue 304)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-7, Jan.-Apr. 1963.

REFERATIVNYI ZHURNAL: BIOLOGIJA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-5, Feb.-March 1963.

SBORNIK ENTOMOLOGICHESKIIH RABOT [ENTOMOLOGICAL PAPERS]. Issued by Akademii nauk Kirgizskoi SSR and Kirgizskoe otdelenie Vsesoiuznogo entomologicheskogo obshchestva [Academy of Sciences of the Kirgiz S.S.R. and the Kirgiz Branch of the All-Union Entomological Society]. Frunze, no. 1, 1962.

UKRAINSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT FIZIOLOGII RASTENII. Nauchnye trudy [UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF PLANT PHYSIOLOGY. Studies]. Kiev, no. 23, 1962.

UKRAINS'KYI BOTANICHNYI ZHURNAL [UKRAINIAN BOTANICAL JOURNAL]. Issued by Instytut botaniky Akademii nauk URSR [Botanical Institute of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 19, no. 6, 1962.

VOPROSY IKHTIOLOGII [PROBLEMS IN ICHTHYOLOGY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, no. 4(25), 1962; vol. 3, no. 1(26), 1963.

d. CHEMISTRY

AKADEMIJA NAUK ARMIAANSKOI SSR, Eri van. Izvestiia. Khimicheskoe nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Chemical Sciences]. Eri van, vol. 15, nos. 5-6, 1962.

AKADEMIJA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut khimii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch, Institute of Chemistry, Transactions]. Sverdlovsk, no. 0, 1961. Sbornik rabot Laboratorii lesokhimii [Papers of the Laboratory of Wood Chemistry], no. 4.

KISHINEV, UNIVERSITET. Trudy po khimii prirodnykh soedinenii [UNIVERSITY. Papers on the Chemistry of Natural Compounds]. No. 3, 1960.

MOSCOW. VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimii; sistemicheskii ukazatel' statel v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry; Classified Index of Articles in Foreign Periodicals]. No. 1(111), 1963.

RADIOKHMIIA [RADIOCHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 1, 1963.

*USPEKHI KHMII [PROGRESS IN CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 31, no. 12, Dec. 1962; vol. 32, no. 1, Jan. 1963.

UZBEKSKII KHMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL]. Issued by Akademii nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 8, no. 6, 1962.

*VYSOKOMOLEKULIARNYE SOEDINENIJA [MACROMOLECULAR COMPOUNDS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 2, Feb. 1963.

*ZHURNAL ANALITICHESKOI KHMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 9, Dec. 1962.

*ZHURNAL NEORGANICHESKOI KHMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 12, Dec. 1962.

*ZHURNAL OBSHCHEI KHMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 2, Feb. 1963. Ukazatel' k tomu 32 za 1962 [Index to vol. 32 for 1962]

*ZHURNAL STRUKTURNOI KHMII [JOURNAL OF STRUCTURAL CHEMISTRY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

e. MATHEMATICS

AKADEMIJA NAUK SSSR. Izvestiia. Seriya matematicheskaja [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mathematical Series]. Moscow, vol. 27, no. 1, Jan.-Feb. 1963.

AKADEMIJA NAUK SSSR. Matematicheskii Institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mathematical Institute. Transactions]. Moscow, vol. 63, 1962. Contents: Aleksandrov, A. D., Zalgaller, V. A. [Two-dimensional manifolds of bounded curvature; fundamentals of the internal geometry of surfaces] Dvumernye mnogobrazitna organicheskoi krivizny; osnovy vnutrennei geometrii poverkhnosti. 262 p.

Vol. 67, 1962.

Vol. 68, 1962.

Contents: Dezin, A. A. [Invariant differential operators and boundary value problems] Invariantnye differentsial'nye operatory i granichnye zadachi. 87 p.

CHEKOSLOVATSKII MATEMATICHESKII ZHURNAL [CZECHOSLOVAK MATHEMATICAL JOURNAL]. Issued by Matematicheskii Institut Chekoslovatskoi akademii nauk [Institute of Mathematics of the Czechoslovak Academy of Sciences]. Prague, vol. 13(88), no. 1, 1963.

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 60(102), no. 1, Jan. 1963.

MOSCOW, UNIVERSITET. Vestnik. Seriya 1: Matematika, mekhanika [UNIVERSITY. Review. Series 1: Mathematics, Mechanics]. No. 6, Nov.-Dec. 1962.

OBOBSHCENNYE FUNKTSII [GENERALIZED FUNCTIONS]. Moscow, no. 5, 1962. Contents: Gel'fand, I. M., Graev, M. I., Vilenkin, N. I. A. [Integral geometry and problems of the theory of representations connected with it] Integral'naja geometrija i svyazannye s nei voprosy teorii predstavlenii. 656 p.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.

*USPEKHI MATEMATICHESKIIH NAUK [PROGRESS IN THE MATHEMATICAL SCIENCES]. Issued by Akademii nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 18, no. 1(100), Jan.-Feb. 1963.

ZBIRNYK PRATS' Z OBCHYSLUVAL'NOI MATEMATIKY I TEKHNIKY [PAPERS ON COMPUTER MATHEMATICS AND ENGINEERING]. Issued by Obchysluval'nyi tsentr Akademii nauk URSR [Computation Center of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 1, 1961.

*ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, Jan.-Feb. 1963.

f. PHYSICS

AKADEMIA NAUK GRUZINSKOI SSR. Tiflis. Institut fiziki. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Physics. Transactions]. Tiflis, vol. 8, 1962.

*AKADEMIA NAUK SSSR. Izvestia. Seriya fizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Physical Series]. Moscow, vol. 27, nos. 2-3, Feb. - March 1963.

*AKADEMIA NAUK SSSR. Izvestia. Seriya geofizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geophysical Series]. Moscow, nos. 10, 12, Oct., Dec. 1962; no. 1, Jan. 1963.

AKADEMIA NAUK SSSR. Institut fiziki Zemli. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Physics of the Earth. Transactions]. Moscow, no. 27, 1962.
Contents: Silaeva, O. I. [Using ultrasound in studying the propagation of elastic wave velocities and elastic parameters in rock samples at uniaxial pressure] Issledovanie s pomoshch'yu ultrazvuka skorosti rasprostraneniya uprugikh voln i uprugikh parametrov v obraztsakh gornykh porod pri odnostorennem davlenii. 110 p.
(DNLM)

AKADEMIA NAUK UZBEKSKOI SSR, Tashkent. Izvestia. Seriya fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]. Tashkent, vol. 6, no. 6, 1962.

CHEKOSLOVATSKII FIZICHESKII ZHURNAL. CZECHOSLOVAK JOURNAL OF PHYSICS. Issued by Czechoslovak Academy of Sciences. Prague, vol. 13, nos. 2-3, 1963.

FIZIKA V SHKOLE [PHYSICS IN SCHOOLS]. Organ of Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 22, no. 6, Nov. - Dec. 1962.

LENINGRAD. GLAVNAIA GEOFIZICHESKAYA OBSERVATORIA. Trudy [MAIN GEOPHYSICAL OBSERVATORY. Transactions]. Nos. 128-129, 133, 1962.

LIEUVOS FIZIKOS RINKINYS. LITHUANIAN PHYSICS PAPERS. Issued by Lietuvos TSR Mokslo akademija and Lietuvos TSR aukstosios mokyklos [Academy of Sciences of the Lithuanian S.S.R. and the Institutions of Higher Learning of the Lithuanian S.S.R.]. Vilnius, vol. 1, nos. 1/2-3/4, 1961; vol. 2, no. 1/2, 1962.

METEOROLOGIJA I HIDROLOGIJA [METEOROLOGY AND HYDROLOGY]. Issued by Glavnoe upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of Hydrometeorological Service, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no. 2, Feb. 1963.

MOSCOW. UNIVERSITET. Vestnik. Seriya 3: Fizika, astronomiya [UNIVERSITY. Review. Series 3: Physics, Astronomy]. Vol. 17, no. 2, Mar. - Apr. 1962.

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL: GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, March 1963.

*REFERATIVNYI ZHURNAL: MEKhanika [JOURNAL OF ABSTRACTS: MECHANICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb. - March 1963.

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshogo i srednego spetsial'nogo obrazovaniya. Izvestia vysshikh uchebnykh zavedenii; radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Physics]. Moscow, vol. 5, no. 6, 1962.

UKRAINS'KYI FIZYCHNYI ZHURNAL [UKRAINIAN PHYSICAL JOURNAL]. Issued by Viddil fizyko-matematychnykh nauk Akademii nauk URSS [Department of Physical and Mathematical Sciences of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 3, no. 2, Feb. 1963.

*USPEKHI FIZICHESKIIH NAUK [PROGRESS IN THE PHYSICAL SCIENCES]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 79, no. 2, Feb. 1963.

14. MEDICINE

a. GENERAL

AKADEMIA MEDITSINSKIIH NAUK SSSR, Moscow. Vestnik [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 18, no. 1, 1963.

DUSHANBE. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Trudy [STATE MEDICAL INSTITUTE. Transactions]. Vol. 46, 1961.
Contents: Kraev, A. V., Etingen, L. E. [Lymphatic system of the human urogenital organs] Limfaticheskaya sistema mocheopolovnykh organov cheloveka. 119 p.
(DNLM)

KHARKOV. MEDYCHINYI INSTYTUT. Trudy [MEDICAL INSTITUTE. Transactions]. Vol. 58, 1961.
Contents: Levin, M. M. [Repeated surgery in stomach diseases following operations] Povtornye operatsii pri zabolovaniiakh operirovannogo zheludka. 177 p.
(DNLM)

KISHINEV. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Trudy [STATE MEDICAL INSTITUTE. Transactions]. Vol. 11, 1960.
(DNLM)

LENINGRAD. LENINGRADSKII INSTITUT EPIDEMIOLOGII I MIKROBIOLOGII IM. PASTERA. Trudy [LENINGRAD PASTEUR INSTITUTE OF EPIDEMIOLOGY AND MICROBIOLOGY. Transactions]. Vol. 17, 1958; vol. 19, 1959; vol. 22, 1961.

LENINGRAD. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT EKSPERTIZY TRUDOSPOSOBNOSTI I ORGANIZATSIY TRUDA INVALIDOV. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF DISABILITY EVALUATION AND WORK ORGANIZATION FOR THE HANDICAPPED. Transactions]. No. 4, 1960. Fiziolgiya i patologiya starosti [Physiology and Pathology of Old Age].

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 5, vol. 7, no. 2, Feb. 1963. Razdel [Section] 9, vol. 7, no. 2, Feb. 1963.

MOSCOW. GORODSKAYA KLINICHESKAYA BOL'NITSA No. 4. Nauchnye trudy [CITY CLINICAL HOSPITAL No. 4. Studies]. No. 1, 1961.
(DNLM)

NAUCHNYE TRUDY UCHENYKH I PRAKTIKESKIIH VRACHEI UZBEKISTANA [STUDIES BY MEDICAL SCIENTISTS AND PRACTITIONERS OF UZBEKISTAN]. Issued by Ministerstvo zdravookhraneniya Uzbekskoi SSR [Ministry of Health of the Uzbek S.S.R.]. Tashkent, no. 3, 1962.
(DNLM)

PEZIRIA SENETETSI [HEALTH SERVICE]. Organ of the Ministry of Health of the Moldavian S.S.R. Kishinev, vol. 5, nos. 2, 6, March-Apr., Nov. - Dec. 1962. [In Moldavian]

REFERATIVNYI ZHURNAL: MEDITSINSKAYA GEOGRAFIYA (Otdel'nyi vypusk 36) [JOURNAL OF ABSTRACTS: MEDICAL GEOGRAPHY (Separate Issue 36)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb. - March 1963.

SOVETSKAYA MEDITSINA [SOVIET MEDICINE]. Organ of Ministerstvo zdravookhraneniya RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 26, no. 12, Dec. 1962.

SOVETSKOE ZDRAVOOKHRANENIE [SOVIET HEALTH SERVICE]. Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 22, no. 2, 1963.

SUDEBNO-MEDITSINSKAYA EKSPERTIZA [FORENSIC MEDICINE EXPERTISE]. Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 6, no. 1, Jan. - March 1963.

SVERDLOVSK. MEDITSINSKII INSTITUT. Sbornik rabot [MEDICAL INSTITUTE. Papers]. No. 32, 1961.
(DNLM)

TIFLIS. GOSUDARSTVENNYI INSTITUT USOVERSHENSTVOVANIA VRACHEI. Trudy [STATE INSTITUTE OF POSTGRADUATE TRAINING FOR PHYSICIANS. Transactions]. Vol. 6, 1962.
(DNLM)

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselibas aizsardzibas ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no. 3(58), March 1963. [In Latvian]

VINITSA. DERZHAVNYI MEDYCHINYI INSTYTUT. Sbornik nauchnykh trudov [STATE MEDICAL INSTITUTE. Papers]. Vol. 18, nos. 1-2, 1958.

VOPROSY RENTGENOLOGII I ONKOLOGII [PROBLEMS OF ROENTGENOLOGY AND ONCOLOGY]. Issued by Erevanskii institut rentgenologii i onkologii [Erevan Institute of Roentgenology and Oncology]. Erevan, vol. 6, 1961.
(DNLM)

VOPROSY REVMAATIZMA [PROBLEMS OF RHEUMATISM]. Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 2, no. 3, July-Sep. 1962.
(DNLM)

VRACHEBNOE DELO [MEDICAL PRACTICE]. Organ of Ministerstvo zdravookhraneniya USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, no. 11, Nov. 1962; no. 1, Jan. 1963.

ZDRAVOOKHRANENIE KAZAKHSTANA [HEALTH SERVICE OF KAZAKHSTAN]. Issued by Ministerstvo zdravookhraneniya Kazakhskoi SSR [Ministry of Health of the Kazakh S.S.R.]. Alma-Ata, vol. 22, no. 11, 1962.
(DNLM)

ZDRAVOOKHRANENIE ROSSISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION]. Issued by Ministerstvo zdravookhraneniya RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 7, no. 1, Jan. 1963.

c. NEUROLOGY & PSYCHIATRY

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PSIKHIATRII. Trudy [STATE SCIENTIFIC RESEARCH INSTITUTE OF PSYCHIATRY. Transactions]. Moscow, vol. 55, 1962.

PRAKTIKA SUDEBNOPSIKHIATRICHESKOI EKSPERTIZY [PRACTICE OF FORENSIC PSYCHIATRY EXPERTISE]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut sudobnoi psikhiiatrii [Central Scientific Research Institute of Forensic Psychiatry]. Moscow, nos. 4, 6, 1961-1962.

d. OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

ZHURNAL USHNYKH, NOSOVYKH I GORLOVYKH BOLEZNEI [JOURNAL OF EAR, NOSE, AND THROAT DISEASES]. Issued by Ministerstvo zdravookhraneniya USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol. 22, no. 4, July-Aug. 1962.

e. PATHOLOGY & THERAPEUTICS

REFERATIVNYI ZHURNAL: OSHICHNE VOPROSY PATOLOGII. ONKOLOGIYA (Otdel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY. ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-4, 6, Jan. - March 1963.

RYBNOYE (Ryazanskaya oblast') Nauchno-issledovatel'skii institut pchelovodstva. Informatsionnyi biulleten' o matochnom molocheke [Scientific Research Institute of Apiculture. Information Bulletin on Royal Jelly]. No. 3, 1962.

TOMSK. NAUCHNO-ISSLEDOVATEL'SKII INSTITUT VAKTSIN I SYVOROTOK. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF VACCINES AND SERA. Transactions]. Vol. 11, 1960.

f. PHARMACY & MATERIA MEDICA

REFERATIVNYI ZHURNAL: FARMAKOLOGIYA. TOXSIKOLOGIYA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY. TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, 5, Jan. - March 1963.

h. SURGERY & DENTISTRY

AKADEMIA NAUK GRUZINSKOI SSR, Tiflis. Institut eksperimental'noi i klinicheskoi khirurgii i gematologii. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S. S. R. Institute of Experimental and Clinical Surgery and Hematology. Transactions]. Tiflis, vol. 10, 1962. (DNLM)

KLINICHESKAYA KHIRURGIA [CLINICAL SURGERY]. Kiev, nos. 11(251)-12(252), Nov.-Dec. 1962. (DNLM)

PROBLEMY SOVREMENNOI NEIROKHIRUGII [PROBLEMS OF CONTEMPORARY NEUROSURGERY]. Issued by Nauchno-issledovatel'skii institut neirokhirurgii Akademii meditsinskikh nauk SSSR [Scientific Research Institute of Neurosurgery of the Academy of Medical Sciences of the U.S.S.R.]. Moscow, vol. 4, 1962. (DNLM)

VESTNIK KHIRURGII [REVIEW OF SURGERY]. Issued by Khirurgicheskoe obshchestvo Pirogova. [Pirogov Surgical Society]. Leningrad, vol. 89, no. 11, Nov. 1962. (DNLM)

15. AGRICULTURE

a. GENERAL

ARMENIAN S. S. R. Glavnoe upravlenie sel'skokhoziaistvennykh nauk i podgotovki kadrov. Izvestiia. Sel'skokhoziaistvennye nauki [Main Administration of Agricultural Sciences and Staff Training. Bulletin. Agricultural Sciences]. Eriuan, vol. 5, no. 11, 1962.

GIDROTEKHNIKA I MELIORATSIIA [HYDRAULIC ENGINEERING AND RECLAMATION]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 14, no. 1, Jan. 1963.

KHOCHAGI KISHLOKI TOCHIKISTON [AGRICULTURE OF TAJIKISTAN]. Organ of the Ministry of Agriculture of the Tajik S. S. R. Dushanbe, vol. 10, no. 9, Sep. 1962. [In Tajik]

KREST'YANKA [THE PEASANT WOMAN]. Published by Izd-vo [Publishing House] "Pravda," Moscow, vol. 41, nos. 2-3, Feb.-March 1963.

LENINGRAD. SEVERO-ZAPADNYI NAUCHNO-ISSEDOVATELSKII INSTITUT SEL'SKOGO KHOZIAISTVA. Bulletin nauchno-tekhnicheskoi informatsii [NORTH-WESTERN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE. Bulletin of Scientific and Technical Information]. No. 3, 1959.

LENINGRAD. SEVERO-ZAPADNYI NAUCHNO-ISSEDOVATELSKII INSTITUT SEL'SKOGO KHOZIAISTVA. Nauchnye trudy [NORTHWESTERN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE. Studies]. Leningrad, no. 1, 1960.

MEKHANIZATSIYA SIL'SKOHO HOSPODARSTVA [MECHANIZATION OF AGRICULTURE]. Organ of Ukraina'ske respublikans'ke ob'iednannia "Ukrail'hospiekhnika" [Ukrainian Republic Association "Ukrail'hospiekhnika" of the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 13, no. 12(166), Dec. 1962.

MEZHONARODNYI SEL'SKOKHOZIAISTVENNYI ZHURNAL [INTERNATIONAL AGRICULTURAL JOURNAL]. Issued by Postoiannaa komissia Soveta ekonomicheskoi vzaimopomoshchi po ekonomicheskomu i nauchno-tekhnicheskomu sotrudnichestvu v oblasti sel'skogo khoziaistva [Permanent Committee of the Council for Mutual Economic Assistance on Economic, Scientific, and Technical Cooperation in Agriculture]. Sofia, Moscow, vol. 7, no. 1, 1963.

NAUCHNO-ISSEDOVATELSKII INSTITUT SEL'SKOGO KHOZIAISTVA TSENTRAL'NO-CHERNOZEMNOI POLOS. Sbornik nauchnykh rabot [SCIENTIFIC RESEARCH INSTITUTE OF THE AGRICULTURE OF THE CENTRAL BLACK EARTH BELT. Papers]. Voronezh, vol. 2, no. 1, 1960.

ORENBURG. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions]. Vol. 12, 1961. Contents: Batalin, A. Kh. [Analytical chemistry and the course of its development; history of the origin and development of basic methods and trends in analytical chemistry]. Analiticheskaya khimiia i puti ee razvitiia; istoriia vozniknoveniia i razvitiia osnovnykh metodov i napravlenii analiticheskoi khimii. 387 p.

*POCHVOVEDENIE [SOIL SCIENCE]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, Dec. 1962; no. 1, Jan. 1963.

POIMENNYE POCHVY RUSSKOI RAVNINY [FLOODLAND SOILS OF THE EAST EUROPEAN PLAIN]. Moscow, no. 1, 1962.

REFERATIVNYI ZHURNAL: POCHVOVEDENIE (Oldel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-Feb. 1963.

SEL'SKOE KHOZIAISTVO BELORUSSII [AGRICULTURE OF WHITE RUSSIA]. Issued by Ministerstvo proizvodstva i zagotovki sel'skokhoziaistvennykh produktov Belorusskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the White Russian S.S.R.]. Minsk, vol. 11, no. 4(124), Feb. 1963.

SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRICULTURAL LITERATURE OF THE U.S.S.R.]. Issued by Tsentral'naia nauchnaia sel'skokhoziaistvennaia biblioteka [Central Agricultural Library]. Moscow, no. 9, 1962.

SOTSIALISTIK POLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Polumajandusaa-duste Toetmise ja Varumise Ministerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.]. Tallinn, vol. 18, nos. 4-5, Feb.-March 1963. [In Estonian]

TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 22, nos. 7, 12, July, Dec. 1962.

UZBEKSKAYA AKADEMIIA SEL'SKOKHOZIAISTVEN- NYKH NAUK. Nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii oroshaiemogo zemledeliia. Nauchnye trudy [UZBEK ACADEMY OF AGRICULTURAL SCIENCES. Scientific Research Institute of the Mechanization and Electrification of Irrigation Farming. Studies]. Tashkent, no. 4, 1959.

VORONEZH. SEL'SKOKHOZIAISTVENNYI INSTITUT. Nauchnoe studencheskoe obshchestvo. Sbornik studencheskikh nauchno-issledovatel'skikh rabot [AGRICULTURAL INSTITUTE. Scientific Student Society. Student Research Papers]. Vol. 1, no. 1, 1962. (DNAL)

b. ANIMAL INDUSTRY

LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSEDOVATELSKII INSTITUT OZERNOGO I RECHNOGO RYBNOGO KHOZIAISTVA. Tatarskoe otdelnie. Trudy [STATE SCIENTIFIC RESEARCH INSTITUTE OF LAKE AND RIVER FISHERIES. Tatar Department. Transactions]. Kazan, no. 9, 1960.

LYUBLINO. VSESOIUNNYI INSTITUT EKSPERIMENTAL'NOI VETERINARII. Trudy [ALL-UNION INSTITUTE OF EXPERIMENTAL VETERINARY MEDICINE. Transactions]. Vol. 20, 1962.

OKIOTA I OKIOTNICH'E KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 3, 1963.

OVTSJEVODSTVO [SHEEP BREEDING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 9, no. 2, Feb. 1963. (DNAL)

REFERATIVNYI ZHURNAL: ZHIVOTNOVODSTVO. VETERINARIJA (Oldel'nyi vypusk 58) [JOURNAL OF ABSTRACTS: ANIMAL HUSBANDRY, VETERINARY MEDICINE (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, 4-6, Jan.-March 1963.

SEL'SKOE KHOZIAISTVO ZA RUBEZHOM: ZHIVOTNOVODSTVO [AGRICULTURE ABROAD: ANIMAL HUSBANDRY]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 9, 1962. (DNAL)

TASHKENT. UZBEKSKII NAUCHNO-ISSEDOVATELSKII INSTITUT VETERINARII. Trudy [UZBEK SCIENTIFIC RESEARCH INSTITUTE OF VETERINARY MEDICINE. Transactions]. Vol. 14, 1961. (DNAL)

VETERINARIJA [VETERINARY MEDICINE]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 37, nos. 7, 11, July, Nov. 1960; vol. 38, no. 10, Oct. 1961. (DNAL)

ZHIVOTNOVODSTVO [ANIMAL HUSBANDRY]. Organ of Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 23, nos. 5-8, May-Aug. 1961. (DNAL)

c. FORESTRY

AKADEMIA NAUK GRUZINSKOI SSR, Tiflis. Institut lesa. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S. S. R. Forestry Institute. Transactions]. Tiflis, vol. 11, 1962. (DNAL)

BRYANSK. TEKHNOLICHESKII INSTITUT. Trudy [TECHNOLOGICAL INSTITUTE. Transactions]. Vol. 9, 1960.

LEENOE KHOZIAISTVO [FORESTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tsellulozno-bumazhnoi, derevobrabatvatel'skoi promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and Tsentral'noe pravlenie NTO lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 15, no. 8, Sep. 1962.

MASTER LESA [MASTER LUMBERMAN]. Issued by TsK Profsotniz rabocikh lesnoi, bumazhnoi i derevobratvatel'skoi promyshlennosti [Central Committee of the Trade Union of Workers of the Forest, Paper, and Woodworking Industries]. Moscow, vol. 7, nos. 2-3, Feb.-March 1963.

MUSU GIRIOS [OUR FORESTS]. Issued by Lietuvos TSR Misku uklo ir misko pramonės ministerija and Gamtos apsaugos komitetas prie Lietuvos TSR Ministrų Tarybos [Ministry of Forestry and Lumbering of the Lithuanian S.S.R. and the Committee on Conservation, Attached to the Council of Ministers of the Lithuanian S.S.R.]. Vilnius, no. 2(175), Feb. 1963. [In Lithuanian]

REFERATIVNYI ZHURNAL: LESOVEDENIE I LESOVODSTVO (Oldel'nyi vypusk 56) [JOURNAL OF ABSTRACTS: FORESTRY AND FOREST MANAGEMENT (Separate Issue 56)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-4, Jan.-Apr. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vyssikh uchelnnykh zavedenii; tsentral'nyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Forestry Journal]. Moscow, vol. 5, no. 5, 1962.

d. PLANT CULTURE

IOLOTANSKAYA SELEKSIONNAIA STANTSIIA. Trudy [IOLOTAN PLANT BREEDING STATION. Transactions]. Ashkhabad, vol. 1, 1961. (DNAL)

LEN I KONOPLIA [FLAX AND HEMP]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 8(25), no. 3, 1963. (DNAL)

REFERATIVNYI ZHURNAL: RASTENIEVODSTVO (Oldel'nyi vypusk 55) [JOURNAL OF ABSTRACTS: PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, 5-6, Jan.-March 1963.

SEL'SKOE KHOZIAISTVO ZA RUBEZHOM: RASTENIEVODSTVO [AGRICULTURE ABROAD: PLANT CULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 9, 1962. (DNAL)

TABAK [TOBACCO]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot i Tsentral'noe pravlenie Nauchno-issledovatel'skogo obshchestva pishchevoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 24, no. 1, 1963. (DNAL)

VINO DELIE I VINOGRADARSTVO SSSR [VITICULTURE AND WINE MAKING IN THE U. S. S. R.]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee of the Council of Ministers of the U. S. S. R. for the Coordination of Research and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 23, no. 2(217), 1963.

16. TECHNOLOGY

a. GENERAL

AKADEMIA NAUK ARMIAŃSKOI SSR, Erivan. Izvestia. Seriya tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S. S. R. Bulletin. Series in the Technological Sciences]. Erivan, vol. 15, no. 6, 1962.

BEZOPASNOST' TRUDA V PROMYSHLENNOSTI [INDUSTRIAL SAFETY]. Organ of Gosudarstvennyi komitet pri Sovete Ministrov RSFSR po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru [State Committee for Safety Inspection in Industry and Mining, Attached to the Council of Ministers of the R. S. F. S. R.]. Moscow, vol. 6, no. 11, Nov. 1962; vol. 7, nos. 1-2, Jan.-Feb. 1963.

*BULLETEN' IZOBRETIENII [BULLETIN ON INVENTIONS]. Issued by Komitet po delam izobretenii i okrytiu pri Sovete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 39, no. 24, Dec. 1962.

INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Gosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization]. Moscow, vol. 24, no. 1, 1963.

*INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.]. Minsk, vol. 5, no. 12, Dec. 1962; vol. 6, no. 2, Feb. 1963.

*IZMERNITEL'NAIA TEKHNIKA [MEASUREMENT TECHNIQUES]. Issued by Komitet standartov, mer i izmerenii pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

KAUNAS. POLITECHNIKOS INSTITUTAS. Darbai. Trudy Kaunasskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE, Transactions]. Vols. 3-4, 1955; vols. 5-7, 1957; vols. 8, 10, 1958; vols. 11-12, 1959.

MOKSLAS IR TEHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Lietuvos TSR Ministras Tarybos Valstybinis mokslinio tyrimo darbu koordinavimo komitetas [State Committee of the Council of Ministers of the Lithuanian S. S. R. for the Coordination of Research] and others. Kaunas, vol. 5, no. 2, Feb. 1963. [In Lithuanian]

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSEDOVATELSKII INSTITUT NAUCHNOI I TEKHICHESKOEI INFORMATSII. Bulletin tekhniko-ekonomicheskoi informatsii [STATE SCIENTIFIC RESEARCH INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION, Bulletin of Technical and Economic Information]. Nos. 1-2, 1963.

MOSCOW. VYSTAVKA DOBYTIZHENII NARODNOGO KHOZIAISTVA SSSR. Informatsionnyi bulletin [EXHIBITION OF ACHIEVEMENTS OF THE NATIONAL ECONOMY OF THE U. S. S. R. Information Bulletin]. No. 2(22), Feb. 1962.

NOVOCHERKASSK. POLITICHESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE, Transactions]. Erivan, vol. 123, 1961.

NOVYE KNIGI ZA RUBEZHOM. Seriya B: Tekhnika [NEW FOREIGN BOOKS. Series B: Technology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 7, no. 3, March 1963.

OBZOR POL'SKOI TEKHICHESKOEI LITERATURY. POLISH TECHNICAL ABSTRACTS. Issued by Centralnyi institut informatsii nauko-technicheskoi i ekonomicheskoi [Central Institute of Scientific, Technical, and Economic Information]. Warsaw, no. 4(48), 1962.

PMTE: zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTE: Journal of Applied Mechanics and Technical Physics]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 1, Jan.-Feb. 1963.

PROFESSIONAL'NO-TEKHICHESKOE OBRAZOVANIE [VOCATIONAL TECHNICAL EDUCATION]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po professional'no-tekhnicheskomu obrazovaniu [State Committee of the Council of Ministers of the U. S. S. R. for Vocational Technical Education]. Moscow, vol. 19, nos. 1(210)-12(211), Nov.-Dec. 1962; vol. 20, nos. 1(212)-2(213), Jan.-Feb. 1963.

PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA]. Issued by Sovet narodnogo khoziaistva Armianskoi SSR [Economic Council of the Armenian S. S. R.]. Erivan, vol. 5, no. 12, Dec. 1962.

REFERATIVNYI ZHURNAL: METROLOGIA I IZMERITEL'NAIA TEKHNIKA (Otdel'nyi vypusk 32) [JOURNAL OF ABSTRACTS: MEASUREMENT AND MEASUREMENT TECHNIQUES (Separate Issue 32)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

REFERATIVNYI ZHURNAL: NAUCHNAIA I TEKHICHESKAA INFORMATSIIA (Otdel'nyi vypusk 59) [JOURNAL OF ABSTRACTS: SCIENTIFIC AND TECHNICAL INFORMATION (Separate Issue 59)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 1-2, Jan., March 1963.

TEKHNIKA JA TOOTMINE [TECHNOLOGY AND PRODUCTION]. Issued by Eesti NSV Ministrite Nougogu Riiklik Teaduslik-Tehniline Komitee and Eesti NSV Ametühingute Nougogu [State Scientific Technological Committee of the Council of Ministers of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.]. Tallinn, vol. 7, no. 2, Feb. 1963. [In Estonian]

*ZHURNAL TEKHICHESKOEI FIZIKI [JOURNAL OF TECHNICAL PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 32, no. 12, Dec. 1962; vol. 33, no. 1, Jan. 1963.

b. AERONAUTICS

AVIATSIIA I KOSMONAVTIKA [AVIATION AND ASTRONAUTICS]. Moscow, vol. 45, no. 2, Feb. 1963.

GRAZHDANSKAA AVIATSIIA [CIVIL AVIATION]. Issued by Glavnoe upravlenie grazhdanskogo vozdukhogo flota pri Sovete Ministrov SSSR [Main Administration of Civil Aviation, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 19, nos. 10, 12, Oct., Dec. 1962.

KRYLIA RODINY [WINGS OF THE MOTHERLAND]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodel'stvia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 13, nos. 7, 12, July, Dec. 1962.

MOSCOW. AVIATSIONNYI INSTITUT. Trudy [AERONAUTICAL INSTITUTE, Transactions]. No. 147, 1962.

MOSCOW. AVIATSIONNYI TEKHNOLOGICHESKII INSTITUT. Trudy. [TECHNOLOGICAL INSTITUTE OF AERONAUTICS, Transactions]. No. 54, 1962. Contents: Serensen, S. V., and others. [Structural strength of airplane alloys] Konstruktsionnaya prochnost' aviatsionnykh splavov. 100 p.

REFERATIVNYI ZHURNAL: AVIATSIONNYE I RAKETNYE Dvigateli (Otdel'nyi vypusk 34) [JOURNAL OF ABSTRACTS: AIRCRAFT AND ROCKET ENGINES (Separate Issue 34)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 1-3, Jan.-March 1963.

REFERATIVNYI ZHURNAL: RAKETOSTROENIE (Otdel'nyi vypusk 41) [JOURNAL OF ABSTRACTS: ROCKET BUILDING (Separate Issue 41)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 1-2, 4, Jan.-Feb., Apr. 1963.

REFERATIVNYI ZHURNAL: VOZDUSHNYI TRANSPORT (JOURNAL OF ABSTRACTS: AIR TRANSPORTATION). Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 2-3, Feb.-March 1963. Avtorskii ukazatel' za 1962 g. [Author Index for 1962], publ. 1963. [This journal is also issued in parts.]

c. CHEMICAL TECHNOLOGY

GIDROLIZNAIA I LESOKHIMICHESKAA PROMYSHLENNOST' [HYDROLYSIS AND WOOD CHEMISTRY INDUSTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tseluluzno-bumazhnoi, derevoobrabatывающей promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and Tsentral'noe pravlenie NTO bumazhnoi i derevoobrabatывающей promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industries]. Moscow, vol. 16, no. 1, 1963.

*KAUCHUK I REZINA [CRUDE AND VULCANIZED RUBBER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po khimii i Vsesoiuznoe khimicheskoe obshchestvo [State Committee on Chemistry of Ministers of the U. S. S. R. for Chemistry and the All-Union Chemical Society]. Moscow, vol. 22, no. 2, Feb. 1963.

KHIMICHESKAA PROMYSHLENNOST' [CHEMICAL INDUSTRIES]. Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR [State Committee on Chemistry, Attached to the State Planning Committee of the U. S. S. R.]. Moscow, nos. 11-12, Nov.-Dec. 1962.

KHIMICHESKIE VOLOKNA [SYNTHETIC FIBERS]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po khimii [State Committee of the Council of Ministers of the U. S. S. R. on Chemistry]. Moscow, no. 3, 1962; no. 1, 1963.

KHIMIIA I TEKHNOLOGIIA POLIMEROV; sbornik perevodov iz inostrannoi periodicheskoi literatury [THE CHEMISTRY AND TECHNOLOGY OF POLYMERS; Translations From Foreign Periodical Literature]. Moscow, vol. 7, nos. 2-3, 1963.

KHIMIIA I TEKHNOLOGIIA TOPLIV I MASEL [CHEMISTRY AND TECHNOLOGY OF FUEL AND OIL]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po toplivnoi promyshlennosti [State Committee of the Council of Ministers of the U. S. S. R. for the Fuel Industry] and others. Moscow, vol. 8, no. 1, Jan. 1963.

KIEV. TSENTRAL'NYI NAUCHNO-ISSEDOVATELSKII INSTITUT SAKHARNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE SUGAR INDUSTRY, Transactions]. No. 7, 1960.

*KOKS I KHIMIIA [COKE AND CHEMISTRY]. Organ of Gosudarstvennyi komitet po chernoi i tselnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U. S. S. R.]. Moscow, nos. 1-2, 1963.

KONSERVNAIA I OVOSHCHESUSHIL'NAIA PROMYSHLENNOST' [THE CANNING AND DEHYDRATED VEGETABLE INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 16, nos. 1-2, Jan.-Feb., 1963.

LAKOKRASOCHEIYE MATERIALY I IKH PRIMENENIE [LACQUER AND PAINT MATERIALS AND THEIR USE]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po khimii [State Committee for Chemistry of the Council of Ministers of the U. S. S. R.]. Moscow, no. 1, 1963.

MASLOBOINO-ZHIROVAIA PROMYSHLENNOST' [OILS AND FATS INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 20, no. 1, Jan. 1963.

MOSCOW. TEKHNOLOGICHESKII INSTITUT PISHCHEVOI PROMYSHLENNOSTI. Trudy [TECHNOLOGICAL INSTITUTE OF THE FOOD INDUSTRY, Transactions]. Vol. 15, 1960.

NEFTEKHIMIIA [PETROCHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 3, no. 1, Jan.-Feb. 1963.

*PLASTICHESKIE MASSY [PLASTICS]. Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR [State Committee for Chemistry, Attached to the State Planning Committee of the U. S. S. R.]. Moscow, nos. 1-2, 1963.

REFERATIVNYI ZHURNAL: KHIMICHESKOE I KHOLODIL'NOE MASHINOSTROENIE (Otdel'nyi vypusk 47) [JOURNAL OF ABSTRACTS: CHEMICAL AND REFRIGERATION MACHINERY MANUFACTURE (Separate Issue 47)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.

SPIRTOVAIA PROMYSHLENNOST' [DISTILLING INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 29, no. 1, 1963.

*STEKLO I KERAMIKA [GLASS AND CERAMICS]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 20, no. 2, Feb. 1963.

ZHURNAL NAUCHNOI I POKLADNOI FOTOGRAFI I KINEMATOGRAFI [JOURNAL OF SCIENTIFIC AND APPLIED PHOTOGRAPHY AND CINEMATOGRAPHY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 1, Jan.-Feb. 1963.

d. CIVIL & CONSTRUCTION ENGINEERING

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut betona i zhelezobetona, Perovo. Trudy [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Institute of Concrete and Reinforced Concrete, Tractions]. Moscow, no. 25, 1962.

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut osnovanii i podzemnykh sooruzhenii. (Trudy) [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Institute of Foundations and Underground Construction. (Transactions)] Moscow, no. 51, 1962.

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut stroitel'nykh konstruktov. Nauchnye soobshcheniya [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Institute of Construction Design. Scientific Reports]. Moscow, no. 18, 1962.
Contents: Rabinovich, A.I. [Precast undulate arches] Sbornye volniste svody. 113 p.

No. 19, 1962.
Contents: Vasil'kov, B.S. [Design of shells with an asymmetric contour] Raschet obolochek s nesimmetrichnym konturom. 122 p.

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut stroitel'nykh konstruktov. Trudy [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Institute of Construction Design. Transactions]. Moscow, no. 18, 1962.

AKADEMIYA STROITEL'STVA I ARKHITEKTURY S.S.S.R. Tsentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R. Central Institute of Scientific Information on Construction and Architecture. Construction Practice Abroad]. Moscow, no. 1, 1961. Stroitel'nye materialy [Building Materials]

AVTOMOBIL'NYE DOROGI [HIGHWAYS]. Issued by Ministerstvo transportnogo stroitel'stva SSSR [Ministry of Construction for the Transportation Industry of the U.S.S.R.]. Moscow, vol. 25, nos. 9(238), 12(242), Aug., Dec. 1962.

BABUSHKIN, VSESOIUNZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT TRANSPORTNOGO STROITEL'STVA Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF TRANSPORTATION CONSTRUCTION. Transactions]. No. 48, 1962.
Contents: [Economic efficiency of capital investments and new machinery in transportation construction] Ekonomicheskaya effektivnost' kapital'nykh vlozhenii i novoi tekhniki v transportnom stroitel'stve. 142 p.

BETON I ZHELEZOBETON [CONCRETE AND REINFORCED CONCRETE]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 8, no. 12, Dec. 1962.

BIULLETEN' STROITEL'NOI TEKHNIKI [BULLETIN OF CONSTRUCTION ENGINEERING]. Published by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 20, no. 2, Feb. 1963.

GIDROTEKHNIKHESKOE STROITEL'STVO [HYDROTECHNICAL CONSTRUCTION]. Organ of Ministerstvo stroitel'stva elektrostantsii SSSR [Ministry for the Construction of Electric Power Stations of the U.S.S.R.]. Moscow, vol. 32, no. 9, Sep. 1962.

GORODSKOE KHOZIAISTVO MOSKVY [MUNICIPAL ECONOMY OF MOSCOW]. Organ of Ispolkom Moskovskogo gorodskogo soveta deputatov trudiashechikh [Executive Committee of the Moscow City Soviet of Workers' Deputies]. Moscow, vol. 36, nos. 2, 12, Feb., Dec. 1962.

LENINGRAD. INSTITUT INZHENEROV ZHELEZNO-DOROZHNOGO TRANSPORTA. Sbornik trudov [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Papers]. Moscow, nos. 183, 199, 1962.

MONTAZHNYE I SPETSIALIZIROVANNYE RABOTY V STROITEL'STVE [ASSEMBLING AND SPECIALIZED OPERATIONS IN CONSTRUCTION]. Organ of Ministerstvo stroitel'stva RSFSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [Ministry of Construction of the R.S.F.S.R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol. 25, no. 3, March 1963.

MOSCOW. INZHENERNO-STROITEL'NYI INSTITUT. Sbornik trudov [CIVIL ENGINEERING INSTITUTE. Collected Papers]. No. 18, 1962.

NA STROIKAKH ROSSII [AT RUSSIAN CONSTRUCTION PROJECTS]. Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam stroitel'stva [State Committee of the Council of Ministers of the R.S.F.S.R.]. Moscow, vol. 3, nos. 2-3, 12, Feb.-Mar., Dec. 1962.

NOVOROSSIISK. GOSUDARSTVENNYI PROEKTNYI INSTITUT TSEMENTNOI PROMYSHLENNOSTI. Sbornik trudov [STATE DESIGN INSTITUTE OF THE CEMENT INDUSTRY. Papers]. Krasnodar, no. 1, 1961.

OSNOVANIYA, FUNDAMENTY I MEKHANIKA GRUNTOV [FOUNDATIONS AND SOIL MECHANICS]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 4, no. 1, 1962.

PUT' I PUTEVOE KHOZIAISTVO [RAILROAD TRACKS AND ROADWAY MAINTENANCE]. Organ of Ministerstvo puti soobshcheniya SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 7, no. 2, 1963.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYE DOROGI [JOURNAL OF ABSTRACTS: HIGHWAYS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.

SEL'SKOE STROITEL'STVO [RURAL CONSTRUCTION]. Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam stroitel'stva [State Committee of the Council of Ministers of the R.S.F.S.R. for Construction]. Moscow, vol. 16, no. 3(126), Mar. 1960.

SEL'SKE BUDIVNYTSTVO [RURAL CONSTRUCTION]. Issued by Ministerstvo vyrobnystva i zakhvat' sil'skokhospodars'kykh produktiv Ukrainy SSSR [Ministry of Production of Procurement of Agricultural Products of the Ukrainian S.S.R.]. Kiev, vol. 13, no. 2, Feb. 1963.

STROITEL' [THE BUILDER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva and Tsentral'nyi komitet Protsoluzha rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee of the Council of Ministers of the U.S.S.R. for Construction and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, vol. 8, nos. 1-2, Jan.-Feb. 1962; vol. 9, no. 2, Feb. 1963.

STROITEL'NYE MATERIALY [BUILDING MATERIALS]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 8, no. 2, Feb. 1963.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY SSSR]. Organ of Ministerstvo transportnogo stroitel'stva [Ministry of Construction for the Transportation Industry of the U.S.S.R.]. Moscow, vol. 12, nos. 7, 9, July, Sep. 1962.

*TSEMENT [CEMENT]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, vol. 29, no. 1, Jan.-Feb. 1963.

VODOSNABZHENIE I SANITARNAYA TEKHNIKA [WATER SUPPLY AND SANITARY ENGINEERING]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, nos. 1-2, Jan.-Feb. 1963.

VOPROSY GIDROTEKHNIKI [PROBLEMS OF HYDRAULIC ENGINEERING]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 10, 1962.

ZHILISHCHNO-KOMMUNAL'NOE KHOZIAISTVO [COMMUNAL HOUSING AND SERVICES]. Issued by Ministerstvo kommunalnogo khoziaistva RSFSR and TsK prosluzha rabochikh mestnoi promyshlennosti i kommunalnogo khoziaistva [Ministry of Communal Economy of the R.S.F.S.R. and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 12, nos. 8-10, Aug.-Oct. 1962.

ZHILISHCHNOE STROITEL'STVO [HOUSING CONSTRUCTION]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po stroitel'stva and Tsentral'noe pravleniye NTO stroitel'noi industrii [State Committee of the Council of Ministers of the U.S.S.R. for Construction and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, no. 9, 1962; no. 1, 1963.

e. ELECTRICAL ENGINEERING

*ATOMNAYA ENERGIYA [ATOMIC ENERGY]. Issued by Akademiya nauk SSSR and Gosudarstvennyi komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoi energii [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic Energy of the Council of Ministers of the U.S.S.R.]. Moscow, vol. 14, no. 3, March 1963.

ATOMNAYA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD]. Issued by Gosudarstvennyi Komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoi energii [State Committee of the Council of Ministers of the U.S.S.R. for the Utilization of Atomic Energy]. Moscow, vol. 7, no. 2, Feb. 1963.

AVTOMATIKA I PRIDOROSTROENIE [AUTOMATIC CONTROL AND INSTRUMENT MANUFACTURE]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainy SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Institut avtomatiki Gosplana Ukrainy SSSR [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Institute of Automatic Control of the State Planning Commission of the Ukrainian S.S.R.]. Kiev, no. 3, July-Sep. 1962.

*AVTOMATIKA I TELEMEXHANIKA [AUTOMATIC AND REMOTE CONTROL]. Issued by Institut avtomatiki i telemexhaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 24, no. 2, Feb. 1963.

AVTOMATIKA I TELEMEXHANIKA; sbornik statei [AUTOMATIC AND REMOTE CONTROL; papers]. Issued by Moskovskii inzhenerno-fizicheskii institut [Moscow Institute of Engineering Physics]. Moscow, no. 3, 1962.

AVTOMATIKA, TELEMEXHANIKA I SVIAZI' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS]. Organ of Ministerstvo puti soobshcheniya SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 8, no. 7, July 1962; vol. 7, nos. 1, 3, Jan., March 1963.

ELEKTRICHESKIE STANTSI [ELECTRIC POWER STATIONS]. Organ of Gosplan SSSR [State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 33, no. 12, Dec. 1962; vol. 34, no. 1, Jan. 1963.

ELEKTRICHESSTVO [ELECTRICITY]. Organ of Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, Jan. 1963.

*ELEKTROSVIAZ' [TELECOMMUNICATION]. Organ of Ministerstvo svyazi SSSR and Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosvyazi im A.S. Popova [Ministry of Communication of the U.S.S.R. and the A.S. Popov Scientific Technological Society of Radio Engineering and Telecommunication]. Moscow, vol. 17, no. 1, Jan. 1963.

B 16e-g

- ENERGETICHESKOE STROITEL'STVO**; sbornik materialov po obмену opytom [POWER CONSTRUCTION; Collection of Materials for the Exchange of Experience]. Issued by Tekhnicheskoe upravlenie Ministerstva stroitel'stva elektrostani SSSR [Technical Administration of the Ministry for the Construction of Electric Power Stations of the U.S.S.R.]. Moscow, no. 30, 1962.
- ENERGETIKA I ELEKTROTEKHNIKESKAYA PROMYSHLENNOST'** [POWER ENGINEERING AND THE ELECTRIC EQUIPMENT INDUSTRY]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainoi SSR po koordinatsii nauchno-issledovatel'skikh rabot and Oblasnoye pravleniye Nauchno-tekhnicheskogo obshchestva energopromyshlennosti Ukrainoi SSR [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Province Administrations of the Scientific and Technological Society of the Power Industry of the Ukrainian S.S.R.]. Kiev, no. 4(12), Oct.-Dec. 1962.
- ENERGOKHOZIAISTVO ZA RUBEZHOM**; prilozhenie k zhurnalu "Elektricheskie stantsii" [ELECTRIC POWER PRODUCTION AND UTILIZATION IN FOREIGN COUNTRIES; Supplement to the periodical "Electric Power Stations"]. Issued by Gosudarstvennoe energeticheskoe izdatel'stvo [State Power Engineering Publishing House]. Moscow, no. 5, Sep.-Oct. 1962; no. 1, Jan.-Feb. 1963.
- LATVIJAS PADOMJU SOCIALISTIKAS REPUBLIKAS ZINATNU AKADEMIJA**. Elektronika un skallosanas tehnikas instituta. Trudy Instituta elektroniki i vychislitel'noi tekhniki Akademii nauk Latvijas SSR [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Institute of Electronics and Computer Technology. Transactions]. Riga, vols. 1-3, 1961-1962. Avtomatika i vychislitel'naya tekhnika [Automation and Computer Technology], nos. 1-3.
- PROMYSHLENNAYA ENERGETIKA** [INDUSTRIAL POWER]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR and Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti [State Committee for the Coordination of Research in the U.S.S.R. and the Scientific Technological Society of the Power Industry]. Moscow, vol. 18, no. 2, Feb. 1963.
- RADIO [RADIO]**. Organ of Ministerstvo svyazi SSSR and Vsesoyuznoe dobrovol'noe obshchestvo sodel'stviya armii, aviasii i floti [Ministry of Communication of the U.S.S.R. and of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, nos. 2-3, Feb., -March 1963.
- *RADIOTEKHNIKA** [RADIO ENGINEERING]. Organ of Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosvyazi Im. A. S. Popova [A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunications]. Moscow, vol. 18, no. 1, Jan. 1963.
- *RADIOTEKHNIKA I ELEKTRONIKA** [RADIO ENGINEERING AND ELECTRONICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 2, Feb. 1963.
- REFERATIVNYI ZHURNAL: AVTOMATIKA, TELEMEXHANIKA I VYCHISLITEL'NAYA TEKHNIKA** [JOURNAL OF ABSTRACTS: AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.
- REFERATIVNYI ZHURNAL: ELEKTROTEKHNIKA I ENERGETIKA** [JOURNAL OF ABSTRACTS: ELECTRICAL ENGINEERING AND ELECTRIC POWER]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.
- REFERATIVNYI ZHURNAL: ELEKTRONIKA I EE PRIMENENIE** [JOURNAL OF ABSTRACTS: ELECTRONICS AND ITS APPLICATIONS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.
- REFERATIVNYI ZHURNAL: IADERNYE REAKTORY** [Otdel'nyi vypusk 50] [JOURNAL OF ABSTRACTS: NUCLEAR REACTORS (Separate Issue 50)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.
- REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVYAZ'** [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND TELECOMMUNICATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya**. Izvestiya vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]. Moscow, vol. 6, no. 1, Jan. 1963.
- VESTNIK ELEKTROPROMYSHLENNOSTI** [REVIEW OF THE ELECTRICAL INDUSTRY]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. on the Coordination of Research] and others. Moscow, vol. 34, no. 2, Feb. 1963.
- *VESTNIK SVYAZI** [COMMUNICATION REVIEW]. Issued by Ministerstvo svyazi SSSR i Tsentral'nyi komitet Profsoyuza rabotnikov svyazi, rabochikh avtomobil'nogo transporta i shosseyskikh dorog [Ministry of Communication of the U.S.S.R. and the Central Committee of the Trade Union of Communications Employees and Workers of Automotive Transportation and Highways]. Moscow, vol. 23, no. 2(275), Feb. 1963.
- ZARUBEZHNAIA RADIOELEKTRONIKA** [RADIO ELECTRONICS ABROAD]. Moscow, no. 2, Feb. 1963.
- f. INDUSTRIES & TRADES**
- AKADEMIYA NAUK URSS**. Kiev. Institut elektrozvarivaniya. Avtomaticheskaya svarka [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Electric Welding. Automatic Welding]. Kiev, vol. 15, no. 12(117), Dec. 1962; vol. 16, no. 1(118), Jan. 1963.
- BUMAZHNAIA PROMYSHLENNOST'** [PAPER INDUSTRY]. Organ of Gosudarstvennyi komitet po lesnoi, tselulozno-bumazhnoi, derevobrabatывающей promyshlennosti i lesnomu khozaystvu pri Gosplane SSSR i Tsentral'noe pravleniye NTO bumazhnoi i derevobrabatывающей promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, vol. 38, nos. 1-2, Jan.-Feb. 1963.
- KHLEBOPEKARNAYA I KONDIKTERSKAYA PROMYSHLENNOST'** [BAKING AND CONFECTIONERY INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR i Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 7, no. 1, Jan. 1963.
- KOZHEVENNO-OBUVNAYA PROMYSHLENNOST'** [LEATHER AND FOOTWEAR INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR i Tsentral'noe pravleniye NTO legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry]. Leningrad, vol. 5, no. 1, Jan. 1963.
- LEHKAYA PROMYSHLOVIST'** [LIGHT INDUSTRY]. Issued by Institut tekhnicheskoi informatsii Derzhavnoho komiteta Rady Ministriv URSS po koordinatsii naukovodozhdnykh robot and Ukrain'ske naukovotekhnichne tovarystvo lehkoi promyslovosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Scientific Technological Society of Light Industry]. Kiev, no. 3(11), June-Aug. [sic] 1962.
- LENINGRAD, LESOTEKHNIKESKAYA AKADEMIYA**. Nauchnye trudy [ACADEMY OF WOOD TECHNOLOGY. Studies]. No. 95, 1961.
- LITERATURA PO LESNOI I BUMAZHNOI PROMYSHLENNOSTI** [LITERATURE ON FOREST AND PAPER INDUSTRIES]. Issued by Tsentral'naya nauchno-tekhnicheskaya biblioteka lesnoi i bumazhnoi promyshlennosti [Central Scientific and Technical Library of Forest and Paper Industries]. Moscow, nos. 64-65, 1962.
- MESTNAYA PROMYSHLENNOST' I KHUZOZHESTVENNYE PROMYSLY** [LOCAL INDUSTRY AND ART TRADES]. Issued by Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam mestnoi promyshlennosti i khudozhestvennykh promyslov i TsK Profsoyuza rabochikh mestnoi promyshlennosti i kommunal'nogo khozaystva [State Committee of the Council of Ministers of the R.S.F.S.R. for Local Industry and Art Trades and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 3, no. 12. Dec. 1962; vol. 3, no. 1, Jan.; vol. 4, no. 2, Feb. 1963.
- MODELI SEZONA** [SEASON'S FASHIONS]. Issued by Vsesoyuznyi Institut assortimenta izdelii tekstil'noy promyshlennosti i kul'tury odezhdy [All-Union Institute of the Products of Light Industry and the Style of Clothing]. Moscow, no. 1, Spring-Summer, 1963.
- MOSCOW. VSESOUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT PLENOCHNYKH MATERIALOV I ISKUSSTVENNOI KOZHII**. Nauchno-issledovatel'skie trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF FILM MATERIALS AND ARTIFICIAL LEATHER. Scientific Research Papers]. No. 12, 1960.
- MOSCOW. VSESOUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT TRIKOTAZHNOI PROMYSHLENNOSTI**. Nauchno-issledovatel'skie trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF THE KNIT GOODS INDUSTRY. Scientific Research Papers]. No. 2, 1963.
- MUKOMOL'NO-ELEVATORNAYA PROMYSHLENNOST'** [FLOUR MILLING AND GRAIN STORAGE]. Organ of Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee for Procurement of the Council of Ministers of the U.S.S.R.]. Moscow, vol. 28, no. 11, Nov. 1962.
- NAUCHNO-TEKHNIKESKOE OBSHCHESTVO BUMAZHNOI I DEREVOBRABATывающей PROMYSHLENNOSTI** (Trudy) [SCIENTIFIC TECHNOLOGICAL SOCIETY OF THE PAPER AND WOODWORKING INDUSTRY. (Transactions)]. Moscow, no. 9, 1959.
- REFERATIVNYI ZHURNAL: LEGKAYA PROMYSHLENNOST'** [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, March 1963. Avtorskii ukazatel' za 1962 g. [Author Index for 1962], publ. 1963. [This journal is also issued in parts.]
- *RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya**. Izvestiya vysshikh uchebnykh zavedenii; tekhnologii tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]. Moscow, no. 6(31), 1962.
- *SVAROCHNOE PROIZVODSTVO** [WELDING PRACTICE]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. on the Coordination of Research] and others. Moscow, nos. 1(313)-2(314), Jan.-Feb. 1963.
- TEKSTIL'NAYA PROMYSHLENNOST'** [TEXTILE INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. on Coordination of Research and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, vol. 23, no. 1, Jan. 1963.
- TOIDUAINETE TOOSTUS** [FOOD INDUSTRY]. Issued by Eesti NSV Ministrite Nõukogu Riiklik Toiduainete-Tehnoloogilise Komitee [State Scientific and Technical Committee of the Council of Ministers of the Estonian S.S.R.]. Tallinn, no. 2(14), 1962. [In Estonian]
- g. MECHANICAL ENGINEERING**
- AKADEMIYA NAUK SSSR**. Izvestiya. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Department of Technological Sciences. Mechanics and Machine Building]. Moscow, no. 1, Jan.-Feb. 1963.
- AUTOTRANSPORT JA MAANTEED** [AUTOMOTIVE TRANSPORTATION AND HIGHWAYS]. Issued by Eesti NSV Ministrite Nõukogu Riiklik Teaduslik-Tehnoloogilise Komitee [State Scientific and Technical Committee of the Council of Ministers of the Estonian S.S.R.]. Tallinn, no. 4(10), 1961. [In Estonian]

AVTOMATICHESKII KONTROL' I IZMERITEL'NAIA TEKHNIKA [AUTOMATIC CONTROL AND MEASUREMENT TECHNIQUES]. Issued by Institut mashinostroyeniya i avtomatyky Akademii nauk SSSR [Institute of Machinery and Automates of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 6, 1962.

AVTOMOBIL'NAIA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniiu [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture]. Moscow, vol. 29, no. 2, Feb. 1963.

AVTOMOBIL'NIY TRANSPORT [AUTOMOTIVE TRANSPORTATION]. Organ of Ministerstvo avtomobil'nogo transporta i shosseinykh dorog RSFSR and Tsentral'nyi komitet Profsoyuza rabotnikov svyazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communication, Automotive Transport, and Highway Workers]. Moscow, vol. 41, nos. 1-2, Jan.-Feb. 1963.

AVTOMOBIL'NIY TRANSPORT ZA RUDEZHOM; sbornik perevodnykh materialov iz inostrannoi periodicheskoi literatury po voprosam avtomobil'nogo transporta [AUTOMOTIVE TRANSPORTATION ABROAD; Translations of Foreign Periodical Literature on Problems of Automotive Transportation]. Issued by Gosudarstvennyi nauchno-issledovatel'skii institut avtomobil'nogo transporta [State Scientific Research Institute of Automotive Transportation]. Moscow, no. 6, 1962.

DNEPROPETROVSK. INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Transactions]. No. 32, 1961.

ELEKTRICHESKAYA I TEPLOVOZNAIA TIAGA [ELECTRIC AND DIESEL LOCOMOTIVE TRACTION]. Organ of Ministerstvo puti soobshcheniya SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 6, no. 12(72), Dec. 1962; vol. 7, nos. 1(73)-2(74), Jan.-Feb. 1963.

KONSTRUIROVANIE KRUPNYKH MASHIN [DESIGN OF HEAVY MACHINERY]. Issued by Nauchno-issledovatel'skii institut tiazhelego mashinostroyeniya [Scientific Research Institute of Heavy Machinery Manufacture]. Moscow, no. 1, 1962.

KUZNECHNO-SHTAMPOVOCHNOE PROIZVODSTVO [FORGING AND STAMPING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniiu i Nauchno-tekhnicheskoe obshchestvo mashinostroyitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture and the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 5, nos. 1-2, Jan.-Feb. 1963.

MASHINOSTROYENIE [MACHINERY MANUFACTURE]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. on the Coordination of Research]. Kiev, no. 6(18), Nov.-Dec. 1962.

MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroyitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 1, Jan. 1963.

MEKHANIZATSIYA I AVTOMATIZATSIYA PROIZVODSTVA [MECHANIZATION AND AUTOMATION OF PRODUCTION]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniiu [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture]. Moscow, vol. 17, nos. 1-2, Jan.-Feb. 1963.

MOSCOW. MOSKOVSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions]. Nos. 160-161, 163, 160, 1962.

MOSCOW. VSESOUZNIY NAUCHNO-ISSEDOVATELSKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Transactions]. No. 228, 1962. Contents: [Unit replacement system and concentration of locomotive repair work] Agregatnyi metod i konsentratsiya remonta lokomotivov. 179 p.

No. 240, 1962.

Contents: [Mechanization and automation of information and accounting work in railroad sections] Mekhanizatsiya i avtomatizatsiya informatsionno-uchetnoi raboty na otdelnykh zheleznykh dorog. 159 p.

No. 245, 1962.

Contents: Karpov, N. A. [Light vibratory machinery for track maintenance and repair; theory, design, construction, and testing] Legkie vibratsionnye putevye mashiny; teoriya, raschet, konstruirovaniye i ispytaniya. 311 p.

No. 246, 1962.

No. 247, 1962.

Contents: [Construction of a plan for making up trains using electronic computers] Sostavleniye plana formirovaniya poezdov na elektronnykh tsifrovyykh vychislitel'nykh mashinakh. 233 p.

No. 248, 1962.

Contents: [Truck-type locomotive underframes for high-speed traffic] Telezhechnye ekipazhi lokomotivov dlya povyshennykh sklorosti dvizheniya. 303 p.

PRIBOROSTROYENIE [INSTRUMENT MANUFACTURE]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroyeniiu pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva priborostroyitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific and Technological Society of the Instrument Industry]. Moscow, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NIY I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, March 1963. [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: Dvigateli vnutrennego sgoraniya (Otdel'nyi vypusk 39) [JOURNAL OF ABSTRACTS: INTERNAL-COMBUSTION ENGINES (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-4, Jan.-Apr. 1963.

REFERATIVNYI ZHURNAL: FOTOKINOTEKHNIKA (Otdel'nyi vypusk 46) [JOURNAL OF ABSTRACTS: PHOTOGRAPHIC AND MOTION-PICTURE EQUIPMENT (Separate Issue 46)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.

REFERATIVNYI ZHURNAL: GORNOE, STROITEL'NOE I DOROZHNOE MASHINOSTROYENIE (Otdel'nyi vypusk 43) [JOURNAL OF ABSTRACTS: MANUFACTURE OF MINING MACHINERY, CONSTRUCTION EQUIPMENT, AND ROAD MACHINERY (Separate Issue 43)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.

REFERATIVNYI ZHURNAL: KOMMUNAL'NOE, BYTOVOE I TORGOVOE OBOURODOVANIE (Otdel'nyi vypusk 33) [JOURNAL OF ABSTRACTS: COMMUNAL, HOUSEHOLD, AND COMMERCIAL EQUIPMENT (Separate Issue 33)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-4, Feb.-Apr. 1963.

REFERATIVNYI ZHURNAL: KOTLOSTROYENIE (Otdel'nyi vypusk 42) [JOURNAL OF ABSTRACTS: BOILER MANUFACTURE (Separate Issue 42)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.

REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.

REFERATIVNYI ZHURNAL: PISHCHEVOE MASHINOSTROYENIE (Otdel'nyi vypusk 38) [JOURNAL OF ABSTRACTS: FOOD MACHINERY MANUFACTURE (Separate Issue 38)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-4, Jan.-Apr. 1963.

REFERATIVNYI ZHURNAL: PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Feb. 1963. [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: TEKHNLOGIYA I OBOURODOVANIE BUMAGODELATEL'NOGO I POLIGRAFIKHSKOGO PROIZVODSTVA (Otdel'nyi vypusk 37) [JOURNAL OF ABSTRACTS: TECHNOLOGY AND EQUIPMENT OF THE PAPERMAKING AND PRINTING INDUSTRY (Separate Issue 37)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.

REFERATIVNYI ZHURNAL: TEKHNLOGIYA MASHINOSTROYENIYA [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.

REFERATIVNYI ZHURNAL: TEPLOENERGETIKA [JOURNAL OF ABSTRACTS: HEAT ENGINEERING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.

REFERATIVNYI ZHURNAL: TOCHNAIA MEKHANIKA, OPTIKA I ISPYTATEL'NAIA APPARATURA (Otdel'nyi vypusk 40) [JOURNAL OF ABSTRACTS: PRECISION MECHANICS, OPTICS, AND TESTING APPARATUS (Separate Issue 40)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, 4, Jan.-Feb., Apr. 1963.

REFERATIVNYI ZHURNAL: TRAKTORY I SEL'SKOKHOZIAISTVENNYYE MASHINY I ORUDIYA (Otdel'nyi vypusk 44) [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 44)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Feb. 1963.

REFERATIVNYI ZHURNAL: TRUBOPROVODNYI TRANSPORT (Otdel'nyi vypusk 45) [JOURNAL OF ABSTRACTS: PIPELINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Feb. 1963.

REFERATIVNYI ZHURNAL: TURBOSTROYENIE (Otdel'nyi vypusk 49) [JOURNAL OF ABSTRACTS: TURBINE MANUFACTURE (Separate Issue 49)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, 4, Jan.-Feb., Apr. 1963.

REFERATIVNYI ZHURNAL: VOPROSY TEKHNIKESKOGO PROGRESSA I ORGANIZATSIY PROIZVODSTVA V MASHINOSTROYENII (Otdel'nyi vypusk 35) [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-3, Jan.-March 1963.

REFERATIVNYI ZHURNAL: VZAIMODEISTVIE RAZNYKH VIDOV TRANSPORTA I KONTEINERNYYE PEREVOZKI (Otdel'nyi vypusk 31) [JOURNAL OF ABSTRACTS: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION (Separate Issue 31)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb.-March 1963.

REFERATIVNYI ZHURNAL: ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS: RAILROAD TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, March 1963. [This journal is also issued in parts.]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; mashinostroenie [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Machine Manufacture]. Moscow, no. 9, 1962.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; priborostroenie [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Instrument Manufacture]. Moscow, vol. 6, no. 1, 1963.

*STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniui pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee, and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 34, no. 1, Jan. 1963.

*TEPLOENERGETIKA [HEAT ENGINEERING]. Organ of Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, vol. 10, no. 2, Feb. 1963.

TEPLOVOZNYE I SUDOVYE DVIGATELI [LOCOMOTIVE AND MARINE ENGINES]. Issued by Khar'kovskii zavod transportnogo mashinostroeniia i Khar'kovskii politekhnicheskii institut [Kharkov Transportation Machinery Plant and the Kharkov Polytechnic Institute]. Moscow, no. 3, 1962.

*VESTNIK MASHINOSTROENIIA [MACHINE BUILDING REVIEW]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. on the Coordination of Research] and others. Moscow, vol. 43, no. 1, Jan. 1963.

ZA BEZOPASNOST'. DVIZHENIYA [FOR TRAFFIC SAFETY]. Issued by Otdel RUD i GAI UVD Ispolkoma Mosgorsovetov [Traffic Department and the State Automobile Inspection Agency of the Administration of Internal Affairs of the Executive Committee of the Moscow City Soviet]. Moscow, vol. 5, no. 2(57), Feb. 1963.

ZHELEZNODOROZHNYI TRANSPORT [RAILROAD TRANSPORTATION]. Organ of Ministerstvo puti soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 45, no. 2, Feb. 1963.

b. MINING & METALLURGY

AKADEMIIA NAUK ARMIAANSKOI SSSR, Eriyan. Poleznye iskopaemye [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Mineral Resources]. Eriyan, no. 1, 1962.
Contents: Karamian, K. A. [Structure and formation of the Dastkert copper-molybdenum deposit]. Struktura i uslovia obrazovaniia Dastkertskogo medno-molibdenovogo mestorozhdeniia. 185 p.

AKADEMIIA NAUK KAZAKHSKOI SSR, Alma-Ata. Izvestiia. Seriya metallurgii, obogashcheniia i ogneporov [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Series in Metallurgy, Ore Dressing, and Refractories]. Alma-Ata, no. 2, 1958.

AKADEMIIA NAUK SSSR. Laboratoriia geologii ugla. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Laboratory of Geology of Coal. Transactions]. Moscow, no. 17, 1963.
Contents: Sal'nikov, B. A., and others. [History of Paleogene coal accumulation in Sakhalin]. Istorii paleogenovogo ugliakopleniia na territorii Sakhalina. 167 p.

AKADEMIIA NAUK URSS, Kiev. Institut hirnychoi spravy. Trudy [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Mining. Transactions]. Kiev, no. 11, 1962.

ALMA-ATA. KAZAKHSKII NAUCHNO-ISSEDOVATELSKII INSTITUT MINERAL'NOGO SYR'IA. Trudy [KAZAKH SCIENTIFIC RESEARCH INSTITUTE OF MINERAL RAW MATERIALS. Transactions]. No. 4, 1961.
Contents: Berger, G. S., Efimov, I. A. [Methods of separating monomineralic fractions] Metody vydeleniia monomineral'nykh fraktsii. 164 p.

AZERBAIDZHANSKOE NEFTIANOE KHOZIAISTVO [AZERBAIJAN PETROLEUM INDUSTRY]. Organ of Sovet narodnogo khoziaistva Azerbaidzhanskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Azerbaidzhanskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [Economic Council of the Azerbaijan S.S.R. and the State Committee of the Council of Ministers of the Azerbaijan S.S.R. for the Coordination of Research]. Baku, vol. 41, nos. 4(430)-5(431), 7(433), 11(437), Apr.-May, July, Nov. 1962.

DONETSK. NAUCHNO-ISSEDOVATELSKII UGOL'NYI INSTITUT. Sbornik. [SCIENTIFIC RESEARCH COAL INSTITUTE. Papers]. Moscow, no. 23, 1962.

*FIZIKA METALLOV I METALLOVEDENIE [THE PHYSICS OF METALS AND METALLOGRAPHY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Sverdlovsk, vol. 14, no. 6, Dec. 1962; vol. 15, no. 1, Jan. 1963.

*GEOLOGIYA NEFTI I GAZA [THE GEOLOGY OF PETROLEUM AND GAS]. Organ of Ministerstvo geologii i okhrany nedr SSSR and Glavnoe upravlenie gazovoi promyshlennosti pri Sovete Ministrov SSSR [The Ministry of Geology and the Conservation of Mineral Resources of the U.S.S.R. and the Main Administration of the Gas Industry, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, vol. 9 [i.e. 6], no. 9, Sep. 1962; vol. 7, no. 2, Feb. 1963.

GORNII ZHURNAL [MINING JOURNAL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, no. 2, Feb. 1963.

*LITENOE PROIZVODSTVO [FOUNDRY PRACTICE]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research] and others. Moscow, no. 7, July 1962.

*METALLOVEDENIE I TERMICHESKAI OBRABOTKA METALLOV [METALS AND HEAT TREATMENT OF METALS]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniui pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, no. 1, Jan. 1963.

*METALLURG [METALLURGIST]. Issued by Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 8, no. 2, Feb. 1963.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT MINERAL'NOGO SYR'IA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF MINERAL RESOURCES. Transactions]. No. 8, 1962.
Contents: Salov, A. I., and others. [Geology, igneous activity, and development of the Precambrian fold massif in the northeastern part of the Eastern Sayan Mountains] Geologicheskoe stroenie, magmatizm i istoriia razvitiia severovostochnoi chasti Vostochno-Salanskogo dokambriiskogo skladchatogo massiva. 163 p. [MICROFILM]

*OGNEUPORY [REFRACORIES]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po chernoi i tsvetnoi metallurgii [State Committee of the Council of Ministers of the U.S.S.R. for Ferrous and Nonferrous Metallurgy] and others. Moscow, vol. 28, nos. 2-3, 1963.

RAZVEDKA I OKHRANA NEDR [PROSPECTING AND CONSERVATION OF MINERAL RESOURCES]. Organ of Ministerstvo geologii i okhrany nedr SSSR and TsK Profsoiuza rabochikh geologorazvedochnykh rabot [Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R. and the Central Committee of the Trade Union of Workers Employed in Geological Prospecting]. Moscow, vol. 29, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS: MINING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Feb. 1963.

*REFERATIVNYI ZHURNAL: METALLURGIYA [JOURNAL OF ABSTRACTS: METALLURGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Feb. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernnaia metallurgii [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]. Moscow, vol. 6, no. 1, 1963.

SHAKHITNOE STROITEL'STVO [MINE CONSTRUCTION]. Organ of Gosudarstvennyi komitet po (dela stroitel'stva SSSR and Gosudarstvennyi komitet po tselnoi promyshlennosti pri Gosplane SSSR [State Committee for Construction in the U.S.S.R. and the State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 7, no. 1, Jan. 1963.

*STAL' [STEEL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee] and others. Moscow, vol. 23, nos. 1-2, Jan.-Feb. 1963.

*TSVETNYE METALLY [NONFERROUS METALS]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 35, no. 12, Dec. 1962; vol. 36, no. 2, Feb. 1963.

UGOL'NAIA PROMYSHLENNOST' [COAL INDUSTRY]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, no. 8, Nov.-Dec. 1962.

VZRYVNYE RABOTY [BLASTING]. Issued by Proizvodstvenno-eksperimental'noe upravlenie Trezla Solzavzryvrom [Administration for Production Experimentation of the Trust Solzavzryvrom]. Moscow, no. 3, 1966.

*ZAVODSKAI LABORATORIIA [THE FACTORY LABORATORY]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR and Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R., and the State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research]. Moscow, vol. 29, nos. 1, 3, 1963.

17. MILITARY & NAVAL SCIENCES

a. MILITARY SCIENCE

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 3, no. 23, Dec. 1962; vol. 3, no. 2, Jan. 1963.

NASHI VESTI [OUR NEWS]. Published by Soluz chinov Russkogo korpusa [The Association of Members of the Russian Corps]. New York, vol. 18, no. 193(2399), Jan. 1963.

VESTNIK PEROVOPKHODNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravlenie Kaliforniiskogo obshchestva uchastnikov 1-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Kuban Campaign]. Los Angeles, no. 15, Dec. 1962.

b. NAVAL SCIENCE

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSEDOVATELSKII INSTITUT MORSKOGO FLOTA. Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Information Bulletin]. Nos. 60, 66, 1961. Sudovozhenie i svyaz' [Navigation and Communications], nos. 15, 17.

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Transactions]. No. 43, 1962.

MORSKOI FLOT [THE MERCHANT MARINE]. Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.]. Moscow, vol. 23, no. 2, Feb. 1963.

MORSKOI SBORNIK; zhurnal Voenno-Morskogo Flota Soyuza SSR [NAVAL REVIEW; Magazine of the Soviet Navy]. Vol. 46(116), no. 2, Feb. 1963.

RECHNOI TRANSPORT [INLAND WATER TRANSPORTATION]. Issued by Ministerstvo rechnogo flota [Ministry of the River Fleet]. Moscow, vol. 22, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, Feb. 1963. [This journal is also issued in parts.]

SUDOSTROENIE [SHIPBUILDING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po sudostroeniyu and Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Shipbuilding and the Scientific Technological Society of the Shipbuilding Industry]. Leningrad, vol. 28, no. 2(244), Feb. 1963.

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agitator (6)	Agitator [Agitator]	Dop. AN URSS (13a)	Akademiya nauk URSS, Kiev. Dopovidi [Academy of Sciences of the Ukrainian S.S.R. Reports]
Arkhitekt. SSSR (10b)	Arkhitektura SSSR [Architecture of the U.S.S.R.]	Dokl. APN (8a)	Akademiya pedagogicheskikh nauk RSFSR, Moscow. Doklady [Academy of Pedagogical Sciences of the R.S.F.S.R. Reports]
Atom. energ. (16e)	Atomnaya energiya [Atomic Energy]	Ekonom. sel'khoz. (5b)	Ekonomika sel'skogo khozaystva [Economics of Agriculture]
Atom. tekhn. za rub. (16e)	Atomnaya tekhnika za rubezhom [Nuclear Engineering Abroad]	Elek. i tepl. tsiaga (16g)	Elektricheskaya i teplovaya tsiaga [Electric and Diesel Locomotive Traction]
Av. i kosm. (16b)	Aviatsiya i kosmonavtika [Aviation and Astronautics]	Elek. sta. (16e)	Elektricheskie stantsii [Electric Power Stations]
Avi. dor. (16d)	Avtomobil'nye dorogi [Highways]	Elektrichestvo (16e)	Elektrichestvo [Electricity]
Avt. prom. (16g)	Avtomobil'naya promyshlennost' [Automobile Industry]	Elektrosviaz' (16e)	Elektrosviaz' [Telecommunication]
Avt. transp. (16g)	Avtomobil'nyi transport [Automotive Transportation]	Energ. i elektro-tekhn. prom. (16e)	Energetika i elektrotekhnicheskaya promyshlennost' [Power Engineering and the Electric Equipment Industry]
Avtom. i prib. (16e)	Avtomatika i priborostroenie [Automatic Control and Instrument Manufacture]	Energ. stroi. (16e)	Energeticheskoe stroitel'stvo [Power Construction]
Avtom. i telem. (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]	Energokhoz. za rub. (16e)	Energokhoziaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Production and Utilization in Foreign Countries; supplement to the periodical "Electric Power Stations"]
Avtom. i telem.; sbor. st. (16e)	Avtomatika i telemekhanika; sbornik statei [Automatic and Remote Control; Collected Papers]	Etim. issl. po rus. yaz. (11a)	Etimologicheskoe issledovanie po russkomu yazyku [Etymological Research on the Russian Language]
Avtom. kont. i izm. tekhn. (16g)	Avtomaticheskii kontrol' i izmeritel'naya tekhnika [Automatic Control and Measurement Techniques]	Etn. sbor. (12a)	Etnograficheskie sborniki [Ethnographic Papers]
Avtom. svar. (16f)	Akademiya nauk URSS, Kiev. Instytut elektrozvarivaniya. Avtomaticheskaya svarka [Academy of Sciences of the Ukrainian S.S.R. Institute of Electric Welding. Automatic Welding]	Fauna SSSR (13c)	Fauna SSSR [Fauna of the U.S.S.R.]
Avtom., telem. i svyaz' (16e)	Avtomatika, telemekhanika i svyaz' [Automatic Control, Remote Control, and Communications]	Fin. SSSR (5c)	Finansy SSSR [Finance of the U.S.S.R.]
Az. i Afr. seg. (1b)	Azija i Afrika segodnia [Asia and Africa Today]	Fiz. met. i metalloved. (16h)	Fizika metallov i metallovedenie [The Physics of Metals and Metallography]
Azerb. neft. khoz. (16h)	Azerbaidzhauskoe neflianoje khoziaistvo [Azerbaijan Petroleum Industry]	Fiz. v shkole (13f)	Fizika v shkole [Physics in Schools]
Belarus' (1b)	Belarus' [White Russia]	Fiziol. zhur. (13c)	Fiziologicheskii zhurnal SSSR [Physiological Journal of the U.S.S.R.]
Bet. i zhelezobeton (16d)	Beton i zhelezobeton [Concrete and Reinforced Concrete]	Geod. i kart. (13b)	Geodeziya i kartografiya [Geodesy and Cartography]
Bezop. truda v prom. (16a)	Bezopasnost' truda v promyshlennosti [Industrial Safety]	Geol. nefti i gaza (16h)	Geologiya nefti i gaza [The Geology of Petroleum and Gas]
Bibl. Sar. obl. (2a)	Saratov. Universitet. Nauchnaya biblioteka. Bibliografiya Saratovskoi oblasti [University, Research Library, Bibliography of Saratov Province]	Geol. zhur. (12c)	Geologichnyi zhurnal [Geological Journal]
Biol. v shkole (13c)	Biologiya v shkole [Biology in Schools]	Gidr. i mel. (16a)	Gidrotekhnika i melioratsiya [Hydraulic Engineering and Reclamation]
Biul. Glav. bot. sada (13c)	Moscow. Glavnyi botanicheskii sad. Biulleten' [Main Botanical Garden. Bulletin]	Gidr. stroi. (16d)	Gidrotekhnicheskoe stroitel'stvo [Hydrotechnical Construction]
Biul. Ispol. kom. Mosk. gor. sov. (6)	Moscow. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]	Gidroliz. i lesokhim. prom. (16e)	Gidroliznaya i lesokhimicheskaya promyshlennost' [Hydrolysis and Wood Chemistry Industry]
Biul. izobr. (16a)	Biulleten' izobretenii [Bulletin on Inventions]	Gor. khoz. Mosk. (16d)	Gorodskoe khoziaistvo Moskvy [Municipal Economy of Moscow]
Biul. nauch.-tekhn. inform. SZNIISKH (15a)	Leningrad. Severo-Zapadnyi nauchno-issledovatel'skii institut sel'skogo khoziaistva. Biulleten' nauchno-tekhnicheskoi informatsii [Northwestern Scientific Research Institute of Agriculture. Bulletin of Scientific and Technical Information]	Gor. zhur. (16h)	Gornyi zhurnal [Mining Journal]
Biul. sta. opt. nabl. isk. spul. Zem. (13b)	Akademiya nauk SSSR. Astronomicheskii sovet. Biulleten' stantsii opticheskogo nabludeniya iskusstvennykh spulnikov Zemli [Academy of Sciences of the U.S.S.R. Astronomical Council. Bulletin of the Stations for Optical Observation of Artificial Earth Satellites]	Grazhd. av. (16b)	Grazhdanskaya aviatsiya [Civil Aviation]
Biul. stroi. tekhn. (16d)	Biulleten' stroitel'noi tekhniki [Bulletin of Construction Engineering]	Inform. biul. nov. inostr. knig. postup. v Bibl. im. V.I. Len. Ser. 1 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V.I. Lenina. Seriya 1: Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskoe nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological and Geographical Sciences; Technology and Technological Sciences]
Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. (16a)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii. Biulleten' tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute for Scientific and Technical Information. Bulletin of Technical and Economic Information]	Inform. biul. nov. inostr. knig. postup. v Bibl. im. V.I. Len. Ser. 2 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V.I. Lenina. Seriya 2: Biologicheskie, meditsinskie i sel'skokhoziaistvennye nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]
Biul. Verkh. Suda RSFSR (7)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]	Inform. biul. nov. inostr. knig. postup. v Bibl. im. V.I. Len. Ser. 3 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V.I. Lenina. Seriya 3: Obshchestvennye nauki, khudozhestvennaya literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Letters, Arts]
Blot. agit. [Len.] (6)	Bloknot agitatora [The Agitator's Notebook]. For Leningrad City and Province.	Inform. biul. o mal. moloch. (14e)	Rybnoye (Ryazanskaya oblast') Nauchno-issledovatel'skii institut pchelovodstva. Informatsionnyi biulleten' o matochnom molochke [Scientific Research Institute of Apiculture. Information Bulletin on Royal Jelly]
Bum. prom. (16f)	Bumazhnaya promyshlennost' [Paper Industry]	Inform. biul. Sov. antark. eksp. (1a)	Sovetskaya antarkicheskaya ekspeditsiya, 1955-1958. Informatsionnyi biulleten' [Soviet Antarctic Expedition, 1955-1958. Information Bulletin]
Dea. i kred. (5a)	Den'gi i kredit [Money and Credit]		
Dokl. AN SSSR (13a)	Akademiya nauk SSSR. Doklady [Academy of Sciences of the U.S.S.R. Reports]		
Dokl. AN Tadzh. SSR (1a)	Akademiya nauk Tadzhikskoi SSR, Stalinabad. Doklady [Academy of Sciences of the Tajik S.S.R. Reports]		

Inform. biul. VDNKH (16a)	Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR. Informatsionnyi biulleten' [Exhibition of Achievements of the National Economy of the U.S.S.R. Information Bulletin]	Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR (15a)	Armenian S.S.R. Glavnoe upravlenie sel'skokhoziaistvennykh nauk i podgotovki kadrov. Izvestiia. Sel'skokhoziaistvennye nauki [Main Administration of Agricultural Sciences and Staff Training. Bulletin. Agricultural Sciences]
Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu (12b)	Moscow. Universitet. Geograficheskii fakul'tet. Informatsionnyi sbornik o rabotakh po Mezhdunarodnomu geofizicheskomu godu [University. Geographical Faculty. Information Bulletin on the Work for the International Geophysical Year]	Izv. vys. ucheb. zav.; chern. met. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernala metallurgii [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
Inform. sbor. TSNIMF. Sudovozh. i sviaz' (17b)	Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Sudovozhdenie i sviaz' [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Navigation and Communications]	Izv. vys. ucheb. zav.; energ. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spisokov i kartotek, sostavlenykh bibliotekami Sovetskogo Soiuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]	Izv. vys. ucheb. zav.; geod. i aerof. (13b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; geodeziia i aerofotostroienie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]	Izv. vys. ucheb. zav.; los. zhur. (15c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; lesnoi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Forestry Journal]
Introd. i akklim. rast. (13c)	Akademiia nauk Uzbekskoi SSR, Tashkent. Botanicheskii sad. Introduktsiia i akklimatizatsiia rastenii [Academy of Sciences of the Uzbek S.S.R. Botanical Garden. Introduction and Acclimatization of Plants]	Izv. vys. ucheb. zav.; mashinostr. (16g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; mashinostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Machine Building]
Inzh. -fiz. zhur. (16a)	Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]	Izv. vys. ucheb. zav.; prib. (15g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; priborostroenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Instrument Manufacture]
Isk. kino (8a)	Ikusstvo kino [Cinema Art]	Izv. vys. ucheb. zav.; radiofiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Physics]
Ikusstvo (10a)	Ikusstvo [Art]	Izv. vys. ucheb. zav.; tekhn. tekst. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiya tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]
Issl. i mat. inst. po izuch. SSSR (4a)	Institut zur Erforschung der UdSSR. Issledovaniia i materialy [Institute for the Study of the U.S.S.R. Investigations and Materials]	Kal. znam. i pam. dat (4a)	Kalendar' znamenatel'nykh i pamiatnykh dat [Calendar of Significant and Memorable Dates]
Ist. arkh. (4a)	Istoricheskii arkhiv [Historical Archives]	Kauch. i rez. (16c)	Kauchuk i rezina [Crude and Vulcanized Rubber]
Izm. tekhn. (16a)	Izmeritel'naya tekhnika [Measurement Techniques]	Khim.; sist. uk. st. v inostr. zhur. (13d)	Moscow. Vsesoiuznnaia gosudarstvennaia biblioteka inostrannoi literatury. Khimii; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature. Chemistry; Classified Index of Articles in Foreign Periodicals]
Izv. AN Arm. SSR. Biol. nauki (13c)	Akademiia nauk Armiianskoi SSR, Erivan. Izvestiia. Biologicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Biological Sciences]	Khim. i tekhn. polim. (16c)	Khimiia i tekhnologiya polimerov; sbornik perevodov iz inostrannoi periodicheskoi literatury [The Chemistry and Technology of Polymers; Translations From Foreign Periodical Literature]
Izv. AN Arm. SSR. Geol. i geog. nauki (12c)	Akademiia nauk Armiianskoi SSR, Erivan. Izvestiia. Geologicheskie i geograficheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Geological and Geographical Sciences]	Khim. i tekhn. topl. i masol (16c)	Khimiia i tekhnologiya topliv i masel [Chemistry and Technology of Fuel and Oil]
Izv. AN Arm. SSR. Khim. nauki (13d)	Akademiia nauk Armiianskoi SSR, Erivan. Izvestiia. Khimicheskie nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Chemical Sciences]	Khim. prom. (16c)	Khimicheskaya promyshlennost' [Chemical Industries]
Izv. AN Arm. SSR. Obshchestv. nauki (1a)	Akademiia nauk Armiianskoi SSR, Erivan. Izvestiia. Obshchestvennye nauki [Academy of Sciences of the Armenian S.S.R. Bulletin. Social Sciences]	Khim. volok. (16c)	Khimicheskoe volokna [Synthetic Fibers]
Izv. AN Arm. SSR. Ser. tekhn. nauk (16a)	Akademiia nauk Armiianskoi SSR, Erivan. Izvestiia. Seriya tekhnicheskikh nauk [Academy of Sciences of the Armenian S.S.R. Bulletin. Series in the Technological Sciences]	Khlebl. i kond. prom. (16f)	Khlebopekarnaya i konditorskaya promyshlennost' [Baking and Confectionery Industry]
Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekhn. nauk (1a)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Physical, Mathematical, and Technological Sciences]	Klin. khir. (14h)	Klinicheskaya khirurgiia [Clinical Surgery]
Izv. AN Azerb. SSR. Ser. geol. -geog. nauk i nofti (12c)	Akademiia nauk Azerbaidzhanskoi SSR, Baku. Izvestiia. Seriya geologo-geograficheskikh nauk i nofti [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Geological and Geographical Sciences and Petroleum]	Klub (6e)	Klub [The Club]
Izv. AN Kazakh. SSR. Ser. filol. i isk. (11a)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriya filologii i ikusstvovedeniia [Academy of Sciences of the Kazakh S.S.R. Bulletin. Series on Philology and Art]	Knizh. lot. (2a)	Knizhnaya lotopis' [Book Chronicle]
Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. (18h)	Akademiia nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriya metallurgii, obogashcheniia i ogneporov [Academy of Sciences of the Kazakh S.S.R. Bulletin. Series in Metallurgy, Ore Dressing, and Refractories]	Koks i khim. (16c)	Koks i khimiia [Coke and Chemistry]
Izv. AN Kir. SSR. Ser. obshchestv. nauk (1a)	Akademiia nauk Kirgizskoi SSR, Frunze. Izvestiia. Seriya obshchestvennykh nauk [Academy of Sciences of the Kirgiz S.S.R. Bulletin. Series in the Social Sciences]	Komar. chten. (13c)	Komarovskie chteniia [Komarov Lectures]
Izv. AN Mold. SSR (1a)	Akademiia nauk Moldavskoi SSR. Izvestiia [Academy of Sciences of the Moldavian S.S.R. Bulletin]	Komm. Bel. (6)	Kommunist Belorussii [Communist of White Russia]
Izv. AN SSSR. Old. tekhn. nauk. Mekh. i mashinostr. (16g)	Akademiia nauk SSSR. Izvestiia. Otdelenie tekhnicheskikh nauk. Mekhanika i mashinoostroenie [Academy of Sciences of the U.S.S.R. Bulletin. Department of Technological Sciences. Mechanics and Machine Building]	Komm. Mold. (6)	Kommunist Moldavii [Communist of Moldavia]
Izv. AN SSSR. Ser. fiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriya fizicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Physical Series]	Komm. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]
Izv. AN SSSR. Ser. geofiz. (13f)	Akademiia nauk SSSR. Izvestiia. Seriya geofizicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geophysical Series]	Komm. Uz. (6)	Kommunist Uzbekistana [Communist of Uzbekistan]
Izv. AN SSSR. Ser. geog. (12b)	Akademiia nauk SSSR. Izvestiia. Seriya geograficheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geographical Series]	Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Izv. AN SSSR. Ser. geol. (12c)	Akademiia nauk SSSR. Izvestiia. Seriya geologicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geological Series]	Kommunist (6)	Kommunist [Communist]
Izv. AN SSSR. Ser. mat. (13e)	Akademiia nauk SSSR. Izvestiia. Seriya matematicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Mathematical Series]	Komsom. zhizn' (5e)	Komsomol'skaya zhizn' [Life of Communist Youth]
Izv. AN Uz. SSR. Ser. fiz. -mat. nauk (13f)	Akademiia nauk Uzbekskoi SSR, Tashkent. Izvestiia. Seriya fiziko-matematicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in Physical and Mathematical Sciences]	Kons. i ov. prom. (16c)	Konservnaya i ovoshchesushil'naya promyshlennost' [The Canning and Dehydrated Vegetable Industry]
		Konstr. krup. mash. (16g)	Konstruirovaniye krupnykh mashin [Design of Heavy Machinery]
		Koop. Kazakh. (5a)	Kooperator Kazakhstana [The Cooperative Worker of Kazakhstan]
		Kozh. -obuv. prom. (16f)	Kozhevenno-obuvnaya promyshlennost' [Leather and Footwear Industry]
		Kryl. rod. (16b)	Kryl'ia rodiny [Wings of the Motherland]
		Kul't.-pros. rab. (8a)	Kul'turno-prosvetitel'naya rabota [Cultural and Educational Work]
		Kuz. -shtam. proizv. (16g)	Kuznechno-shtampovoechnoe proizvodstvo [Forging and Stamping]

- | | | | |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lakokraskas. mat. i
ikh prim. (16c) | Lakokraskashe materialy i ikh primenenie [Lacquer and
Paint Materials and Their Use] | Nauch. soob.
TSNIISK (16d) | Akademika stroitel'stva i arkhitektury SSSR, Institut
stroitel'nykh konstruktov. Nauchnoe soobshchenie
[Academy of Construction and Architecture of the
U.S.S.R. Institute of Construction Design. Scientific
Report] |
| Leh. prom. (16f) | Lehka promyslovosti' [Light Industry] | Nauch. trudy
Cheiv. Mosk.
gor. klin. bol'.
(14a) | Moscow. Gorodskaya klinicheskaya bol'nitsa No. 4.
Nauchnye trudy [City Clinical Hospital No. 4. Studies] |
| Les. khoz. (15c) | Lesnoe khozaistvo [Forestry] | Nauch. trudy
LTA (18f) | Leningrad. Lesotekhnicheskaya akademiya. Nauchnye
trudy [Academy of Wood Technology. Studies] |
| Let. gazet. st.
(2a) | Letopis' gazetykh statei [Chronicle of Newspaper Articles] | Nauch. trudy Sev.
zap. nauch. -
issl. inst. sel'-
khoz. (15a) | Leningrad. Severo-zapadnyi nauchno-issledovatel'skii Institut
sel'skogo khozaistva. Nauchnye trudy [Northwestern
Scientific Research Institute of Agriculture. Studies] |
| Let. zhur. st.
(2a) | Letopis' zhurnal'nykh statei [Chronicle of Periodical
Articles] | Nauch. trudy uch.
i prak. vrach.
Uzb. (14a) | Nauchnye trudy uchenykh i prakticheskikh vrachov Uzbekistana
[Studies by Medical Scientists and Practitioners of Uzbek-
istan] |
| Lit. i isk. nar. SSSR
i zarub. stran
(11b) | Literatura i iskusstvo narodov SSSR i zarubezhnykh stran
[Literature and Art of the Peoples of the U.S.S.R. and
Foreign Countries] | Nauch. trudy Ukr.
nauch. -issl.
inst. fiziol. rast.
(13c) | Ukrainskii nauchno-issledovatel'skii Institut fiziologii
rastenii. Nauchnye trudy [Ukrainian Scientific Research
Institute of Plant Physiology. Studies] |
| Lit. po les. i bum.
prom. (16f) | Literatura po lesnoi i bumazhnoi promyshlennosti [Litera-
ture on Forest and Paper Industries] | Nauch. trudy
UzNIIME (15a) | Uzbezkaya akademiya sel'skokhoziaistvennykh nauk. Nauchno-
issledovatel'skii Institut mekhanizatsii i elektrifikatsii
droschaomogo zemledeliya. Nauchnye trudy [Uzbek Academy
of Agricultural Sciences. Scientific Research Institute of
the Mechanization and Electrification of Irrigation Farm-
ing. Studies] |
| Lit. proizv. (16h) | Litainoe proizvodstvo [Foundry Practice] | Nauk. zap. UzhGU
(1a) | Uzhgorod. Universitet. Naukovy zapysky [Universitet.
Studies]. In Ukrainian. |
| Mash. perev. i
prikl. ling.
(11a) | Moscow. Moskovskii gosudarstvennyi pedagogicheskii
Institut inostrannykh iazykov. Mashinnyi perevod i
prikladnaya lingvistika [Moscow State Pedagogical
Institute of Foreign Languages. Machine Translation
and Applied Linguistics] | Nauka i rel.
(3b) | Nauka i religiya [Science and Religion] |
| Mashinostroenie
(18g) | Mashinostroenie [Machinery Manufacture] | Neftekhimiya
(16c) | Neftekhimiya [Petrochemistry] |
| Mashinostroitel'
(16g) | Mashinostroitel' [Machine Builder] | Nov. i novyish. ist.
(4a) | Novaya i novyishaya istoriya [Modern and Recent History] |
| Masl. -zhir. prom.
(16c) | Masloboino-zhirovaya promyshlennost' [Oils and Fats
Industry] | Nov. inostr. ekon.
lit. (5b) | Novaya inostrannaya ekonomicheskaya literatura [New
Foreign Economic Literature] |
| Mat. i issl. po
arkheol. SSSR
(4b) | Materialy i issledovaniya po arkheologii SSSR [Materials
and Research in the Archaeology of the U.S.S.R.] | Nov. inostr. knigi,
postup. v sist.
Bibli. AN SSSR
(2a) | Akademika nauk SSSR. Biblioteka. Novye inostrannye knigi,
postupivshie v sistemu biblioteki [Academy of Sciences
of the U.S.S.R. Library. New Foreign Books Received
by the Library System] |
| Mat. kul't. Azerb.
(4b) | Material'naya kul'tura Azerbaidzhana [Material Culture
of Azerbaijan] | Nov. inostr. lit.
po filos. (3a) | Novaya inostrannaya literatura po filosofii [New Foreign
Literature on Philosophy] |
| Mat. po geol. i pol.
iskop. Urala (12c) | Materialy po geologii i poleznym iskopaemyim Urala
[Materials on the Geology and Mineral Resources of
the Urala] | Nov. inostr. lit.
po iaz. (11a) | Novaya inostrannaya literatura po iazykoznaniiu [New
Foreign Literature on Linguistics] |
| Mat. po geol. TSentr.
Kazakh. (12c) | Materialy po geologii TSentral'nogo Kazakhstana
[Materials on the Geology of Central Kazakhstan] | Nov. inostr. lit. po
ist., arkheol. i
etn. (4a) | Novaya inostrannaya literatura po istorii, arkheologii i etno-
grafii [New Foreign Literature on History, Archaeology,
and Ethnography] |
| Mat. sbor. (13a) | Matematicheskii sbornik [Mathematical Review] | Nov. knigi (2a) | Novye knigi [New Books] |
| Med. ref. zhur.
(14a) | Meditsinskii referativnyi zhurnal [Medical Abstracts] | Nov. knigi za rub.
Ser. A (13a) | Novye knigi za rubezhom. Seriya A. Matematika, mekhanika,
astronomiya, fizika, geofizika, khimiya, geologiya [New
Foreign Books. Series A: Mathematics, Mechanics,
Astronomy, Physics, Geophysics, Chemistry, Geology] |
| Mekh. i avtom.
proizv. (16g) | Mekhanizatsiya i avtomatizatsiya proizvodstva [Mechaniza-
tion and Automation of Production] | Nov. knigi za rub.
Ser. B (16a) | Novye knigi za rubezhom. Seriya B: Tekhnika [New Foreign
Books. Series B: Technology] |
| Mekh. sil'. hosp.
(16a) | Mekhanizatsiya sil'skogo khozaistva [Mechanization
of Agriculture] | Nov. knigi za
rub. Ser. V
(2a) | Novye knigi za rubezhom. Seriya V: Biologiya,
meditsina, sel'skoe khozaistvo [New Foreign
Books. Series V: Biology, Medicine, Agriculture] |
| Mest. prom. i
khud. promys.
(16f) | Mestnaya promyshlennost' i khudozhestvennye promysly
[Local Industry and Art Trades] | Nov. knigi za
rub. po
obshchestv.
naukam i ekon.,
filos., ist.,
mezhdunar. otn.
(2a) | Novye knigi za rubezhom po obshchestvennym naukam;
ekonomika, filosofiya, istoriya, mezhdunarodnye
otnosheniya [New Foreign Books on the Social
Sciences; Economics, Philosophy, History, Inter-
national Relations] |
| Metalloved. i
term. obr. met.
(16h) | Metallovedenie i termicheskaya obrabotka metallov
[Metals and Heat Treatment of Metals] | Nov. lit. o nauke i
nauch. -issl. rab.
za rub. (2a) | Novaya literatura o nauke i nauchno-issledovatel'skoi rabote
za rubezhom [New Literature on Science and Research
Abroad] |
| Metallurg (16h) | Metallurg [Metallurgist] | Nov. lit. po
Chekh. (2a) | Novaya literatura po Chekhoslovaki [New Literature on
Czechoslovakia] |
| Meteor. i gidrol.
(13f) | Meteorologiya i gidrologiya [Meteorology and Hydrology] | Nov. lit. po Ger.
Dem. Resp.
(2a) | Novaya literatura po Germanской Demokraticheskoi
Respublike [New Literature on the German Democratic
Republic] |
| Migr. zhiv. (13c) | Migratsii zhivotnykh [Migration of Animals] | Nov. lit. po Rum.
(2a) | Novaya literatura po Rumynii [New Literature on Rumania] |
| Mir. ekon. i
mezhdunar. otn.
(5b) | Mirovaya ekonomika i mezhdunarodnye otnosheniya
[World Economics and International Relations] | Nov. sov. ekon. lit.
(5b) | Novaya sovetskaya ekonomicheskaya literatura [New
Soviet Economic Literature] |
| Mod. sezona
(16f) | Modell sezon [Season's Fashions] | Nov. sov. i inostr.
lit. po stran.
zarub. Vost. (2a) | Novaya sovetskaya i inostrannaya literatura po stranam
zarubezhnogo Vostoka [New Soviet and Foreign Literature
on the Countries of the Non-Soviet East] |
| Mol. komm. (6) | Molodoi kommunist [The Young Communist] | Nov. sov. i inostr.
lit. po vop. rel. i
ateiz. (3b) | Novaya sovetskaya i inostrannaya literatura po voprosam
religii i ateizma [New Soviet and Foreign Literature on
the Problems of Religion and Atheism] |
| Mont. i spets. rab.
v stroi. (16d) | Montazhnye i spetsializirovannye raboty v stroitel'stve
[Assembling and Specialized Operations in Construction] | Nov. sov. lit. o
nauke i nauch. -
issl. rab. v
SSSR (2a) | Novaya sovetskaya literatura o nauke i nauchno-issledovatel'skoi
rabote v SSSR [New Soviet Literature on
Science and General Research in the U.S.S.R.] |
| Mor. flot (17b) | Morskoi flot [The Merchant Marine] | Nov. sov. lit. po
filos. (3a) | Novaya sovetskaya literatura po filosofii [New Soviet
Literature on Philosophy] |
| Morskoi sbornik; zhurnal Voenno-Morskogo Flota SSSR
(Naval Review; Magazine of the Soviet Navy) | Morskoi sbornik; zhurnal Voenno-Morskogo Flota SSSR | Nov. sov. lit. po
iaz. (11a) | Novaya sovetskaya literatura po iazykoznaniiu [New Soviet
Literature on Linguistics] |
| Mukomol'no-elevatornaya promyshlennost' [Flour Milling
and Grain Storage] | Mukomol'no-elevatornaya promyshlennost' [Flour Milling
and Grain Storage] | Nov. sov. lit. po
ist., arkheol.
i etn. (4a) | Novaya sovetskaya literatura po istorii, arkheologii i etno-
grafii [New Soviet Literature on History, Archaeology,
and Ethnography] |
| Mystetstvo (10a) | Mystetstvo [Art] | Nov. tov. (5a) | Novye tovary; informatsionnyi bulletin [New Consumer
Goods; Information Bulletin] |
| Na stroi. Ros.
(16d) | Na stroikakh Rossi [At Russian Construction Projects] | | |
| Nach. shkola
(8a) | Nachal'naya shkola [Primary School] | | |
| Nar. Az. i Afr.
(4a) | Narody Azii i Afriki; istoriya, ekonomika, kul'tura [Peoples
of Asia and Africa; History, Economics, Culture] | | |
| Nar. khoz. Kazakh.
(5b) | Narodnoe khozaistvo Kazakhstana [The National Economy
of Kazakhstan] | | |
| Nar. khoz. Uzb.
(5b) | Narodnoe khozaistvo Uzbekistana [The National Economy
of Uzbekistan] | | |
| Nar. obr. (8a) | | | |

Nov. vrem. (6) Novoe vremia [New Times]
 Obobshch. funk. (13e) Obobshchennye funktsii [Generalized Functions]
 Obshchestv. nauki v Uz. (1a) Obshchestvennye nauki v Uzbekistane [Social Sciences in Uzbekistan]
 Ogneupory (16h) Ogneupory [Refractories]
 Ogonek (1b) Ogonek [The Little Light]
 Okhr. truda i sots. strakh. (5d) Okhrana truda i sotsial'noe strakhovanie [Protection of Labor and Social Insurance]
 Opr. po faune (13c) Opredeliteli po faune SSSR [Guides to the Fauna of the U.S.S.R.]
 Opyt zarub. stroi. (16d) Akademii stroitel'stva i arkhitektury SSSR. Tsentral'nyi institut nauchnoi informatsii po stroitel'stvu i arkhitekture. Opyt zarubezhnogo stroitel'stva [Academy of Construction and Architecture of the U.S.S.R. Central Institute of Scientific Information on Construction and Architecture. Construction Practice Abroad]
 Ornitologiya (13c) Ornitologiya [Ornithology]
 Osn., fund. i mekh. grun. (16d) Osnovaniia, fundamenti i mekhanika gruntov [Foundations and Soil Mechanics]
 Otv. na vop. trud. (1b) Otvety na voprosy truditschikh [Replies to Workers' Questions]
 PMTF (16a) PMTF: zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF; Journal of Applied Mechanics and Technical Physics]
 Palest. sbor. (4a) Palestinskii sbornik [Palestine Review]
 Part. zhizn' (6) Partinaiia zhizn' [Party Life]
 Part. zhizn' Kazakh. (6) Partinaiia zhizn' Kazakhstana [Party Life in Kazakhstan]
 Part. zhizn' [Uzb.] (6) Partinaiia zhizn' [Party Life]. Uzbekistan.
 Plan. khoz. (5b) Planovoe khoziaistvo [Planned Economy]
 Plast. massy (16c) Plasticheskie massy [Plastics]
 Po rad. Ukr. (1b) Ukrain's'ke tovarystvo druzhby i kul'turnoho zv'iazku z zarubizhnymi kraiinamy. Po radiatsii Ukraini; foto-khronika [Ukrainian Society for Friendship and Cultural Relations with Foreign Countries. Through Soviet Ukraine; Photo Report]
 Pochyovovedenie (16a) Pochyovovedenie [Soil Science]
 Poch. poch. rus. rav. (16a) Polimennye pochvy russkoi ravniny [Floodland Soils of the East European Plain]
 Pol. iskop. (16h) Akademii nauk Armianskoi SSR, Eriyan. Poleznye iskopaemye [Academy of Sciences of the Armenian S.S.R. Mineral Resources]
 Poligr. proizv. (2c) Poligraficheskoe proizvodstvo [Printing Industry]
 Polit. samoobr. (6) Politicheskoe samooobrazovanie [Political Self-Education]
 Praks. sudobnopsikh. ekspert. (14c) Praktika sudobnopsikhiatricheskoi ekspertizy [Practice of Forensic Psychiatry Expertise]
 Prats. inst. dosl. Vol. (4a) Vinnipog. Ukrainian Research Institute of Volyn. Proceed-ings
 Prep. ist. v shkole (4a) Propodavanie istorii v shkole [Teaching History in Schools]
 Priborostroenie (16g) Priborostroenie [Instrument Manufacture]
 Priroda (13a) Priroda [Nature]
 Probl. Arkt. i Antarkt. (12b) Problemy Arktiki i Antarktika [Problems of the Arctic and the Antarctic]
 Probl. sovr. neirokhir. (14h) Problemy sovremennoi neirokhirurgii [Problems of Contemporary Neurosurgery]
 Prof. -tekh. obr. (16a) Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
 Prom. Arm. (16a) Promyshlennost' Armenii [Industry of Armenia]
 Prom. energ. (16e) Promyshlennaya energetika [Industrial Power]
 Put' i put. khoz. (16d) Put' i putovoe khoziaistvo [Railroad Tracks and Roadway Maintenance]
 Rab. i slal. (5d) Rabotnitsa i slalanka [The Woman Worker and the Peasant Woman]
 Rabotnitsa (5d) Rabotnitsa [The Woman Worker]
 Rad. pravo (7) Radiatsionnoe pravo [Soviet Law]
 Radio (16e) Radio [Radio]
 Radiobiologiya (13c) Radiobiologiya [Radiobiology]
 Radiokhimiia (13d) Radiokhimiia [Radiochemistry]
 Radiotekh. i elektron. (16e) Radiotekhnika i elektronika [Radio Engineering and Electronics]
 Radiotekhnika (16e) Radiotekhnika [Radio Engineering]
 Raspr. poch. (2c) Rasprostraneniye pochty [Distribution of Publications]
 Rast. Krain. Sev. SSSR i ee osv. (13c) Rastitel'nost' Krainego Severa SSSR i ee osvoiniye [Vegetation of the Far North of the U.S.S.R. and its Utilization]
 Razved. i okhr. nedr (16h) Razvedka i okhrana nedr [Prospecting and Conservation of Mineral Resources]

Rech. transp. (17b) Rechenoi transport [Inland Water Transportation]
 Ref. sbor.: Ekon. prom. (5b) Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry]
 Ref. zhur.: Astron. (13b) Referativnyi zhurnal: Astronomiya [Journal of Abstracts: Astronomy (Separate Issue 51)]
 Ref. zhur.: Av. i raket. dvig. (16b) Referativnyi zhurnal: Aviatstomyye i raketnyye dvigateli [Journal of Abstracts: Aircraft and Rocket Engines (Separate Issue 34)]
 Ref. zhur.: Avt. dor. (16d) Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]
 Ref. zhur.: Avt. i gor. transp. (16g) Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]
 Ref. zhur.: Avtom., telem. i vych. tekhn. (16e) Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naya tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]
 Ref. zhur.: Biol. (13c) Referativnyi zhurnal: Biologiya [Journal of Abstracts: Biology]
 Ref. zhur.: Biol. khim. (13c) Referativnyi zhurnal: Biologicheskaya khimiia [Journal of Abstracts: Biochemistry (Separate Issue 30f)]
 Ref. zhur.: Dvig. vnutr. sgor. (16g) Referativnyi zhurnal: Dvigateli vnutrennego sgoraniia [Journal of Abstracts: Internal-Combustion Engines (Separate Issue 39)]
 Ref. zhur.: Elek. i ee prim. (16e) Referativnyi zhurnal: Elektronika i ee primeneniia [Journal of Abstracts: Electronics and its Applications]
 Ref. zhur.: Elek-trotekh. i energ. (16e) Referativnyi zhurnal: Elektrotekhnika i energetika [Journal of Abstracts: Electrical Engineering and Electric Power]
 Ref. zhur.: Farm. Toks. (14f) Referativnyi zhurnal: Farmakologiya, Toksikologiya [Journal of Abstracts: Pharmacology, Toxicology (Separate Issue 54)]
 Ref. zhur.: Fiz. (13f) Referativnyi zhurnal: Fizika [Journal of Abstracts: Physics]
 Ref. zhur.: Fotokinetekh. (16g) Referativnyi zhurnal: Fotokinetekhnika [Journal of Abstracts: Photographic and Motion-Picture Equipment (Separate Issue 40)]
 Ref. zhur.: Geod. (13b) Referativnyi zhurnal: Geodeziia [Journal of Abstracts: Geodesy (Separate Issue 52)]
 Ref. zhur.: Geofiz. (13f) Referativnyi zhurnal: Geofizika [Journal of Abstracts: Geophysics]
 Ref. zhur.: Geog. (12b) Referativnyi zhurnal: Geografiia [Journal of Abstracts: Geography]
 Ref. zhur.: Geol. (12c) Referativnyi zhurnal: Geologiya [Journal of Abstracts: Geology]
 Ref. zhur.: Gor. delo (16h) Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining]
 Ref. zhur.: Gor., stroi. i dor. mashinost. (16g) Referativnyi zhurnal: Gornoe, stroitel'noe i dorozhnoe mashinostroenie [Journal of Abstracts: Manufacture of Mining Machinery, Construction Equipment, and Road Machinery (Separate Issue 43)]
 Ref. zhur.: IAd. reak. (16a) Referativnyi zhurnal: IAdernyye reaktory [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]
 Ref. zhur.: Khim. i khol. mashinost. (16c) Referativnyi zhurnal: Khimicheskoe i kholodil'noe mashinostroenie [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
 Ref. zhur.: Kom-mun., byt. i torg. obor. (16g) Referativnyi zhurnal: Kommunal'noe, bytovoe i torgovoe oborudovanie [Journal of Abstracts: Communal, Household, and Commercial Equipment (Separate Issue 33)]
 Ref. zhur.: Kotel'st. (16g) Referativnyi zhurnal: Kotlostroenie [Journal of Abstracts: Boiler Manufacture (Separate Issue 42)]
 Ref. zhur.: Leg. prom. (16f) Referativnyi zhurnal: Legkaya promyshlennost' [Journal of Abstracts: Light Industry]
 Ref. zhur.: Lesoved. i lesovod. (16c) Referativnyi zhurnal: Lesovedeniye i lesovodstvo [Journal of Abstracts: Forestry and Forest Management (Separate Issue 50)]
 Ref. zhur.: Mashinostroi. mat., konstr. i rasch. det. mash. (16g) Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktii i raschet detalei mashin [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
 Ref. zhur.: Mat. (13e) Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]
 Ref. zhur.: Med. geog. (14a) Referativnyi zhurnal: Meditsinskaya geografiia [Journal of Abstracts: Medical Geography (Separate Issue 36)]
 Ref. zhur.: Mekh. (13f) Referativnyi zhurnal: Mekhanika [Journal of Abstracts: Mechanics]
 Ref. zhur.: Mpt. (16h) Referativnyi zhurnal: Metallurgiya [Journal of Abstracts: Metallurgy]
 Ref. zhur.: Metr. i izm. tekhn. (16a) Referativnyi zhurnal: Metrologiya i izmeritel'naya tekhnika [Journal of Abstracts: Mensuration and Measurement Techniques (Separate Issue 32)]
 Ref. zhur.: Nauch. i tekhn. inform. (16a) Referativnyi zhurnal: Nauchnaya i tekhnicheskaya informatsiia [Journal of Abstracts: Scientific and Technical Information (Separate Issue 59)]

Ref. zhur.: Ob. vop. pat. Onk. (14e)	† Referativnyi zhurnal: Obshchie voprosy patologii. Onkologiya (Oldel'nyi vypusk 53) [Journal of Abstracts: General Problems of Pathology. Oncology (Separate Issue 53)]	Sbor. trud. LII ZHIT' (16d)	Leningrad. Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov [Institute of Railroad Transportation Engineers. Papers]
Ref. zhur.: Pishch. mashinost. (16g)	† Referativnyi zhurnal: Pishchevye mashinostroyeniye (Oldel'nyi vypusk 38) [Journal of Abstracts: Food Machinery Manufacture (Separate Issue 38)]	Sbor. trud. MISI (16d)	Moscow. Inzhenerno-stroitel'nyi institut. Sbornik trudov [Civil Engineering Institute. Collected Papers]
Ref. zhur.: Pochv. (15a)	† Referativnyi zhurnal: Pochvovedeniye (Oldel'nyi vypusk 57) [Journal of Abstracts: Soil Science (Separate Issue 57)]	Sbor. trud. Novo- russkoprotsse- menta (16d)	Novorossiysk. Gosudarstvennyi proektnyi institut tsementnoi promyshlennosti. Sbornik trudov [State Design Institute of the Cement Industry. Papers]
Ref. zhur.: Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyy transport [Journal of Abstracts: Industrial Transportation]	Sel'. khoz. za rub.: Rast. (15d)	Sel'skoye khoz. za rubezhom: Rastenievodstvo [Agricul- ture Abroad: Plant Culture]
Ref. zhur.: Radiotekh. i elektrovizyaz'	† Referativnyi zhurnal: Radiotekhnika i elektrovizyaz' [Journal of Abstracts: Radio Engineering and Telecommunication]	Sel'. khoz. za rub.: Zhivotnovodstvo (15b)	Sel'skoye khoz. za rubezhom: Zhivotnovodstvo [Agricul- ture Abroad: Animal Husbandry]
Ref. zhur.: Raketostr. (16b)	Referativnyi zhurnal: Raketostryeniye (Oldel'nyi vypusk 41) [Journal of Abstracts: Rocket Building (Separate Issue 41)]	Sel'. stroit. (16d)	Sel'skoye stroitel'stvo [Rural Construction]
Ref. zhur.: Rast. (15d)	† Referativnyi zhurnal: Rastenievodstvo (Oldel'nyi vypusk 56) [Journal of Abstracts: Plant Culture (Separate Issue 55)]	Sel'khoz. lit. SSSR (15a)	Sel'skokhoziaistvennaya literatura SSSR [Agricultural Literature of the U.S.S.R.]
Ref. zhur.: Tekh. i obor. buma- godel. i poligr. proizv. (16g)	Referativnyi zhurnal: Tekhnologiya i oborudovaniye bumagodelat'nogo i poligraficheskogo proizvodstva (Oldel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Papermaking and Printing Industry (Separate Issue 37)]	Shakht. stroit. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]
Ref. zhur.: Tekh. mashinost. (16g)	† Referativnyi zhurnal: Tekhnologiya mashinostroyeniya [Journal of Abstracts: Technology of Machinery Manufacture]	Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Production]
Ref. zhur.: Teploenerg. (16g)	† Referativnyi zhurnal: Teploenergetika [Journal of Abstracts: Heat Engineering]	Shkola-int. (8a)	Shkola-internat [Boarding School]
Ref. zhur.: Toch. mekh., opt. i isp. app. (16g)	Referativnyi zhurnal: Tochnaya mekhanika, optika i ispytatel'naya apparatura (Oldel'nyi vypusk 40) [Journal of Abstracts: Precision Mechanics, Optics, and Testing Apparatus (Separate Issue 40)]	Sib. geog. sbor. (12b)	† Sibirskii geograficheskii sbornik [Siberian Geographical Papers]
Ref. zhur.: Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal: Traktory i sel'skokhoziaistvennyye mashiny i oruditiya (Oldel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Separate Issue 44)]	Sib. mat. zhur. (13e)	Sibirskii matematicheskii zhurnal [Siberian Mathematical Journal]
Ref. zhur.: Trub. transp. (16g)	Referativnyi zhurnal: Truboprovodnyy transport (Oldel'nyi vypusk 45) [Journal of Abstracts: Pipeline Transportation (Separate Issue 45)]	Sil'. bud. (16d)	Sil'skoye budivnytstvo [Rural Construction]
Ref. zhur.: Turbostr. (16g)	† Referativnyi zhurnal: Turbostryeniye (Oldel'nyi vypusk 49) [Journal of Abstracts: Turbine Manufacture (Separate Issue 49)]	Soob. VTSNILKR (10a)	Moscow. Vsesoyuznaya tsentral'naya nauchno-issledovatel'- skaya laboratoriya po konservatsii i restavratsii muzeynykh khudozhestvennykh tsennostey. Soobshcheniya [All-Union Central Scientific Research Laboratory on the Conservation and Restoration of Museum Art Treasures. Reports]
Ref. zhur.: Vod. transp. (17b)	Referativnyi zhurnal: Vodnyy transport [Journal of Ab- stracts: Water Transportation]	Sots. kul't. (1b)	Sotsialisticheskaya kul'tura [Socialist Culture]
Ref. zhur.: Vop. tekh. prog. i org. proizv. v mashinost. (16g)	† Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroyeniye (Oldel'nyi vypusk 36) [Journal of Abstracts: Problems of Tech- nological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]	Sots. spos. proizv. (5b)	Sotsialisticheskiy sposob proizvodstva [Socialist Method of Production]
Ref. zhur.: Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyy transport [Journal of Abstracts: Air Transportation]	Sots. trud. (5d)	Sotsialisticheskiy trud [Socialist Labor]
Ref. zhur.: Vzaimodels. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal: Vzaimodelstviye raznykh vidov trans- porta i konteynernyye perevozki (Oldel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]	Sov. arkheol. (4b)	Sovetskaya arkheologiya [Soviet Archaeology]
Ref. zhur.: Zhel. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyy transport [Journal of Abstracts: Railroad Transportation]	Sov. arkhitekt. (10b)	Sovetskaya arkhitektura [Soviet Architecture]
Ref. zhur.: Zhiv. Vet. (15b)	† Referativnyi zhurnal: Zhivotnovodstvo. Veterinariya (Oldel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry. Veterinary Medicine (Separate Issue 58)]	Sov. deput. trud. (6)	Sovety deputatov trudnyashchikhsia [Soviets of Workers' Deputies]
Rez. naib. soy. isk. sput. Zem. (13b)	Akademiya nauk SSSR. Institut teoreticheskoy astronomii. Rezultaty nabludeniya sovetskikh isskustvennykh sputnikov Zemli [Academy of Sciences of the U.S.S.R., Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]	Sov. geol. (12c)	Sovetskaya geologiya [Soviet Geology]
Rus. fol'k. (11b)	Russkii fol'klor; materialy i issledovaniya [Russian Folklore; Materials and Studies]	Sov. iust. (7)	Sovetskaya iustitsiya [Soviet Justice]
Rus. iaz. v shkole (11a)	Russkii iazyk v shkole [Russian Language in Schools]	Sov. med. (14a)	Sovetskaya meditsina [Soviet Medicine]
Sbor. DonUGI (16h)	Donetsk. Nauchno-issledovatel'skii ugol'nyi institut. Sbornik [Scientific Research Coal Institute. Papers]	Sov. pech. (11b)	Sovetskaya pechat' [Soviet Press]
Sbor. ent. rab. (13c)	† Sbornik entomologicheskikh rabot [Entomological Papers]	Sov. pedagog. (8a)	Sovetskaya pedagogika [Soviet Pedagogy]
Sbor. nauch. rab. Nauch.-issl. inst. sel'khoz. TSentr.-chern. pol. (15a)	† Nauchno-issledovatel'skii institut sel'skogo khoziaistva TSentral'no-chernozemnoi polosy. Sbornik nauchnykh rabot [Scientific Research Institute of the Agriculture of the Central Black Earth Belt. Papers]	Sov. profsolyuzy (5d)	Sovetskie profsolyuzy [Soviet Trade Unions]
Sbor. nauch. trud. Vin. der. med. inst. (14a)	Vinnitsa. Derzhavnyi meditsinskiy institut. Sbornik nauchnykh trudov [State Medical Institute. Papers]	Sov. soluz. (1b)	Sovetskiy Soluz [Soviet Union]
Sbor. perev. mat. iz inostr. period. lit. po vop. avt. transp. (16g)	Avtomobil'nyi transport za rubezhom; sbornik perevodnykh materialov iz inostrannoy periodicheskoy literatury po voprosam avtomobil'nogo transporta [Automotive Transportation Abroad; Translations of Foreign Periodical Literature on Problems of Automotive Transportation]	Sov. torg. (5a)	Sovetskaya torgovlya [Soviet Commerce]
Sbor. rab. Sverd. med. inst. (14a)	† Sverdlovsk. Meditsinskii institut. Sbornik rabot [Medical Institute. Papers]	Sov. zdrav. (14a)	Sovetskoye zdoravookhraneniye [Soviet Health Service]
Sbor. stud. nauch.- issl. rab. VSKHI (15a)	† Voronezh. Sel'skokhoziaistvennyi institut. Nauchnoe studentcheskoye obshchestvo. Sbornik studentcheskikh nauchno-issledovatel'skikh rabot [Agricultural Institute. Scientific Student Society. Student Research Papers]	Sovr. Mong. (1b)	Sovremennnaya Mongoliya [Contemporary Mongolia]
		Spir. prom. (16c)	Spirtovalnaya promyshlennost' [Distilling Industry]
		Sred. spets. obr. (8a)	Srednee spetsial'noye obrazovaniye [Secondary Specialized Education]
		Stal' (16h)	Stal' [Steel]
		Stan. i instr. (16g)	Stanki i instrument [Machine Tools and Their Cutting Tools]
		Steklo i ker. (16c)	Steklo i keramika [Glass and Ceramics]
		Stroitel' arkhitekt. (10b)	Stroitel'stvo i arkhitektura [Construction and Architecture]
		Stroitel' arkhitekt. Lon. (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]
		Stroitel. mat. (16d)	Stroitel'nye materialy [Building Materials]
		Stroitel' (16d)	Stroitel' [The Builder]
		Sud.-med. ekspert. (14a)	Sudobno-meditsinskaya ekspertiza [Forensic Medicine Expertise]
		Sudostroyeniye (17b)	Sudostroyeniye [Shipbuilding]
		Svar. proizv. (16f)	Svarochnoye proizvodstvo [Welding Practice]
		Svod. biul. nov. inostr. knig. Ser. A (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteku SSSR. Seriya A: Estestvennoye nauki, med- itsina, sel'skoye khoziaistvo, tekhnika [Union List of New Foreign Books Received by the Libraries of the U.S.S.R. Series A: Natural Sciences, Medicine, Agriculture, Tech- nology]
		Teatr (9c)	Teatr [The Theater]
		Tekh. v sel'khoz. (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]
		Tekst. prom. (16f)	Tekstil'naya promyshlennost' [Textile Industry]
		Teor. i prak. fiz. kul't. (8b)	Teoriya i praktika fizicheskoy kul'tury [Theory and Prac- tice of Physical Education]

teploenergetika (16g)	Teploenergetika [Heat Engineering]	Trudy Inst. gor. dela AN URSS (16h)	Akademii nauk URSS, Kiev, Institut hirnychoi spravy. Trudy [Academy of Sciences of the Ukrainian S.S.R. Institute of Mining. Transactions]
splovozn. i sud. dvig. (16g)	Teplovoznnye i sudovye dvigateli [Locomotive and Marine Engines]	Trudy Inst. ist. est. i tekhn. (13a)	Akademii nauk SSSR, Institut istorii estestvoznaniya i tekhniki. Trudy [Academy of Sciences of the U.S.S.R. Institute of the History of Natural Sciences and Technology. Transactions]
org. za rub. (5a)	Torgovlia za rubezhom [Trade Abroad]	Trudy Inst. khim. UFAN SSSR (13d)	Akademii nauk SSSR, Ural'skii filial, Sverdlovsk, Institut khimii. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Chemistry. Transactions]
transp. stroit. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]	Trudy Inst. lesa AN Gruz. SSR (15c)	Akademii nauk Gruzinskoi SSR, Tiflis, Institut lesa. Trudy [Academy of Sciences of the Georgian S.S.R. Forestry Institute. Transactions]
Trudy AN Tadzh. SSR (1a)	Akademii nauk Tadzhikskoi SSR, Stalinabad, Trudy [Academy of Sciences of the Tajik S.S.R. Transactions]	Trudy Inst. lit. AN Turk. SSR (11b)	Akademii nauk Turkmenskoi SSR, Ashkhabad, Institut literatury. Trudy [Academy of Sciences of the Turkmen S.S.R. Institute of Literature. Transactions]
Trudy Abkh. inst. iz. i lit. i ist. (1a)	Akademii nauk Gruzinskoi SSR, Tiflis, Abkhazskii institut yazyka, literatury i istorii, Sukhumul. Trudy [Academy of Sciences of the Georgian S.S.R. Abkhazian Institute of Language, Literature, and History. Transactions]	Trudy Inst. morz. AN SSSR (12b)	Akademii nauk SSSR, Institut morzotovedeniya. Trudy [Academy of Sciences of the U.S.S.R. Permafrost Institute. Transactions]
Trudy Brian. tekhn. inst. (15c)	Bryansk. Tekhnologicheskii institut. Trudy [Technological Institute. Transactions]	Trudy Inst. psikh. AN Gruz. SSR (3a)	Akademii nauk Gruzinskoi SSR, Tiflis, Institut psikhologii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Psychology. Transactions]
Trudy DGZ (13c)	Darvinskii gosudarstvennyi zapovednik. Trudy [Darwin State Preserve. Transactions]	Trudy Inst. vys. nerv. deiat. Ser. fiziol. (13c)	Akademii nauk SSSR, Institut vysshego nervnogo deiatel'nosti. Trudy. Seriya fiziologicheskaya [Academy of Sciences of the U.S.S.R. Institute of the Higher Nervous Function. Transactions. Physiological Series]
Trudy DIIT (16g)	Dnepropetrovsk. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]	Trudy Iol. sel. sta. (15d)	Lotanskaya selektsionnaya stantsiya. Trudy [Lototan Plant Breeding Station. Transactions]
Trudy Dush. med. inst. (14a)	Dushanbe. Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]	Trudy Kar. fil. AN SSSR (1a)	Akademii nauk SSSR, Karai'skii filial, Petrozavodsk. Trudy [Academy of Sciences of the U.S.S.R. Karelian Branch. Transactions]
Trudy GAISH (13b)	Moscow, Universitet, Gosudarstvennyi astronomicheskii institut. Trudy [University. State Astronomical Institute. Transactions]	Trudy KazIMSa (10h)	Alma-Ata, Kazakhskii nauchno-issledovatel'skii institut mineral'nogo syr'ya. Trudy [Kazakh Scientific Research Institute of Mineral Raw Materials. Transactions]
Trudy GGO (13f)	Leningrad, Glavnaya geofizicheskaya observatoriya. Trudy [Main Geophysical Observatory. Transactions]	Trudy Khar. med. inst. (14a)	Kharkov. Meditsinskii institut. Trudy [Medical Institute. Transactions]
Trudy GIN (12c)	Akademii nauk SSSR, Geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Geological Institute. Transactions]	Trudy Khop. gos. zap. (13c)	Khoperskii gosudarstvennyi zapovednik. Trudy [Khoper State Preserve. Transactions]
Trudy Geol. muz. AN SSSR (12c)	Akademii nauk SSSR, Geologicheskii muzei. Trudy [Academy of Sciences of the U.S.S.R. Geological Museum. Transactions]	Trudy Kish. gos. med. inst. (14a)	Kishinev. Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]
Trudy Gor.-geol. inst. UFAN SSSR (12c)	Akademii nauk SSSR, Ural'skii filial, Sverdlovsk, Gornno-geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch, Mining-Geological Institute. Transactions]	Trudy LIETIN (14a)	Leningrad. Nauchno-issledovatel'skii institut ekspertizy trudospособnosti i organizatsii truda invalidov. Trudy [Scientific Research Institute of Disability Evaluation and Work Organization for the Handicapped. Transactions]
Trudy Gos. nauch.-issl. inst. psikh. (14c)	Moscow, Gosudarstvennyi nauchno-issledovatel'skii institut psikhologii. Trudy [State Scientific Research Institute of Psychiatry. Transactions]	Trudy Lab. geol. dokem. (12c)	Akademii nauk SSSR, Laboratoriya geologii dokembra. Trudy [Academy of Sciences of the U.S.S.R. Laboratory of the Geology of the Pre-Cambrian. Transactions]
Trudy IGEM (12c)	Akademii nauk SSSR, Institut geologii rudnykh mestorozhdenii, petrografii, mineralologii i geokhimi. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]	Trudy Lab. geol. ug. (16h)	Akademii nauk SSSR, Laboratoriya geologii uгля. Trudy [Academy of Sciences of the U.S.S.R. Laboratory of the Geology of Coal. Transactions]
Trudy IMGRE (12c)	Akademii nauk SSSR, Institut mineralologii, geokhimi i kristallografii i redkikh elementov. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements. Transactions]	Trudy Len. inst. epid. i mikrobiol. (14a)	Leningrad, Leningradskii institut epidemiologii i mikrobiologii im. Pastora. Trudy [Leningrad Pasteur Institute of Epidemiology and Microbiology. Transactions]
Trudy Inst. biol. UFAN SSSR (13c)	Akademii nauk SSSR, Ural'skii filial, Sverdlovsk, Institut biologii. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch, Institute of Biology. Transactions]	Trudy MAI (16b)	Moscow, Aviatsonnyi institut. Trudy [Aeronautical Institute. Transactions]
Trudy Inst. bot. AN Azerb. SSR (13c)	Akademii nauk Azerbaidzhan'skoi SSR, Baku, Institut botaniki. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Botany. Transactions]	Trudy MATI (16b)	Moscow, Aviatsonnyi tekhnologicheskii institut. Trudy [Technological Institute of Aeronautics. Transactions]
Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR (14h)	Akademii nauk Gruzinskoi SSR, Tiflis, Institut eksperimental'noi i klinicheskoi khirurgii i gematologii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Experimental and Clinical Surgery and Hematology. Transactions]	Trudy MGIAI (4a)	Moscow, Gosudarstvennyi istoriko-arkhivnyi institut. Trudy [State Institute of History and Archives. Transactions]
Trudy Inst. filoz. AN Gruz. SSR (3a)	Akademii nauk Gruzinskoi SSR, Tiflis, Institut filozofii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Philosophy. Transactions]	Trudy MIIT (16g)	Moscow, Moskovskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation. Transactions]
Trudy Inst. fiz. AN Gruz. SSR (13f)	Akademii nauk Gruzinskoi SSR, Tiflis, Institut fiziki. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Physics. Transactions]	Trudy MTIPP (16c)	Moscow, Tekhnologicheskii institut pishchevoi promyshlennosti. Trudy [Technological Institute of the Food Industry. Transactions]
Trudy Inst. fiz. Zem. (13f)	Akademii nauk SSSR, Institut fiziki Zemli. Trudy [Academy of Sciences of the U.S.S.R. Institute of Physics of the Earth. Transactions]	Trudy Mat. inst. (13c)	Akademii nauk SSSR, Matematicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Mathematical Institute. Transactions]
Trudy Inst. gen. i sel. AN Azerb. SSR (13c)	Akademii nauk Azerbaidzhan'skoi SSR, Baku, Institut genetiki i selektsii. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Genetics and Plant Breeding. Transactions]	Trudy Min. muz. (12c)	Akademii nauk SSSR, Mineralogicheskii muzei. Trudy [Academy of Sciences of the U.S.S.R. Mineralogical Museum. Transactions]
Trudy Inst. geog. (12b)	Akademii nauk SSSR, Institut geografii. Trudy [Academy of Sciences of the U.S.S.R. Institute of Geography. Transactions]	Trudy Muzela ist. Azerb. (4a)	Baku, Muzei istorii Azerbaidzhana. Trudy [Museum of the History of Azerbaijan. Transactions]
Trudy Inst. geol. Dag. fil. AN SSSR (12c)	Akademii nauk SSSR, Dagestanskii filial, Makhachkala, Institut geologii. Trudy [Academy of Sciences of the U.S.S.R. Dagestan Branch, Institute of Geology. Transactions]	[Trudy] NII osn. (16d)	Akademii stroitel'stva i arkhitektury SSSR, Institut osnovani i podzemnykh sooruzhenii. (Trudy) [Academy of Construction and Architecture of the U.S.S.R. Institute of Foundations and Underground Construction. Transactions]
Trudy Inst. geol. i geofiz. Sib. otd. AN SSSR (12c)	Akademii nauk SSSR, Sibirskoe otdelenie, Institut geologii i geofiziki. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department, Institute of Geology and Geophysics. Transactions]	Trudy NIIPoligraf-mash (2c)	Moscow, Nauchno-issledovatel'skii institut poligraficheskogo mashinostroeniya. Trudy [Scientific Research Institute of Printing Machinery Manufacture. Transactions]
Trudy Inst. geol. nauk AN Kazakh. SSR (12c)	Akademii nauk Kazakhskoi SSR, Alma-Ata, Institut geologicheskikh nauk. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Geological Sciences. Transactions]	Trudy NIIZHB (16d)	Akademii stroitel'stva i arkhitektury SSSR, Institut betona i zhelezobetona, Perovo. Trudy [Academy of Construction and Architecture of the U.S.S.R. Institute of Concrete and Reinforced Concrete. Transactions]
Trudy Inst. geol. nauk AN URSS. Ser. geotek. (12c)	Akademii nauk URSS, Kiev, Institut geologicheskikh nauk. Trudy. Seriya geotektoniki [Academy of Sciences of the Ukrainian S.S.R. Institute of Geological Sciences. Transactions. Series in Geotectonics]	Trudy NPI (16a)	Novocherkassk, Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]
		[Trudy] NTO bum. i der. prom. (16f)	Nauchno-tekhnicheskoe obshchestvo bumazhnoi i derevobrabatuyushchei promyshlennosti. (Trudy) [Scientific Technological Society of the Paper and Woodworking Industry. Transactions]
		Trudy Oren. sel'khoz. inst. (15a)	Orenburg, Sel'skokhoziaistvennyi institut. Trudy [Agricultural Institute. Transactions]

Trudy Paleont. inst. (12c)	Akademiya nauk SSSR. Paleontologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Institute of Paleontology. Transactions]	Ved. Verkh. Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Trudy po khim. prirod. soed. (13d)	Kishinev. Universitet. Trudy po khimii prirodnykh soedinenii [University. Papers on the Chemistry of Natural Compounds]	Vest. AMN SSSR (14a)	Akademiya meditsinskikh nauk SSSR, Moscow. Vestnik [Academy of Medical Sciences of the U.S.S.R. Journal]
Trudy SNIIGGIMS (12c)	Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. Trudy [Siberian Scientific Research Institute of Geology, Geophysics, and Mineral Resources. Transactions]	Vest. AN SSSR (1a)	Akademiya nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]
Trudy Sal. stat. UFAN SSSR (13c)	Akademiya nauk SSSR. Ural'skii filial, Sverdlovsk. Salekhardskii statist. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Salekhard Station. Transactions]	Vest. elektroprom. (16c)	Vestnik elektropromyshlennosti [Review of the Electrical Industry]
Trudy TSINS (16c)	Kiev. Tsentral'nyi nauchno-issledovatel'skii institut sakharnoi promyshlennosti. Trudy [Central Scientific Research Institute of the Sugar Industry. Transactions]	Vest. khir. (14h)	Vestnik khirurgii [Review of Surgery]
Trudy TSNI MP5 (16g)	Moscow. Vsesoluznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]	Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]
Trudy TSNIIMF (17b)	Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut morskogo flota. Trudy [Central Scientific Research Institute of the Merchant Marine. Transactions]	Vest. mashinostr. (10g)	Vestnik mashinostroenia [Machine-Building Review]
Trudy TSNIIS (16d)	Babushkin. Vsesoluznyi nauchno-issledovatel'skii institut transportnogo stroitel'stva. Trudy [All-Union Scientific Research Institute of Transportation Construction. Transactions]	Vest. Mosk. un. Ser. 1: Mat., mekh. (13e)	Moscow. Universitet. Vestnik. Seriya 1: Matematika, mekhanika [University. Review. Series 1: Mathematics, Mechanics]
Trudy TSNIISK (16d)	Akademiya stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktsei. Trudy [Academy of Construction and Architecture of the U.S.S.R. Institute of Construction Design. Transactions]	Vest. Mosk. un. Ser. 3: Fiz., astron. (13f)	Moscow. Universitet. Vestnik. Seriya 3: Fizika, astronomiya [University. Review. Series 3: Physics, Astronomy]
Trudy Tat. otd. GosNIORKH (15b)	Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khoziaistva. Tatarskoe otdelenie. Trudy [State Scientific Research Institute of Lake and River Fisheries, Tatar Department. Transactions]	Vest. stat. (5b)	Vestnik statistiki [Statistical Review]
Trudy Tbil. GIDUV (14a)	Tiflis. Gosudarstvennyi institut usovershenstvovaniia vrachei. Trudy [State Institute of Postgraduate Training for Physicians. Transactions]	Vest. aviatsi. (16e)	Vestnik aviatsii [Communications Review]
Trudy TomNIIVS (14e)	Tomsk. Nauchno-issledovatel'skii institut vaktsin i syvorotok. Trudy [Scientific Research Institute of Vaccines and Sera. Transactions]	Vest. vys. shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
Trudy Uz. nauch.-issl. inst. vet. (15b)	Tashkent. Uzbekskii nauchno-issledovatel'skii institut veterinarii. Trudy [Uzbek Scientific Research Institute of Veterinary Medicine. Transactions]	Veterinariia (15b)	Veterinariia [Veterinary Medicine]
Trudy VIEV (15b)	Lyublin. Vsesoluznyi institut eksperimental'noi veterinarii. Trudy [All-Union Institute of Experimental Veterinary Medicine. Transactions]	Visnyk ABIA URSS (10b)	Akademiya budivnytstva i arkhitektury URSS. Visnyk [Academy of Construction and Architecture of the Ukrainian S.S.R. Journal]
Trudy VIMS (16h)	Moscow. Vsesoluznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Trudy [All-Union Scientific Research Institute of Mineral Resources. Transactions]	Vnesh. torg. (5a)	Vneshniaia torgovlia [Foreign Trade]
Trudy VSGEI (12c)	Leningrad. Vsesoluznyi geologicheskii institut. Trudy [All-Union Geological Institute. Transactions]	Vod. i san. tekhn. (16d)	Vodosnabzhenie i sanitarnaia tekhnika [Water Supply and Sanitary Engineering]
Trudy VSGI SO AN SSSR (12c)	Akademiya nauk SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. East Siberian Geological Institute. Transactions]	Voen.-ist. zhur. (4a)	Voenno-istoricheski zhurnal [Military History Journal]
TSement (16d)	TSement [Cement]	Volov. ateist (3b)	Volovnychi ateist [Militant Atheist]
TSvet. met. (16h)	TSvetnye metally [Nonferrous Metals]	Vokrug sveta (12b)	Vokrug sveta [Around the World]
Uch. zap. Kab.-Balk. gos. un. (1a)	Nalchik. Kabardino-Balkarskii gosudarstvennyi universitet. Uchenye zapiski [Kabardino-Balkar State University. Studies]	Vop. antr. (12a)	Voprosy antropologii [Problems of Anthropology]
Uch. zap. Kaz. un. (1a)	Kazan. Universitet. Uchenye zapiski [University Studies]	Vop. arkh. (4a)	Voprosy arkhivovedeniia [Problems of Archives]
Uch. zap. LGU (1a)	Leningrad. Universitet. Uchenye zapiski [University Studies]	Vop. ekon. (5b)	Voprosy ekonomiki [Problems of Economics]
Uch. zap. MGPI (1a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]	Vop. filos. (3a)	Voprosy filosofii [Problems of Philosophy]
Uchet i fin. v kolhoz. i sovkhoz. (5b)	Uchet i finansy v kolkhodzakh i sovkhozakh [Accounting and Finance on Collective and State Farms]	Vop. gidr. (16d)	Voprosy gidrotekhniki [Problems of Hydraulic Engineering]
Ugol'. prom. (16h)	Ugol'naya promyshlennost' [Coal Industry]	Vop. ikht. (13c)	Voprosy ikhtologii [Problems in Ichthyology]
Ukr. bot. zhur. (13c)	Ukrains'kyi botanichnyi zhurnal [Ukrainian Botanical Journal]	Vop. ist. (4a)	Voprosy istorii [Problems of History]
Ukr. fiz. zhur. (13f)	Ukrains'kyi fizychnyi zhurnal [Ukrainian Physical Journal]	Vop. ist. KPSS (6)	Voprosy istorii KPSS [Problems of the History of the Communist Party of the Soviet Union]
Ukraina (1b)	Ukraina [The Ukraine]	Vop. lit. (11b)	Voprosy literatury [Problems of Literature]
Usp. fiz. nauk (13f)	Uspekhi fizicheskikh nauk [Progress in the Physical Sciences]	Vop. psikhol. (3a)	Voprosy psikhologii [Problems of Psychology]
Usp. khim. (13d)	Uspekhi khimii [Progress in Chemistry]	Vop. rent. i onk. (14a)	Voprosy rentgenologii i onkologii [Problems of Roentgenology and Oncology]
Usp. mat. nauk. (13e)	Uspekhi matematicheskikh nauk [Progress in the Mathematical Sciences]	Vop. revm. (14a)	Voprosy revmatizma [Problems of Rheumatism]
Uzb. geol. zhur. (12c)	Uzbekskii geologicheskii zhurnal [Uzbek Geological Journal]	Vrach. delo (14a)	Vrachebnoe delo [Medical Practice]
Uzb. khim. zhur. (13d)	Uzbekskii khimicheskii zhurnal [Uzbek Chemical Journal]	Vsem. prof. dvizh. (5d)	Vsemirnnoe profslozhnoe dvizhenie [World Trade-Union Movement]
Uzbekiston (1b)	Uzbekiston [Uzbekistan]	Vysokom. soed. (13d)	Vysokomolekulyarnye soedineniia [Macromolecular Compounds]
V mire knig (2a)	V mire knig [In the World of Books]	Vzryv. rab. (16h)	Vzryvnye raboty [Blasting]
Vech. sred. shkola (8a)	Vecherniaia sredniaia shkola [Evening Secondary School]	Z. ist. URSS (4a)	Z. istorii Ukrainy i RSR [From the History of the Ukrainian S.S.R.]
Ved. Verkh. Sov. RSFSR (6)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]	Za bezop. dvizh. (16g)	Za bezopasnost' dvizheniia [For Traffic Safety]
		Zap. Vses. min. ob-va (12c)	Vsesoluznoe mineralogicheskoe obshchestvo. Zapiski [All-Union Mineralogical Society. Annals]
		Zarub. radio-elek. (16e)	Zarubezhnaia radioelektronika [Radio Electronics Abroad]
		Zav. lab. (16h)	Zavodskaya laboratoriya [The Factory Laboratory]
		Zbir. prats' z obchys. mat. i tekhn. (13e)	Zbirnyk prats' z obchyslival'noi matematiky i tekhniki [Papers on Computer Mathematics and Engineering]
		Zdrav. Kazakh. (14a)	Zdravookhraneniie Kazakhstana [Health Service of Kazakhstan]
		Zdrav. Ros. Feder. (14a)	Zdravookhraneniie Rossiiskoi Federatsii [Health Service of the Russian Federation]
		Zhei. dor. transp. (16g)	Zheleznodorozhnyi transport [Railroad Transportation]
		Zhil. -kom. khoz. (16d)	Zhiliщno-kommunal'noe khoziaistvo [Communal Housing and Services]
		Zhil. stroi. (16d)	Zhiliщnoe stroitel'stvo [Housing Construction]
		Zhivotnovodstvo (15b)	Zhivotnovodstvo [Animal Husbandry]
		Zhur. anal. khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
		Zhur. Mosk. Patr. (3b)	Orthodox Eastern Church, Russian. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]

Zhur.nauch.i prikl.fot.i kin. (16c)	Zhurnal nauchnoi i prikladnoi fotografii i kinematografii [Journal of Scientific and Applied Photography and Cinematography]	Zhur.tekh.fiz. (16a)	Zhurnal tekhnicheskoi fiziki [Journal of Technical Physics]
Zhur.neorg.khim. (13d)	Zhurnal neorganicheskoi khimii [Journal of Inorganic Chemistry]	Zhur.ush., nos. i gorl. bol. (14d)	Zhurnal ushnykh, nosovykh i gorlovykh boleznei [Journal of Ear, Nose, and Throat Diseases]
Zhur.ob.khim. (13d)	Zhurnal obshchego khimii [Journal of General Chemistry]	Zhur.vych.mat. i mat.fiz. (13e)	Zhurnal vychislitel'noi matematiki i matematicheskoi fiziki [Journal of Computer Mathematics and Mathe- matical Physics]
Zhur.strukt.khim. (13d)	Zhurnal strukturnoi khimii [Journal of Structural Chemistry]	Znan.-sila (13a)	Znanie - sila [Knowledge is Power]

SUBJECT INDEX TO MONOGRAPHS AND PERIODICALS

- ACTH**
Comparative data from the ACTH and corticosteroid treatment of bronchial asthma [with summary in English]. B. B. Kogan, I. G. Dantliak. Sov. med. 26 no. 12:28-32 D '62.
Treatment of infectious hepatitis with ACTH and cortisone. I. K. Musabiev, G. K. Khamidov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:101-107 '62.
Use of the adrenocorticotrophic hormone and cortisone in epidemic hepatitis. L. D. Levina. Sbor. rab. Sverd. med. inst. no. 32:97-102 '61.
- ABDOMEN**
Structure and topography of the panniculus adiposus of the anterior wall of the abdomen in man and some vertebrates. V. A. Kornichuk, E. M. Kievskaya. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:66-71 '58.
- ABDOMEN—CANCER**
Sarcomatous degeneration of long existing fibromas of the abdominal wall. G. N. Badalian, O. A. Ovanessian. Vop. rent. i onk. 6:328-332 '61.
- ABDOMEN—TUMORS**
Pneumoretroperitoneum in tumors of the abdominal cavity. F. A. Kherobian, G. I. Martirosian, L. A. Airapetian. Vop. rent. i onk. 6:85-94 '61.
- ABDOMEN—WOUNDS AND INJURIES**
Injuries to the abdomen; according to data from a district hospital. A. E. Vasluk. Klin. khir. no. 12:45-48 D '62.
Severe closed injury of the abdomen. I. G. Klimniuk. Klin. khir. no. 11:82 N '62.
- ABDOMINAL ANEURYSM**
Rupture of an aneurysm of the abdominal aorta into the duodenum. V. F. Didenko, P. F. Kaliteevskii. Klin. khir. no. 11:70-71 N '62.
- ABDOMINAL AORTA**
Diagnostic importance of the pulsation of the abdominal aorta in tuberculous mesoadenitis. G. N. Ter-Oganessian. Vop. rent. i onk. 6:333-337 '61.
- ABDOMINAL AORTA—DISEASES**
Rare case of thrombosis of the abdominal aorta as a complication of typhus fever. G. M. Pastukhova. Sbor. rab. Sverd. med. inst. no. 32:130-139 '61.
- ABDOMINAL AORTA—SURGERY**
Homoplastics of the abdominal aorta in an experiment [in Georgian with summary in English]. K. D. Eristavi and others. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:87-107 '62.
- ABDULLAEV, LUTFULLA**
Chronicle in color. Abdulkhal Umarov. Uzbekiston 22 no. 1:14 Ja '63.
- ABILITY**
"Ability problems." Reviewed by M. Shurko. Nar. obr. no. 2:116-119 F '63.
- ABILITY, INFLUENCE OF AGE ON**
Problem of medical expertise on work capacity and work arrangement for old age groups in connection with the lengthening of the lifespan. Z. G. Frenkel'. Trudy LIETIN no. 4:5-10 '60.
- ABKHAZIA—ARCHAEOLOGICAL SURVEYING**
Archaeological studies in Abkhazia during forty years of Soviet rule. L. N. Solov'ev, M. M. Trapash. Trudy Abkhaz. inst. iaz., lit. i ist. 32:115-128 '61.
- ABKHAZIA—CAVES**
Abrskila Cave. E. S. Milhanovskii. Trudy Abkhaz. inst. iaz., lit. i ist. 32:177-184 '61.
- ABKHAZIA—COAL MINES AND MINING**
From the history of the development of the Tkvarcheli coal deposit; 1930-1935. L. M. Pritsker. Trudy Abkhaz. inst. iaz., lit. i ist. 32:139-149 '61.
- ABKHAZIA—GRAPES—VARIETIES**
Regional adaptation of grape varieties and specialization of viticultural regions in Abkhazia. E. I. Chamagua. Trudy Abkhaz. inst. iaz., lit. i ist. 32:165-171 '61.
- ABKHAZIA—HISTORY**
Brief survey of studies conducted on the history of Abkhazia during the last forty years. A. E. Kuprava, A. A. Olonetskii. Trudy Abkhaz. inst. iaz., lit. i ist. 32:67-76 '61.
Forty years of Soviet Abkhazia. M. T. Bgazhba. Trudy Abkhaz. inst. iaz., lit. i ist. 32:3-17 '61.
[Revolutionary committees of Abkhazia in the struggle to establish and consolidate the Soviet regime (Feb. 1921-Feb. 1922); documents and materials] Revoliutsionnye komitety Abkhazii v bor'be za ustanovlenie i uprochnenie Sovetskoi vlasti (fevr. 1921 g. - fevr. 1922 g.); sbornik dokumentov i materialov. Sukhumi, Abgossizdat, 1961. 423 p. (CS: H)
- ABKHAZIA—PRESS**
The press during the cultural revolution in Abkhazia. A. K. Adleba. Trudy Abkhaz. inst. iaz., lit. i ist. 32:151-155 '61.
- ABKHAZIAN LITERATURE—HISTORY AND CRITICISM**
Development of Abkhazian literature during the years of Soviet rule; a brief survey. Sh. D. Inal-Jpa. Trudy Abkhaz. inst. iaz., lit. i ist. 32:35-51 '61.
- ABKHAZIAN STUDIES**
On the history of the Abkhazian Institute. Kh. S. Bgazhba. Trudy Abkhaz. inst. iaz., lit. i ist. 32:187-201 '61.
- ABKHAZIANS**
Ethnographic studies on the Abkhazians during the years of Soviet rule. L. Kh. Akaba. Trudy Abkhaz. inst. iaz., lit. i ist. 32:105-103 '61.
- ABRASION—TESTING**
Use of vibration mills for the abrasion testing of refractories. E. V. Degliareva, V. A. Kukhtenko. Ogneupory 28 no. 3:138-140 '63.
- ABRASIVE WHEELS** see Grinding wheels
- ABSENCE, LEAVE OF** see Leave of absence
- ABSORPTION (PHYSIOLOGY)**
Change in the sorptive characteristics of some tissues in hypophysectomized irradiated animals. V. A. Kazarian. Izv. AN Arm. SSR. Biol. nauki 15 no. 8:45-50 Ag '62.
Effect of ephyllin, papaverine, nitroglycerin and chlorazoline on the tone of the coronary vessels and oxygen absorption by the myocardium under conditions of heart isolation by Langendorff's method [with summary in English]. V. V. Bulanov, I. E. Klain. Vest. AMN SSR 18 no. 1:36-40 '63.
Effect of the original functional state on the staining capacity of spinal ganglia of rats under stimulation. D. L. Rozental', K. A. Filatova. Fiziol. zhur. 48 no. 12:1488-1503 D '62.
- ABSORPTION OILS**
Use of coal absorption oil for water dephenolization. V. A. Ivashchenko, D. P. Dubrovskaya. Koks i khim. no. 2:45-51 '63.
- ABSTRACT ART** see Art, Abstract
- ABU DHABI—PETROLEUM INDUSTRY**
Millionaire of the Pirate Coast. IU. B. Nov. vrem. 20 no. 12:14-15 Mr '63.
- ABULADZE, IUSTIN IRAKLEVICH, 1874-1962**
IU. I. Abuladze, 1874-1962. Nar. Az. i Afr. no. 1:255-266 '63.
- ACADEMIC DISSERTATIONS** see Dissertations, Academic
- ACADEMY OF SCIENCES OF THE LITHUANIAN S.S.R.**
Elections in the Academy of Sciences of the Lithuanian S.S.R. Vest. AN SSSR 33 no. 2:80 F '63.
- ACADEMY OF SCIENCES OF THE U.S.S.R.**
(see also subdivision under Sverdlovsk)
Chemistry at the Petersburg Academy of Sciences before M. V. Lomonosov. S. A. Pogodin. Trudy Inst. ist. est. i tekhn. 39:3-23 '62.
Competitions for gold medals and prizes of the Academy of Sciences of the U.S.S.R., 1963. Zap. Vses. min. obva 91 no. 6:743-744 '62.
- In the Presidium of the Academy of Sciences of the U.S.S.R. Izv. AN SSSR, Ser. geol. 28 no. 3:117-119 Mr '63.
Meeting of the Section of Structural Calculations of the Commission for X-ray Study of the Academy of Sciences of the U.S.S.R. V. G. Petrov. Zhur. strukt. khim. 4 no. 1:140-141 Ja-F '63.
- ACCELERATION (MECHANICS)**
Auxiliary acceleration and the general method for its determination. I. I. Pomykaev. Trudy MAI no. 147:22-26 '62.
- ACCELERATORS, ELECTRON** see Particle accelerators
- ACCELEROMETERS**
Accelerometers with feedback. A. S. Semenov. Trudy MAI no. 147:62-71 '62.
Designing accelerometers with power compensation. L. A. Dmitrochenko. Trudy MAI no. 147:51-61 '62.
An error of a compensation accelerometer. V. N. Akimov. Trudy MAI no. 147:45-50 '62.
Theoretical bases for determining transmission coefficients and the method for the selection of allowed errors of the basic circuit of navigational accelerometers. I. I. Pomykaev. Trudy MAI no. 147:76-102 '62.
- ACCIDENT LAW**
Liability for work injuries. K. Shkalenkova. Rad. pravo no. 1:111-113 Ja-F '63.
- ACCLIMATIZATION**
Acclimatization of the American mink (*Mustela vison* Bries) in the Volga-Kama region. D. I. Asplev, N. D. Grigor'ev. Uch. zap. Kaz. un. 120 no. 6:322-334 '60.
- ACCORDION—INSTRUCTION AND STUDY**
Verfolomov, A. D. [Musical theory for accordions] Muzykal'naya gramota dlia balantistov i akkordionistov. Leningrad, Muzgiz. No. 2. [Intervals. Chords] Interval. Akkordy. 1962. 81 p. Samoizdache nye tablitsy. T. Solikova.
- ACCOUNTING**
Analytical basis for orders. B. Lavrushin. Sov. tor. 35 no. 9:42-45 S '62.
Grachev, N. P., IU. A. Grigor'ev, and A. F. Mukhin. [Accounting in the foreign trade of the U.S.S.R.] Uchet vo vneshei torgovle SSSR. Moskva, Vneshtorgizdat, 1962. 300 p.
Malakhov, I. K. [Case problems on the fundamentals of the organization of an industrial enterprise; for accountants] Sbornik zadach po osnovam organizatsii promyshlennogo predpriiatiia; uchebnoe posobie dlia kursov podgotovki i povysheniia kvalifikatsii bukhgaltterov promyshlennosti. Moskva, Ekonomizdat, 1962. 315 p.
"Organization of accounting in state commerce" by A. A. Anisov. Reviewed by G. Dundukov. Sov. tor. 36 no. 1:47-48 Ja '63.
Soviet business accounting. S. K. Tatur. Uchel. i fin. v kolhoz, i sovkhov. 20 no. 1:22-28 Ja '63.
Voltsman, N. R. [Accountant, the state controller] Dukhgalt'er, gosudarstvennyi kontroler. Moskva, Gosfinizdat, 1962. 38 p. (MH) (CS: H)
- ACENAPHTHYLENE**
Using an experimental unit for obtaining acenaphthylene from acenaphthene. E. I. A. Chernomordik. Koks i khim. no. 2:43-44 '63.
- ACENES—SPECTRA**
Absorption spectra and electron paramagnetic resonance spectra of positive acene ions formed in vacuum absorption. V. A. Barachevskii and others. Dokl. AN SSSR 147 no. 5:1108-1111 D '62.
- ACETALDEHYDE**
Formation of excited formaldehyde molecules by low temperature oxidation of acetaldehyde. V. F. Shvachkov and others. Dokl. AN SSSR 149 no. 2:388-390 Ja '63.
Structure and reactivity of the condensation products of aromatic amines with aliphatic aldehydes. Part I: Isomerism and structure of ethyldienaniline dimers. V. I. Minkh, Zh. A. Turnakova. Zhur. ob. khim. 33 no. 2:642-646 F '63.

ACETAMIDE

Amperometric titration of palladium by thionalide. IU, I. Usatenko, T. V. Zamorskaia, Zav. lab. 29 no. 3: 291-293 '63.

ACETATE SILK see Rayon

ACETIC ACID

Decontamination of wastes from acetic acid manufacture with a simultaneous production of building materials. V. I. Akedus, I. E. Gergert, A. V. Kuranova, Gidroliz. i isokhim. prom. 16 no. 1:16-19 '63.

Effect of the acidity of the extractant on the degree of the extraction of acetic acid from the aqueous phase. V. N. Kozlov, G. A. Tokareva, Trudy Inst. khim. UFAN SSSR no. 6:33-40 '61.

Esterification of acetic acid and its homologues by butanol. A. M. Smolenskaya, V. N. Kozlov, Trudy Inst. khim. UFAN SSSR no. 6:47-53 '61.

Nature of the effect of derivatives of phenoxycetic acid on corn and weeds. IU, G. Merezhinskii, Nauch. trudy Ukr. nauch.-issl. inst. fiziol. rast. no. 23:132-140 '62.

Reaction of allylalkylacetic acids with mercury acetate. S. V. Arakelian, M. T. Dangian, A. A. Avetisyan, Izv. AN Arm. SSR, Khim. nauki 15 no. 5:435-438 '62.

Rearrangement of esters of hydroxymethyl (diethylphosphonic) acetic acid. A. N. Pudovik, I. V. Kononova, L. V. Dedova, Zhur. ob. khim. 33 no. 2:483-486 F '63.

Speed of continuous countercurrent extraction of acetic acid from the aqueous phase by the nonaqueous phase. V. N. Kozlov, Trudy Inst. khim. UFAN SSSR no. 6:93-102 '61.

Ternary reciprocal system consisting of sodium and potassium acetates and isovalerates. E. I. Pochtakova, Zhur. ob. khim. 33 no. 2:342-347 F '63.

ACETOACETIC ACID

Interaction of divinyl and isoprene hydrochlorides with sodium acetoacetic ester. L. I. Bunina-Krivorukova, A. A. Petrov, Zhur. ob. khim. 33 no. 2:427-432 F '63.

ACETOBACTER

Studying the biology of acetic acid bacteria in submerged cultivation. Part 2: Oxidation of ethyl alcohol by Acetobacter aceti [with summary in English]. M. S. Lotislanskaya, V. E. Plakn, Vest. LGU 18 no. 3:65-73 '63.

ACETOPHENONE

Cyclopropanes and cyclobutanes. Part 20 p-Acetylphenylcyclopropane in the synthesis of para-substituted cyclopropylbenzenes. R. A. Levina and others, Zhur. ob. khim. 33 no. 2:365-371 F '63.

Protection of animals from gamma rays with the help of some aminophenones. E. F. Romanisev, M. V. Tikhomirova, Radiobiologiya 3 no. 1:126-129 '63.

ACETYLENE

Conversion of methane to acetylene in an argon plasma jet. G. V. Gullnev and others, Dokl. AN SSSR 140 no. 3:641-643 Ja '63.

Obtaining acetylene by means of the pyrolysis of casing-head gasoline. Kh. Grigorian, Prom. Arm. 5 no. 12: 31-34 D '62.

ACETYLENE—ANALYSIS

Rapid method for determining acetylene in the air of closed spaces. P. I. Drut'sen, Sudostroenie 20 no. 2: 52 F '63.

ACETYLENE BLACK see Carbon black

ACETYLENE COMPOUNDS

Photoconductivity kinetics of acetylene polymers. V. S. Myl'nikov, Dokl. AN SSSR 148 no. 3:620-623 Ja '63.

Synthesis of ditertiary acetylenic γ -glycols from saturated methyl ketones and of tetratomic acetylenic alcohols from diacetone alcohol in a benzene medium. V. D. Azatian, M. V. Vasilian, Izv. AN Arm. SSR, Khim. nauki 15 no. 5:493-494 '62.

ACETYLENE COMPOUNDS—CONGRESSES

All-Union Scientific Conference on the Problem of "Syntheses based on Acetylene." Sh. O. Hadanian, Izv. AN Arm. SSR, Khim. nauki 15 no. 6:571-573 '62.

ACHISAY—NONFERROUS METAL INDUSTRIES

Those who outrun time. P. Ternovskii, Nar. khoz. Kazakh. 20 no. 12:57-61 D '61.

ACIDOSIS

Experimental study of metabolic acidosis under deep hypothermia. E. P. Stepanian, R. V. Merkur'eva, E. L. Geselevich, Dokl. AN SSSR 147 no. 5:1250-1252 D '62.

ACIDS, FATTY

(see also subdivision under Shebekina)

Hydrogen bond and the statistical dielectric constant of liquids. Part 2: Correlation factor and the structure of monobasic carboxylic acids. A. E. Lutski, S. A. Mikhailenko, Zhur. strukt. khim. 4 no. 1:14-17 Ja-F '63.

New technology for the separation of fatty acid mixtures in water dispersions by means of centrifuges. IA, List, Masl. -zhir. prom. 20 no. 1:19-23 Ja '63.

Problems of economics in the use of alkaline manganese oxides. A. F. Prokopcuk, Khim. i tekhn. topl. i masel 8 no. 1:46-49 Ja '63.

Reactions of cyanamide with aliphatic acid anhydrides. Part 1. L. E. Krelov, A. P. Momaenko, Zhur. ob. khim. 33 no. 2:307-309 F '63.

Use of synthetic fatty acids in agriculture. K. F. Gromakovskii, Masl. -zhir. prom. 20 no. 1:38-39 Ja '63.

ACIDS, ORGANIC

Analysis of mixes of salts and acids by the potentiometric method in nonaqueous solutions. A. P. Kreshkov, A. N. Iarovenko, I. A. Zel'manova, Zav. lab. 29 no. 3:265-268 '63.

Complex compounds of metals with hydroxy acids. I. V. Platnitskii, Usp. khim. 32 no. 1:93-119 Ja '63.

Effect of the structure of synthetic carboxylic acids on the structure and properties of plastic sodium greases. V. V. Shitsyn and others, Neftekhimika 3 no. 1:128-134 Ja-F '63.

Ion exchange in the study of the state of a substance in solution. Part 8: Complex formation of europium with some dibasic acids. V. I. Paramonova, A. S. Korotichuk, A. V. Chizhov, Radiokhimiya 5 no. 1:83-73 '63.

Methods of analysis of dicarboxylic acids and their mixtures. A. P. Kreshkov, L. N. Bykova, N. T. Smolova, Lakokras. mat. i ikh. prim. no. 1:45-51 '63.

New triterpene acid ("macedonic") from Glycyrrhiza macedonica Boiss. et Orph. N. P. Kir'yalov, T. N. Naugol'nala, Zhur. ob. khim. 33 no. 2:697-700 F '63.

New triterpene acid ("meristotropic") from Glycyrrhiza triphylla Fisch. et Meyl. N. P. Kir'yalov, T. N. Naugol'nala, Zhur. ob. khim. 33 no. 2:694-697 F '63.

Obtaining furfural and organic acids in a composite processing of birchwood by hydrolysis. A. D. Mishin, A. M. Serobrennikova, T. F. Filatova, Trudy Inst. khim. UFAN SSSR no. 6:87-92 '61.

Triterpene acid ("echinatic") from roots of Glycyrrhiza echinata L. N. P. Kir'yalov, T. N. Naugol'nala, Zhur. ob. khim. 33 no. 2:700-703 F '63.

ACONITE

Aconitum saxatile Worosch. et Vorobiev sp. nov. V. N. Voroshilov, D. P. Vorob'ev, Biol. Glav. bot. sada no. 45:53-55 '62.

ACOUSTIC NERVE

Role of the sympathetic innervation in the function of the peripheral portion of the auditory analyzer [with summary in English]. A. I. Vasil'ev, Zhur. ush., nos. i gorl. bol. 22 no. 4:9-12 Ji-Ag '62.

Some data on the physiology of the acoustic analyzer. A. G. Nikhinson, Zhur. ush., nos. i gorl. bol. 22 no. 4: 88-91 Ji-Ag '62.

ACOUSTIC NERVE—DISEASES

Classification of various lesions of the acoustic analyzer and their differential diagnosis [with summary in English]. G. I. Grinberg, Zhur. ush., nos. i gorl. bol. 22 no. 4:3-8 Ji-Ag '62.

ACOUSTIC NERVE—TUMORS

Pathology of cerebrospinal fluid circulation following the removal of neurinomas of the eighth nerve. A. A. Arendt, S. I. Neruevants, Probl. sovr. neirokhir. 4: 5-13 '62.

ACQUISITIONS (LIBRARIES)

Coordinate the acquisition work of libraries. T. Mistrin-kova, Klub 12 no. 8:37 Ag '62.

[Now foreign books received by the library system of the Academy of Sciences of the U.S.S.R.] Nov. inostr. knigi, postup. v sist. Bibl. AN SSSR no. 5 '62; no. 2 '63.

ACROLEIN

Processes and interaction products of macromolecular compounds with inorganic salts. Part 2: Formation of complexes of poly (α -methyl)acrolein with uranyl nitrate. I. V. Andreeva, P. F. Andreev, E. M. Rogozina, Radiokhimiya 5 no. 1:103-106 '63.

ACRYLAMIDE

Use of polyacrylamides in the textile industry. Kh. M. Zinger and others, Leh. prom. no. 3:17 Je-Ag '62.

Using polyacrylamide to purify drinking water. IU, Veitser, Zhil. -kom. khoz. 12 no. 8:22-23 Ag '62.

ACRYLIC ACID

Carbonium polymerization of polyester acrylates. T. E. Lipatova, A. A. Berlin, Dokl. AN SSSR 148 no. 2:353-356 Ja '63.

Synthesis of hardening polyester acrylates in the presence of insoluble polyelectrolytes. E. B. Trostianskaya and others, Plast. massy no. 2:12-13 '63.

ACRYLONITRILE

Chemistry of divinylacetylene and its halo derivatives. Part 8: Copolymerization of trans-2,3,4,5-tetrachloro-2,3,5-hexatriene with styrene, acrylonitrile, and vinyl acetate [with summary in English]. A. N. Akopian, G. B. Kravchik, Vysokom. soed. 5 no. 2:201-205 F '63.

Polymerization of butadiene with acrylonitrile in the presence of redox systems. B. E. Kutsenok and others, Kauch. i rez. 22 no. 2:1-4 F '63.

Spectrum of acrylonitrile-vinylpyridine copolymer in polarized infrared light [with summary in English]. I. B. Kiimenko, Vysokom. soed. 5 no. 2:287-289 F '63.

ACTINIUM ISOTOPES

Preparation of carrier-free Ac^{228} (MeThg) and Ra^{228} (MeThg) by the ion exchange method. E. Bruckher, Radiokhimiya 5 no. 1:142-143 '63.

ACTINOMYCETES

Formation of some vitamins of the group B in actinomycetes rimosus 118. A. I. Garkavenko, T. A. Vasil'eva, Izv. AN Mold. SSR no. 7:3-6 '62.

Formation of vitamin B₁₂ by a culture of actinomycetes griseus 15; preliminary report. A. I. Garkavenko, L. P. Koval'chuk, Izv. AN Mold. SSR no. 7:7-9 '62.

Isolation and identification of glycerin oxidation products of Actinomyces aureofaciens LS-B-16. V. G. Plakunova, Dokl. AN SSSR 148 no. 2:445-447 Ja '63.

Role of the metabolism products of actinomycetes in the formation of humus substances [with summary in English]. I. V. Aleksandrova, Pochvovedenie no. 12:9-14 D '62.

Ways of the utilization of glycerin by Actinomyces aureofaciens LS-B-16. V. N. Sheposhnikov, V. G. Plakunova, Dokl. AN SSSR 148 no. 1:210-213 Ja '63.

ACTINOMYCOSIS

Actinomycosis of the larynx [with summary in English]. V. N. Shechekhin, Zhur. ush., nos. i gorl. bol. 22 no. 4: 72-75 Ji-Ag '62.

Intravenous injection of iodine water solutions in actinomycosis. I. A. Goloschchapov, A. Rodionov, Veterinarina 37 no. 7:43 Ji '60.

ACTIVITY COEFFICIENTS

Additivity of free activation energies in gaseous free radical reactions. I. V. Ilerazin, Dokl. AN SSSR 148 no. 3:609-612 Ja '63.

Relation between the distribution coefficient and the heat of extraction. V. I. Ashkichev, E. E. Vinogradov, Radiokhimiya 5 no. 1:130-137 '63.

ACTRESSES, WHITE RUSSIAN

An "actress of the White Russian people." Tamara Bushko, Rab. i stol. 39 no. 1:10-19 Ja '63.

ACUPUNCTURE

Acupuncture in the clinic for internal diseases. N. A. Gavrilov, V. S. Luk'yanov, N. F. Shvidkovskii, Vrach. delo no. 1:145-146 Ja '63.

Preparation for hypnotherapy using acupuncture. A. M. Dembo, Vrach. delo no. 11:138-139 N '62.

ACUTE CATARRHAL JAUNDICE see Hepatitis, Infectious

ACYLATION

Catalytic N-acylation of piperidine, α - and β -pipercolines with carbon monoxide. IA, IU, Aliev, I. B. Romanova, L. Kh. Freidin, Uzb. khim. zhur. 6 no. 6:58-66 '62.

ADAPTATION (BIOLOGY)

Training regime and some indicators of the adaptation capacity of rats to deep hypoxic-hypercapnic hypothermia. N. V. Korotavina, Fiziol. zhur. 46 no. 12: 1460-1470 D '62.

ADENOSINETRIPHOSPHATASE

Water-soluble adenosinetriphosphatase in the organs of rats affected by polonium. M. G. Zotova, Radiobiologiya 3 no. 1:21-23 '63.

ADENOVIRUS INFECTIONS

Characteristics of group diseases caused by adenoviruses in children. L. K. Maslennikova, T. A. Klushina, V. A. Sepozhnikova, Trudy Len. inst. epid. i mikrobiol. 22: 174-184 '61.

Etiology of influenzalike diseases; preliminary report. E. A. Fridman, L. K. Maslennikova, Trudy Len. inst. epid. i mikrobiol. 17:38-42 '58.

ADENOVIRUS INFECTIONS—MICROBIOLOGY see subdivision under Leningrad

ADHESION

Adhesion of thermosetting polymers to glass [with summary in English]. V. E. Gul' and others, Vysokom. soed. 5 no. 2:268-273 F '63.

ADHESIVES

Adhesive for ceramic bits. S. V. Riazanov, A. A. Filonenko, Mashinostroitel' no. 1:35 Ja '63.

Prolonging service life of parts in using epoxy adhesives in repairing. G. D. Pekelis, B. T. Gol'berg, Vest. mashinost. 43 no. 1:77-79 Ja '63.

Rubber glues for gluing structural materials. A. S. Freidin, V. I. Oves, Stroi. mat. 9 no. 2:30-3 of cover F '63.

Synthetic adhesives for metal-bonding to metal. D. A. Kardashov, I. M. Zamanskii, Plast. massy no. 2:72-77 '63.

Technical specifications for the accounting for glue and wool. M. L. Derbarmidker, Kozh. -obuv. prom. 5 no. 1:38-39 Ja '63.

- ADHESIVES—TESTING**
Specimen for a rapid durability test of a wood adhesive. V. M. Khrulev. Zav. lab. 29 no. 1:99 '63.
- ADIPOSE TISSUES**
Structure and topography of the panniculus adiposus of the anterior wall of the abdomen in man and some vertebrates. V. A. Kornilchuk, E. M. Kievskaya. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:66-71 '58.
- ADMINISTRATION OF JUSTICE** see Justice, Administration of
- ADMINISTRATIVE ECONOMIC COUNCILS** see subdivision under Rostov Province
- ADMINISTRATIVE LAW**
Leningrad, Universitet. [Problems of civil and administrative law] Problemy grazhdanskogo i administrativnogo prava. [Leningrad] Izd-vo Leningr. univ., 1962, 340 p.
- ADOLESCENCE**
Psychological basis for the individual approach to a young adolescent. Report No. 1; Need for self-assertion as a chief motive for the behavior of a young adolescent. A. P. Kravovskii. Dokl. APN 6 no. 5:23-26 '62.
- ADRENAL CORTEX**
Abdominal manifestations of a thyrotoxic crisis. A. N. Litul'ka, O. V. Tushin. Klin. khir. no. 11:77-79 N '62.
Functional state of the adrenal cortex in diabetes mellitus [with summary in English]. A. M. Legkun. Vrach. delo no. 11:39-43 N '62.
- ADRENAL GLANDS**
Changes in suprarenal glands and carbohydrate metabolism of water voles (*Arvicola terrestris*) in spring and summer. L. G. Krotova. Trudy Inst. biol. UFAN SSSR no. 29:129-140 '62.
Interrelations between cortical and medulla substances of the suprarenal gland in beavers at various periods of the year. L. Torgun. Sbor. stud. nauch. issl. rab. VSKH 1 no. 1:179-181 '62.
Reaction of the sympathetic-adrenal system to surgical intervention for thyrotoxicosis. V. F. Postnikov. Klin. khir. no. 11:52-58 N '62.
- ADSORPTION**
Absorption spectra and electron paramagnetic resonance spectra of positive acene ions formed in vacuum adsorption. V. A. Barachevskii and others. Dokl. AN SSSR 147 no. 5:1108-1111 D '62.
Adsorption of allylbenzene and allylcyclohexane on a chromia catalyst. I. V. Smirnova, G. V. Karpukhina, K. V. Topchieva. Neftekhimika 3 no. 1:71-73 Ja-F '63.
Adsorption of Pu(VI) on polished platinum. A. G. Samartseva. Radiokhimiya 5 no. 1:28-32 '63.
Adsorption of polydimethylsiloxane from solutions by aerogels. A. V. Kiselev, V. N. Novikova, I. U. A. El'tekov. Dokl. AN SSSR 149 no. 1:131-134 Mr '63.
Effect of cadmium ions on the adsorption of hydrogen on a palladium coated platinum electrode. D. V. Sokol'skii, N. A. Zakharina, G. D. Zakumbaeva. Dokl. AN SSSR 148 no. 3:630-632 Ja '63.
New synthetic sodium zeolites and their adsorption properties. S. P. Zhdanov, N. N. Buntari. Dokl. AN SSSR 147 no. 5:1118-1121 D '62.
Obtaining residual diesel oil from the petroleum of the Neftyanyye Kamni field by adsorption refining. R. Sh. Kuliev and others. Azerb. nef. khoz. 41 no. 7:34-37 JI '62.
Surface chemical compounds on siliceous adsorbents and their role in adsorption phenomena. I. E. Neimark. Neftekhimika 3 no. 1:149-158 Ja-F '63.
Timofeev, D. P. [Kinetics of adsorption] Kinetika adsorbitsii. Moskva, Izd-vo Akad. nauk SSSR, 1962, 261 p.
- ADULT EDUCATION** see subdivision under Irkutsk; Leningrad
- ADVERTISING—HOUSEHOLD APPLIANCES**
Advertising work in "Roskhozorg." T. Gorlanova, A. Grachev. Sov. torg. 36 no. 10:52-55 O '62.
- ADVERTISING, PICTORIAL** see Posters
- ADYGE AUTONOMOUS PROVINCE**
Autley, A. TS., and D. G. Kostanov, eds. [The 40th anniversary of the Adyge Autonomous Province] 40 let avtonomii Adygei. Maikop, Adygeiskoe knizhnoe izd-vo, 1962, 160 p.
- ADYGE AUTONOMOUS PROVINCE—FRUIT CULTURE—RESEARCH**
Experimental work in gardening. D. P. Shirokikh. Shkola i proizv. 7 no. 1:22-25 Ja '63.
- ADZHELI VALLEY—CLASSICAL ANTIQUITIES**
Necropolis of the Roman period near the Novo-Otradoye village. T. M. Arsen'eva. Sov. arkheol. 7 no. 1:192-203 '62.
- AERIAL EXPLORATION** see subdivision under Arctic regions
- AERIAL NAVIGATION** see Navigation (Aeronautics)
- AERIAL OBSERVATION** see Aeronautics, Military—Observations
- AERIAL PHOTOGRAMMETRY**
Bridging a plane table net by the phototraversing method. V. N. Belykh. Geod. i kart. no. 1:41-43 Ja '63.
Combining analytical and graphic series in aerotriangulation. V. V. Vainauskas. Geod. i kart. no. 12:40-45 D '62.
Effect of "a dangerous area" on the accuracy of constructing photogrammetric nets. N. I. Sokolov. Geod. i kart. no. 12:46-50 D '62.
Factors determining the most appropriate scale of aerial photographs for large-scale mapping by universal methods. I. T. Khaidushid, P. V. Zafirov. Izv. vys. ucheb. zav. geod. i aerof. no. 4:133-142 '62.
Graphic determination of the elements of reciprocal orientation and the corrections in absolute parallaxes. L. I. Gelsart. Izv. vys. ucheb. zav. geod. i aerof. no. 4:121-132 '62.
Increasing accuracy in fixing points on aerial photographs. V. B. Dubinovskii, F. F. Lysenko. Geod. i kart. no. 1:44-47 Ja '63.
Location survey of new railroad lines by means of a stereomodel prepared with a multiplex. V. A. Khrapkov. Sbor. trud. LIEZHT no. 109:62-72 '62.
Measuring the volume of information in the interpretation of aerial photographs. G. B. Gonin. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:21-28 Ja-F '63.
- AERIAL PHOTOGRAMMETRY—EQUIPMENT AND SUPPLIES**
Equation of the movement of the vertical axis of an aerial camera mounted in a gyro-stabilizer. V. I. Torochkov. Izv. vys. ucheb. zav. geod. i aerof. no. 4:147-154 '62.
- AERIAL SPORTS**
(see also subdivision under Kharkov; Minsk)
In the aerial sports committee. Kryl. rod. 13 no. 12:28-29 D '62.
- AERODYNAMIC HEATING**
Study of the temperature jump during the flow of rarefied air close to a hard wall. S. I. Gribkova, L. S. Stemenko. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:11-19 Mr-Apr '62.
- AERODYNAMICS**
Generalization of the velocity fields of a turbulent flow in a cyclone chamber [with summary in English]. V. A. Shvab. Inzh.-fiz. zhur. 6 no. 2:102-108 F '63.
Some positive aspects of a new method for aerodynamic design of centrifugal fans. V. V. Pak. Izv. vys. ucheb. zav. energ. 6 no. 1:77-87 Ja '63.
- AERODYNAMICS—TABLES, ETC.**
Kuznetsov, S. I. [Diagrams and tables for dissociating air flow around a wedge, cone, and cambered surface] Diagrammy i tablitsy ischeniya dissotsiiruiushchego vozdukhа okolo khtna, konusa i vypukloi poverkhnosti. Moskva, Oborongiz, 1962, 210 p.
- AERODYNAMICS, HYPERSONIC**
Excitation of hypersound by slow electromagnetic waves. E. M. Ganapol'skii, A. N. Chernets. Dokl. AN SSSR 149 no. 1:72-75 Mr '63.
- AERODYNAMICS, SUPERSONIC**
Disintegration of heated metals and alloys in a supersonic air flow [with summary in English]. L. A. Neogorovov, V. I. Prosvirnin. Inzh.-fiz. zhur. 6 no. 2:44-51 F '63.
Effect of rarefaction of a supersonic flow on the readings of impact-pressure probes [with summary in English]. S. I. Kosterin and others. Inzh.-fiz. zhur. 5 no. 12:18-22 D '62.
In the pursuit of "supersonic" profit. I. Lushnikov. Mir. ekon. i mezhdunar. otn. no. 1:101-103 '63.
Stability of orthotropic shallow shells in a supersonic gas flow. Zh. E. Bagdasarian. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:82-88 Ja-F '63.
Supersonic flow about blunt bodies with a known sonic point. K. M. Megomedov. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:111-117 Ja-F '63.
Supersonic flow of an ideal gas about a blunt body. I. U. N. D'akovov, N. A. Zaitseva. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:118-123 Ja-F '63.
- AEROFOLDS IN CASCADE** see Cascades (Fluid dynamics)
- AEROLITES** see Meteorites
- AEROMETER** see Hydrometer
- AERONAUTICAL INSTRUMENTS**
Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu. [Programs for individual and team training of mechanics for the assembly of airplane instrument equipment; commercial air fleet] Programmy dlia individual'noi i brigadnoi podgotovki komplektovshchikov pribornogo oborudovaniia samoletov; grazhdanskii vozdukhnyi flot. Moskva, Proftekhizdat, 1962, 21 p.
- AERONAUTICAL SOCIETIES**
(see also subdivision under Kiev; Moscow)
Let us efficiently carry out the decisions of the Fifth Congress of the All-Union Volunteer Society for Assistance to the Army, Air Force and Navy. Kryl. rod. 13 no. 7:1 JI '62.
- Sportmen vote for independent clubs. Kryl. rod. 13 no. 12:2 D '62.
- AERONAUTICS**
Facts, events, people. Kryl. rod. 13 no. 12:12-13 D '62.
Information from the aeronautical press. Grazhd. av. 19 no. 10:11 O '62.
Unbeaten track. O. Dokuchaeva, B. Kozarenko. Agitator no. 7:19-20 Ap '62.
- AERONAUTICS—ABSTRACTS**
[Air transportation] Ref. zhur. : Vozd. transp. nos. 2-3 F-Mr '63. Avtorskii ukazatel' za 1962 g.
- AERONAUTICS—BIBLIOGRAPHY** see Bibliography—Aeronautics
- AERONAUTICS—COMPETITIONS**
(see also subdivision under Bryansk; Poland)
Diligence. S. Ignat'ev. Kryl. rod. 13 no. 7:3 JI '62.
Facts, events, people. Kryl. rod. 13 no. 7:12-13 JI '62.
- AERONAUTICS—FLIGHTS**
At large slip angles. B. Markin. Av. i kosm. 45 no. 2:54-56 F '63.
Flight under difficult meteorological conditions. N. Skripko. Av. i kosm. 45 no. 2:6-13 F '63.
- AERONAUTICS—PSYCHOLOGY**
Danger of illusions. I. Pishchugin. Kryl. rod. 13 no. 12:20-21 D '62.
Some space orientation disorders in pilots during flight [with summary in English]. K. Kh. Korolenok, B. A. Iakubov. Vop. psikh. no. 6:63-68 N-D '62.
- AERONAUTICS—STUDY AND TEACHING**
Training of voluntary instructors. N. Ukolov. Kryl. rod. 13 no. 7:5 JI '62.
- AERONAUTICS, COMMERCIAL**
(see also subdivision under Azorbaljan; Virgin Territory)
Publicity, comparability, encouragement. A. Ermekev. Grazhd. av. 19 no. 12:5-6 D '62.
Work better, produce more. Grazhd. av. 10 no. 10:6 O '62.
- AERONAUTICS, COMMERCIAL—FINANCE**
"Much" does not yet mean "profitable." S. Kosolov. Grazhd. av. 19 no. 10:8-10 O '62.
- AERONAUTICS, COMMERCIAL—FLIGHTS**
Happy journey. V. Gol'isov, B. Vdovenko. Grazhd. av. 19 no. 10:14-15 O '62.
- AERONAUTICS, COMMERCIAL—TECHNOLOGICAL INNOVATIONS**
Office of innovations of commercial aviation. Grazhd. av. 19 no. 10:20 O '62.
- AERONAUTICS, MILITARY**
In a "flying cruiser." II'ia Klaz. Belarus' 20 no. 2:14 F '63.
- AERONAUTICS, MILITARY—OBSERVATIONS**
Additional reconnaissance of moving targets. A. Rmel'ianov. Av. i kosm. 45 no. 2:47-49 F '63.
- AERONAUTICS IN AGRICULTURE**
(see also subdivision under Amur Valley)
There is something to think over. A. Steplehev. Grazhd. av. 19 no. 10:16 O '62.
- AERONAUTICS IN FORESTRY**
Chemical forest pest control from the airplane: review of articles. Los, khoz. 15 no. 9:60-62 S '62.
- AERONAUTICS IN METEOROLOGY** see subdivision under Antarctic regions
- AERONAUTICS IN SURVEYING—ELECTRONIC EQUIPMENT**
Device for automatically recording local relief from an airplane during airborne geophysical surveys. V. F. Davydov. Razved. i okh. nedr. 20 no. 1:52-55 Ja '63.
- AEROSOL THERAPY**
Portable apparatus for producing aerosols and their use in veterinary medicine. N. A. Cherezhnev. Veterinariia 37 no. 7:78-80 JI '60.
Status of external respiration in patients with inflammatory suppurative diseases of the lungs under the influence of antibiotic aerosol treatment. P. S. Fedyshev. Klin. khir. no. 11:28-31 N '62.
Use of royal jelly preparation in the form of an aerosol for the treatment of eczema and other dermatoses. B. A. Somov, E. I. Abramova. Inform. bl. o mal. moloch. no. 3:120-123 '62.
- AEROSOLS**
Determining the distribution of aerosols by size, using the diffusion method [with summary in English]. N. A. Fuks, I. B. Stechkina, V. A. Starosel'skii. Inzh.-fiz. zhur. 5 no. 12:100-103 D '62.
Precipitation of zinc oxide in a low-frequency acoustic field. V. I. Nikitenko, V. I. Turubarov. Lakokras. mat. i kh. prim. no. 1:61-64 '63.
Theory of fibrous aerosol filters. N. A. Fuks, I. B. Stechkina. Dokl. AN SSSR 147 no. 5:1144-1148 D '62.

AEROSPACE TELEMETRY

"Radiotelemetry" by F. I. Barsukov, M. V. Maksimov. Reviewed by M. Bobnev. Av. i kosm. 45 no. 2:87-88 F '63.

AEROTHERAPY

Treatment of intestinal invagination by air inflation [with summary in English]. V. M. Porinol. Vest. khir. 80 no. 11:93-100 N '62.

AESTHETICS

The community center is a school of the beautiful. Lev. Kessel'. Kul't-pros. rab. 23 no. 9:20-23 S '62.

Kudin, V. A. [What art is] Shcho take mystetstvo. 2., dop. vyd. Kyiv, Derzh. vyd.-vo obrazovorechoho mystetstva i muzychnoi lit-ry, USSR, 1962. 53 p. (Bibliotekha z pytan' mystetstva)

AESTHETICS—BIBLIOGRAPHY see Bibliography—Aesthetics

AESTHETICS—STUDY AND TEACHING

Aesthetic training. V. Voloshin. Prof.-tekh. obr. 20 no. 1:26 Ja '63.

[Aesthetic training in schools] Esteticheskoe vospitanie v shkole; sbornik (iz pyta raboty). Leningrad, Uchpedgiz, 1962. 374 p.

More than theory is needed... Sh. S. Barim. Vech. sred. shkola 5 no. 5:73-74 S-O '62.

Nature of our homeland and aesthetic education of students. E. L. Turbina. Biol. v shkole no. 5:34-37 S-O '62.

School of culture in a construction school. N. Kostlukov. Prof.-tekh. obr. 20 no. 2:17-18 F '63.

Teach them to love beauty. Z. I. Trof'iakova. Vech. sred. shkola 5 no. 5:70-73 S-O '62.

Urgent problem. G. I. Grankin. Vech. sred. shkola 5 no. 6:62-63 N-D '62.

AFANASII, Bishop of Kovrov, 1887-1962

Bishop Afanasii; obituary. Zhur. Mosk. Patr. no. 12:15-17 D '62.

AFFORESTATION

(see also subdivision under Bashkiriya)
Characteristics of the design of machines and implements for the afforestation of cutovers. F. G. Stakheiko. Les. khoz. 15 no. 8:71-73 S '62.

New implements for afforestation on sandy soils. A. N. Nedashkovskii, V. E. Ivanitskii. Les. khoz. 15 no. 9:74-75 S '62.

State and growth of Scotch pine in planted stands as related to local conditions of the sites of mother trees. V. M. Orlova. Trudy Briam. tekhn. inst. 9:170-178 '60.

AFGHAN LANGUAGE—STUDY AND TEACHING

History of the study of the Afghan language. B. Z. Khalidov. Obshchestv. nauki v Uz. 6 no. 12:28-33 '62.

AFGHANISTAN—STATISTICS

Organization of statistics in Afghanistan. D. Koflako. Vest. stat. no. 2:57-60 '63.

AFINOGENOV, ALEKSANDR NIKOLAEVICH, 1904-1941

A. N. Afinogenov's play "The odd fellow." N. N. Varlamov. Uch. zap. MGPI [174]:241-258 '61.

AFRICA—ART, PRIMITIVE

Evolution of R. Linton's views on the art of the African peoples. G. A. Chernova. Nar. Az. i Afr. no. 1:183-188 '63.

AFRICA—BIBLIOGRAPHY

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 11 '62.

AFRICA—COLONIES

The last colonies in Africa. Agitator no. 3:34 F '63.

AFRICA—COMMERCE

Africa's foreign trade problem [with summary in English, pp. 257-258]. A. I. U. Shpirt. Nar. Az. i Afr. no. 1:41-49 '63.

The trade-union movement of trade workers in Africa. Domenico Bankieri. Sov. torg. 36 no. 1:38-43 Ja '63.

AFRICA—DANCING

Tunisia, Morocco, Ethiopia. Irina Tikhomirnova. Teatr 24 no. 1:124-126 Ja '63.

AFRICA—FOREIGN ECONOMIC RELATIONS—GERMANY, WEST

Bonn's "love" for Africa. I. Sivtsov. Az. i Afr. seg. no. 3:17-18 Mr '63.

AFRICA—FOREIGN ECONOMIC RELATIONS—UNITED STATES

American monopolies in Africa [with English summary in appendix]. D. Kostlukhin. Vnesh. torg. 43 no. 2:26-31 '63.

AFRICA—LABOR AND LABORING CLASSES

"Condition of the working class and labor movement in the countries of Asia and Africa, 1950-1961." Reviewed by M. M. Avsenov. Nar. Az. i Afr. no. 1:200-202 '63.

AFRICA—POLITICS

African states which became independent in 1962. A. Blok. Komm. Uz. 34 no. 12:80-83 D '62.

Africa's new image. V. Sidenko. Nov. vrem. 20 no. 11:28-29 Mr '63.

Asia and Africa in 1962. Nar. Az. i Afr. no. 1:3-28 '63.

Braginskii, M. I. [Liberation of Africa] Osvozhdenie Afriki. Moskva, Izd.-vo vostochnoi lit-ry, 1962. 195 p. Commentary and facts. N. Malysheva and others. Az. i Afr. seg. no. 2:50-53 F '63.

AFRICA—RAW MATERIALS

"The raw material resources of Africa, 1913-1959" by A. I. U. Shpirt. Reviewed by G. A. Kirichenko, E. N. Korotkova. Vest. AN SSSR 33 no. 2:134-136 F '63.

AFRICA—THEATER

Tunisia, Morocco, Ethiopia. Irina Tikhomirnova. Teatr 24 no. 1:124-126 Ja '63.

AFRICA—TRADE UNIONS

The trade-union movement of trade workers in Africa. Domenico Bankieri. Sov. torg. 36 no. 1:38-43 Ja '63.

AFRICA—YOUTH

Zaborskiy, L. [Young people of an awakened continent] "Tilist" rozbudzhennoho kontynentu. Kyiv, Molod', 1962. 50 p.

AFRICA, NORTH—ARABIC LANGUAGE—DIALECTS

Zavadovskii, I. N. [Arabic dialects of Magrib] Arabskie dialekty Magriba. Moskva, Izd.-vo vostochnoi lit-ry, 1962. 131 p. (Iazyki zarubezhnogo Vostoka i Afriki)

AFRICA, NORTH—HISTORY

"North Africa in the fourth and fifth centuries" by G. G. Diligenskiy. Reviewed by I. Sh. Shifman. Vop. ist. 38 no. 2:163-164 F '63.

AFRICA, NORTH—VANDALS

Vandals in Africa. N. I. Golubisova. Vop. ist. 38 no. 2:200 F '63.

AFRICA, SUB-SAHARAN—DESCRIPTION AND TRAVEL

Konichev, K. I. [There where the fetters of slavery are being torn] Tam, gde ryut okovy rabstva. [Leningrad] Lentsdal, 1962. 109 p.

AFRICA, WEST—SOCIAL CONDITIONS

Social differentiation in Mali and the adjacent regions of West Africa [with summary in English, p. 259]. A. B. Leinev. Nar. Az. i Afr. no. 1:74-84 '63.

AFRICAN STUDIES

(see also subdivision under United States)

Brief news on Afro-Asian studies. Nar. Az. i Afr. no. 1:252-254 '63.

AFRICAN STUDIES—BIBLIOGRAPHY see Bibliography—African studies

AFRICAN STUDIES—PERIODICALS see subdivision under Germany, West

AFSAR, SADIQ, b. 1533- or 4

Afshar, Sadiq. [Treatise on painting. Translated from the Persian] Gahn os-soyar (Traktat o zhivopisi). Vvedenie, porovod, kommentarii i primochaniia A. I. U. Kazlova. Baku, Izd.-vo Akad. nauk Azorbaidzhanskoi SSR, 1963. 99, 60 p. [In Russian and Persian]

AGE

Age-related changes occurring in a localized defensive unconditioned reaction in white rats. L. V. Komarov. Trudy Inst. vys. nerv. delat. Ser. fiziol. 7:279-287 '62.

AGED

Do you know? Okhr. truda i sots. strakh. 6 no. 2:21 F '63.

Social insecurity of aged workers and employees in capitalist countries. V. Acharkan. Sots. trud 8 no. 1:118-124 Ja '63.

AGED—DISEASES

Clinical aspect and treatment of acute peritonitis in old age [in Georgian with summary in Russian]. V. P. Otkhmezuri, R. I. Kurdgolisa. Trudy Tbil. GIDUV 9:239-245 '62.

Clinical aspects and pathology of primary rheumatic fever in elderly patients [with summary in English]. G. K. Alekseev, V. A. Kirillov, O. V. Shnyrankova. Vop. revm. 2 no. 3:77-81 Ji-S '62.

Osteoarthritis and elderly people [with summary in English]. Robert M. Stecher. Vop. revm. 2 no. 3:31-39 Ji-S '62.

AGGLUTININS

Anti-N agglutinins of plant origin; report no. 2. M. A. Potapov. Sud.-med. ekspert. 6 no. 1:30-34 Ja-Mr '63.

AGGLUTINOGENS

Identification of agglutinogens of the ABO isoserological system and P agglutinin in the body tissues of human fetuses. M. A. Bronnikova and others. Sud.-med. ekspert. 6 no. 1:37-39 Ja-Mr '63.

Identification of agglutinogens of the ABO isoserological system in the hair. N. N. Acharkan. Sud.-med. ekspert. 6 no. 1:21-28 Ja-Mr '63.

AGGREGATES

Duality of functors. A. S. Shvarts. Dokl. AN SSSR 148 no. 2:288-291 Ja '63.

Stochastic aggregates and problems of information theory [with summary in English]. V. V. Chavchavadze. Trudy Inst. fiz. AN Gruz. SSR 8:277-285 '62.

Symmetry of border ornaments in $n+1$ -dimensional space. T. Roman. Dokl. AN SSSR 147 no. 5:1038-1041 D '62.

Uniform distribution of points on a sphere and some ergodic properties of solutions to linear ordinary differential equations in the complex region. V. I. Arnold, A. L. Krylov. Dokl. AN SSSR 148 no. 1:9-12 Ja '63.

AGGREGATES (BUILDING MATERIALS)

Dressing fine aggregates in a hydroseparator. I. P. Stabin, V. G. Shirman. Stroi. mat. 9 no. 2:10-13 F '63.

AGING

Age-related changes in the membrane potential of striated muscle fibers. A. I. Novikova. Fiziol. zhur. 48 no. 12:1504-1506 D '62.

AGINSK STEPPE—COOKERY (DAIRY PRODUCTS)

Milk dishes among the Buryats of the Aginsk Steppe. D. B. Zhigmitov. Etn. sbor. no. 2:141-143 '61.

AGINSKIY DISTRICT—LABOR PASSPORTS

Thieves of time. Sov. profsoyuz 19 no. 3:27 F '63.

AGREEMENTS see Contracts

AGRICULTURAL ADMINISTRATION

(see also subdivision under Andizhan region; Enbekskiy-Kazakh District; Denau District; Dobrinka District; Lipetsk Province; Kagarlyk region; Kirovo-grad Province; Kolovsk District; Lazovskiy District; Leningrad District; Fergana; Mar'inka District; Nesvizh region; Orenburg Province; Rybnitsa region; Shakhrynsky region; Tambov Province; Tatarbunary District; Ust'-Labinsk District; Volgograd Province; Yangi-Yul' District)

"The building of communism in the U. S. S. R. and the development of Soviet agriculture" by N. S. Khrushchev. Vol. 5. Reviewed by K. Zaredev. Kommunist 39 no. 5:22-30 Mr '63.

A work of enormous importance. Agitator no. 7:2 Ap '62.

AGRICULTURAL CHEMICALS

(see also subdivision under Donetsk Province)

Koordinatsionnye soveshchaniya problemnoi komissii Ukrainskoi akademii sel'skokhoziaistvennykh nauk, 1961. Using trace elements, polymers, and radioactive isotopes in agriculture. Primenenie mikroelementov, polimerov i radioaktivnykh izotopov v sel'skom khoziaistvo; trudy soveshchaniia. [Otv. red. P. A. Vasiluk]. Kiev, Gosset'khosizdati USSR, No. 2, 1962. 241 p.

Make industrial wastes available to agriculture. A. Leskov. Plan. khoz. 40 no. 3:59-62 Mr '63.

Use of synthetic fatty acids in agriculture. K. F. Gromakovskii. Mash. -zhir. prom. 29 no. 1:38-39 Ja '63.

AGRICULTURAL CHEMISTRY

Agricultural chemistry. V. Dmitriev. Kommunist 39 no. 4:67-65 Mr '63.

AGRICULTURAL CONTRACTS see Contracts, Agricultural

AGRICULTURAL ENGINEERING—STUDY AND TEACHING

Each collective farmer should know the fundamentals of agricultural engineering. B. Stetsenko. Sots. kul't. no. 2:14-15 F '63.

We should organize the institutes of agricultural engineering. G. Shepelenko, S. Podlipenskii. Kommunist 39 no. 4:126-127 Mr '63.

AGRICULTURAL EXPERIMENT STATIONS see subdivision under Tolotai; Kazakhstan

AGRICULTURAL GEOGRAPHY see subdivision under Minusinsk Basin

AGRICULTURAL IMPLEMENTS

Machine for feed grinding. Inform. biul. VDNKH no. 2:44 F '62.

Points from agricultural journals. Tekh. v sel'khoz. 22 no. 12:87 D '62.

AGRICULTURAL JOURNALISM see Journalism, Agricultural

AGRICULTURAL LAWS AND LEGISLATION

Kozyr', M. I., ed. [The 22d Congress of the CPSU and the problems of collective farms and agricultural law] XXII s'ezd KPSS i problemy kollektivnogo i zemel'nogo prava; sbornik statei. Moskva, Gosizdat, 1962. 320 p.

More attention to the maintenance of agricultural equipment. S. Shyiko, A. Petrenko. Rad. pravo no. 5:49-52 S-O '62.

AGRICULTURAL LAWS AND LEGISLATION (Continued)

We should unrelentingly try to prevent the damage of field crops by farm animals. M. Bobrov. Rad.pravo no. 5:17-21 S-O '62.

AGRICULTURAL LIBRARIES see subdivision under Ulyanovka District

AGRICULTURAL MACHINERY

(see also subdivision under Leningrad Province; Lithuania; Ukraine)

As the tractor rolls, the grain grows. I. M. Kondratenko. Mekh. sil'. hosp. 13 no. 12:4-5 D '62.

Bushuev, N. M. [Seed-cleaning machines; theory, design, and calculations] Semeochistitel'nye mashiny; teoriya, konstruktsiya i raschet. Moskva, Mashgiz, 1962. 238 p.

Gitalov, A. V., N. M. Vesna, and V. R. Gubko. [Over-all mechanization of growing and harvesting farm crops] Kompleksnaya mekhanizatsiya vozdel'nyvaniya i uborki sel'skokhoziaistvennykh kul'tur. Moskva, Proftekhizdat, 1962. 271 p. (DNAL)

Gudkov, A. N. [Some problems of mechanization in agriculture] Nekotoryye problemy mekhanizatsii sel'skokhoziaistvennogo proizvodstva. Moskva, Sel'khozizdat, 1962. 45 p.

Machinery constructors to agriculture. Mashinostroitel' no. 1:9 Ja '63.

Mechanization of soil tilling operations. V. Frolov. Tekh. v sel'khoz. 22 no. 7:43-48 JI '62.

Mechanization of trenchless land drainage operations. V. Gorinskii. Tekh. v sel'khoz. 22 no. 7:88-92 JI '62.

A new cutter-type soil cultivator. A. Chernenkov, D. Efimov. Tekh. v sel'khoz. 22 no. 12:33-34 D '62.

New wide-cut machines. G. T. Mlagkov. Biul. tekhn. ekon. inform. Gos. nauch. inst. nauch. i tekhn. inform. no. 2:65-70 '63.

New working parts of a fodder distributing vehicle. V. Kolashnik. Tekh. v sel'khoz. 22 no. 12:21-23 D '62.

Parameters of the cutting unit of the drum of a silo loading machine of continuous operation. M. M. Muataev. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekhn. nauk no. 4:81-87 '62.

Points from agricultural journals. Tekh. v sel'khoz. 22 no. 12:87 D '62.

Rabinovich, A. Sh., V. I. Sal'mukov, and V. N. Vinokurov. [Self-sharpening working parts of machines] Samozatachivushchiesia rabochie organy mashin. [Moskva] Mosk. rabochii, 1962. 18 p. (Sovety molodomu mekhanizatoru)

Russia (1923- U. S. S. R.) Komitet po delam izobretenii i otkryti. [Collection of inventions; hoisting and transporting machinery for agriculture] Sbornik izobretenii i pod'emno-transportnyye sredstva dlia sel'skogo khoziaistva. Moskva, TSentr. biuro tekhn. informatsii, 1962. 67 p. (Sbornik otechestvennykh izobretenii)

Russia (1923- U. S. S. R.) Ministerstvo sel'skokhoziaistvennogo mashinostroeniia. [Agricultural machines and their spare parts; a manual] Sel'skokhoziaistvennye mashiny i zapasnye chasti k nim; spravochnik. 2., 1-apr. 1 dop. izd. Pod red. D. I. Solov'eva. Moskva, Mashgiz.

Book 1. [Machines for tillage, sowing, and planting, for plant protection, and for livestock farms] Mashiny dlia obrabotki pochvy, posева, i posadki, dlia zashchity rastenii i dlia zhivotnovodcheskikh ferm. 1953. 615 p.

System for automatic hitching trailers and harvesters. Tekh. v sel'khoz. 22 no. 7:51 JI '62.

The TPU-7, 0 loader-conveyor. P. Cherevko. Tekh. v sel'khoz. 22 no. 12:42-43 D '62.

Those who neglect machinery are going to be held responsible for it. M. Aravskii. Tekh. v sel'khoz. 22 no. 12:54 D '62.

Through the pages of agricultural journals. Tekh. v sel'khoz. 22 no. 7:93 JI '62.

The UTM-3M machine for digging narrow trenches. P. Nazarevskii. Tekh. v sel'khoz. 22 no. 7:49 JI '62.

The UVP-150 multiple-purpose vibratory loader. N. I. Polunin. Biul. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:69-70 '63.

Varying of the setting of the ditching attachment of a ditcher. A. Mamedov. Tekh. v sel'khoz. 22 no. 7:50-51 JI '62.

The workman is known by his work. P. I. Borodenchuk. Mekh. sil'. hosp. 13 no. 12:3-5 D '62.

AGRICULTURAL MACHINERY—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref. zhur.: Trakt. i sel'khoz. mash. i orud. no. 2 F '63.

AGRICULTURAL MACHINERY—BIBLIOGRAPHY see Bibliography—Agricultural machinery

AGRICULTURAL MACHINERY—ELECTRIC DRIVING

Electric drives of farm machinery. A. Abramov, V. Shmukov. Tekh. v sel'khoz. 22 no. 12:30-31 D '62.

AGRICULTURAL MACHINERY—EQUIPMENT AND SUPPLIES

A simple and handy profilograph. E. Kozlovskii. Tekh. v sel'khoz. 22 no. 12:75-78 D '62.

AGRICULTURAL MACHINERY—EXHIBITIONS

At the Exhibition of Achievements of the National Economy of the U. S. S. R. Zhivotnovodstvo 23 no. 5:41 My '61.

At the Exhibition of Achievements of the National Economy of the U. S. S. R. Zhivotnovodstvo 23 no. 8:67 Ag '61.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

(see also subdivision under Kazakhstan; Ukraine)

Build-up welding of the crawler track rollers using a high-manganese alloy. Tekh. v sel'khoz. 22 no. 12: 69 D '62.

Choice of the optimum size of a repair shop. V. Nikulin, M. Gutorovich. Tekh. v sel'khoz. 22 no. 12:55-57 D '62.

Conference and a study group on agricultural machinery repair. Tekh. v sel'khoz. 22 no. 12:70 D '62.

Controlling the quality of welding joints by using a magnetic flaw detector. P. T. Solon'ko. Mekh. sil'. hosp. 13 no. 12:9 D '62.

Effect of build-up welding and edge-knurling thickness on the fatigue strength of reconditioned agricultural machine shafts. L. I. Dekhtiar. Svar. proizv. no. 1: 20-22 Ja '63.

Grinding of cam sleeves on a lathe. O. Zlochevskii. Tekh. v sel'khoz. 22 no. 7:85-86 JI '62.

Lubrication of chain drives. V. Kalinin. Tekh. v sel'khoz. 22 no. 7:78-79 JI '62.

More attention to the maintenance of agricultural equipment. S. Shyiko, A. Petrenko. Rad.pravo no. 5:49-52 S-O '62.

Practices in repairing truck and tractor parts by build-up electric welding. V. T. Borshch. Mekh. sil'. hosp. 13 no. 12:6-9 D '62.

Preventing disrepair of machines as one of the most important tasks of the repair service. V. A. Shatilov. Biul. nauch. -tekhn. inform. SZNISKH no. 3:67-70 '58.

Solokha, A. A., P. A. Khrometski, and A. G. Filatov. [Quality control in repairing tractors and agricultural machines on collective farms] Kontrol' kachestva remonta traktorov i sel'skokhoziaistvennykh mashin v kol'khozakh. Moskva, Proftekhizdat, 1961. 166 p. (Biblioteka molodogo rabochego)

Use of epoxide glues for strengthening fixed connections. M. Krivevskii. Tekh. v sel'khoz. 22 no. 12:87-88 D '62.

AGRICULTURAL MACHINERY—MODELS

Experimental model with program control. M. Furman. Prof. -tekhn. obr. 20 no. 2:23 F '63.

AGRICULTURAL MACHINERY—STUDY AND TEACHING

Attention! People working. B. Buranov. Kul't. -pros. rab 23 no. 12:7-8 D '62.

Filmstrips in the lecture room. Kul't. -pros. rab 23 no. 12:14-15 D '62.

First steps. A. Smolakov. Kul't. -pros. rab 23 no. 12: 11 D '62.

Have you read... Kul't. -pros. rab 23 no. 12:13 D '62.

AGRICULTURAL MACHINERY—TESTING

Approximative method for investigating the mechanical characteristics of agricultural machines. V. I. Leont'ev, K. K. Khatkin. Nauch. trudy UzNIME no. 4:49-54 '59.

X rays and gamma rays in studying working processes of agricultural machines. S. K. Zolotarev. Biul. nauch. -tekhn. inform. SZNISKH no. 3:63-67 '58.

AGRICULTURAL MACHINERY—WELDING

Goniometer for welding operations. Sh. Parkis. Tekh. v sel'khoz. 22 no. 12:88-89 D '62.

AGRICULTURAL MACHINERY INDUSTRY see subdivision under Leningrad; Taganrog

AGRICULTURAL MACHINERY INDUSTRY—MANAGEMENT

Specialized agricultural machinery manufacturing. G. Fradkin. Plan. khoz. 40 no. 3:63-66 Mr '63.

AGRICULTURAL MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Lyubertsk

AGRICULTURAL MICROBIOLOGY

Present-day microbiology and the national economy. A. Imshenetski, Kommunist 39 no. 5:62-71 Mr '63.

AGRICULTURAL POLICY

(see also subdivision under Kazakhstan)

"The building of communism in the U. S. S. R. and the development of agriculture," by N. S. Khrushchev. Book review. Polit. samooobr. 6 no. 10:137-138 O '62.

A great program of the building of communism. Zhivotnovodstvo 23 no. 8:3-5 Ag '61.

Triumph of Lenin's great ideas. O. Rachkov. Koop. Kazakh. 5 no. 4:7-10 Ap '62.

AGRICULTURAL PRODUCTS see Produce trade

AGRICULTURAL RESEARCH see subdivision under Kamennaya Steppe; Russia, Northwestern

AGRICULTURAL RESEARCH—CONGRESSES

Zonal conferences of the workers of regional experimental demonstration farms. Zhivotnovodstvo 23 no. 8:33, 42 Ag '61.

AGRICULTURAL WAGES

(see also subdivision under Amur Province; Maritime Territory)

Establishment of work norms and payment of wages on collective and state farms. F. Khriplivyi, A. Riablinin. Komm. Mold. 7 no. 1:60-70 Ja '63.

Follow the principle of material self-interest on state farms consistently. K. Kondrat'ev, A. Mefakhov. Sots. trud 8 no. 2:45-51 F '63.

Placework bonus wage system and the organization of field crews in corn growing. V. Solomakhin. Sots. trud 7 no. 6:104-111 Je '62.

Russia (1917- R. S. F. S. R.) Upravlenie organizatsii truda i zarabotnoi platy. [Wages on state farms and other state agricultural enterprises; basic regulations and instructions on wages] Oplata truda v sel'skokhoziaistvennykh predpriatiiakh; sbornik osnovnykh polozhenii i ukazanii po oplate truda. Moskva, Izd-vo MSKh RSFSR, 1962. 483 p.

To state farm workers. Sov. profsoiuzy 10 no. 3:28 F '63.

Volkov, V. F., and A. K. Malakhov. [Wages on state farms] Oplata truda v sel'skokhoziakh. Moskva, Gosizdat, 1962. 137 p.

Wage systems and work norms on state farms. M. Nikitin. Sots. trud 7 no. 6:111-117 Je '62.

AGRICULTURAL WORKERS

(see also subdivision under Altai Territory)

The amount of work has been cut in half. L. Gorshkov, S. Kocher, A. Filippov. Tekh. v sel'khoz. 22 no. 12: 24-26 D '62.

"As a slender birch in your backyard." D. Ivashchenko. Mol. komm. no. 5:83-91 My '62.

Those who neglect machinery are going to be held responsible for it. M. Aravskii. Tekh. v sel'khoz. 22 no. 12:54 D '62.

AGRICULTURAL WORKERS—BIBLIOGRAPHY see Bibliography—Agricultural workers

AGRICULTURAL WORKERS—DISEASES AND HYGIENE

see subdivision under Mashevka District

AGRICULTURAL WORKERS—EDUCATION AND TRAINING see subdivision under Bukhara Province; Pavlodar Province

AGRICULTURE

(see also subdivision under Altai Territory; Belnya Taerkov' District; Galich District; Golodnaya Steppe; Kabardino-Balkar A. S. S. R.; Kazakhstan; Moscow Province; Polesye; Russia, Northwestern; Ukraine; Uzbekistan; Vinnitsa Province; Yaroslavl Province)

The assault front; on the occasion of the publication of the fourth volume of N. S. Khrushchev's "Building of communism in the U. S. S. R. and the development of agriculture." Agitator no. 4:14-18 F '63.

Basic problem of agriculture. P. Kravt. V mire knig 2 no. 10:12-13 O '62.

Biology and Soviet farming. M. Ol'shanskii, Kommunist 30 no. 4:14-20 Mr '63.

The building of communism in the U. S. S. R. and agricultural development. Ekon. sel'khoz. 34 no. 2:3-13 F '63.

"The building of communism in the U. S. S. R. and the development of Soviet agriculture" by N. S. Khrushchev. Vols. 1-2. Reviewed by M. Khasanov. Komm. iz. 34 no. 12:87-90 D '62.

"The building of communism in the U. S. S. R. and the development of Soviet agriculture" by N. S. Khrushchev. Vol. 3. Reviewed by K. Zarodov. Kommunist 39 no. 5:22-30 Mr '63.

"The building of communism in the U. S. S. R. and the development of Soviet agriculture. Vols. 1-3." By N. S. Khrushchev. Reviewed by G. I. Grebennikov, P. I. Ilnikov. Vop. ist. KPSS 7 no. 1:120-128 Ja '63.

[Calendar for farmers, 1963] Sel'skii kalendar' 1963. Moskva, Sel'khozizdat, 1963. 190 p. (DNAL)

"Collected works." Vol. 40 by V. I. Lenin. Reviewed by A. Morozov. Polit. samooobr. 6 no. 10:133-137 O '62.

Contribution of the social sciences to agriculture. G. A. Chigrinov. Vest. vys. shkoly 21 no. 2:80-82 F '63.

Heading for spring. Sov. Soizuz no. 3:7 '63.

Krasavin, N. N. [Ways to improve the economic efficiency of the use of land in agriculture] Puti povysheniia ekonomicheskoi effektivnosti ispol'zovaniia zemli v sel'skom khoziaistve. Moskva, Ekonomizdat, 1962. 132 p.

Labor productivity should be increased and production costs decreased. Tekh. v sel'khoz. 22 no. 7:1-3 JI '62.

Letters, information, comments. Agitator no. 4:53-54 F '63.

Letters, information, comments. U. Shkirlit'auze and others. Agitator no. 5:56-58 Mr '63.

On the intensification of agriculture. I. Buzdalov. Vop. ekon. no. 1:63-72 Ja '63.

AGRICULTURE (Continued)

Shulgin, A. M. [Snow cover and its use in agriculture] *Snezhnyi pokrov i ego ispol'zovanie v sel'skom khoziaistve*, Leningrad, Gidrometizdat, 1962. 82 p. (DNAL)

Shuralov, V. D., K. S. Starovoltov, and I. A. M. Ginzburg. [Ways for improving agriculture in the non-Chernozem zone] *Puti pod'ema sel'skokhoziaistva nechernozemnoi zony*. Moskva, Ekonomizdat, 1962. 162 p. (DNAL)

Task of the whole nation. *Koop. Kazakh.* 5 no. 4:3-6 Ap '62.

To the First Secretary of the Central Committee of the CPSU, President of the Council of Ministers of the U.S.S.R., Nikita Sergeevich Khrushchev, Irina Kur'ist and others. *Nach. shkola* 31 no. 1:2 Ja '63.

Toward new accomplishments in agriculture. *Tekh. v sel'khoz.* 22 no. 12:1-4 D '62.

AGRICULTURE—ACCIDENTS

Agricultural traumatism from the viewpoint of forensic medicine. V. M. Maslov. *Sud.-med. ekspert.* 6 no. 1: 55-56 Ja-Mr '63.

Syzganov, A. N. [Control of agricultural traumatism; methodological instructions for rural medical workers] *Por'ba s sel'skokhoziaistvennym travmatizmom; metodicheskie ukazaniia sel'skim meditsinskim rabotnikam*. Izd. 2. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 32 p. (DNAL)

AGRICULTURE—ACCOUNTING

(see also subdivision under Lom, Bulgaria)

Methodology of the economic analysis of the administrative operations of collective and state farms. T. Mitushkin. *Ekon. sel'khoz.* 34 no. 2:35-46 F '63.

AGRICULTURE—AUDITING AND INSPECTION see subdivision under Mogilev Province

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—COSTS

Reduction of production costs is a source of the growth of social wealth. I. S. Pankov, A. Frolov. *Polit. samoochr.* 7 no. 1:118-127 Ja '63.

AGRICULTURE—ECONOMIC ASPECTS

(see also subdivision under Altai Territory; Kazakhstan; Moldavia; Rumania; Saratov Province; Virgin Territory)

Improving production relations between agriculture and industry. M. Lemeshev. *Plan. khoz.* 40 no. 3:31-39 Mr '63.

Our potentials are unlimited; figures and facts. *Agitator* no. 7:12-14 Ap '62.

Training of the rural school students in economics. E. S. Milanova. *Shkola i prozv.* 7 no. 1:11-15 Ja '63.

AGRICULTURE—ECONOMIC ASPECTS—BIBLIOGRAPHY see Bibliography—Agriculture—Economic aspects

AGRICULTURE—EXPERIMENTATION

(see also subdivision under Kyzyl-Orda Province; Tainov Province)

Combining biology instruction with practical work of students on a school lot. D. P. Shirokikh, I. F. Negin-skala. *Biol. v shkole* no. 5:45-48 S-O '62.

Experimental work of a student brigade. N. Argutina. *Shkola i prozv.* 6 no. 8:90 Ag '62.

Experimental work on a school lot. I. Tugutova. *Shkola i prozv.* 7 no. 1:91-92 Ja '63.

Experiments on winter sowing of spring crops. R. M. Valcov. *Biol. v shkole* no. 6:53-57 N-D '62.

AGRICULTURE—FINANCE

(see also subdivision under Georgia)

Edel'shtein, I. V., V. A. Duldilov, and M. S. Levin. [Financing and issuing credit to agricultural enterprises] *Finansirovanie i kreditovanie sel'skokhoziaistvennykh predpriatii*. Kiev, Gosstatkhizdat USSR, 1962. 347 p.

Transferring to a business accounting basis is to be effected in the new year. *Uchet i fin. v kol'khoz. i sov. khoz.* 20 no. 1:2-3 Ja '63.

AGRICULTURE—LABOR PRODUCTIVITY

(see also subdivision under Leningrad Province; Moldavia)

Akademiia nauk URSS, Kiev, Institut ekonomiki. [Labor productivity and hidden potentials for increasing it in socialist agriculture] *Produktivnost' i rezervy ts pod'vyscheniia v sotsialisticheskoi sel'skomu hospodarstvu*. Kyiv, Vyd-vo AN URSS, 1962. 254 p. (Problemy komunisticheskoi budivnytsstva v avitil' rishon' XXII z'lyda KPRS)

Increasing labor productivity is a road to prosperity. F. Koval'. D. Pushko. *Komm. Mold.* 7 no. 1:56-60 Ja '63.

A most important task of the government. E. Karnaukhova. *Agitator* no. 5:12-17 Mr '63.

Over-all mechanization is the best way to increase the productivity of labor on Soviet farms. M. Voronkevych, L. Hamalaha, V. Kotelnetski. *Komm. Ukr.* 37 no. 5: 84-87 My '62.

Role of technological progress in the growth of agricultural labor productivity. S. Kolesnev. *Sots. trud* 7 no. 6:13-23 Je '62.

AGRICULTURE—MAPS

(see also subdivision under East European Plain)

From the experience of working on the map of the "Central Region" for the Agricultural Atlas of the U.S.S.R. L. A. Bogdanova. *Geod. i kart.* no. 12:50-54 D '62.

Some problems in contour and topographic surveys for agricultural purposes. M. E. Nekhoroshev. *Geod. i kart.* no. 1:75-78 Ja '63.

AGRICULTURE—PRODUCTION STANDARDS

Pedagogical basis of the work norms for students. A. D. Sazonov. *Shkola i prozv.* 7 no. 1:5-7 Ja '63.

AGRICULTURE—SAFETY MEASURES

Belerev, M. M., and M. M. Bol'shov. [How to protect oneself from accidents] *Kak predosterech' sebja ot neschasliivogo sluchaiia*. Moskva, Sel'khozizdat, 1963. 51 p. (DNAL)

AGRICULTURE—STATISTICS

Planting acreage of the U.S.S.R. in 1962. E. Kravchenko. *Vest. stat.* no. 2:43-48 '63.

AGRICULTURE—STUDY AND TEACHING

(see also subdivision under Chuvashia; Kursk Province; Kuybyshev Province; Poland)

Address: the conscience of man. L. Tseboeva. *Kul't.-pros. rab.* 23 no. 12:23 D '62.

After graduation they return to their collective farms. V. S. Kotlov. *Shkola i prozv.* 6 no. 9:17-19 S '62.

Educational influence of the instruction and practical work. D. Arzamashev. *Shkola i prozv.* 6 no. 8: 90-91 Ag '62.

Everybody's concern. *Klub* 11 no. 4:3 Ap '62.

Forming the feeling of collectivism during the work process in a student brigade. B. M. Rebus. *Shkola i prozv.* 6 no. 9:21-25 S '62.

In the campaign for the improvement of agriculture. N. Neoterenko. *Kul't.-pros. rab.* 23 no. 6:16-18 Je '62.

It'll come in handy in life. I. Zheleznev. *Shkola-int.* no. 6:47 N-D '62.

The light of the "beacons." I. Tsegradskii. *Kul't.-pros. rab.* 23 no. 4:25-26 Ap '62.

On the most important. E. Brand. *Sred. spets. obr.* 9 no. 12:23-27 D '62.

Practical work in plant growing. F. L. German. *Biol. v shkole* no. 5:53-59 S-O '62.

Stimulating the work of students. S. Dem'ianchuk. *Shkola i prozv.* 6 no. 8:89-90 S '62.

Students master their vocations. V. M. Kazantsev. *Vech. sred. shkola* 6 no. 5:52-53 S-O '62.

System of student work in the growing of agricultural plants. T. A. Kozlova. *Biol. v shkole* no. 6:43-47 N-D '62.

Teaching the fundamentals of plant growing. I. F. Razdy-maia. *Shkola i prozv.* 7 no. 1:19-21 Ja '63.

Training of agricultural laboratory technicians in rural secondary schools. V. A. Chichkov, L. E. Sheinova. *Shkola i prozv.* 6 no. 9:26-30 S '62.

Work of a student brigade. A. Deniknev. *Shkola i prozv.* 6 no. 9:90-91 S '62.

AGRICULTURE—TECHNOLOGICAL INNOVATIONS

Special exhibitions and reviews. *Inform. biul. VDNKH* no. 2:29-33 F '62.

AGRICULTURE, COOPERATIVE

(see also subdivision under Europe, Eastern; Kirghizistan; Korea, North; Mongolia; Selenga Valley, Mongolia)

Pekker, Ia. I. [Socialist transformation of agriculture] *Sotsialisticheskoe preobrazovanie sel'skogo khoziaistva*. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 93 p. Vital force of the Lenin cooperative plant. M. I. Iin. *Polit. samoochr.* 6 no. 10:31-40 O '62.

AGRICULTURE, PRIMITIVE see subdivision under Fergana

AGRICULTURISTS

(see also subdivision under Uzbekistan)

[Agronomist] *Agronom.* [By] M. Shipilov i dr. [Moskva] Mosk. rabochii, 1962. 57 p.

AGZHABEDI DISTRICT—ANTIQUITIES

New archaeological discoveries in different layers of an ancient site [in Azerbaijani with summary in Russian]. G. A. Ablova, Sh. G. Sadykh-zade. *Trudy Muzeia ist. Azerb.* 5:31-39 '62.

AIR

Air. A. E. Dobrovol'skii. *Nach. shkola* 31 no. 1:44-47 Ja '63.

AIR—ANALYSIS

Determination of phosphamide (0,0-dimethyl-S-methylcarbamidomethylidithiophosphate) in air [with summary in English]. M. A. Kisevko. *Zhur. anal. khim.* 17 no. 9:1114-1116 D '62.

Rapid method for determining acetylene in the air of closed spaces. P. I. Drut'saa. *Sudostroenie* 29 no. 2: 62 F '63.

AIR—POLLUTION see subdivision under Indian Ocean; Pacific Ocean

AIR—PURIFICATION

Reducing the gas content of a foundry atmosphere during electric arc furnace operations. V. P. Migal. *Lit. proizv.* no. 7:42 Ji '62.

AIR BRAKES—MODELS

Operating model of a pneumatic brake. A. Ia. Vlasov. *Shkola i prozv.* 6 no. 9:60-61 S '62.

AIR COMPRESSORS

MK-19/64 diaphragm compressor. S. M. Altukhov. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 2:18-20 '63.

Regulation of piston compressors. V. V. Gusev. *Bezop. truda v prom.* 7 no. 1:29-30 Ja '63.

AIR CONDITIONING

Air conditioning in pneumatic malting. L. S. Donin. *Spirt. prom.* 29 no. 1:13-17 '63.

Akademiia budivnytsva i arkhitektury URSS, Nauchno-issledovatel'skii institut sanitarnoi tekhniki i oborudovaniia zdani i sooruzhenii. [Heating, ventilation, and air conditioning systems] *Sistemy otopeniia, ventilatsii i konditsionirovaniia*. Pod obshelei red. B. N. Lobacheva. Kiev, Gosstatkhizdat USSR, 1962. 86 p.

Arkhypov, G. V. [Automatic control of air conditioning] *Avtomaticheskoe regulirovanie konditsionirovaniia vozdukh.* [Moskva] Profizdat, 1962. 343 p.

Dynamics of automatic control systems for air conditioning units. M. M. Khasanov. *Dokl. AN Tadzh. SSR* 3 no. 5:9-16 '60.

AIR CONDITIONING—CONGRESSES

Inter-republic conference on air conditioning in industrial, public and residential buildings. *Vod. i san. tekhn.* no. 2: 40-3 of cover F '63.

AIR CONDITIONING—EQUIPMENT AND SUPPLIES

Russia (1917- R. S. F. S. R.) *Glavnoe upravlenie sanitarno-tekhnicheskogo montazha*. [Instructions for testing and adjusting air-conditioning systems] *Instruktsiia po ispytaniu i nalazke sistem konditsionirovaniia vozdukh.* Urv. 6 dekabria 1961 g. Moskva, Tsent. biuro tekhn. informatsii. *Tekhn. upr.*, 1962. 100 p. nomogra.

AIR CURTAINS

Mathematical analysis of air curtains. M. I. Fil'mei. *Vod. i san. tekhn.* no. 2:12-13 F '63.

AIR DEFENSES

Ekonov, I. A. [Sentinels of the sky] *Chasovye neba*. Moskva, Izd-vo "DOSAAF," 1962. 100 p.

AIR-ENTRAINED CONCRETE

Large air-entrained concrete elements made with a mixed binder. Iu. M. Chumakov, N. N. Skubarenko. *Stroi. mat.* 9 no. 2:19-22 F '63.

Quality of cellular concrete can be guaranteed. B. Perminov. *Na stroi. Ros.* 3 no. 12:17-20 D '62.

Single-layer slabs made of nonautoclaved air-entrained fly-ash concrete. A. A. Barinov and others. *Stroi. mat.* 9 no. 2:22-23 F '63.

Use of air-entraining admixtures in the concrete of hydraulic structures. S. M. Pavzner. *Transp. stroi.* 12 no. 9:31-32 S '62.

AIR FILTERS

Selecting the type of air filter for powerful diesel and gas-turbine locomotives. V. D. Kuz'mich. *Trudy MIIT* no. 151:102-111 '62.

AIR FLOW—TESTING

Testing and regulating ship ventilation systems by means of diaphragms. A. P. Shegolev. *Sudostroenie* 29 no. 2:58-59 F '63.

AIR PILOTS

The group is ready for flight. Iu. Belinev. *Kryl. rod.* 13 no. 12:3-4 D '62.

Iakovlev, S. M. [Our winged fellow countrymen; biographical sketches of Smolensk people active in Soviet aviation, aeronautics and space flight] *Nashi krylatye zemliaki; bibliograficheskie ocherki o smolenskikh - doistoiakh otechestvennoi aviatsii, vozdukhoplavaniia i kosmonavtiki*. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 195 p.

It happened in Nokol'noe. S. Maslennikov. *Kryl. rod.* 13 no. 12:4-5 D '62.

Marinskii, E. P. [Fifteen centimeters to earth] *Do Zemli 15 santimetrov*. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, X Seriia; Molodezhnata, no. 3)

On weekdays and on holidays. I. Arakhan. *Grazhd. av.* 19 no. 12:26 D '62.

Wormhole. P. Amant. *Grazhd. av.* 19 no. 12:26-27 D '62.

AIR RAID SHELTERS see subdivision under United States

AIR TRAVEL see subdivision under Cuba

AIR WARFARE

Tactical skill of an air pilot. Part 2: In an airplane over a battlefield. D. Tormakhov. Av. i kosm. 45 no. 2: 42-46 F '63.
Tactical training of the flight personnel in antishubmarine aviation. A. G. Kiklevich. Mor. sbor. 46 no. 2: 56-59 F '63.

AIRBORNE TROOPS

Mikhailov, A. D. [Airborne troops; based on materials in the foreign press] Vozdushnye desanty; po materialam inostrannoi pechati. Moskva, Voenizdat, 1962. 138 p.

AIRLINES

(see also subdivision under India; Sochi)
In flight as at home. Grazhd. av. 19 no. 10: 19 O '62.

AIRLINES—ACCOUNTING

If income is not planned. P. Levin. Grazhd. av. 19 no. 12: 9 D '62.

AIRLINES—TIMETABLES

The timetable is law. G. Schetchnikov. Grazhd. av. 19 no. 12: 2-4 D '62.
Russia (1923- U. S. S. R.) Glavnoe upravlenie grazhdanskogo vozdukhodnogo flota. [Timetables of flights; international lines] Raspiisaniye dvizheniya samoletov; mezhduarodnyye linii. [n. p. Parallel texts in Russian and English]
No. 1. [Winter 1961-1962] Zhma. 1961-1962. 39 p. [PHOTOCOPY]

AIRPIPES—TESTING

Coefficients of resistance of standardized ventilation tees on exhaust air ducts. L. B. Uspenskaya. Vod. i san. tekhn. no. 2: 16-19 F '63.

AIRPLANE INDUSTRY WORKERS

Iakovlev, S. M. [Our winged fellow countrymen; biographical sketches of Smolensk people active in Soviet aviation, aeronautics and space flight] Nashi krylatye zemliaki; bibliograficheskie ocherki o smolensakh - delateliakh otechestvennoi aviatsii, vozdukhoplavanii i kosmonavtiki. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 195 p.

AIRPLANES—ELECTRONIC EQUIPMENT

Radio and radar on an airplane. N. Leonov. Kryl. rod. 13 no. 12: 25-27 D '62.

AIRPLANES—ENGINES

Kuz'min, G. A. [Design of aircraft engines] Konstruktsiya aviatsionnykh dvigatелеi. Moskva, Oborongiz, 1962. 442 p.

AIRPLANES—ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur. : Av. i raket. dvig. nos. 1-3 Ja-Mr '63.

AIRPLANES—FUEL

Bol'shakov, G. F., and E. A. Gilevskaya. [Heterogeneous organic compounds of jet propulsion fuels] Geteroorganicheskie soedineniya reaktivnykh topliv. Leningrad, Gostoptekhlizdat, 1962. 219 p.

AIRPLANES—JET PROPULSION

In the pursuit of "supersonic" profit. I. Lushnikov. Mir. ekon. i mezhduar. otn. no. 1: 101-103 '63.

AIRPLANES—MAINTENANCE AND REPAIR

After the repair. V. Nekhoroshev, A. Tyurin. Av. i kosm. 45 no. 2: 61-63 F '63.
Over-all inspection of airplane equipment. G. Mikhailenko, I. Chichirko, S. Burdin. Av. i kosm. 45 no. 2: 57-60 F '63.
You cannot fly far with only one propeller. I. Butin. Grazhd. av. 19 no. 12: 21 D '62.

AIRPLANES—MODELS

(see also subdivision under Udmurt A. S. S. R.)
Airplane-modeling laboratory at an aeronautical club. Kryl. rod. 13 no. 12: 22 D '62.
Build models of airplanes. Kryl. rod. 13 no. 7: insert Ji '62.
Competition is again ahead. L. Rusin. Kryl. rod. 13 no. 7: 26-27 Ji '62.
Favorite sport of students. Z. Davydov. Kryl. rod. 13 no. 12: 9 D '62.
For airplane-model makers. Kryl. rod. no. 12: insert D '62.
Ura Repin's record. V. Kumanin. Kryl. rod. 13 no. 7: 28 Ji '62.
The KMTS-7 compressed-gas engine. K. Tsurkov. Kryl. rod. 13 no. 7: 28 Ji '62.
Kumanin, V. V. [Airplane models with rubber motors] Modeli samoletov s rezinovymi dvigatelami. Moskva, Izd-vo DOSAAF, 1962. 92 p.
Let us consider the engine-propeller unit. I. Radchenko. Kryl. rod. 13 no. 7: 26-27 Ji '62.
The MK-128 engine with glow ignition. B. Taradeev. Kryl. rod. 13 no. 12: 22 D '62.
Natalenko, V. P. [Models flying on cords] Kordovye letalushchie modeli. Moskva, Izd-vo DOSAAF, 1962. 63 p. (Biblioteka lunogo konstruktora)

Resultant models. Kryl. rod. 13 no. 12: 23 D '62.

Results of tests. Kryl. rod. 13 no. 7: 29 Ji '62.

AIRPLANES—RADIO EQUIPMENT

Checking radio stations. B. Nikitin. Av. i kosm. 45 no. 2: 84-86 F '63.
Should you raise the antenna. V. Bogdanov. Grazhd. av. 19 no. 10: 21 O '62.

AIRPLANES, MILITARY

Military transport planes. B. Pestrov. Av. i kosm. 45 no. 2: 79-82 F '63.

AIRPLANES, MILITARY—ARMAMENT

Control equipment for air-to-air rockets. M. Kozlovskii. Av. i kosm. 45 no. 2: 73-78 F '63.

AIRPORTS

(see also subdivision under Domodedovo; Moscow; Vnukovo)
How have you been received, comrades? Grazhd. av. 19 no. 10: 31 O '62.

AIRPORTS—BUILDINGS

Air transportation must have modern passenger buildings. G. Golubev. Sov. arkh. no. 14: 69-80 '62.

AIRPORTS—COLD WEATHER CONDITIONS

Landing on ground. N. Krasnov. Grazhd. av. 19 no. 10: 16 O '62.

AIRPORTS—FIRES AND FIRE PREVENTION

Motor vehicles for airports. A. Rode. Grazhd. av. 19 no. 12: 22 D '62.

AIRPORTS—TECHNOLOGICAL INNOVATIONS

see subdivision under Tashkent

AKATZIRI see Khazars

AKHMEDOV, RAKHIM

Portraits painted by Rakhim Akhmedov. A. Umarov. Iskusstvo 25 no. 11: 32-37 '62.

AKHMETA DISTRICT—BEECH

Reproduction of beech in cutovers as related to the type of the forest and various intensity of cuttings at the Akhmeta Forest Working Circle. I. D. Popov. Trudy Inst. lesa AN Gruz. SSR 11: 153-168 '62.

AKHMETA DISTRICT—FOREST REPRODUCTION

Reproduction of beech in cutovers as related to the type of the forest and various intensity of cuttings at the Akhmeta Forest Working Circle. I. D. Popov. Trudy Inst. lesa AN Gruz. SSR 11: 153-168 '62.

AKHTALA REGION (ARMENIA)—MINERALOGY

Mineralogy of ores in the Akhtala complex metal deposit. V. O. Paronikyan. Izv. AN Arm. SSR. Geol. i geog. nauki 15 no. 6: 3-12 '62.

AKHTALA REGION (ARMENIA)—ORE DEPOSITS

Mineralogy of ores in the Akhtala complex metal deposit. V. O. Paronikyan. Izv. AN Arm. SSR. Geol. i geog. nauki 15 no. 6: 3-12 '62.

AKMOLINSK see Tselinograd

AKTYUBINSK—IRON INDUSTRY

Consolidate planning departments. V. Kozlovskii. Nar. khoz. Kazakh. 20 no. 12: 29-30 D '62.

ALA-TAU, TALAS see Talas Ala-Tau

ALA-TAU, TERSKEI see Terskei Ala-Tau

ALA-TAU, ZAILIYSKIY see Trans-Ili Ala-Tau

ALAGEZ, MOUNT see Aragats, Mount

ALAR REGION—BURYATS

The legend on the origin of the Buryats in the Alar region. G. N. Rumiantsev. Etn. sbor. no. 2: 115-128 '61.

ALASKA—FIELD MICE

Taxonomic characteristics of the red-backed bank vole Chlethrionomys rutilus from the subarctic areas of North America. V. N. Bol'shakov, S. S. Shvarts. Trudy Inst. biol. UFAN SSSR no. 28: 53-56 '62.

ALBANIA—CATTLE BREEDING

Cattle in Albania and ways for its improvement. Chelo Tare. Zhivotnovodstvo 23 no. 5: 88-94 My '61.

ALBEGOR, KHARITON ANDREEVICH

Lecturer at a people's university. N. Andrianova. Kul't. -pros. rab. 23 no. 6: 33 Je '62.

ALBITITE

Albite pegmatites and their genesis. N. A. Solodov. Trudy Min. muz. no. 13: 108-127 '62.

ALCOHOL IN THE BODY

Retention of alcohol in corpses submerged in water for a long time. V. S. Zhitkov. Sud. -med. ekspert. 6 no. 1: 8-10 Ja-Mr '63.

ALCOHOLICS

Acute alcoholic paranoias. L. V. Kaveshnikova. Prak. sudobnopsikh. ekspert. no. 6: 46-51 '62.

ALCOHOLISM

The bottle will wound you with a poisonous sting. Ukraina no. 1: 28 Ja '63.
Different approach to expert evaluation of the state of alcoholic intoxication. G. F. Glushko. Prak. sudobnopsikh. ekspert. no. 6: 41-45 '62.
Forensic psychiatric expertise on simple and pathological intoxication. L. A. Benjamins-Markis. Sud. -med. ekspert. 6 no. 1: 45-48 Ja-Mr '63.
Some principles for the diagnosis of pathological drunkenness. I. A. M. Kalashnik. Prak. sudobnopsikh. ekspert. no. 4: 50-57 '61.
Wrong diagnosis of alcoholic paranoia. N. I. Mogilina. Prak. sudobnopsikh. ekspert. no. 4: 58-64 '61.

ALCOHOLISM—TREATMENT

Aminazine treatment of acute alcoholic psychoses [with summary in English]. A. G. Gofman. Trudy Gos. nauch. -issl. inst. psikh. 35: 335-344 '62.
Experience in the use of neuroleptic drugs as a therapy in acute alcoholic hallucinations and acute paranoia developed in alcoholics under traveling conditions [with summary in English]. A. S. Bobrov. Trudy Gos. nauch. -issl. inst. psikh. 35: 320-334 '62.

ALCOHOLS

Condensation of guanacol with unsaturated alcohols in the presence of phosphoric acid. A. I. Kakhnashvili, D. S. Pardzhikho, M. L. Kantaria. Zhur. ob. khim. 33 no. 2: 667-673 F '63.

Oxyethylation of synthetic alcohols in order to improve the properties of monomolecular layers depressing the evaporation of water. V. A. Ogarev, A. A. Trapeznikov. Dokl. AN SSSR 148 no. 3: 847-850 Ja '63.

Preparation of C₈ - C₁₂ α-olefins by catalytic dehydration of primary alcohols. L. Kh. Froidin and others. Neftekhim. 3 no. 1: 10-12 Ja-F '63.

Synthesis and transformations of unsaturated organosilicon compounds. Part 10: Synthesis and properties of some secondary γ-silicon-containing acetylenic alcohols. I. A. Shikhov, I. A. Aslanov. Zhur. ob. khim. 33 no. 2: 377-379 F '63.

ALCOHOLS—SPECTRA

Sensibilization of the photoreaction of alcohol dehydrogenation at 77° K studied by means of electron paramagnetic resonance. V. E. Kholmogorov, E. V. Baranov, A. N. Terenin. Dokl. AN SSSR 149 no. 1: 142-145 Mr '63.

ALDEHYDES

Chemistry of vinylacetylene. Report No. 30: Condensation of vinylacetylene and isopropenylacetylene with aldehydes and ketones in the presence of a caustic potash powder without solvent. S. A. Varianian, V. N. Zhamagortseian, Sh. O. Badanlan. Izv. AN Arm. SSR. Khim. nauki 16 no. 5: 449-454 '62.
Mechanism of the condensation of enamines with aldehydes. N. V. Volkova, A. A. Isenkov. Dokl. AN SSSR no. 1: 94-96 Mr '63.

ALDOLASE

Activity of serum glutaminoxalatoacetic transaminase and aldolase in acute epidemic hepatitis. O. A. Dunaevskii. Vrach. delo no. 1: 88-89 Ja '63.

ALEKSANDRIYA DISTRICT—LOCAL GOVERNMENT

Workdays of a district soviet. N. Bondarenko. Agitator no. 4: 23-24 F '63.

ALEKSANDROV, ANATOLII PETROVICH, 1903-

Anniversary of Academician A. P. Aleksandrov. Atom. energ. 14 no. 3: 247-248 Mr '63.

ALEKSEEV, MIKHAIL NIKOLAEVICH

"Cherry whirlpool" by M. Alekseev. Reviewed by N. Sergovantsev. V mire knig 2 no. 10: 21 O '62.

ALEKSEYEVKA (TSELINOGRAD PROVINCE)—BOOK-SELLERS AND BOOKSELLING

First, experimental... M. Borisov. Koop. Kazakh. 5 no. 4: 28-29 Ap '62.

ALEKSI, Patriarch of Russia, 1877-

Celebration of the 85th birthday of His Holiness Patriarch Aleksii. N. Ivanov. Zhur. Mosk. Patr. no. 1: 5-10 Ja '63.

Congratulations received by His Holiness Patriarch Aleksii on the occasion of his 85th birthday. Zhur. Mosk. Patr. no. 12: 5-11 D '62.

His Holiness Patriarch Aleksii. K. I. Ruzhitskii. Zhur. Mosk. Patr. no. 1: 62-72 Ja '63.

Presentation of the Soviet State's Award to His Holiness Patriarch Aleksii. Zhur. Mosk. Patr. no. 12: 11 D '62.

ALFALFA

Effect of mineral fertilizers on the humification of alfalfa roots and manure in Siberia; based on pot experiments [with summary in English]. F. A. Seriatin. Pochvovedenie no. 12: 91-95 D '62.

ALFALFA—HARVESTING

Harvesting alfalfa seed plants with a combine. M. S. Ganiev. Nauch. trudy UzNIME no. 4: 35-42 '60.

ALFALFA—VARIETIES

see subdivision under Turkmenistan

ALGAE see subdivision under Ararat region; Archangel Province

ALGAE—CULTURES AND CULTURE MEDIA

Organic nutrients of *Scenedesmus quadricauda* (Turp.) Bréb. under various light conditions [with summary in English]. L. H. Lytvynenko. Ukr. bot. zhur. 19 no. 6:64-69 '62.

Ribonucleic acid as a growth stimulator of algae [with summary in English]. V. P. Vendt, I. H. Drokova. Ukr. bot. zhur. 19 no. 6:60-63 '62.

ALGAE—TOXICOLOGY

Some remarks on the causes of a sickness of *Cyprinus carpio* L. in the Volga Delta. V. G. Strolkina. Vop. ikht. 3 no. 1:171-178 '63.

ALGAE, FOSSIL see subdivision under Baikal Lake region; Transcarpathia

ALGEBRA

"Numerical solution of algebraic equations" [in French] by E. Durand. Reviewed by D. K. Faddeev. Zhur. vych. mat. i mat. fiz. 3 no. 1:205-206 Ja-F '63.

ALGEBRAIC IDEALS see Ideals (Algebra)

ALGERIA—POLITICS AND GOVERNMENT

Lands, R. G. [The national liberation movement in Algeria, 1939-1962] Natsional'no-osvoboditel'noe dvizhenie v Alzhire, 1939-1962 gg. Moskva, Izd-vo voskhochnoi lit-ry, 1962. 289 p.

ALGORITHM

Algorithm of the solution of a problem with the "Ural" computer according to a program established for the automatic "Kiev" computer. V. A. Mykhailov, V. M. Moskalenko. Zbir. prats' z obchys. mat. i tekhn. 1:61-67 '61.

A class of address algorithms. O. A. Leticheva'skiy. Zbir. prats' z obchys. mat. i tekhn. 1:46-60 '61.

Distribution of addresses for a vector system. N. I. Shishkova. Zbir. prats' z obchys. mat. i tekhn. 1:78-82 '61.

Example of formal language for recording algorithms. L. M. Ivanenko. Zbir. prats' z obchys. mat. i tekhn. 1:106-110 '61.

Problems in the theory and practice of programming. V. S. Korotkiy, K. L. Iushchenko. Zbir. prats' z obchys. mat. i tekhn. 1:5-30 '61.

Turing's algorithms. Zbir. prats' z obchys. mat. i tekhn. 1:31-44 '61.

ALGORITHMS

Algorithmic operators in recursive metric spaces. G. S. Tsel'm. Trudy Mnt. inst. 67:295-361 '62.

A method for constructing an algorithm simulating a certain production process. I. S. Liubchenko, I. E. Maizlin. Dokl. AN SSSR 146 no. 3:538-540 Ja '63.

On certain algorithms connected with word systems. A. A. Markov. Izv. AN SSSR, Ser. mat. 27 no. 1:101-100 Ja-F '63.

On the predicate of differentiability and the operator of differentiation in constructive mathematical analysis. G. E. Mints. Dokl. AN SSSR 147 no. 5:1032-1034 D '62.

Stability of certain computer algorithms for inverting regular difference equations. A. V. Ivanov. Dokl. AN SSSR 146 no. 1:28-31 Ja '63.

Some algorithms for calculating monotonic functions in the algebra of logic. V. K. Korobkov, T. L. Reznik. Dokl. AN SSSR 147 no. 5:1022-1025 D '62.

ALIMENTARY CANAL—DISEASES

Experience in the treatment of extremely acute gastroenteritis with the use of Polosukhin's fluid. V. N. Leiman. Sbor. rab. Sverd. med. inst. no. 32:110-112 '61.

Experience in the work of the diagnostic pediatric gastroenterological department of the Fourth Municipal Clinical Hospital. M. F. Savina, L. V. Pollak, T. F. Blabinskaya. Nauch. trudy Chetv. Mosk. gor. klin. bol., no. 1:40-46 '61.

ALIMENTARY CANAL—INNERVATION

Ganselna, I. E. [Interceptive effect from the gastro-intestinal tract on the heart] Interseptivnyye vliyaniya s zheludochno-kishechnogo trakta na serdtse. Moskva, Izd-vo Akad. nauk SSSR, 1963. 177 p. (DNLN)

Vegetative nerves of the abdominal cavity in sheep and vegetative innervation of internal organs. Sh. I. Ibragimov. Trudy Uz. nauch.-issl. inst. vet. 14:240-252 '61.

ALIMENTARY CANAL—TUMORS

Benign tumors of the gastrointestinal tract. I. V. Staritsay, R. A. Liukhtikova. Nauch. trudy Chetv. Mosk. gor. klin. bol., no. 1:183-189 '61.

ALIMENTARY CANAL—ULCERS

Profuse ulcerous bleeding [in Georgian with summary in Russian]. M. E. Khomakhidze, T. I. Akhmeteli. Trudy inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:183-191 '62.

ALKALI METAL CHLORIDES

Druzhinin, I. G., and others. [Reaction of saccharose with sodium, potassium, calcium, and magnesium chlorides] Vzaimodelstvie sakharozy s khloridami natriia, kal'ia, kal'tsia i magniia. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 145 p.

ALKALI METAL FLUORIDES—SPECTRA

Combined magnetoelectric dipole transitions in the spectra of crystals composed of alkali fluorides with hexavalent uranium. A. A. Kaplanskiy, N. A. Moskvina. Dokl. AN SSSR 146 no. 3:558-561 Ja '63.

ALKALI METAL HALIDE CRYSTALS

X-ray K-absorption spectrum and the conduction band in alkali halide crystals. K. I. Nerbut, I. S. Smirnova. Izv. AN SSSR, Ser. fiz. 27 no. 3:340-347 Mr '63.

ALKALI METAL SALTS

Ternary reciprocal system consisting of sodium and potassium acetates and isovalerates. E. I. Pechetkova. Zhur. ob. khim. 33 no. 2:342-347 F '63.

ALKALI METAL SULFATES

X-ray diffraction study of aqueous sulfate solutions. I. M. Shapovalov, I. V. Radchenko, M. K. Lesovitskaya. Zhur. strukt. khim. 4 no. 1:10-13 Ja-F '63.

ALKALI METALS

Correlation between negative ion and electron components of secondary electron emission from NaCl films during bombardment by Na⁺, Rb⁺, and Cs⁺ ions. L. P. Moroz, A. Kh. Alukhanov. Radiotekh. i elektron. 8 no. 2:322-327 F '63.

ALKALI METALS—BIBLIOGRAPHY see Bibliography—Alkali metals

ALKALIES

Cleavage reactions in quaternary ammonium compounds. Report No. 1: Reaction of salts containing a butyn-2-yl group with alkali hydroxide. A. T. Babayan and others. Izv. AN Arm. SSR, Khim. nauki 15 no. 5:429-434 '62. Selective measurement of alkali concentration in multiple component solutions of aluminum production. V. A. Nosov and others. Avtom. i prib. no. 3:68-60 Ji-S '62.

ALKALIES—TOXICOLOGY

Gastric lavage in alkali poisonings. D. IA. Khalikov. Vrach. delo no. 11:132-133 N '62.

ALKALINE EARTH CARBONATES

Study of the formation reaction of alkaline earth carbonates by the measurement of the volume of precipitates. A. A. Vorontsova. Zhur. neorg. khim. 7 no. 12:2861-2864 D '62.

ALKALINE EARTH CHLORIDES

Druzhinin, I. G., and others. [Reaction of saccharose with sodium, potassium, calcium, and magnesium chlorides] Vzaimodelstvie sakharozy s khloridami natriia, kal'ia, kal'tsia i magniia. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 145 p.

ALKALOIDS

Antimicrobial activity of some alkaloid-bearing plants of Armenia. S. IA. Zolotarevskaya, I. S. Melkumian, V. E. Voskanyan. Izv. AN Arm. SSR, Biol. nauki 15 no. 8:33-38 Ag '62.

ALKANES see Paraffins

ALKENES see Olefins

ALKYD RESINS

Synthesis of alkyd resins. B. M. Dubrova. Lakekraz. mat. i khim. prim. no. 1:74-77 '63.

ALKYL HALIDES

Reaction of tetraethylsilane and its analogs with alkyl halides. N. S. Viazankin, G. A. Razuvayev, O. S. D'yachkovskaya. Zhur. ob. khim. 33 no. 2:613-617 F '63.

ALKYLATION

Alkylation of cyclohexene by ethylene at elevated temperatures and pressures. N. M. Nazarova and others. Neftokhimiia 3 no. 1:68-70 Ja-F '63.

ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see Communist Party of the Soviet Union

ALLERGY

Case of severe allergic reaction with agranulocytosis to pyrimidin. A. I. Kortev. Sbor. rab. Sverd. med. inst. no. 32:153-155 '61.

ALLOYS

Crystalline structure of the ternary compounds TiCo₂ Al, MgNi₂Al, TiNi₂Al, and TiCu₂Al [with summary in English]. V. IA. Markiv, M. IL. Tesliuk. Dop. AN URSSR no. 1607-1609 '62.

Effect of lattice distortions on the scattering of slow neutrons in alloys [with summary in English]. A. N. Zil'ganov and others. Ukr. fiz. zhur. 8 no. 2:256-263 F '63.

Introduction. A. A. Smirnov. Ukr. fiz. zhur. 8 no. 2: 149-151 F '63.

Metallographic materials for bearings, and piston and gasket rings. (from "Machine Shop Magazine," no. 3 1961). IA. K. Terent'ev. Prom. energ. 18 no. 2:43 F '63.

Mutual relation between short-range and long-range order and the properties of alloys [with summary in English]. I. L. Aptekar'. Ukr. fiz. zhur. 8 no. 2:170-175 F '63. Surface properties of melts based on CaF₂. IU. P. Nikitin, V. G. Korpachev, A. N. Safronnikov. Dokl. AN SSSR 146 no. 1:180-181 Ja '63.

Theory of the electric resistance of ordered alloys; review. A. A. Smirnov. Ukr. fiz. zhur. 8 no. 2:151-156 F '63.

Theory of the scattering of X rays and neutrons by ordered alloys; review. M. A. Krivoglas. Ukr. fiz. zhur. 8 no. 2:162-170 F '63.

X-ray diffraction study of ordering in alloys; review [with summary in English]. V. I. Iveronova. Ukr. fiz. zhur. 8 no. 2:157-162 F '63.

ALLOYS—ANALYSIS

Phase analysis of nonferrous alloys. M. N. Kozlova, N. F. Lashko, K. P. Sorokina. Zav. lab. 29 no. 3: 261-271 '63.

ALLOYS—ELASTIC PROPERTIES

Dependence of elasticity constants in binary alloys on ordering. V. T. Shmatov. Fiz. met. i metalloved. 15 no. 1:36-44 Ja '63.

ALLOYS—MAGNETIC PROPERTIES

Magnetic characteristics of soft magnetic alloys in alternating fields with different regimes of magnetization. O. V. Liubetskaya, N. A. Semenova. Zav. lab. 29 no. 3:312-314 '63.

ALLOYS—TESTING

Disintegration of heated metals and alloys in a supersonic air flow [with summary in English]. L. IA. Nesgovorov, V. I. Prosvirnin. Inzh.-fiz. zhur. 6 no. 2:44-51 F '63.

ALLOYS—THERMAL PROPERTIES

Theory of the Debye thermal factor in solid solutions [with summary in English]. M. A. Krivoglas, E. A. Tikhonova. Ukr. fiz. zhur. 8 no. 2:248-251 F '63.

ALLOYS, HEAT RESISTANT see Heat-resistant alloys

ALLUVIAL LANDS see subdivision under Georgia; Moskov Valley

ALLUVIUM

(see also subdivision under Amu Darya Valley) Distribution of trace elements in sediments of the Dnieper, Pripyat', Desna, and Oka rivers. A. A. Lazarenko. Dokl. AN SSSR 147 no. 5:1182-1188 D '62. General instructions and recommendations on washing out alluvium at hydraulic developments. A. M. Mukhamedov. Vop. gidr. no. 10:77-80 '62.

ALLYL ALCOHOL

Interaction of acetone cyanohydrin and allyl alcohol with trialkoxyaluminum. E. K. Ignat'eva, E. V. Kuznetsov. Zhur. ob. khim. 33 no. 2:617-622 F '63.

ALMA-ATA—CLOTHING INDUSTRY—QUALITY CONTROL

Quality is before everything. A. Dosabaeva. Nar. khoz. Kazakh. 20 no. 11:39-40 N '62.

ALMA-ATA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Three letters with the same address. V. Alekseev, N. Andriushchenko, M. Efimov. Part. zhizn' Kazakh. 33 no. 2:44-48 F '63.

ALMA-ATA—CONSTRUCTION INDUSTRY—FINANCE

Business accounting helps us. M. Lokevol. Nar. khoz. Kazakh. 20 no. 11:47-48 N '62.

ALMA-ATA—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Efficiency promoter. P. Kudriashova. Nar. khoz. Kazakh. 20 no. 12:65 D '62.

ALMA-ATA—SKIN—DISEASES

An analysis of skin diseases, according to data of the Dermatological Department. L. D. Patlak. Zdrav. Kazakh. 22 no. 11:51-53 '62.

ALMA-ATA—WOMEN—EMPLOYMENT

It is not the position man holds that adds to his real beauty. T. Bogdanova. Nar. khoz. Kazakh. 20 no. 12: 68-70 D '62.

ALMA-ATA PROVINCE—COMMUNIST EDUCATION

Educational work in schools. T. Isakov. Part. zhizn' Kazakh. 33 no. 2:52-55 F '63.

ALMA-ATA PROVINCE—COOPERATIVE SOCIETIES

Alma-Ata cooperators call, "Southerners, the floor is yours!" A. Safronova. Koop. Kazakh. 5 no. 4:21-22 Ap '62.

- ALMA-ATA PROVINCE—FURNITURE INDUSTRY**
First steps of production firms. Nar. khoz. Kazakh. 20 no. 12:55-56 D '62.
- ALMA-ATA PROVINCE—INDUSTRIAL ORGANIZATION**
On firms, business accounting and norms. A. Adilov. Nar. khoz. Kazakh. 20 no. 11:36-37 N '62.
- ALMA-ATA PROVINCE—MACHINERY INDUSTRY—AUDITING AND INSPECTION**
Auditing committees in enterprises. V. Radostovets. Fiz. i inzh. 37 no. 2:54-55 F '63.
- ALMA-ATA PROVINCE—SHOE INDUSTRY**
First steps of production firms. Nar. khoz. Kazakh. 20 no. 12:55-56 D '62.
- ALMA-ATA PROVINCE—UIGUR LANGUAGE—DIALECTS**
Lexical characteristics in the language of the Uigurs of Bol'shoy Aksu [in Kazakh with summary in Russian]. G. Sadykassov. Izv. AN Kazakh. SSR. Ser. filol. i isk. no. 3:44-55 '62.
- ALMALYK—CRUELTY TO CHILDREN**
In the name of God. V. Kuznetsov. Nauka i rel. 4 no. 1: 69 Ja '63.
- ALMANACS**
[Desk calendar for 1963] Na stol'nyi kalendar' 1963. Moskva, Gospolitizdat, [1962] 201 p.
- ALMANACS, UKRAINIAN**
[People's calendar for 1963] Narodnyi kalendar' 1963. [Kyiv] Derzh. vyd-vo polit. lit-ry URSR, [1962] 254 p.
- ALNICO—METALLOGRAPHY**
Initial stages of decomposition of a supersaturated solid solution in an alnico-type alloy. L. M. Magat. Fiz. met. i metalloved. 15 no. 1:60-62 Ja '63.
- ALPHA RAYS**
Popov, V. I., and D. P. Osunov. [Diffusion chamber for measuring the α -contamination of water] Diffuzionnaya kamera dlia izmereniia α -zagrязnenosti vody. Moskva, Filial Vses. in-sta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41. No. P-58-69/4)
- ALPHA RAYS—PHYSIOLOGICAL EFFECT**
Recovery of viability in α -irradiated yeast cells of different ploidy. V. I. Korogodin and others. Radiobiologiya 3 no. 1:39-44 '63.
- ALPS—GEOLOGY**
Session of the International Association for the Study of the Subsurface Zones of the Earth Crust. N. G. Sudovikov. Vest. AN SSSR 33 no. 2:102-104 F '63.
- ALTAI MOUNTAIN REGION—SNOW**
The rival processes on the cis-Altai plains and the foothills of the Altai and Salair. I. A. Demshin. Sib. geog. sbor. no. 1:185-202 '62.
- ALTAI MOUNTAINS—GEOLOGY**
Stratigraphy of Devonian sediments and the Upper Devonian volcanism of the Uymen'-Lebed' syncline (Gornyy Altai). V. M. Sennikov. Trudy SNIIGIMS no. 13: 109-122 '60.
- ALTAI MOUNTAINS—GEOLOGY, STRATIGRAPHIC**
Cambrian of the northeastern Altai. A. F. Belousov, V. M. Sennikov. Trudy SNIIGIMS no. 13:123-135 '60. Key sections of the Lower Cambrian and Silur in Gornaya Shoriya and the Gornyy Altai. M. K. Vinkman, A. B. Gintsinger, L. I. Egorova. Sov. geol. 5 no. 12:44-56 D '62.
- ALTAI MOUNTAINS—GEOLOGY, STRUCTURAL**
Role of tangential stresses in the formation of structures in the Gornyy Altai. I. F. Pozharinskii. Izv. AN SSSR. Ser. geol. 28 no. 2:22-29 F '63.
- ALTAI MOUNTAINS—TICKS AS CARRIERS OF DISEASE**
Control of spring and summer tick-borne encephalitis in the Gornyy Altai. V. M. Llubushkina. Trudy TomNIIVS 11:62-65 '60.
- ALTAI TERRITORY—AGRICULTURAL WORKERS**
Seven brothers. V. Rybin. Sov. Soluz no. 3:18-19 '63.
- ALTAI TERRITORY—AGRICULTURE**
Bukhan'ko, N. N. [The "Strana Sovetov" Collective Farm along new paths] Kol'hoz "Strana Sovetov" na novykh putyakh. Moskva, Sel'khozizdat, 1962. 86 p. (DNAL)
- ALTAI TERRITORY—AGRICULTURE—ECONOMIC ASPECTS**
Akademika nauk SSSR. Sovet po izucheniiu proizvoditel'nykh sil. [Ways of developing agriculture in the Altai; problems in the distribution and specialization of collective-farm production] Puti razvitiia sel'skogo khoziaistva Altai; voprosy razmeshcheniia i spetsializatsii kol'hoznoho proizvodstva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 214 p.
- ALTAI TERRITORY—BEEF CATTLE**
Fattening and raising cattle for meat in the Altai. N. K. Vishniakov. Zhivotnovodstvo 23 no. 5:32-37 My '61.
- ALTAI TERRITORY—BIRDS OF PREY**
Use of the method of recording the occurrences for the relative census of birds of prey. V. M. Neronov. Ornitologiya no. 5:386-391 '62.
- ALTAI TERRITORY—COMMUNITY CENTERS**
On the main line. K. Vladimirovskii. Kul't. -proa. rab. 23 no. 4:23-24 Ap '62.
- ALTAI TERRITORY—EVENING AND CONTINUATION SCHOOLS**
The future belongs to them. G. P. Rubchenko. Vech. sred. shkola 5 no. 5:44-45 S-O '62.
- ALTAI TERRITORY—SWINE—DISEASES AND PESTS**
Role of trichomonads in atrophic rhinitis of swine. I. M. Leon'tev. Veterinariia 37 no. 11:47 N '60.
- ALTAI TERRITORY—TRICHOMONADS**
Role of trichomonads in atrophic rhinitis of swine. I. M. Leon'tev. Veterinariia 37 no. 11:47 N '60.
- ALTAIANS** see Ural-Altaic tribes
- ALTIMETER**
Accuracy of automatic altimeter units with a spherical friction system. I. U. N. Starodumov. Geod. i kart. no. 12:33-40 D '62.
- ALUM**
Distribution of radioactive cesium between the crystalline phase of aluminum potassium aluminate and solution. N. B. Mikheev, V. Pettsol'd. Radiokhimiia 5 no. 1: 22-28 '63.
- ALUMINATES**
Cathodic polarization during electrodeposition of gallium from aluminate solutions. Report No. 4 M. G. Manvel'san, A. G. Egenian. Izv. AN Arm. SSR. Khim. nauki 15 no. 6:501-510 '62.
- ALUMINOTHERMY**
Reduction of barium and strontium oxides by aluminum. G. N. Kozhevnikov. TSvet. met. 36 no. 2:53-56 F '63.
- ALUMINUM**
Chemical activation of powdered aluminum by triisobutylaluminum. L. M. Antipin and others. Plast. massy no. 1:73 '63.
Investigating the effect of speed on certain parameters of aluminum and copper rolling. D. I. Starchenko, V. I. Kuz'min. TSvet. met. 36 no. 2:62-67 F '63.
Oxidation of aluminum spray coating on porcelain and its imitation gold finishing. I. B. Bormashenko and others. Leh. prom. no. 3:34-40 Je-Ag '62.
Rotational nature of the 2.2 Mev. level in Al²⁷. D. G. Alkhazov, K. I. Erokhina, I. Kh. Lemberg. Izv. AN SSSR. Ser. fiz. 27 no. 2:211-215 F '63.
- ALUMINUM—ANALYSIS**
Analytical properties of phenolic acids of the triphenylmethane series. Determination of aluminum and iron in some metals [with summary in English]. I. S. Mustafin, N. F. Lisenko, Zhur. anal. khim. 17 no. 9: 1052-1056 D '62.
Determining aluminum purely by residual resistance. B. N. Aleksandrov, N. M. Vasil'eva. Fiz. met. i metalloved. 15 no. 1:156-158 Ja '63.
- ALUMINUM—ELECTROMETALLURGY**
Automatic control of aluminum electrolytic cells. V. I. Gusarov. TSvet. met. 36 no. 12:44-47 D '62.
- ALUMINUM—WELDING**
Automatic arc welding of aluminum under flux with supply of a jet of oxygen. A. A. Alov, E. Grusser. Svar. proizv. no. 2:8-10 F '63.
Movable equipment for the welding of aluminum. N. T. Mel'nikhenko, B. I. Mokrov. Avtom. svar. 16 no. 1: 80-81 Ja '63.
Seminar on aluminum welding procedures. Avtom. svar. 16 no. 1:95-96 Ja '63.
- ALUMINUM ALLOYS**
Russia (1917- R. S. F. S. R.) Moskovskii gorodskoi ekonomicheskii administrativnyi raion. Sovet narodnogo khoziaistva. [Protective and decorative coatings on objects of aluminum alloys] Zashchitno-dekorativnye pokrytiia izdelii iz aluminievyykh sployov. Moskva, TSentr. biuro tekhn. informatsii, 1961. 76 p.
Sectional dismantlable elements made of aluminum alloys. I. U. Melenevskii, E. Kalmykova, Na stroit. Ros. 3 no. 3:3 of cover Mr '62.
- ALUMINUM ALLOYS—FATIGUE**
Fatigue characteristics of aluminum alloys used in shipbuilding. P. P. Shuigin, E. N. Shchukina. Sudostroenie 28 no. 2:47-51 F '63.
- ALUMINUM ALLOYS—TESTING**
Sorensen, S. V., and others. [Structural strength of air-plane alloys] Konstruktsionnaia prochnost' aviatsionnykh sployov. Moskva, Oborongiz, 1962. 100 p. (Moscow. Aviatsionnyi tekhnologicheskii institut. Trudy, no. 54)
- ALUMINUM CHLORIDE**
Reaction of nitroolefins with aromatic compounds in the presence of acid catalysts. Part 2: Condensation of 1,1,1-trichloro-3-nitro-2-propene with benzene in the presence of aluminum chloride. A. D. Grebeniuk, A. Ladanova, I. P. TSukervanik, Zhur. ob. khim. 33 no. 2:490-493 F '63.
- ALUMINUM COATING**
Effect of various additions to the bath for dip coloring on the thickness of the intermetallic zone. M. E. Semenov. Lit. proizv. no. 7:26-27 JI '62.
- ALUMINUM COMPOUNDS**
Synthesis of isoprene from propylene. Part 1: Analysis of aluminum alkyls in the process of propylene dimerization. V. Sh. Fel'dblum and others. Neftekhimiia 3 no. 1:13-10 Ja-F '63.
- ALUMINUM-COPPER ALLOYS** see Copper-aluminum alloys
- ALUMINUM CRYSTALS**
Linear approximation in the elasticity theory of polycrystals. F. P. Rybalko, N. A. Klinevskii, S. D. Volkov. Fiz. met. i metalloved. 14 no. 6:857-863 D '62.
- ALUMINUM INDUSTRY**
Selective measurement of alkali concentration in multiple component solutions of aluminum production. V. A. Nosov and others. Avtom. i prib. no. 3:58-60 JI-S '62.
- ALUMINUM INDUSTRY—BY-PRODUCTS**
Complete utilization of red muds. V. I. A. Miller, A. I. Ivanov. TSvet. met. 36 no. 2:45-49 F '63.
Prospects for the complete metallurgical processing of red muds. A. I. Bychin, B. Z. Kudinov. TSvet. met. 36 no. 2:49-52 F '63.
- ALUMINUM-IRON-MANGANESE ALLOYS** see Iron-aluminum-manganese alloys
- ALUMINUM-MANGANESE ALLOYS—WELDING**
Measures to control porosity in welding the AlMg alloy. G. D. Nikiforov, S. A. Silant'eva, G. E. Kainova. Svar. proizv. no. 1:26-29 Ja '63.
- ALUMINUM-NICKEL-COBALT ALLOYS**
Some diffusion effects near superstructural reflections on X-ray photographs of the alnico alloy [with summary in English]. L. M. Magat. Ukr. fiz. zhur. 8 no. 2:276-272 F '63.
- ALUMINUM ORGANIC COMPOUNDS**
Aluminum-containing compounds for the paint and varnish industry (survey of the literature). P. M. Il'yegirev, M. S. Chel'tsova, A. G. Shabanova. Lakokr. mat. i kh. prim. no. 1:81-84 '63.
- ALUMINUM OXIDES**
Effect of temperature on the radiolysis of heptane adsorbed on Al₂O₃. I. U. A. Kolbanovskii, I. U. V. Popel'nev, L. S. Polak. Neftekhimiia 3 no. 1:124-127 Ja-F '63.
Entirely mobile behavior of alumina and the inertness of SiO₂ in metasomatic plagioclase formation in primary pegmatites of the Moncho-Tundra. R. V. Karpov. Dokl. AN SSSR 148 no. 3:686-687 Ja '63.
History of organization of the production of alumina from Zaglik alunites of Azerbaijan. V. A. Segal. Trudy Inst. ist. est. i tekhn. 30:248-257 '62.
Obtaining an alumina concentrate from Boshchekul' ores. M. A. Sokolov, R. A. Skormina. Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:3-6 '58.
- ALUMINUM OXIDES—TRANSPORTATION**
Assembly of bridges for pneumatic conveying in close quarters. E. I. Golovin. Mont. i spets. rab. v stroit. 25 no. 3:13-15 Mr '63.
- ALUMINUM-TITANIUM ALLOYS** see Titanium-aluminum alloys
- ALUMINUM-ZINC ALLOYS—METALLOGRAPHY**
Investigating the zonal stage of decomposition in aluminum-zinc and aluminum-zinc-magnesium alloys by the method of the anomalous scattering of X rays. O. D. Shashkov, N. N. Butinov. Fiz. met. i metalloved. 14 no. 6:848-851 D '62.
- ALUNITE** see subdivision under Azerbaijan
- AMATEUR ART ACTIVITIES**
(see also subdivision under Lvov Province; Ukraine)
Talents develop in the collective. I. U. Popov. Sov. profsoyuzy 19 no. 4:16-17 F '63.
- AMATEUR RADIO STATIONS**
Amateur radio equipment at the Eighteenth All-Union Radio Exhibition. N. Kazanskii. Radio no. 2:17-19 F '63.
CQ SSB. Radio no. 3:31 Mr '63.
Can one be satisfied with small accomplishments? A. Relach. Radio no. 3:16 Mr '63.
Concerning people who work with initiative. A. Grif. Radio no. 3:8-9 Mr '63.

AMATEUR RADIO STATIONS (Continued)

- Invitation of the Yugoslavian radio amateurs has been accepted, Radio no. 3:31 Mr '63.
- Let us have a "record-breaking week," V. Petrov, Radio no. 2:9 F '63.
- "Organization and judgment of amateur radio competitions" by K. Lutsenko, Radio no. 3:43 Mr '63.
- Our new champions, I. Peresypkin, Radio no. 2:10 F '63.
- Regulations for SSB shortwave radio amateur competitions for the challenge cup of the Central Radio Club of the U. S. S. R., Radio no. 2:22 F '63.
- Short and ultrashort radio waves, Radio no. 2:13 F '63.
- Short and ultrashort radio waves, Radio no. 3:17-18 Mr '63.
- There is no victory without effort, I. Volkov, Radio no. 3:12-13 Mr '63.
- Tropospheric passage of radio waves with 144 mc. frequency, K. Kallemann, Radio no. 3:28-29 Mr '63.

AMATEUR THEATRICALS

- (see also subdivision under Leningrad; Moscow; Ukraine; Wladiwa Province)
- A dream realized, Kul't.-pros. rab. 23 no. 4:15 Ap '62.
- Harvest festival on a state farm, G. Savvateeva, Klub 12 no. 8:27 Ag '62.
- Iur'ev, L. V. [The people's theater] Narodnyi teatr, Moskva, Izd-vo "Znaniye," 1963. 47 p. (Narodnyi uni-versitet kul'tury: Fakul'tet literatury i iskusstva, no. 2)
- "Natalika Poltavka" in a rural club, P. Zhuk, Ukraina no. 1:22-23 Ja '63.

AMBIARY HEMP—DRYING

- Drying of wet kenaf fibers, N. F. Makarova, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:42-48 '62.

AMERICAN LITERATURE—HISTORY AND CRITICISM

- Akademiia nauk SSSR, Institut mirovoi literatury, [Contemporary Literature of the United States] Sovremennaiia literatura SShA, Moskva, Izd-vo Akad. nauk SSSR, 1962, 220 p.

AMERICANS see subdivision under Siberia, Western

AMIDES

- Distance and activation energy of chelate compounds of dihydrocarbamates and thioamides, derivatives of pyridine, A. T. Terent'ev and others, Dokl. AN SSSR 147 no. 5:1094-1097 D '62.
- Increasing the stability of dimensions and engineering properties of parts made of polyamides, V. I. Bulgakov, IU. T. Lopatin, Mashinostroitel' no. 1:32-33 Ja '63.

AMINES

- Amino ethers, Report No. 3: Some dialkylamino ethyl ethers of p-alkoxybenzhydrol, O. I. Midshtol'an, N. M. Morozova, Izv. AN Arm. SSR, Khim. nauki 15 no. 6:553-562 '62.
- Bis (β-chloroethyl) amines of bicyclic compounds, Part 6: 4-and 5-N-bis (β-chloroethyl) aminoindans, I. I. Koleskina, K. V. Levshina, S. I. Sergiovskaia, Zhur. ob. khim. 33 no. 2:469-474 F '63.
- Formation of diaryl nitric oxide radicals in reactions between amines and peroxide radicals, A. T. Koritski, A. F. Lukovnikov, Dokl. AN SSSR 147 no. 5:1120-1129 D '62.
- Mechanism of the condensation of enamines with aldehydes, N. V. Volkova, A. A. Iasn'kov, Dokl. AN SSSR no. 1:94-96 Mr '63.
- Reaction of aromatic diamines with diisocyanates, Part 1: Influence of some factors [with summary in English], O. I. A. Fedotova, I. P. Losev, N. I. Skripchenko, Vysokom. soed. 5 no. 2:222-226 F '63.
- Reaction of aromatic diamines with diisocyanates, Part 2: Reactivity of some aromatic diamines [with summary in English], O. I. A. Fedotova, I. P. Losev, N. I. Skripchenko, Vysokom. soed. 5 no. 2:227-232 F '63.
- Reaction of crotononitrile and β-dialkylaminobutyronitriles with aromatic amines, P. F. Butskis, G. I. Denis, Zhur. ob. khim. 33 no. 2:929-931 F '63.
- Simplified method for the determination of mono-, di-, and triethylamines in a six-component mixture obtained in the catalytic deamination of aliphatic amines over dehydrating oxide catalysts [with summary in English], V. Ormanets, V. A. Tronova, K. V. Topchieva, Zhur. anal. khim. 17 no. 9:1109-1113 D '62.
- Synthesis of N, N-bis(2-chloroethyl)amino derivatives from 1-(o-nitro)phenoxy-2, 3-epoxypropane, I. I. Chizhevskaya, L. I. Samuilenko, L. I. Gapanovich, Zhur. ob. khim. 33 no. 2:657-660 F '63.

AMINO ACID METABOLISM

- Changes of the amino acid composition of tobacco leaves and root system in darkness [in Armenian with summary in Russian], E. S. Avundzhian, Izv. Glav. upr. sel'khoz. nauk i podgol. kad. Arm. SSR 5 no. 11:27-35 '62.

AMINO ACIDS

- Amino acid composition of feeds, I. S. Popov, Zhivotnovodstvo 23 no. 7:3-15 Ji '61.

- Isomerization of inner complex salts of bivalent platinum with amino acids, L. M. Volashtein, I. O. Volodina, Zhur. neorg. khim. 7 no. 12:2685-2688 D '62.
- Precursors of amino acids as mutagens, I. A. Rapoport, Dokl. AN SSSR 147 no. 5:1193-1195 D '62.
- Some variants of automatic fraction collectors, A. N. Pushniak, Trudy po khim. prirod. soed. no. 3:3-10 '60.

AMINO COMPOUNDS

- Complex amino-cations of rare earth elements, R. A. Chupakhina, V. V. Serebrennikov, Zhur. neorg. khim. 7 no. 12:2690-2701 D '62.

AMINOPYRINE

- Case of severe allergic reaction with agranulocytosis to pyrimidin, A. I. Kortev, Shor. rab. Sverd. med. inst. no. 32:153-155 '61.

AMIRASLANOV, ALI AGAMALIEVICH, 1900-1962

- Ali Agamaly Ogly Amiraslanov; obituary, Izv. AN SSSR. Ser. geol. 28 no. 1:102-103 Ja '63.

AMMINES

- Complex compounds of indium of the lowest valency. Synthesis and properties of indium monochalcide amines, A. P. Kochetkova, V. G. Tronev, O. N. Giliarov, Dokl. AN SSSR 147 no. 5:1086-1088 D '62.

AMMONIA

- Analysis of mixtures of methylamines and ammonia by liquid partition chromatography, A. I. Dolgina, D. D. Alekseeva, Zav. lab. 29 no. 1:22-24 '63.
- Experimental study of the orientation of an ammonia molecular beam, A. I. Naumov, Zhur. tekhn. fiz. 33 no. 1:127-131 Ja '63.
- Saponification of terephthalodinitrile by an ammonia aqueous solution under pressure, I. A. Arkhipova, S. R. Radkov, B. V. Suvorov, Zhur. ob. khim. 33 no. 2:637-641 F '63.
- Transporting ammonia liquor, Avt. transp. 41 no. 1: 16-17 Ja '63.

AMMONIUM COMPOUNDS

- β-Picoline-mono-substituted nitroammonium complex compounds of trivalent cobalt, A. Ganjev, R. Mukhtarov, Uzb. khim. zhur. 6 no. 6:10-22 '62.
- Bisquaternary ammonium compounds of some derivatives of 1, 6-hexamethylene-bisaminoacetic acid, N. V. Khromov-Borisov, K. A. Eremicheva, Zhur. ob. khim. 33 no. 2:475-478 F '63.
- Cleavage reactions in quaternary ammonium compounds, Report No. 1: Reaction of salts containing a butyl-2-yl group with alkali hydroxide, A. T. Babajan and others, Izv. AN Arm. SSR, Khim. nauki 15 no. 5:429-434 '62.
- Rearrangement-cleavage of quaternary ammonium salts containing α-allyl and α-acetylenyl systems, A. T. Babajan and others, Izv. AN Arm. SSR, Khim. nauki 15 no. 6:567-569 '62.

AMMONIUM SULFATE

- Fractionation of a mixture of trivalent iron in the processes of crystallization of ammonium sulfate from aqueous solutions, G. I. Gorshtein, N. N. Tiniyeva, Radiokhimiia 5 no. 1:11-22 '63.
- Nonstaturated method of obtaining ammonium sulfate, A. P. Sergeev, I. A. Gol'din, Koks i khim. no. 2:38-39 '63.
- Production of white or slightly colored ammonium sulfate, M. I. Lukinsson, V. E. Kozel', Koks khim. no. 1:37-38 '63.

AMMONIUM SULFATE—DRYING

- High-speed drying of ammonium sulfate in a vortex chamber, P. Z. Shubeko, S. K. Khmelev, I. V. Kolodiazny, Koks i khim. no. 1:38-40 '63.

AMMONIUM URANYL SULFATE

- Precipitation of ammonium uranyl disulfate from nitrate solutions, I. A. Kuzin, I. A. Galitskaia, V. P. Tauskhanov, Radiokhimiia 5 no. 1:89-93 '63.

AMOBARBITAL

- Barbamil narcosis for lambs and sheep, Z. A. Agapova, Veterinaria 37 no. 11:66 N '60.

AMORPHA see subdivision under Tashkent

AMORTIZATION

- New amortization deduction norms and financial organs' control over their application, P. Bunich, Fin. SSR 37 no. 2:25-32 F '63.

AMOSOV, NIKOLAI KONSTANTINOVICH, d. 1903

- N. K. Amosov; an obituary, Nauka i rel. 4 no. 1:96 Ja '63.

AMPEROMETRIC ANALYSIS see Conductometric analysis

AMPHIBIA—ANATOMY

- Data on the anatomy of the vaginae synovialis in amphibians and reptiles, V. G. Ukrainskii, Shor. nauch. trud. Vin. der. med. inst. 18 no. 1:105-173 '68.

AMPHIBOLES

- (see also subdivision under Ural Mountains)
- Three unusual amphiboles from granitic rocks, I. V. Ginzburg, Trudy Min. muz. no. 13:3-15 '62.

AMPLIFIERS (ELECTRONICS)

- D. c. and a. c. preamplifier for electrophysiological studies, L. S. Sedlovich, R. M. Meshcherskii, Trudy Inst. vys. nerv. delat. Ser. fiziol. 7:300-305 '62.
- Effect of discrepancies in the manufacture of components used in double T-shaped filters on the characteristics of selective RC amplifiers, N. I. Kalashnikov, Avtom. kont. i izm. tekhn. no. 6:29-34 '62.
- Operation of a "through" amplifier with negative conductance in microwave and optical frequency ranges, I. V. Lebedev, V. V. Lebedeva, Radiotekh. i elektron. 8 no. 2:221-230 F '63.
- Our consultations, Radio no. 2:60-61 F '63.
- Principles for designing "hybrid" amplifiers, N. S. Nikolaenko, Izv. tekhn. no. 1:42-43 Ja '63.

AMPLIFIERS (ELECTRONICS)—NOISE

- Possibilities of the evaluation of the noise of microwave amplifiers with a self-excitation network, V. A. Dvinskikh, Radiotekh. i elektron. 8 no. 2:344-346 F '63.

AMPLIFIERS, ELECTRON-TUBE

- Preamplifier of a closed-circuit television channel, A. L. Levin, Vest. svlazi 23 no. 2:16-18 F '63.
- Schematic of an a. c. amplifier with provision for reserve devices in the anode circuit, N. E. Safonov, Avtom. i telem. sbor. st. no. 3:35-38 '62.
- Some methods for increasing the reliability of electronic amplifiers, P. I. Popov, V. G. Terent'ev, E. V. Filippchuk, Avtom. i telem. sbor. st. no. 3:28-34 '62.

AMPLIFIERS, PARAMETRIC see Parametric amplifiers

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMPUTATION

- Complications and postoperative care in amputations of the extremities caused by endarteritis, N. E. Lebedev, Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:147-159 '61.

AMPUTATIONS OF LEG

- Grilli-Shimanovskii operation in osteomyelitis and severe injury of the shin, R. P. Solodnikov, Klin. khir. no. 12:64 D '62.
- Use of local physical hypothermia in amputations of the extremities [in Georgian with summary in Russian] N. V. Antolava, Z. L. Zodelava, Trudy Tbil. GIDUV 6:75-80 '62.

AMU DARYA DELTA REGION—BIRDS—FOOD

- Food of the carrion crow in the coastal area of the Amu Darya Delta, G. I. Ishunin, B. N. Maksimov, Ornitologiya no. 5:276-280 '62.

AMU DARYA DELTA REGION—CROWS

- Food of the carrion crow in the coastal area of the Amu Darya Delta, G. I. Ishunin, B. N. Maksimov, Ornitologiya no. 5:276-280 '62.

AMU DARYA VALLEY—ALLUVIUM

- Average discharge of suspended alluvium by rivers in the Amu Darya basin, V. P. Svetitskii, Vop. glidr. no. 10: 100-109 '62.

AMUR PROVINCE—AGRICULTURAL WAGES

- From the editor's mail, Sots. trud 8 no. 2:129-132 F '63.

AMUR PROVINCE—ANIMAL MIGRATION

- Nonperiodical mass migration of roe deer in Amur Province, L. M. Baranchev, Migr. zhiv. no. 3:28-36 '62.

AMUR PROVINCE—BIRDS

- Ornithofauna of the middle Amur Valley, A. A. Spasakii, M. D. Sonin, G. V. Ponomarev, Ornitologiya no. 5: 161-163 '62.

AMUR PROVINCE—ROE DEER

- Nonperiodical mass migration of roe deer in Amur Province, L. M. Baranchev, Migr. zhiv. no. 3:28-36 '62.

AMUR RIVER—SALMON

- Survival of eggs of the Amur fall-spawning chum (Oncorhynchus keta (Walbaum)) inf. autumnalis Berg) depending on the conditions and the way they are washed by water, A. M. Koll'gaev, Vop. ikht. 2 no. 4: 742-746 '62.

AMUR VALLEY—AERONAUTICS IN AGRICULTURE

- Above the fields of Priamur'ye, N. Lukashenko, Grazhd. av. 19 no. 10:17 O '62.

AMUR VALLEY—GEOLOGY, STRATIGRAPHIC

- Discovery of Lower and Middle Triassic deposits in the middle Amur Valley, V. V. Babylev, S. A. Salun, A. A. Shovyrev, Dokl. AN SSSR 149 no. 1:146-148 Mr '63.

AMUSEMENT PARKS

- New attractions, M. Kapitannikov, Kul't.-pros. rab. 23 no. 6:38-37 Je '62.

AMVROSIYEVKA DISTRICT—SEVENTH-DAY ADVENTISTS

- You should protect your family, I. Zakutnyi, Voioy. ateist 3 no. 2:17-18 F '63.

- ANADAR VALLEY—BIRDS**
New data on the distribution and biology of birds in northwestern Yakutia (Anabar River). N. A. Glodkov, V. S. Zolotarev. Ornitologiya no. 5:31-34 '62.
- ANADYR LOWLAND—FROZEN GROUND**
History of the formation of permanently frozen ground in the lower Anadyr Lowland. B. I. Vturyin, Sh. Sh. Gasanov. Trudy Inst. merzl. AN SSSR 18:72-84 '62.
- ANALOG CALCULATING-MACHINES** see Electronic analog computers
- ANALYSIS (MATHEMATICS)** see Mathematical analysis
- ANALYTIC FUNCTIONS** see Functions, Analytic
- ANALYTICAL GEOMETRY** see Geometry, Analytic
- ANALYTICAL MECHANICS** see Mechanics, Analytic
- ANAPHYLAXIS**
Active anaphylaxis to anatoxins under conditions of changed sensibility of the organism [with summary in English]. B. G. Trukhmanov, L. I. A. Tikhonova. Trudy TomNIIVS 11:141-146 '60.
Anaphylactic properties of simple and complex associated vaccines [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:135-140 '60.
Some problems in the clinical aspects of drug intolerance [with summary in English]. E. I. A. Severova. Sov. med. 26 no. 12:56-57 D '62.
- ANAPLASMOSIS**
Transmission of *Anaplasma marginale* Theiler 1910 by ticks. I. V. Abramov, O. F. Grobov. Trudy VIEV 26:170-182 '62.
- ANATOMY**
Methods and technique of anatomic research. V. G. Ukrainskii. Shor. nauch. trud. Vin. der. med. inst. 18 no. 2:137-140 '63.
- ANATOMY, COMPARATIVE**
Anatomy of the tear abduction apparatus of the eye in man and in some vertebrates. I. N. Khorevin. Shor. nauch. trud. Vin. der. med. inst. 18 no. 2:95-102 '63.
Characteristics of living nature. N. A. Livanov. Uch. zap. Kaz. un. 120 no. 6:3-32 '60.
Structure and topography of the panniculus adiposus of the anterior wall of the abdomen in man and some vertebrates. V. A. Kornilchuk, E. M. Klevskaya. Shor. nauch. trud. Vin. der. med. inst. 18 no. 2:66-71 '63.
- ANATOMY, HUMAN—STUDY AND TEACHING**
"Methods of teaching human anatomy and physiology" by I. V. Kezzer, P. I. Savorova, A. M. Tsuzmer. Reviewed by A. V. Sokolova. Biol. v shkole no. 5:85-87 S-O '62.
"Study of human anatomy and physiology in secondary schools" by E. P. Brunov. Reviewed by M. R. Boldnev. Biol. v shkole no. 5:87-89 S-O '62.
- ANATOMY, PATHOLOGICAL**
Prosection and the clinic. S. S. Vail'. Vrach. delo no. 1:13-19 Ja '63.
- ANATOMY, SURGICAL AND TOPOGRAPHICAL—BIBLIOGRAPHY** see Bibliography—Anatomy, Surgical and topographical
- ANCESTRY** see Genealogy
- ANCESTRY** see Heredity
- ANCHOVIES**
Some comparative data on the reproduction of the anchovy *Engraulis encrasicolus* L. T. V. Dekhtuk. Vop. ikht. 3 no. 1:144-151 '63.
- ANDIZHAN PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Offer everyday help to young propagandists. M. Usmanov. Part. zhizn' [Uzb.] 6 no. 1:72-75 Ja '63.
- ANDIZHAN REGION—AGRICULTURAL ADMINISTRATION**
Our decisions must be specific and explicit. A. Ruziev. Komm. Uz. 34 no. 12:57-60 D '62.
- ANDREEVA, MARIA FEDOROVNA, 1888-1953**
"Correspondence. Reminiscences. Articles. Documents. Reminiscences on M. F. Andreeva" by Maria Fedorovna Andreeva. Reviewed by S. Pentina. Teatr 24 no. 1:67-68 Ja '63.
- ANDREYEVKA DISTRICT—POLITICS AND GOVERNMENT**
The birth of communal self-government. V. Riznyk. Rad. pravo no. 5:25-26 S-O '62.
- ANDRONIKOV, IRAKLI LVARASBOVICH, 1908-**
Pushkin role played by Andronikov. A. Svobodin. Teatr 24 no. 1:73-82 Ja '63.
- ANEMIA**
Anemia in pregnant women. E. M. IUsin. Sov. med. 26 no. 12:91-94 D '62.
- Notkin, S. E.** [Prevention of anemia in children] Preduprezhdeniye malokroviya u detei. Moskva, Medgiz, 1962. 21 p. (DNLM)
Origin of aplastic anemia in strongyloidiasis. I. U. I. Detsik, O. A. Shevchuk. Vrach. delo no. 1:118-119 Ja '63.
Sod as a means for prophylaxis and treatment of anemia in swine. P. E. Ladan, N. N. Belkina. Zhivotnovodstvo 23 no. 8:60-63 Ag '61.
Treatment of anemia with royal jelly preparation following pathological hemorrhages in labor. V. L. TSveer. Inform. biol. o mat. molech. no. 3:113-119 '62.
- ANEMOMETER**
The ATE-1 thermoelectric anemometer. V. M. Maevskaya, A. D. Morozov, A. A. Sviridov. Bezop. truda v prom. 6 no. 11:22-23 N '62.
- ANESTHESIA**
Anesthesia in artificial blood circulation. D. Ondrokhova, V. Findeva. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:77-86 '62.
- ANESTHESIA—COMPLICATIONS AND SEQUELAE**
Causes of toxic phenomena in intravenous anesthesia. V. P. Okhotakii. Nauch. trudy Chetv. Mosk. gor. khim. bol. no. 1:105-114 '61.
Some complications in modern anesthesia [in Georgian with summary in Russian]. A. V. Dzhorbenadze and others. Trudy Tbil. GIDUV 6:231-238 '62.
Total bronchospasm during anesthesia. A. S. Shernchuk. Klin. khir. no. 12:67-68 D '62.
- ANESTHESIA, ENDOTRACHEAL** see Intratracheal anesthesia
- ANESTHESIA IN CHILDHOOD** see Pediatric anesthesia
- ANESTHESIA IN VETERINARY SURGERY**
Barbamil narcosis for lambs and sheep. Z. A. Agapova. Veterinarika 37 no. 11:66 N '60.
Incompatibility of preoperative intratissular infiltration of novocaine solutions and the consecutive application of sulfanilamide powder to the wound. V. V. Varnikov. Veterinarika 37 no. 7:66-68 Ji '60.
- ANESTHESIOLOGY**
Minutes of the 53rd session of the Anesthesiological Section of the Pirogov Surgical Society, May 30, 1962. M. G. Shraiber. Vest. khir. 89 no. 1:155-158 N '62.
Smol'nikov, V. P. [Problems of emergency anesthesiology] Voprosy ekstremnoi anesteziologii. Moskva, Medgiz, 1962. 63 p. (Biblioteka prakticheskogo vracha) (DNLM)
- ANESTHETICS**
"Just an experiment." I. U. Furmanov. Ukraina no. 1:7 Ja '63.
- ANGARA VALLEY—GEOLOGY, STRATIGRAPHIC**
Jurassic coal-bearing formation of the Angara-Chulym Mesozoic trough. P. P. Timofeev. Dokl. AN SSSR 147 no. 5:1160-1163 D '62.
- ANGARA VALLEY—PHYTOGEOGRAPHY**
Possibility of using the geobotanical method in geological mapping and in surveys in the Angara-Ilim area. B. Z. Litvin, O. A. Osipova, M. V. Frolova. Razved. i okh. neft. 29 no. 1:27-30 Ja '63.
- ANGARSK—PETROLEUM INDUSTRY—HYGIENIC ASPECTS**
Conscience of the collective. M. Angarskaya. Okhr. truda i sots. strakh. 5 no. 12:13-14 D '62.
- ANGARSK—PRECAST CONCRETE CONSTRUCTION**
Angarsk is being built of air-entrained fly-ash concrete. R. Zharabov, I. Zverev. Na stroi. Ros. 3 no. 3:25-27 Mr '62.
- ANGINA PECTORIS**
Liberman, T. I. [Angina pectoris] Grudnaya zhaba. Leningrad, Medgiz, 1962. 31 p. (Nauchno-populiarnaya meditsinskaya literatura) (DNLM)
Treatment of stenocardia patients with the preparation erinit [with summary in English]. V. E. Murashko. Vrach. delo no. 11:25-29 N '62.
Treatment of stenocardia with royal jelly preparation. L. P. Bekhteva. Inform. biol. o mat. molech. no. 3:109-112 '62.
- ANGIOMA**
Treatment of cavernous angiomas of the nasal cavity. S. I. Alekseev. Zhur. ush., nos. i gorl. bol. 22 no. 4: 86-87 Ji-Ag '62.
- ANGREN VALLEY—ORE DEPOSITS**
Prospects for the mining of refractory materials in the Angren Valley. M. I. Ibratimov, A. A. Lebedkova. Ogneupory 28 no. 3:112-114 '63.
- ANGULAR MOMENTUM (NUCLEAR PHYSICS)**
Problem of polarization characteristics of electrons from the μ^+ -meson decay. B. K. Kerimov and others. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:39-35 Mr-Ap '62.
- ANHYDRIDES**
Reactions of cyanamide with aliphatic acid anhydrides. Part 1. L. E. Kretov, A. P. Momenko. Zhur. ob. khim. 33 no. 2:397-399 F '63.
- ANILIDES**
Esters of monoaryldes of phenylphosphinic acid. I. M. Zhmurova. Zhur. ob. khim. 33 no. 2:549-551 F '63.
- ANILINE**
Structure and reactivity of the condensation products of aromatic amines with aliphatic aldehydes. Part 1: Isomerism and structure of ethyldenaniline dimers. V. I. Minkin, Zh. A. Tumakova. Zhur. ob. khim. 33 no. 2:642-646 F '63.
- ANILINE—DIPOLE MOMENTS**
Structure and reactivity of the condensation products of aromatic amines with aliphatic aldehydes. Part 2: Dipole moments and conformations of ethyldenanilines. V. I. Minkin, M. I. Gorelov, Zhur. ob. khim. 33 no. 2:647-652 F '63.
- ANIMAL COLORATION** see Color of animals
- ANIMAL INTRODUCTION** see subdivision under Ural Mountain region
- ANIMAL MIGRATION**
(see also subdivision under Amur Province; Caucasus; Soviet Central Asia)
State of the study of the migration of bats in the U.S.S.R.; based on the data of banding. V. S. Pokrovskii, I. U. M. Shchadilov. Migr. zhiv. no. 3:10-20 '62.
- ANIMAL POPULATION** see subdivision under Terskel Ala-Tau
- ANIMALS, EXPERIMENTAL** see Laboratory animals
- ANIMALS, HABITS AND BEHAVIOR OF**
Stubborn actors. M. Zaplatin. Vokrug sveta no. 11: 58-60 N '62.
- ANIMALS, MARKING OF**
(see also subdivision under Caspian Sea region; White Russia)
Development of the marking of mammals in the U.S.S.R. V. S. Pokrovskii, I. U. M. Shchadilov. Migr. zhiv. no. 3: 5-9 '62.
- ANIMALS AS CARRIERS OF DISEASE** see subdivision under Siberia, Western; Soviet Central Asia
- ANIMALS IN MOTION PICTURES**
Unusual city. Oksana Chernikova. Sov. Sotuz no. 3:12-39 '63.
- ANISOTROPY**
Effect of anisotropy of rocks on the results obtained by the electric correlation method. A. V. Tarasov. Ma. po geol. i pol. iskop. Urals no. 10:147-156 '62.
- ANNEALING OF METALS**
Heat treatment of weldments made by pressure gas welding. T. A. Vladimirovskii. Svar. proizv. no. 1:12-13 Ja '63.
Refining transformer steel during heat treatment. V. G. Borisenko, R. M. Kosholevskii, M. I. Vainshtok. Sull' 23 no. 1:81-84 Ja '63.
- ANNIVERSARIES**
Anniversary calendar. Klub 12 no. 7:38-39 Ji '62.
Anniversary calendar. Klub 12 no. 8:38-39 Ag '62.
Anniversary calendar. Kul't.-pros. rab. 23 no. 4:80-81 Ap '62.
Anniversary calendar. Kul't.-pros. rab. 23 no. 6:66-61 Je '62.
Anniversary calendar. Kul't.-pros. rab. 23 no. 8:56-57 Ag '62.
Anniversary calendar. Kul't.-pros. rab. 23 no. 10:53-63 O '62.
Calendar of anniversaries. Kul't.-pros. rab. 23 no. 9: 80-81 S '62.
Calendar of anniversaries in March. Kul't.-pros. rab. 23 no. 12:56-59 D '62.
Dates, events, and people. Komm. Bel. 37 no. 2:78-75 F '63.
Glancing through the calendar. Klub 11 no. 4:38-39 Ap '62.
Glancing through the calendar. Klub 11 no. 5:38-39 My '62.
History calendar. Prep. ist. v shkole 18 no. 1:127-128 Ja-F '63.
Looking through the calendar. Klub 11 no. 6:38-39 Je '62.
Looking through the calendar. Klub 12 no. 1:38-39 Ja '63.
Noteworthy dates. Nar. obr. no. 2:127 F '63.
Our anniversary calendar. Sots. kul't. no. 2:46 F '63.
Our calendar. Mol. komm. no. 5:82-84 My '62.
Short calendar of physics, technology and astronomy for 1963. S. I. Seleznevskii. Fiz. v shkole 22 no. 6:97-103 N-D '62.
Years, events, and people. Volov. atelst 3 no. 2:47 F '63.

ANOXEMIA

- Protective effect against X rays of the adaptation to hypoxia in combination with an acute hypoxia. G. A. Vasil'ev, V. A. Beliaev. Radiobiologiya 3 no. 1:117-120 '63.
- Training regime and some indicators of the adaptation capacity of rats to deep hypoxic-hypercapnic hypothermia. N. V. Korostovtseva. Fiziol. zhur. 48 no. 12: 1466-1470 D '62.

ANTARCTIC REGIONS—AERONAUTICS IN METEOROLOGY

- Airborne meteorological observations. Inform. biul. Sov. antark. eksp. no. 34:35-39 '62.

ANTARCTIC REGIONS—BIBLIOGRAPHY

- Bibliography. Inform. biul. Sov. antark. eksp. no. 33: 54-57 '62.

ANTARCTIC REGIONS—CARTOGRAPHY

- Mapping. Inform. biul. Sov. antark. eksp. no. 34:56-61 '62.

ANTARCTIC REGIONS—EVAPORATION

- Role of evaporation in Antarctica. I. D. Kopanov. Inform. biul. Sov. antark. eksp. no. 33:32-34 '62.

ANTARCTIC REGIONS—GEOGRAPHY

- Geography. Inform. biul. Sov. antark. eksp. no. 34:52-55 '62.

ANTARCTIC REGIONS—GEOLOGY

- Geology. Inform. biul. Sov. antark. eksp. no. 34:61-63 '62.

ANTARCTIC REGIONS—GEOMORPHOLOGY

- Possible effect of the earth's rotation forces on the morphological structure of the Arctic and the Antarctic. P. S. Voronov, I. A. Gakkel', A. D. Sytnitskii. Probl. Arkt. i Antark. no. 10:17-24 '62.

ANTARCTIC REGIONS—GEOPHYSICAL RESEARCH

- By radio from Antarctica. Inform. biul. Sov. antark. eksp. no. 33:46-48 '62.

ANTARCTIC REGIONS—GEOPHYSICS—OBSERVATIONS

- Geophysics. Inform. biul. Sov. antark. eksp. no. 34:17-35 '62.

ANTARCTIC REGIONS—GLACIOLOGY

- Glaciology. Inform. biul. Sov. antark. eksp. no. 34:39-48 '62.

ANTARCTIC REGIONS—HUMIDITY

- Determining air moisture at low temperatures; based on observational data in the Antarctic. S. A. Smirnov. Trudy GGO no. 129:122-133 '62.

ANTARCTIC REGIONS—MAPS

- Relief map of the Antarctic. A. P. Treshnikov. Probl. Arkt. i Antark. no. 10:5-9 '62.

ANTARCTIC REGIONS—OCEANOGRAPHY

- Oceanography. Inform. biul. Sov. antark. eksp. no. 34: 48-51 '62.

ANTARCTIC REGIONS—RUSSIAN EXPLORATION

- General problems. Inform. biul. Sov. antark. eksp. no. 34:7-17 '62.

- Russian glory on the map of the world. G. Khaib. Vokrug sveta no. 11:12 N '62.

- Sovetskaya antarktikheskaya ekspeditsiya, 1955- [Soviet Antarctic Expedition, 1955-] Trudy, Leningrad, Izd-vo "Morskoi transport."

- Vol. 19. [Third sea expedition on the diesel-electric ship "Ob", 1957-1958; general description and scientific results] Tret'ia morskaya ekspeditsiya na d/o "Ob", 1957-1958 gg.; obshchee opisaniye i nauchnye rezul'taty. Pod red. V. G. Korta. 1961. 208 p. [MICROFILM]

- Sovetskaya antarktikheskaya ekspeditsiya, 1955- [Soviet Antarctic Expedition, 1955-] Trudy, Leningrad, Izd-vo "Morskoi transport."

- Vol. 20. [Fourth and fifth voyages of the diesel-electric ship "Ob", 1958-1960; scientific results and observation data] Chetvertiy i piyaty reysy d/o "Ob", 1958-1960 gg.; nauchnye rezul'taty i materialy nabludeni. Pod red. V. Kh. Buititskogo i I. V. Makeimova. 1962. 311 p. [MICROFILM]

- Sovetskaya antarktikheskaya ekspeditsiya, 1955- [Soviet Antarctic Expedition, 1955-] Trudy, Leningrad, Izd-vo "Morskoi transport."

- Vol. 24. [Second and Third Continental Expeditions 1957-1958; observation data] Vtoraya i tret'ia kontinental'nye ekspeditsii, 1957-1958 gg.; materialy nabludeni. Pod red. S. M. Mansurova. 1962. 576 p. [MICROFILM]

ANTARCTIC REGIONS—TERRACES (GEOLOGY)

- Marine-cut terraces along the coast of Antarctica. S. A. Evseev. Inform. biul. Sov. antark. eksp. no. 33: 20-28 '62.

ANTENNAS (ELECTRONICS)

- Antenna arrays with increasing spacing between radiators according to arithmetical progression [with summary in English]. IU. M. Zhidko. Izv. vys. uch. zav. i radiofiz. 5 no. 6:1144-1150 '62.

- Antenna systems for coastal ultra-short-wave radio-telephone stations. M. V. Vershkov, T. A. Onishchenko. Inform. sbor. TSNIIMF no. 66, Sudovozh. i svyaz' no. 17:38-45 '61.

- Belotserkovskii, G. B. [Antennas] Antenny. Izd. 2., perer. i dop. Moskva, Oborongiz, 1962. 481 p.

- Present state of the development of antenna synthesis theory. I. A. N. Fel'd, L. D. Bekhrakh. Radiotekh. i elektron. 8 no. 2:187-205 F '63.

ANTHELMINTICS

- Copper sulfate and tin arsenate in sheep monieziasis. P. K. Svadzhlan, S. T. Mikaelian, O. G. Alakherdian. Veterinariia 37 no. 7:41-42 JI '60.

ANTHRACENE

- Chemiluminescence activated by anthracene derivatives. R. F. Vasil'ev, A. A. Vichutinskii, A. S. Cherkasov. Dokl. AN SSSR 149 no. 1:124-127 Mr '63.

ANTHRACITE COAL

- Experimental study of the combustion of pulverized anthracite culm in the furnaces of large steam boilers. S. L. Shaglova and others. Teploenergetika 10 no. 2:2-9 F '63.

ANTHRAQUINONES

- Derivatives of ceramidine. Part I: Dehydration of 1,4-diarylaminoanthraquinones. N. I. Grineva, V. V. Puchkova, V. N. Ufimtsev, Zhur. ob. khim. 33 no. 2:597-600 F '63.

ANTHRAX

- Antibiotics in the case of experimental anthrax in animals. G. V. Cheglova. Veterinariia 37 no. 7:43-44 JI '60.
- Clinical aspect and diagnosis of anthrax. V. N. Leitman. Sbor. rab. Sverd. med. inst. no. 32:60-63 '61.

ANTHROPOLOGICAL RESEARCH

- Methods of photographic documentation for anthropological investigations. O. M. Pavlovskii. Vop. antr. no. 10: 99-109 '62.

ANTHROPOLOGY

- (see also subdivision under Japan)

- Anthropology in the Russian popular journals, "Moskovskii telegraf" and "Biblioteka dlia chlenia," during the thirties of the 19th century. N. G. Zaklind. Vop. antr. no. 10:139-152 '62.
- Present state and current problems in Soviet anthropology. V. V. Bunak. Vop. antr. no. 10:16-28 '62.

ANTHROPOLOGY—BIBLIOGRAPHY see Bibliography—Anthropology

ANTHROPOLOGY—CONGRESSES

- "Austrian contributions to research on the past and the cultural history of mankind, with special regard to Central Europe. A report on the First Austrian Symposium at the Wartenstein Castle from September 8 to 12, 1958" [in German]. Reviewed by M. I. Uryson. Vop. antr. no. 10:162-164 '62.

ANTHROPOMETRY

- Phenomena of symmetry and asymmetry in the dermatoglyphic characteristics of man. T. D. Gladkova. Vop. antr. no. 10:44-54 '62.

ANTIBIOTICS

- Protective action of vaginal bacilli. Report No. 1: Antagonistic properties of vaginal bacilli. E. N. Rysakova. Sbor. rab. Sverd. med. inst. no. 32:146-146 '61.

- Protective action of vaginal bacilli. Report No. 2: Antibiotic properties of vaginal bacilli. E. N. Rysakova. Sbor. rab. Sverd. med. inst. no. 32:146-153 '61.

ANTIBIOTICS

- "Antibiotic therapy of typhoid and paratyphoid fever with levomycetin and synthiomycin" by S. E. Shapiro, A. K. Piotrovich. Reviewed by I. P. Galushkin. Sov. med. 26 no. 12:124-125 D '62.

- Antibiotics in the case of experimental anthrax in animals. G. V. Cheglova. Veterinariia 37 no. 7:43-44 JI '60.

- Antibiotics in veterinary medicine. V. I. Mutovin. Veterinariia 38 no. 10:81-88 O '61.

- Combined therapy of experimental melioidosis. L. E. Khundanov and others. Veterinariia 38 no. 10:55-57 O '61.

- Effect of antibiotics on the development of the internal organs, dressing percentage and chemical composition of pork and lard. I. I. Arlov, A. V. Nikolaeva. Veterinariia 38 no. 10:67-70 O '61.

- Effect of some antibiotics on the liver in experimental toxic hepatitis. T. S. Iuzefovich. Trudy Kish. gos. med. inst. 11:137-140 '60.

- Effect of some antibiotics upon the formation of immunity under experimental conditions. I. A. R. Kovalenko, N. T. Tatarintsev. Trudy VIEV 26:8-25 '62.

- Experience in antibiotic treatment of typhus fever. G. M. Pastukhova. Sbor. rab. Sverd. med. inst. no. 32:139-141 '61.

- In the Ministry of Agriculture of the U. S. S. R. Veterinariia 37 no. 7:91-92 JI '60.

- Mechanism of the action of antibiotics; effect of some antibiotics on the immunobiologic reactivity in animals under experimental intoxication. V. N. Derkach. Izv. AN Mold. SSR no. 7:47-54 '62.

- Simplified rotary single-stage shaking machine for the production of liquid forms of antibiotics. E. S. Evdokimov, IU. I. Tolstov, V. S. Ostanin. Veterinariia 38 no. 10:75-76 O '61.

- Testing antibiotics and sulfodimazine in the paratyphoid fever of calves. F. D. Lukashenko. Trudy Uz. nauch. issl. inst. vet. 14:21-25 '61.

- Tuberculostatic properties of mixed thiosemicarbazone guanthydrazone 1,3-indandione, a representative of a new type of antitubercular substances. V. I. A. Grinshtein and others. Dokl. AN SSSR 147 no. 5:1083-1085 D '62.

- "Use of antibiotics in plant growing." Reviewed by G. A. Shekarian. Izv. AN Arm. SSR. Biol. nauki 15 no. 8:91-98 Ag '62.

- Use of some antibiotics and biologicals against brucellosis in animals. Report No. 1. M. M. Sataev. Trudy Uz. nauch. issl. inst. vet. 14:55-59 '61.

ANTICOAGULANTS (MEDICINE)—PHYSIOLOGICAL EFFECT

- Results of the clinical study of "ankumar." T. Kh. Zaitseva, L. N. Chernysheva, M. V. Shakhnazarova. Vrach. delo no. 1:110-121 Ja '63.

ANTI-COMMUNIST MOVEMENTS

- (see also subdivision under White Russia)

- Novikov, A. I. [Ideology of the doomed] Ideologiya obroshchennykh. [Leningrad] Leningrad, 1962. 138 p.

- Novikov, A. I. [Scientific communism and the impotence of its critics] Nauchnyi kommunizm i besallie ego kritikov. Leningrad, Ob-vo po rasprostraneniya polit. i nauchn. znaniy RSFSR, 1962. 50 p.

ANTIGENS AND ANTIBODIES

- Accumulation of complement fixation antibodies in children vaccinated with a live antineasles vaccine. E. S. Shikina, L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 22:32-42 '61.

- Antigen structure of influenza B virus strains isolated in Leningrad in recent years. I. S. Kluchareva. Trudy Len. inst. epid. i mikrobiol. 17:20-28 '68.

- Antileucocytic antibodies in leucopenic conditions [with summary in English]. L. D. Karpenko. Vrach. delo no. 1:43-47 Ja '63.

- Arthus's phenomenon with polysaccharides and other complex associated preparations [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:147-153 '60.

- Biological properties and the antigenic interrelationships of strains of the rabies street virus isolated in 1952-1955. N. A. Pliskareva. Trudy Len. inst. epid. i mikrobiol. 17:197-207 '58.

- Comparative study of the biological and antigenic properties of derivative strains of fixed rabies virus. N. A. Pliskareva. Trudy Len. inst. epid. i mikrobiol. 17:188-198 '58.

- Detection of specific tumor antigens in the blood of patients with brain tumors. V. A. Korenevskaia. Probl. sovr. neirokhir. 4:307-314 '62.

- Diagnostic and immunological characteristics of antigens separated from Thysanleia and Dirocoelium. Sh. A. Azimov. Trudy Uz. nauch. issl. inst. vet. 14:177-187 '61.

- Immunochemical analysis of liver proteins in radiation sickness. O. I. A. Treshchenko, E. M. Belisova, L. F. Mikhailova. Radiobiologiya 3 no. 1:93-98 '63.

- Indirect hemagglutination reaction as a method for determining the formation of antibodies to listeria [with summary in English]. R. Karpov. Trudy TomNIIVS 11:228-231 '60.

- Method for studying the antigenic properties of rabies virus. N. A. Pliskareva. Trudy Len. inst. epid. i mikrobiol. 17:180-187 '58.

- Preparation of listeria antigen for the indirect hemagglutination reaction [with summary in English]. L. A. Burenkova. Trudy TomNIIVS 11:225-227 '60.

- Reaction of indirect hemagglutination in listeriosis immunology [with summary in English]. A. A. Tripolitova. Trudy TomNIIVS 11:218-224 '60.

- Relativity of radiation-induced immunological tolerance. R. V. Petrov, V. F. Sosova. Radiobiologiya 3 no. 1: 99-103 '63.

- Specific properties of cerebral diagnosticum precipitated in methyl alcohol in tick-borne encephalitis [with summary in English]. M. K. Tushniakova and others. Trudy TomNIIVS 11:66-71 '60.

- Titration of antineasles antibodies in donor sera and gamma globulin. L. M. Boichuk, E. S. Shikina, N. A. Pliskareva. Trudy Len. inst. epid. i mikrobiol. 22:64-73 '61.

- ANTIGENS AND ANTIBODIES—ANALYSIS**
Complement fixation reaction using tissue (animal) antigens for the diagnosis of Botkin's disease. Trudy Khim. gos. med. inst. 11:65-70 '60.
Thermal stability of normal antibodies; report no. 1 [with summary in English]. M. V. Vasil'ev. Trudy Tomskivs 11:177-180 '60.
- ANTIMETABOLITES**
Potential metabolites. Part 4: Derivatives of 3-uracilacetic acid. IU. P. Shvachkin, M. T. Azarova. Zhur. ob. khim. 33 no. 2:590-595 F '63.
- ANTIMONY—ANALYSIS**
Thermoelectric method for determining antimony in lead-antimony alloys. P. D. Korzh, G. P. Guliaeva, I. N. Giniatulin. Zav. lab. 29 no. 3:289-291 '63.
- ANTIMONY-LEAD ALLOYS** see Lead-antimony alloys
- ANTIMONY SELENIDE**
Conductance and viscosity of alloys in the system Sb - Sb₂Se₃ in solid and liquid states. G. F. Gubskaya, I. V. Evfimovskii. Zhur. neorg. khim. 7 no. 12:2782-2787 D '62.
- ANTI-NAZI MOVEMENT** see subdivision under Germany
- ANTIOXIDANTS**
Increased effectiveness of the combined action of antioxidants (synergism). Part 2: Basic manifestations of the effect of antioxidant mixtures [with summary in English]. M. S. Kholopianskaia, A. F. Lukovnikov, P. L. Levin. Vysokom. seed. 5 no. 2:195-200 F '63.
- ANTIQUITIES** see Archaeology; also subdivision 'Antiquities' under Agzhabedi District; Aral Sea region; Azerbaijan; Bafareyka; Delhi; Egypt; Ivanovo Province; Karbuna; Kashba-Dar'ya Valley; Kazakh District; Killok Valley; Krimulda; Malye Ushkan'i Islands; Mongolia; Moscow; Moscow Valley; Osh Province; Sukhumi District; Tassili-N-Ajjer; Tili; White Russia; Zhdanovsk
- ANTIRELIGIOUS MOTION PICTURES** see Motion pictures, Antireligious
- ANTONENKO-DAVYDOVICH, BORYS, pseud.**
"My subjects and methods" by B. Antonenko-Davydovich. Reviewed by Ivan Savych. Ukraina no. 1:16 Ja '63.
- ANTONI, Metropolitan of Saint Petersburg and Ladoga, 1846-1912**
Antoni, Metropolitan of Saint Petersburg and Ladoga. V. Talm. Zhur. Mosk. Patr. no. 2:65-72 F '63.
- ANTONI, Metropolitan of Stavropol and Baku, 1886-1962**
Metropolitan Antonii; obituary. Zhur. Mosk. Patr. no. 12: 20-22 D '62.
- ANTRUM OF HIGHMORE** see Maxillary sinus
- ANTS—DISEASES** see subdivision under Kirghizistan
- ANUCHIN, DMITRI NIKOLAEVICH, 1843-1923**
The second memorial conference dedicated to Academician D. N. Anuchin. M. S. Vaino. Vop. antr. no. 10:153-154 '62.
- ANUS—ABNORMALITIES AND DEFORMITIES**
Treatment of fistulous forms of rectal and anal atresia [with summary in English]. T. S. Iakovleva. Vest. khir. 89 no. 11:119-125 N '62.
- AORTA**
Changes in form of the aortic arches and the nature of branching of the arch vessels in man in ontogenesis. G. A. Sokolov. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:141-147 '58.
Right and left arches of the aorta. G. A. Sokolov. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:174-177 '58.
- AORTA—DISEASES**
Characteristics of the ballistocardiogram in aortic coarctations [with summary in English]. E. L. Macheret. Vrach. delo no. 1:62-65 Ja '63.
- AORTA—WOUNDS AND INJURIES**
Hemorrhage from the aorta caused by a foreign body in the esophagus. E. M. Vovchenko, N. P. Kuz'minskii. Klin. khir. no. 11:72-74 N '62.
- APARTMENT HOUSES**
(see also subdivision under Bucharest; Chelyabinsk; Czechoslovakia; Estonia; Karaganda; Kherson; Kuznetsk Basin; Latvia; Leningrad; Lithuania; Magadan Province; Sverdlovsk; Ufa)
Causes of breakdowns of series 1-447S apartment houses. A. Shishkin. Na stroi. Ros. 3 no. 12:31-32 D '62.
Experimental houses made without cement. L. Khavkin. Na stroi. Ros. 3 no. 3:21-24 Mr '62.
Galkin, I. G. [Planning operations completion in housing construction] Planirovanie zadela v zhilishchnom stroitel'stve. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 45 p. (Akademika stroitel'stva i arkhitektury SSSR. Institut ekonomiki stroitel'stva. Nauchnye soobshchenia, no. 14)
- Large-panel houses for railroad workers with reed insulation. I. Nuzhdin. Zhil. stroi. no. 1:8-10 '63.
Large silicacalcite elements for apartment houses. N. Vasil'ev. Na stroi. Ros. 3 no. 3:25-25 Mr '62.
Pile foundations of large-panel apartment houses. M. Artemenko. Zhil. stroi. no. 1:16-17 '63.
Poradnia, A. I., and others. [Planning and accounting in housing construction combines] Planirovanie i uchët v domostroitel'nykh kombinatakh; na opyte Leningradskikh DSK. Leningrad, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1962. 102 p.
Problems of the design of a two-apartment section [with summary in English, p. 70]. V. V. Kolesnykov, L. A. Zahorians'ka, G. I. Lavryk. Visnyk ABIA USSR no. 3:3-7 '62.
Raise the quality of large-panel housing construction. Zhil. stroi. no. 1:1-2 '63.
Use of a precast reinforced concrete frame in housing construction. L. Bogatkin. Zhil. stroi. no. 1:3-5 '63.
- APARTMENT HOUSES—ACCOUNTING**
Cost accounting and the organization of apartment-house management. E. I. Anovskaya. Zhil.-kom. khoz. 12 no. 9:20-22 S '62.
- APARTMENT HOUSES—BIBLIOGRAPHY** see Bibliography—Apartment houses
- APARTMENT HOUSES—CONGRESSES**
Carry out the recommendations of the zonal conferences. Na stroi. Ros. 3 no. 2:1 F '62.
- APARTMENT HOUSES—DESIGN AND CONSTRUCTION** (see also subdivision under Leningrad)
Construction of large-panel apartment houses. K. Zhukov. Arkhit. SSSR no. 2:26-29 '63.
Features of the development of building processes in the erection of residential buildings over mines [with summary in English, p. 70]. M. M. Dav'skii, I. E. D. Kosenkov. Visnyk ABIA USSR no. 3:38-40 '62.
Problems of the quality of large-panel buildings. L. Lopovok. Sov. arkhitekt. no. 14:7-20 '62.
- APARTMENT HOUSES—MAINTENANCE AND REPAIR** (see also subdivision under Komi A.S.S.R.)
Composite floors in the major repair of apartment houses. A. Beliaev. Zhil.-kom. khoz. 12 no. 10:16-16d O '62.
Take care of the house in which you dwell. M. Vershinin. Sov. deput. trud. no. 3:36-40 Mr '63.
- APARTMENT HOUSES—VIBRATION**
Actual measurements of the vibrations of a large-panel apartment house. V. S. Pavlyk. Trudy TSNIISK no. 10: 124-143 '62.
- APARTMENT HOUSES, COOPERATIVE**
Develop cooperative housing construction. D. Pud'kov. Zhil. stroi. no. 1:6 '63.
- APES**
"Apes, considered seriously" [in German] by Wolfgang Ulrich. Reviewed by T. D. Gladkova. Vop. antr. no. 10:166-167 '62.
- APHASIA**
Analysis of the disturbances of speech comprehension in temporal aphasia. N. A. Kryshova, E. P. Kok, V. M. Shklovskii. Dokl. APN 6 no. 5:117-120 '62.
- APHINAGORAS, Archbishop of Flatir, 1885-1962**
Most Eminent Aphinagoras, Archbishop of Flatir; obituary. Zhur. Mosk. Patr. no. 12:57-58 D '62.
- APHYLLIDINE**
Alkaloids of the C₁₅ series. Part 10: Hydrogenation of aphyllidine and aphyllidinic acid. A. I. Ishbaev, A. S. Sadykov, Kh. A. Aslanov. Zhur. ob. khim. 33 no. 2: 687-689 F '63.
- APHYLLIDINIC ACID**
Alkaloids of the C₁₅ series. Part 10: Hydrogenation of aphyllidine and aphyllidinic acid. A. I. Ishbaev, A. S. Sadykov, Kh. A. Aslanov. Zhur. ob. khim. 33 no. 2: 687-689 F '63.
Alkaloids of the C₁₅ series. Part 11: Transformation of aphyllidinic acid to pachycarpine (d-sparteine). A. S. Sadykov and others. Zhur. ob. khim. 33 no. 2: 689-693 F '63.
- APNOEA**
Electrostimulation of the diaphragmatic nerves in apnoea [with summary in English]. R. S. Svidler, S. A. Geshelin. Vest. khir. 89 no. 11:75-80 N '62.
- APOPLEXY**
Changes in the sugar content of the blood in cerebral hemorrhages. R. I. Borisenko. Vrach. delo no. 1:35-40 Ja '63.
- APPELLATE COURTS**
High calling of the Soviet judge. A. Kudriakov. Sov. iust. no. 3:25-26 F '63.
- APPELLATE PROCEDURE**
Moskvin, S. S. [Review of judicial decisions and rulings in civil cases by the presidiums of appellate courts] Peresmotr sudebnykh reshenii i opredelenii po grazhdanskim delam prezidiumov sudov. Moskva, Gosizdat, 1962. 165 p.
- APPENDECTOMY**
Complications and fatal results of appendectomy for 14 years (1946-1959). A. I. Korneev. Nauch. trud. Chetv. Mosk. gor. klin. bol., no. 1:160-173 '61.
- APPENDICITIS**
X-ray diagnosis of chronic appendicitis. G. M. Sagatelian. Vop. rent. i onk. 6:57-66 '61.
- APPENDIX (ANATOMY)**
Interrelation of the vertebral process with adjacent organs. P. P. Kulik. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:18-28 '59.
- APPLE** (see also subdivision under Kabardino-Balkar A.S.S.R.; Sevan Lake region; Transcarpathia)
Determining pectin substances in apples by means of a photoelectric colorimeter according to the coloring reaction. T. K. Gaponenkov, Z. I. Protasenko. Koms. i ov. prom. 18 no. 1:29-30 Ja '63.
Period of rest of the root system of the apple tree. I. A. S. Nesterov. Dokl. AN SSSR 147 no. 5:1230-1231 D '62.
- APPLE—VARIETIES**
Valuable local apple varieties in the central provinces of the R. S. F. S. R. B. Arkhangelskii. Sbor. nauch. i issl. rab. VSKH 1 no. 1:85-87 '62.
- APPLE JUICE**
Effect of apple juice on bile secretion [with summary in English]. A. G. Kondilenko. Vrach. delo no. 1:16-20 N '62.
Use of ferment preparations in the production of apple juice. B. P. Bohrnakov and others. Koms. i ov. prom. 18 no. 2:6-8 F '63.
- APPLE JUICE—PRESERVATION**
Use of gamma rays and sorbic acid as a means to lengthen the keeping time of apple juice. B. P. Bregvadze. Koms. i ov. prom. 18 no. 2:9-11 F '63.
- APPLIED MECHANICS** see Mechanics, Applied
- APPRAISAL OF BOOKS** see Books—Review
- APPROXIMATE COMPUTATION**
Approximate methods for solving incorrect problems. S. G. Krein, O. I. Prozorovskii. Zhur. vych. mat. i mek. fiz. 3 no. 1:129-130 Ja-F '63.
Involutional transformations and the method of successive approximations for elliptic equations. A. I. Koshalev. Dokl. AN SSSR 148 no. 2:274-276 Ja '63.
Use of a process of consecutive approximations in solving certain types of functional equations. B. V. Shimonov. Dokl. AN SSSR 148 no. 3:534-537 Ja '63.
- APSHERON ARCHIPELAGO—GAS, NATURAL—GEOLOGY**
Outlook for finding oil and gas in Lower Tertiary and Cretaceous sediments on the Darwin Shal' field. I. R. Reikhsman, B. M. Kerimov. Azerb. neft. khoz. 41 no. 11:7-9 N '62.
- APSHERON ARCHIPELAGO—PETROLEUM GEOLOGY**
Outlook for finding oil and gas in Lower Tertiary and Cretaceous sediments on the Darwin Shal' field. I. R. Reikhsman, B. M. Kerimov. Azerb. neft. khoz. 41 no. 11:7-9 N '62.
Preliminary prospecting in the region of the Apsheron Shal'. I. R. Reikhsman, B. M. Kerimov, D. A. Dzhevan-shir. Azerb. neft. khoz. 41 no. 4:9-10 Ap '62.
- APSHERON PENINSULA—GAS, NATURAL—GEOLOGY**
Subsurface structure of Apsheron oil- and gas-bearing province. K. A. Ismailov, R. M. Gadzhiev. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefi no. 4:17-29 '62.
- APSHERON PENINSULA—GEOLOGY, STRATIGRAPHIC**
Correlation of the cross sections of the producing formation of the Sangachaly-More - Bala Island anticlinal zone in the western part of the Apsheron Peninsula and southeastern Kobistan. G. M. Usanov. Azerb. neft. khoz. 41 no. 5:3-7 My '62.
- APSHERON PENINSULA—OIL FIELDS—PRODUCTION METHODS**
Petroleum recovery from the Sabunchi series of the Balakany-Sabunchi-Ramny field. A. A. Dzhabayev. Azerb. neft. khoz. 41 no. 7:11-12 Ji '62.
- APSHERON PENINSULA—PETROLEUM—DENSITY**
Changes in the specific weights of the petroleum of the lower horizon in the Kirmuki series of the Fatmayy-Zykh anticlinal zone. M. S. Agalarov, A. M. Kurbanzade. Azerb. neft. khoz. 41 no. 5:9-11 My '62.

- APSHERON PENINSULA—PETROLEUM GEOLOGY**
Prospects for finding oil and gas in the offshore region of the Fatmay-Zych anticlinal zone and adjacent sectors. S. T. Ovnalov. *Azerb. nefi. khoz.* 41 no. 5: 1-3 My '62.
- Subsurface structure of Apsheron oil- and gas-bearing province. K. A. Ismailov, R. M. Gadzhiev. *Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefi* no. 4:17-29 '62.
- APSHERON PENINSULA—SORGHUM**
Effect of cultivation conditions on the biological and economic characteristics of sorghum in the Apsheron Peninsula. A. B. Bakhtamov. *Trudy Inst. gen. i sel. AN Azerb. SSR* 2:130-138 '62.
- APSHERON PENINSULA—STERNBERGIA**
Morphogenesis of Sternbergia on the Apsheron Peninsula. G. E. Kapinos. *Trudy Inst. bot. AN Azerb. SSR* 23:23-50 '62.
- APSHERON PENINSULA—TOMATOES—VARIETIES**
Effect of cultivation conditions on the growth, development and productivity of different tomato varieties. M. A. Musayev, T. I. Abdullaeva, T. M. Gvozdenko. *Trudy Inst. gen. i sel. AN Azerb. SSR* 2:122-129 '62.
- APSHERON PENINSULA—WHEAT**
Biological and economic characteristics of soft wheat specimens of different geographical origin raised in Apsheron. V. V. Emel'yanova. *Trudy Inst. gen. i sel. AN Azerb. SSR* 2:5-16 '62.
- ARABIC LANGUAGE—DIALECTS** see subdivision under Africa, North; Soviet Central Asia
- ARABIC LANGUAGE—DICTIONARIES**
Vimikov, L. N. [A dictionary of the dialect of the Bukhara Arabs] *Stovar' dialekta bukharskikh arabov*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 240 p. (Palestinskii sbornik, no. 10)
- ARABIS** see subdivision under Armenia
- ARABS** see subdivision under Bukhara
- ARAGATS, MOUNT—GLACIERS**
New data on the glaciers of Mount Aragats. F. A. Gevorgian. *Izv. AN Arm. SSR, Geol. i geog. nauki* 15:59-65 '62.
- ARAL SEA—HERRING**
Food of young Baltic herring (*Clupea harengus membras* L.) in the Aral Sea. N. K. Lukonina, N. E. Bykov. *Vop. ikht.* 2 no. 4:717-720 '62.
- ARAL SEA REGION—ANTIQUITIES**
Tel'sov, S. P. [In the ancient deltas of the Oxus and Jaxartes] *Po drevnim del'tam Oksa i Jaksarta*. Moskva, Izd-vo vostochnoi lit-ry, 1962. 321 p.
- ARAL SEA REGION—IRRIGATION CANALS AND FLUMES**
Tel'sov, S. P. [In the ancient deltas of the Oxus and Jaxartes] *Po drevnim del'tam Oksa i Jaksarta*. Moskva, Izd-vo vostochnoi lit-ry, 1962. 321 p.
- ARARAT REGION—ALGAE**
Materials on the algae of the Ararat Plain. N. N. Tam-bian. *Izv. AN Arm. SSR, Biol. nauki* 15 no. 8:83-85 Ag '62.
- ARAZDAYAN STEPPE—SOLONCHAK SOILS**
Expediency of leaching soda Solonchaks with water before chemical improvement [in Armenian with summary in Russian]. G. T. Ananian. *Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR* 5 no. 11:49-54 '62.
- ARBITRATION, INDUSTRIAL**
Order of case examinations in the Maritime Arbitration Commission. A. Shektorov. *Mor. flot* 23 no. 2:42 F '63.
- ARBITRATION AND AWARD**
(see also subdivision under Ukraine)
Antimonov, B. S. [Grounds for the contractual responsibility of socialist organizations] *Osnovaniia dogovornoj otvetstvennosti sotsialisticheskikh organizatsii*. Moskva, Gosizdat, 1962. 174 p.
- Decisions of arbitration agencies. *Sov. iust.* no. 2:32 Ja '63.
- Decisions of arbitration agencies. *Sov. iust.* no. 5:31-32 Mr '63.
- "The judicial system and civil procedure in capitalist countries" by A. D. Kellin. Reviewed by D. Ramzaitsev. *Vnesh. treg.* 42 no. 1:41-43 '63.
- Some economic disputes are detrimental to the interests of the Soviet state. I. Gorbunov. *Sov. iust.* no. 2:6-8 Ja '63.
- Volin, A. A. [Examination of economic conflicts by arbitration courts] *Razreshenie khoziaistvennykh sporov troitskimi sudami*. Moskva, Gosizdat, 1962. 48 p. (Biblioteka khoziaistvennika i rabotnika iuridicheskoi sluzhby)
- ARBORETUMS** see subdivision under Bryansk Province
- ARBUZOV REARRANGEMENT** see Rearrangements (Chemistry)
- ARC WELDING** see Electric welding
- ARCHAEOCYATHIDAE** see subdivision under Baikal Lake region
- ARCHAEOLOGICAL SPECIMENS—COLLECTION AND PRESERVATION**
Method of cleaning corroded archaeological specimens. P. I. Zakharov. *Soob. VTSNILKR* no. 3:62-65 '60.
- ARCHAEOLOGICAL SURVEYING** see subdivision under Abkhazia
- ARCHAEOLOGY**
(see also subdivision under Moscow Province; Russia, Northwestern; Toktogul region; also subdivision 'Antiquities' under Agzhadei District; Aral Sea region; Azerbaijan; Batareyska; Delhi; Egypt; Ivanovo Province; Karbuna; Kashba-Dar'ya Valley; Kazakh District; Khilok Valley; Krimulda; Malye Ushkan'i Islands; Mongolia; Moscow; Moscow Valley; Osh Province; Sukhumi District; Tassili-N-Ajjer; Tili; White Russia; Zhdanovsk)
Avdushin, D. A., and V. L. Iudin, eds. [Collected articles on history and archaeology; dedicated to Artemii Vladimirovich Arisikhovskii on his 60th birthday and the 35th anniversary of his scientific, pedagogical and public activities] *Istoriko-arkheologicheskie sborniki*. Artemiiu Vladimirovichu Arisikhovskomu k shestidesiatil'etiiu so dnia rozhdeniia i tridtsatipiatil'etiiu nauchnoi, pedagogicheskoi i obshchestvennoi deiatel'nosti. [Moskva, Izd-vo Mosk. univ., 1962] 305 p.
- On the origin of archaeological chemistry. K. A. Kapustinskaya. *Trudy Inst. ist. est. i tekhn.* 39:258-265 '62.
- Scientific session of the Hermitage in 1961. S. A. Brat-chenko. *Sov. arkheol.* 7 no. 1:327-329 '63.
- ARCHAEOLOGY—BIBLIOGRAPHY** see Bibliography—Archaeology
- ARCHAEOLOGY—CONGRESSES**
The Eighth All-Union Students' Conference. A. V. Gadlo. *Sov. arkheol.* 7 no. 1:329-331 '63.
- ARCHAEOLOGY—MAPS** see subdivision under Kazakhstan
- ARCHAEOLOGY—METHODOLOGY**
(see also subdivision under Azerbaijan)
Article on the methods of historical research. G. A. Koshelenko. *Vop. ist.* 38 no. 2:188-199 F '63.
- ARCHAEOLOGY—PERIODICALS** see subdivision under Vietnam, North
- ARCHANGEL—WOODPULP INDUSTRY**
Shops for the purification of sewage in the Archangel Combine. S. P. Sivokhin. *Hum. prom.* 36 no. 2:29 F '63.
- ARCHANGEL PROVINCE—ALGAE**
Algae as pioneers of burnt-over forests. A. V. Vereten-nikov. *Priroda* 52 no. 2:105 '63.
- ARCHANGEL PROVINCE—BAKERS AND BAKERIES**
Small bakeries or mechanized bakehouses? N. Fedovin. *Sov. deput. trud.* no. 3:85-86 Mr '63.
- ARCHANGEL PROVINCE—BIRDS—EGGS AND NESTS**
Distribution of nesting cavities in the Archangel taiga. G. N. Sevast'ianov. *Ornitologiya* no. 5:86-91 '62.
- ARCHANGEL PROVINCE—LUMBERING—SAFETY MEASURES**
Figures accuse. I. Sergeev. *Okhr. truda i zola, strakh.* 5 no. 12:22-23 D '62.
- ARCHANGEL PROVINCE—NEWSPAPER AND PERIODICAL CIRCULATION**
Hundreds of new activists. N. Mozhaitshev. *Raspr. pech.* no. 12:15 D '62.
- ARCHES**
Determining the value of the limit load for hingeless steel arches of constant section loaded by a system of point loads. L. N. Lebednits. *Trudy DIT* no. 32:188-197 '61.
- Mathematical analysis of steel hingeless arches of constant section taking into account plastic deformations. L. N. Lebednits. *Trudy DIT* no. 32:174-187 '61.
- ARCHITECTURAL DECORATION AND ORNAMENT** see Decoration and ornament, Architectural
- ARCHITECTURE**
(see also subdivision under Conakry, Guinea; Moscow; Uzbekistan)
Atelev, I. U. S., and I. O. Dmatkin. [Architecture] *Arkhitektura*, 2, dop. vyd. Kyiv, Derzh. vyd-vo obrazovorehogo mysl'tstva i muzychnoi lit-ry URSR, 1962. 38 p. (Biblioteka z pytan' mysl'tstva: Obrazovorehogo mysl'tstva)
For the finest architecture on earth! *Sov. arkhit.* no. 14: 3-6 '62.
- Just what is architecture? A. V. Ikonnikov. *Stroi. i arkhit. Len.* 24 no. 8:30-32 Ag '62.
- Organization of space and aesthetic expressiveness in architecture. A. Ikonnikov. *Arkhit. SSSR* no. 2:42-51 '63.
- ARCHITECTURE—CONGRESSES**
For the Seventh Congress of the International Union of Architects. *Arkhit. SSSR* no. 2:64 '63.
- ARCHITECTURE—DESIGNS AND PLANS**
List of standard plans for residential and public buildings for rural construction. *Bul. stroi. tekhn.* 20 no. 2:35-36 F '63.
- Principles of the organization of experimental design in the Ukraine. M. I. Medvedev. *Visnyk AHA URSR* no. 3:56-60 '62.
- ARCHITECTURE—HANDBOOKS, MANUALS, ETC.**
"Introduction to architectural design" by V. F. Krinskii and others. Reviewed by A. Zhuravlev, M. Fedorov. *Arkhit. SSSR* no. 2:61-63 '63.
- ARCHITECTURE, GREEK**
Opposed to altering the appearance of the classical monuments of Greece. N. Kotsamitis. *Sov. arkhit.* 133-136 '62.
- ARCHITECTURE, MODERN**
Formation of national schools in the modern architecture of capitalist countries. A. Ikonnikov. *Sov. arkhit.* no. 1:3:99-110 '62.
- My creative method. E. Saarinen. *Sov. arkhit.* no. 14: 121-133 '62.
- ARCHIVES**
(see also subdivision under Armenia; Bala District; Buryat A. S. S. R.; Gorkiy; North Kazakhstan Province; Pavlodar Province; Turkmenistan; Ukraine; Uzhgorod; Virgin Territory; Zhitomir Province; Zlatoust)
Acquisition of documentary materials by the archives of the Communist Party. M. I. Chugunov. *Vop. arkh.* 7 no. 3:55-59 Ji-S '62.
- An attempt to systematize the Archives of the Foreign Office in 1914. S. A. Levina. *Trudy MGAI* 16:421-426 '61.
- Brief news. *Vop. arkh.* 7 no. 3:129-134 Ji-S '62.
- Developing the microfilming of archival materials. *Vop. arkh.* 7 no. 3:61 Ji-S '62.
- How to organize the archives of your private papers and reference materials. G. A. Knaizev. *Vop. arkh.* 7 no. 3:87-90 Ji-S '62.
- Moscow. Gosudarstvennyi istoriko-arkhivnyi institut. [Program for the course on "Technical and motion-picture, photographic and sound documents and archives in the U. S. S. R."] *Programma kursa "Tekhnicheskoe i kino-foto-fondokumenty i arkhiy v SSSR."* Moskva, 1962. 25 p.
- Moscow. Gosudarstvennyi istoriko-arkhivnyi institut. [Program for the course on "The history and organization of archival work in the U. S. S. R."] *Programma kursa istorii i organizatsii arkhivnogo dela v SSSR.* Moskva, 1962. 44 p.
- The 250th anniversary of the establishment of Russian archival agencies. *Ist. arkh.* 8 no. 6:133-137 N-D '62.
- We should reorganize the microfilming of source materials. M. T. Evdokimov. *Vop. arkh.* 7 no. 3:92-93 Ji-S '62.
- The work of local party archives in 1961. V. V. Antkeev and others. *Ist. arkh.* 8 no. 6:181-183 N-D '62.
- ARCHIVES—LAW AND LEGISLATION** see subdivision under Hungary
- ARCHIVISTS**
A letter to the editor. *Vop. arkh.* 7 no. 3:135 Ji-S '62.
- ARCHIVISTS—EDUCATION AND TRAINING**
Education of archivists in Kiev University. S. A. Iakovlev. *Vop. arkh.* 7 no. 3:62-64 Ji-S '62.
- ARCTIC FOX** see subdivision under Greenland; Yamal Peninsula
- ARCTIC FOX—DISEASES AND PESTS** see subdivision under Yamal-Nenets National Area
- ARCTIC OCEAN—ATMOSPHERE**
Some results of studying the atmosphere above the Arctic Ocean. I. M. Dolgin. *Probl. Arkh. i Antarkt.* no. 11:31-36 '62.
- ARCTIC OCEAN—DRIFT**
Ice drifts in the Arctic basin and a change in the ice conditions on the course of the Northern Sea Route. A. L. Sokolov. *Probl. Arkh. i Antarkt.* no. 11:81-89 '62.
- ARCTIC OCEAN—ICE**
High latitude expedition in 1961 on the atomic icebreaker "Lening." D. D. Maksutov. *Probl. Arkh. i Antarkt.* no. 11:107-109 '62.
- ARCTIC OCEAN—OCEAN BOTTOM**
Twenty-five years of geological studies of the bottom of the Arctic Ocean. N. A. Belov, N. N. Lapina. *Probl. Arkh. i Antarkt.* no. 11:97-104 '62.
- ARCTIC REGIONS**
Seasonal variations of the carrying-out of ice from the Arctic basin into the Greenland Sea. G. N. Sergeev. *Probl. Arkh. i Antarkt.* no. 10:33-38 '62.

- ARCTIC REGIONS—AERIAL EXPLORATION**
High latitude airborne expeditions between 1956 and 1962. P. A. Gordienko, M. P. Kozlov. *Probl. Arkt. i Antarkt.* no. 11:105-107 '62.
- ARCTIC REGIONS—DEEP-SEA DEPOSITS**
Klenova, M. V. [Sediments of the Arctic Basin; based on materials from the drift of the icebreaker, "G. Sedov."]
Osnovki Arkticheskogo basseina po materialam drel'nykh i p. "G. Sedov." Moskva, Izd-vo Akad. nauk SSSR, 1962, 103 p.
- ARCTIC REGIONS—DRIFT**
High latitude airborne expeditions between 1956 and 1962. P. A. Gordienko, M. P. Kozlov. *Probl. Arkt. i Antarkt.* no. 11:105-107 '62.
Scientific observations and conditions of drift of the "North Pole" Station. P. A. Gordienko. *Probl. Arkt. i Antarkt.* no. 11:9-23 '62.
- ARCTIC REGIONS—EARTH—SURFACE**
Results of using geophysical methods to study the geology of the earth's crust in the central Arctic. R. M. Dement'skaya, A. M. Karasik, I. U. G. Kiselev. *Probl. Arkt. i Antarkt.* no. 11:91-95 '62.
- ARCTIC REGIONS—ELECTRIC LINES**
Unfading light. M. Golovenkov. *Grazhd. sv.* 19 no. 10: 7 O '62.
- ARCTIC REGIONS—GEOLOGY, STRUCTURAL**
Morphotectonic features of the Arctic basin. *Probl. Arkt. i Antarkt.* no. 11:25-29 '62.
- ARCTIC REGIONS—GEOMORPHOLOGY**
Possible effect of the earth's rotation forces on the morphological structure of the Arctic and the Antarctic. P. S. Voronov, I. A. Gakkel', A. D. Sytin'skii. *Probl. Arkt. i Antarkt.* no. 10:17-24 '62.
- ARCTIC REGIONS—ICE**
Device for measuring the elasticity modulus of the ice sheet by seismic methods. A. N. Listov. *Probl. Arkt. i Antarkt.* no. 10:91-92 '62.
Ice studies in the central Arctic. G. N. Iakovlev. *Probl. Arkt. i Antarkt.* no. 11:47-57 '62.
Typification of temperature distribution in the ice sheet thickness. G. N. Iakovlev. *Probl. Arkt. i Antarkt.* no. 10:77-80 '62.
- ARCTIC REGIONS—IONOSPHERIC RADIO WAVE PROPAGATION**
Results of geophysical studies in the central Arctic. V. S. Ignatov, N. A. Mil'nev, A. P. Nikol'skii. *Probl. Arkt. i Antarkt.* no. 11:65-74 '62.
- ARCTIC REGIONS—MAGNETISM, TERRESTRIAL**
Results of geophysical studies in the central Arctic. V. S. Ignatov, N. A. Mil'nev, A. P. Nikol'skii. *Probl. Arkt. i Antarkt.* no. 11:65-74 '62.
- ARCTIC REGIONS—MAGNETISM, TERRESTRIAL—DIURNAL VARIATION**
Latitude shifts in the transition zone of diurnal variations of the magnetic field in the Arctic. N. A. Mil'nev. *Probl. Arkt. i Antarkt.* no. 11:75-79 '62.
- ARCTIC REGIONS—METEOROLOGY**
Air density distribution in the troposphere and in the lower layers of the stratosphere of the central Arctic. L. G. Basova, N. V. Shiposh. *Probl. Arkt. i Antarkt.* no. 10:63-69 '62.
- ARCTIC REGIONS—OCEAN TEMPERATURE**
Water exchange through the strait between Spitzbergen and Greenland. E. I. Chaplygin. *Probl. Arkt. i Antarkt.* no. 10:89-90 '62.
- ARCTIC REGIONS—OCEANOGRAPHIC RESEARCH**
New objectives of oceanographic research in Arctic seas. V. V. Panov, A. O. Shupijer. *Probl. Arkt. i Antarkt.* no. 10:11-15 '62.
- ARCTIC REGIONS—OCEANOGRAPHIC RESEARCH STATIONS**
Scientific drift stations established by the U.S.A. in the Arctic basin. A. I. Inlutkina. *Probl. Arkt. i Antarkt.* no. 11:109-113 '62.
- ARCTIC REGIONS—RABIES**
Epizootology of "madness" in animals in the Arctic regions. R. A. Kartorovich. *Trudy Len. inst. epid. i mikrobiol.* 17:189-179 '58.
- ARCTIC REGIONS—SEA ICE**
Calculating the effect of atmospheric pressure fields on ice drifting in the Arctic seas. A. I. Murzin. *Probl. Arkt. i Antarkt.* no. 10:47-55 '62.
- ARCTIC REGIONS—SOLAR RADIATION**
Absorption and penetration of solar radiation into snow and ice in the Arctic. A. P. Koptev, B. A. Platnitskov. *Probl. Arkt. i Antarkt.* no. 10:71-76 '62.
- ARCTIC REGIONS—THAWING**
Thawing of snow and ice in the central Arctic. A. V. Ianes. *Probl. Arkt. i Antarkt.* no. 11:59-64 '62.
- ARCTIC REGIONS—WINDS**
Variations in the speed and direction of the wind above the central Arctic region. I. N. Zavalova, G. G. Sergeeva. *Probl. Arkt. i Antarkt.* no. 11:37-46 '62.
- ARCTIC REGIONS—WORLD WAR, 1839-1945—AERIAL OPERATIONS**
Sorokin, Z. A. [Friends in arms; essays] *Druz'ia odnopolchane; ocherki.* Moskva, Voenizdat, 1962, 115 p.
- ARCTIC REGIONS—ZOOGEOGRAPHY**
"Temperature rise" in the Arctic regions and the fauna of high latitudes. S. M. Uspenskii. *Priroda* 52 no. 2: 48-53 '63.
- ARECOLINE**
Some clinical and electrocardiographic data on the use of arecoline as a laxative in cattle theileriasis. I. N. Maksudov. *Trudy iz. nauch. -issl. inst. vet.* 14:147-152 '61.
- ARGENTINA—BALANCE OF PAYMENTS**
Foreign exchange and financial crisis in Argentina. V. Zholobov. *Den. kred.* 21 no. 2:84-90 F '63.
- ARGINASE**
Effect of the iron-59 radioisotope on the activity of arginase from the liver of rats. Kh. K. Kasymov. *Dokl. AN Tadzh. SSR* 3 no. 5:61-63 '60.
- ARGON**
Conversion of methane to acetylene in an argon plasma jet. G. V. Gul'nev and others. *Dokl. AN SSSR* 148 no. 3:641-643 Ja '63.
Losses of radiogenic argon in potash-soda feldspars during heat activation. S. B. Brandt, E. N. Barin'skii. *Izv. AN SSSR, Ser. geol.* 27 no. 12:23-31 '62.
- ARGON—ABSORPTION SPECTRA**
Fine structure of the L_{α} absorption edge of argon. A. P. Lukirskii, T. M. Zimkina. *Izv. AN SSSR, Ser. fiz.* 27 no. 3:324-329 Mr '63.
- ARGON—ISOTOPES**
Radiogenic origin of argon in the composition of natural and petroleum gas. L. M. Kushko, I. D. Zverev. *Geol. nefit i gasa* 9 no. 9:48-50 S '62.
- ARGON-POTASSIUM DATING** see Potassium-argon dating
- ARID REGIONS**
Strakhov, N. M. [Fundamentals of the theory of lithogenesis] *Osnovy teorii litogeneza.* Moskva, Izd-vo Akad. nauk SSSR.
Vol. 3. [Characteristics of the composition and distribution of arid sediments] *Zakonomernosti sostava i razmeshchenia aridnykh otlozhenii.* 1962, 649 p.
Two scientific symposia in Greece. I. P. Gerasimov, F. F. Davila. *Izv. AN SSSR, Ser. geog.* no. 1:134-140 Ja-F '63.
- ARISTOTLE**
Problem of principles in Aristotle's theory of categories [in Georgian with summary in Russian]. G. V. Machitadze. *Trudy inst. filol. AN Gruz. SSR* 11:151-169 '62.
Some problems of the theory of knowledge in the philosophy of Aristotle [in Georgian with summary in Russian]. T. G. Kukava. *Trudy inst. filol. AN Gruz. SSR* 11:171-206 '62.
- ARITHMETIC—PROBLEMS, EXERCISES, ETC.**
Analyzing the process of solving simple arithmetic problems. Report No. 4: Solution by means of objective modeling and calculation. General characteristic of the method and the main problems arising during its investigation. G. P. Shchedrovitskii, S. G. Iakobson. *Dokl. APN* 6 no. 5:43-46 '62.
Solving problems by the method of contraposition. T. K. Zhikeldina. *Nach. shkola* 31 no. 1:30-37 Ja '63.
- ARITHMETIC—STUDY AND TEACHING**
Attempt of an experimental study of psychological pattern in learning. Report No. 5: Systems for solving direct and indirect problems and the planning of experimental study. B. B. Kossov. *Dokl. APN* 6 no. 5:85-88 '62.
Attempt of an experimental study of psychological pattern in learning. Report No. 6: Comparative efficiency of some teaching methods for the solution of indirect problems. B. B. Kossov, G. M. Bakhtromeeva, E. I. Galakhova. *Dokl. APN* 6 no. 5:87-90 '62.
"Contact between the teaching of arithmetic and life." Reviewed by N. F. Kopelova. *Nach. shkola* 31 no. 1:83-84 Ja '63.
Simple problems in the second grade. L. N. Skatkin. *Nach. shkola* 31 no. 1:26-30 Ja '63.
Valuable lessons. V. P. Shcherbakov, V. A. Grechishkin, I. A. G. Goncharov. *Nach. shkola* 31 no. 1:13-18 Ja '63.
- ARITHMETIC—TEXTBOOKS**
"Arithmetic" by N. A. Printsev. Reviewed by T. N. Denisova. *Vech. sred. shkola* 5 no. 6:76-77 N-D '62.
- Author's remarks on the textbook "Arithmetic" for grades five and six. N. A. Printsev. *Vech. sred. shkola* 5 no. 6:74-75 N-D '62.
- ARKAGALA VALLEY—PALEOBOTANY, STRATIGRAPHIC**
Cretaceous flora of the Arkagala coal-bearing basin. V. A. Samylna. *Dokl. AN SSSR* 147 no. 5:1157-1159 D '62.
- ARM—BLOOD SUPPLY**
Two cases of vigorous development of the median artery in the forearm. G. V. Terent'eva. *Shch. nauch. trud. Vin. der. med. inst.* 18 no. 2:124-128 '56.
- ARMED FORCES** see subdivision under Russia
- ARMED FORCES—NONMILITARY** see subdivision under Rumania
- ARMENIA—ADMINISTRATIVE AND POLITICAL DIVISION**
Administrative and territorial division of the Armenian S. S. R. L. A. Valesian. *Izv. AN Arm. SSR, Geol. i geog. nauki* 15 no. 6:35-48 '62.
- ARMENIA—ARABIS**
Some critical species of the section *Alliariopsis* N. Busch of the genus *Arabis* L. V. E. Avetisyan. *Izv. AN Arm. SSR, Biol. nauki* 15 no. 8:79-82 Ag '62.
- ARMENIA—ARCHIVES**
"Monitor of Armenian archival agencies," no. 2. Reviewed by G. A. Arutunov. *Vop. arkh.* 7 no. 3: 121-122 Ji-S '62.
- ARMENIA—BEEF CATTLE**
Expansion of the reproduction of cattle stock and the efficient structure of the cattle herd [in Armenian with summary in Russian]. M. A. Gevorgian. *Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR* 5 no. 11:13-13 '62.
- ARMENIA—BINDING MATERIALS—TESTING**
Effect of the method of grinding of local binding materials on their physicochemical properties. L. Z. Kharov. *Prom. Arm.* 5 no. 12:54-57 D '62.
- ARMENIA—BOTANY, MEDICAL**
Antimicrobial activity of some alkaloid-bearing plants of Armenia. S. I. A. Zolotareva, I. S. Melkumian, V. E. Voskanyan. *Izv. AN Arm. SSR, Biol. nauki* 15 no. 8:33-38 Ag '62.
- ARMENIA—BRANDY**
Practical coefficients of evaporation and rectification of admixtures in the distillation with cognac apparatus. V. Litvak, V. Maslov. *Prom. Arm.* 5 no. 12:33-38 D '62.
- ARMENIA—CASTRATION**
Provisional instructions on the castration of sheep and goats according to A. A. Balburtsian's method in use on the farms of Armenia. *Zhivotnovodstvo* 23 no. 8: 39 My '61.
- ARMENIA—COMMUNIST PARTY OF THE SOVIET UNION**
History of the building of the organizational structure of the Communist Party of Armenia. Kh. A. Baragjan. *Izv. AN Arm. SSR, Obshchestv. nauki* no. 11:51-60 N '60.
- ARMENIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Toward new milestones on the road leading to communism. *Prom. Arm.* 5 no. 12:3-6 D '62.
- ARMENIA—CULTURE**
Shaghiyan, A. [Achievements of Soviet Armenia in the field of culture] *Dostizhenia Sovetskoi Armenii v oblasti kul'tury; kratkii obzor.* Erevan, Armanianskoe gos. izd-vo, 1958, 44 p.
- ARMENIA—DIES (METALWORKING)**
Die with a simplified design. K. Samarchian. *Prom. Arm.* 5 no. 12:43 D '62.
- ARMENIA—DRIFT**
Fluvio-glacial sediments in the Armenian S. S. R. G. S. Abramian. *Izv. AN Arm. SSR, Geol. i geog. nauki* 15 no. 6:67-71 '62.
- ARMENIA—ECONOMIC CONDITIONS**
In the Economic Council of the Armenian S. S. R. *Prom. Arm.* 5 no. 12:70-71 D '62.
- ARMENIA—ECONOMICS, MATHEMATICAL**
Seminar of the Institute of Economics. E. M. Agabekian. *Izv. AN Arm. SSR, Obshchestv. nauki* no. 11:88-90 N '60.
- ARMENIA—FARM MANURE**
Determining of optimal parameters of the elements of automation of an automatized cable-driven scraper conveyor for the removal of farm manure [in Armenian with summary in Russian]. S. E. Markarian, L. A. Mkrtchian. *Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR* 5 no. 11:16-20 '62.

ARMENIA—FOOD INDUSTRY

Mechanization and automation of production processes in the food industry. A. Zel'tsburg. Prom. Arm. 5 no. 12:29-31 D '62.

ARMENIA—FURNITURE INDUSTRY

Comfortable, good-quality furniture. M. Sarafian. Prom. Arm. 5 no. 12:40-42 D '62.

ARMENIA—GAS INDUSTRY

All-Union scientific and technical conference on gas industry economics. A. Oseplan. Prom. Arm. 5 no. 12:61-62 D '62.

ARMENIA—HISTORIOGRAPHY

Interpretation of the history of the establishment of Soviet rule in Armenia in Soviet Armenian historiography. TS. P. Agaian. Izv. AN Arm. SSR. Obshchestv. nauki no. 11:25-36 N '60.

ARMENIA—HYDROELECTRIC POWER STATIONS

Completion of the construction of the Sevan-Razdan Cascade. A. Gataevich. Prom. Arm. 5 no. 12:15-18 D '62.

ARMENIA—INDUSTRIAL ORGANIZATION

Improve industrial planning. A. Giul'nazarian. Prom. Arm. 5 no. 12:5-9 D '62.
Organization of the consolidation of leather and shoe production. L. Shakhkarnian, V. Petrosian. Prom. Arm. 5 no. 12:10-14 D '62.

ARMENIA—INDUSTRIES

Brief news. Prom. Arm. 5 no. 12:74 D '62.
Development of the industry of Soviet Armenia in forty years. A. K. Dzaghatspanian. Izv. AN Arm. SSR. Obshchestv. nauki no. 11:11-24 N '60.
Toward new milestones on the road leading to communism. Prom. Arm. 5 no. 12:3-5 D '62.

ARMENIA—INDUSTRIES—BIBLIOGRAPHY

New books and information material received by the scientific and technological library of the Armenian Economic Council. Prom. Arm. 5 no. 12:77-78 D '62.

ARMENIA—KNIT GOODS INDUSTRY—LABOR PRODUCTIVITY

Potentials for the increase of labor productivity in the knit goods industry of Armenia. E. Arutunian. Prom. Arm. 5 no. 12:24-26 D '62.

ARMENIA—MACHINERY INDUSTRY

Improve the utilization of production capacities in the machinery industry. V. Sanamian. Prom. Arm. 5 no. 12:26-28 D '62.

ARMENIA—MARBLE

Atsagorjian, Z. A., and O. A. Martirosian. [Tuffs and marbles of Armenia] Tufy i mramory Armonii. Erevan, Armgosizdat, 1962, 157 p.

ARMENIA—METALLURGICAL RESEARCH

Two seminars. N. Manukian. Prom. Arm. 5 no. 12:62-64 D '62.

ARMENIA—MOTION PICTURES—CONGRESSES

Be more strict with yourself. N. Ignat'eva. Isk. kino 33 no. 1:30-32 '63.

ARMENIA—PARASITES—SHEEP

Copper sulfate and tin arsenate in sheep monieziasis. P. K. Svadzhian, S. T. Mikeelian, O. G. Alekhverdian. Veterinaria 37 no. 7:41-42 JI '60.

ARMENIA—POLITICS AND GOVERNMENT

Armenian S. S. R. Verkhovnyi Sovet. [Meetings of the Supreme Soviet of the Armenian S. S. R., ninth session, January 10-20, 1959; verbatim report] Zasedaniia Verkhovnogo Soveta Armianskoi SSR; deviatnna sessia (10-20 ianvaria 1959 goda). Stenograficheski otchet. Erevan, Alpitrat, 1960, 270 p.

ARMENIA—RED SPIDER—EXTERMINATION

Results of testing some new acaricides for controlling the cotton spider mite [in Armenian with summary in Russian]. G. M. Mardzhanian and others. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:41-47 '62.

ARMENIA—ROCKS, CRYSTALLINE AND METAMORPHIC—ANALYSIS

Akademii nauk Armianskoi SSR, Eriyan. Institut geologicheskikh nauk. [Chemical composition of igneous and metamorphic rocks in the Armenian S. S. R.] Khimicheskie sostavy izverzhennykh i metamorficheskikh gornykh porod Armianskoi SSR. [By] S. B. Abovian i dr. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962, 433 p.

ARMENIA—ROCKS, IGNEOUS—ANALYSIS

Akademii nauk Armianskoi SSR, Eriyan. Institut geologicheskikh nauk. [Chemical composition of igneous and metamorphic rocks in the Armenian S. S. R.] Khimicheskie sostavy izverzhennykh i metamorficheskikh gornykh porod Armianskoi SSR. [By] S. B. Abovian i dr. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962, 433 p.

ARMENIA—SEED POTATOES

Increasing potato yields by treating potato tubers with X-rays before planting [in Armenian with summary in Russian]. TS. M. Avakian, S. S. Samerdzhian, R. R. Atajan. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:21-23 '62.

ARMENIA—SHEEP BREEDING

Results of crossbreeding for reproduction hybrid sheep on the TSovagluh Collective Farm in Sevan District [in Armenian with summary in Russian]. S. B. Grigor'ian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:85-71 '62.

ARMENIA—SOCIALIST COMPETITION

The shock workers of communist labor have the word. Prom. Arm. 5 no. 12:73-74 D '62.

ARMENIA—SYENITE

White opaque glaze with a base of nepheline syenites. M. Manvelian and others. Prom. Arm. 5 no. 12:30-40 D '62.

ARMENIA—TAPEWORMS

Copper sulfate and tin arsenate in sheep monieziasis. P. K. Svadzhian, S. T. Mikeelian, O. G. Alekhverdian. Veterinaria 37 no. 7:41-42 JI '60.

ARMENIA—TECHNICAL EDUCATION

Let's move forward and remove shortcomings. G. A. Arjan. Sred. spots. obr. 9 no. 12:7-9 D '62.

ARMENIA—TECHNICAL LIBRARIES

Readers' conference. Prom. Arm. 5 no. 12:72-73 D '62.

ARMENIA—TECHNOLOGICAL INNOVATIONS

Soldier of the seven-year plan. Prom. Arm. 5 no. 12:44-46 D '62.

ARMENIA—TECHNOLOGY—INFORMATION SERVICES

In the Armenian House of Technology. Prom. Arm. 5 no. 12:72 D '62.

ARMENIA—TOBACCO—DISEASES AND PESTS

Spotted wilt of tobacco in the Armenian S. S. R. E. V. Asatryan, A. A. Babayan. Izv. AN Arm. SSR. Biol. nauki 15 no. 8:57-64 Ag '62.

ARMENIA—TRACHYTE

Age of sanidine quartz trachyte in northern Armenia. O. P. Peltseva. Izv. AN SSSR. Ser. geol. 27 no. 12:104-109 D '62.

ARMENIA—UTERUS—CANCER

Some data on the distribution of cancer of the uterus in Armenia; according to data of the Republic's oncological dispensary and infirmary of the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian SSR for 1950-1959. A. A. Degdasarian. Vop. rent. i onk. 6:313-316 '61.

ARMENIA—VETERINARY MEDICINE

Veterinary service in Armenia and the 40th anniversary of the Republic. O. P. Arutunian, A. V. Muradian. Veterinaria 37 no. 11:10-18 N '60.

ARMENIA—VOLCANIC ASH, TUFF, ETC.

Atsagorjian, Z. A., and O. A. Martirosian. [Tuffs and marbles of Armenia] Tufy i mramory Armonii. Erevan, Armgosizdat, 1962, 157 p.

ARMENIA—WAGE PAYMENT SYSTEMS

Strictly observe the new wage regulations. R. Gubaidulin. Prom. Arm. 5 no. 12:20-24 D '62.

ARMENIA—WINE AND WINE MAKING

Dynamics of the formation of the peroxy compounds of aliphatic and heterocyclic aldehydes in the maderization process of wine materials. N. Kazumov, M. Tumanian. Prom. Arm. 5 no. 12:57-60 D '62.

ARMENIA IN LITERATURE AND ART

Grigor'ian, K. N. [Armenia in Russian literature and painting: the 18th and first half of the 19th century] Armenia v russkoi literature i zhivopisi; XVIII-pervala polovina XIX veka. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962, 73 p. illus.

ARMENIAN ART see Art, Armenian

ARMENIAN LANGUAGES—HISTORY

Kapantsian, G. A. [Interrelation between the Armenian and the Laz-Mingrelian languages] O vzaimootnoshenii armianskogo i laz-mingrel'skogo yazikov. [Erevan] Akad. nauk Armianskoi SSR, 1952, 48 p. (MI)

ARMENIAN LITERATURE—HISTORY AND CRITICISM

"History of Soviet Armenian literature, 1917-1941" [In Armenian]. Reviewed by E. Dzhrbashian. Vop. lit. 6 no. 12:197-202 D '62.

ARMENIAN PERIODICALS

"Monitor of Armenian archival agencies," no. 2. Reviewed by G. A. Arutunian. Vop. arkh. 7 no. 3:121-122 JI-S '62.

ARMENIANS see subdivision under Ukraine

ARMIES see subdivision under 'Army' under Russia; United States

AROMATIC COMPOUNDS

Glycol ethers and their derivatives. Part 49: Synthesis of aromatic γ -bromo ethers. Shamkhal Mamedov, D. N. Khydyrov. Zhur. ob. khim. 33 no. 2:457-462 F '63.

Mutual electron acceptor linkage of conjugated aromatic systems. I. I. Grandberg. Zhur. ob. khim. 33 no. 2:504-506 F '63.

AROMATIC PLANTS

Symposium on medicinal and aromatic plants. V. S. Sokolov. Vest. AN SSSR 33 no. 2:106-107 F '63.

AROMATIZATION

New data on the kinetics of C5-dehydrocyclization of hydrocarbons. O. V. Bragin, A. L. Liberman. Dokl. AN SSSR 148 no. 2:338-341 Ja '63.

ARRHYTHMIA

Antiarhythmic activity of chlorazazine [with summary in English]. O. V. Ufianova. Vest. AMN SSR 18 no. 1:64-68 '63.

Antiarhythmic activity of some pharmacological substances [with summary in English]. Z. P. Senova. Vest. AMN SSR 18 no. 1:59-64 '63.

ARSENIC

Interaction of bismuth selenides with arsenic. E. I. Iarembash, E. S. Vigileva. Zhur. neorg. khim. 7 no. 12:2752-2755 D '62.

Interaction of bismuth tellurides with arsenic. E. I. Iarembash, E. S. Vigileva. Zhur. neorg. khim. 7 no. 12:2756-2759 D '62.

Side recovery of arsenic from tailings of the metallurgical industry. K. T. Akhmetov, N. N. Kubyshov, K. S. Dashkov. TSvet. met. 30 no. 2:42-45 F '63.

ARSENIC ISOTOPES—DECAY

Internal conversion with pair formation in As^{76} . N. B. Badalov and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:260-262 F '63.

ARSENIC-SELENIUM ALLOYS

System As-Se. S. A. Dembovskii. Zhur. neorg. khim. 7 no. 12:2706-2707 D '62.

ARSONIUM COMPOUNDS

Separation of small amounts of tantalum from niobium by the extraction of tetraphenyl arsonium fluorotantalates [with summary in English]. I. P. Almarin, S. V. Makarova. Zhur. anal. khim. 17 no. 9:1072-1075 D '62.

ART

(see also subdivision under Caucasus, Northern; Ghana)

Abolina, R. Ia. [Soviet art of the civil war period and initial years of the building of socialism, 1917-1932] Sovetskoe iskusstvo perioda grazhdanskoi voyny i pervykh let stroitel'stva sotsializma, 1917-1932. Moskva, Izd-vo Akad. khudozh. SSR, 1962, 77 p. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkoly nykh bibliotek)

Brief notes. Iskussivo 25 no. 9:78-80 '62.

Brief notes. Iskussivo 25 no. 11:78-80 '62.

"Encyclopedia of knowledge." A. Chlenov. Iskussivo 25 no. 9:71-73 '62.

From the pages of the press. Sov. Soluz no. 9:44-45 '62.

Living traditions. N. Andronov. Iskussivo 25 no. 9:6-10 '62.

Realism assumes richness and diverse creative aspirations. V. Kabanov, N. Druchin. Iskussivo 25 no. 9:7-9 '62.

Rural art museum. V. K. Pirogov. Sred. spots. obr. 9 no. 12:45-47 D '62.

Sopolskii, O. I. [Heroics of the building of communism in works of art] Gorolka kommunisticheskogo stroitel'stva v proizvedeniiakh iskusstva. Moskva, Sovetskii khudozhnik, 1962, 60 p. (Besedy ob iskusstve)

Toward the Second Congress of Artists of the U.S.S.R. A. Bazilevich and others. Iskussivo 25 no. 11:10-13 '62.

ART—BIBLIOGRAPHY see Bibliography—Art

ART—EXHIBITIONS see subdivision under Moscow

ART—PERIODICALS

Looking over foreign periodicals... Iskussivo 25 no. 9:73-77 '62.

Looking over foreign periodicals... Iskussivo 25 no. 11:74-77 '62.

ART—PHILOSOPHY

"The content and form of art" by K. Goranov. Reviewed by E. S. Gromov. Vop. filos. 17 no. 2:174-177 '63.

Responsibility to our people. Vano Muradeli. Kommunist 38 no. 4:74-80 Mr '63.

ART—SOCIETIES, ETC. see subdivision under Odessa

- ART—STUDY AND TEACHING**
Russia (1917— R. S. F. S. R.) Glavnoe upravlenie uchebnykh zavedenii i kadrov. [History of fine arts, mode of life, and costume; a course program] Istoriia izobrazitel'nogo iskusstva, byta i kostiuna; programma kursa dlia uchashchikhsia kul'turno-prosvetitel'nykh shkoi. Moskva, Izd-vo "Sovetskaiia Rossiia," 1961, 23 p.
- Talking to youth about art. S. Karlova. Prof.-tekh. obr. 20 no. 2:16 F '63.
- ART, ABKHAZIAN**
 Fine arts in Abkhazia during forty years of Soviet rule. L. A. Shervashidze. Trudy Abkhaz. inst. iaz., lit. i ist. 32:77-94 '61.
- ART, ABSTRACT**
 Responsibility to our people. Vano Muradeli. Kommunist 39 no. 4:74-80 Mr '63.
- ART, ARMENIAN**
 Izmailova, T. A., and M. A. Aivazian. [Art of Armenia] Iskustvo Armenii. Moskva, Izd-vo "Iskusstvo," 1962, 258 p. (Ocherki istorii i teorii izobrazitel'nykh iskusstv)
- ART, CLUNIAN**
 Archaeological excavations in Cluny and the nature of Clunian art. O. G. Chaikovskaiia. Sov. arkeol. 7 no. 1:75-97 '63.
- ART, MUNICIPAL**
 Some problems of synthesizing monumental art and architecture. I. A. Lukin. Sov. arkh. no. 14:111-120 '62.
- ART, PRIMITIVE** see subdivision under Africa
- ART, RENAISSANCE**
 Akademika khudozhestv SSSR. Institut teorii i istorii izobrazitel'nykh iskusstv. [General history of art in six volumes] Vseobshchiiia istoriia iskusstv v shesti tomakh. Red. kollegiia: B. V. Velmar i dr. Moskva, Iskustvo, Vol. 3. [Art of the Renaissance] Iskustvo epokhi Vozrozhdeniia. Pod obshchei red. I. U. D. Kolpinskogo i E. I. Rotenberga, 1962, 530, 10x11 p. illus.
- ART, UKRAINIAN—EXHIBITIONS** see subdivision under Kiev; Moscow
- ART, VANIC**
 Plotovskii, B. B. [Urartean art from the 8th to the 6th century B.C.] Iskustvo Urartu; VIII-VI vv. do n.e. Leningrad, Izd-vo Gos. Ermitazha, 1962, 122 p. illus.
- ART, WHITE RUSSIAN—EXHIBITIONS**
 The path of creative quests. A. Surski. Belarus' 20 no. 2:16 F '63.
- ART AND COMMUNISM** see Communism and art
- ART AND INDUSTRY**
 A conference on working conditions in industrial enterprises. Sots. trud 7 no. 6:149-150 Je '62.
- ART AS A PROFESSION**
 A. Ivanov on the roles and position of artists. M. Nekliudova. Iskustvo 25 no. 11:62-64 '62.
- ART GALLERIES AND MUSEUMS** see subdivision under Gorkavka; Kharkov; Leningrad; Palekh; Prague
- ART INDUSTRIES** see subdivision under Buryat A. S. S. R.
- ART INDUSTRIES—EXHIBITIONS**
 Put them on the market. V. Vishnevskaiia. Mest. prom. i khud. promys. 3 no. 12:39-39 D '62.
- ART OBJECTS—CONSERVATION AND RESTORATION**
 Application of certain plastics in restoration. I. A. Kas'ianenko. Soob. VTSNILKR no. 3:29-32 '60.
 Application of imitation properties of plastics in restoration. A. P. Sheptikov. Soob. VTSNILKR no. 3:33-35 '60.
 Application of polymers in restoration. O. K. Koshevoi. Soob. VTSNILKR no. 3:5-28 '60.
 Application of synthetic cleaning agents in washing and removing dirt from museum fabrics. N. T. Klimova. Soob. VTSNILKR no. 3:36-39 '60.
 Restoration of museum fabrics. N. N. Semenovich. Soob. VTSNILKR no. 3:40-58 '60.
 Ultrasonic cleaning. B. I. Petrov. Soob. VTSNILKR no. 3:59-61 '60.
- ART OBJECTS—CONSERVATION AND RESTORATION—BIBLIOGRAPHY** see Bibliography—Art objects—Conservation and restoration
- ART OBJECTS, CLASSICAL** see subdivision under Solokha
- ART SCHOOLS** see subdivision under Kiev
- ARTEM ISLAND—OIL FIELDS—PRODUCTION METHODS**
 Some results of second shaft drilling in fields of the Oil Field Administration of the Artem Petroleum Trust. A. M. Pilushch, A. I. Asadov, A. A. Veliev. Azerb. neft. khoz. 41 no. 11:30-31 N '62.
- ARTEMISIA**
 New sesquiterpene from the essential oil of Artemisia taurica Willd. G. V. Pigulevskii, V. I. Kovaleva. Zhur. ob. khim. 33 no. 2:705-706 F '63.
- ARTEMIOVSK, (DONETSK PROVINCE)—METAL-CUTTING TOOLS**
 Specialized machine shop for manufacturing metal-cutting tools at the "Pobeda Truda" Plant in Artemiovsk. P. F. Bocharov. Bui. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:32-34 '63.
- ARTEMIOVSK (DONETSK PROVINCE)—OFFENSES AGAINST SOCIALIST PROPERTY**
 A committee for the protection of socialist property. P. Shvets. Rad. pravo no. 1:53-54 Ja-F '63.
- ARTERIES**
 Reaction of the arterial vessels in elderly persons. K. A. Morozov. Trudy LIETIN no. 4:71-86 '60.
- ARTERIES—ABNORMALITIES AND DEFORMITIES**
 Rare variations in the location of the deep femoral artery and cases of its absence. G. V. Terent'ev. Shor. nauch. trud. Vin. der. med. inst. 18 no. 2:114-120 '58.
 Two cases of vigorous development of the median artery in the forearm. G. V. Terent'ev. Shor. nauch. trud. Vin. der. med. inst. 18 no. 2:124-128 '58.
 Variance in the course of the radial artery. E. M. Luchanskii. Shor. nauch. trud. Vin. der. med. inst. 18 no. 2:121-123 '58.
- ARTERIES—DISEASES**
 Clinical justification for removal of the third left thoracic sympathetic ganglion in endarteritis. S. U. Dzhu-mabaev. Klin. khir. no. 12:67 D '62.
 Closure of arterial lumen in endarteritis obliterans. I. F. Perepiltisa. Shor. nauch. trud. Vin. der. med. inst. 18 no. 1:34-41 '58.
 Complications and postoperative care in amputations of the extremities caused by endarteritis. N. E. Lebedev. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:147-159 '61.
 Three cases of removal of the third left thoracic sympathetic ganglion in endarteritis obliterans. E. V. Gukovich. Klin. khir. no. 12:66 D '62.
 Use of royal jelly preparation in the treatment of endarteritis and arteriosclerosis of the extremity vessels. G. P. Zaitsev, V. T. Porladin. Inform. biul. o mat. moloch. no. 3:62-70 '62.
- ARTERIOSCLEROSIS**
 Effect of β -sitosterol on lipid metabolism and the course of atherosclerosis [with summary in English]. I. V. Krivoruchenko. Sov. med. 26 no. 12:32-37 D '62.
 Effect of some vasodilative and ganglioblocking agents on the development of collateral vessels in the heart following myocardial infarction in rabbits with arteriosclerosis [with summary in English]. A. A. Miazdrikova. Vest. AMN SSR 16 no. 1:23-27 '63.
 Everybody can save himself from arteriosclerosis. A. Vasil'ev. Sov. Soluz. no. 3:34 '63.
 Experimental arteriosclerosis in guinea pigs. R. S. Goraianova. Dokl. AN SSSR 148 no. 2:437-440 Ja '63.
 Perchikova, G. E. [What is atherosclerosis and hypertension? Chto takoe ateroskleroz i gipertonicheskaia bolezn'. Moskva, Izd-vo "Znanie," 1963, 46 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 2)]
 Use of royal jelly preparation in several clinical forms of arteriosclerosis. N. M. Kadyseva. Inform. biul. o mat. moloch. no. 3:60-64 '62.
 Use of royal jelly preparation in the treatment of endarteritis and arteriosclerosis of the extremity vessels. G. P. Zaitsev, V. T. Porladin. Inform. biul. o mat. moloch. no. 3:62-70 '62.
- ARTESIAN WELLS**
 (see also subdivision under Mongolia)
 Casing artesian wells with asbestos cement pipes. V. R. Buldel. Mekh. sil' hosp. 13 no. 12:20-24 D '62.
 New types of screens for artesian wells. P. A. Anatol'evskii. Mont. i spets. rab. v stroit. 25 no. 3:18-21 Mr '63.
- ARTHRITIS, RHEUMATOID**
 Felty's syndrome. D. P. Lutsik. Vrach. delo no. 1: III-II Ja '63.
 Felty's syndrome. T. A. Makhotina. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:341-346 '61.
 Osteoarthritis and elderly people [with summary in English]. Robert M. Stecher. Vop. revm. 2 no. 3:31-39 Ji-S '62.
 Significance of immunograms in the characteristics of infectious nonspecific polyarthritis [with summary in English]. Zh. Zh. Rapoport. Vop. revm. 2 no. 3:17-21 Ji-S '62.
- ARTIFICIAL HEART** see Perfusion pump (Heart)
- ARTIFICIAL INSEMINATION**
 (see also subdivision under Czechoslovakia; Sharkovskichina District; United States)
 Age and live weight of Shmenthal heifers at their first insemination and their consequent productivity. E. Tshipilnev. Shor. stud. nauch.-issl. rab. VSKHI 1 no. 1:261-263 '62.
- Best dates for the insemination of cows. V. N. Karlov. Zhivotnovodstvo 23 no. 8:77-79 Ag '61.
- Parshutin, G. V., and D. V. Smirnov-Ugrumov. [Artificial insemination of farm animals] Iskustvennoe osemeniene sel'skhozaiastvennykh zhivotnykh. Moskva, Sel'khozizdat, 1962, 279 p. (DNAL)
 Practical and scientific significance of blood groups of farm animals. I. V. Smirnov. Zhivotnovodstvo 23 no. 7:60-71 Ji '61.
 Sokolovskaiia, I. I., ed. [Artificial insemination of swine] Iskustvennoe osemeniene svinet. Moskva, Sel'khozizdat, 1962, 212 p.
 Using furacillin in artificial insemination. I. F. Zinfachkovskii. Zhivotnovodstvo 23 no. 5:87-88 My '61.
- ARTIFICIAL INSEMINATION—EQUIPMENT AND SUPPLIES**
 Available simple apparatus. A. N. Likhachev. Zhivotnovodstvo 23 no. 8:80-81 Ag '61.
 Lock for a vaginal speculum. S. N. Poltev. Zhivotnovodstvo 23 no. 8:81-82 Ag '61.
 New design of a stand for the fastening and artificial insemination of cows. E. M. Baikovich, I. U. D. Teplov. Zhivotnovodstvo 23 no. 8:82-83 Ag '61.
- ARTIFICIAL ISLANDS**
 Some problems relative to the construction of foundations for offshore drilling. I. S. Guzik, L. A. Iono. Azerb. neft. khoz. 41 no. 4:46-47 Ap '62.
- ARTIFICIAL LEATHER** see Leather, Artificial
- ARTIFICIAL PNEUMOPERITONEUM** see Pneumoperitoneum, Artificial
- ARTIFICIAL SATELLITES**
 Konferentsiia po obshchimi i prikladnym voprosam teoreticheskoi astronomii. Moscow, 1961. [Problems of the motion of artificial celestial bodies] Problemy dvizheniia iskusstvennykh nebesnykh tel; doklady. Moskva, Izd-vo Akad. nauk SSSR, 1963, 204 p.
 The launching of the first artificial earth satellite. Bui. sta. opt. nabl. isk. sput. Zem. no. 29:3-4 '62.
- ARTIFICIAL SATELLITES—TRACKING**
 Approximation of the apparent motion of artificial earth satellites by a small circle [with summary in English]. M. I. Irgant. Bui. sta. opt. nabl. isk. sput. Zem. no. 29:17-24 '62.
 Observations of artificial earth satellites with a triaxial guided camera. M. K. Alele, K. K. Lapushka. Bui. sta. opt. nabl. isk. sput. Zem. no. 29:5-7 '62.
 Observations with the NAPA-35/25 camera. A. G. Krylov. Bui. sta. opt. nabl. isk. sput. Zem. no. 29:33-37 '62.
 [Results of observations of Soviet artificial earth satellites] Rez. nabl. sov. isk. sput. Zem. no. 52 '62.
 Results of photographic observations of artificial earth satellites. B. E. Tumanian and others. Bui. sta. opt. nabl. isk. sput. Zem. no. 29:37-44 '62.
 Tracking camera for the observation of artificial earth satellites [with summary in English]. M. I. Irgant, R. Kakhuk. Bui. sta. opt. nabl. isk. sput. Zem. no. 29:25-29 '62.
- ARTSIKHOVSKII, ARTEMII VIADIMIROVICH, 1902—**
 Avdush, D. A., and V. L. Ivan, eds. [Collected articles on history and archaeology; dedicated to Artemii Viadimirovich Artsikhovskii on his 60th birthday and the 35th anniversary of his scientific, pedagogical and public activities] Istoriiko-arkheologicheskiia shorniki; Artemii Viadimirovichu Artsikhovskomu k shestidesiatletiiu so dnia rozhdeniia i tridsiatipiatilietiiu nauchnoi, pedagogicheskoi i obshchestvennoi deiatel'nosti. [Moskva, Izd-vo Mosk. univ., 1962] 365 p.
- ARYK-DALYK DISTRICT—COOPERATIVE SOCIETIES**
 Local soviets and rural trade. S. Pakhrutdinov. Koop. Kazakh. 5 no. 10:40-41 O '62.
- ARYK-DALYK DISTRICT—POLITICS AND GOVERNMENT**
 Local soviets and rural trade. S. Pakhrutdinov. Koop. Kazakh. 5 no. 10:40-41 O '62.
- ARYLATION**
 Synthesis of homogeneous and mixed polyarylates from allyl-substituted phenols. V. V. Korshak and others. Lakokras. mat. i ikh prim. no. 1:3-8 '63.
- ASBESTOS CEMENT**
 Asbestos-cement structural elements abroad. O. V. Khazinskaiia. Opyt zarub. stroit. no. 1:5-47 '61.
 Reinforcement of asbestos cement with polycarbonate glass plastics. A. B. Gubenko and others. Plast. massy no. 2:37-41 '63.
- ASBESTOS CEMENT INDUSTRY**
Russia (1923— U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulations SN 215-62 for accident prevention and industrial hygiene at enterprises manufacturing asbestos-cement products] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarliia na predpriatiiakh po proizvodstvu asbestotsementnykh izdelii. Moskva, Gosstroizdat, 1962.

ASCIDIANS see Tunicata

ASCORBIC ACID

Comparative characterization of the effectiveness of different methods of treatment in combination with vitamin C during acute dysentery. Kh. Z. Zakirov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:172-183 '62.

Effect of Co⁶⁰ gamma irradiation of tubers before planting on the yield and vitamin C content of potatoes. N. M. Berezina and others. Radiobiologiya 3 no. 1:139-142 '63.

Effect of gnlascorbin on hemopoiesis in benzene poisoning [with summary in English]. A. E. Shampai. Vrach. delo no. 11:104-108 N '62.

Effect of whole-body X-ray irradiation on the content of ascorbic acid in some organs and the blood of white rats and guinea pigs. S. T. Ryskulova. Radiobiologiya 3 no. 1:24-28 '63.

Hypovitaminosis C in children suffering from dysentery. I. F. Fazylov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:168-171 '62.

ASEXUAL REPRODUCTION see Reproduction, Asexual

ASH DISPOSAL

Chikay, G. A. [Mechanization of fuel supply and ash removal in industrial boiler systems] Mekhanizatsiya toplivopodachi i zoloudaleniya promyshlennykh koteln'nykh. Moskva, Mashgiz, 1962. 137 p.

Made in Chetokary. V. Danilov. Mest. prom. i khud. promys. 4 no. 2:28 F '63.

ASHES (FERTILIZER)

Effectiveness of phosphate meal and shale ashes in the formation of meadows on dry valley soils cleared of forest vegetation. E. A. Zhiglinskaya. Biol. nauch. - tekh. inform. SZNISKH. no. 3:12-13 '58.

Shale ash, its composition, properties, and conditions of use for soil lining [with summary in English]. P. M. Kornilov. Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz. no. 1:278-279 '60.

ASHKHABAD—ATMOSPHERE, UPPER

Kalchay, K. and I. L. Trutse. [Observations of the internal radiation of the upper atmosphere performed at Ashkhabad] Nabludenie sobstvennogo izlucheniya verkhnei atmosfery v Ashkhabade. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 37 p.

ASHKHABAD—PETROLEUM ENGINEERING—HYGIENIC ASPECTS

Efforts are not useless. I. U. Dashkurin, G. Shagan. Okhr. truda i sots. strakh. 6 no. 2:28 F '63.

ASIA—BIBLIOGRAPHY

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 11 '62.

ASIA—LABOR AND LABORING CLASSES

"Condition of the working class and labor movement in the countries of Asia and Africa, 1959-1961." Reviewed by M. M. Avsenev. Nar. Az. i Afr. no. 1:200-202 '63.

ASIA—POLITICS

Asia and Africa in 1962. Nar. Az. i Afr. no. 1:3-28 '63.

ASIA—RELATIONS (GENERAL) WITH RUSSIA

Lenin, V. I. [Friendship with the peoples of the East] Odruzhbo s narodami Vostoka. Moskva, Gos. izd-vo polit. lit-ry, 1961. 309 p. (WU)

ASIA, CENTRAL—NAMES, GEOGRAPHICAL—TURKIC

"Some notes on Central Asian Turkic place names" [in English] by G. Jarring. Reviewed by E. M. Murzaev. Nar. Az. i Afr. no. 1:225-228 '63.

ASIA, SOUTHEASTERN—FOREIGN ECONOMIC RELATIONS—JAPAN

Japanese monopolies in Southeastern Asia. S. Ignatushchenko. Az. i Afr. seg. no. 3:10-21 Mr '63.

ASIA, SOUTHEASTERN—FOREIGN RELATIONS—CZECHOSLOVAKIA

Our trip to the Asian countries. Václav David. Nov. vrom. 20 no. 9:11 Mr '63.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASIAN STUDIES—BIBLIOGRAPHY see Bibliography—Asian studies

ASKNAZII, ABRAHAM ISAKOVICH, 1887-1937

Abram Isakovich Asknazii; on the 25th anniversary of his death. S. P. Khromov. Meteor. i gidrol. no. 2:53-55 F '63.

ASLAMAZIAN, MARIAM ARSHAKOVNA, 1907-

Tsyrlin, I. I. [Mariam Arshakovna Aslamazian. Moskva, Iskusstvo, 1962. 69 p. illus. (MH)]

ASLYER, MUSTAFA

Mustafa Aslyer's engravings. Dm. Ereemeev. Az. i Afr. seg. no. 2:47 F '63.

ASNIERE, FRANCE—CHURCHES

Beklemishev, P. A. [The Parish of the Shrine of Christ the Savior at Asnières; commemorative volume, 1937-1957] Prikhody khrama Khrista Spasitelia v An'ere; jubileinyi sbornik, 1937-1957. Asnières, Izd. Prikhoda Khrama Khrista Spasitelia, 1957. 59 p. illus. (NNC)

ASPARAGINE

Preparation of acids via furan derivatives. Part 7: Synthesis of benzoylasparagine and benzoylasparagine. A. P. Terent'ev, R. A. Gracheva, N. M. Mikhailova. Zhur. ob. khim. 33 no. 2:581-583 F '63.

ASPEN see subdivision under Khoper Preserve; Rybinsk Reservoir region

ASPHALT

Popchenko, S. N., and M. G. Staritski. [Asphalt waterproofing of concrete and reinforced-concrete structures] Asfal'tovye gidrozolnatsii betonnnykh i zhelezobetonnykh sooruzhenii. Pod red. P. D. Glebova. Moskva, Gosenergizdat, 1962. 250 p.

ASPHYXIA

Case of asphyxia caused by the obstruction of the trachea by the mucous membrane of the esophagus. N. M. Savell'ev. Zhur. uch. i gos. bol. 22 no. 4:83-84 Ji-Ag '62.

Case of asphyxia resulting from a fall into dry cement. B. A. Karaghi. Sud.-med. eksp. 6 no. 1:54-55 Ja-Mr '63.

ASSEMBLY LINE METHODS

Analyzing the indices of the continuity of the movement of labor products and of the use of equipment in rubber sole manufacture. P. S. Pshikina, O. N. Morozova, L. N. Polakova. Nauch. -issl. trudy VNIPIK no. 12:114-126 '60.

"Automatic production lines for the preparation of mixtures from liquid and solid components" by B. I. Andrushnikov. Reviewed by I. Shevchenko. Kouch. i rez. 22 no. 2:58 F '63.

Continuous line for the assembly and welding of firebox shells for grain driers. O. A. Rakov, A. P. Lisianskii. Svar. proizv. no. 1:10-20 Ja '63.

Determining practically permissible limit deviations of the accumulated errors of relative orientation during automatic assembling. A. B. Pukina. Izv. vys. ucheb. zav. i mashinostr. no. 9:100-109 '62.

Efficient utilization of working time is the most important factor in increasing labor productivity. V. Gorodetskii. Sots. trud 6 no. 1:62-65 Ja '63.

Mechanized production line for peeled tomatoes. A. Matveev, A. Strandzhev. Kons. i ov. prom. 10 no. 2:38-41 F '63.

Mechanized production line for the manufacture of molded dairy candy. P. F. Kolesnikov. Khleb. i kond. prom. 7 no. 1:10-13 Ja '63.

New production lines in the Blagoveshchensk confectionery factory. K. G. Gelmarov. Khleb. i kond. prom. 7 no. 1:33-34 Ja '63.

Organization of the multiple-type section assembly line with cycle starting for the manufacture of better quality light coats for men. R. I. Frukhshtein. Leh. prom. no. 3:67-71 Je-Ag '62.

Small size conveyor. A. Podtsov. Mest. prom. i khud. promys. 4 no. 2:7-8 F '63.

Some problems of precision calculation in designing automatic assembling machines. A. M. Malov, A. B. Pukina. Izv. vys. ucheb. zav. i mashinostr. no. 9:40-49 '62.

Trousers tailored on the continuous production line. E. Shashkov. Mest. prom. i khud. promys. 3 no. 1: 9-10 Ja '63.

Vil'davskii, I. M. [Design and operation of production lines for lot production of machinery and instruments] Proektirovaniye i eksploatatsiya potochnykh linii v serii- nom proizvodstve mashin i priborov. Moskva, Mashgiz, 1962. 219 p.

ASSES AND MULES—BIBLIOGRAPHY see Bibliography—Asses and mules

ASSONOV, VASILII ANDREEVICH, 1893-

V. A. Assonov; on his 70th birthday. Shakht. stroi. 7 no. 1:32 Ja '63.

ASTHENIA

Role of the state of the thyroid gland in asthenic syndromes following radiation disease. V. A. Rezentov, M. A. Lagun. Dokl. AN SSSR 148 no. 3:700-701 Ja '63. Use of amzil (diazil) in the treatment of asthenic states developed under the influence of some professional factors [with summary in English]. R. G. Golodets. Trudy Gos. nauch. -issl. inst. psikh. 35:297-307 '62.

ASTHMA

Comparative data from the ACTH and corticosteroid treatment of bronchial asthma [with summary in English]. B. B. Kogen, I. G. Danilov. Sov. med. 26 no. 12:28-32 D '62.

ASTRAKHAN—INDUSTRIAL MANAGEMENT

Too many "bosses" and not enough workers. P. Puzrakov. Mest. prom. i khud. promys. 3 no. 1:18 Ja '63.

ASTRAKHAN—MOTORBUS DRIVERS

A beacon. IU. Staroverov. Avt. transp. 41 no. 1:60 Ja '63.

ASTRAKHAN—MOTORBUS LINES

The might of public inspection. S. Matsevich. Avt. transp. 41 no. 2:10 F '63.

ASTRAKHAN—REVOLUTION, 1917-1921

Mushkatov, N. V. [Defense of Astrakhan and the defeat of counterrevolutionary forces in the Astrakhan region, 1918-1920] Oborona Astrakhani i razгром kontrrevoliutsionnykh sil v Astrakhan'kom krae, 1918-1920 gg. Astrakhan', Izd-vo gazety Volga, 1961. 191 p.

ASTRAKHAN PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

Kommunisticheskaya partiya Sovetskogo Soyuza. Arkhangel'skiy oblastnoi komitet. Partinyi arkhiv. [The Astrakhan Province party organization during the Great Patriotic War, 1941-1945; documents and source materials] Astrakhanskaya partinaya organizatsiya v gody Velikoi Otechestvennoi volny 1941-1945 gg.; sbornik dokumentov i materialov. Astrakhan'. Izd-vo "Volga," 1962. 282 p.

ASTRAKHAN PROVINCE—NEWSPAPER AND PERIODICAL CIRCULATION

As a result of improving propaganda. L. Danilova, N. Savina. Raspr. pech. no. 1:12-13 Ja '63.

ASTRAKHAN PROVINCE—WORLD WAR, 1939-1945

Kommunisticheskaya partiya Sovetskogo Soyuza. Arkhangel'skiy oblastnoi komitet. Partinyi arkhiv. [The Astrakhan Province party organization during the Great Patriotic War, 1941-1945; documents and source materials] Astrakhanskaya partinaya organizatsiya v gody Velikoi Otechestvennoi volny 1941-1945 gg.; sbornik dokumentov i materialov. Astrakhan'. Izd-vo "Volga," 1962. 282 p.

ASTRONAUTICS

Four hours of sensations. Sov. Soluz. no. 9:4 '62. Liapunov, B. V., and N. A. Nikolaev. [Over thorns to the stars] Skvoz' ternii k zvezdam. Per aspera ad astra. Izd-vo TekVLSM "Molodai gvardia," 1962. 174 p.

"Magnificent triumph in space." Sov. Soluz. no. 9:53 '62.

Roads into the universe. IU. Gagarin. Agitator. no. 5:9-11 Mr '63.

To the Communist Party and the peoples of the Soviet Union! To the peoples and governments of all countries! To all "progressive" humanity! Shkola i proizv. 6 no. 8:3-4 Ag '62.

To the stars. Vech. ned. shkola 5 no. 5:3-4 S-O '62.

ASTRONAUTICS—PSYCHOLOGY

Space psychology [with summary in English]. F. D. Gorbunov. Vop. psikh. no. 6:3-13 N-D '62.

ASTRONAUTS

Diary of an astronaut (to be continued). Av. i kosm. 45 no. 2:22-26 F '63.

Our heroic astronauts were awarded a title, "honorary radio operators." Radio no. 2:8 F '63.

Ready for a flight. A. G. Nikolaev. Sov. Soluz. no. 9:5 '62.

ASTRONOMICAL INSTRUMENTS

Using the principle of autocollimation in studying astronomical and geodetic instruments. O. D. Kilmov. Izv. vys. ucheb. zav. i geod. i aerof. no. 4:27-37 '62.

ASTRONOMICAL PHOTOGRAPHY

Observations of artificial earth satellites with a triaxial guided camera. M. K. Abele, K. K. Lapushka. Biol. sta. opt. nabl. isk. sput. Zem. no. 29:5-7 '62.

Simonenko, A. N. [Treatment of meteor photographs] Obrabotka fotografii meteorov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 38 p.

ASTRONOMICAL PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

Design, penetrating power and internal precision of the camera with a mobile film at the Pulkovo Observatory. L. A. Pannikov. Biol. sta. opt. nabl. isk. sput. Zem. no. 29:12-17 '62.

Determining lens distortion of the NAFA MK-75 camera. V. A. Iurevich. Biol. sta. opt. nabl. isk. sput. Zem. no. 29:30-33 '62.

Observations with the NAFA-35/25 camera. A. G. Krylov. Biol. sta. opt. nabl. isk. sput. Zem. no. 29:33-37 '62.

Tracking camera for the observation of artificial earth satellites [with summary in English]. M. Litigant, R. Kakhuak. Biol. sta. opt. nabl. isk. sput. Zem. no. 29: 25-29 '62.

ASTRONOMY

[Brief astronomical calendar for the year 1963] Kratkiy astronomicheskii kalendar' na 1963 god. Kiev, Izd-vo Akad. nauk USSR, 1962. 101 p.

- ASTRONOMY—ABSTRACTS**
[Astronomy] Ref. zhur.: Astron. nos. 1-3 Ja-Mr '63.
- ASTRONOMY—OBSERVATIONS** see subdivision under Chile
- ASTRONOMY—STUDY AND TEACHING**
Astronomy lessons. IU, M. Narinskii. Vech. sred. shkola 5 no. 6:69-73 N-D '62.
- ATABEKIAN, IOSIF**
Iosif Atabekian's "Italian" articles. A. M. Egiazarian. Izv. AN Arm. SSR. Obshchestv. nauki no. 11:61-69 N '60.
- ATANSOR LAKE REGION—ROCKS, IGNEOUS**
Age of the Bogdanovka magmatic complex (northern Kazakhstan). V. S. Zaita-Novitskii, V. S. Mishchenko. Sov. geol. 5 no. 12:132-133 D '62.
- ATASU REGION—MOLLUSKS, FOSSIL**
Sadykov, A. M. [Middle Paleocene bivalve mollusks in the Atasu region (central Kazakhstan)] Srednepaleozoi-skie dvustvorchatye molluski Atasu; Tsentral'nyi Kazakhstan. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 98 p. tables.
- ATBASAR—BOOKSELLERS AND BOOKSELLING**
From the station into the store. T. Ivanov. Koop. Kazakh. 5 no. 4:35-37 Ap '62.
- ATHEISM**
(see also subdivision under Nikolayev Province; Ukraine)
Akademika nauk SSSR. Institut filosofii. [Philosophical problems of atheism] Filosofskie problemy ateizma. Moskva, Izd-vo Akad. nauk SSSR, 1963. 278 p.
"Basic principles of atheism" by V. I. Voiko. Reviewed by H. Piduts'kyi. Voiev. ateist 3 no. 2:58-59 F '63.
"Basic principles of atheism" by V. K. Tancher. Reviewed by A. I. Eryshev, O. Onyshchenko. Komm. Ukr. 37 no. 5:88-91 My '62.
Bilohub, I. [With the fire of Prometheus; atheistic ideas in the works of Ukrainian democratic writers] Volnem Prometeia; ateistychni ideii v tvorakh ukrains'kykh pys'mennykh-demokrativ. [Luhansk] Luhansk'e oblasne vyd-vo, 1960. 98 p.
(AII)
An effective means of atheistic propaganda. N. Sortianu. Komm. Mold. 7 no. 5:64-69 My '62.
From darkness to light. V. Egorov. Agitator no. 2: 59-60 Ja '63.
"From the other world; antireligious tales of the peoples of the U. S. S. R.," compiled by V. N. Kneicher. Reviewed by I. A. Solodchenko. Nar. tvorch. ta etn. 6 no. 3:139-140 Ji-S '62.
Happy New Year! Nauka i rel. 4 no. 1:3-7 Ja '63.
Is it worthwhile to destroy people's faith? A. Osipov. Nauka i rel. 4 no. 1:47-49 Ja '63.
"Problems in the history of religion and atheism. Vol. 9: Present-day sects and how we struggle against them; based on the materials of the 1959 expedition to Tambov Province." Reviewed by S. A. Tokarev. Vop. ist. 38 no. 2:137-139 F '63.
Questions and answers. Nauka i rel. 4 no. 1:95 Ja '63.
"A straight talk." Reviewed by P. Tarasenko. Voiev. ateist 3 no. 2:61-62 F '63.
Surprise in a museum. Alla Trubnikova. Ogonek 40 no. 51:30-31 D '62.
You should persistently try to persuade your wife. E. Syvintsov. Voiev. ateist 3 no. 2:18 F '63.
- ATHEISM—BIBLIOGRAPHY** see Bibliography—Atheism
- ATHEISM—STUDY AND TEACHING**
(see also subdivision under Bukovina; Leningrad; Volgograd Province; Margelan)
Against obscurantism. V. Gru. Prof. -tekh. obr. 19 no. 11:22-24 N '62.
[Answers to believers; a popular handbook] Otveti verulushchim; popularnyi spravochnik. Pod obshch. red. V. A. Mezentseva. Moskva, Gospolitizdat, 1962. 478 p.
Atheistic education during the teaching of physics. I. I. Beavorovskii. Fiz. v shkola 22 no. 6:22-24 N-D '62.
Atheists give battle! A. Pishkinas. Klub 11 no. 6:12 Je '62.
Disputations and "literary courts." Artem Borzenko. Nauka i rel. 4 no. 1:70-72 Ja '63.
Editor's mailbox. A. Foteeva and others. Agitator no. 7:59-60 Ap '62.
Let's improve the training in atheism. B. M. Arkhipov. Vech. sred. shkola 5 no. 5:66-70 S-O '62.
Letters from Novosibirsk. Nauka i rel. 4 no. 1:14-16 Ja '63.
On the defensive? No, on the offensive! I. Cherkov. Klub 11 no. 5:22-24 My '62.
Scientific and atheistic club. G. I. Shapiro. Prep. ist. v shcole 18 no. 1:92-93 Ja '63.
Scientific and atheistic evening with the use of physical experiments. R. G. Krotova. Fiz. v shcole 22 no. 6: 65-68 N-D '62.
- ATHERINIDAE**
Availability of atherinas to the nocturnal predator, the rockling Gaidropsarus mediterraneus L. under various light conditions. D. S. Pavlov. Vop. ikht. 3 no. 1:158-162 '63.
- ATHLETES**
Birukova, Z. I. [Nervous system and sports] Nervnaya sistema i sport. Moskva, Fizkul'tura i sport, 1962. 39 p. (Biblioteka sportmena)
- ATHLETIC ABILITY**
Complex study of the state of an athlete's training. (In Georgian with summary in Russian) V. G. Kunchulia, D. M. Tsverava, O. Sh. Khundadze. Trudy Tbil. GIDUV 6:149-154 '62.
- ATLANTIC OCEAN—BIRDS—MIGRATION**
Observations on the flight of land birds in the North Atlantic. O. V. Mitropolskii. Ornitologiya no. 5: 330-332 '62.
- ATLANTIC OCEAN—FISHES**
Some characteristics of the distribution of bottom fishes in the Dakar area. D. V. Radakov. Vop. ikht. 2 no. 4: 581-591 '62.
- ATLANTIC OCEAN—OCEANOGRAPHY—CONGRESSES**
Studies on the Atlantic Ocean; a conference in Kallinograd. R. B. Mamaeva. Vest. AN SSSR 33 no. 2:121-122 F '63.
- ATLANTIC OCEAN—SARDINES**
Characteristics of the structure of the scale cover in West African Sardinella aurata Val. V. L. Pechkurenkov. Vop. ikht. 3 no. 1:131-143 '63.
- ATLANTIC OCEAN—WATER—ANALYSIS**
Quantitative distribution of suspensions in the surface layer of the eastern part of the Atlantic Ocean. E. I. Gordeev. Dokl. AN SSSR 149 no. 1:181-184 Mr '63.
- ATLASES**
On the publication of the "Political and economic atlas of the world" in Hungary. L. S. Buschgens, N. I. Irov. Izv. AN SSSR, Ser. geog. no. 1:124-129 Ja-F '63.
Plenary meeting of the Commission of National Atlases of the International Geographical Union in Budapest, September 7-11, 1962. K. A. Salishchev. Izv. AN SSSR, Ser. geog. no. 1:130-134 Ja-F '63.
- ATMOSPHERE**
(see also subdivision under Arctic Ocean; Eurasia; Far East; Pacific Ocean)
Belinskii, V. A., and V. A. Poblakho. [Aerology] Aerologiya. Leningrad, Gidrometeoizdat, 1962. 463 p.
Development of a theory on the interaction of solar corpuscular streams with the earth's atmosphere. B. I. Sazonov. Trudy GGO no. 133:107-118 '62.
Hydrodynamic calculation of orographic cloudiness in a stable and in an unstable atmosphere. Kh. N. Zeitunian. Dokl. AN SSSR 148 no. 3:585-588 Ja '63.
Pogossian, Kh. P. [Air covering the earth] Vozdushnaya obolochka Zemli. Leningrad, Gidrometeoizdat, 1962. 298 p.
Relation between the general circulation of the atmosphere and the present-day distribution of glaciers in the Northern Hemisphere. I. V. But. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 9:10-39 '62.
Rotation of the earth and the circulation of the atmosphere. Priroda 52 no. 2:116 '63.
Some general characteristics of air movement in the troposphere and lower ionosphere. B. I. Sazonov. Trudy GGO no. 133:119-126 '62.
Stages in the development of external geospheres and sedimentary rocks in the history of the earth. N. M. Strakhov. Izv. AN SSSR, Ser. geol. 27 no. 12:3-22 D '62.
Tverskoi, P. N. [Course in meteorology; the physics of the atmosphere] Kurs meteorologii; fizika atmosfery. Pod red. E. S. Seleznevoi. Leningrad, Gidrometeoizdat, 1962. 669 p.
Unsolved problems of interaction between the upper and lower layers of atmosphere. B. I. Sazonov. Trudy GGO no. 133:127-137 '62.
- ATMOSPHERE, UPPER**
(see also subdivision under Ashkhabad)
Akademika nauk SSSR. Mezhdunarodnyy nauchno-issled. komitet. V razdel programmy MGG. [Papers] Sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, No. 11. Khvostikov, I. A. [Physics of the ozone-sphere and ionosphere] Fizika ozonosfery i ionosfery. 1963. 662 p. [With summary in English]
Air density distribution in the troposphere and in the lower layers of the stratosphere of the central Arctic. L. G. Basova, N. V. Shiposh. Probl. Arkt. i Antark. no. 10:63-69 '62.
- ATMOSPHERIC PRESSURE**
Calculating the effect of atmospheric pressure fields on ice drifting in the Arctic seas. A. I. Murzin. Probl. Arkt. i Antark. no. 10:47-55 '62.
- An example of calculating an influence function. R. Tiliashikhova. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 6:44-52 '62.
One problem of forecasting the field of atmospheric pressure. A. F. Diubuk, V. M. Herezni. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:36-40 Mr-Ap '62.
- ATMOSPHERIC TEMPERATURE**
Changes in the heat and moisture exchange between forest and atmosphere under the influence of surrounding territory. IU. L. Rauner. Izv. AN SSSR, Ser. geog. no. 1:15-26 Ja-F '63.
Temperature field in the system of developing barometric formations in the lower stratosphere in winter. A. A. Pavlovskaya. Meteor. i gidrol. no. 2:21-29 F '63.
Thermoelectric method of measuring the gradients of air temperature in the ground layer of the atmosphere. L. R. Struzer, A. P. Istomin. Trudy GGO no. 130:66-81 '62.
- ATMOSPHERIC TRANSPARENCY**
Expected distance of the optical visibility of beacon lights, actual atmospheric transparency coefficient, and their determination. IU. Akubovskii-Lipnitskii. Mer. flot 23 no. 2:20-21 F '63.
- ATMOSPHERIC TURBULENCE**
Characteristics of the free air turbulence in the eastern part of the Arctic. A. M. Kovrova. Probl. Arkt. i Antark. no. 10:56-61 '62.
- ATOMIC BOMB**
The decision to start an atomic war [translated from the English]. L. Morton. Voen. ist. zhur. vol. 5 no. 1:79-72 Ja '63.
- ATOMIC BOMB—PHYSIOLOGICAL EFFECT**
The underground nuclear explosions are by no means inoffensive. G. M. Frank. Nov. vrem. 20 no. 9:10-16 Mr '63.
- ATOMIC CLOCKS**
Miasnikov, L. L. [Atomic clocks] Atomnyye chasy. Leningrad, Ob-vo po rasprostraneniya poln. i nach. znaniy RSFSR, 1962. 53 p.
- ATOMIC POWER ENGINEERING** see Nuclear engineering
- ATOMIC POWER PLANTS**
Atomic power plants [with summary in English]. S. A. Skvortsov. Trudy Inst. fiz. AN Gruz. SSR 6:15-23 '62.
- ATOMIC WARFARE**
"Thinking about the unthinkable" [in English] by Herman Kahn. Reviewed by IU. Sheinin. Mir, obr. i mezhdunar. otn. no. 1:141-146 '63.
- ATOMIC WEAPONS**
(see also subdivision under Europe, Western)
The role of Bonn in the Atlantic alliance. A. Galkin. Nov. vrem. 20 no. 12:9-11 Mr '63.
- ATOMIC WEAPONS—INTERNATIONAL CONTROL**
World events. A. Bel'skaya. Rabotnitsa 49 no. 3:21 Mr '62.
- ATOMIC WEAPONS—TESTING**
Peoples of the entire world protest against atomic tests. Ukraina no. 13:3 Ji '62.
- ATOMS**
Theory of the diffusion of interstitial atoms in ordered alloys of the CuPt type [with summary in English]. M. I. Dekhtiar. Ukr. fiz. zhur. 8 no. 2:163-168 F '63.
- ATOPHAN** see Cinchophen
- ATRAKHOVICH, KANDRAT, 1890-**
"Kandrat Krapiva's satirical works" by A. Makarevich. Reviewed by An. Shumina. Belarus' 20 no. 2:23-29 F '63.
- ATTAR OF ROSES**
Processing of roses in an apparatus with continuous action. F. S. Tanasenko. Masl. -zhir. prom. 29 no. 1:30-33 Ja '63.
- AUDIO-VISUAL EDUCATION**
Use of projecting apparatus in extracurricular work. P. Bakulenko, V. Shirobokova, V. Sychev. Shkola-int. no. 6:65-68 N-D '62.
- AUDIOMETRY**
Audiometric study of subjective murmurs in the ear before and after intervention on the stapes [with summary in English]. A. I. Tsyganov. Zhur. uzh. i nos. i gorl. bel. 22 no. 4:37-43 Ji-Ag '62.
Vocal audiometry with the use of Georgian words [in Georgian with summary in Russian]. G. M. Gidzinskii. Trudy Tbil. GIDUV 6:343-348 '62.
- AUDITING AND INSPECTION**
(see also subdivision under Donetsk Province; Kazakhstan; Omsk; Tiraspol; Volyn' Province)
Main trends in the analysis of reports and balances for 1962. N. Malakhov, S. Rumin. Fin. SSSR 37 no. 2: 16-24 F '63.
Thousands of volunteer inspectors and economists. K. Titov. Fin. SSSR 37 no. 2:49-51 F '63.

AUESKY'S DISEASE see Pseudorabies

AUREOMYCIN

Assimilation of biomyacin and terramycin adsorbed on clays by chickens. V. V. Kotelev and others. *Izv. AN Mold. SSR* no. 7:43-46 '62.

Effect of technical biomyacin (Actiflon-M) on the growth of calves [in Armenian with summary in Russian]. L. G. Vardevanian. *Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR* 5 no. 11:73-79 '62.

Effectiveness of combined use of penicillin and biomyacin in raising chicks. R. V. Berdichevskii. *Blul. nauch. i tekhn. inform. SZNUSKH* no. 3:59-60 '58.

From our experience with antibiotics. Z. A. Urmanov. *Veterinariia* 38 no. 10:75 O '61.

Subculturing the products of terramycin and biomyacin. N. V. Malakhov. *Veterinariia* 38 no. 10:77-78 O '61.

AUSCULTATION

"Auscultative symptomatology of acquired vitia cordis" by I. A. Kassirskii, G. I. Kassirskii. Reviewed by I. A. M. Grushko. *Sov. med.* 26 no. 12:127-128 D '62.

AUSTENITE—TESTING

Rapid method for estimating the tendency of austenite steels and alloys to local failure. B. I. Medovar, V. A. Litvuk-Khudin. *Zav. lah.* 29 no. 1:81-86 '63.

AUSTRALASIA—TIDAL WAVES

Spreading of tidal waves and the characteristics of tidal oscillations of the Australasian sea level. K. T. Bogdanov. *Mor. sbor.* 46 no. 2:42-48 F '63.

AUSTRALIA—FOREIGN RELATIONS

"Australia and the countries of Asia: studies in the field of international relations, 1945-1955" by N. P. Letova and "The foreign policy of Australia" by A. Bobrov. Reviewed by O. I. Kurochkin. *Nov. i noveish. ist.* no. 6: 153-155 '62.

AUSTRALIA—WIRE FENCING

Great Australian fence. *Znan. -sila* 37 no. 12:46 D '62.

AUSTRIA—POLITICS AND GOVERNMENT

The lesson of the Anschluss. Erwin Zucker-Schilling. *Nov. vrem.* 20 no. 10:22-23 Mr '63.

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Marshak, S. I. A. [At the start of life; pages of reminiscences] V mchale zhizni; stranitsy vospominani. Moskva, Deliz, 1962, 209 p.

Tolstol, L. N. [Complete collected works] Polnoe sobranie sochinenii. Izd. osushchestvlyaietsia pod nadzheniem Gos. red. komissii. Moskva, Goslitizdat. Vols. 21, 37, 46, 81-82, 1956-1957.

AUTHORS, INDIC

"Who's who of Indian writers" [in English]. Reviewed by A. E. Azarkh. *Nar. Az. i Afr.* no. 1:233-234 '63.

AUTHORS, LABORING CLASS

Film about laboring class authors. Klub 11 no. 4:26 Ap '62.

AUTOCLAVES

Automatic programmed regulator for autoclaves. G. S. Ivanov, I. M. Blakhman, K. A. Popov. *Transp. stroi.* 12 no. 7:36-39 Ji '62.

Automation of heat and moisture treatment. G. Rovinskii. *Stroitel'* 9 no. 2:6-8, 12-13 F '63.

Pay more attention to the quality of ceramic tiles for the lining of digesters. V. P. Mylnikov. *Bum. prom.* 38 no. 2:31-32 F '63.

AUTOGRAPHS

Autographs of the heroes of the Patriotic War of 1912. *Vop. arkh.* 7 no. 3:114 Ji-S '62.

AUTOMATA

Coding of abstract automata [with summary in English]. I. V. Kapitonova. *Dop. AN URSR* no. 12:1553-1555 '62.

AUTOMATIC CONTROL

Adaptive linear models with phase characteristics adjustment [with summary in English]. L. M. Osovskii. *Avtom. i telem.* 24 no. 2:172-182 F '63.

Arkhypov, G. V. [Automatic control of air conditioning] Avtomaticheskoe regulirovanie konditsionirovaniia vozdukh. [Moskva] Profizdat, 1962, 343 p.

Automatic batching of titanium dioxide suspensions in the process of continuous polymerization of caprolactam. A. X. Grishchenko and others. *Khim. volok.* no. 1:57-60 '63.

Automatic charging systems for cupola furnaces. V. I. Vrublevskii, I. S. Erenee, O. M. Kryzhanovskii. *Mekh. i avtom. proizv.* 17 no. 2:6-8 F '63.

Automatic control devices for marine electric power systems. *Sudostroenie* 29 no. 2:40-41 F '63.

Automatic control of a fluidized-bed unit for drying potassium chloride. P. A. Kulle, L. V. Lopachenok. *Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 2:16-18 '63.

Automatic control of a ventilation and drainage apparatus. M. D. Filchenkova, A. V. Zlodcev. *Ugol. prom.* no. 6: 48-53 N-D '62.

Automatic control of aluminum electrolytic cells. V. I. Gusev. *TSvet. met.* 35 no. 12:44-47 D '62.

Automatic control of an electric train. G. V. Faminetskii. *Elek. i tepl. tiaga* 7 no. 1:10-12 Ja '63.

Automatic control of electric lighting. P. P. Kasperavichus. *Prom. energ.* 18 no. 2:5-8 F '63.

Automatic control of gasified low-power boiler units. V. I. Kozachok. *Bezop. truda v prom.* 7 no. 2:28-29 F '63.

Automatic control of pouring into metal molds. N. P. Dubinin. *Izv. vys. ucheb. zav. mashinostr.* no. 9: 85-97 '62.

Automatic control of resistance welding. N. L. Kaganov. *Izv. vys. ucheb. zav. mashinostr.* no. 9:140-144 '62.

Automatic control of technological processes in foreign ore dressing plants (from foreign periodicals). E. L. Krivskii, M. N. Minster. *Gor. zhur.* no. 2:72-73 F '63.

Automatic control of the lighting system in poultry houses. A. A. Popov, L. S. Fed'. *Mekh. sil. hosp.* 13 no. 12:25 D '62.

Automatic control of the tension of materials during their processing. G. Z. Al'tman, L. A. Musakov, P. A. Obnovlenskii. *Mekh. i avtom. proizv.* 17 no. 2:36-39 F '63.

Automatic control of water level in small boilers. V. S. Poborchid. *Prom. energ.* 18 no. 2:22-25 F '63.

Automatic programmed regulator for autoclaves. G. S. Ivanov, I. M. Blakhman, K. A. Popov. *Transp. stroi.* 12 no. 7:36-39 Ji '62.

Automatic proportioning of sintering charge mixture components. D. A. Kissin, I. A. Plintov, D. P. Pritykin. *Stal'* 23 no. 1:12-13 Ja '63.

Automatic regulation of the cooling of diesel locomotive engines by means of a fan with turning blades. G. I. Levin. *Trudy MHT* no. 151:76-82 '62.

Automatic regulation of the pressure of polycaprolactam in a melt-conducting pipe. A. Z. Grishchenko and others. *Khim. volok.* no. 1:53-55 '63.

Automatic regulator for room temperature. Zhil. -kom. khoz. 12 no. 8:32a-32b Ag '62.

Automatic regulator of the discharge from closed irrigation systems. N. V. Kokala. *Vop. glidr.* no. 10:56-60 '62.

Automatic return of tunnel kiln cars. N. F. Shestopalov. *Ogneupory* 28 no. 2:68-70 '63.

Automatic steering of a combine harvester. N. Petrov. *Tekhn. v sel'khoz.* 22 no. 7:83-84 Ji '62.

Automatic thread-rolling machine for bushings. D. B. Guz, I. A. Rubashevskii. *Leh. prom.* no. 3:6-10 Je-Ag '62.

Automation of feeding the components of a ceramic batch and mechanization of the loading of grinders. A. E. Rokhvarger. *Stek. i ker.* 20 no. 2:30-32 F '63.

Automation of the ozonizer. I. Kh. Bikkenin. *Vod. i san. tekhn.* no. 2:22-24 F '63.

Automation of the process of drying of salts in an apparatus with a fluidized bed. P. A. Kullo, L. V. Lopachenok. *Khim. prom.* no. 11:805-808 N '62.

Aven, O. I., and others. [Contactless executive mechanism with increased sensitivity and a three-phase motor] Beskontaktnyi ispolnitel'nyi mekhanizm povysheniia chuvstvitel'nosti s trekhfaznyim dvigatelom. Moskva, Filial Vses. in-ta nauch. i tekhn. informatsii, 1957, 38 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 42, No. P-57-4/3)

Basic problems of the automatic control of linear values in connection with further development of the machinery industry in the Soviet Union. L. N. Vorontsov. *Izv. vys. ucheb. zav. mashinostr.* no. 9:54-59 '62.

Belov, V. P., B. P. Kozlov, and V. G. Lezhchenko. [Automatically controlled electric drives of textile machinery] Avtomatizirovannyi elektropriivod tekstil'nykh mashin. Moskva, Mashgiz, 1962, 371 p.

Calculating tuning parameters of a multiple-point proportional relay regulator for an object with lagging. D. Balkani, L. P. Smolnikov. *Izv. vys. ucheb. zav. prib.* 6 no. 1:27-37 '63.

Calculation of optimal variable parameters of a linear system with finite memory [with summary in English]. M. F. Romanov. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6: 1232-1242 '62.

Calculation of the stability of a system for regulating thermal processes with consideration of stability reserve. M. A. Seleznev. *Toploenergetika* 10 no. 2:50-54 F '63.

Choice of automatic control networks providing desirable quality of transient processes in controlled objects [with summary in English]. V. P. Kolmychikov. *Avtom. i telem.* 24 no. 2:277-278 F '63.

Concerning a certain problem in the theory of optimal systems with time delay [with summary in English]. V. M. Popov, A. Khalanai. *Avtom. i telem.* 24 no. 2: 133-135 F '63.

Concerning V. N. Iakovlev's article, "Use of a slowly varying parameters technique in studying nonlinear self-oscillatory systems with delay." A. D. Gladun, P. A. Perepeliatnik, V. V. Migulina. *Radtekh. i elektron.* 8 no. 2:355-357 F '63.

Contactless transistorized level indicators for materials in vessels. V. M. Skol'skii. *Koks i khim.* no. 1:54-57 '63.

Control cabins for cranes. B. M. Zlobinskii. *Bezop. truda v prom.* 7 no. 1:33-35 Ja '63.

Davidenko, P. A. [Electrical section of a wood drying automatic control system] Elektronnaya skhema avtomaticheskogo kontrolia sushki drevessiny. Moskva, Goslesbumizdat, 1962, 53 p. (DNAL)

"Design of discrete control systems" by L. T. Kuzin. Reviewed by K. I. Kurakin. *Priboroostroenie* no. 1:30-31 Ja '63.

Determination of the control law of an optimizer taking into account inertial characteristics of the objects [with summary in English]. I. U. Bobrov, R. V. Kornilov, V. P. Putaillo. *Avtom. i telem.* 24 no. 2:183-192 F '63.

Determination of the distance between transducers in the control of space-distributed fields [with summary in English]. E. L. Itskovich. *Avtom. i telem.* 24 no. 2: 233-239 F '63.

Device for automatically recording local relief from an airplane during airborne geophysical surveys. V. F. Davydov. *Razved. i okh. nedr.* 29 no. 1:52-55 Ja '63.

Device for turning on street lights. V. Babul', Zhil. -kom. khoz. 12 no. 8:25 Ag '62.

Dynamics of automatic control systems for air conditioning units. M. M. Khasanov. *Dokl. AN Tadzh. SSR* 3 no. 5:9-16 '60.

Dynamics of the automatic control of levels of polycaprolactam in the NP apparatus. A. Z. Grishchenko, K. V. Usenko, O. V. Sakhenko. *Khim. volok.* no. 3:67-69 '62.

Efficiency of the introduction of radioisotope devices and means of automation in industry. S. D. Panov. *Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 1:37-41 '63.

Efficiency of the operation of control and regulating devices for technological processes. P. M. Stukolov. *Priboroostroenie* no. 1:17-18 Ja '63.

Electric automatic machines cure concrete. K. Ignat'ev, M. Nikiforov. *Na stroi. Ros.* 3 no. 12:9 D '62.

An electronic automatic regulator and remote control system for an electric steel-smelting furnace. D. V. Solodovchenko. *Prom. energ.* 18 no. 2:9-10 F '63.

Engineering and economic efficiency of complex telemechanical and automatic control systems in electric power distribution networks. N. S. Shabalina. *Elek. sta.* 34 no. 1:60-64 Ja '63.

Evaluation of the reliability of an electrical automatic control system [with summary in English]. A. I. Resan. *Avtom. i telem.* 24 no. 2:223-232 F '63.

Experimental study of a system consisting of a dielectric amplifier and medium-sized motor. V. M. Pluzhnikov, I. U. Ignat'ev. *Avtom. i telem. sbor. st.* no. 3:44-52 '62.

A feedback link for relay control systems. I. A. T. Dub. *Avtom. kont. i izm. tekhn.* no. 6:155-164 '62.

Iakubaitis, E. A. [Principles of engineering cybernetics] Osnovy tekhnicheskoi kibernetiki. Riga, Izd-vo Akad. nauk Latvieskoj SSR, 1962, 286 p.

Impulse-type power control system of a nuclear reactor. I. U. V. Grigor'ev, B. A. Kuvalinnikov. *Avtom. i telem. sbor. st.* no. 3:16-21 '62.

Increase in the reliability of a protection system in the presence of noise. P. I. Popov, V. G. Tarant'ev. *Avtom. i telem. sbor. st.* no. 3:22-25 '62.

Installation of rectifiers with solenoid drives for automatic control of the circulation of centrally heated water. A. S. Titunin. *Prom. energ.* 18 no. 2:8 F '63.

Instruments for the automatic control of the viscosity and level of liquids in the manufacture of artificial leather. V. V. Matveev, A. M. Lushnikov. *Nauch. -issl. trudy VNIPIK* no. 12:95-104 '60.

Introducing automatic control of devices used in proportioning the charge mixture for large ferroalloy furnaces. B. V. Semenovich, V. L. Mironchenko, A. A. Mosol. *Stal'* 23 no. 1:50-54 Ja '63.

Investigating the relationship between dynamic loads and deviations of current dimensions in kinematic pairs of automatic systems. I. U. N. Llandon. *Izv. vys. ucheb. zav. mashinostr.* no. 9:174-182 '62.

Komarov, G. P., and I. U. N. Chekhovoi. [Automation of industrial processes in a thermal electric-power plant] Avtomatizatsiia proizvodstvennykh protsessov teplovoi elektrostantsii. Kiev, Oostekhlizdat, USSR, 1962, 116 p.

Kon'kov, A. M. [Automatic program control of heat-treatment processes] Programnoe avtomaticheskoe upravlenie rezhimami termooobrabotki. Leningrad, 1961, 11 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, Obmen peredovym opytom, Seriya: Metallovedenie i termicheskaya obrabotka, no. 9)

Krinskii, I. I. [Stand for testing electrical automatic angular velocity controllers] Stand dlia ispytaniia avtomaticheskikh regulirovok skorosti vrashcheniia elektricheskogo tipa. Moskva, Filial Vses. in-ta nauch. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 42, No. P-58-71/8)

Krug, E. K., and S. I. Shirochenskii. [Contactless control device with impulse control of the executive motor] Beskontaktnoe regulirovanie ustroistva s impul'snym upravleniem ispolnitel'nym dvigatelom. Moskva, Filial Vses. in-ta nauch. i tekhn. informatsii, 1958, 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 42, No. P-58-47/4)

AUTOMATIC CONTROL (Continued)

- Kulagin, B. P. [Electronic and automatic control on ships] *Sudovaya elektronika i avtomatika*. Moskva, Izd-vo "Morskoi transport," 1962, 407 p.
- Laboratory of electronic computers. E. Azritsian. Prof.-tekh. obr. 19 no. 11:17-18 N '62.
- Malyi, S. A. [Introducing automatic control of holding furnaces] *Avtomatizatsiya metodicheskikh pecheti*. Moskva, Metallurgizdat, 1962, 102 p.
- Method of parallel conversion of the binary reflected code to the conventional binary system. L. V. Zhdanov. *Izv. vys. ucheb. zav.; prib.* 6 no. 1:54-57 '63.
- Modeling of a generator taking into account saturation, hysteresis, and change of the angular velocity. A. A. Vavilov. *Elektricheskoye* no. 1:33-36 Ja '63.
- A new automatic transistor potentiometer for measuring the e. m. f. of thermocouples. B. I. Blazhkevich, V. G. Zubov. *Avtom. kont. i izm. tekhn.* no. 6:128-132 '62.
- New diagram for the control of strip cutting. V. Niko- laev, S. Kamenetskii. *Metallurg* 8 no. 2:32-33 F '63.
- Noncontact switches in automatic control systems. V. I. Milovzorov. *Sudostroenie* 29 no. 2:38-40 F '63.
- On the stability of solutions to differential operator equations with delayed arguments for perturbations bounded in the mean. L. Kh. Liberman. *Sib. mat. zhur.* 4 no. 1:138-144 Ja-F '63.
- Operations of a dredger with SARZ-4K automatic control. P. Kalyshev. *Rech. transp.* 22 no. 1:35-36 Ja '63.
- Optimum conditions for the motion of a point of variable mass in a uniform central field. G. E. Kuzmak, V. K. Isayev, B. Kh. Davidson. *Dokl. AN SSSR* 149 no. 1:58-61 Mr '63.
- Pervozvanskii, A. A. [Random processes in nonlinear automatic systems] *Sluchainye protsessy v nelineinykh avtomaticheskikh sistemakh*. Moskva, Fizmatgiz, 1962, 351 p.
- Present state and principal trends in the automation of the control processes of electric rolling stock. B. P. Petrov, L. D. Kochurav. *Elektricheskoye* no. 1:26-32 Ja '63.
- Problem concerning the use of inertial links for constructing a certain class of automatic control systems with variable structure. Part 2 [with summary in English]. S. V. Emel'yanov, V. A. Taran. *Avtom. i telem.* 24 no. 2:193-201 F '63.
- A problem of automatic control [with summary in English]. V. M. Romanenko. *Dop. AN URSR* no. 12: 1549-1552 '62.
- Problems in consolidating active automatic control equipment. A. D. Fedorov. *Izv. vys. ucheb. zav.; mashinost.* no. 9:50-53 '62.
- Problems in the automatic control of grain drying systems. M. Platonov, I. I. Mitrofanov. *Muk.-elev. prom.* 28 no. 11:19-16 N '62.
- Problems in the over-all mechanization and automation of open-pit workings. A. A. Bogomolov, Gor. zhur. no. 2:6-9 F '63.
- Programming arrangement. V. I. Litvin. *Fiz. v shkole* 22 no. 6:58-60 N-D '62.
- Proportional-differential controlling device using magnetic amplifiers in vibration operation [with summary in English]. O. M. Minina, V. S. Serzhers. *Avtom. i telem.* 24 no. 2:215-222 F '63.
- Pushkin, V. N., and V. S. Zgur'skii. [Man and automatic machine; psychology and technology] *Chelovek i avtomat; psikhologiya i tekhnika*. Moskva, Izd-vo "Znanie," 1963, 31p. (Novoe v zhizni, nauke, tekhnika, IV Seriya; Tekhnika, no. 6)
- Reduction of a nonstationary operator to products of stationary operators with corresponding kernels [with summary in English]. A. N. Skliarevich. *Avtom. i telem.* 24 no. 2:135-142 F '63.
- Response to letters written to the editor by A. D. Gladun, P. A. Perepelintskii, and the study group of the Department of the Theory of Oscillations at Moscow University. V. N. Iakovlev. *Radiotekhnika i elektronika* 8 no. 2:357-358 F '63.
- Semiautomatic jig-boring machine with position programming control. I. I. Tarasenko, L. E. Chalik. *Mashinostroenie* no. 6:9-11 N-D '62.
- Series of blastproof electric apparatuses for automating the loading part of a skip hoist. M. I. Stolbun, R. S. Gelidov. *Ugol. prom.* no. 6:44-48 N-D '62.
- Signalling and control of the operation of the PP-350-IZ unit for the formation of capron filament. V. A. Fateev, N. A. Smolin. *Khim. volok.* no. 3:64-67 '62.
- Simplified method for analytical construction of root trajectories [with summary in English]. G. A. Bendrikov, K. F. Teodorovich. *Avtom. i telem.* 24 no. 2:268-270 F '63.
- Some problems concerning the selection of the structure of a multichannel digital regulator [with summary in English]. T. M. Aleksandridi. *Avtom. i telem.* 24 no. 2:202-214 F '63.
- Standardized automatic dumper with a vibrating cleaner. A. S. Serebriiskii. *Ugol. prom.* no. 6:40-44 N-D '62.
- Statistical characteristics of noise resulting from level quantization [with summary in English]. I. M. Astapov, V. S. Medvedev. *Avtom. i telem.* 24 no. 2:164-171 F '63.
- Study of the effect of certain parameters on the character of transients in a system of automatic dosage and pouring of liquid metal [with summary in English]. A. D. Pushchalovskiy. *Dop. AN URSR* no. 12:1575-1579 '62.
- Study of the use of calculating machines in regulating movement in open-pit haulage. A. V. Guckov, A. D. Shkol'nikov. *Gor. zhur.* no. 2:45-48 F '63.
- Synthesis of amplitude-type sampled-data systems by means of pulse shape correlation [with summary in English]. R. S. Rutman. *Avtom. i telem.* 24 no. 2: 151-163 F '63.
- Testing a sound-ranging regulator for the automatic control of mill charging at the Tekeli ore dressing plant. B. I. Revazashvili, A. N. Ryndin, I. L. Herzin. *Tsvet. met.* 35 no. 12:8-12 D '62.
- A transistor amplifier for measuring devices of automatic control systems. N. I. Smirnov. *Avtom. kont. i izm. tekhn.* no. 6:169-171 '62.
- A two-positional regulator with a compensating signal transducer. A. I. Chernie. *Izv. vys. ucheb. zav.; radiofiz.* 5 no. 6:1245-1247 '62.
- Use of continuous mathematical machines for experimental determination of the parameters of dynamic elements. V. M. El'iasberg. *Izv. vys. ucheb. zav.; prib.* 6 no. 1:38-46 '63.
- Use of ordinary automatic control means. A. F. Bobkov, N. I. Stepin. *Elek. i tepl. siaga* 6 no. 12:26 D '62.
- Utilization of the criterion of integral energy in some problems of automatic control. B. A. Aref'ev. *Izv. vys. ucheb. zav.; prib.* 6 no. 1:47-53 '63.
- Vasil'eva, N. P., and I. Gashkovets. [Logic elements in industrial automatic control systems] *Logicheskie elementy v promyshlennoi avtomatike*. Moskva, Gosenergizdat, 1962, 159 p. (Biblioteka po avtomatike, no. 68)
- Vibrations of a nonlinear system filled with liquid and subject to random disturbances. N. A. Nikolaenko. *Trudy TSNIISK* no. 18:51-90 '62.

AUTOMATIC CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: *Avtom., i telem. i vych. tekhn.* nos. 1-3 Ja-Mr '63.

AUTOMATIC CONTROL—BIBLIOGRAPHY see Bibliography—Automatic control

AUTOMATIC CONTROL—CONGRESSES

All-Union scientific and technical conference on remote and programmed control in forging. Kuz.-shtam. proizv. 5 no. 1:47-48 Ja '63.

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATIC TELEPHONE see Telephone, Automatic

AUTOMATIC TIMERS

Short time-interval meter. B. A. Predain, M. I. Filimonchev. *Izm. tekhn.* no. 1:28-30 Ja '63.

AUTOMATION

(see also subdivision under Chirkent Province)

Automatic control of founding processes. M. I. Vorob'ev. *Izv. vys. ucheb. zav.; mashinost.* no. 9:98-99 '62.

Automation of oil production using compressors. I. Sh. Kuliev. *Bezop. truda v prom.* 6 no. 11:25-28 N '62.

Automation of the enterprises of large-scale public food service abroad. V. G. Butenko, A. V. Liharskii. *Mekh. i avtom. proizv.* 17 no. 1:51-53 Ja '63.

Automation of the passage of intrafactory electric trains on crossings. I. E. Bogdanov. *Tekst. prom.* 23 no. 1: 82-84 Ja '63.

Automation of the shothblast unit of an electric pipe welder. V. G. Bezumenko, B. V. Furmanov. *Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 2:6-8 '63.

Automation today and tomorrow. S. Krasivskii. *Okhr. truda i znts. strakh.* 8 no. 2:3-5 F '63.

Azarov, A. S. [Modernization and automation of lathes] *Modernizatsiya i avtomatizatsiya tokarnykh stankov*. Moskva, Proftekhizdat, 1962, 144 p. (Novaya tekhnika i peredovye metody truda)

Boltsov, V. V. [Mechanization and automation in small-lot production] *Mekhanizatsiya i avtomatizatsiya v melkoseriynom proizvodstve*. Moskva, Mashgiz, 1962, 435 p.

Chefranov, K. A. [Automation of the drilling process; control parameters] *Avtomatizatsiya protsessov burovanii; parametry regulirovaniya*. Moskva, Gostoptekhizdat, 1962, 88 p.

Conference on over-all mechanization and automation of production processes. I. N. Shchegol'kov. *Bezop. truda v prom.* 7 no. 2:37 F '63.

Demin, E. N. [Mechanization and automation of the compression molding of articles from plastic materials] *Mekhanizatsiya i avtomatizatsiya pressovaniya izdelii iz plastmass*. [Leningrad] Lenizdat, 1962.

Determining the efficiency of the automation of machining with multiple-purpose equipment. V. V. Danilevskii. *Mekh. i avtom. proizv.* 17 no. 1:47-49 Ja '63.

Effect of the automation of coke-oven charging on the technological indices of their performance. I. M. Khanin, D. M. Ametislavskii, M. S. Babkin. *Koks i khitm.* no. 2: 27-28 '63.

Efficiency of measures for the mechanization and automation of production processes in enterprises of the Moscow City Economic Council. B. V. Chavtvanov. *Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:80-82 '63.

Follow the policy of comprehensive mechanization. K. Medvedev, P. Kondakov. *Nar. khoz. Uzb.* 4 no. 12: 67-71 D '62.

For a further improvement of the work on the complete mechanization and automation of production processes in the light industry of the Ukraine. M. M. Ivanov. *Leh. prom.* no. 3:9-4 Ja-Ag '62.

In the State Committee on Automation and Machinery Manufacture of the Council of Ministers of the U. S. S. R. *Mekh. i avtom. proizv.* 17 no. 1:58 Ja '63.

Influence of automation on changes in occupational requirements of the machinery industry. V. Gerasimov. *Prof.-tekh. obr.* 19 no. 12:16-18 D '62.

Investigating conditions of blank setting for machining on automatic lathes. M. A. Kalinin. *Izv. vys. ucheb. zav.; mashinost.* no. 9:60-75 '62.

Kozin, I. U., V. A. S. Minevich, and Kh. Kh. Al'pshuler. [Economic effectiveness of automation in the machine industry] *Ekonomicheskaya effektivnost' avtomatizatsii v gornoi promyshlennosti*. Moskva, Gosgortekhzdat, 1963, 251 p.

Maklan, D. S., and others. [Mechanization and automation of production processes in mining] *Mekhanizatsiya i avtomatizatsiya proizvodstvennykh protsessov na rudnikakh*. Moskva, Gosgortekhzdat, 1962, 320 p.

Mechanization and automation of cold stamping in small-lot production. A. S. Zait'va, G. Kh. Oka, P. A. L'vov. *Mashinostroitel'* no. 1:14-16 Ja '63.

Mechanization and automation of electroplating processes. R. Z. Kadanov. *Mekh. i avtom. proizv.* 17 no. 1: 7-10 Ja '63.

Mechanization and automation of forging and founding operations. *Inform. blud. VDNKH* no. 2:7-9 F '62.

Mechanization and automation of loading and unloading in warehouses. N. I. Lifshits, A. Kh. Fatsunovich. *Mekh. i avtom. proizv.* 17 no. 1:35-39 Ja '63.

Mechanization and automation of production processes in the food industry. A. Zeltsharg. *Prom. Artn.* 5 no. 12:29-31 D '62.

Mechanization and automation of the fabrication of packing systems for rubber mixers. B. I. Molikh. *Kauch. i rez.* 22 no. 2:47-48 F '63.

Mechanization and automation of timber drying in wood-working enterprises in Latvia. A. A. Mihh, A. I. Padchin. *Mekh. i avtom. proizv.* 17 no. 1:26-27 Ja '63.

Models of objects under control and some problems of labor psychology [with summary in English]. V. N. Pushkin. *Vop. psikhol.* no. 6:55-62 N-D '62.

Most important objectives of further mechanization and automation of automatic-lathe shops. N. M. Lyub, V. G. Chirkov. *Mekh. i avtom. proizv.* 17 no. 2:1-4 F '63.

Objectives of the over-all mechanization and automation of trade enterprises. *Mekh. i avtom. proizv.* 17 no. 1: 19-20 Ja '63.

Optimum arrangement of automatic production lines. L. I. Volchekovich. *Izv. vys. ucheb. zav.; mashinost.* no. 9:32-39 '62.

Over-all automation of the breaking-down stand of the 1200 mill. A. N. Popov, A. G. Ponomarenko. *Mekh. i avtom. proizv.* 17 no. 1:3-7 Ja '63.

Over-all mechanization and automation of the composition of charge. V. I. Vrublevskii and others. *Mashinostroenie* no. 6:45-47 N-D '62.

Ovsianikov, K. M. [Principles of the automation of foundry practice] *Osnovy avtomatizatsii litsevo proizvodstva*. Pod red. I. M. Volpianskogo. Moskva, Mashgiz, 1960, 50 p. (Nauchno-popul'naya biblioteka rabochnego-litshchika, no. 30)

Precision in drilling coordinated holes on automatic lathes. V. F. Balcharev. *Izv. vys. ucheb. zav.; mashinost.* no. 9:80-88 '62.

Present status and future development of the mechanization and automation of founding operations in the Ukraine. S. N. Mylko. *Mashinostroenie* no. 6:51-53 N-D '62.

Problems in the automation of cutting-tool exchange during multitool machining. V. N. Vasil'ev. *Izv. vys. ucheb. zav.; mashinost.* no. 9:76-84 '62.

Rachevskii, D. M. [Mechanization and automation of the manufacture of prestressed roof slabs] *Mekhanizatsiya i avtomatizatsiya proizvodstva predvaritel'no napriazhennykh paneli pokrytiy*. Moskva, Gosstroizdat, 1962, 134 p.

Reliability of automatic feed mechanisms for the automation of operating equipment. B. A. Usov. *Izv. vys. ucheb. zav.; mashinost.* no. 9:121-139 '62.

Rodov, A. B. [Automation and human labor] *Avtomatizatsiya i trud cheloveka*. Moskva, Izd-vo "Znanie," 1963, 38 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 2)

Sergeev, M. A. [Mechanization and automation of fitting and assembling operations] *Mekhanizatsiya i avtomatizatsiya stesno-sbornykh rabot*. [Leningrad] Lenizdat, 1962, 331 p.

Smirnov, V. M. [Automation and the fire safety of technological processes] *Avtomatika i pozharnaya bezopasnost' tekhnologicheskikh protsessov*. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962, 190 p.

Synthesis of systems with a rigid structure equivalent to self-tuning systems. M. V. Meerov. *Dokl. AN SSSR* 147 no. 5:1045-1047 D '62.

Technological investigation of automatic production lines. A. G. Koslova. *Izv. vys. ucheb. zav.; mashinost.* no. 9:15-18 '62.

AUTOMATION (Continued)

- Time study and work norms on automatic production lines. M. Korbov, N. Slant'eva. *Sots.trud* 7 no. 8: 64-69 Je '62.
- Tsentral'naya nauchno-tekhnicheskaya biblioteka pishchevoi promyshlennosti.** [Automation and mechanization of production processes in the brewing and soft drinks industry; brief index of literature] Avtomatizatsiya i mekhanizatsiya proizvodstvennykh protsessov v pivovarennoi i bezalkogol'noi promyshlennosti; kratkiy spisok literatury. Moskva, 1962. 47 p. (V pomosh' novatoru)
- Ukrainian conference on overall mechanization and automation of production processes. G. F. Liubenko. *Shakht. stroi.* 7 no. 1:32 Ja '63.
- Urgent objectives in the mechanization and automation of the iron and steel industry. A. A. Logovtsovskii. *Mekh. i avtom. proizv.* 17 no. 2:18-21 F '63.
- Urgent problems in the improvement of the means of automation and remote control. B. N. Pushkarev. *Zhelezn. dor. transp.* 45 no. 2:50-52 F '63.
- Use of electronic computers in automation and operation of thermal electric power plants. E. G. Pronin. *Bliz. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* no. 1:88-91 '63.
- Volotkovskii, S. A., and others.** [Technical means for automation of the mining industry] Tekhnicheskie sredstva avtomatiki v gornoi promyshlennosti. Pod obshchey red. S. A. Volotkovskogo. Moskva, Gosgortekhnizdat, 1962. 331 p.

AUTOMATION—BIBLIOGRAPHY see Bibliography—Automation

AUTOMATION—CONGRESSES

- First International Congress on Chemical Engineering Techniques, Chemical Machinery Manufacture, and Automation. G. P. Solomakhina. *Khim. i tekhn. topl. i masel* 8 no. 1:71-72 Ja '63.

AUTOMATION—STUDY AND TEACHING

- Seminar on the fundamentals of automation. I. Kozlov. *Prof. - tekhn. obr.* 19 no. 11:16 N '62.
- Work of an automation club. B. I. Gusev. *Piz. v shkole* 22 no. 6:69 N-D '62.

AUTOMOBILE DRIVERS

- Training of drivers. A. Bogachkin. *Prof. - tekhn. obr.* 19 no. 11:10-11 N '62.

AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

- Better organization of practical training. A. Dorofeev. *Avi. transp.* 41 no. 2:50 F '63.
- Improve the training of drivers. S. Pevzner. *Avi. transp.* 41 no. 1:50-51 Ja '63.

AUTOMOBILE INDUSTRY

- (see also subdivision under Moscow; Yaroslavl)
- In the State Committee on Automation and Machinery Manufacture attached to the State Planning Committee of the U.S.S.R. *Mekh. i avtom. proizv.* 17 no. 2:58 F '63.

AUTOMOBILE INDUSTRY—PRODUCTION STANDARDS

- see subdivision under Gorky

AUTOMOBILE INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Moscow; Minsk

AUTOMOBILE INDUSTRY WORKERS—EDUCATION AND TRAINING

- In auditoriums and at the machines. M. Bilinskiy. *Prof. - tekhn. obr.* 20 no. 2:28-29 F '63.

AUTOMOBILE MECHANICS

- Students practice a year in enterprises. G. Gorsk. *Avi. transp.* 41 no. 1:52 Ja '63.
- Training of automobile maintenance mechanics. B. E. Gel'burt. *Sikola i proizv.* 7 no. 1:7-11 Ja '63.

AUTOMOBILE PARKING

- The city and the automobile. F. Topunov. *Sov. arkhitekt.* no. 14:81-88 '62.

AUTOMOBILE RACING

- [Difficult routes; sketches of leading motorcycles and automobile drivers] Trudnye trassy; ocherki o masterakh mototsiklenogo i avtomobil'nogo sporta. Moskva, Izd-vo DOSAAF, 1962. 81 p.

AUTOMOBILE STEEL see Steel, Automobile

AUTOMOBILES

- New scientific discoveries and technological innovations. *Ukraine* no. 13:23 Ji '62.

AUTOMOBILES—BODIES

- Proper door fitting on the "Volga" automobile. I. A. Zarnitskiy. *Avi. transp.* 41 no. 2:18-19 F '63.

AUTOMOBILES—DESIGN AND CONSTRUCTION

- New trends in the design of automobiles. A. Sabinin. *Avi. transp.* 41 no. 2:60-62 F '63.

AUTOMOBILES—ELECTRIC EQUIPMENT—TESTING

- Stand for testing automobile electric equipment. A. Golubev. *Mashinostroitel'* no. 1:19 Ja '63.

AUTOMOBILES—ENGINES—VALVES

- Investigating and developing a method of automatic hard facing of automobile exhaust valves. V. K. Kalenskii, P. V. Gladkii, I. I. Pribin. *Avtom. svar.* 16 no. 1:15-22 Ja '63.

AUTOMOBILES—LIGHTING

- Backing lamps. V. Korovkin. *Avi. transp.* 41 no. 2:56 F '63.

AUTOMOBILES—LUBRICATION

- Suggesting a central lubrication system for "Volga" automobiles. K. Kostin. *Avi. transp.* 41 no. 1:20-22 Ja '63.

AUTOMOBILES—MAINTENANCE AND REPAIR

- Device for pressing-out king pins. V. Zinov'ev. *Tekhn. i vol'khoz.* 22 no. 7:86-87 Ji '62.
- Repairing the back axle of the M-21 "Volga" automobile. B. Dekhtiar. *Avi. transp.* 41 no. 1:29-30 '63.

AUTOMOBILES—ROAD GUIDES

- Russia (1923- U.S.S.R.) Glavnoe upravlenie geodezii i kartografi.** [Through five republics by automobile] Po planu respublik na avtomobile. [Moskva 1962] 7 fold. p.

AUTOMOBILES—TESTING

- Steady-state vibration tests of automobiles with air-spring suspension on stands. V. A. Galashin, A. D. Derbavendker. *Avi. prom.* 29 no. 2:21-24 F '63.

AUTOMOBILES—TRANSPORTATION

- Automobile ferry. M. G. Shmakov. *Sudostroenie* 29 no. 2:1-3 F '63.

AUTOMOBILES, RENTAL

- Automobiles with drivers are needed. I. U. Shagal. *Avi. transp.* 41 no. 2:17 F '63.
- The motor vehicle leasing system should be at the Union level. R. Smolinskiy. *Avi. transp.* 41 no. 2:16 F '63.
- New rates for automobile renting. M. Khon. *Avi. transp.* 41 no. 2:17 F '63.
- What is more profitable? E. Pavlenko. *Avi. transp.* 41 no. 2:16-17 F '63.

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTOMOTIVE DRUGS

- Antirhythmic activity of some pharmacological substances [with summary in English]. Z. P. Senova. *Vest. AMN SSR* 18 no. 1:59-64 '63.

- Change in the osmotic resistance of leucocytes and phagocytosis caused by the use of sympathicotropic and parasympathicotropic substances. N. G. Lariyeva. *Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR* 10:225-230 '62.

- Effect of some vasodilative and ganglioblocking agents on the development of collateral vessels in the heart following myocardial infarction in rabbits with arteriosclerosis [with summary in English]. A. A. Miazdrikova. *Vest. AMN SSR* 18 no. 1:21-27 '63.

- Experience in the use of neuroleptic drugs as a therapy in acute alcoholic hallucinations and acute paranoia developed in alcoholics under traveling conditions [with summary in English]. A. S. Rohrov. *Trudy Gos. nauch. - issl. inst. psikh.* 35:328-334 '62.

- Neuroplegia in the operative treatment of gitter patients [with summary in English]. I. G. Turovets. *Vrachi. delo* no. 11:63-67 N '62.

- New class of neuroleptic substances - butyrophene derivatives. G. Ia. Avrutskii. *Trudy Gos. nauch. - issl. inst. psikh.* 35:363-371 '62.

- Use of neuroplegic and ganglioblocking agents in the treatment of craniocerebral injuries [with summary in English]. F. G. Uglov, G. D. Luchko. *Vest. khir.* 89 no. 11:68-69 N '62.

- Using ganglioblocking preparations in surgery on tumors of the cerebellum and the fourth ventricle. E. I. Kandol'. *Probl. sov. neirokhir.* 4:212-222 '62.

AUTORADIOGRAPHY

- Autoradiographic detection by the use of H³-thymidine of the synthesis of deoxyribonucleic acid in the nerve cells of white rats after whole-body X-ray irradiation. N. D. Gracheva. *Radiobiologiya* 3 no. 1:81-87 '63.

AUTOSUGGESTION see Mental suggestion

AUXILIARY POLICE

- Our legal advice. *Rad. pravo* no. 1:54-57 Ja-F '63.

AVALANCHES

- (see also subdivision under Caucasus; Terskol; Aln-Tau)

- Relaxation of snow cover and the causes of the formation of avalanches. K. S. Losev. *Inform. sbor. o reb. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. gadu* no. 9:139-144 '62.

AVARIC LITERATURE—HISTORY AND CRITICISM

- Magomedov, B. M.** [Prerevolutionary Avaric literature] Ocherki avarskoi dorevoliutsionnoi literatury. Makha-chkala, Dagestanskii filial Akademii nauk SSSR, Institut Iazyka, literatury i narodnogo tvorchestva, 1961. 157 p. (MI)

AVRORA (CRUISER)

- Kuleshov, I. M., and B. V. Burkovskii.** [Cruiser "Avrora"] Kreiser "Avrora." [Leningrad] Lenizdat, 1962. 92 p.

AYAGUZ DISTRICT—COOPERATIVE SOCIETIES

- On a new course. S. Sulaimanov. *Koop. Kazakh.* 5 no. 10:19-20 O '62.

AYNOVSKIYE ISLANDS—PUFFINS

- Puffins on the Aynovskiye Islands. N. N. Skokova. *Ornitologiya* no. 5:7-12 '62.

AZEPINONE

- Automatic batching of titanium dioxide suspensions in the process of continuous polymerization of caprolactam. A. X. Grishchenko and others. *Khim. volok.* no. 1:57-60 '63.

- Determination of the content of acetic butylamine in a caprolactam melt. A. A. Temkina, G. V. Novikova. *Khim. volok.* no. 1:74 '63.

- Ring copolymerization. Part I: Copolymerization of σ -piperidone with ϵ -caprolactam [with summary in English]. A. V. Volokhina and others. *Vysokom. soed.* 5 no. 2:206-211 F '63.

AZERBAIJAN—AERONAUTICS, COMMERCIAL

- A million passengers in Azerbaijan. G. Origor'ev. *Grazhd. av.* 19 no. 10:6 O '62.

AZERBAIJAN—ALUMINE

- History of organization of the production of alumina from Zuglik aluminates of Azerbaijan. V. A. Segal. *Trudy Inst. ist. est. i tekhn.* 39:248-257 '62.

AZERBAIJAN—ANTIQUITIES

- "Historical, chemical and analytic investigations of ancient copper-alloy objects" by I. R. Selimkhanov. Reviewed by A. I. Busev. *Sov. arkhool.* 7 no. 1:321-322 '63.

AZERBAIJAN—ARCHAEOLOGY—METHODOLOGY

- Dating and chronological stages of some Azerbaijani monuments of the late Bronze Age and early Iron Age. I. V. Minkevich-Mustafayeva. *Mat. kult. Azerb.* 4:109-139 '62.

AZERBAIJAN—BORING

- Drilling a test hole 10,000 m deep in Azerbaijan. A. A. Ali-zade, G. A. Akhmedov. *Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefi* no. 4:3-15 '62.

AZERBAIJAN—BRONZES, ANCIENT

- Bronze bolts found in Azerbaijan [in Azerbaijani with summary in Russian]. Dzh. A. Khalilov. *Mat. kult. Azerb.* 4:68-106 '62.

AZERBAIJAN—BUFFALOES

- A zootechnician at the head of a collective farm. V. I. Orlov. *Zhivotnovodstvo* 23 no. 6:14-17 Je '61.

AZERBAIJAN—CANNING INDUSTRY

- Widening the assortment of the production. S. S. Ataian. *Kons. i ov. prom.* 18 no. 2:18-19 F '63.

AZERBAIJAN—COTTON

- Effect of the conditions of development on the yield of raw cotton and the technological quality of fiber. K. N. Alaskerov. *Trudy Inst. gen. i sel. AN Azerb. SSR* 2:76-89 '62.

AZERBAIJAN—DESCRIPTION AND TRAVEL

- Sea gulls over derriks. Elgiz Stavskii. *Vokrug sveta* no. 11:13-16 N '62.

AZERBAIJAN—GAS, NATURAL—GEOLOGY

- Prospective Mesozoic, Paleogene, and Miocene structures of Azerbaijan as important potentialities in the development of prospecting. A. D. Sultanov, K. A. Ismailov, S. G. Sataev. *Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefi* no. 4:69-78 '62.

AZERBAIJAN—HEALTH RESORTS, WATERING PLACES, ETC.

- Health resort management institutes should be under the supervision of trade unions. M. Guseinov. *Okhr. truda i sots. strakh.* 5 no. 12:18 D '62.

AZERBAIJAN—HISTORICAL MUSEUMS

- Work of the Historical Museum of Azerbaijan [parallel texts in Azerbaijani and Russian]. *Trudy Muzeia ist. Azerb.* 5:206-219 '62.

AZERBAIJAN—HISTORY

- Baku. Institut istorii partii.** [Pravda and Azerbaijan] *Pravda i Azorbaidzhinn. Baku, Azorbaidzhanskoe gos. izd-vo*, 1962. 360 p. (MI)

AZERBAIJAN—LUBRICATION

- Using the hydrogenation method oil from Balakhan heavy petroleum. R. Sh. Kuliev. *Khoz.* 41 no. 11:32-34 N

AZERBAIJAN—MULBERRY—VARIETIES

Investigation of the growth development and nutritive qualities of the leaf of the improved "Zarifut" mulberry variety. I. K. Abdullaev. Trudy Inst. gen. i sel. AN Azerb. SSR 2:90-121 '62.

AZERBAIJAN—MUSEUMS

Problems facing the personnel of Azerbaijan museums [parallel texts in Russian and Azerbaijani]. M. A. Kaziev. Trudy Muzeia Ist. Azerb. 5:5-16 '62.

AZERBAIJAN—NIGHTSHADE

Results of experiments in introducing the nightshade *Solanum aviculare* in Azerbaijan [in Azerbaijani with summary in English]. M. A. Ragimov. Trudy Inst. bot. AN Azerb. SSR 23:106-122 '62.

AZERBAIJAN—NOMADS

The economy of nomadic tribes in 19th century Azerbaijan and its role in the agrarian policy and colonial rule of the prerevolutionary Russian Government. D. Ismailzade. Trudy Muzeia Ist. Azerb. 5:99-140 '62.

AZERBAIJAN—OIL FIELDS—PRODUCTION METHODS

Automation of oil production using compressors. I. Sh. Kuliev. Bezop. truda v prom. 6 no. 11:25-26 N '62.

AZERBAIJAN—OIL SANDS—PERMEABILITY

Relative permeability of rocks containing clay particles. A. A. Abdullaeva, N. D. Tairov. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefli no. 4:105-111 '62.

AZERBAIJAN—OIL WELL DRILLING RIGS

Our practice in constructing oil well drilling rigs for extra-deep wells. V. V. Ganichkin. Bezop. truda v prom. 7 no. 1:31-32 Ja '63.

AZERBAIJAN—OIL WELL LOGGING, ELECTRIC

Charts for calculating the effect of the well and the permeability zone on the results of measurements in inductive logging. S. M. Aksel'rod, N. M. Orbellian, E. A. Sarkisova. Azerb. nefi. khoz. 41 no. 7:12-14 Ji '62.

AZERBAIJAN—OIL WELL PUMPS

Present-day petroleum production equipment for Azerbaijan pumping wells and prospects for its further improvement. S. A. Vezirov and others. Azerb. nefi. khoz. 41 no. 7:25-26 Ji '62.

AZERBAIJAN—OIL WELLS—HYDRAULIC FRACTURING

Using acids for hydraulic fracturing of strata in Azerbaijan. Sh. M. Kochariants. Azerb. nefi. khoz. 41 no. 5:27-29 My '62.

AZERBAIJAN—ORE DEPOSITS

[Metallogeny of Azerbaijan] Metallogeniia Azerbaidzhana. [By] R. N. Abdullaev i dr. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 115 p.

AZERBAIJAN—PASTURES AND MEADOWS

Improving alpine hayfields and pastures in the Lesser Caucasus within the Azerbaijan S. S. R. G. K. Kuliev. Zhivotnovodstvo 23 no. 7:56-57 Ji '61.

AZERBAIJAN—PETROLEUM GEOLOGY

Abdullaev, R. A., and Kh. D. Dzhaferov. [Geological and geophysical characteristics of the Azerbaijan portion of the Caspian oil-bearing region] Geologo-geofizicheskaia kharakteristika Prilaspiskogo neftenosnogo raiona Azerbaidzhana. Baku, Azerbaidzhanskoe Izd-vo, 1962. 164 p.

Geological structure and oil potential of the Karabagly area, based on drilling data. G. A. Polaudin, R. A. Gasanov. Azerb. nefi. khoz. 41 no. 7:1-5 Ji '62.

Prospective Mesozoic, Paleogene, and Miocene structures of Azerbaijan as important potentialities in the development of prospecting. A. D. Sultanov, K. A. Ismailov, S. G. Salaev. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefli no. 4:69-78 '62.

AZERBAIJAN—PETROLEUM INDUSTRY

Make a greater effort to solve new and important problems. Azerb. nefi. khoz. 41 no. 11:1-3 N '62.

AZERBAIJAN—PLANT INTRODUCTION

Results of experiments in introducing the nightshade *Solanum aviculare* in Azerbaijan [in Azerbaijani with summary in English]. M. A. Ragimov. Trudy Inst. bot. AN Azerb. SSR 23:106-122 '62.

AZERBAIJAN—PROSPECTING

Prospective Mesozoic, Paleogene, and Miocene structures of Azerbaijan as important potentialities in the development of prospecting. A. D. Sultanov, K. A. Ismailov, S. G. Salaev. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefli no. 4:69-78 '62.

Abdullaev, R. A., and Kh. D. Dzhaferov. [Geological and geophysical characteristics of the Azerbaijan portion of the Caspian oil-bearing region] Geologo-geofizicheskaia kharakteristika Prilaspiskogo neftenosnogo raiona Azerbaidzhana. Baku, Azerbaidzhanskoe Izd-vo, 1962. 164 p.

AZERBAIJAN—SALINE AND ALKALI SOILS

Salt differentiation in alluvial fans [with summary in English]. V. R. Volobuev, G. A. Bulanovskii. Pochvovedenie no. 1:53-60 Ja '63.

AZERBAIJAN—SCHOOLS, MOHAMMEDAN

Mohammedan schools in Azerbaijan in the late 1840's and the 1850's. N. A. Tair-zade. Trudy Muzeia Ist. Azerb. 5:141-162 '62.

AZERBAIJAN—SEMPULCHRAL MONUMENTS

Archaeological and historical monuments of the Kazakh and Akstafa Districts [in Azerbaijani with summary in Russian]. S. M. Kaziev. Mat. kul't. Azerb. 4:140-170 '62.

AZERBAIJAN—SERVICE INDUSTRIES

Important measures. Mest, prom. i khud. promys. 4 no. 2:9 F '63.

AZERBAIJAN—SMUTS

Damage caused by covered smut to wheat in mountainous districts. Kh. A. Ismailov. Trudy Inst. gen. i sel. AN Azerb. SSR 2:28-33 '62.

AZERBAIJAN—STANDARDS, MILITARY

Military standards of the Azerbaijan regiments which participated in the Russo-Turkish War of 1828-1829 [in Azerbaijani with summary in Russian]. F. I. Suleimanov. Trudy Muzeia Ist. Azerb. 5:86-98 '62.

AZERBAIJAN—TRANSPORTATION

The means of transportation in ancient Azerbaijan [in Azerbaijani with summary in Russian]. Sh. G. Sadykh-zade. Trudy Muzeia Ist. Azerb. 5:19-30 '62.

AZERBAIJAN—WHEAT—DISEASES AND PESTS

Damage caused by covered smut to wheat in mountainous districts. Kh. A. Ismailov. Trudy Inst. gen. i sel. AN Azerb. SSR 2:28-33 '62.

AZOLYAT

Effect of active additives on the surface-active properties of azolyat-B. M. A. Ashimov and others. Azerb. nefi. khoz. 41 no. 5:35-38 My '62.

AZOMETHANE

Photoreaction of hexafluoroazomethane with unsaturated compounds. V. A. Ginsburg and others. Dokl. AN SSSR 140 no. 1:97-99 Mr '63.

AZOTOBACTER see subdivision under Moldavia

AZYGOS VEIN—ABNORMALITIES AND DEFORMITIES

X-ray diagnosis of anomaly of vena azygos. R. L. Tomasian. Vop. rent. i onk. 6:167-169 '61.

BCG VACCINATION

(see also subdivision under Tomsk)

Special form of suppurative inflammation of the middle ear caused by BCG vaccine in nursing infants [with summary in English]. I. A. Lifshits. Zhur. uzh., nos. i gorl. bol. 22 no. 4:61-64 Ji-Ag '62.

BABEUF, FRANÇOIS NOEL, 1760-1797

Soviet studies on Voltzire and Babeuf have been published in German in the German Democratic Republic. A. V. Gordon. Nov. i noveish. ist. no. 6:183-184 '62.

BABUSHKIN, IVAN VASIL'EVICH, 1913-1966

Glory of the party of Lenin on the 90th anniversary of I. V. Babushkin's birth. I. U. E. Maizhev. Vop. ist. KPSS 7 no. 1:93-95 Ja '63.

BACILLUS ANTHRACIS

Isolation of the anthrax bacteriophage and its use for the differential diagnosis of Bac. anthracis. A. I. A. Meshcheriakov. Trudy VIEV 26:46-55 '62.

BACKWARD AREAS see Underdeveloped areas

BACTERIA—MOTILITY

Using ultramicroscopy for studying the mobility of *Streptococcus erysipelatus* and *Listeria*. A. Kirina. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:217 '62.

BACTERIA, CELLULOSE-DECOMPOSING

Development of cellulose bacteria and fungi in the rhizosphere of various plants in carbonate-rich and typical Chernozem soils of Moldavia. I. S. Zakharov. Izv. AN Mold. SSR no. 7:55-68 '62.

BACTERIA, EFFECT OF DRUGS ON

Cytochemistry of drug-resistant strains of *Mycobacterium tuberculosis* [in Georgian with summary in Russian]. T. V. Zakariadze. Trudy Tbil. GIDUV 6:333-337 '62.

Effect of royal jelly on microbes. L. V. Alekssandrova. Inform. biol. o mat. moloch. no. 3:34-37 '62.

Study of the antimicrobial properties of tofranil; an experimental investigation [with summary in English]. V. V. Kvirkadze, R. D. Kogen. Trudy Gos. nauch. -issl. inst. psikh. 35:240-248 '62.

BACTERIA, PATHOGENIC

Catalase reaction in some pathogenic bacteria as related to their virulence. G. Mikheeva, M. Aliev. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:213-214 '62.

BACTERICIDES

Bactericidal effect of nitrogen dioxide on the saprophytic and pathogenic microflora. A. A. Poliskov and others. Trudy Uz. nauch. -issl. inst. vet. 14:85-89 '61.

BACTERIOLOGY

Microbial cells of the coccid subgroup in the light of electron microscopic investigations. N. N. Isanmov. Trudy Uz. nauch. -issl. inst. vet. 14:69-72 '61.

BACTERIOLOGY—CULTURES AND CULTURE MEDIA

Attempts at cultivating the epidemic hepatitis virus on new experimental models. N. S. Kilachko. Trudy Len. inst. epid. i mikrobiol. 17:127-132 '58.

BACTERIOLOGY—TECHNIQUE

Modification of the color of bacteria according to Gram. S. Kokhanova. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:209-210 '62.

BACTERIOLOGY, AGRICULTURAL see Agricultural microbiology

BACTERIOLOGY, MEDICAL

Bacteriology in endocarditis [in Georgian with summary in Russian]. N. M. Kilosandze. Trudy Tbil. GIDUV 6:363-368 '62.

BACTERIOPHAGE

Differentiation of the Kruse-Sonne dysenteric bacteria by the use of bacteriophage. Report No. 3. N. A. Akhmedov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:163-167 '62.

Electron microscopic investigations of the morphology of anaerobic bacteriophages. K. I. A. Bychkov. Trudy VIEV 26:56-61 '62.

Identification of Schmitz-Stutzer's and Flexner's dysenteric bacteria by the use of bacteriophage. Report no. 2. N. A. Akhmedov, T. E. Kluchareva. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:150-162 '62.

Isolation of the anthrax bacteriophage and its use for the differential diagnosis of Bac. anthracis. A. I. A. Meshcheriakov. Trudy VIEV 26:46-55 '62.

Specific phages in the diagnosis of bacterial dysentery. Report no. 1. N. A. Akhmedov and others. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:151-157 '62.

Study of the variability of typhoid fever bacteriophage [with summary in English]. K. N. Kondrat'ev. Trudy TomNIIVS 11:114-117 '60.

BADAIEV, ALEKSEI EGOROVICH, 1883-1951

Pochbut, G. A., and B. G. Malkin. [A. E. Badaev, deputy of St. Petersburg workers] A. E. Badaev, deputat piterskiikh rabochikh. [Leningrad] Leningrad, 1962. 160 p.

BADGES OF HONOR see Decorations of honor

BAGRATON, PETR IVANOVICH, 1705-1812

Unknown documents of P. I. Bagration. Submitted by R. E. Al'tshuler. Vop. arkh. 7 no. 3:166-168 Ji-Ag '62.

BAIASA INDONESIA see Indonesian language

BAHREIN—HISTORY

Bodianskii, V. L. [Bahrein; on the history of the countries of the Gulf of Persia] Bakhrein; k istorii stran Persidskogo zaliva. Moskva, Izd-vo vostochnoi lit-ry, 1962. 167 p.

BAIKAL, LAKE—OLIGOCENE

Origin of Lumbriulidae in Lake Baikal. V. V. Izrael'son. Uch. zap. Kaz. un. 120 no. 6:90-111 '60.

BAIKAL LAKE REGION—ALGAE, FOSSIL

Vologdin, A. G. [Archaeocysta and algae from the Cambrian of the Baikal Upland] Arkheotsisty i vodorosli kembriia Baikal'skogo nagor'ia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 115 p. 21 plates. (Akademiia nauk SSSR, Paleontologicheskii institut. Trudy, vol. 93)

BAIKAL LAKE REGION—ARCHAEOCYATHIDAE

Vologdin, A. G. [Archaeocysta and algae from the Cambrian of the Baikal Upland] Arkheotsisty i vodorosli kembriia Baikal'skogo nagor'ia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 115 p. 21 plates. (Akademiia nauk SSSR, Paleontologicheskii institut. Trudy, vol. 93)

BAIKAL LAKE REGION—BIRDS

Ornithological observations in the northern Lake Baikal region. O. K. Gusev. Ornithologia no. 3:140-160 '62.

BAIKAL LAKE REGION—MOLLUSKS, FOSSIL

Bivalve mollusks of the marine families of Solenidae, Mactridae, Cardidae, and Alodidae in Cenozoic deposits of the Baikal Lake Region. S. M. Popova, V. V. Samsonov, G. G. Martinson. Dokl. AN SSSR 140 no. 11:162-166 Mr '63.

BAIKAL LAKE REGION—PERCH

Fecundity of perch (*Perca fluviatilis* L.) in the coastal shore area of Lake Baikal. B. K. Evlakhova-Beketina. Vop. ikht. 2 no. 4:646-663 '62.

BAIKAL LAKE REGION—SYENITE

Absolute age of alkaline and nepheline syenites of the North Baikal Elevation. A. I. A. Zhidkov, S. I. Mirkina, M. N. Golubchina. Dokl. AN SSSR 140 no. 1:152-155 Mr '63.

BAKED PRODUCTS

Baking of bakery products in round shaped molds. P. I. A. Mezur. Khleb. i kond. prom. 7 no. 1:30-32 Ja '63.
Seminar on the exchange of experiences in the production of cracknels and crackers. N. A. Il'inski. Khleb. i kond. prom. 7 no. 1:48 Ja '63.

BAKERS AND BAKERIES

(see also subdivision under Archangel Province; Kazakhstan)
In the enterprises of the food industry. M. Chechovskii, V. Kul'nev, Mest. prom. i khud. promys. 4 no. 2:26 F '63.
Self-service bakery. L. Samsonov. Sov. torg. 36 no. 10: 48-50 O '62.
Work of the bureau of economic analysis staffed with volunteers. F. Batalov, N. Shipaev, Z. Pautova. Khleb. i kond. prom. 7 no. 1:21 Ja '63.

BAKERS AND BAKERIES—BIBLIOGRAPHY see Bibliography—Bakers and bakeries

BAKERS AND BAKERIES—EQUIPMENT AND SUPPLIES
Cart for unloading bread. I. Kofman. Sov. torg. 35 no. 3:63 S '62.

BAKERS AND BAKERIES—PRODUCTION STANDARDS
Pay greater attention to the setting of technical norms. I. F. Petrov. Khleb. i kond. prom. 7 no. 1:23 - 24 Ja '63.

BAKIANAS DISTRICT—FUR FARMING
Silver foxes are our charges. IU. Parshin, G. Dzhamataev. Koop. Kazakh. 5 no. 4:30-32 Ap '62.

BAKMETEV, PAVEL ALEKSANDROVICH

I follow the tracks. N. Eidel'man. Znan. sila 37 no. 12:28-31 D '62.

BAKING

Proving of shaped dough for pretzels. V. F. Mal'ko. Khleb. i kond. prom. 7 no. 1:32 Ja '63.
Use of water-oil emulsions in the Tiraspol Bakery Combine. M. N. Demin and others. Khleb. i kond. prom. 7 no. 1:29-30 Ja '63.

BAKSAN RIVER—ICE ON RIVERS, LAKES, ETC.—OPTICAL PROPERTIES

Selective and integral absorption of solar radiation by the ice on the Baksan River. K. S. Ljubimova. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 9:156-166 '62.

BAKSAN RIVER—SOLAR RADIATION

Selective and integral absorption of solar radiation by the ice on the Baksan River. K. S. Ljubimova. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 9:156-166 '62.

BAKU—COMMUNITY CENTERS

Let's help production. Kh. Efendieva. Klub 11 no. 6: 6-7 Ja '62.

BAKU—HISTORICAL MUSEUMS

Baku. Muzoi istorii Azerbaidzhana. [Brief guidebook to the Museum of the History of Azerbaijan] Kratki putovoditel'. Pod red. M. A. Kazieva. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1959. 36 p. illus. [Parallel texts in Azerbaijani and Russian]

BAKU—HISTORY—SOURCES

A valuable document on the history of Baku [in Azerbaijani with summary in Russian]. A. N. Guseinov. Trudy Muzeia ist. Azerb. 5:68-73 '62.

BAKU—INDUSTRIAL MANAGEMENT

Darydov, I. M., and G. M. Manafov. [For the perfect organization of production] Za vysokuiu kul'turu proizvodstva. Baku, Azerneshr, 1962. 76 p.

BAKU—LABOR AND LABORING CLASSES

Guliev, A. N. [The Baku proletariat during the new stage of revolutionary activity] Bakinski proletariats v gody novogo revoliutsionnogo pod'ema. Baku, Azerneshr, 1963. 297 p.

BAKU—PUMPING MACHINERY

For the tillers of Soviet fields. V. Pertsov. Agitator no. 13:60 Ji '62.

BAKU—STRIKES AND LOCKOUTS

Guliev, A. N. [The Baku proletariat during the new stage of revolutionary activity] Bakinski proletariats v gody novogo revoliutsionnogo pod'ema. Baku, Azerneshr, 1963. 297 p.

BALAKHNA—WOODPULP INDUSTRY

Give unrelenting attention to the reorganization of the Balakhna Combine. I. A. Patskin. Bum. prom. 38 no. 1:3-4 Ja '63.

BALANCING OF MACHINERY

Balancing of flat linkage mechanisms. V. A. Kamenskii. Trudy MIIT no. 150:29-48 '62.

The "M-59" balancing machine designed by the Moscow Institute of Railroad Engineering for the balancing of car wheel pairs. V. A. Shchepetil'nikov. Trudy MIIT no. 150:5-28 '62.

BALANCE OF PAYMENTS see subdivision under Argentina; European Economic Community Countries

BALI—FOLK DANCING

"Barong." Az. i Afr. sog. no. 2:48-49 F '63.

BALKAN PENINSULA—LABOR AND LABORING CLASSES

G. M. Dimitrov's articles and speeches in defense of the labor movement in the Balkan Peninsula, 1928. V. M. Endakova, E. V. Golubeva. Vop. ist. KPSS 7 no. 1:90-92 Ja '63.

BALL BEARINGS

Olks, G. N., and others. [New technology of the manufacture of ball-bearing steel] Novaya tekhnologiya vyplatki sharikopodshipnikovoi stali. Moskva, Metallurgizdat, 1962. 124 p.

BALLADS

Ballads in Russian and Western folklorism. D. M. Balashov. Trudy Kar. fil. AN SSSR no. 35:62-70 '62.

Determination of the genre of the folk ballads in A. S. Pushkin's works. E. A. Tudorovskaya. Rus. fol'k. 7:67-83 '62.

Vasilii and Sofia; a ballad about the death of lovers. D. M. Balashov. Trudy Kar. fil. AN SSSR no. 35: 92-106 '62.

BALLADS, KARELIAN

Karelian ballads on the death of lovers. V. I. A. Evseev. Trudy Kar. fil. AN SSSR no. 35:80-91 '62.

BALLET

In a language understandable to all. Sov. Soluz no. 9: 28-29 '62.

BALLETOCARDIOGRAPHY

Ballistographic changes in patients treated with corcheroside. M. G. Belostochina. Vrach. delo no. 1:129-131 Ja '63.

Change in the ballistocardiogram in Botkin's disease. V. I. Plotnikov. Shor. rab. Sverd. med. inst. no. 32: 91-94 '61.

Characteristics of the ballistocardiogram in aortic coarctations [with summary in English]. E. L. Macheret. Vrach. delo no. 1:62-65 Ja '63.

BALTA DISTRICT—ARCHIVES

My two-year work in the archives of a district. S. P. Khomin. Vop. arkh. 7 no. 3:74-75 Ji-S '62.

BALTIC REGION—HAY—DRYING

The PSHD-500 attachment for mechanized drying of hay on racks. V. G. Volter. Zhivoivotstvo 23 no. 8:77-78 Ja '61.

BALTIC SEA—PLATFISHES

Occurrence of a hybrid of the sea flatfish Platessa platessa (L.) and the river flatfish Pleuronectes flesus L. in the eastern part of the Baltic Sea. M. I. Shatunovskii. Vop. ikht. 3 no. 1:184-186 '63.

BALTIC SEA REGION—COMMERCE—NOVGOROD (DUCHY)

Khoroshkevich, A. L. [Great Novgorod's trade with the Baltic region and Western Europe in the 14th and 15th centuries] Torgovlia Velikogo Novgoroda s Pribaltikoi i Zapadnoi Evropoi v XIV-XV vekakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 363 p.

BALTIC STATES—LULLABIES

Lullabies of the Karelian and other Balto-Finnish nations. V. I. A. Evseev. Trudy Kar. fil. AN SSSR no. 35:37-61 '62.

BALTIC STATES—MANUFACTURES

Specialization and cooperation of enterprises. K. Nevstruev. Sov. torg. 36 no. 10:5-6 O '62.

DANACH SPACES

Functions in categories of Danach spaces. A. S. Shvarts. Dokl. AN SSSR 149 no. 1:44-47 Mr '63.
Scales of Orlicz spaces and interpolation theorems. I. B. Rutitskii. Dokl. AN SSSR 149 no. 1:32-35 Mr '63.
Topology in Danach spaces. A. L. Garkavi. Usp. mat. nauk 18 no. 1:151-154 Ja-F '63.

BAND SAWS

Deformations and strains occurring in a band saw during operation. E. D. Dobrynin. Izv. vyz. ucheb. zav. i les. zhur. 5 no. 5:123-127 '62.

BANDAGES AND BANDAGING

Rubber bandage for the breast. I. V. Zaituhovskii. Klin. khir. no. 12:70 D '62.

BANDERA, STEPAN, 1899-1959

Mirchuk, Petro. [Stepan Bandera; a symbol of revolutionary uncompromisingness] Stepan Bandera; symbol revoliutsionnoi bezkompromisnosti. New York, Organizatsiia oborony chotyrokha svobod Ukrainy, Liga vyzvolennia Ukrainy, 1961. 159 p. (in U)

BANKING LAW

Answering our readers' questions. Sov. iust. no. 3:30 F '63.

BANKS AND BANKING

(see also subdivision under Chechen-Ingush A.S.S.R.; Egypt; Leningrad; Moldavia)

Bank services to tourists. IU. Danilov. Den. i kred. 21 no. 1:40-44 Ja '63.

Brief information on foreign exchange and banks abroad. Den. i kred. 21 no. 1:84-89 Ja '63.

Brief information on foreign exchange and banks abroad. Den. i kred. 21 no. 2:90-93 F '63.

Charter of the Foreign Trade Bank of the U.S.S.R. Fin. SSSR 37 no. 2:61-85 F '63.

The communist labor movement. V. Lopakein and others. Den. i kred. 21 no. 2:51-58 F '63.
Every enterprise should use wage funds correctly. V. Vorob'ev. Sots. trud 8 no. 1:95-102 Ja '63.

Improve the work standards of State Bank departments on currency circulation. V. Vorob'ev. Den. i kred. 21 no. 2:13-15 F '63.

In the Board of Directors of the State Bank of the U.S.S.R. Den. i kred. 21 no. 1:80-81 Ja '63.

In the Board of Directors of the State Bank of the U.S.S.R. Den. i kred. 21 no. 2:94-95 F '63.

In the Construction Bank of the U.S.S.R. Fin. SSSR 37 no. 1:94-95 Ja '63.

Information communiqué. Den. i kred. 21 no. 1:45 Ja '63.

Place the modernization of equipment under State Bank control. V. Ivankevich. Den. i kred. 21 no. 2:30-33 F '63.

Statute of the Foreign Trade Bank of the U.S.S.R. Den. i kred. 21 no. 1:45-54 Ja '63.

Tasks of the State Bank in the light of the decisions of the November Plenum of the Central Committee of the CPSU. A. Korovushkin. Den. i kred. 21 no. 1:13-14 Ja '63.

Use funds designated for production improvement more efficiently. V. Mamonov. Den. i kred. 21 no. 1:34-39 Ja '63.

Ways to eliminate the surplus stocks of material and equipment. M. Pospel'. Den. i kred. 21 no. 1:15-24 Ja '63.

We are discussing the problems of control over wage fund disbursement. K. Arashanov, V. Turkovskii, I. Kharitonov. Den. i kred. 21 no. 2:34-50 F '63.

BANKS AND BANKING—ACCOUNTING

Accounting organization with the use of accounting machines. O. Zamaishkina and others. Den. i kred. 21 no. 2:66-76 F '63.

Tilov, K. M. [Accounting for clearing and credit operations of enterprises] Uchet raschetnykh i kreditnykh operatsii predpriatii. Moskva, Gosfinizdat, 1962. 89 p. (Biblioteka bukhgallera)

BANKS AND BANKING—CONGRESSES

General meeting of the shareholders of the Foreign Trade Bank of the U.S.S.R. Fin. SSSR 37 no. 2:90 F '63.

BANTU LITERATURE see subdivision under South Africa, Republic of

BANTUS

International Congress of Orientalists, 23d, Cambridge, Eng., 1954. Delegation from the U.S.S.R. [Papers presented by the Soviet Delegation at the XXIII International Congress of Orientalists; Africa] Doklady Sovetskoi Delegatsii na XXIII Mezhdunarodnom kongresse vostokovedov; sokhtia Afriki. Moskva, Izd-vo Akad. nauk SSSR, 1954. 32 p. [In Russian and English]

BAPTISTS see subdivision under Brest Province;

Kargasak; Lvov; Tarasheva District

BAR ASSOCIATIONS see subdivision under Ukraine

BARABA STEPPE—SOILS—ANALYSIS

Toxicity of various concentrations of soil solutions in the Baraba Lowland [with summary in English]. P. I. Shavrygin. Pochvovedenie no. 1:85-91 Ja '63.

BARABINSK DISTRICT—FARM MANAGEMENT

There is a need for a general index of the use of land. E. Korol'. Ekon. sol'khoz. 34 no. 2:97-98 F '63.

BARAKHOV, ISIDOR NIKIFOROVICH, 1898-1938

Petrov, V. S. [Glorious career of a Bolshevik; the life and works of I. N. Barakhov] Slavnyi put' bol'shevik; o zhizni i delatelnosti I. N. Barakhova. Iakutsk, Iakutskoe knizhnoe izd-vo, 1961. 74 p. (MII)

BARANCHIK—HOLY WELLS

Who is stirring up clear water? N. / Nauka i rel. 4 no. 1:30-31 Ja '63.

BARBEL (FISH) see subdivision under

- BARBITURATES**
Colorimetric determination of barbiturates by the intensity of violuric acid staining, veronal example. V. I. Lobanov. Sud.-med. ekspert. 6 no. 1:39-44 Ja-Mr '63.
- BARENTS SEA—CODFISH**
Materials on the food of the Barents Sea cod *Gadus morhua morhua* L. under experimental conditions. M. I. Tarverdieva. Vop. ikht. 2 no. 4:703-716 '62.
- BARGUZIN REGION—DAIRYING**
Dairying among the Buryats in the Barguzin region. D. TS. Urutbaev. Etn. shor. no. 2:137-140 '61.
- BARIUM—ANALYSES**
Complexometric determination of barium in additives to lubricating oils. D. V. Faerman, D. S. Chigrin. Khim. i tekhnol. i masel 8 no. 1:84-85 Ja '63.
- BARIUM FERRATES—MAGNETIC PROPERTIES**
Effect of texture on the magnetic properties of mixed barium and strontium ferrites. E. S. Borovik, M. G. Iakovleva. Fiz. met. i metalloved. 14 no. 6:927-930 D '62.
- BARIUM OXIDE**
Reduction of barium and strontium oxides by aluminum. G. N. Kozhevnikov. TSvet. met. 36 no. 2:53-56 F '63.
- BARK**
Some physical and mechanical characteristics of the bark of main tree species. M. N. Simonov. Izv. vys. ucheb. zav. i les. zhur. 5 no. 5:133-139 '62.
- BARLEY**
Some physiological and biochemical characteristics of the development of wheat and barley varieties as related to the reaction of soils [with summary in English]. M. F. Kornilov, Z. V. Trunina. Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:223-236 '60.
- BARLEY—VARIETIES** see subdivision under Karabakh Steppe
- BARNAUL—RENTING OF EQUIPMENT, ETC.**
The boomerang. Sov. profsoiuzy 19 no. 5:26-27 Mr '63.
- BARN**
Economical floors in livestock buildings. N. Arbuzov. Sel. stroit. 15 no. 3:19-20 Mr '60.
- BAROMETER**
Dynamic instrument errors on barometric devices and the possibilities of calculating them. K. P. Bychkovskii. Geod. i kart. no. 1:36-41 Ja '63.
- BARSUKI REGION—LIMESTONE**
Complete utilization of raw materials in the Barsuki Mining Administration. V. V. Gridchin. Gor. zhur. no. 2:70 F '63.
- BASALT** see subdivision under Chulym-Yenisey Lowland
- BASE-EXCHANGE** see Ion exchange
- BASE-EXCHANGING COMPOUNDS**
Application of weak acid cation exchangers for the removal of zinc from waste waters of viscose fiber plants. V. M. Barbol, L. F. Chuprina, A. V. Iudin. Khim. volok. no. 1:50-53 '63.
- BASEMENTS**
Waterproofing basements. T. Danilova, V. Iakovleva, M. Polotovskii. Zhil.-kom. khoz. 12 no. 8:29 Ag '62.
- BASHKIRIA—AFFORESTATION**
Comparative advantages of plantations established by seeding and planting using various methods of soil preparation in Bashkiria. I. I. Levitskii. Izv. vys. ucheb. zav. i les. zhur. 5 no. 5:43-45 '62.
- BASHKIRIA—GEOLOGY, STRUCTURAL**
Tectonics of Pre-Devonian formations in the Birk antefline. IU. B. Fain, IU. N. Kukhareno. Geol. nefi i gaza 7 no. 2:21-26 F '63.
- BASHKIRIA—INSURANCE, SOCIAL**
In the Presidium of the All-Union Central Council of Trade Unions. Okhr. truda i sots. strakh. 5 no. 12: 41 D '62.
- BASHKIRIA—PALEONTOLOGY, STRATIGRAPHIC**
[Brachiopoda, Ostracoda, and spores of the Middle and Upper Devonian in Bashkiria] Brachiopody, ostrakody i spory srednego i verkhnego devona Bashkiri. [By] A. P. Tiazheva i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 477 p.
- BASHKIRIA—POLITICS AND GOVERNMENT**
Bashkir. A. S. S. R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Bashkir A. S. S. R., second session, July 8, 1959; verbatim report] Zasedaniya Verkhovnogo Soveta Bashkirskoi ASSR platogo sozyva, vtorola sessiya, (8 iulia 1959 goda). Stenograficheskii otchet. Ufa, Bashkirskoe knizhnoe izd-vo, 1959. 127 p.
- BASHKIRIA—STUDENT TEACHING**
Students work as teachers. Sh. Kh. Chanbarisov. Vest. vys. shkoly 21 no. 1:46-50 Ja '63.
- BASHKIRIA—TRADE UNIONS**
In the Presidium of the All-Union Central Council of Trade Unions. Okhr. truda i sots. strakh. 5 no. 12: 41 D '62.
- BATALIN, ALEKSANDR FEDOROVICH, 1847-1896**
Manoilenko, K. V. [A. F. Batalin, the outstanding Russian botanist of the 19th century] A. F. Batalin, vydalushchilsia russkii botanik XIX veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 130 p. (Nauchno-biograficheskaya seriya)
- BATAREYKA—ANTIQUITIES**
Stronghold at the ancient site near the Batareyka No. 1 village. N. I. Sokol'skii. Sov. arkhcol. 7 no. 1:179-191 '63.
- BATAREYKA—FORTIFICATION, PRIMITIVE**
Stronghold at the ancient site near the Batareyka No. 1 village. N. I. Sokol'skii. Sov. arkhcol. 7 no. 1:179-191 '63.
- BATHOMETER**
Operation of a large-capacity bathometer. A. S. Dentsov. Probl. Arkt. i Antark. no. 10:92-93 '62.
- BATHROOMS** see subdivision under Czechoslovakia
- BATHS, PUBLIC**
(see also subdivision under Moscow)
When you're smart. N. Tinkov. Zhil.-kom. khoz. 12 no. 8:31 Ag '62.
- BATS**
(see also subdivision under White Russia)
State of the study of the migration of bats in the U. S. S. R.; based on the data of banding. V. S. Pokrovskii, IU. M. Shchadlov. Migr. zhiv. no. 3:10-20 '62.
- BATUM—ELM**
Interesting specimen of the American elm. A. B. Matinian. Biol. Glav. bot. sada no. 45:32-33 '62.
- BATUM—PLANT INTRODUCTION**
Interesting specimen of the American elm. A. B. Matinian. Biol. Glav. bot. sada no. 45:32-33 '62.
- BAUXITE** see subdivision under Siberia
- BEACONS**
Expected distance of the optical visibility of beacon lights, actual atmospheric transparency coefficient, and their determination. IU. Iakubovskii-Lipskii. Mor. flot 23 no. 2:20-21 F '63.
- BEAMS AND GIRDERS**
Gorki. Politekhnikeskii institut. Kafedra soprotyvleniya materialov. [Using the dissection method for calculating beams having extensive curvatures] Raschet brus'ev bol'shot krivizny metodom raschleneniya tela; uchebnoe posobie. Gorki, 1962. 22 p. [MICROFILM]
Make wider use of composite beams in the spans of road bridges. E. E. Gibshman, N. A. Kalashnikov, I. N. Seregin. Transp. stroit. 12 no. 7:49-51 Ji '62.
Molding of girders is simplified. I. Gol'dfel'd. Stroitel' 9 no. 2:26-27 F '63.
Stress analysis of a beam subjected to oblique lateral bending. N. M. Sapozhkov. Vest. mashinostr. 43 no. 1: 60-65 Ja '63.
Thermal stresses and strains in a long beam with non-uniform internal heat release. V. A. Tsykanov. Atom. energ. 14 no. 3:322-324 Mr '63.
Ultimate state of thin-walled beams in biaxial flexure with torsion [with summary in English]. O. I. Streilbits'ka. Dop. AN URSS no. 12:1571-1575 '62.
- BEANS**
Action of 2, 3, 5-triiodobenzoic acid on the content of free auxins in beans. N. A. Rodionova. Biol. Glav. bot. sada no. 45:81-84 '62.
Biology and cultivation practices of forage beans. A. I. Atabekova. Biol. v shkole no. 5:81-84 S-O '62.
Variability of the content of protein and nonprotein nitrogen in the vegetative organs and grain of some Phaseolus species. V. V. Safanova. Trudy po khim. prirod. soed. no. 3:41-55 '60.
- BEANS—HARVESTING**
Mechanized harvesting of decumbent bean crops. A. Miroshnikov. Tekh. v sel'khoz. 22 no. 7:7-9 Ji '62.
- BEANS—VARIETIES**
Variability of the content of protein and nonprotein nitrogen in the grain and green bulk of some phaseolus varieties (Ph. vulgaris L.). T. V. Varennikova, V. G. Klimenko. Trudy po khim. prirod. soed. no. 3:83-97 '60.
- BEAR HUNTING** see subdivision under Mongolia
- BEARING INDUSTRY**
Organization of a specialized production of sliding bearings is a means for increasing the reliability and durability of machinery. M. M. Khrushchev, A. P. Semenov. Vest. mashinostr. 43 no. 1:7-9 Ja '63.
- BEARING METALS**
Merkulov, E. F. [Antifriction porous alloys] Antifrictionnyye poristyye splavy. 2. izd. ispr. 1 dop. Moskva, Mashgliz, 1962. 68 p.
- BEARINGS (MACHINERY)**
Performance testing of new antifriction plantlets. M. Druzhnev. Plast. massy no. 2:66-68 '63.
Sliding spheric bearings for precision machine tools. IU. N. Sokolov. Stan. i instr. 34 no. 1:3-7 Ja '63.
Starting conditions of thrust sliding bearings. M. E. Podol'skii. Izv. AN SSSR, Otd. tekhn. nauk. Mekh. i mashinostr. no. 1:197-200 Ja-F '63.
Study of the operation of a self-equalizing Kingsbury-type thrust bearing. L. P. Sorozhkina. Teploenergetika 10 no. 2:36-41 F '63.
Technology of reconditioning the bushing of the GAZ-51 engine by the method of plateless build-up welding and broaching. V. Filippov. Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:120-132 '62.
- BEARING (MACHINERY)—LUBRICATION**
Lubrication grooves in sliding bearings. G. Kh. Astapovich. Mashinostroitel' no. 1:30 Ja '63.
- BEARS**
Forest musician. V. Pen'kov. Vokrug sveta no. 11: 41 N '62.
- BEAUTY, PERSONAL**
Advice of an cosmetologist. Rab. i stol. 30 no. 1:23 Ja '63.
- BEAUTY CULTURE**
Advice to cosmetologists. Mast. prom. i khud. promysl. 4 no. 2:38-39 F '63.
- BEAVERS**
(see also subdivision under Don Valley; Klumper Preserve)
Dynamics of the number of interstitial cells and the size of their nuclei in the testicles of beavers in the course of the second cycle. I. Vdovenko. Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:183-186 '62.
Interrelations between cortical and medulla substances of the suprarenal gland in beavers at various periods of the year. L. Torgun. Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:179-181 '62.
Morphology of the intramural nervous system of the stomach in beavers. T. Rakova. Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:193-198 '62.
Seasonal changes of the thyroid gland in beavers. A. Potashev. Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:187-191 '62.
- BEDNYI, DEM'IAN, 1833-1945**
Letter of Dem'ian Bednyi. L. Kudrevykh. Opanek 40 no. 51:25-26 D '62.
- BEE CULTURE—STUDY AND TEACHING**
Makal'mov, P. P. [Beekeeping] Pchelovodstvo; posobie dlia uchashchichsya sel'skoi srednei shkoly. Moskva, Uchpedgiz, 1962. 183 p. (DNAL)
- BEECH** see subdivision under Akhmeta District; Borzhomi region
- BEECH—DISEASES AND PESTS** see subdivision under Talysh Mountains
- BEEF CATTLE**
(see also subdivision under Altai Territory; Armenia)
Possibilities of reducing the cost of beef production on a collective farm. T. Vainina. Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:255-257 '62.
- BEEF CATTLE—FEEDING AND FEEDS**
(see also subdivision under Novyye Senzhary District; Poltava Province)
Pasture and feed lot fattening of young Red Steppe cattle. N. F. Rostovtsev. Zhivotnovodstvo 23 no. 7: 74-76 Ji '61.
- BEEF CATTLE—TRANSPORTATION**
Methods for improving the transportation and keeping of cattle before slaughtering at meat combines. N. B. TSirel'son and others. Zhivotnovodstvo 23 no. 6:25-27 Je '61.
- BEEES**
(see also subdivision under Kirghizistan)
Honey geography. V. Nekrasov. Vokrug sveta no. 11: 50-52 N '62.
Nazarenko, I. I., and A. K. Smikhun. [Bees and crops] Bdzholy i vrozhal. [Odesa] Odes'ke knyzhkov vyd-vo, 1960. 20 p. (DNAL)
Some characteristics of the conformation and physiological features of working bees. A. N. Kolesnikov. Uch. zap. Kaz. un. 120 no. 6:271-321 '60.

BEEES—DISEASES AND PESTS

Nosema and the morphological changes in bees. S. V. Zhdanov. Uch. zap. Kaz. un. 120 no. 6:209-270 '60.

BEETS

Effect of an alcohol infusion and juice of beets on blood pressure. V. Buzlama. Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:223-224 '62.
Improvement of the elevator of the SNT-2, 1 beet loader. V. I. Anchevskiy. Mekh. sil', hosp. 13 no. 12:17-18 D '62.
Strengthening the conveyor of the SNT-2, 1 beet loader. O. S. Zlochevskiy. Mekh. sil', hosp. 13 no. 12:18 D '62.

BEETS—FERTILIZERS AND MANURES

Effect of application methods for mineral fertilizers on the consumption of nutritive substances and yield of table beets [with summary in English]. E. I. Nesterova. Nauch. trudy, Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:188-200 '60.

BEETS—STORAGE

Changes occurring in the composition of the coloring matter of garden beets during long storage. A. A. Kolesnik, V. I. Anisimov. Kona, i ov. prom. 18 no. 1: 15-18 Ja '63.

BEGOVAT—CONSTRUCTION INDUSTRY

The volunteer section is in operation. V. Koshkin. Part. zhizn' [Uzb.] 6 no. 1:87-89 Ja '63.

BEGOVAT—ROLLING MILLS

Rolling mill operators are keeping their word. S. Nurtdinov. Part. zhizn' [Uzb.] 6 no. 1:31-33 Ja '63.

BEIRUT—ORTHODOX EASTERN CHURCH—RELATIONS

Fiesta in Beirut Cathedral. Zhur. Mosk. Patr. no. 1:49-50 Ja '63.

BEKETOV, NIKOLAI NIKOLAEVICH, 1827-1911

N. N. Beketov on the D. I. Mendeleev periodic law. M. A. Ulanovskaya. Trudy Inst. ist. est. i tekhn. 39:272-282 '62.

BELAYA TSEKOV' DISTRICT—AGRICULTURE

I. L. Perkovskiy's strategy. Pavlo Polynskiy. Ukraina no. 13:6-8 Ji '62.

BELAYA VALLEY (BASHKIRIA)—PLANT SUCCESSION

Genesis of floodplain soils and its relation with the succession of vegetation in the floodplain of the middle course of the Belaya River [with summary in English]. B. M. Mirkin, M. N. Miftakhov. Vest. LGU 18 no. 3: 74-81 '63.

BELAYA VALLEY (BASHKIRIA)—SOIL FORMATION

Genesis of floodplain soils and its relation with the succession of vegetation in the floodplain of the middle course of the Belaya River [with summary in English]. B. M. Mirkin, M. N. Miftakhov. Vest. LGU 18 no. 3: 74-81 '63.

BELGIUM—COMMUNIST PARTY

Communists in an industrial plant; a letter from Belgium. Part. zhizn' no. 5:67-70 Mr '63.

BELGIUM—WAGES

Wages for female labor in Belgium. Vaem. prof. dvizh. no. 2:43 F '63.

BELGIUM—WOMEN—EMPLOYMENT

Wages for female labor in Belgium. Vaem. prof. dvizh. no. 2:43 F '63.

BELGOROD-DNESTROVSKIY DISTRICT—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Havryluk, N. A. [Cultural propaganda brigade] Agitkul'brigada. [Odesa] Odes'ke kuzhkovye vyd.-vo, 1959. 19 p. (Bibliotekha agitatora)

BELGOROD PROVINCE—EDUCATION

Good traditions of Belgorod residents. E. Kainkova. Nar. obr. no. 2:6-8 F '63.

BELGOROD PROVINCE—NEWSPAPER AND PERIODICAL CIRCULATION

Give special attention to the village! P. Vostrikov. Raspr. pech. no. 1:7 Ja '62.

BEL'KHARD, OLEKSANDR LIUTSIANOVYCH, 1902-

Professor O. L. Bel'khard on his 60th birthday. M. O. Al'khayka, M. A. Sidel'nyk. Ukr. bot. zhur. 19 no. 6: 103-104 '62.

BELINSKI, VISSARION GRIGOR'EVICH, 1811-1848

Tal'nikov, D. L. [Belinski's aesthetics of the theater] Teatr i natsionalnaya estetika Belinskogo. Moskva, Iskusstvo, 1962. 412 p. (MI) (RPB)

BELL-BUOYS see BuOys

BELORZERSK—CONSTRUCTION WORKERS

Fulfilled dreams. Mikhail Shymanski. Rab. i stal. 30 no. 1:4-5 Ja '63.

BELOZERKA DISTRICT—POLITICS AND GOVERNMENT

A district soviet is ready to struggle for the solution of new problems. L. Filatov, I. Shekhatov. Sov. deput. trud. no. 3:26-30 Mr '63.

BELTS AND BELTING

Zhdanova, A. V. [Mechanisms for the transmission of rotary motion] Mekhanizmy peredachi vrashchaniy nogo dvizheniya. Moskva, Mashgiz, 1962. 78 p. (Nauchno-populnaya biblioteka molodogo rabochego)

BENARIO, OLGA—FICTION

Olga Benario. Ruth Werner. Rabotnitsa 40 no. 3:14-15 Mr '62.

BENDING MACHINES

12114 sheet-bending machine with a turnable bending beam. I. D. Savin. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:23-25 '63.

BENKA, MARTIN, 1888-

In the studio of a people's artist. Ludovit Andil. Istakstvo 25 no. 9:45-46 '62.

BENTHOS see subdivision under Kuybyshev Province; Rybinsk Reservoir

BENZALDEHYDE

Polarographic investigation of p-phenylbenzoic aldehyde. V. D. Bezuglyi, E. A. Prochazhenskaya. Zhur. ob. khim. 33 no. 2:353-359 F '63.

BENZAMIDINE

Some N-derivatives of benzamidine. D. F. Kutepov, A. A. Potashnik, V. V. Sheluchenko. Zhur. ob. khim. 33 no. 2:579-581 F '63.

BENZENE

Absorption of allylbenzene and allylcyclohexane on a chromia catalyst. I. V. Smirnova, G. V. Karpushina, K. V. Topchieva. Neftekhimiya 3 no. 1:71-73 Ja-F '63.

Alkylation of aromatic compounds with alcohols. Part 18: Reactions of 1-pentanol and 1-hexanol with benzene. G. Kh. Khakimov, I. P. Tsukervanik. Zhur. ob. khim. 33 no. 2:493-499 F '63.

Comparison of the reactivity of allylbenzene and allylcyclohexane during polymerization on a chromia catalyst. A. V. Topoldev, E. A. Mushina, A. I. Perel'man. Neftekhimiya 3 no. 1:74-81 Ja-F '63.

Cyclopropanes and cyclobutanes. Part 27: Cyclopropyl-alkylbenzenes. R. Ia. Levina and others. Zhur. ob. khim. 33 no. 2:359-365 F '63.

Experiments in the production of sulfur-free benzene. O. A. Semenova and others. Koks i khim. no. 1:41-43 '63.

Formaldehyde method of thiophene removal from benzene. L. M. Cherkasova, L. K. Gorin. Koks i khim. no. 1:44-46 '63.

Influence of high pressure on the steric course of tert-butylbenzene phenylation. M. G. Gornikberg, N. I. Prokhorova, E. F. Litvin. Dokl. AN SSSR 148 no. 1: 105-108 Ja '63.

Macromolecular derivatives of α -methylstyrene. Part 2: Chloromethylation of copolymers of α -methylstyrene with divinylbenzene [with summary in English]. A. B. Davankov, I. Santo, P. M. Lilo. Vysokom. soed. 5 no. 2:238-242 F '63.

Oxidation of benzene and phenol by pernitrous acid and of allylaldehyde by Fenton's reagent. N. A. Vysotskaya. Dokl. AN SSSR 148 no. 2:344-346 Ja '63.

Problem of the condensation of 2,5-dimethyl-2,5-dichlorohexane with benzene. K. M. Shindmanov. Uzb. khim. zhur. 6 no. 6:40-51 '62.

Reaction of nitroolefins with aromatic compounds in the presence of acid catalysts. Part 2: Condensation of 1,1,1-trichloro-3-nitro-2-propene with benzene in the presence of aluminum chloride. A. D. Grebenok, A. Ladanova, I. P. Tsukervanik. Zhur. ob. khim. 33 no. 2:490-493 F '63.

Thermal decomposition of benzoyl peroxide in phenylcyclohexane. G. A. Razuvaev, B. G. Zateev. Zhur. ob. khim. 33 no. 2:673-676 F '63.

BENZENE DERIVATIVES

Cyclopropanes and cyclobutanes. Part 28: p-Acetylphenylcyclopropane in the synthesis of para-substituted cyclopropylbenzenes. R. Ia. Levina and others. Zhur. ob. khim. 33 no. 2:365-371 F '63.

Synthesis of 1'-(2-hydroxy-5-alkylphenyl) propylamines. A. N. Kost, B. M. Shelman. Zhur. ob. khim. 33 no. 2: 545-549 F '63.

Synthesis of 1,4-bis(trimethylsilyl)benzene. V. E. Nikitenkov. Zhur. ob. khim. 33 no. 2:641-642 F '63.

BENZENE IN THE BODY

Effect of galascorbin on hemopoiesis in benzene poisoning [with summary in English]. A. E. Shampal. Vrach. delo no. 11:104-108 N '62.

BENZHYDROL

Ambo others. Report No. 3: Some diacylamine ethyl ethers of p-alkoxybenzhydrol. O. L. Midzholan, N. M. Morozova. Izv. AN Arm. SSR. Khim. nauki 15 no. 8:553-562 '62.

BENZIMIDAZOLE

Reactions involved in the formation of polybenzimidazoles. V. V. Korshak and others. Dokl. AN SSSR 149 no. 1: 104-106 Mr '63.

BENZIMIDAZOLE—SPECTRA

Spectral characteristics and scintillation properties of some 2-aryl derivatives of benzoxazole and benzimidazole. L. N. Pushkina, V. V. Tkachev, I. A. Postovskii. Dokl. AN SSSR 149 no. 1:135-138 Mr '63.

BENZIMIDAZOLETHIOL

2-Mercaptobenzimidazole as a reagent for selenium [with summary in English]. A. I. Busev, Khoang Minh Chau [Hoang Minh Chau] Zhur. anal. khim. 17 no. 9: 1001-1005 D '62.

BENZIMIDAZOLETHIOL—TOXICOLOGY

Comparing the toxicity of mercaptobenzimidazole and N-phenyl-N-isopropylparaphenylenamine. R. S. Varob'eva and others. Kauch. i rez. 22 no. 2:15-19 F '63.

BENZINDOLINONE

Derivatives of benz(c,d)indoline. Part 7: Synthesis and reactions of 1-arylamino benz(c,d)indolin-2-one. N. S. Dokumukhin, G. I. Bystritskiy. Zhur. ob. khim. 33 no. 2:630-633 F '63.

BENZOIC ACID

Action of 2,3,5-triiodobenzoic acid on the content of free auxins in beets. N. A. Rodionova. Blul. Glav. bot. nadsa no. 45:81-84 '62.

BENZOPYRYLIUM COMPOUNDS

Chloro-substituted benzopyrylium monomethinecyanines. A. I. Tchinchev, V. P. Sribnaya, L. V. Shcheglov, Zhur. ob. khim. 33 no. 2:440-447 F '63.

BENZOXAZOLE—SPECTRA

Spectral characteristics and scintillation properties of some 2-aryl derivatives of benzoxazole and benzimidazole. L. N. Pushkina, V. V. Tkachev, I. A. Postovskii. Dokl. AN SSSR 149 no. 1:135-138 Mr '63.

BENZOYL PEROXIDE

Thermal decomposition of benzoyl peroxide in phenylcyclohexane. G. A. Razuvaev, B. G. Zateev. Zhur. ob. khim. 33 no. 2:673-676 F '63.

BENZYL GROUP

Pyrazoles. Part 33: Oxidative elimination of a benzyl group and interaction of the Grignard reagent with halopyrazoles. I. I. Grandberg and others. Zhur. ob. khim. 33 no. 2:515-519 F '63.

BERDICHEV—CLOTHING INDUSTRY

From practices of the Berdichev Clothing Factory No. 2. U. I. Zaretskiy, L. K. Ostapenko. Lek. prom. no. 3:55-56 Je-Ag '62.

BERDYANSK—GLASS FIBER INDUSTRY

Introduction of automation in the Berdyansk glass fiber factory. S. Z. Mustenko, V. K. Zaslavin. Lek. prom. no. 3:71-73 Je-Ag '62.

BERENIL

Results of the use of berenil in the Hemosporkidia infection of cattle. P. N. Lili. Trudy Uz. nauch.-issl. inst. vet. 14:113-123 '61.

BEREZINA, EKATERINA KHARITONOVNA, 1892-

Ekaterina Kharitonovna Berezina on her 70th birthday. A. N. Mikhailov. Meteor. i gidrol. no. 2:60 F '63.

BEREZOVKA (KHARKOV PROVINCE)—MINERAL WATERS

Characteristics of the chemical composition of therapeutic waters of the Berезovka type. N. A. Il'yuk. Vrach. delo no. 1:150-151 N '62.

BERGAMO, ITALY—ENGINEERING MODELS

The experimental institute of models and structures in Bergamo (Italy). B. V. Jakubovskii. Bot. i zhef.-bet. 6 no. 12:568-570 D '62.

BERLIN QUESTION (1945-)

Explosion on the Hohenzollerndamm. Kurt Wedekind. Nov. vrom. 20 no. 12:10 Mr '63.

"Fact book on subversive activities emanating from West Berlin against the socialist countries." Reviewed by A. Markov. Komm. Vooruzh. Sil 3 no. 23: 88-92 D '62.

BERLIOZ, HECTOR, 1803-1868

Khokhlovskaya, A. Berlioz. Moskva, Gos. muzykal'noe izd.-vo, 1962. 546 p. (MI)

BERNOULLI, DANIEL, 1700-1782

Daniel Bernoulli and his "hydrodynamics." F. Nesteruk. Rech. tranep. 22 no. 1:50-52 Ja '63.

BERRIES

Potukhov, S. P., N. K. Smol'ianinov, and A. S. Spirin. [Growing berry nursery stock] Vyrashchivaniye posadobnogo materiala ingodnykh kul'tur. Moskva, Sel'khozizdat, 1962. 206 p. (DNAL)

- BERYLLIUM**
Some data on the geochemistry of beryllium in pegmatites. T. I. Timchenko, Li Chao-ling. Trudy Min. muz. no. 13:126-134 '62.
- BERYLLIUM—INCLUSIONS**
X-ray study of the solubility of impurities in beryllium. V. M. Amosenko and others. Fiz. met. i metalloved. 14 no. 6:852-856 D '62.
- BERYLLIUM—TOXICOLOGY**
Clinical aspect of berylliosis. G. A. Raevskaya. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:329-334 '61.
- BERYLLIUM BROMIDE**
Polymorphism of beryllium bromide and iodide. K. N. Semenenko, T. N. Naumova. Zhur. strukt. khim. 4 no. 1:67-72 Ja-F '63.
- BERYLLIUM BRONZE—HARDENING**
Investigating the aging of beryllium bronze. M. G. Lozinskii, V. S. Mirotvorskii, A. G. Rakhshadt. Fiz. met. i metalloved. 14 no. 6:834-842 D '62.
- BERYLLIUM IODIDE**
Polymorphism of beryllium bromide and iodide. K. N. Semenenko, T. N. Naumova. Zhur. strukt. khim. 4 no. 1:67-72 Ja-F '63.
- BERZELIUS, JÖNS JACOB, 1779-1848**
Role of Berzelius in the study of the chemistry of rare earths. D. N. Trifonov. Trudy Inst. ist. est. i tekhn. 39:77-86 '62.
- BESNIER-BOECK DISEASE** see Granuloma benignum
- BESSEMER PROCESS—CONGRESSES**
Technical conference on the oxygen-converter process. Stal' 23 no. 1:25-26 Ja '63.
- BET-PAK-DALA—BIRDS—MIGRATION**
Notes on the fall flight of birds in the southeastern part of Bet-Pak-Dala. A. A. Vinokurov. Migr. zhiv. no. 3: 135-141 '62.
- BETA RAYS—SPECTRA**
Contribution of third forbidden transitions to the β -electron spectrum and polarization of RaE. N. P. Popov. Izv. AN SSSR. Ser. fiz. 27 no. 2:283-285 F '63.
- BETA-RAY SPECTROMETER**
Design of a β -spectrometer with double and twofold focusing at the angle $\sqrt{2}$. M. A. Listengarten. Izv. AN SSSR. Ser. fiz. 27 no. 2:290-294 F '63.
Precision prismatic beta-spectrometer. Part I. Electrical-optical diagram and design. V. M. Kel'man, B. P. Peregud, V. I. Skopina. Zhur. tekhn. fiz. 32 no. 12: 1445-1454 D '62.
Precision prismatic beta-spectrometer. Part 2: Resolving power, aperture ratio, precision of energy measurements and relative intensities. V. M. Kel'man, B. P. Peregud, V. I. Skopina. Zhur. tekhn. fiz. 32 no. 12: 1465-1476 D '62.
Study of electron energy spectra of a toroidal discharge in a "Beta" machine. E. A. Lobikov, A. I. Nastukha. Zhur. tekhn. fiz. 32 no. 12:1492-1493 D '62.
Study of neutron-deficient Lu isotopes using a prism spectrometer equipped with quadrupole lenses. V. V. Tuchkevich, V. A. Romanov, M. G. Totubalina. Izv. AN SSSR. Ser. fiz. 27 no. 2:246-248 F '63.
- BETAZINE**
Betazine in fattening farm animals. K. A. Orlov, A. A. Ulin'skii. Zhivotnovodstvo 23 no. 7:70-81 Ji '61.
- BEUDANTITE** see subdivision under Transbaikalia
- BEZMYANNYY VOLCANO**
Characteristics of partial oxygen pressure in the chimney of the Bezmyanny Volcano in the process of eruption. I. I. Gushchenko. Dokl. AN SSSR 148 no. 1: 191-193 Ja '63.
- BIBLIOGRAPHY**
[Book chronicle] Knizh. let. nos. 7-10 '63. Vspomogatel'nye ukazateli k nos. 40-52 za 1962 god. Dopolnitel'nyi vypusk no. 1 '63. Vspomogatel'nye ukazateli k nos. 10-12 za 1962 god.
Brief information on new books. Komm. Mold. 7 no. 1: 80-3 of cover Ja '63.
"General bibliographies in foreign countries" by G. G. Krichevskii. Razved. i obrat. 1962. '63.
- New books. Sots. kul't. no. 2:40-41 F '63.
New books. Vest. AN SSSR 33 no. 2:137-142 F '63.
New books and pamphlets. Komm. Uz. 34 no. 12:90-91 D '62.
New books and pamphlets. Komm. Uz. 35 no. 1:95-96 Ja '63.
[New literature on science and research abroad] Nov. lit. o nauke i nauch. -issl. rab. za rub. nos. 3, 11 '62.
[New Soviet literature on science and general research in the U. S. S. R.] Nov. sov. lit. o nauke i nauch. -issl. rab. v SSSR no. 10 '62.
Published in "Vysshaya shkola." Vest. vys. shkoly 21 no. 1:94 Ja '63.
- BIBLIOGRAPHY—AERONAUTICS**
New books. Grazhd. av. 10 no. 10:32 O '62.
- BIBLIOGRAPHY—AESTHETICS**
Engineering and aesthetics. R. Povileiko. V mire knig 2 no. 8:14-15 Ag '62.
- BIBLIOGRAPHY—AFRICA**
Africa is striding toward freedom. E. Berkov. V mire knig 2 no. 8:10 Ag '62.
[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 11 '62.
- BIBLIOGRAPHY—AFRICAN STUDIES**
Literature on Asia and Africa in 1963. I. U. O. Bern and others. Nar. Az. i Afr. no. 1:242-249 '63.
- BIBLIOGRAPHY—AGRICULTURAL MACHINERY**
New books. Tekhn. v sel'khoz. 22 no. 7:48 Ji '62.
New books. Tekhn. v sel'khoz. 22 no. 12:88 D '62.
Saddle the steel horse! Kul't.-pros. rab. 23 no. 10: 9-10 O '62.
These books teach you how to operate combines. Kul't.-pros. rab. 23 no. 12:9-10 D '62.
- BIBLIOGRAPHY—AGRICULTURAL WORKERS**
For the library of a rural worker. Koop. Kazakh. 5 no. 4:47 Ap '62.
- BIBLIOGRAPHY—AGRICULTURE**
[Agricultural literature of the U. S. S. R.] Sel'khoz. lit. SSSR no. 9 '62.
Aid for schools. P. Shuleikin. Shkola i protzv. 7 no. 1: 77-78 Ja '63.
Closer to the needs of the rural population. V. V. Vushin. V Mire knig 2 no. 10:20 O '62.
"Consolidated classified catalog of agricultural literature for 1963." Uchet i fin. v kol'khoz. i sovkh. 20 no. 1: 60-61 Ja '63.
[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences] Inform. biol. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 5, 7-8 F-Mr. '63.
[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'khoz. 7 nos. 2-3 F-Mr '63.
- BIBLIOGRAPHY—AGRICULTURE—ECONOMIC ASPECTS**
Ready for publication. Uchet i fin. v kol'khoz. i sovkh. 20 no. 1:61-62 Ja '63.
- BIBLIOGRAPHY—ALKALI METALS**
Akademii nauk SSSR. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov. [Rare alkali metals (lithium, rubidium, and cesium); a bibliography on their geochemistry, mineralogy, crystal chemistry, geology, the analytic methods of their determination, and their economics] Redkie zhelezochnye metally (litii, rubidii i tseziu); bibliografiya po geokhimii, mineralogii, kristalloghimii, geologii, analiticheskim metodam opredeleniya i ekonomiko. Sost. B. I. Kogan i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 327 p.
- BIBLIOGRAPHY—ANATOMY, SURGICAL AND TOPOGRAPHICAL**
The State Publishing House for Medical Literature is preparing these books for 1963 publication. Sud.-med. ekspert. 8 no. 1:2-4 of cover Ja-Mr '63.
- BIBLIOGRAPHY—ANTARCTIC REGIONS**
Bibliography. Inform. biol. Sov. antark. eksp. no. 33: 54-57 '62.
- BIBLIOGRAPHY—ANTHROPOLOGY**
A list of V. V. Vunak's basic printed works; on his 70th birthday. Vop. antr. no. 10:168-173 '62.
- BIBLIOGRAPHY—APARTMENT HOUSES**
From the pages of foreign books and magazines. Zhil. stroit. no. 1:32 '63.
- BIBLIOGRAPHY—ARCHAEOLOGY**
[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. '62.
[New literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. '62.
- BIBLIOGRAPHY—ARCTIC REGIONS**
Brief list of Soviet literature on research in the Arctic basin, conducted on high latitude expeditions and drift stations between 1937 and 1962. Probl. Arkt. i Antarkt. no. 1:115-120 '62.
- BIBLIOGRAPHY—ART**
Aids for universities of cultures. Klob 12 no. 8:15-16 Ag '62.
[Literature and art of the peoples of the U. S. S. R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 1 '63.
- BIBLIOGRAPHY—ART OBJECTS—CONSERVATION AND RESTORATION**
Moscow. Vsesoyuznaya tsentral'naya nauchno-issledovatel'skaya laboratoriya po konservatsii i restavratsii muzeinykh khudozhestvennykh tsennostei. [Bibliography on problems of conservation and restoration of art works and cultural monuments] Bibliograficheskii ukazatel' literatury po voprosam konservatsii i restavratsii proizvedenii iskusstva i pamiatnikov kul'tury. Moskva, No. 1, pls. 3/4. 1962. 138 p. (Iz. Sotsializma, no. 8)
- BIBLIOGRAPHY—ASIA**
[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 11 '62.
- BIBLIOGRAPHY—ASIAN STUDIES**
Literature on Asia and Africa in 1963. I. U. O. Bern and others. Nar. Az. i Afr. no. 1:242-249 '63.
- BIBLIOGRAPHY—ASSES AND MULES**
Moscow. Moskovskaya sel'kokhozhaiatsvonnaya akademiya imeni K. A. Timiriazova. Muzei konovodstva. [Literature on the biology of horses, asses, and mules, horse raising, and equestrian sports, published in the U. S. S. R. in 1917-1961; classified index] Literatura po biologii ioshadi, osla i mula, po konovodstvu i konnemu sportu, izdannaya v SSSR v 1917-1961 gg.; sistematicheskii ukazatel'. Moskva, 1962. 653 p.
- BIBLIOGRAPHY—ATHEISM**
Atheistic literature of 1962. Vop. ateist. 3 no. 2:63-64 F '63.
New literature on atheism. G. N. Shapochkina. Vesh. ared. shkola 5 no. 5:63-66 S-O '62.
[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po voy. rel. i ateiz. nos. 3, 9-10 '62.
- BIBLIOGRAPHY—AUTOMATIC CONTROL**
Articles from periodicals. Prihorostroenie no. 1:3 of cover Ja '63.
New books. Prihorostroenie no. 1:31-32 Ja '63.
- BIBLIOGRAPHY—AUTOMATION**
From foreign periodicals, June 1962. Mekh. i avtom. proizv. 17 no. 1:63-64 and 3 of cover. Ja '63.
From foreign periodicals, July 1962. Mekh. i avtom. proizv. 17 no. 2:63-3 of cover F '63.
From Soviet periodicals, December 1962. Mekh. i avtom. proizv. 17 no. 1:61-63 Ja '63.
From Soviet periodicals, January 1963. Mekh. i avtom. proizv. 17 no. 2:61-63 F '63.
New books. Mekh. i avtom. proizv. 17 no. 2:59-60 F '63.
New books. Mekh. i avtom. proizv. 17 no. 1:60 Ja '63.
- BIBLIOGRAPHY—BAKERS AND BAKERIES**
From pages of information bulletins of economic councils. V. A. Abaidulina. Khleb, i kond. prom. 7 no. 1:44-45 Ja '63.
- BIBLIOGRAPHY—BIOLOGY**
[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences] Inform. biol. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 5, 7-8 F-Mr '63.
[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'khoz. 7 nos. 2-3 F-Mr '63.
- BIBLIOGRAPHY—BOATBUILDING**
Small craft building. Sudostroenie 20 no. 2:44-46 F '63.
- BIBLIOGRAPHY—BREWING INDUSTRY**
Tsentral'naya nauchno-tekhnicheskaya biblioteka plachevot promyshlennosti. [Automation and mechanization of production processes in the brewing and soft drinks industry; brief index of literature] Avtomatizatsiya i mekhanizatsiya proizvodstvennykh protsessov v pivovarennoi i bezalkogol'noi promyshlennosti; kratkii spisok literatury. Moskva, 1962. 47 p. (V pomoshch' novatoru)
- BIBLIOGRAPHY—BUILDING**
New literature on construction. Biul. stroit. tekhn. 20 no. 2:3 of cover F '63.

- BIBLIOGRAPHY—BUILDING (Continued)**
Publications of the Central Bureau of Technical Information of the Research Institute for the Organization, Mechanization and Technical Assistance to Construction. *Stroitel'stroy. tekhn.* 20 no. 2:44 F '63.
- BIBLIOGRAPHY—CARTOGRAPHY**
Bibliography. Geod. i kart. no. 1:79-80 Ja '63.
Bibliography. Geod. i kart. no. 12:70-73 D '62.
- BIBLIOGRAPHY—CERAMICS**
Book reviews and bibliography. *Stek. i ker.* 20 no. 2:48 F '63.
- BIBLIOGRAPHY—CHEMISTRY**
[Chemistry; classed index of articles in foreign periodicals] *Khim.; sist. uk. st. v inostr. zhur.* no. 1 '63.
- BIBLIOGRAPHY—CHILDREN'S LITERATURE**
School, work, communism. *V mire knig* 2 no. 8:36-37 Ag '62.
Varied and fascinating. *V mire knig* 2 no. 10:36-37 O '62.
- BIBLIOGRAPHY—CLIMATOLOGY**
Akchurina, R. M., and I. O. Biblo. [Climate and continental waters in the southeastern area of the European part of the U. S. S. R.; bibliography] *Klimat i vody sush. i morya Vostochnoi Yevropeiskoi chasti SSSR; bibliograficheski ukazatel'. Saratov, Izd-vo Saratovskogo univ., 1961. 267 p. (Saratov, Universitet. Nauchnaya biblioteka. Bibliografika Saratovskoi oblasti, no. 5)*
- BIBLIOGRAPHY—COKE INDUSTRY**
From the pages of factory wall newspapers. *Koka i khim.* no. 2:63-64 '63.
- BIBLIOGRAPHY—COMMUNICABLE DISEASES**
Literature on communicable diseases. *Nauch. trudy uch. i prakt. vrach. Uzb.* no. 3:184-192 '62.
- BIBLIOGRAPHY—COMMUNISM**
Articles published outside the U. S. S. R. on the history of communist parties. *Vop. ist. KPSS* 7 no. 2:145-146 F '63.
Guiding star of the people. *P. Koroleva. V mire knig* 2 no. 10:1-2 O '62.
New books and pamphlets on the history of the CPSU and the international communist and labor movement. *Vop. ist. KPSS* 7 no. 1:2-3 of cover Ja '62.
Powerful weapon of communist ideology. *V mire knig* 2 no. 10:1-2 O '62.
Source materials and articles on the history of the CPSU and the international communist and labor movement published in September-October 1962 in periodicals, bulletins, and scholarly serials. *Vop. ist. KPSS* 7 no. 1:145-149 Ja '63.
Source materials and articles on the history of the CPSU and the communist and labor movement published in periodicals, bulletins, and scholarly serials in November-December, 1962. *Vop. ist. KPSS* 7 no. 2:147-150 F '63.
Ukrainian books. *A. Irin. V mire knig* 2 no. 10:5 O '62.
- BIBLIOGRAPHY—COMMUNIST EDUCATION**
New books and articles. *E. M. Braverman. Filz. v shkole* 22 no. 6:64-66 N-D '62.
- BIBLIOGRAPHY—COMMUNIST ETHICS**
Books for youth on the moral code of the builders of communism. *M. Bochkareva. Klub* 12 no. 7:30-32 Ji '62.
- BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION**
The Communist Party, the organizer of the fight for the victory of communism; a survey of literature. *G. Suntsova. Klub* 11 no. 5:26-27 My '62.
Lenin and the party. *Kal. znam. i pam. dat.* 8 no. 3:4-10 Mr '63.
New books and pamphlets on the history of the CPSU and the international communist and labor movement. *Vop. ist. KPSS* 7 no. 1:2-3 of cover Ja '63.
Source materials and articles on the history of the CPSU and the communist and labor movement published in periodicals, bulletins, and scholarly serials in November-December, 1962. *Vop. ist. KPSS* 7 no. 2:147-150 F '63.
Studies on the history of the CPSU to be published in 1963 by the Publishing House of Political Literature. *S. M. Maierov. Vop. ist. KPSS* 7 no. 2:153-154 F '63.
- BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
The March 1962 Plenum of the Central Committee of the CPSU. *Kal. znam. i pam. dat.* 8 no. 3:15-22 Mr '63.
- BIBLIOGRAPHY—CONCRETE CONSTRUCTION**
Books published by the State Construction Publishing House in 1962. *Bet. i zhel.-bet.* 8 no. 12: 3 of cover D '62.
- BIBLIOGRAPHY—CONFECTIONERY**
From pages of information bulletins of economic councils. *V. A. Abeidulina. Khleb, i kond. prom.* 7 no. 1:44-45 Ja '63.
Literature published by the Central Scientific Research Institute of the Confectionery Industry. *Khleb, i kond. prom.* 7 no. 1:47 Ja '63.
- BIBLIOGRAPHY—CONSTRUCTION INDUSTRY**
Announcement. *Stroitel'* 9 no. 2:3 of cover F '63.
New books of the State Construction Publishing House. *Vod. i san. tekhn.* no. 1:40 Ja '63.
New books published by the State Construction Publishing House. *Zhil. stroit.* no. 1:3-4 of cover '63.
New books. *Sil'. bud.* 13 no. 2:24 F '63.
- BIBLIOGRAPHY—CONTAINERS**
Moscow. *TSentral'naya nauchno-tekhnicheskaya biblioteka* [Izvestiya i bibliograficheskaya literatura. [Manufacture of wood containers; bibliographical index of domestic and foreign literature from 1947 to 1959] *Proizvodstvo dorevnykh tary, bibliograficheski ukazatel' otechestvennoi i inostrannoi literatury za 1947-1955 gg. Moskva, 1960. 107 p.*
- BIBLIOGRAPHY—CRYSTALLOGRAPHY**
Additional lists of works containing new data on crystal structures. *Zhur. strukt. khim.* 4 no. 1:157-159 Ja-F '63.
List of works for 1960 containing new data on crystal structures. *Zhur. strukt. khim.* 4 no. 1:142-156 Ja-F '63.
- BIBLIOGRAPHY—CULTURAL PROPERTY, PROTECTION OF**
Moscow. *Vsesoyuznaya tsentral'naya nauchno-issledovatel'skaya laboratoriya po konservatsii i restavratsii muzeinykh khudozhestvennykh ismenostei.* [Bibliography on problems of conservation and restoration of art works and cultural monuments] *Bibliograficheski ukazatel' literatury po voprosam konservatsii i restavratsii proizvedenii iskusstva i pamyatnikov kul'tury. Moskva, No. 1, pts. 1/2. 1961. 135 p. (Iz. Soobshcheniya, no. 5)*
- BIBLIOGRAPHY—CZECHOSLOVAKIA**
[New literature on Czechoslovakia] *Nov. lit. po Chexk.* no. 11 '62.
- BIBLIOGRAPHY—DANCING**
Moscow. *TSentral'nyi dom narodnogo ivrochestva imeni N. K. Krupskoi, Moscow.* [Dances the world over; list of dances for amateur choreographic groups] *Tantsy narodov mira; spiskok proizvedenii dlia postanovok v samodelatel'nykh khoreograficheskikh kolektivakh. Moskva, 1962. 21 p. (Navstrechu VII Vsesmirnomu festivalu molodezhi i studentov)*
- BIBLIOGRAPHY—DICKENS, CHARLES, 1812-1870**
"Charles Dickens; bibliography of Russian translations and literary criticism in the Russian language, 1838-1960." Reviewed by B. G. Genson. *Vop. lit.* 6 no. 12: 222-224 D '62.
- BIBLIOGRAPHY—DIESEL LOCOMOTIVES**
Books for diesel locomotive engineers to be published in 1963. *V. A. Drobinaki. Elek. i topl. tizn.* 7 no. 2, p. 3 of cover F '63.
New technical literature on electric and diesel traction. *Elek. i topl. tizn.* 6 no. 12:43 D '62.
- BIBLIOGRAPHY—DISTILLING INDUSTRIES**
From the pages of foreign publications. *G. L. Oshman. Spirit, prom.* 28 no. 1:36-37 '63.
From pages of newspapers. *Spirit, prom.* 29 no. 1:46-47 '63.
- BIBLIOGRAPHY—ECONOMICS**
[New foreign books on the social sciences; economics, philosophy, history, international relations] *Nov. knigi za rub. po obshchestv. naukam; ekon., filoz., ist., mezhduar. otn.* 6 no. 3 Mr '63.
[New foreign economic literature] *Nov. inostr. ekon. lit.* no. 11 '62.
[New Soviet economic literature] *Nov. sov. ekon. lit.* no. 36 '62.
- BIBLIOGRAPHY—ECONOMICS—STUDY AND TEACHING**
Practice and methods of the propagation of economic studies; survey of literature. *N. Avdulov. Polit. samobor.* 7 no. 1:137-142 Ja '63.
- BIBLIOGRAPHY—EDUCATION**
Bookshelf. *Nar. obr.* no. 2:91, 115 F '63.
Bookshelf. *Nar. obr.* no. 2:115 F '63.
Brief notes on books. *A. I. Metelkin. Vest. vys. shkoly* 21 no. 1:93 Ja '63.
Methodological literature of local publishing houses. *Prep. ist. v shkole* 17 no. 6:114-115 N-D '62.
- BIBLIOGRAPHY—EDUCATION, COOPERATIVE**
What to read on industrial education and work training. *S. Shtern. Shkola-int.* no. 6:85-89 N-D '62.
- BIBLIOGRAPHY—ELECTIONS**
Propagandist's bookshelf. *Agitator* no. 3:17 F '63.
- BIBLIOGRAPHY—ELECTRIC RAILROADS**
New technical literature on electric and diesel traction. *Elek. i topl. tizn.* 6 no. 12:43 D '62.
- BIBLIOGRAPHY—ELECTRICITY ON SHIPS**
Electric equipment of ships. *Sudostroenie* 29 no. 2:41 F '63.
- BIBLIOGRAPHY—ERENBURG, ORIGONI BORISOVICH, 1903-**
A list of G. B. Erenburg's basic scholarly works. *Nar. Az. i Afr.* no. 1:250-251 '63.
- BIBLIOGRAPHY—ETHNOGRAPHY**
[New foreign literature on history, archaeology, and ethnography] *Nov. inostr. lit. po ist., arkheol. i etn.* no. 12 '62.
[New Soviet literature on history, archaeology, and ethnography] *Nov. sov. lit. po ist., arkheol. i etn.* no. 11 '62.
- BIBLIOGRAPHY—FACTORY SANITATION**
Safety measures and factory sanitation in the manufacture and processing of plastics (list of Soviet literature). *Plast. massy* no. 1:76-78 '63.
- BIBLIOGRAPHY—FINANCE**
Bookshelf. *Den. i kred.* 21 no. 1:92-95 Ja '63.
- BIBLIOGRAPHY—FOLK LITERATURE, CHINESE**
Union catalog of 'precious scrolls' [in Chinese] by Li Shih-yü. Reviewed by B. R. R. R. L. Kazakova. *E. Stukova. Nar. Az. i Afr.* no. 1:216-220 '63.
- BIBLIOGRAPHY—FOLKLORE**
Folklore and the Russian Soviet literature, 1956-1960; bibliographical materials. *M. I. A. Mol's. Rus. fol'k.* 7:382-402 '62.
- BIBLIOGRAPHY—FOOD INDUSTRY**
Literature and inventions in the field of the food industry. *Khleb, i kond. prom.* 7 no. 1:46-47 Ja '63.
- BIBLIOGRAPHY—FOREST MANAGEMENT**
Necessary and useful books; review of the works of Soviet foresters on foreign forest management. *A. F. Elizarov. Les, khoz.* 15 no. 9:91-92 S '62.
- BIBLIOGRAPHY—FOREST ROADS**
Moscow. *TSentral'naya nauchno-tekhnicheskaya biblioteka* [Izvestiya i bibliograficheskaya literatura. [What to read about the construction of logging roads; index of recommended Russian literature for 1958-1960] *Chto chitat' o stroitel'stve lesovoznykh dorog; rekomendatsii ukazatel' otechestvennoi literatury za 1958-1960 gg. Moskva, 1962. 32 p.*
- BIBLIOGRAPHY—FORESTS AND FORESTRY**
Pushkino. *Vsesoyuznyi nauchno-issledovatel'skiy institut lesovodstva i mekhanizatsii lesnogo khoz. i sel'sk. khoz.* [Bibliographical manual on the work of the All-Union Scientific-Research Institute of Forestry and the Mechanization of Forest Management, 1932-1962] *Bibliograficheski spravochnik rabot instituta, 1932-1962. Pushkino, 1962. 93 p.*
- BIBLIOGRAPHY—FORGING**
New books. *Kuz.-shtam, protzv.* 5 no. 1:46 Ja '63.
- BIBLIOGRAPHY—FOUNDATIONS**
Works on soil mechanics and foundation engineering published in 1960 and 1961. *D. E. Pol'shin. V. I. Rybakova. R. V. Serebriani. Osn. i fund. i mekhl. grun.* 4 no. 1:4 of cover '62.
- BIBLIOGRAPHY—GEOGRAPHY**
Popular books on geology and geography. *K. F. Petrov. Priroda* 52 no. 2:123-124 '63.
- BIBLIOGRAPHY—GEOLOGY**
Index of works published by the co-workers of the Institute of Geology of the Academy of Sciences of the U. S. S. R. *Uzb. geol. zhur.* 6 no. 6:64-64 '62.
Literature on geology received by the library of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U. S. S. R. during September 1962. *Izv. AN SSSR. Ser. geol.* 27 no. 12: 115-127 D '62.
Literature on geology received by the library of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U. S. S. R. during October, 1962. *Izv. AN SSSR. Ser. geol.* 28 no. 1:114-123 Ja '63.
Literature on geology received by the library of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U. S. S. R. during November 1962. *Izv. AN SSSR. Ser. geol.* 20 no. 2:109-117 F '63.
Literature on geology received by the library of the Department of Geological and Geographical Sciences of the Academy of Sciences of the U. S. S. R. during December 1962. *Izv. AN SSSR. Ser. geol.* 28 no. 3:105-115 Mr '63.
Popular books on geology and geography. *K. F. Petrov. Priroda* 52 no. 2:123-124 '63.

- BIBLIOGRAPHY—GERMANY, EAST**
[New literature on the German Democratic Republic]
Nov. lit. po Ger. Dem. Resp. no. 8 '62.
- BIBLIOGRAPHY—GLASS MANUFACTURE**
Book reviews and bibliography. Stek. i ker. 20 no. 2:48 F '63.
- BIBLIOGRAPHY—HEAT**
Contents of the international journal "Teplota i massopereenos." G. R. Mal'inskaya. Inzh. -fiz. zhur. 5 no. 12:130-131 D '62.
- BIBLIOGRAPHY—HISTORY**
Annotations. Prep. ist. v shkole 18 no. 1:111-113 Ja-F '63.
Annotations. Vop. ist. KPSS 7 no. 1:139-143 Ja '63.
Annotations. Vop. ist. KPSS 7 no. 2:140-145 F '63.
Articles published in Soviet historical periodicals. Vop. ist. 38 no. 2:167-170 F '63.
Articles published outside the U. S. S. R. on the history of communist parties. Vop. ist. KPSS 7 no. 2:145-146 F '63.
Bookshelf. Prep. ist. v shkole 17 no. 6:110-113 N-D '62.
Bookshelf. Prep. ist. v shkole 18 no. 1:113-116 Ja-F '63.
Contribution of the State Publishing House for Pedagogical Literature to history teachers in 1963. I. S. Savelyev. Prep. ist. v shkole 18 no. 1:109-110 Ja-F '63.
Foreign reviews of Soviet historical studies. Vop. ist. 38 no. 2:201-202 F '63.
Historical articles in periodicals published in socialist countries. Vop. ist. 38 no. 2:162-163 F '63.
Methodological literature and textbooks on history. V. V. Kurgalov. Voch. sred. shkola 5 no. 6:86-87 N-D '62.
New books. Vop. ist. 38 no. 2:2-3 of cover F '63.
New books. Vop. ist. 38 no. 2:165-167 F '63.
[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 no. 3 Mr '63.
[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. no. 12 '62.
[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. no. 11 '62.
Source materials and articles on the history of the CPSU and the international communist and labor movement published in September-October 1962 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS 7 no. 1:145-149 Ja '63.
- BIBLIOGRAPHY—HISTORY, MODERN**
Books, source materials, and articles in the field of modern and recent history published in the U. S. S. R. in 1961 (conclusion). Nov. i noveish. ist. no. 6:173-175 '62.
Studies which will be published by the Institute of International Relations in 1963. A. Akhmanzian. Nov. i noveish. ist. no. 6:181-182 '62.
- BIBLIOGRAPHY—HORSES**
Moscow. Moskovskaya sel'skokhozyaistvennaya akademiya imeni K. A. Timiriazeva. Muzei konovodstva. [Literature on the biology of horses, asses, and mules, horse raising, and equestrian sports, published in the U. S. S. R. in 1917-1961; classified index] Literatura po biologii ioshadi, osla i mula, po konovodstvu i konnomu sportu, izdannaya v SSSR v 1917-1961 gg.; sistematicheskii ukazatel'. Moskva, 1962. 653 p.
- BIBLIOGRAPHY—HUMAN ENGINEERING**
Survey of foreign literature on human engineering in 1961. A. I. Nazarov. Vop. psikh. no. 8:173-180 N-D '62.
- BIBLIOGRAPHY—HYDROLOGY**
Akchurina, R. M., and Il'ich, O. Bibilo. [Climate and continental waters in the southeastern area of the European part of the U. S. S. R.; bibliography] Klimat i vody sush. i morya Evropeiskoi chasti SSSR; bibliograficheski ukazatel'. Saratov, Izd-vo Saratovskogo univ., 1961. 287 p. (Saratov. Universitet. Nauchnaya biblioteka. Bibliografiya Saratovskoi oblasti, no. 5)
Literature on meteorology and hydrology in 1962. Meteor. i gidrol. no. 2:56-59 F '63.
- BIBLIOGRAPHY—HYDROLYSIS**
From scientific and technical journals, Gidroliz. i lesozhim. prom. 16 no. 1: inserts of cover 1 and 2 '63.
- BIBLIOGRAPHY—ILLUMINATION OF BOOKS AND MANUSCRIPTS**
Bibliographical description of the illumination of old Russian manuscripts. E. L. Nemirovskii. Vop. arkh. 7 no. 3:124-127 Ji-S '62.
- BIBLIOGRAPHY—INDUSTRIAL MANAGEMENT**
Readers' conference in Volgograd. L. Samoilov. Plan. khoz. 40 no. 3:93-95 Mr '63.
- BIBLIOGRAPHY—INDUSTRIAL SAFETY**
New books. Bezop. truda v prom. 7 no. 2:36 F '63.
- BIBLIOGRAPHY—INLAND WATER TRANSPORTATION**
In aid to a ship's captain. Rech. transp. 22 no. 1:53 Ja '63.
- BIBLIOGRAPHY—INSTRUMENTS**
Articles from periodicals. Prihorostroyenie no. 1:3 of cover Ja '63.
New books. Prihorostroyenie no. 1:31-32 Ja '63.
- BIBLIOGRAPHY—INTERNATIONAL RELATIONS**
[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 no. 3 Mr '63.
- BIBLIOGRAPHY—ISOTOPES**
Akademiya nauk SSSR. Sektor seti spetsial'nykh bibliotek. [Bibliography on the use of radioactive and stable isotopes in biology for 1950-1958] Ukazatel' literaturny po primeneniya radioaktivnykh i stabil'nykh izotopov v biologii za 1950-1958 gg. Moskva, Izd-vo Akad. nauk SSSR, 1962. 406 p.
- BIBLIOGRAPHY—KAZAN UNIVERSITY**
Kazan. Nauchnaya biblioteka imeni N. I. Lobachevskogo. [Classified index of articles in the periodical publications of Kazan University, 1815-1947, excepting "Uchenye zapiski," "Izvestiya obshchestva arkheologii, istorii i etnografii," and "Kazanskoe izvestiye." Sistematicheskii ukazatel' statei k periodicheskim izdaniyam Kazanskogo ordena Trudovogo Krasnogo Znameni gosudarstvennogo universiteta im. V. I. Ul'yanova-Lenina, 1815-1947 gg.; krome "Uchenykh zapisek," "Izvestii obshchestva arkheologii, istorii i etnografii" i "Kazanskikh izvestii." Sost. E. M. Mishina. Kazan', 1960. 279 p.
- BIBLIOGRAPHY—LABOR AND LABORING CLASSES**
New books. Sots. trud 8 no. 1:155-159 Ja '63.
New books. Sots. trud 8 no. 2:158-159 F '63.
- BIBLIOGRAPHY—LABOR PRODUCTIVITY**
New books. Sots. trud 7 no. 6:156-159 Je '62.
- BIBLIOGRAPHY—LANGUAGE AND LANGUAGES**
[New foreign literature on linguistics] Nov. inostr. lit. po laz. nos. 10-11 '62.
[New Soviet literature on linguistics] Nov. sov. lit. po laz. nos. 10-12 '62.
- BIBLIOGRAPHY—LAW**
Bibliography. Rad. pravo no. 5:158-160 S-O '62.
- BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924**
New publications on the leader. I. Krasnoperov. Koop. Kazakh. 5 no. 4:11 Ap '62.
- BIBLIOGRAPHY—LITERATURE**
[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social Sciences, belles-lettres, art] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 6 nos. 7-8 Mr '63.
[Literature and art of the peoples of the U. S. S. R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 1 '63.
- BIBLIOGRAPHY—MACHINE ACCOUNTING**
New books on statistics and accounting. G. Ailutin. Vest. stat. no. 2:84-85 '63.
- BIBLIOGRAPHY—MACHINE TOOLS**
Books, periodicals. Stan. i instr. 34 no. 1:46-47 Ja '63.
- BIBLIOGRAPHY—MAKARENKO, ANTON SEMENOVICH, 1888-1939**
A. S. Makarenko. Kal. znam. i pam. dat. 8 no. 3:35-38 Mr '63.
- BIBLIOGRAPHY—MARINE ENGINEERING**
Design and operation of marine engines and boilers. Sudostroyenie 20 no. 2:17, 37 F '63.
Ship systems and devices. Sudostroyenie 20 no. 2:65 F '63.
Technology of shipbuilding and marine engineering. Sudostroyenie 20 no. 2:53 F '63.
- BIBLIOGRAPHY—MASS TRANSFER**
Contents of the international journal "Teplota i massopereenos." G. R. Mal'inskaya. Inzh. -fiz. zhur. 5 no. 12:130-131 D '62.
- BIBLIOGRAPHY—MATHEMATICS**
Defense of dissertations in mathematics in 1962. N. I. Morokovina. Usp. mat. nauk 18 no. 1:242-250 Ja-F '63.
New books on mathematics. Usp. mat. nauk 18 no. 1: 251-254 Ja-F '63.
- BIBLIOGRAPHY—MEASURING INSTRUMENTS**
From periodicals. Izv. tekhn. no. 1:64 Ja '63.
- BIBLIOGRAPHY—MECHANICAL ENGINEERING**
From foreign periodicals, June 1962. Mekh. i avtom. proizv. 17 no. 1:63-64 and 3 of cover. Ja '63.
From Soviet periodicals, December 1962. Mekh. i avtom. proizv. 17 no. 1:61-63 Ja '63.
New books. Mashinostroyitel' no. 1:47-48 Ja '63.
New books. Mekh. i avtom. proizv. 17 no. 1:60 Ja '63.
New books. Vest. mashinost. 43 no. 1:94-95 Ja '63.
Review of foreign periodicals. Vest. mashinost. 43 no. 1:95-96 Ja '63.
- BIBLIOGRAPHY—MEDICAL JURISPRUDENCE**
The State Publishing House for Medical Literature is preparing these books for 1963 publication. Sud.-med. ekspert. 6 no. 1:2-4 of cover Ja-Mr '63.
- BIBLIOGRAPHY—MEDICINE**
Books being sold. Sov. zdrav. 22 no. 2:3-4 of cover '63.
[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'-khoz. nauki 6 nos. 5, 7-8 F-Mr '63.
New books. Sov. zdrav. 22 no. 2:74 '63.
New books. Zdrav. Kazakh. 22 no. 1:78-79 '62.
[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., i sel'-khoz. 7 nos. 2-3 F-Mr '63.
One hundred and eighteen dissertations of the institute [in Georgian with summary in Russian]. I. I. Nikobadze. Trudy Tbil. GIDU 6:49-57 '62.
- BIBLIOGRAPHY—METALS**
New books. Metalloved. i term. obr. met. no. 1:3 of cover Ja '63.
- BIBLIOGRAPHY—METEOROLOGY**
Literature on meteorology and hydrology in 1962. Meteor. i gidrol. no. 2:56-59 F '63.
- BIBLIOGRAPHY—MILITARY ART AND SCIENCE**
New studies on the history of wars and military art. Voen. ist. zhur. vol. 5 no. 1:120-122 Ja '63.
- BIBLIOGRAPHY—MILITARY HISTORY**
New studies on the history of wars and military art. Voen. ist. zhur. vol. 5 no. 1:120-122 Ja '63.
Studies on military history published in Soviet periodicals. Voen. ist. zhur. vol. 5 no. 1:123 Ja '63.
- BIBLIOGRAPHY—MILKING**
Saddle the steel horse! Kul't.-pros. rab. 23 no. 10: 8-10 O '62.
- BIBLIOGRAPHY—MINING ENGINEERING**
New books on mining; foreign periodical literature. Gor. zhur. no. 2:3 of cover F '63.
- BIBLIOGRAPHY—MINING GEOLOGY**
New books on mining; foreign periodical literature. Gor. zhur. no. 2:3 of cover F '63.
- BIBLIOGRAPHY—MOSCOW—CONSTRUCTION INDUSTRY**
Index to the articles published in "Gorodskoe khozyaistvo Moskvy" during 1962. Gor. khoz. Mosk. 36 no. 12:38-40 D '62.
- BIBLIOGRAPHY—MOTOR VEHICLES**
New books. Avi. transp. 41 no. 2:63 F '63.
- BIBLIOGRAPHY—MUNICIPAL SERVICES**
New books. Gor. khoz. Mosk. 36 no. 12:34 D '62.
- BIBLIOGRAPHY—NATIONALITIES**
Splendid banners of fraternal peoples. H. Popov, V. Sukhorukov. Sots. kul't. no. 2:38-39 F '63.
- BIBLIOGRAPHY—NAVAL ARCHITECTURE**
Design and operation of ships. Sudostroyenie 20 no. 2: 11 F '63.
- BIBLIOGRAPHY—NONFERROUS METALS**
New technical publications. TSvet. met. 36 no. 2:95-96 3 of cover, F '63.
- BIBLIOGRAPHY—NUCLEAR RESEARCH**
New literature. Atom. energ. 14 no. 3:337-343 Mr '63.
- BIBLIOGRAPHY—OILS AND FATS**
Review of journal articles on oil, perfumery and cosmetics industries. Masl. -zhir. prom. 20 no. 1:41-42 Ja '63.
- BIBLIOGRAPHY—ONCOLOGY**
List of works of the staff members of the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian SSR and of the Department of Roentgenoradiology of the Eriyan Medical Institute published in 1961. Vop. rent. i onk. 8:355-359 '61.

BIBLIOGRAPHY—PAINTINGS—CONSERVATION AND RESTORATION

Moscow. Vsesoluznaia tsentral'naiia nauchno-issledovatel'skaiia laboratoria po konservatsii i restavratsii muzeinykh khudozhestvennykh tsennostei. [Bibliography on problems of conservation and restoration of art works and cultural monuments] Bibliograficheski ukazatel' literatury po voprosam konservatsii i restavratsii proizvedenii iskusstva i pamiatnikov kul'tury. Moskva.

No. 1, pts. 1/2. 1961. 135 p. (Iz Soobshchenii, no. 5)

BIBLIOGRAPHY—PARIS—COMMUNE, 1871

Paris Commune Day. Kal. znani. i pam. dat. 8 no. 3: 36-43 Mr '63.

BIBLIOGRAPHY—PEAT

Leningrad. Vsesoluznyi nauchno-issledovatel'skii institut torfianoi promyshlennosti. Moskovskii filial. [Bibliographic index of literature on peat] Bibliograficheski ukazatel' literatury po torfu. Moskva, Gosenergizdat.

Vol. 3. 1956-1960 gg. 1962. 183 p.

BIBLIOGRAPHY—PHILOSOPHY

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 no. 3 Mr '63.

[New foreign literature on philosophy] Nov. inostr. lit. po filos. no. 11 '62.

[New Soviet literature on philosophy] Nov. sov. lit. po filos. no. 12 '62.

BIBLIOGRAPHY—PHYSICS

New books on physics. T. O. Vredin-Kobetskaia. Usp. fiz. nauk 78 no. 2:369-378 F '63.

BIBLIOGRAPHY—PHYSICS—STUDY AND TEACHING

In the Publishing House of the Academy of Pedagogical Sciences of the R.S.F.S.R. V. V. Pankov. Fiz. v shkole 22 no. 6:104 N-D '62.

BIBLIOGRAPHY—PLASTICS

New developments in foreign science and technology. Kauch. i rez. 22 no. 2:55-57 F '63.

BIBLIOGRAPHY—PLASTICS INDUSTRY—SAFETY MEASURES

Safety measures and factory sanitation in the manufacture and processing of plastics (list of Soviet literature). Plast. massy no. 1:70-78 '63.

BIBLIOGRAPHY—POLAROGRAPHY

Akademii nauk SSSR. Moldavskii filial. Nauchnaia biblioteka. [Polarography; index of literature on polarographic study methods, 1950-1957] Polarografiia; ukazatel' literatury po polarograficheskim metodam issledovaniia, 1950-1957 gg. Kishinev, 1960. 72 p.

BIBLIOGRAPHY—POLYMERS

New literature on polymeric materials. Plast. massy no. 2:58-60 '63.

BIBLIOGRAPHY—POWER ENGINEERING

Literature on power engineering in foreign countries. Teploenergetika 10 no. 2:94-96 F '63.

BIBLIOGRAPHY—PRINTING INDUSTRY

Books for printers. A. E. Mil'chm. Poligr. proizv. no. 11:31-32 N '62.

BIBLIOGRAPHY—PRODUCTION STANDARDS

New books. Sots. trud 8 no. 1:155-156 Ja '63.

BIBLIOGRAPHY—PSYCHOLOGY

Bibliography of the works of the Institute of Psychology of the Academy of Sciences of the Georgian S.S.R. Trudy Inst. psikh. AN Gruz. SSR 13:257-262 '62. New books of the Publishing House of the Academy of Pedagogical Sciences of the R.S.F.S.R.; 1963. Vop. psikh. no. 6:157-159 N-D '62.

BIBLIOGRAPHY—RADIO

Bibliography. Elektrosviaz' 17 no. 1:77-3 of cover Ja '63.

New books. Radiotekhnika 18 no. 1: p. 3 of cover Ja '63.

Radio amateur literature from the publishing house of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy. G. Goncharenko. Radio no. 2: 53 F '63.

Recommended literature on radio in 1963. A. Smirnov. Radio no. 2:62-63 F '63.

BIBLIOGRAPHY—RADIOBIOLOGY

Akademii nauk SSSR. Sektor soli spetsial'nykh bibliotek. [Bibliography on the use of radioactive and stable isotopes in biology for 1950-1958] Ukazatel' literatury po primeneniiu radioaktivnykh i stabil'nykh izotopov v biologii za 1950-1958 gg. Moskva, Izd-vo Akad. nauk SSSR, 1962. 406 p.

BIBLIOGRAPHY—RADIOLOGY, MEDICAL

List of works of the staff members of the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian SSR and of the Department of Roentgenoradiology of the Erevan Medical Institute published in 1961. Vop. rent. i onk. 6:355-359 '61.

BIBLIOGRAPHY—RAILROADS—ELECTRIC EQUIPMENT

Books on automatic control, remote control, and communications. Avtom., telem. i sviaz' 7 no. 3:48 Mr '63.

BIBLIOGRAPHY—RAILROADS—ELECTRONIC EQUIPMENT

Books on automatic control, remote control, and communications. Avtom., telem. i sviaz' 7 no. 1:46 Ja '63.

BIBLIOGRAPHY—RAILROADS—SIGNALING

Books on automatic control remote control and communications. Avtom., telem. i sviaz' 6 no. 7:48 J1 '62.

Books on automatic control, remote control, and communications. Avtom., telem. i sviaz' 7 no. 1:46 Ja '63.

Books on automatic control, remote control, and communications. Avtom., telem. i sviaz' 7 no. 3:48 Mr '63.

BIBLIOGRAPHY—REFRACTORY MATERIALS

Bibliography. Ogneupory 28 no. 3:143-144 '63.

BIBLIOGRAPHY—RELIGION

Antireligious books for children. N. Pavlova. Kul't.-pros. rab. 23 no. 9:49 S '62.

Atheists' study group. G. Suglov. Kul't.-pros. rab. 23 no. 8:53-55 Ag '62.

New books. Nauka i rel. 4 no. 1:53 Ja '63.

[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. nos. 3, 9-10 '62.

The truth about religion. A. Guseva, I. Kernes. Klub 12 no. 8:30-32 Ag '62.

BIBLIOGRAPHY—REVOLUTIONISTS

At the sources of the revolution. M. Nepriakhin. V mire knig 2 no. 10:3-4 O '62.

BIBLIOGRAPHY—ROAD CONSTRUCTION

From technical periodicals. Avi. dor. 25 no. 8:32 Ag '62.

BIBLIOGRAPHY—RUBBER

New developments in foreign science and technology. Kauch. i rez. 22 no. 2:55-57 F '63.

BIBLIOGRAPHY—RUBBER INDUSTRY

Articles on rubber published during the first half of 1962. Kauch. i rez. 22 no. 2:59-63 F '63.

BIBLIOGRAPHY—RUMANIA

[New literature on Rumania] Nov. lit. po Rum. no. 12 '62.

BIBLIOGRAPHY—RURAL ELECTRIFICATION

New books. Tekh. v sel'khoz. 22 no. 7:40 J1 '62.

BIBLIOGRAPHY—RUSSIA—BIOGRAPHY

Fighters for communism. M. Gubareva. Klub 12 no. 1:26-27 Ja '63.

BIBLIOGRAPHY—RUSSIA—ECONOMIC POLICY

Economic construction. Building and developing the material and technological basis of communism. A survey of literature. N. Molchanova. Klub 11 no. 4:31-32 Ap '62.

BIBLIOGRAPHY—RUSSIA—HISTORY

Annotations. Vop. arkh. 7 no. 3:127-128 J1-S '62.

"Bibliography of Russian chronicles." Reviewed by N. Gudzh. Vop. lit. 6 no. 12:185-187 D '62.

Propagandist's bookshelf. Agitator no. 2:63 Ja '63.

A review of new books. Ist. arkh. 8 no. 6:176-180 N-D '62.

BIBLIOGRAPHY—RUSSIA—INVASION OF 1912

Heroic exploits in the name of the Motherland. P. Zhi-lin. V mire knig 2 no. 9:4-6 Ag '62.

BIBLIOGRAPHY—RUSSIA—LITERATURES

[Soviet literature, 1961; a recommended reading list] Sovetskaiia literatura, 1961; rekomendateli'nyi ukazatel', Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1962. 170 p. (Novinki khudozhestvennoi literatury)

BIBLIOGRAPHY—RUSSIA—POLITICS AND GOVERNMENT

On the eve of the elections of the supreme soviets of the Union and autonomous republics and local soviets of the workers' deputies. Kal. znani. i pam. dat. 8 no. 3:11-14 Mr '63.

BIBLIOGRAPHY—RUSSIA—REVOLUTION, 1917-1921

Literature on the Great October Revolution. Polk. samobor. 6 no. 10:144 O '62.

BIBLIOGRAPHY—RUSSIA—SOCIAL CONDITIONS

On public initiative. A. Mogilev, L. Ter-Saakiant. V mire knig 2 no. 8:23 Ag '62.

BIBLIOGRAPHY—RUSSIAN LITERATURE

Folklore and the Russian Soviet literature, 1956-1960; bibliographical materials. M. I. A. Mel'us. Rus. fol'k. 7:382-402 '62.

Library poster. L. Malkova. Klub 11 no. 5:24-25 My '62.

BIBLIOGRAPHY—RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

The Seventh Congress of the Russian Social Democratic Party. Kal. znani. i pam. dat. 8 no. 3:23-26 Mr '63.

BIBLIOGRAPHY—SANITARY ENGINEERING

Bibliography. Vod. i san. tekhn. no. 1:38-39 Ja '63.

List of literature with summaries. Vod. i san. tekhn. no. 2:13 of cover F '63.

BIBLIOGRAPHY—SATIRE

New measure of exactness. Ivan Zuh. V mire knig 2 no. 10:38 O '62.

BIBLIOGRAPHY—SCIENCE

[American technical books] Amerikanskaiia tekhnicheskaiia kniga. [n.p. 1963] 71 p.

[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. blul. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 1: Fiz. -mat., khim. i geol. -geog. nauki; tekhn. i tekhn. nauki 8 nos. 7-8 Mr '63.

New books and articles. E. M. Braverman. Fiz. v shkole 22 no. 6:84-96 N-D '62.

[New foreign books. Series A: Mathematics, mechanics, astronomy, physics, geophysics, chemistry, geology] Nov. knigi za rub. Ser. A: Mat., mekh., astron., fiz., geofiz., khim., geol. 16 nos. 2-3 F-Mr '63.

Writers and science. Gennadii Gor. V mire knig 2 no. 8:11-12 Ag '62.

BIBLIOGRAPHY—SEED PRODUCTION

Seeds are a guarantee of the harvest. V. Zameta. V mire knig 2 no. 8:22 Ag '62.

BIBLIOGRAPHY—SHIP HANDLING

Design and operation of ships. Sudostroenie 29 no. 2: 11 F '63.

BIBLIOGRAPHY—SHIPBUILDING

Shipbuilding in foreign countries. Sudostroenie 29 no. 2: 81 F '63.

Technology of shipbuilding and marine engineering. Sudostroenie 29 no. 2:53 F '63.

BIBLIOGRAPHY—SOCIAL SCIENCES

Bookshelf. Prep. ist. v shkole 18 no. 1:113-116 Ja-F '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. blul. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 6 nos. 7-8 Mr '63.

BIBLIOGRAPHY—SOFT DRINKS

From pages of newspapers. Spirt. prom. 20 no. 1:46-47 '63.

[Tsentral'naiia nauchno-tekhnicheskaiia biblioteka pishchevoi promyshlennosti. [Automation and mechanization of production processes in the brewing and soft drinks industry; brief index of literature] Avtomatizatsiia i mekhanizatsiia proizvodstvennykh protsessov v pivovarennoi i bezalkogol'noi promyshlennosti; kratkii spisok literatury. Moskva, 1962. 47 p. (V pomoshch' novatoru)]

BIBLIOGRAPHY—SOIL MECHANICS

Works on soil mechanics and foundation engineering published in 1960 and 1961. D. E. Pol'shin, V. I. Rybakova, R. V. Serobrianti. Osn., fund. i mekh. gran. 4 no. 1:4 of cover '62.

BIBLIOGRAPHY—SOILS

Bibliography. Pochvovedenie no. 1:114-125 Ja '63. Bibliography. Pochvovedenie no. 12:104-114 D '62.

BIBLIOGRAPHY—SONGS

New Year melodies. Kul't.-pros. rab. 23 no. 10:40 O '62.

BIBLIOGRAPHY—SPACE FLIGHT

New books. Av. i kosm. 45 no. 2:90-91 F '63. Space age. T. Borisova. V mire knig 2 no. 10:9 O '62.

BIBLIOGRAPHY—STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938

In honor of K. S. Stanislavskii's anniversary. Teatr 24 no. 1:70-71 Ja '63.

BIBLIOGRAPHY—STATISTICS

New books on statistics and accounting. G. Alintin. Vest. stat. no. 2:84-85 '63.

BIBLIOGRAPHY—STOCK AND STOCKBREEDING

Be on friendly terms with science! V mire knig 2 no. 10: 18-19 O '62.

BIBLIOGRAPHY—SURVEYING

Bibliography. Geod. i kart. no. 1:79-80 Ja '63. Bibliography. Geod. i kart. no. 12:70-73 D '62.

BIBLIOGRAPHY—SYNTHETIC PRODUCTS

Lithuanian S.S.R. Liaudies uke taryba. Centrine Mokslu-technine biblioteka, Vilna. [Use of synthetic materials in light industry; bibliography] Sintetiniu medziagu panaudojimas lengvojoje pramonėje; bibliografinė rodyklė. Primenimo sintetinės medžiagos vartojimo pramonėje; bibliografinės rodyklės. Vilnius, 1962, 60 p.

BIBLIOGRAPHY—TECHNOLOGICAL INNOVATIONS

From foreign periodicals, July 1962. Mekh. i avtom. prozv. 17 no. 2:63-3 of cover F '63.
From Soviet periodicals, January 1963. Mekh. i avtom. prozv. 17 no. 2:61-63 F '63.
In the world of science and technology; developments in foreign countries. Prom. Arm. 5 no. 12:67-68 D '62.
In the world of science and technology; developments in the U.S.S.R. Prom. Arm. 5 no. 12:65-66 D '62.
New books. Mekh. i avtom. prozv. 17 no. 2:59-60 F '63.

BIBLIOGRAPHY—TECHNOLOGY

[American technical books] Amerikanskata tekhnicheskaya kniga. [n.p. 1963] 71 p.

For workers in popular occupations. V mire knig 2 no. 8:19-20 Ag '62.
[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. biul. nov. mostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: Fiz., mat., khim. i geol.-geog. nauki; tekhn. i tekhn. nauki 8 nos. 7-8 Mr '63.
[New foreign books. Series B: Technology] Nov. knigi za rub. Ser. B: Tekhn. 7 no. 3 Mr '63.

BIBLIOGRAPHY—TELECOMMUNICATION

Bibliography. Elektrosviaz' 17 no. 1:77-3 of cover Ja '63.

BIBLIOGRAPHY—TEXTILE INDUSTRY

Brief review of the new developments in foreign technology. Tekst. prom. 23 no. 1:87-89 Ja '63.
What to read on the new and modernized equipment for the textile industry. Tekst. prom. 23 no. 1:91-92 Ja '63.

BIBLIOGRAPHY—THERMOELECTRICITY

Zhuze, V. P., and E. I. G. senkova. [Bibliography on thermoelectricity; thermoelectric generators and coolers] Bibliografiya po termoelektricheskuyu; termoelektricheskuyu i okhlazhdatel'skuyu ustroystva. Moskva, Izd-vo Akad. nauk SSSR, 1963, 249 p.

BIBLIOGRAPHY—TOGLIATTI, PALMIRO, 1893-

Palmito Togliatti. Kal. znam. i pam. dat. 8 no. 3:44-48 Mr '63.

BIBLIOGRAPHY—TRADE UNIONS

Library poster. M. Sekundo. Klub 11 no. 4:25-26 Ap '62.

BIBLIOGRAPHY—TRANSPORTATION, AUTOMOTIVE

Literature for highway-transport workers. V. Klennikov. Avt. transp. 41 no. 1:63-64 Ja '63.

BIBLIOGRAPHY—UKRAINIAN LITERATURE

On the rise. K. Volynskii. V mire knig 2 no. 10:26-27 O '62.

BIBLIOGRAPHY—UKRAINIAN POETRY

Poetry does not sleep. Valentina Lysenko. V mire knig 2 no. 10:33-35 O '62.

BIBLIOGRAPHY—UZBEK LITERATURE

Books are published in Moscow... Uzbekiston 22 no. 1:19 Ja '63.

BIBLIOGRAPHY—UZBEK STUDIES

Bibliographical index of studies in the fields of archaeology, history, ethnography, philosophy, and law of Uzbekistan published in 1961. B. V. Lunin. Obshchestv. nauki v Uz. 6 no. 12:42-69 '62.

BIBLIOGRAPHY—VEGA CARPIO, LOPE FELIX de, 1562-1635

Moscow. Vsesoiuznaya gosudarstvennaya biblioteka inostrannoi literatury. [Lope de Vega; bibliography of Russian translations and critiques in Russian, 1735-1961] Lope de Vega; bibliografiya russkikh perevodov i kriticheskoi literatury na russkom iazyke, 1735-1961. Moskva, Izd-vo Vsesoiuznoi knizhnoi palaty, 1962, 137 p.

BIBLIOGRAPHY—VERNADESKII, VLADIMIR IVANOVICH, 1863-1945

V. I. Vernadskii. Kal. znam. i pam. dat. 8 no. 3:32-34 Mr '63.

BIBLIOGRAPHY—VETERINARY MEDICINE

New books on veterinary medicine. Veterinarlia 37 no. 7:89-90 Ji '60.
New books on veterinary medicine. Veterinarlia 37 no. 11:94 N '60.
New books on veterinary medicine. Veterinarlia 38 no. 10:91-92 O '61.

BIBLIOGRAPHY—VOCATIONAL EDUCATION

Bibliography. V. Shurekovskii, N. Naumov, F. Gavrilchikov. Prof.-tekh. obr. 19 no. 11:29 N '62.

BIBLIOGRAPHY—WAGES

New books. Sots. trud 7 no. 6:158-159 Je '62.

BIBLIOGRAPHY—WATER-SUPPLY ENGINEERING

Bibliography. Vod. i san. tekhn. no. 1:38-39 Ja '63.

BIBLIOGRAPHY—WELDING

Foreign publications on welding. Svar. prozv. no. 1: 48 Ja '63.
Foreign publications on welding. Svar. prozv. no. 2: 47-48 F '63.
Soviet inventions in welding. Svar. prozv. no. 1:48 Ja '63.
Soviet publications on welding. Svar. prozv. no. 1:46-48 Ja '63.
Soviet publications on welding. Svar. prozv. no. 2:46-47 F '63.

BIBLIOGRAPHY—WOMEN

International Women's Day. Kal. znam. i pam. dat. 8 no. 3:27-31 Mr '63.

BIBLIOGRAPHY—WOOD—CHEMISTRY

From scientific and technical journals. Gidroliz. i lesozhim. prom. 16 no. 1:inserts of cover 1 and 2 '63.

BIBLIOGRAPHY—WOOD-USING INDUSTRIES

[Literature on forest and paper industries] Lit. po les. i bum. prom. nos. 64-65 '62.

BIBLIOGRAPHY—WOODPULP INDUSTRY

From foreign journals. Bum. prom. 38 no. 1:34 Ja '63.
From foreign journals. Bum. prom. 38 no. 2:36 F '63.
Useful books and articles for the workers in the wood-pulp and paper industry. Bum. prom. 38 no. 1:3-4 of insert Ja '63.

BIBLIOGRAPHY—WOODWORKING INDUSTRIES

Moscow. Tsentral'naya nauchno-tekhnicheskaya biblioteka imeni I. bumazhnai promyshlennosti. [Manufacture of wood containers; bibliographical index of domestic and foreign literature from 1947 to 1959] Proizvodstvo dereviannoi tary; bibliograficheski ukazatel' otechestvennoi i inostrannoi literatury za 1947-1959 gg. Moskva, 1960, 107 p.

BIBLIOGRAPHY—WORLD POLITICS

What the "Znanie" Publishing House is preparing for readers. IA. Lazurin. Az. i Afr. seg. no. 2:58-59 F '63.

BICILLIN

Bicillin against canine distemper. N. G. Logishinets. Veterinarlia 38 no. 10:80 O '61.

BICYCLOHEPTANE

Some derivatives of bicyclo-(2, 2, 1)-heptane with a dichlorocyclopropyl group. A. F. Plate, O. A. Shcherbakova. Neftekhimlia 3 no. 1:35-39 Ja-F '63.

BICYCLOHEPTANE—ABSORPTION SPECTRA

Vibrational spectra of some endo- and exoderivatives of the series bicyclo (2, 2, 1) heptane and bicyclo (2, 2, 1) -2-heptene. V. T. Aleksanian and others. Zhur. strukt. khim. 4 no. 1:28-30 Ja-F '63.

BICYCLOHEPTENE

Isomerization of hydrocarbons of the bicyclo-(2, 2, 1)-heptene series in the presence of silica gel. A. F. Plate, E. M. Khil'vitskaia. Neftekhimlia 3 no. 1:40-47 Ja-F '63.

BILE

Bile flow into the intestine following the resection of the cardinal portion of the stomach preserving the right vagus nerve. I. I. Tiukalov. Khim. khir. no. 12:49-54 D '62.

Effect of apple juice on bile secretion [with summary in English]. A. G. Kondilenko. Vrach. delo no. 11:16-20 N '62.

Effect of medication sleep on bile secretion and the quantity of bilirubin [in Georgian with summary in Russian]. N. V. Petriashvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:289-297 '62.

BILE DUCTS—DISEASES

Diagnosis and treatment of spasm and stenosis of Oddi's sphincter [with summary in English]. N. A. Zakharov. Sov. med. 26 no. 12:17-22 D '62.

BILE DUCTS—SURGERY

Diagnosis and treatment of spasm and stenosis of Oddi's sphincter [with summary in English]. N. A. Zakharov. Sov. med. 26 no. 12:17-22 D '62.

BILIARY TRACT—ABNORMALITIES AND DEFORMITIES

Atresia of the biliary tract in infants [with summary in English]. M. N. Stepanova, V. K. Odnokova. Vest. khir. 60 no. 11:100-107 N '62.

BILIARY TRACT—CALCIFICATION

Differential diagnosis of calcification of the gall bladder and the biliary tracts. E. M. Arutunian. Vop. rent. i onk. 6:77-83 '61.

BILIARY TRACT—DISEASES

Data on the study of some functions of the liver in diseases of the gallbladder and biliary tract. [in Georgian with summary in Russian]. F. V. Shotadze. Trudy Tbil. GIDUV 6:319-326 '62.

BILIARY TRACT—RADIOGRAPHY

Diagnostic possibilities of intravenous cholangiography in the detection of diseases of the biliary tract and gall bladder [with summary in English]. S. M. Mikirumov, G. I. Varnovitskii, K. F. Smirnova. Sov. med. 26 no. 12:25-28 D '62.

BILIARY TRACT—SURGERY

Surgical treatment of cholecystitis [with summary in English]. E. V. Smirnov. Vest. khir. 60 no. 11:33-41 N '62.

BILIRUBIN

Adsorbed bilirubin fraction as a prognostic index in infectious hepatitis. I. K. Musabaev, M. IA. Lereamov, D. M. Guseva. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:81-87 '62.

Effect of medication sleep on bile secretion and the quantity of bilirubin [in Georgian with summary in Russian]. N. V. Petriashvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:289-297 '62.

Interrelation between acobit and bilirubin fluctuations in the blood serum of infectious hepatitis patients. H. N. Nugmanova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3: 44-49 '62.

Interrelation between the copper content and that of bilirubin in the blood serum of children suffering from Botkin's disease. B. S. Burkhanov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:59-61 '62.

BINARY FORMS see Forms, Binary

BINDING MATERIALS

Obtaining binding materials for wood particle boards on the basis of wood tar phenols. V. N. Kozlov, I. P. Kolenko. Trudy Inst. khim. UTAN SSSR no. 6:71-78 '61.

BINDING MATERIALS—STANDARDS

"Inorganic binding materials and additives for concrete and mortars." Biul. stroit. tekhn. 20 no. 2:3-4 F '63.

BINDING MATERIALS—TESTING see subdivision under Armenia

BIOCHEMISTRY

Iakovlev, V. G. [Lactation biochemistry] Biokhimiia i klin. khim. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962, 229 p.

Kuzin, A. M. [Radiation biochemistry] Radiatsionnaya biokhimiia. Moskva, Izd-vo Akad. nauk SSSR, 1962, 333 p.

Orekhovich, V. N., ed. [Chemical foundations of the processes of vital activity] Khimicheskie osnovy protsessov zhiznedeiatel'nosti. Moskva, Medgiz, 1962, 330 p.

BIOCHEMISTRY—ABSTRACTS

[Biochemistry] Ref. zhur.: Biol. khim. nos. 1-7 Ja-Apr '63.

BIOCHEMISTRY—LABORATORY MANUALS

Pekhtorova, S. I. [Manual on laboratory exercises in biological chemistry for students of medical schools] Rukovodstvo k prakticheskim zaniatiyam po biologicheskoi khimii dlia studentov meditsinskikh institutov. Pod red. L. M. Broudo. Moskva, I-I Mosk. med. Ia-1 im. I. M. Sechenova, 1963, 216 p.

BIOCHINOL

Treatment with biochinol of dogs infected with myelitis. S. S. Kotov. Veterinarlia 37 no. 7:44 Ji '60.

BIOLOGICAL RESEARCH

New stage in the development of biological sciences. V. L. Kretovich. Vest. vys. shkoly 21 no. 2:3-6 F '63.

BIOLOGY

Biology and Soviet farming. M. Ojshanskii. Kommunist 39 no. 4:14-26 Mr '63.

"Development of general biology problems in Russia: first part of the 10th century" by S. R. Mikulinskii. Reviewed by A. D. Sukhov. Biol. v shkole no. 6:89-91 N-D '62.

Measures for further development of biological science and the strengthening of its ties with practice. Vop. ikht. 3 no. 1:3-6 '63.

BIOLOGY—ABSTRACTS

[Biology] Ref. zhur.: Biol. nos. 3-5 F-Mr '63.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—CONGRESSES

Biologists on the intraspecific relations between organisms. G. B. Mel'nikov. Vest. vys. shkoly 21 no. 2:66 F '63.

New developments in biology; a conference of young scientists at the Faculty of Biology and Soil Science. A. S. Batuev, A. A. Nitsenko. Vest. LGU 18 no. 3:151-165 '63.

- BIOLOGY—PHILOSOPHY**
First lessons on the fundamentals of Darwinism. E. V. Pershanina. Biol. v shkole no. 6:39-42 N-D '62.
- IUGAI, G. A.** [Problems of the integrity of the organism; a philosophical analysis] Problema tselostnosti organizma; filosofskii analiz. Moskva, Sotsekgiz, 1962. 247 p.
- Michurin's trend in biology and ichthyological research. G. S. Karzinkin, G. V. Nikol'skii. Vop. ikht. 3 no. 1: 7-14 '63.
- BIOLOGY—STUDY AND TEACHING**
(see also subdivision under Krasnodar Territory)
Combining biology instruction with practical work of students on a school lot. D. P. Shirokikh, I. F. Negin-skala. Biol. v shkole no. 5:45-48 S-O '62.
- Improving the biological education of secondary school students. M. I. Mel'nikov. Biol. v shkole no. 6:26-30 N-D '62.
- Inspecting the teaching of biology. M. P. Trutneva. Vech. sred. shkola 5 no. 5:78-80 S-O '62.
- Interrelationship of subjects in the teaching of biology. R. K. Melkhova. Biol. v shkole no. 5:13-18 S-O '62.
- Let's improve the efficiency of biology lessons in the evening (staggered) secondary schools. A. P. Medovala. Biol. v shkole no. 6:35-39 N-D '62.
- Let's improve the methods of testing the knowledge of biology students. Biol. v shkole no. 6:3-5 N-D '62.
- Let's raise the teaching of biology in secondary schools to a modern level. B. G. Ioganzen. Biol. v shkole no. 6:30-34 N-D '62.
- New stage in the development of biological sciences. V. L. Kretovich. Vest. vys. shkoly 21 no. 2:3-6 F '63.
- Significance of the general biology course for the study of social sciences. M. I. Mel'nikov. Prep. ist. v shkole 18 no. 1:39-45 Ja-F '63.
- "Teaching biology in evening (staggered) schools" by M. P. Trutnev. Reviewed by V. I. Shubin. Vech. sred. shkola 5 no. 6:84-86 N-D '62.
- Using the materials of the 22d Congress of the CPSU in biology classes. E. V. Zherelina. Biol. v shkole no. 5:8-12 S-O '62.
- BIOMATHEMATICS**
Urzhakh, V. I. [Mathematical statistics for biologists and medical men] Matematicheskaya statistika dlia biologov i medikov. Moskva, Izd-vo Akad. nauk SSSR, 1965. 322 p.
- BIOMECHANICS** see Human engineering
- BIOSYNTHESIS**
Differences in the nature of the suppression of protein biosynthesis in cancerous cells by oxyaromatic compounds and alkylating agents. G. V. Kukushkina, L. B. Gorbacheva, N. M. Emanuel'. Dokl. AN SSSR 147 no. 5: 1218-1219 D '62.
- BIOTITE—ANALYSIS** see subdivision under Dnieper Valley
- BIRCH**
(see also subdivision under Bryansk Province; Karelia)
Translocation of heavy water in plants. I. U. A. Poljakov, N. S. Germogenova. Trudy DQZ no. 7:137-145 '61.
- BIRDS** see subdivision under Amur Province; Anabar Valley; Balkal Lake region; Buznchi Peninsula; Engure Lake region; Kabardino-Balkar A.S.S.R.; Kalinin Province; Khamar-Daban Range; Kirghiz Range; Kivach Preserve; Komandorskiye Islands; Kubenka Lake region; Lena Valley; Mangyshlak Peninsula; Manych-Gudlo Lake region; Moscow; Nero Lake region; Ona Preserve; Ryazan Province; Siberia; Soviet Central Asia; Turskiy Coast; Tien Shan; Tula Province; Turkmenistan; Tuva A.S.S.R.; Yakutia; Yeluguy Valley; Zalytys Lake region
- BIRDS—BEHAVIOR**
Behavior of the European night jar during the nesting period. E. N. Derim. Ornitologiya no. 5:410-412 '62.
- BIRDS—CATALOGS AND COLLECTIONS**
Types of the ornithological collection of the Zoological Museum of Moscow University. Part 2. Nonpasserine birds. A. M. Sudilovskaya. Ornitologiya no. 6:431-437 '62.
- BIRDS—DISEASES**
[Diseases of birds] Bolezni ptits. Moskva, Sel'khozizdat, 1962. 543 p.
- BIRDS—EGGS AND NESTS** see subdivision under Archangel Province; Sladkiy Limn region; Terskol Ala-Tau
- BIRDS—EMBRYOLOGY** see Embryology—Birds
- BIRDS—FOOD** see subdivision under Amu Darya Delta region; Lenskiy District (Yakutia); Moscow Province
- BIRDS—GEOGRAPHICAL DISTRIBUTION**
Ornithogeographical maps at the conference on atlases of the republics, territories and provinces. Z. S. Shershekova. Ornitologiya no. 5:446-447 '62.
- BIRDS—MIGRATION**
(see also subdivision under Atlantic Ocean; Bot-Pak-Dala; Caspian Sea region; Estonia; Indigirka Delta; Mangyshlak Peninsula; Moscow region; Novosibirsk Reservoir region; Volga-Ural region)
Migration of common terns. M. I. Lebedeva. Migr. zhiv. no. 3:87-91 '62.
- New data on the occurrence of ringed Caspian terns (Hydroprogne tschegrava Lepechin). T. P. Shevareva. Migr. zhiv. no. 3:92-105 '62.
- Some ecologic stimuli of seasonal migrations of birds. A. V. Mikheev. Ornitologiya no. 5:324-329 '62.
- BIRDS—PHYSIOLOGY**
One day's periodicity of gaseous exchange in birds. A. N. Segal'. Ornitologiya no. 5:395-403 '62.
- BIRDS—STUDY AND TEACHING**
Independent work of students during the study of the variety of birds. L. G. Lavinskii. Biol. v shkole no. 6: 20-22 N-D '62.
- Studying the biology of pigeons in a nature corner. I. A. F. Vinnichenko. Biol. v shkole no. 6:61-64 N-D '62.
- BIRDS, FOSSIL** see subdivision under Cimmerian Bosphorus (Kingdom)
- BIRDS AS CARRIERS OF DISEASE** see subdivision under Salair Ridge
- BIRDS IN WINTER** see subdivision under Caspian Sea region; Danube Delta; Kyzyl-Agach Preserve; Osaotia, North; Repetek Desert Preserve; Soviet Central Asia; White Sea region
- BIRDS OF PREY** see subdivision under Altai Territory
- al-BIRUNI, 973-1048**
Abu-Raihan al-Biruni on the possibility of the existence of the western continent. Kh. Khasanov. Izv. AN SSSR. Ser. geog. no. 1:106-108 Ja-F '63.
- BISMUTH**
Thermal e.m.f. of thin bismuth films. G. A. Efendiev, F. S. Sultanov, R. M. Iskenderov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk no. 4:65-69 '62.
- BISMUTH CARBONATE**
Use of intravenous infusions of bismuth carbonate. N. A. Auehev, A. M. Mazurova. Vrach. delo no. 11:147-149 N '62.
- BISMUTH CRYSTALS**
Distortion of dents in measuring the microhardness of zinc and bismuth [in Georgian with summary in English]. V. M. Dolidze. Trudy Inst. fiz. AN Gruz. SSR 8:221-250 '62.
- BISMUTH ISOTOPES—DECAY**
Analysis of the β -decay of the nuclei Bi²¹⁰ (RaE), Pb²¹⁰ (RaD), and Pb²⁰⁹, and the wave function of RaE. L. N. Zyrjanova, V. M. Mikhailov. Izv. AN SSSR. Ser. fiz. 27 no. 2:235-245 F '63.
- Chemical changes during the processes of β -decay of Ra E present in its α -naphthyl derivatives. V. D. Nefedov, S. A. Grachev, S. Glavka. Zhur. ob. khim. 33 no. 2:333-339 F '63.
- BISMUTH SELENIDE**
Interaction of bismuth selenides with arsenic. E. I. Iarembash, E. S. Vigileva. Zhur. neorg. khim. 7 no. 12:2752-2755 D '62.
- BISMUTH TELLURIDE**
Interaction of bismuth tellurides with arsenic. E. I. Iarembash, E. S. Vigileva. Zhur. neorg. khim. 7 no. 12:2756-2759 D '62.
- BISMUTH—THALLIUM—TELLURIUM ALLOYS** see Thallium-tellurium-bismuth alloys
- BITUMEN—GEOLOGY**
(see also subdivision under Irkutsk Province)
Akademiya nauk SSSR, Laboratoriya mineralogi i formirovaniya bituminoznykh svit. [Mineralogy and facies of bituminous formations in some provinces of the U.S.S.R.] Mineralogiya i tsatli bituminoznykh svit rinda oblastei SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1962. 246 p.
- BITUMINOUS MATERIALS**
Bituminous and petroleum shale-formaldehyde resin-based emulsion paints. A. S. Korzhuev, A. E. Zarubitskii, Lakokras. mat. i ikh prim. no. 1:70-71 '63.
- Possibility of using bitumen as a solution for the production of black lacquers. M. D. Bodnia, M. A. Osovetskii, Lakokras. mat. i ikh prim. no. 1:71-72 '63.
- BLACK EARTH** see Chernozem soils
- BLACK GROUSE** see subdivision under Lenskiy District (Yakutia); Trans-Ili Ala-Tau
- BLACK SEA—FISHES**
Ability of some Black Sea fishes to orient themselves to the source of sound. I. U. D. Podilpalin. Vop. ikht. 2 no. 4:721-724 '62.
- BLACK SEA—GRAY MULLET**
Biology of wintering of young gray mullets. F. S. Zambirforshch. Vop. ikht. 2 no. 4:615-625 '62.
- BLACK SEA—SAUREL**
Serologic analysis of the relationship between the "large" and "small" horse mackerels of the Black Sea. I. U. P. Altukhov, V. S. Apekin. Vop. ikht. 3 no. 1:38-50 '63.
- BLACK SEA LOWLAND—GEOLOGY STRUCTURAL**
Tectonics of the northeastern part of the Black Sea Lowland. O. O. Holzhevs'kii. Geol. zhur. 22 no. 6:33-45 '62.
- BLACK SEA REGION—CITIES AND TOWNS, ANCIENT**
Akademiya nauk SSSR, Institut Arkheologii. [The ancient city] Antichnyi gorod. Moskva, Izd-vo Akad. nauk SSSR, 1963. 169 p.
- BLACK SEA REGION—GEOLOGY, STRATIGRAPHIC**
Upper Senoman oyster bed with Grifonea ventricularis Lam. in the Black Sea Depression. N. N. Karlov. Dokl. AN SSSR 149 no. 1:156-157 Mr '63.
- BLACK SEA REGION—HOTELS, TAVERNS, ETC.**
Multistory hotels for health resort cities on the Black Sea. V. Otarzhevskii. Arkhit. SSSR no. 2:38-40 '63.
- BLACK SEA REGION—UNITIZED CARGO SYSTEMS**
Containerized transportation in the Black Sea-Azov Sea basin. P. Dubinskii, D. Pasternak. Mor. flot 23 no. 2: 8-9 F '63.
- BLADDER—CANCER**
Treatment of tumors of the urinary bladder with radioactive phosphorus [in Georgian with summary in Russian]. G. A. Gzirishvili. Trudy Inst. okup. i klin. khir. i gemat. AN Gruz. SSR 10:157-160 '62.
- BLADDER—DISEASES**
Lymphogranuloma with affection of the urinary bladder. M. N. Malova, M. A. Shalevich. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:335-340 '61.
- BLASCHKE, WILHELM, 1855-1962**
Wilhelm Blaschke; an obituary. I. M. IAglom. Usp. mat. nauk 18 no. 1:135-143 Ja-F '63.
- BLAST FURNACES**
(see also subdivision under Dneprodzerzhinsk; Novolul'skiy)
Contactless control of the feed of blast furnaces. A. A. Ermilov. Prom. energ. 18 no. 2:45 F '63.
- Formation of sylvite in a blast furnace. L. I. Kariakina. Dokl. AN SSSR 148 no. 2:391-393 Ja '63.
- Redesigning of 4000-44-1 type blast-furnace gas accumulators. M. C. Teplovskii, A. K. Chirva. Prom. energ. 18 no. 2:31-39 F '63.
- System of remote master control of blast flow regulators in blast furnaces. I. A. Rylov. Metallurg 8 no. 2:10 F '63.
- BLAST FURNACES—EQUIPMENT AND SUPPLIES**
Conveyor transportation of charge materials in blast furnace plants. S. D. Samoilovich. Metallurg 8 no. 2: 6-9 F '63.
- Equipment of blast furnaces with a capacity of 2700 m³. N. K. Leonidov, V. V. Dan'shin. Stal' 23 no. 2:104-115 F '63.
- Improvement of air valves. O. A. Matvienko, M. A. Zalevskii. Metallurg 8 no. 2:11 F '63.
- New developments in the charging of blast furnaces. V. P. Tarasov, F. P. Tarasov. Metallurg 8 no. 2:3-5 F '63.
- Pashkov, V. D. [Air-blowing equipment in metallurgical plants] Vozdukhoduvnoe khoziaistvo metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1962. 247 p.
- BLAST FURNACES—MAINTENANCE AND REPAIR**
Remodeling of a blast furnace. F. A. Borisenko, V. G. Urchukin. Stal' 23 no. 1:14-15 Ja '63.
- BLASTING**
Nabets, K. K., P. A. Egorova, and M. I. Semenko. [Blasting in underground ore mining] Vzyrynik pri podzemnoi dobyche rud. Moskva, Gosgortekhlizdat, 1962. 146 p.
- Basic propositions in calculating large charges of explosives for draw blasting. G. I. Pokrovskii. Vzyryv. rab. no. 3:6-23 '66.
- Borekov's formula. L. A. Paparotskii. Vzyryv. rab. no. 3:3-5 '66.
- Determining the number of boreholes in a working face. E. S. Vatolin. Vzyryv. rab. no. 3:70-78 '66.
- Doubling an electrical blasting network. M. M. Dokuchaev. Vzyryv. rab. no. 3:132-137 '66.
- Draw blasting in hydraulic construction. S. A. Davydov. Vzyryv. rab. no. 3:78-90 '66.
- Fine crushing of granite. N. I. A. Zolotarev. Vzyryv. rab. no. 3:80-89 '66.
- Galadzhii, F. M.** [Safety measures in mine blasting] Bezopasnost' vzyryvnykh rabot v shakhtakh. Moskva, Gosgortekhlizdat, 1962. 133 p.

BLASTING (Continued)

Improving boring and blasting at quarries. A. P. Averchenkov, V. G. Kritskii, I. U. A. Myzdrikov. Stroi. mat. 9 no. 2:7-10 F '63.

Kucherlavyi, F. I., M. F. Drukovanyi, and I. U. V. Gack. [Short delay blasting in open-cut mines] Korotkozamedlennoe vzryvanie na kar'erakh. Moskva, Gosgortekhlizdat, 1962. 226 p.

M. M. Borekov, father of blasting for bottom-deepening purposes in Russia. V. M. Tavrizov. Vzryv. rab. no. 3:23-33 '56.

Optimum parameters of blasting operations using the method of holes. A. M. Zlotni, S. A. Davydov. Vzryv. rab. no. 3:108-116 '56.

Study of the action of explosions in the heart of a massif during multirow blasting. V. K. Rubtsov, A. E. Azarkovich. Gor. zhur. no. 2:41-42 F '63.

Study on models of the distribution of stresses generated in a medium by the activity of the pressure on the walls of a charged chamber. L. I. Baron, V. F. Trumbachev. Vzryv. rab. no. 3:34-59 '56.

Trench method of blasting. P. P. Dul'tsev, N. I. A. Zolotarev. Vzryv. rab. no. 3:91-107 '56.

Using pyroxylin powder in open pits. V. S. Zhitnik, N. I. Zub. Bezop. truda v prom. 7 no. 2:6-7 F '63.

Vovk, A. A. [Blaster] Vzryvnik. Kiev, Gostekhlizdat USSR, 1962. 214 p.

BLASTING—EQUIPMENT AND SUPPLIES

Pneumatic pusher for charging deep holes in underground mines. I. U. S. Prokhorov, I. A. Malinikov. Gor. zhur. no. 2:69 F '63.

Small roof-caving cartridges designed by the East Mining Research Institute. V. I. Chikunov. Bezop. truda v prom. 6 no. 11:21 N '62.

BLASTING—SAFETY MEASURES

Safety medium in blasting. F. M. Galadzhii, M. K. Pesotskii. Bezop. truda v prom. 6 no. 11:32-34 N '62.

BLEACHING

Effect of bleaching on the degree of polymerization of low viscosity viscose cellulose. S. D. Antonovskii, M. M. Chochieva, Z. A. Zhdanueva. Bum. prom. 38 no. 2:17-19 F '63.

BLEEDING see Hemorrhage

BLACCA see subdivision under Kuybyshev Reservoir; Lakshozero, Lake

BLJUMENTAL'-TAMARINA, MARIA MIKHAILOVNA, 1859-1938

People and meetings. V. I. Lidin. Teatr 24 no. 1:84-80 Ja '63.

BLIZZARDS

(see also subdivision under Novorossiysk)

Snowstorms. N. I. Orlov. Priroda 52 no. 2:127-128 '63.

BLOK, ALEKSANDR ALEKSANDROVICH, 1880-1921

Blok and Strindberg [with summary in English]. D. M. Sharypkin. Vest. LGU 18 no. 2:92-91 '63.

BLOOD—AGGLUTINATION

Cold hemagglutination reaction in epidemic hepatitis. S. O. Avarkisian. Trudy Len. inst. epid. i mikrobiol. 17:133-143 '58.

Indirect hemagglutination reaction as a method for determining the formation of antibodies to histereia [with summary in English]. R. Karpov. Trudy TomNIIVS 11:228-231 '60.

Preparation of histereia antigen for the indirect hemagglutination reaction [with summary in English]. L. A. Burenkova. Trudy TomNIIVS 11:225-227 '60.

Reaction of indirect hemagglutination in histereiosis immunology [with summary in English]. A. A. Trifol'tova. Trudy TomNIIVS 11:218-224 '60.

BLOOD—ANALYSIS AND CHEMISTRY

Biochemical changes in the blood in hypertension in elderly and senile persons. E. A. Sel'kov. Trudy LIETIN no. 4:146-157 '60.

Blood composition in hyperthyroid goiter following radioiodine treatment. V. M. Udod. Vrach. delo no. 1:121 Ja '63.

Dynamics of the morphological composition of the blood of Tagil cattle in ontogenesis. P. F. Soldatenkov. Zhivotnovodstvo 23 no. 7:82-84 Ji '61.

Ecological and physiological characteristics of the blood of sturgeons. P. A. Korzhuev. Vop. ikht. 3 no. 1:152-157 '63.

Effect of calcium chloride on the blood picture and the contractive activity of the uterus in cows [in Armenian with summary in Russian]. A. O. Manasian, A. S. Grigorian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:87-96 '62.

Effect of fluorine derivatives of alkylamines on some biochemical blood indices. S. A. Papoian, S. G. Shukurian, I. G. Demirehchoglian. Vop. rent. i onk. 6:187-192 '61.

Effect of the higher parts of the central nervous system on the morphological composition of the blood. Report No. 1. I. B. Kozlovskaya. Trudy Inst. vys. nerv. deint. Ser. fiziol. 7:195-202 '62.

Electrochemical investigation of blood characteristics in cats during the agonal process from acute blood loss and subsequent reanimation [with summary in English]. T. R. Kuz'mina. Vest. LGU 18 no. 3:109-114 '63.

Seasonal changes in the blood of fishes of Rybinsk Reservoir. L. I. Smirnova. Vop. ikht. 2 no. 4:677-686 '62.

Some biochemical changes in the skin and blood of rabbits during irradiation of a limited section of the cutaneous tegmen with radioactive phosphorus (p32) [with summary in English]. B. A. Zadorozhnyi, N. N. Madievskina. Vrach. delo no. 1:23-28 Ja '63.

BLOOD—CIRCULATION

Blood gases and some hemodynamic indices in mitral stenosis. V. E. Dashkovskii. Vrach. delo no. 1:40-43 Ja '63.

Methods of determining the minute volume of the blood in elderly and senile persons. V. A. Gerasin. Trudy LIETIN no. 4:87-91 '60.

Röntgenkymographic study of the beat and minute volume of the blood in hypertonic patients under the action of terrain cure. I. L. Arabei. Vop. rent. i onk. 6:47-56 '61.

BLOOD—CIRCULATION, ARTIFICIAL

Anesthesia in artificial blood circulation. D. Ondrokhova, V. Findeva. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:77-86 '62.

Care of the patient following a heart operation with the use of artificial blood circulation. M. Gubka and others. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:67-72 '62.

Changes in coagulation and anticoagulation factors of the blood in artificial blood circulation. M. Shnorrer and others. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:73-76 '62.

Defects of the heart septum in children and indications for their surgical treatment by the use of artificial blood circulation. Irena Iakhtsova. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:53-56 '62.

Protection of the myocardium during the prevalence of asystole in an intracardiac operation by the use of the apparatus for artificial blood circulation. M. Gubka and others. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:57-65 '62.

System for drawing up the blood lost during cardiectomy using artificial blood circulation. M. F. Zin'kovskii. Klin. khir. no. 11:88-91 N '62.

BLOOD—CIRCULATION, DISORDERS OF

Case of patent ductus arteriosus. R. L. Tomasian. Vop. rent. i onk. 6:163-166 '61.

Characteristics of the hemodynamics in hypertension in elderly and senile persons. I. I. Likhtitskaia. Trudy LIETIN no. 4:113-123 '60.

Effect of pharmacological substances on the blood supply to the heart in acute disorders of coronary circulation [with summary in English]. G. A. Markova. Vest. J. MN SSR 18 no. 1:33-35 '63.

Experimental study of the pathogenesis of myocardial infarction [with summary in English]. M. I. Gurevich and others. Vrach. delo no. 11:20-24 N '62.

Prevention of disorders in the myocardial blood supply caused by stimulation of the cerebral cortex by pharmacological agents [with summary in English]. I. E. Kisin, L. N. Sinitin. Vest. AMN SSR 18 no. 1:19-23 '63.

Study of the changes in the volume of circulating blood during the final stages provoked by acute pneumothorax; an experimental study [in Georgian with summary in Russian]. Sh. S. Machavariani. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:331-335 '62.

BLOOD—COAGULATION

Changes in coagulation and anticoagulation factors of the blood in artificial blood circulation. M. Shnorrer and others. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:73-76 '62.

Changes in some components of the blood coagulation system in radiation sickness under hypothermic conditions [in Georgian with summary in Russian]. T. N. Dzhabardze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:277-281 '62.

BLOOD—DISEASES

Paraproteinemia combined with macroglobulinemia [with summary in English]. D. B. Zil'berman. Vrach. delo no. 1:47-52 Ja '63.

BLOOD—EXAMINATION

Changes in the quantity of sugar and lactic acid in the blood of irradiated rabbits following acute blood loss. L. Kh. Barkhudarian. Vop. rent. i onk. 6:217-220 '61.

Reaction of the blood and bone marrow following combined irradiation with X rays and radioactive phosphorus [in Georgian with summary in Russian]. T. G. Baranidze. Trudy Tbil. GIDUV 6:361-392 '62.

BLOOD—OXYGEN CONTENT

Effect of gas baths on oxyhemometric indices in hypertension [with summary in English]. T. A. Vasil'eva. Vrach. delo no. 11:20-33 N '62.

BLOOD—TRANSFUSION

Blood preparations in the treatment of epidemic hepatitis. O. G. Mikhailovskaya. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:88-92 '62.

Erofeev, I. A. [Blood transfusion in a polyclinic; practices of the Leningrad City Blood Transfusion Station] Perelivanie krovi v usloviakh polikliniki; opyt Leningradskoi gorodskoi stantsii perelivaniia krovi. Leningrad, Medgiz, 1962. 50 p. (Biblioteka prakticheskogo vracha) (DNLM)

New cylinder for drop intravenous transfusion of fluids in combination with blood. N. Kh. Malinskii. Nauch. trudy Chetv. Mosk. gor. kha. bol'. no. 1:252-255 '61.

Prevention of serum hepatitis (infectious hepatitis B). I. P. Drobinskii. Trudy Kish. gos. med. inst. 11:105-116 '60.

Treatment of typhoid and paratyphoid patients by blood transfusion in conjunction with levonovectin. I. K. Akhsabaev, G. K. Khamidov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:146-150 '62.

Use of blood stabilized by calcium chloride in thrombocytopenic cases. F. A. Efendiev, A. M. Akhundova. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:231-236 '62.

BLOOD, GASES IN

Blood gases and some hemodynamic indices in mitral stenosis. V. E. Dashkovskii. Vrach. delo no. 1:40-43 Ja '63.

Effect of lung resection on the gaseous composition of the blood [in Georgian with summary in Russian]. O. I. Burdzhanaдзе, L. K. Arashba, G. V. Kikhlidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:149-152 '62.

Oxyhemometric indices in lung resection [in Georgian with summary in Russian]. O. I. Burdzhanaдзе, T. I. Akhmeteli, L. K. Arashba. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:143-147 '62.

Study of the gaseous composition of the blood in surgical treatment of lung cancer. M. A. Sedgarjan. Vop. rent. i onk. 6:249-259 '61.

BLOOD AS FOOD OR MEDICINE

Effect of various amounts of autogenous and heterogenous blood on the absorptive function of the reticulo-endothelial system in sheep [in Armenian with summary in Russian]. M. P. Manvelian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:81-85 '62.

Increasing fertility in cows and sheep. P. I. Satalov. Zhivotnovodstvo 23 no. 7:36-40 Ji '61.

BLOOD GROUPS

Practical and scientific significance of blood groups of farm animals. I. V. Smirnov. Zhivotnovodstvo 23 no. 7:68-71 Ji '61.

BLOOD PLASMA SUBSTITUTES

Experience in the treatment of extremely acute gastroenteritis with the use of Palaukhin's fluid. V. N. Leiman. Shor. rab. Sverd. med. inst. no. 32:10-112 '61.

BLOOD PLATELETS

Origin of blood platelets. I. V. Almazov. Shor. nauch. trud. Vin. der. med. inst. 10 no. 1:111-124 '58.

Use of blood stabilized by calcium chloride in thrombocytopenic cases. F. A. Efendiev, A. M. Akhundova. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:231-236 '62.

BLOOD PRESSURE

Effect of an alcohol infusion and juice of beets on blood pressure. V. Buzlama. Shor. stud. nauch.-anal. rab. VSKII 1 no. 1:223-224 '62.

Pressure in the temporal and brachial arteries during the orthostatic test as a method for detecting cerebral hypertension [with summary in English]. A. I. Zlatoverov, V. A. Kozlova, D. N. Pines. Sov. med. 26 no. 12:38-44 D '62.

BLOOD PRESSURE, HIGH see Hypertension

BLOOD PRESSURE, LOW see Hypotension

BLOOD PROTEINS

Age-related changes in blood serum protein fractions. E. A. Sel'kov. Trudy LIETIN no. 4:11-17 '60.

Blood proteins in Botkin's disease. S. M. Narala. Trudy Kish. gos. med. inst. 11:117-124 '60.

Dynamics of the electrophoretic blood protein formula during treatment with royal jelly preparation. A. A. Nizov, V. F. Lupachov. Inform. biol. o mol. mozh. no. 3:86-89 '62.

Electrophoretic analysis of proteins of the cerebrospinal fluid and blood serum in tumors and inflammatory diseases of the brain. T. N. Lobkova. Probl. sov. neirokhir. 4:76-84 '62.

Interrelation between copper fluctuations and the dynamics of protein fractions in the blood of typhoid and paratyphoid patients. R. D. Tsoi. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:116-120 '62.

Paraproteinemia combined with macroglobulinemia [with summary in English]. D. B. Zil'berman. Vrach. delo no. 1:47-52 Ja '63.

BLOOD PROTEINS (Continued)

- Phagocytic activity of the leucocytes and the protein fractions of the blood serum in chronic nonspecific pneumonia. V.N. Saperov, E.F. Saperova. Vrach. delo no.1:122 Ja '63.
- Proteins and the morphology of the blood of cattle inoculated with the pathogen of tuberculosis of the fowl type. B. A. Nikanorov. Trudy VIEV 26:102-108 '62.
- Regeneration of proteins and their fractions in the blood of a puerpera by treatment with royal jelly preparation following pathological hemorrhages. V. L. TSveer. Inform. biul. o mat. moloch. no. 3:75-85 '62.
- Study of the protein content of the blood serum of rabbits by paper electrophoresis during their immunization with dysentery antigen vaccines [with summary in English]. O. A. Vasil'eva. Trudy TomNIIVS 11:261-265 '60.

BLOOD SUGAR

- Changes in the sugar content of the blood in cerebral hemorrhages. R. I. Borisenko. Vrach. delo no. 1:35-40 Ja '63.

BLOOD VESSELS

- Effect of royal jelly preparation on the vessels of frog extremities and liver under conditions of increased tonus of their walls. V. F. Lupachev. Inform. biul. o mat. moloch. no. 3:10-15 '62.

BLOOD VESSELS—ABNORMALITIES AND DEFORMITIES

- Case of anomaly of the vena cava superior, the aorta, and the branches of its arches. G. V. Terent'ev. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:110-113 '58.

BLOOD VESSELS—SURGERY

- Belorusskii gosudarstvennyi nauchno-issledovatel'skii institut nevrologii, neirokhirurgii i fizioterapii. [Problems of vascular neurosurgery] Problemy sosudistoi neirokhirurgii. Pod red. D. A. Markova i E. I. Zlotnitskaya. Minsk, Izd-vo Akad. nauk BSSR, 1962. 277 p. (DNLN)

BLOODLETTING

- Changes in the quantity of sugar and lactic acid in the blood of irradiated rabbits following acute blood loss. L. Kh. Barkhudarian. Vop. rent. i onk. 6:217-220 '61.
- Data on the pathology of acute blood loss in animals affected by ionizing radiation. M. A. Movsesian, O. A. Ovanesian, N. G. Mushegian. Vop. rent. i onk. 6:179-185 '61.
- Effect of blood losses on the function of the heart of irradiated rabbits as per electrocardiographic data. M. A. Movsesian. Vop. rent. i onk. 6:193-203 '61.

BLUEPRINTING

- Blueprinting apparatus. N. P. Kondratov. Shkola i proizv. 6 no. 9:81-83 S '62.

BOARDING SCHOOLS

- (see also subdivision under Churachki)
- "Cheerful life" school colony: recollections. V. N. Shatskaia. Sov. pedagog. 26 no. 11:46-53 N '62.
- Connection between the class collective and life and the demands of the former on the personality of students. N. I. A. Skomorokhov. Sov. pedagog. 26 no. 11:31-39 N '62.
- Enthusiasts. L. Ivashchenko. Shkola-int. no. 6:60-78 N-D '62.
- "Fifth anniversary of boarding schools." Book review. Shkola-int. no. 6:90-91 N-D '62.
- Let's train youth for life and for work. Shkola-int. no. 6:7-11 N-D '62.
- More on mutual teaching. T. Basiev. Nar. obr. no. 2:38-42 F '63.
- A most important part of the educational process. A. Kondratenkov. Shkola-int. no. 6:12-17 N-D '62.
- Pedagogical notes; on the occasion of the 50th anniversary of the S. T. Shatskii School. N. P. Kuzin. Sov. pedagog. 26 no. 11:54-65 N '62.
- Province-wide "Pedagogical lectures." Shkola-int. no. 6:92 N-D '62.
- Triumph of the ideas of the October Revolution. Shkola-int. no. 6:2-7 N-D '62.

BOATBUILDING—BIBLIOGRAPHY see Bibliography—Boatbuilding

BOBROVKA (EAST KAZAKHSTAN PROVINCE)—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

- Propaganda centers in a village. V. Krivonogov. Agitator no. 3:39-41 F '63.

BOBRUYSK—INDUSTRIAL MANAGEMENT

- Developing the democratic principles of industrial management. V. Varyonchik. Komm. Bel. 37 no. 2:31-34 F '63.

BOBRUYSK DISTRICT—DAIRYING

- Restless heart. Tamara Matushevich. Rab. i stal. 39 no. 1:8-9 Ja '63.

BODY TEMPERATURE

- Benediktov, I. I. [Blood circulation and temperature of the uterus in some physiological and pathological states of the organism] O krovodobraschenii i temperature v matke pri nekotorykh fiziologicheskikh i patologicheskikh sostoyaniyakh organizma. [Tomsk] Izd-vo Tomskogo univ., 1960. 128 p. (DNLN)

BODY WEIGHT

- Determination of the composition of the human body according to its specific gravity. K. P. Khanina. Vop. antr. no. 10:77-84 '62.
- Portable apparatus for hydrostatic weighing used in defining the specific gravity of the human body. A. G. Zhdanova. Vop. antr. no. 10:85-87 '62.

BOGATYYE SARY DISTRICT—INDUSTRIAL ORGANIZATION

- Story about ordinary events. I. U. Egorov. Mest. prom. i khud. promys. 3 no. 1:25-27 Ja '63.

BOILER-MAKING INDUSTRY

- Outlook for the development of Russian boiler-making industry. S. I. Mochan. Bezop. truda v prom. 6 no. 11:8-10 N '62.

BOILERS

- (see also subdivision under Taganrog)
- Accidents with gas heated DKV steam boilers. N. A. Lasunov. Bezop. truda v prom. 6 no. 11:17-18 N '62.
- Automatic control of gasified low-power boiler units. V. I. Kozachok. Bezop. truda v prom. 7 no. 2:28-29 F '63.
- Automatic control of water level in small boilers. V. S. Poborchil. Prom. energ. 18 no. 2:22-25 F '63.
- Calculation of a carry-over return system. S. A. Tager. Elek. sta. 33 no. 12:16-21 D '62.
- Chilae, G. A. [Mechanization of fuel supply and ash removal in industrial boiler systems] Mekhanizatsiya toplivopodachi i zoloodalenia promyshlennyykh koteln'nykh. Moskva, Mashgiz, 1962. 137 p.

- Concerning the derived transition zone of once-through boilers with super-high and supercritical pressures. A. A. Kot, Z. V. Deeva. Elek. sta. 33 no. 12:6-9 D '62.

- Concerning the use of a relative increment technique in operating boiler systems. S. E. Kashprovskii, A. N. Kocheruzhko, P. I. Lavrov. Energ. i elektrotekh. prom. no. 4:9-13 O-D '62.

- Conversion of TKP-3 boiler to firing coal dust in plane parallel jets. M. A. Izumov and others. Teploenergetika 10 no. 2:11-14 F '63.

- An efficient system for collecting condensate in industrial systems. V. G. Grigorov. Prom. energ. 18 no. 2:26-28 F '63.

- Experience in burning brown coals in wet-bottom furnaces with shaft-type impact mill. V. E. Maslov and others. Teploenergetika 10 no. 2:15-19 F '63.

- Experience in the installation of a 200 Mw. block. M. E. Verbitskii. Energ. stroi. no. 30:8-12 '62.

- Experience in the installation of BKZ-120-100-GM boilers in a semiclosed type boiler system. I. M. Iarmolinskii, A. E. Lerner. Energ. stroi. no. 30:12-20 '62.

- Experimental study of the combustion of pulverized anthracite culm in the furnaces of large steam boilers. S. L. Shagalova and others. Teploenergetika 10 no. 2:2-8 F '63.

- Increase in the operational stability of mechanical chain-type fire grates. L. E. Valzel'. Prom. energ. 18 no. 2:25-26 F '63.

- Installation of remote control, automatic control, and temperature regulating devices in a 200 Mw. boiler system. G. K. Telizhenko. Energ. stroi. no. 30:20-23 '62.

- Mobile water heating boilers for temporary use. I. M. Liando. Prom. energ. 18 no. 2:52 F '63.
- New design of a water boiler. D. I. A. Borshchov. Vod. i san. tekhn. no. 2:3-6 F '63.

- [Operation of steam boilers, pressure vessels and hoisting machinery; regulations, instructions, norms] Eksploatatsiya parovykh kotlov, sudov i gruzopod'emykh mashin; pravila, instruktsii, normy. Izd. ofitsial'noe. Kiev, Goskizdat USSR, 1962. 643 p.

- Semigas combination boiler and stove. N. Flegantov. Sel. stroi. 15 no. 3:18-19 Mr '60.

- Slag removal in boiler systems. M. I. A. Polianskii, K. A. Blinov. Teploenergetika 10 no. 2:10-23 F '63.

- Stabilization of the electric current of the polarized protection system of a nickel-lined boiler. I. A. A. Shapirshteyn. Energ. i elektrotekh. prom. no. 4:89-93 O-D '62.

- Steam producers with electric heating. K. Novikov, D. Reshetniak. Avt. transp. 41 no. 2:53-54 F '63.

- Study of fractures in the drum of a high-pressure boiler and of methods for preventing them from originating. V. G. Belyi and others. Energ. i elektrotekh. prom. no. 4:85-89 O-D '62.

- Tens of thousands of rubles saved. N. Khursov. Zhil.-kom. khoz. 12 no. 9:20-29 S '62.

- Use of carborundum packing compounds for lining furnaces with liquid slag removal systems. N. I. Voronin and others. Elek. sta. 33 no. 12:2-5 D '62.

- Use of γ-rays for studying the liquid phase of a system with high parameters. I. Kh. Khaibullin, N. M. Borisov. Teploenergetika 10 no. 2:78-82 F '63.

- Use of waste heat instead of steam. V. P. Sivokon, N. S. Sviatkin. Prom. energ. 18 no. 2:8-9 F '63.

- Visual observation of processes in the drum of an operating boiler. M. D. Panasenka, A. I. A. Antonov, V. N. Pomin. Teploenergetika 10 no. 2:26-30 F '63.

BOILERS—ABSTRACTS

- [Boiler manufacture] Ref. zhur. Koltstroenie nos. 1-3 Ja-Mr '63.

BOILERS—CLEANING

- Steam-blast cleaning of sticky flue ashes in order to prevent the unbalancing of flue gas pumps. N. I. Zverev, V. I. Ignat'ev. Elek. sta. 33 no. 12:74-76 D '62.
- Water-blast cleaning of the water wall surfaces of high-pressure boilers. M. A. Moiseev. Elek. sta. 33 no. 12:76 D '62.

BOILERS—EQUIPMENT AND SUPPLIES

- Concerning the principal components of a chromatograph for analyzing combustion products. V. E. Egorov. Elek. sta. 33 no. 12:22-28 D '62.

BOILERS—MAINTENANCE AND REPAIR

- "Instructions on the maintenance of the boilers of an electric power plant." Reviewed by M. A. Moiseev. Elek. sta. 34 no. 1:90-91 Ja '63.

BOILERS—SAFETY MEASURES

- Prevent accidents with vertical cylindrical steam boilers. S. I. Mandel'shteyn. Bezop. truda v prom. 7 no. 2:15-16 F '63.

BOL'SHEZEMEL'SKAYA TUNDRA—CRYOPEDELOGY

- Some data on thermokarst formations in the Bol'shezemel'skaya Tundra. I. U. T. Uvarkin. Trudy Inst. merzl. AN SSSR 18:9-16 '62.

BOL'SHEZEMEL'SKAYA TUNDRA—FROZEN GROUND

- Role of frost-cracked clefts in the formation of recent relief in the Bol'shezemel'skaya Tundra. N. I. Mukhin. Trudy Inst. merzl. AN SSSR 16:39-46 '62.

BOL'SHEZEMEL'SKAYA TUNDRA—LANDFORMS

- Role of frost-cracked clefts in the formation of recent relief in the Bol'shezemel'skaya Tundra. N. I. Mukhin. Trudy Inst. merzl. AN SSSR 16:39-46 '62.

BOL'SHEZEMEL'SKAYA TUNDRA—THERMOKARST

- Some data on thermokarst formations in the Bol'shezemel'skaya Tundra. I. U. T. Uvarkin. Trudy Inst. merzl. AN SSSR 18:9-16 '62.

BOMBS see Grenades

BONDAREV, I. U.

- "What emanates from his pen?" A. Ninov. Vop. lit. 6 no. 12:165-167 D '62.

BONE MARROW see Marrow

BONES—DISEASES

- Marble disease. G. I. U. Koval'. Klin. khir. no. 12:68-69 D '62.
- Takata-Arya test in alimentary osteodystrophies in cattle. N. Cherevashenko. Sbor. stud. nauch. i issl. rab. VSKHI 1 no. 1:143-145 '62.

BONES—RADIOGRAPHY

- Kosinskaya, N. S. [Degenerative and dystrophic lesions of the osteoarticular apparatus; clinical X-ray diagnosis and expertise on work capacity] Degenerativno-distroficheskie porazheniya kostnosustavnogo apparata; klinicheskaya rentgenodiagnostika i ekspertiza trudo-sposobnosti. [Leningrad] Medgiz, 1961. 194 p. (DNLN)

BONES—SURGERY

- Immediate and late results of operative treatment of patients suffering from hematogenic osteomyelitis of the long tubular bones. I. P. Pavlov. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:105-202 '61.

- Operative treatment of diaphysis fractures. V. A. Chernavskii. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:83-94 '61.

BONES—TUBERCULOSIS

- Role of tomographical X-ray examination in the diagnosis of bone and joint tuberculosis [with summary in English]. O. A. Suslova. Vrach. delo no. 11:56-61 N '62.

BONES—WOUNDS AND INJURIES

- Radiation injuries of bones. D. A. Mikeldadze. Trudy Tbil. GIDUV 6:301-306 '62.

- BONUS SYSTEM**
 Bonus payments to engineers and secondary technical personnel. V. Bitunov. Sots. trud 7 no. 6:49-54 Je '61.
 Bonus system in the lumbering industry. A. M. Stepanov. Nauch. trudy LTA no. 93:43-47 '61.
 For the further improvement of bonus systems in industry. Sots. trud 8 no. 2:31-39 F '63.
 New development in the system of awarding bonuses to workers in construction organizations. IU, Pak, V. Sorokin. Sots. trud 8 no. 1:128-134 Ja '63.
 New system of rewarding construction workers. G. P. Gribin. Shakht. stroi. 7 no. 1:28-30 Ja '63.
Russia (1923- U.S.S.R.) Laws, statutes, etc. [Regulation on awarding bonuses to workers for putting construction objects and production facilities into operation] Polozhenie o premirovani rabotnikov za vvod v deistvie ob'ektov stroitel'stva i proizvodstvennykh moshchnostei. Moskva, Gos. izd-vo lit-ry po stroit., arkh. i stroit. materialam, 1962. 29 p.
 Some problems concerning the hourly bonus wage system. K. Mazanov. Sots. trud 7 no. 6:56-60 Je '62.
 Some suggestions on bonus payments to miners. L. Meerevich. Sots. trud 7 no. 6:55 Je '62.
- BOOK ILLUSTRATION** see Illustration of books
- BOOKS—REVIEW**
 Follow-up of a letter to our editor. Vop. filos. 17 no. 2: 181 '63.
 Recommended literature. Rab. i sial. 39 no. 1:19 Ja '63.
- BOOKS AND READING**
 Book as an aid to a teacher. M. Sharapova. Shkola-int. no. 6:57-59 N-D '62.
 Onward and upward. A. Iakovlev. V mire knig 2 no. 8:40-41 Ag '62.
- BOOKSELLERS AND BOOKSELLING** see subdivision under Alekseyevka (Tselinograd Province); Atbasar; Enbekshi-Kazakhskiy District; Kazakhstan; Kurchum District; Pavlodar Province
- BOOKSTORES** see subdivision under Talgar (Alma-Ata Province)
- BOOLEAN FUNCTIONS**
 Simplification of pulse-potential forms [with summary in English]. V. G. Lazarev, E. I. Pail'. Avtom. i telem. 24 no. 2:271-276 F '63.
- BOOTS AND SHOES, RUBBER**
 Modernization of the apparatus for continuous vulcanization of stamped rubber overshoes. I. L. Kaplan. Kauch. i rez. 22 no. 2:49-50 F '63.
- BORAX**
 Use of borax for the packing of tapping arrangements. A. V. Gusev. Metallurg 8 no. 2:22 F '63.
- BORERS (INSECTS)**
 Flatheaded borer *Capnodis tenebrionis*. A. S. Zhukov. Priroda 52 no. 2:118 '63.
- BORIC ACID**
 Extraction of boric acid with isoamyl alcohol from hydrochloric acid solutions. E. E. Vinogradov. Zhur. neorg. khim. 7 no. 12:2813-2816 D '62.
- BORINE**
 Triethylaminofluoroborine. I. G. Ryss, S. L. Idel's. Zhur. neorg. khim. 7 no. 12:2674-2677 D '62.
- BORING**
 (see also subdivision under Azerbaijan; Irkutsk region; Volga-Akhuba Flood Plain)
 Chefranov, K. A. [Automation of the drilling process; control parameters] Avtomatizatsiya protsessov burenia; parametry regulirovani. Moskva, Gostoptekhlizdat, 1962. 88 p.
 Determining the number of boreholes in a working face. E. S. Vatolin. Vzyv. rab. no. 3:70-78 '66.
 Improving boring and blasting at quarries. A. P. Averchenkov, V. G. Kritskii, IU. A. Myzdrikov. Stroi. mat. 9 no. 2:7-10 F '63.
 Investigating aerodynamic parameters of a dry dust-catching system in drilling blast holes. V. V. Tkachev. Bezop. truda v prom. 7 no. 2:25-26 F '63.
 Lachlan, L. A. [In the depth of the earth] V glubiny Zemli. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhitii, nauke, tekhnike, XII Seriya: Geologiya i geografika, no. 1)
 Limits of the applicability of various methods of drilling for water. V. V. Dubrovskii. Vod. i san. tekhn. no. 1: 11-14 Ja '63.
 The problem of drilling frozen ground to form foundation ditches for contact network poles. N. I. Chikharev. Transp. stroi. 12 no. 9:45-47 S '62.
 Sectional method of drilling and sampling hydrogeological test holes. V. V. Kurennoi. Razved. i okh. nedr. 29 no. 1:31-35 Ja '63.
 Sedov, B. I. A. T. Nikolaenko, and G. I. Iuditskii. [Drilling rigs for sinking shafts and boreholes] Burovye ustanovki dlia prokhodka stvolov i skvazhin; spravochnik. Moskva, Gosgortekhlizdat, 1962. 363 p.
- BORING MACHINERY**
 (see also subdivision under Krivoy Rog Basin)
 BUA-2 automotive drilling unit. D. I. Gurevich. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:14-15 '63.
 "Fire" boring in frozen ground. A. Motornenko. Stroitel' 9 no. 2:3-4, 9 F '63.
 NKR-100 drilling rig. Shakht. stroi. 7 no. 1:3 of cover Ja '63.
 Slim bits for separating oversized blocks. I. I. Kiselev. Vzyv. rab. no. 3:125-131 '66.
 TSaritsyn, V. V., and N. A. Zhdovtsev. [Drilling with roller bits] Burenie sharooshechnymi dolotami. K lev, Gos. tekhlizdat USSR, 1962. 134 p.
- BORING MACHINERY—EQUIPMENT AND SUPPLIES**
 New supporting drill-steel holder for core drills. N. I. Dazakov, N. E. Kovalenko. Shakht. stroi. 7 no. 1: 22-23 Ja '63.
- BORINGS**
 Mechanism of cleaning the cutting elements of bits from borings. A. A. Movsumov, G. N. Dzhalil-zade, T. G. Faradzev. Azerb. naft. khoz. 41 no. 7:20-21, 33 Ji '62.
- BORN, MAX, 1882-**
 Max Born. A. T. Grigor'ian. Fiz. v shkole 22 no. 8: 20-21 N-D '62.
- BORODINO, BATTLE OF, 1812**
 The Borodino battlefield. A. Kochergin. Sov. pech. no. 8:26-27 Ag '62.
 A meeting in Borodino. V. Vladimirov. Nov. i noveish. ist. no. 6:176-177 '62.
- BORON FLUORIDE**
 Bisphenols. Part 2: Condensation of phenols with ketones in the presence of boron fluoride. I. M. Bilik and others. Zhur. ob. khim. 33 no. 2:487-490 F '63.
- BORON ORGANIC COMPOUNDS**
 Polyorganoborosiloxanes. K. A. Andrianov and others. Plast. massy no. 1:21-25 '63.
- BORZHOMI REGION—BEECH**
 Materials for studying the biological properties of oriental beech seeds [in Georgian with summary in Russian]. A. D. Pantakhava. Trudy Inst. lesa AN Gruz. SSR 11:189-200 '62.
- BOSHCHKEUL'—NONFERROUS METALS**
 Obtaining an alumina concentrate from Boshchekul' ores. M. A. Sokolov, R. A. Skormina. Izv. AN Kazakh. SSR. Ser. met., obog. i ogneup. no. 2:3-6 '58.
- BOSPORUS, CIMMERIAN (KINGDOM) see Cimmerian Bosphorus (Kingdom)**
- BOTANICAL APPARATUS**
 Device for determining the energy of plant respiration. F. L. Kalinin, N. I. Iastrebovich. Nauch. trudy Ukr. nauch.-issl. inst. fiziol. rast. no. 23:34-37 '62.
- BOTANICAL GARDENS** see subdivision under Moscow
- BOTANICAL GEOGRAPHY** see Phytogeography
- BOTANY**
 (see also subdivision under Estonia; Khoper Preserve; Kishchay Valley; Kiyaz'ma Valley)
 Rodionova, A. S. [Botany] Botanika; uchebnoe posobie dlia studentov lesokhoziastvennogo fakul'teta. Leningrad, Vses. zaachnyi lesotekhn. in-l, 1962. 201 p.
- BOTANY—ANATOMY**
 Anatomic structure of sprouts of coniferous arboreal plants. G. P. Belostokov. Dokl. AN SSSR 148 no. 3: 712-715 Ja '63.
- BOTANY—AUDIO-VISUAL AIDS**
 Homemade visual aids for the topic "Seed and its germination." S. A. Kivotov. Biol. v shkole no. 5: 38-41 S-O '62.
- BOTANY—MORPHOLOGY**
 Effect of the habitat on changes in the morphological structure of wood vetch (*Vicia silvatica* L.). V. M. Ruskova. Blul. Glav. bot. sada no. 45:59-69 '62.
 Morphogenesis of *Sternbergia* on the Apsheiron Peninsula. G. E. Kapinos. Trudy Inst. bot. AN Azerb. SSR 23:23-50 '62.
- BOTANY—NOMENCLATURE**
 History of names of certain plants: "bagul'nik" and "omeg." V. A. Merkulova. Etim. issl. po rus. iaz. no. 3:15-18 '61.
- BOTANY—PERIODICALS** see subdivision under Poland
- BOTANY—STUDY AND TEACHING**
 Acquiring practical skills in the fifth grade botany classes. L. I. Prigoshanskaya. Biol. v shkole no. 5: 26-30 S-O '62.
 "Botany lessons in the fifth grade" by V. N. Fedorova. Reviewed by A. K. Ivanenko, A. P. Ordynets. Biol. v shkole no. 5:89-90 S-O '62.
 Independent work of students during the study of seeds. IU, S. Boreisho. Biol. v shkole no. 5:18-21 S-O '62.
- Lessons on graminaceous plants.** O. A. Ulianova. Biol. v shkole no. 6:13-19 N-D '62.
 Test papers for botany students. S. P. Men'shova. Blul. v shkole no. 6:8-12 N-D '62.
 Use of a textbook in the fifth grade botany classes. M. N. Rumiantseva. Blul. v shkole no. 5:22-26 S-O '62.
- BOTANY—VARIATION**
 Individual ecologic variability of Scotch pine. D. A. Stetskaya. Trudy Brians. tekhn. inst. 0:309-315 '60.
 Variability of chemical characters in *Mentha sachalinensis*. Report No. 2: Variability in free transpollination. A. G. Nikolaev, N. I. Shalikina. Trudy po khim. prirod. soed. no. 3:57-64 '60.
 Variability of chemical characters in *Mentha sachalinensis*. Report No. 3: Variability in self-pollination. A. G. Nikolaev, L. Galanova. Trudy po khim. prirod. soed. no. 3:121-127 '60.
 Variability of chemical characters in *Mentha sachalinensis*. Report No. 4: Variability in propagation by seeds. A. G. Nikolaev. Trudy po khim. prirod. soed. no. 3:11-26 '60.
- BOTANY, MEDICAL**
 (see also subdivision under Armenia)
 Answering our readers' questions. Ukraina no. 13:29 Ji '62.
 Symposium on medicinal and aromatic plants. V. S. Sokolov. Vest. AN SSSR 33 no. 2:100-107 F '63.
- BOTFLIES—BIOLOGICAL CONTROL** see subdivision under Kirghizistan
- BOTHNIA GULF REGION—GEOLOGY, STRUCTURAL**
 The Bothnia-Kandalaksha zone of a deep-lying trough in the earth's crust in the central part of the Baltic Shield. L. E. Shustova. Dokl. AN SSSR 148 no. 2: 418-419 Ja '63.
- BOTTLE WASHING**
 Improving the quality of bottle washing. I. A. Savchenko. Sprit. prom. 20 no. 1:20-30 '63.
- BOTTLED GAS** see Liquefied petroleum gas
- BOTTLING MACHINERY**
 Modernized automatic machine for liquid proportioning and bottling. Sprit. prom. 20 no. 1:31-32 '63.
- BOUNDARY LAYER**
 Effect of rotational and vibrational relaxation on a laminar boundary layer on a plate. IU, P. Lunikhin, I. A. Stetsko [Yen Hsi-chün]. PMTF no. 1:150-164 Ja-P '63.
 Effect of the transversal surface curvature on the characteristics of an isothermal axisymmetric turbulent boundary layer of a compressed gas. A. S. Ginevskii, E. E. Solodkhin. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:100-110 Ja-P '63.
 Injection of gases into a turbulent boundary layer with a longitudinal pressure gradient and its effect on frictional resistance. P. N. Romanenko, V. N. Khrushchakov. PMTF no. 1:77-83 Ja-P '63.
 "The laminar boundary layer equations" [in English] by N. Curle. Reviewed by IU, N. Pavlovskii. Zhur. vych. mat. i mat. fiz. 3 no. 1:207-208 Ja-P '63.
- BOUNDARY VALUE PROBLEMS**
 A boundary value problem for a second-order differential equation. IU, A. Klovov. Sib. mat. zhur. 4 no. 1:86-95 Ja-P '63.
 A boundary value problem for a Thomas-Fermi-Dirac equation. R. I. Anashchenko. Sib. mat. zhur. 4 no. 1: 3-16 Ja-P '63.
 Boundary value problem for linear and quasi-linear parabolic equations and systems. O. A. Ladyzhenskaya, N. N. Uralt'eva. Izv. AN SSSR, Ser. mat. 27 no. 2: 161-240 Ja-P '63.
 Continuous dependence on the initial data of the solution to the first boundary value problem for a parabolic equation with negative time. R. I. Glagoleva. Dokl. AN SSSR 148 no. 1:20-23 Ja '63.
 Dozin, A. A. [Invariant differential operators and boundary value problems] Invariantnye differentsialnye operatory i granichnye zadachi. Moskva, Izd-vo Akad. nauk SSSR, 1962. 87 p. (Akademicheskii nauch. Matematicheskii institut. Trudy, vol. 88)
 Dirichlet problem for an equation containing the Monge-Ampere operator. I. A. Bakel'man, I. A. Guberman. Dokl. AN SSSR 148 no. 2:247-250 Ja '63.
 Exponential boundary layer in problems involving a small parameter. S. A. Lomov. Dokl. AN SSSR 148 no. 3:516-519 Ja '63.
 First boundary value problem for an elliptic equation with singular coefficients. L. G. Mikhailov. Dokl. AN Tadzh. SSR 3 no. 5:3-8 '60.
 The form factor as a function of boundary conditions for some potential fields. M. A. Korobov. Zhur. tekhn. fiz. 32 no. 12:1413-1417 D '62.
 On certain nonlinear problems having several solutions. M. A. Kravtsovskii, V. I. Stetsenko. Sib. mat. zhur. 4 no. 1:120-137 Ja-P '63.
 On the deformation of surfaces of positive curvature with a boundary. G. S. Barkhin, V. T. Fomenko. Sib. mat. zhur. 4 no. 1:32-47 Ja-P '63.

BOUNDARY VALUE PROBLEMS (Continued)

- Removal of singularities in solving boundary value problems for a Laplace equation in a region with a smooth boundary. E. A. Volkov. Zhur. vych. mat. i mat. fiz. 3 no. 1:109-119 Ja-F '63.
- "Singular integral equations; boundary value problems in the theory of functions and some of their applications in mathematical physics" by N. I. Muskhelishvili. Reviewed by F. D. Gakhov. Zhur. vych. mat. i mat. fiz. 3 no. 1:206-207 Ja-F '63.
- Substantiation of a method for designing nonregular wave guides. A. G. Sveshnikov. Zhur. vych. mat. i mat. fiz. 3 no. 1:170-179 Ja-F '63.
- Theory of boundary value problems for general elliptic systems. L. R. Volevich. Dokl. AN SSSR 148 no. 3: 459-462 Ja '63.

BOYS—SOCIETIES AND CLUBS

- What is the function of the "children's rooms" of our police stations? A. Ignatovskaya, V. Zhukov. Sov. deput. trud. no. 3:101-103 Mr '63.

BRACHIOPODA, FOSSIL

- (see also subdivision under Kuznetsk Basin; Minsinsk Basin; Russian Platform; Siberia; Ural Mountains)
- Significance of the genus *Choristites* Fischer for the subdivision of Middle Carboniferous sediments in situ. [with summary in English]. V. I. Volgin. Vest. LGU 17 no. 24:26-33 '62.

BRACHYCEPHALY see subdivision under Great Britain

BRAIN

- "The brain and work; I. P. Pavlov's theory and problems in the scientific organization of work" by I. P. Pavlov. Reviewed by V. I. Kochetkova. Vop. antr. no. 10:157-158 '62.
- Characteristics of the propagation of excitation in the motor zones of the cerebral cortex and brain stem formations in the state of adaptation to spasmodic agents. S. A. Dolina. Dokl. AN SSSR 147 no. 5:1244-1246 D '62.
- Comparative analysis of morphological changes in the cortex and subcortical formations in the animal brain under the action of aminazine and mizlin on healthy animals. I. U. A. Geinisman. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:288-290 '62.
- Comparative role of the "horizontal" and the "vertical" connections within the cerebral hemispheres. G. M. Glumov. Fiziol. zhur. 48 no. 12:1437-1443 D '62.
- Developmental anomalies and malformations of the central nervous system in the offspring of gamma-irradiated animals. A. I. Ostrovskii and others. Radiobiologia 3 no. 1:98-92 '63.
- Effect of electric stimulation of the hippocampus on conditioned reflexes following the administration of aminazine. N. A. Tushmalova. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:265-270 '62.
- Effect of hydrazide poisoning on the γ -aminobutyric acid content in the brain [with summary in English]. A. V. Buzhinskaya, S. M. Voroshchagin, I. A. Sytnitskii. Vest. LGU 18 no. 3:140-142 '63.
- Effect of the intravenous and subcutaneous administration of royal jelly on glycolytic changes in and glucose consumption by the brain. S. V. Zakharov, E. A. Grigor'eva, L. A. Iakovleva. Inform. biol. o mat. moloch. no. 3:3-7 '62.
- On the differential growth of the brain in the postnatal ontogenesis in dogs. N. I. Dmitrieva. Dokl. AN SSSR 148 no. 1:236-237 Ja '63.
- Role of the reticular formation of the midbrain and the thalamus in the formation of motor dominance. P. I. Kalinin, Lul Khan'-Shen' [Lui Han-Shen]. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:57-68 '62.
- "Some theoretical problems of the structure and activity of the brain." Reviewed by I. G. Shevchenko. Vop. antr. no. 10:158-161 '62.

BRAIN—CALCIFICATION

- Obiteration of the subarachnoid spaces and calcification of the meninges following tuberculous meningitis. T. G. Khandrikova-Mareeva. Probl. sovr. neirokhir. 4:44-52 '62.

BRAIN—CANCER

- Significance of comparing clinical and encephalographic data in evaluating brain tumors of immature histological structure and malignant course. M. I. A. Motsona. Probl. sovr. neirokhir. 4:131-135 '62.

BRAIN—DISEASES

- Electrophoretic analysis of proteins of the cerebrospinal fluid and blood serum in tumors and inflammatory diseases of the brain. T. N. Lobkova. Probl. sovr. neirokhir. 4:76-84 '62.

BRAIN—INFLAMMATION see Encephalitis

BRAIN—PUNCTURE

- Results of perforation of the corpus callosum in hydrocephalus in children. M. V. Putshilo, V. I. Rostovskaya. Probl. sovr. neirokhir. 4:25-35 '62.

BRAIN—SURGERY

- Beloruskii gosudarstvennyi nauchno-issledovatel'skii institut nevrologii, neirokhirurgii i fizioterapii. [Problems of vascular neurosurgery] Prob'my vassudialnoi neirokhirurgii. Pod red. D. A. Markova i E. I. Zlotnik. Minsk, Izd-vo Akad. nauk BSSR, 1962, 277 p. (DNL)

- Clinical aspects and diagnosis of early complications following surgery performed under symptoms of intracranial hypertension. D. G. Zhuchenko. Probl. sovr. neirokhir. 4:53-61 '62.

- Dehydrating effect of a hypertonic urea solution [with summary in English]. E. I. Zlotnik, I. Z. Stolkars, F. I. Svito. Vrach. delo no. 11:77-81 N '62.

- Electrophysiological study of cortical reactions during neurosurgical interventions in the caudal regions of the human brain stem. V. E. Malorchik, L. A. Koreisha, G. A. Gabibov. Probl. sovr. neirokhir. 4:95-102 '62.

- Resection of the corpus callosum in animals with experimental hydrocephalus. M. V. Putshilo, V. I. Rostovskaya. Probl. sovr. neirokhir. 4:36-43 '62.

- Surgical approach to craniohypopharyngiomas from the side of the optic chiasm. A. S. Arutunova, N. D. Leibzon. Probl. sovr. neirokhir. 4:257-266 '62.

- Using ganglioblocking preparations in surgery on tumors of the cerebellum and the fourth ventricle. E. I. Kandell. Probl. sovr. neirokhir. 4:212-222 '62.

BRAIN—TUMORS

- Cerebrospinal fluid data in the clinical differentiation of brain tumors. G. P. Burgman, N. M. Linchenko. Probl. sovr. neirokhir. 4:82-89 '62.

- Characteristics of the otoneurological symptomatology in tumors of the posterior cranial fossa in children. N. S. Blagoveshchenskaya. Probl. sovr. neirokhir. 4: 235-241 '62.

- Clinical use of electroencephalography in far advanced brain tumors. D. G. Zhuchenko. Probl. sovr. neirokhir. 4:117-130 '62.

- Cochlear vestibular syndrome in tumors of the cerebral aqueduct. A. E. Sviridova. Probl. sovr. neirokhir. 4: 249-255 '62.

- Comparative study of the action of some antineoplastic preparations on tissue cultures of macroglial tumors of the human brain. A. E. Goshva. Probl. sovr. neirokhir. 4:296-306 '62.

- Detection of specific tumor antigens in the blood of patients with brain tumors. V. A. Korenevskaya. Probl. sovr. neirokhir. 4:307-314 '62.

- Electrical activity of the temporal muscles in brain tumors. N. N. Bragina. Probl. sovr. neirokhir. 4: 147-155 '62.

- Epileptic seizures in tumors of the motor areas. N. N. Bragina. Probl. sovr. neirokhir. 4:169-176 '62.

- Lesion of the nucleus of the oculomotor nerve in tumors of the brain stem; clinical anatomical comparisons. V. M. Pantileva. Probl. sovr. neirokhir. 4:267-277 '62.

- Overcoming the difficulties in using EEG for the diagnosis of intracerebral tumors. A. A. Sokolova, T. O. Paller. Probl. sovr. neirokhir. 4:103-116 '62.

- Pathology of the cerebrospinal fluid system in tumors and inflammatory diseases of the brain. S. I. Kuznetsova. Probl. sovr. neirokhir. 4:21-24 '62.

- Pneumoencephalography without escape of the cerebrospinal fluid in the diagnosis of brain tumors. N. P. Tsyzdik. Probl. sovr. neirokhir. 4:177-184 '62.

- Projection of the lateral ventricle on the sulci and gyri of the cerebrum in brain tumors. S. M. Blinikov, F. A. Brazovskaya. Probl. sovr. neirokhir. 4:95-94 '62.

- Röntgenotherapy of tumors of the brain stem and the reactions of the cardiovascular system to the irradiation. F. G. Ivanov-Diatlov, M. B. Kopylov. Probl. sovr. neirokhir. 4:283-295 '62.

- Role of the examination of ventricular cerebrospinal fluid in diagnosing tumors of the septum pellucidum. L. B. Likhnerman. Probl. sovr. neirokhir. 4:70-75 '62.

- Surgical approach to craniohypopharyngiomas from the side of the optic chiasm. A. S. Arutunova, N. D. Leibzon. Probl. sovr. neirokhir. 4:257-266 '62.

- Topography of the internal capsule in a healthy man and in a brain tumor. S. M. Blinikov, F. A. Brazovskaya. Probl. sovr. neirokhir. 4:315-321 '62.

- Using isotopes for the diagnosis of brain tumors. G. P. Kornianskii, F. M. Lissa. Probl. sovr. neirokhir. 4: 185-193 '62.

BRAIN—WOUNDS AND INJURIES

- Classification and diagnosis of slight, closed brain traumas. N. S. Draluk. Zdrav. Kazakh. 22 no. 11: 12-18 '62.

- Disturbance of cognitive processes accompanying lesions of the brain. Report No. 1; Disturbance of the structure of activity with frontal lobe lesions. A. R. Lurila. Dokl. APN 6 no. 5:105-108 '62.

- Disturbance of cognitive processes accompanying lesions of the brain. Report No. 2; Disturbance of the ability to solve problems in arithmetic with massive lesions of the frontal lobes. A. R. Lurila. Dokl. APN 6 no. 5: 108-112 '62.

- Use of neuroplegic and ganglioblocking agents in the treatment of craniovascular injuries [with summary in English]. F. G. Uglov, G. D. Luchko. Vest. khir. 89 no. 11:63-69 N '62.

BRANDY see subdivision under Armenia

BRATSK HYDROELECTRIC POWER STATION

- The Bratsk Hydroelectric Power Station. A. D. Sakov, B. Z. Umanskii, N. I. Fedotov. Elek. sta. 34 no. 1:7-13 Ja '63.

- The engine building of the Bratsk Hydroelectric Power Station. E. N. Bolikova. Gidr. stroi. 32 no. 9:7-12 S '62.

- Study of an artificial cooling process of solid concrete under natural conditions in the construction of the dams of the Bratsk Hydroelectric Power Station. Z. I. Dav. Energ. stroi. no. 30:54-60 '62.

- Use of hard concrete mixtures in the construction of the Bratsk Hydroelectric Power Station. G. L. Gershano-vich. Energ. stroi. no. 30:51-53 '62.

BRATSK HYDROELECTRIC POWER STATION—

PENSTOCKS

- Construction of penstocks at the Bratsk Hydroelectric Power Station. G. A. Polonskii. Gidr. stroi. 32 no. 9:13-18 S '62.

BRAZIL

- Bulatov, B. [Brazil] Brazilia. Moskva, Izd-vo "Znanie," 1963, 47 p. (Novoe v zhlznl, nauke, tekhnike, XII Seriya: Geologiya i geografika, no. 2)

BRAZIL—ECONOMIC CONDITIONS

- Socioeconomic development of Brazil in the middle of the 19th century [with summary in English, p. 223]. B. I. Koval'. Vop. ist. 38 no. 2:112-121 F '63.

BRAZIL—HISTORY

- "The history of Brazil" by R. Pombo. Translated from the Portuguese. Reviewed by A. M. Filippov. Nov. i novost. ist. no. 6:185-186 '62.

BRAZIL—INVESTMENTS, FOREIGN

- Struggle against the oppression of foreign capital. A. Karavaev. Mir, ekon. i mezhdunar. otn. no. 1:103-105 '63.

BRAZIL—POLITICS AND GOVERNMENT

- Brazil's new horizons. L. Kamynin. Nov. vrem. 20 no. 10:19-20 Mr '63.

BRAZIL—RELATIONS (GENERAL) WITH RUSSIA

- The "Kiss of Brazil." Vladislav Chuhunov. Ukraina no. 1:11 Ja '63.

BRAZING

- Brazing aluminum to steel. V. R. Rjabov. Mashinostro- enia no. 6:53-56 N-D '62.

BREAD

- Rapid method of making bread with wheat flour. L. F. Stollanova and others. Khleb. i kond. prom. 7 no. 1:5-10 Ja '63.

- Using maltaseactive yeasts in bread making. M. M. Semikhlova, E. P. Chulina. Khleb. i kond. prom. 7 no. 1:18-21 '63.

BREAKWATERS

- Shore-strengthening breakwaters made of shell columns. A. I. Freitman. Transp. stroi. 12 no. 7:52-53 Ji '62.

BREAM

- (see also subdivision under Kuybyshev Reservoir)
- Receptors of the chemical sense in the bream (*Abramis brama* (L.)). N. V. Bodrova. Vop. ikht. 2 no. 4:693-702 '62.
- Symposium on rosfish held by the International Commission for the Northwest Atlantic Fisheries and the International Council for the Exploration of the Sea in 1961. V. V. Barsukov, B. M. Mednikov. Vop. ikht. 2 no. 4:758-762 '62.

BREAST—BIOPSY

- Contrastless mammography and puncture biopsy in the diagnosis of diseases of the breast. M. P. Ishchenko. Klin. khir. no. 11:65-69 N '62.

BREAST—RADIOGRAPHY

- Contrastless mammography and puncture biopsy in the diagnosis of diseases of the breast. M. P. Ishchenko. Klin. khir. no. 11:66-69 N '62.

BRECHT, BERTOLT, 1898-1956

- Glumova-Glukhareva, E. I. [Dramaturgy of Bertolt Brecht] Dramaturgiia Bertolta Brekhta. Moskva, Vysshain shkola, 1962, 80 p. (V pamoshch' studentu-filologu)

BREST—COMMUNITY CENTERS

- Feel the pulse of life. T. Sadchuk. Klub 11 no. 8:10 Je '62.

BREST—THEATER

- Performances of the Brest Theater. A. Aleksandrov. Belarus' 20 no. 2:15 F '63.

BREST PROVINCE—BAPTISTS

- The bird cherry blossoms for you. Ivan Kirelchik. Rab. i stal. 30 no. 1:10-11 Ja '63.

BREST PROVINCE—FARM MECHANIZATION

- Mikalai Kaven'ka, a machinery operator. V. Shatsila. Belarus' 20 no. 2:25 F '63.

BREWERIES—EQUIPMENT AND SUPPLIES see sub-

division under Germany, West

BREWING INDUSTRY—BIBLIOGRAPHY see Bibliog-

raphy—Brewing industry

- BRIBERY**
We should try to eliminate the factors and conditions which contribute to pilfering and bribery. I.A. Gurvich. Sov. iust. no. 2:16-17 Ja '63.
- BRICK INDUSTRY** see subdivision under Mironovka
- BRICK INDUSTRY—EQUIPMENT AND SUPPLIES**
Savings in labor and paper. V. Kolomeichuk. Mest. prom. i khud. promys. 4 no. 2:28 F '63.
- BRICK WALLS**
Brick partitions with lateral reinforcement. I.U. Disakh. Sel'stroi. 15 no. 3:28 Mr '60.
Standard design of brick wall reinforcements for multi-story buildings in districts with a seismicity of nine points. I.A. M. Aizenberg. Trudy TSNIISK no. 18:155-190 '62.
Use of soil as insulation in lightweight brick walls. S. Vlasov. Sel'stroi. 15 no. 3:25-26 Mr '60.
- BRICKMAKING** see subdivision under Serdobs District
- BRIDGE CIRCUITS**
Active devices in precision bridge circuits. G. L. Grin. Izv. tekhn. 1:56-59 Ja '63.
A bridge-type phase shifter with a phase shift up to 180°. V. L. Danilov, V. A. Rodionov. Radiotekhnika 18 no. 1:72-77 Ja '63.
Calculation of transient processes in thermistor d. c. voltage stabilizers [with summary in English]. I. F. Voloshin. Avtom. i telem. 24 no. 2:285-300 F '63.
Performance of semiconductor thermal resistances in a bridge circuit with heating currents. V. F. Remnev. Priboirostroenie no. 1:8-10 Ja '63.
- BRIDGE CONSTRUCTION**
(see also subdivision under Karlstadt, Germany; Krasnoyarsk)
Assembly of the spans of a road bridge using a crane-truss. L. F. Baranov. Transp. stroi. 12 no. 9:21-23 S '62.
Bitumen and vacuum waterproofing of bridges. V. A. Kozhevnikov. Avt. dor. 25 no. 8:22 Ag '62.
Bridges can be constructed without waterproofing. N. A. Kalashnikov, O. F. Kuznetsova. Avt. dor. 25 no. 8:22-24 Ag '62.
Make wider use of composite beams in the spans of road bridges. E. E. Gibshman, N. A. Kalashnikov, I. N. Seregin. Transp. stroi. 12 no. 7:49-51 Ji '62.
Manufacture of experimental rubber bridge seats. L. I. Meshcheriakov. Transp. stroi. 12 no. 7:20-22 Ji '62.
The problem of using right-angle intersection when plotting the axes of dams and bridges. V. D. Krotov. Trudy DIT no. 32:208-218 '61.
Temporary footings and scaffoldings made of reinforced concrete pipe. L. N. Litvinov. Transp. stroi. 12 no. 9:23-25 S '62.
We will finish building the bridge on schedule. S. I. Bichkov. Transp. stroi. 12 no. 7:4 Ji '62.
- BRIDGES**
(see also subdivision under Moscow)
Leningrad. Inzhenerno-stroitel'nyi institut. Nauchnaya konferentsiya. [Roads and bridges; reports of the 20th Scientific Conference] Dorigi i mosty; doklady XX nauchnot konferentsii. Leningrad, 1962. 33 p.
- BRIDGES—DESIGN AND CONSTRUCTION**
Industrial trend in the design of bridges. E. I. Kryl'tsov. Avt. dor. 25 no. 12:9-11 D '62.
New effective method for regulating stresses in steel and reinforced-concrete spans of highway bridges. I. A. Khazan. Avt. dor. 25 no. 12:11-13 D '62.
- BRIDGES, ARCHED**
Effective axis of three-hinged arches in the Maillart system. Z. G. Reiburd. Trudy DIT no. 32:198-207 '61.
- BRIDGES, CONCRETE**
(see also subdivision under Orsk)
Assembly joints of components of reinforced concrete bridges. B. M. Veinblat. Avt. dor. 25 no. 12:16-17 D '62.
- BRIDGES, CONCRETE—DESIGN AND CONSTRUCTION**
Rossiiskii V. A., and others. [Examples of the design of precast reinforced-concrete bridges] Primorye prekritirovaniia sbornyykh zhelezobetonnykh mostov. Moskva, Avtotransizdat, 1962. 494 p.
- BRIDGES, IRON AND STEEL—DESIGN AND CONSTRUCTION**
Designing bridges considering the torsion of main beams. I. A. S. Fain. Avt. dor. 25 no. 12:23 D '62.
- BRIDGES, SUSPENSION**
Design of suspension bridges and gas pipelines for wind and seismic loads. I. I. Goidenblat. Trudy TSNIISK no. 18:3-19 '62.
- BRIDGES, WOODEN**
Prefabricated wooden bridges. G. Rudjakov, L. Pokrass. Avt. dor. 25 no. 12:13-15 D '62.
- BRILL'S DISEASE** see Typhus fever
- BRIQUETS (FUEL)**
Briquetting coal and anthracite breezes in a cold state. A. G. Shipkher and others. Ugol' prom. no. 6:34-36 N-D '62.
- BRISTOL BAY—SCKEY SALMON**
Investigation of the biology of the red salmon Oncorhynchus nerka (Walb.) in the Bristol Bay (Alaska). O. A. Mathisen. Vop. ikht. 3 no. 1:51-65 '63.
- BRITISH COLUMBIA—TRADE UNIONS**
Police dogs are used against Canadian workers. Carl Erickson. Vsem. prof. dvizh. no. 2:38-39 F '63.
- BRUSOV, VALERII IAKOVLEVICH, 1873-1924**
Valerii Brusov and Russian folk literature. E. S. Litvin. Rus. fol'k. 7:136-152 '62.
- BROACHING MACHINES**
Determining the depth of a shaving groove in broaches with inclined teeth. V. F. Bobrov. Stan. i instr. 34 no. 1:37-38 Ja '63.
Tunnel broaching. Mashinostroitel' no. 1:37 Ja '63.
- BROAD BEAN**
(see also subdivision under Ukraine)
Chekanova, N. I., and P. I. Kostrov. [Technology of cultivating forage beans] Tekhnologiya vozdel'nyvania kormovykh bobov. Moskva, Proftekhizdat, 1962. 41 p.
Growth and development of Vicia faba L. under the conditions of increased content of U and Ra. P. P. Vavilov and others. Radiokhimiya 3 no. 1:132-138 '63.
Nitrogen containing substances of the green bulk and seeds of horse beans (Vicia faba) as related to the stages of their development. V. G. Klimentko, A. D. Beresovikov. Trudy po khim. prirod. soed. no. 3:148-157 '60.
- BROD, IGNATI OSIPOVICH, 1902-1962**
Ignatii Osipovich Brod; obituary. Geol. nefit i gaza 9 no. 9:64-3 of cover S '62.
- BROILERS (POULTRY)**
Effect of stocking density on the raising of broilers. A. Chuchupal. Shor. stud. nauch. -issl. rab. VSKH 1 no. 1:235-237 '62.
- BROMINATION**
Bromination by dibromodioxane. Part 3: Effect of a substituent in a ring and in a phenol hydroxyl group on the rate of bromination. V. S. Karpinski, V. D. Liahenko. Zhur. ob. khim. 33 no. 2:606-609 F '63.
Cyclopropanes and cyclobutanes. Part 28: Bromination of arylcyclopropanes. R. I. A. Levina, P. A. Gembitskii, E. G. Treshchova. Zhur. ob. khim. 33 no. 2:371-376 F '63.
- BROMINE**
Bromine metabolism in epilepsy [with summary in English]. S. D. Rasin. Vrach. delo no. 11:81-84 N '62.
- BROMINE ISOTOPES**
Excretion in the urine of Br⁸² in nephrothiasis [in Georgian with summary in Russian]. A. Z. Gzirishvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10: 247-256 '62.
- BROMINE ISOTOPES—DECAY**
Internal conversion with pair formation in Br⁸² decay. N. B. Badalov and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:258-259 F '63.
- BRONCHI—ABNORMALITIES AND DEFORMITIES**
Tracheostenosis in a case of tracheal bronchus. I. G. Klimovich. Vest. khir. 89 no. 11:139-141 N '62.
- BRONCHI—FOREIGN BODIES**
Foreign body simulating a tumor of the bronchus. A. N. Kaidash. Klin. khir. no. 11:84 N '62.
- BRONCHI—SURGERY**
Closing of the defects in the trachea and the bronchus with a flap from the wall of the opposite bronchus. O. I. Burdzhnadzze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:153-165 '62.
- BRONCHI—TUMORS**
Extrapulmonary bronchogenic cysts in children [with summary in English]. M. G. Vinner. Vest. khir. 89 no. 11:126-127 N '62.
- BRONCHIECTASIS**
Late results of the surgical treatment of bronchiectasis. V. P. Ermolov. Klin. khir. no. 11:22-28 N '62.
- BRONZE AGE**
(see also subdivision under Trubechevsk region)
Magic and burial rites during the Chernyakhov epoch. E. A. Symonovich. Sov. arkhcol. 7 no. 1:49-60 '63.
- BRONZES** see subdivision under Nigeria
- BRONZES, ANCIENT** see subdivision under Azerbaijan
- BRUCELLA**
Effectiveness of a thermal unit in disinfecting waste water contaminated with Brucella. N. V. Sofronov. Trudy Uz. nauch. -issl. inst. vet. 14:81-83 '61.
- BRUCELLOSIS**
Antitoxic function of the liver in brucellosis [in Georgian with summary in Russian]. G. P. Adamina, K. A. Dzhihoradze. Trudy Tbil. GDUV 6:217-222 '62.
Changes in the urinary system in brucellosis. N. F. Khokhlov. Zdrav. Kazakh. 22 no. 11 29-32 '62.
Clinical aspects of brucellosis endocarditis [with summary in English]. V. N. Leiman. Vrach. delo no. 1:85-97 Ja '63.
Preparation of gamma globulins by ammonium sulfate precipitation and their testing in experimental brucellosis and Aujeszky's disease. V. E. Karneeva. Trudy VIEV 26:82-89 '62.
- BRUCELLOSIS—PREVENTIVE INOCULATION** see subdivision under Uzbekistan
- BRUCELLOSIS IN CATTLE**
(see also subdivision under Uzbekistan)
Differentiation of cattle infected with brucellosis and healthy cattle inoculated with strain No. 10 vaccine. K. D. Darvishiev. Trudy Uz. nauch. -issl. inst. vet. 14: 65-68 '61.
Methods of selecting brucellar animals before they are vaccinated in fresh infection foci and the epidemiological importance of cows which react long after the vaccination. G. S. Zasedateleva. Trudy VIEV 26:98-101 '62.
Results of the complement fixation test with different blood serum dilutions from cows infected with brucellosis. K. D. Darvishiev. Trudy Uz. nauch. -issl. inst. vet. 14:61-63 '61.
Study of immunobiological reactions in cattle vaccinated with strain no. 19 under different epizootological conditions. O. I. Morinkova, G. S. Zasedateleva. Trudy VIEV 26:90-97 '62.
- BRUSHES, ELECTRIC**
The first experience in using auxiliary brushes in the traction motors of electric locomotives. I. L. Shavlov. Elek. i topl. tuga 7 no. 2:9 F '63.
- BRUSSELS—CHURCHES**
Centennial of the Russian Church of St. Nicholas in Brussels. Abbott Kornilii. Zhur. Muft. i tse. no. 2:47 F '63.
- BRYANSK—AERONAUTICS—COMPETITIONS**
Training instructors of circles. V. Gurinov. Kryl, vol. 13 no. 7:15 Ji '62.
- BRYANSK—CONFECTIONERY**
Economic council in the trade. A. Nazarov. Sov. sverg. 36 no. 1:30-31 Ja '63.
- BRYANSK—CONSTRUCTION INDUSTRY**
The word is the commander of human strength. N. Shchevlev. Agitator no. 4:35-38 F '63.
- BRYANSK—VETERINARY LABORATORIES**
Veterinary museum at the provincial veterinary and bacteriological laboratory. N. N. Nikonov. Veterinariia 37 no. 7:13-16 Ji '60.
- BRYANSK PROVINCE—ARBORETUMS**
Arboretum of the Bryansk Institute of Forestry. N. V. Grozdov. Trudy Brian. tekhn. inst. 9:71-93, 34 '60.
- BRYANSK PROVINCE—BIRCH**
Form diversity of birches in the stands of the Karaevskaya Experimental and Training Forest Station. N. B. Grozdov. Trudy Brian. tekhn. inst. 9:84-91 '60.
- BRYANSK PROVINCE—BUCKWHEAT**
Hidden potentialities for increasing the production of buckwheat and reducing its cost in Bryansk Province. A. Rogozhkin. Ekon. sel'khoz. 34 no. 2:88-89 F '63.
- BRYANSK PROVINCE—CHERNOZEM SOILS**
Effect of coniferous plantations on some properties of Chernozems. V. G. Mitin. Trudy Brian. tekhn. inst. 9: 162-169 '60.
- BRYANSK PROVINCE—COTTONWOOD**
Cottonwood on sandy soils in Bryansk Province. V. V. Zotov. Trudy Brian. tekhn. inst. 9:163-161 '60.
- BRYANSK PROVINCE—EROSION**
Erosion zones in Bryansk Province; middle Dnna River basin. V. I. Filin. Trudy Brian. tekhn. inst. 9:131-133 '60.
- BRYANSK PROVINCE—FALSE INDIGO**
Oil content of the fruit of false indigo in Bryansk Province. V. A. Bogomaz. Trudy Brian. tekhn. inst. 9:290-294 '60.
- BRYANSK PROVINCE—FOREST ECOLOGY**
Grass yields of various forest sections. N. A. Osharov. Trudy Brian. tekhn. inst. 9:43-52 '60.
Herbaceous soil cover in pine stands of the Experimental and Training Forest Station of the Bryansk Technological Institute. M. I. Krylova. Trudy Brian. tekhn. inst. 9: 265-272 '60.
- BRYANSK PROVINCE—FOREST INFLUENCES**
Effect of collective farm forests in sparsely wooded areas on the thickness of the snow cover and the depth of soil freezing below it. S. G. Pilevskii. Trudy Brian. tekhn. inst. 9:24-30 '60.

- BUILDING MATERIALS INDUSTRY—EQUIPMENT AND SUPPLIES**
Shrom, V. V. [Machinery and equipment for the production of thermal-insulating building materials and elements] Mashiny i oborudovanie dlia proizvodstva teploizolatsionnykh stroitel'nykh materialov i izdelii. Moskva, Mashgiz, 1962. 133 p.
- BUILDING MATERIALS INDUSTRY—FINANCE** see subdivision under Kazakhstan
- BUILDING MATERIALS INDUSTRY—SAFETY MEASURES**
Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulations SN 231-62 for accident prevention at enterprises preparing reed and manufacturing reed slabs. In effect from January 1, 1963] Pravila tekhniki bezopasnosti na predpriyatiakh po zagotovke kamysha i izgotovleniu kamyshitovykh plit (SN 231-62). Vvoditsia v deystvie s 1 ianvaria 1963 g. Moskva, Gostroizdat, 1962. 30 p.
- BUILDING RESEARCH**
Dundich, E. I., V. F. Konstantinov, and V. A. Reusova. [Laboratory manual on the structural physics of exterior elements of buildings] Laboratornyi praktikum po stroitel'noi fizike ograditel'nykh konstruktsii zdanii. Khar'kov, Lzd-vo Khar'kovskogo univ., 1962. 192 p.
 Effect of the mass of a vibrating ground on a vibro-ramming process [with summary in English]. V. A. Gorokhov. Izv. vys. ucheb. zav. radiofiz. 5 no. 6:1220-1232 '62.
 In the Rural Buildings and Structures Research Institute. Biul. stroit. tekhn. 20 no. 2:33 F '63.
- BUILDING TRADES—STUDY AND TEACHING**
 (see also subdivision under Chechen-Ingush A.S.S.R.; Moscow Province)
 Advice on educational methods. I. Prostapenko. Prof.-tekh. obr. 19 no. 1:13-16 N '62.
 Favorable conditions for the training of construction workers. Z. Mazurovskii. Prof.-tekh. obr. 20 no. 1:12 Ja '63.
 In solving important problems... V. Kudinskii. Prof.-tekh. obr. 20 no. 1:10-11 Ja '63.
 Organizing a chapter of the All-Union Association of Inventors and Innovators in a school. V. Rykov. Prof.-tekh. obr. 20 no. 1:18 Ja '63.
 Two years of working in the new way. B. Blagman, G. Smirnov. Prof.-tekh. obr. 20 no. 2:4-7 F '63.
- BUILDINGS**
 New method of computing the resistance of exterior elements to heat exchange by calculating R_{tr}. V. N. Bogoslovskii. Vod. i san. tekhn. no. 1:15-20 Ja '63.
- BUILDINGS—DETAILS**
 Device for testing air and water tightness of joints in large-panel buildings. F. Ushkov, I. Shkunov. Zhil. stroit. no. 9:31 '62.
- BUILDINGS—VIBRATION**
 Free torsion-shear vibrations of buildings. V. S. Probozhenskii. Trudy TSNiisk no. 18:144-154 '62.
- BUILDINGS, INDUSTRIAL** see Industrial buildings
- BUILDINGS, PORTABLE**
 Mobile section buildings. S. V. TSarev. Mont. i spets. rob. v stroit. 25 no. 3:21-22 Mr '63.
- BUILDINGS, PREFABRICATED**
 (see also subdivision under Minsk)
 A house can be built in 12 to 15 days. Inform. biul. VDNKH no. 2:34-37 F '62.
 Sectional dismountable elements made of aluminum alloys. I. U. Melenevskii, E. Kalmykova. Na stroit. Ros. 3 no. 3:3 of cover Mr '62.
- BUKHARA—ARABS**
Vinnikov, I. N. [A dictionary of the dialect of the Bukhara Arabs] Slovar' dialekta bukharskikh arabov. Moskva, Lzd-vo Akad. nauk SSSR, 1962. 246 p. (Palestinskii sbornik, no. 10)
- BUKHARA PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING**
 When political education is not guided. R. Avezov. Part. zhizn' [Uzb.] 6 no. 1:84-86 Ja '63.
- BUKHTARMA HYDROELECTRIC POWER STATION**
 And there was a sea. Vokrug sveta no. 11:17 N '62.
- BUKOVINA—ATHEISM—STUDY AND TEACHING**
 Intensifying atheistic propaganda. P. Mel'nik. Agitator no. 7:57-58 Ap '62.
- BULAVIN UPRISING**
Pod'apol'skaya, E. P. [The Bulavin uprising, 1707-1709] Vostanie Bulavina, 1707-1709. Moskva, Lzd-vo Akad. nauk SSSR, 1962. 213 p.
- BULGARIA—CITIES AND TOWNS**
 "Cities of medieval Bulgaria" [in German] by D. Angelov. Reviewed by G. M. Lili. Vop. ist. 38 no. 2:187 F '63.
- BULGARIA—COMMUNIST PARTY**
 From first steps to a Leninist party. I. A. Serkedzhiev. Komm. Ukr. 37 no. 5:76-83 My '62.
- BULGARIA—DESCRIPTION AND TRAVEL**
 Three short stories. S. Muratov. Vokrug sveta no. 11:56-57 N '62.
- BULGARIA—ECONOMIC CONDITIONS**
 The Bulgarian-Soviet treaty; an interview with Stanko Todorov. Nov. vrem. 20 no. 11:4-5 Mr '63.
- BULGARIA—ECONOMIC POLICY**
 Bulgaria in twenty years. Komm. Mold. 7 no. 1:72-73 Ja '63.
- BULGARIA—FOREIGN ECONOMIC RELATIONS—RUSSIA**
 The Bulgarian-Soviet treaty; an interview with Stanko Todorov. Nov. vrem. 20 no. 11:4-5 Mr '63.
- BULGARIA—HISTORY**
 The 200th anniversary of the publication of "History of the Slave-Bulgarian people" by Paisii Khilendarski. Ivan Snegarov. Vop. ist. 38 no. 2:202-205 F '63.
- BULGARIA—IRRIGATION FARMING**
 Estimate year and some multiple indices in soil improvement planning. Georgi Markov. Gidr. i mel. 14 no. 1:53-61 Ja '63.
- BULGARIA—MOTION-PICTURE PLAYS**
 New Bulgarian films. L. Pogozheva. Isk. kino 33 no. 1:138-141 '63.
- BULGARIA—ORTHODOX EASTERN CHURCH—PERIODICALS**
 Review of "Tserkoven Vestnik," journal of the Bulgarian Orthodox Church, for the first half of 1962. V. Talin. Zhur. Mosk. Patr. no. 1:77-79 Ja '63.
- BULGARIA—POLITICS AND GOVERNMENT**
Bulgarska Komunisticheska partia. Tsentralen komitet. [Report of the Central Committee of the Communist Party of Bulgaria to the Eighth Congress of the party] Otchetnyi doklad Tsentral'nogo komiteta Bolgarskoi Komunisticheskoj partii VIII s'ezdu partii. [By] Todor Zhivkov. Moskva, Gospolitizdat, 1963. 100 p.
- BULGARIA—RAILROADS**
 Possibilities of the expansion of railroad transportation in the Bulgarian People's Republic. T. S. Barbov. Zhei. dor. transp. 45 no. 2:87-90 F '63.
- BULGARIA—RELATIONS (GENERAL) WITH RUSSIA**
 Clear as a mountain brook. D. Bocharov. Sov. pech. no. 8:50-52 Ag '62.
- BULGARIA—VITICULTURE**
Mager, M. I., and M. A. Peliakh. [Viticulture in Bulgaria] Vinogradarstvo Bolgarii. 2., perer. i dop. izd. Pod red. I. G. Volontira. Kishinev, Lzd-vo sel'khoz. lit-ry M-va sel'khoz. Moldavskoi SSR, 1962. 137 p. (DNLM)
- BULLS**
 Breeding qualities of herd bulls on the Yelan' Breeding Farm. A. Chekhov. Sbor. stud. nauch.-issl. rab. VSKhI 1 no. 1:275-278 '62.
- BUNAK, VIKTOR VALERIANOVICH, 1891-**
 A list of V. V. Bunak's basic printed works; on his 70th birthday. Vop. antr. no. 10:168-173 '62.
 Professor V. V. Bunak's seventieth birthday. V. P. Iakimov. Vop. antr. no. 10:154-155 '62.
- BUNTING (BIRDS)** see subdivision under Moscow Province
- BUOYS**
 Simplification of the buoyage system in U.S.S.R. waters. V. M. Rusanov. Inform. sbor. TSNiMF no. 66. Sudovozh. i sviaz' no. 17:10-15 '61.
- BURBOT** see subdivision under Kuybyshev Reservoir
- BURIAL** see subdivision under Mingeaur
- BURLAP**
 Processing of viscose and cuprammonium fibers in the hemp and jute industry. P. F. Chemagina, P. I. Gorlov. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:56-63 '62.
- BURMA**
 The Union of Burma. P. Uralov. Otv. na vop. trud. no. 11:48-57 N '62.
- BURMA—ECONOMIC CONDITIONS**
 On the banks of the Irrawaddy. V. I. Eremenko. Ukraina no. 1:6 Ja '63.
 "State capitalism in present-day Burma" by I. V. Vasil'ev. Reviewed by A. F. Zhabrev. Nar. Az. i Afr. no. 1:202-205 '63.
- BURMA—ECONOMIC POLICY**
 Burma is breaking out of economic bondage. I. U. Bochkarev. Nov. vrem. 20 no. 10:15-17 Mr '63.
- BURMA—HISTORY—PERIODICALS**
 "Journal of the Burma Research Society," a Burmese periodical. M. G. Kozlova. Vop. ist. 38 no. 2:183-185 F '63.
- BURMA—POLITICS AND GOVERNMENT**
Kozlova, M. G. [Burma on the eve of British conquest; its social order and state system] Birma na kome angliiskogo zavoevaniia; obshchestvennyi i gosudarstvennyi stroi. Moskva, Lzd-vo vostochnoi lit-ry, 1962. 176 p.
- BURMA—SOCIAL CONDITIONS**
Kozlova, M. G. [Burma on the eve of British conquest; its social order and state system] Birma na kome angliiskogo zavoevaniia; obshchestvennyi i gosudarstvennyi stroi. Moskva, Lzd-vo vostochnoi lit-ry, 1962. 176 p.
- BURMESE LANGUAGE—GRAMMAR**
 Parts of speech in the Burmese language. D. I. Eliseev. Uch. zap. LGU no. 306:63-67 '62.
- BURMESE LANGUAGE—VERB**
 Compound verbs in the Burmese language. D. I. Eliseev. Uch. zap. LGU no. 306:61-64 '61.
- BURNING OF LAND**
 Effect of fire on the regeneration of Sukachev's larch in the Central Ural. N. A. Konovalov, V. B. Logunovskii. Izv. vya. uchob. zav.; les. zhur. 6 no. 5:15-18 '62.
- BURNS AND SCALDS**
 Burns of the respiratory tract [with summary in English]. L. M. Klishchkin and others. Vest. khir. 86 no. 11:41-48 N '62.
 Chemical burns of the stomach and their treatment [with summary in English]. A. S. Konovalov, S. I. Kabanov. Sov. med. 26 no. 12:13-18 D '62.
 Electrocardiographic indices in burns. E. G. Kabanovskii. Vrach. delo no. 11:145-147 N '62.
 Isolated burn of the stomach caused by concentrated sulfuric acid. M. D. Zabolotnyi. Klin. khir. no. 11:82-83 N '62.
Mukhin, M. V. [Treatment of head, face, and neck lacerations and their aftereffects] Lechenie ozhogov golovy, litsa, shoi i ikh posledstviia. [Leningrad] Medgiz, 1961. 162 p. (Biblioteka prakticheskogo vracha) (DNLM)
- BURSITIS**
 Chronic traumatic bursitis in miners. V. M. Solov'skii. Klin. khir. no. 12:20-24 D '62.
- BURYAT A.S.S.R.—ARCHIVES**
 Archaeographical expeditions in 1959 and 1960 on the territory of the Buryat A.S.S.R. V. B. Davlov-Sil'vanskii, A. I. Rogov. Etn. sbor. no. 2:103-107 '61.
- BURYAT A.S.S.R.—ART INDUSTRIES**
 Once they were famous... M. Volkova. Med. prom. i khud. promys. 3 no. 12:37 D '62.
- BURYAT A.S.S.R.—ETHNOLOGY**
 Activities of the ethnographic detachment. I. E. Tuguev, G. A. Okhrimenko. Etn. sbor. no. 2:152-156 '61.
- BURYAT A.S.S.R.—HISTORY**
Donkov, B. TS., and B. D. Baluev. [Pravda on Buryat-Mongolia; on the fiftieth anniversary of the newspaper Pravda] Pravda o Buriatii; k 50-letiiu gazety Pravda. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 53 p.
- BURYAT A.S.S.R.—LABOR AND LABORING CLASSES**
 Ethnographic studies of the working class of Buryatia. B. M. Mitupov. Etn. sbor. no. 2:5-6 '61.
- BURYAT A.S.S.R.—NATURAL RESOURCES**
Buriatskai konferentsia po okhrane prirody. 1st. Ulan-Ude, 1961. [Problems in the protection of nature in the Buryat A.S.S.R.] Voprosy okhrany prirody Buriatii; materialy. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 126 p.
- BURYAT A.S.S.R.—NEW YEAR**
 The "Isagilgon" (New Year) in a new form. B. D. Tshibakov. Etn. sbor. no. 2:20-28 '61.
- BURYAT A.S.S.R.—SHAMANISM**
 Disappearance of the survivors of Shamanism among the Buryats. I. Manzhigeev. Etn. sbor. no. 2:19-19 '61.
- BURYAT A.S.S.R.—TUNGUSES**
 Some data on the ethnography of the Evenki of Buryatia. M. G. Voskobainikov. Etn. sbor. no. 2:20-42 '61.
- BURYAT A.S.S.R.—WOOD CARVING**
 Wood carving of the "semoiskie" Russians. G. I. Okhrimenko. Etn. sbor. no. 2:71-84 '61.
- BURYAT POETRY—HISTORY AND CRITICISM**
 "Boundaries of poetry" by N. Dandinov. Reviewed by A. Dmitrieva. Vop. lit. 6 no. 12:218-220 D '62.
- BURYATS**
 (see also subdivision under Altai region; Irkutsk Province)
 Dairying among the Buryats in the Barguzin region. D. TS. Urliubev. Etn. sbor. no. 2:137-140 '61.

BURYATS (Continued)

Ethnographic studies of the working class of Buryatia. B. M. Mitupov. Etn. sbor. no. 2:5-8 '61.

Materials on Buryat tribes and clans. S. P. Baldaev. Etn. sbor. no. 2:128-133 '61.

A new exhibit in the Ethnographical Museum of the Peoples of the U.S.S.R. E. A. Khamzina. Etn. sbor. no. 2:163-164 '61.

BUS CONDUCTORS (ELECTRICITY)—WELDING

Hand welding of aluminum box-shaped busducts. I. U. M. Frolov, L. M. Matsnev. Mont. i spets. rab. v stroi. 25 no. 3:15-16 Mr '63.

BUSINESS CYCLES

Kuz'minov, I. I. [Postwar capitalist cycle] Poslevoennyi kapitalisticheskii tsikl. Moskva, Sotsekgiz, 1962. 187 p.

BUTADIENE

Acetylene-allene-diene rearrangements of diphosphites with a β,γ -acetylene bond in a common ester radical. A. N. Pudovik, I. M. Aladzheva. Zhur. ob. khim. 33 no. 2:708-709 F '63.

Chemistry of some α -substituted 1,3-alkadienes. I. I. Guseinov, G. S. Vasil'ev. Usp. khim. 32 no. 1:40-59 Ja '63.

Dielectric properties of styrene stereocopolymers. P. F. Yessolovskii, E. P. Vorob'eva. Plast. massy no. 2:6-11 '63.

Effect of the nature of ether on the copolymerization of styrene and divinyl by butyllithium [with summary in English]. S. P. Mitsengender and others. Vysokom. soed. 5 no. 2:212-216 F '63.

Interaction of divinyl and isoprene hydrochlorides with sodium acetate ester. L. I. Bunina-Krivorukova, A. A. Petrov. Zhur. ob. khim. 33 no. 2:427-432 F '63.

Polymerization of butadiene with acrylonitrile in the presence of redox systems. B. E. Kutsenok and others. Kauch. i rez. 22 no. 2:1-4 F '63.

BUTADIENE POLYMERS

Effect of the association of polybutadiene macromolecules in various solvents. I. I. A. Podubnyi and others. Dokl. AN SSSR 148 no. 2:384-387 Ja '63.

BUTANE

Addition of α -chloroalkyl ethers to styrene and the transformations of 1-phenyl-1-chloro-3-methoxybutane obtained. S. A. Vartanian, F. V. Dangian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:443-447 '62.

BUTANEDIOL

Catalytic dehydration of 3-methyl-1,3-butanediol. L. Kh. Freidlin and others. Neftekhimiya 3 no. 1:104-107 Ja-F '63.

BUTANOL

Esterification of acetic acid and its homologues by butanol. A. M. Smolenskai, V. N. Kozlov. Trudy Inst. khim. UFAN SSSR no. 6:47-53 '61.

BUTASHEVICH-PETRASHEVSKII, MIKHAIL VASIL'E-VICH, 1821-1866

New documentary materials on M. V. Petrashevskii. A. V. Dulov. Ist. arkh. 8 no. 6:101-103 N-D '62.

BUTENE

Copolymerization of vinyl acetate with 1, 3-dichloro-2-butene and the transformations of the copolymer obtained. A. A. Durgarian, A. S. Grigorian, O. A. Chalykian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:455-461 '62.

BUTENYNE

Chemistry of vinylacetylene. Report No. 36: Condensation of vinylacetylene and isopropenylacetylene with aldehydes and ketones in the presence of a caustic potash powder without solvent. S. A. Vartanian, V. N. Zhamgortsean, Sh. O. Badanian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:449-454 '62.

Conjugated systems. Part 166: Addition of butyllithium and tertiary butyllithium to vinyl-tri-*t*-butylacetylene. A. A. Petrov, I. A. Mareina, V. A. Kormer. Zhur. ob. khim. 33 no. 2:413-415 F '63.

Conjugated systems. Part 168: Course of the addition of hydrogen halides to dienyne hydrocarbons - vinyl-allylacetylene and its homologs. A. A. Petrov, I. I. Porfir'ova. Zhur. ob. khim. 33 no. 2:419-427 F '63.

BUTYL PHOSPHATES

Determination of the optimum conditions for the extraction of microquantities of hafnium with tributyl phosphate. L. N. Kornissanova and others. Zav. lab. 29 no. 1:65-68 '63.

Extraction of zirconium and hafnium with *n*-tributyl phosphate from solutions containing nitric and hydrochloric acids. A. M. Reznik and others. Radiokhimiya 5 no. 1:40-50 '63.

Mathematical model for the process of extractive separation of hafnium and zirconium with tributyl phosphate. I. U. V. Granovskii and others. Zav. lab. 29 no. 1:60-65 '63.

Solvation of uranyl chloride by tri-*n*-butyl phosphate. V. M. Vdovenko, A. A. Lipovskii, S. A. Nikitina. Radiokhimiya 5 no. 1:130-141 '63.

BUTYL RUBBER

Use of butyl rubber in anticorrosion rubbers. A. I. Labutin, E. A. Makarova, A. A. Semenov. Kauch. i rez. 22 no. 2:19-21 F '63.

BUTYLAMINE

Determination of the content of acetic butylamine in a ceprolactam melt. A. A. Temkina, G. V. Novikova. Khim. volok. no. 1:74 '63.

BUTYNYL GROUP

Cleavage reactions in quaternary ammonium compounds. Report No. 1: Reaction of salts containing a butyn-2-yl group with alkali hydroxide. A. T. Babayan and others. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:429-434 '62.

BUTYRIC ACID

Distribution of propionic and butyric acids between the nonaqueous and aqueous phases at various temperatures as related to the concentration of acids. V. N. Kozlov, G. A. Tokareva. Trudy Inst. khim. UFAN SSSR no. 6: 41-45 '63.

Effect of gamma-aminobutyric acid on the strychnine-induced potential of the cerebral cortex. A. S. Batuev, I. A. Sytinskii. Dokl. AN SSSR 147 no. 5:1242-1243 D '62.

Effect of hydrazide poisoning on the γ -aminobutyric acid content in the brain [with summary in English]. A. V. Bushinskai, S. M. Vereshchagin, I. A. Sytinskii. Vest. LGU 18 no. 3:140-142 '63.

BUTYRONITRILE

Reaction of crotononitrile and β -di-alkylaminobutyronitriles with aromatic amines. P. F. Butskus, G. I. Duda. Zhur. ob. khim. 33 no. 2:620-631 F '63.

BUTYROPHENONE

New class of neuroleptic substances-butyrophenone derivatives. G. I. Ayvutskii. Trudy Gos. nauch.-issl. inst. psikh. 36:363-371 '62.

Protection of animals from gamma rays with the help of some aminophenones. E. F. Romantsev, M. V. Tikhomirova. Radiobiologiya 3 no. 1:126-129 '63.

BUZACHI PENINSULA—BIRDS

Seasonal aspects in the life of birds of Caspian deserts and the coastal region (Mangyshlak and Buzachi Peninsulas). V. Z. Zaletsov. Ornitologiya no. 5:109-174 '62.

BYLNY

Karelin tales and narrations of the byliny on Il'ia Muromets. V. I. A. Evseev. Trudy Kar. fil. AN SSSR no. 35:107-115 '62.

The Novgorod byliny and chronicles. S. N. Azbelev. Rus. fol'k. 7:44-51 '62.

DYZANTINE EMPIRE—HISTORY—SOURCES

Dyzantine Empire. Laws, statutes, etc., 886-911 (Leo VI, the Wise) [The Byzantine "Book of the Prefect." Translated from the Greek] Vizantiiskaia Kniga Epar-kha. Vstup. stat'ia, perevod i kommentarii M. I. A. Bluzumova. Moskva, Izd-vo vostochnoi lit-ry, 1962. 283 p. (Pamiatniki srednevekovoi istorii narodov TSentral'noi i Vostochnoi Evropy)

CABBAGE—FERTILIZERS AND MANURES

Effect of fertilizers on the yield of cabbage and peas sown along with oats on reclaimed virgin lands. O. S. Krasivskai, Biul. nauch.-tekh. inform. SZNIISKH no. 3:14-16 '58.

CABBAGE—PRESERVATION

Use of ultraviolet rays in the preservation of cabbage. M. Danilov, A. Grimm. Sov. iorg. 36 no. 10:35 O '62.

CABBAGE—VARIETIES

Forage cabbage. F. M. Tkachenko. Shkola i proizv. 6 no. 8:64-66 Ag '62.

CABLEWAYS

"Cable suspended transportation in hydraulic engineering construction" by I. M. Podurovskii. Reviewed by G. D. Petrov. Gidr. stroi. 32 no. 8:62-63 S '62.

Suspension cable. B. V. Zhiganov. Shkola i proizv. 6 no. 9:55-58 S '62.

CADMIUM—ELECTROMETALLURGY

Behavior of lead anodes and reduction of the lead content of cathodic deposits in cadmium electrolysis. O. A. Khan, G. N. Sosnovskii. TSvet. met. 36 no. 2:32-37 F '63.

CADMIUM-MAGNESIUM ALLOYS see Magnesium-cadmium alloys

CADMIUM PLATING

Plin, V. A. [Zinc and cadmium plating] TSinkovanie i kadmirovanie. Pod red. P. M. Vlachoslavova. Izd. 2., dop. i perer. Moskva, Mashgiz, 1961. 48 p. (Biblioteka gal'vanotekhnika, no. 2)

CADMIUM SALTS

Effect of cadmium ions on the adsorption of hydrogen on a palladium coated platinum electrode. D. V. Sokol'skii, N. A. Zakharina, G. D. Zakumbaeva. Dokl. AN SSSR 148 no. 3:630-632 Ja '63.

CADMIUM SULFIDE—ABSORPTION SPECTRA

Two energy states of valence electrons in cadmium sulfide. A. V. Ivanov. Izv. AN SSSR. Ser. fiz. 27 no. 3:359-361 Mr '63.

CADMIUM SULFIDE CRYSTALS

Developing new methods for CdS crystal growing from solutions. D. S. Hidnain, I. A. Obukhovskii, L. A. Sysoev, Zhur. nauch. khim. 7 no. 12:2671-2673 D '62.

CAESIUM see Cesium

CALCIUM—ANALYSIS

Determination of calcium in modified cast irons [with summary in English]. D. V. Bezuglyi, A. A. Amsheeva. Zhur. anal. khim. 17 no. 9:1045-1051 D '62.

CALCIUM CARBIDE—STATISTICS

Growth of production and consumption of calcium carbide in foreign countries. I. I. A. Turov. Svar. proizv. no. 1:41-42 Ja '63.

CALCIUM CHLORIDE—PHYSIOLOGICAL EFFECT

Effect of calcium chloride on the blood picture and the contractile activity of the uterus in cows [in Armenian with summary in Russian]. A. O. Manasian, A. S. Grigorian. Izv. Olav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 1:87-96 '62.

CALCIUM FLUORIDE

Surface properties of melts based on CaF_2 . I. U. P. Nikitin, V. G. Korpachev, A. N. Saifonnikov. Dokl. AN SSSR 148 no. 1:160-161 Ja '63.

CALCIUM ISOTOPES

Extraction method of isolation of carrier-free calcium-45 from fast neutron-irradiated scandium. V. I. Levin and others. Radiokhimiya 5 no. 1:37-41 '63.

CALCIUM MOLYBDATE

Studying the process of calcium molybdate precipitation from solutions containing sulfate ions. Report no. 1. K. B. Lebedev. Izv. AN Kazakh. SSR. Ser. nat., obog. i ogneup. no. 2:32-42 '58.

CALCIUM OXIDES

Interaction of magnesite-chromite with calcium oxide. I. A. V. Khucharov, V. G. Eger. Ogneupory 28 no. 3: 128-133 '63.

CALCIUM PHOSPHATES

Effect of bacteria decomposing $\text{Ca}_3(\text{PO}_4)_2$ on the development of corn. N. V. Sergeeva. Izv. AN Mold. SSR no. 7:79-88 '62.

CALCIUM SILICATES see subdivision under Talas Ala-Tau

CALCULATING MACHINES

Calculating device. Mashinostroitel' no. 1:18 Ja '63.

Example of using a calculating machine to compute the optimum operating conditions for hydroelectric and thermal electric stations. V. G. Begliarov. Izv. AN Arm. SSR. Ser. tekhn. nauk 15 no. 6:57-58 '62.

Light-operated computer. Priroda 52 no. 2:67 '63.

Supply agriculture with calculating machines. A. A. Bachurin. Uchet i fin. v kol'khoz. i sovkh. 20 no. 1: 52-54 Ja '63.

Study of the use of calculating machines in regulating movement in open-pit haulage. A. V. Gudkov, A. D. Shkol'nikov. Gor. zhur. no. 2:46-48 F '63.

CALCULATING MACHINES—EXHIBITIONS

Mechanization of engineering computations. Biul. stroi. tekhn. 20 no. 2:43-44 F '63.

CALCULI, URINARY

Excretion in the urine of Br-82 in nephrolithiasis [in Georgian with summary in Russian]. A. Z. Gzirishvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10: 247-256 '62.

Microelement composition of the blood of patients with nephrolithiasis [in Georgian with summary in Russian]. V. S. TSintadze. Trudy Tbil. GIDUV 6:411-413 '62.

Treatment of nephro-ureterolithiasis [in Georgian with summary in Russian]. L. D. TSiskarishvili. Trudy Tbil. GIDUV 6:155-166 '62.

Work capacity following the surgical treatment of urolithiasis. A. F. Uchugina. Vost. khir. 88 no. 11:135-136 N '62.

CALCULUS

On the remainder of Merten's formula. A. I. Vinogradov. Dokl. AN SSSR 148 no. 2:262-263 Ja '63.

CALCULUS, OPERATIONAL

Some applications of operational calculus to problems of analysis. N. A. Meiler. Zhur. vych. mat. i mat. fiz. 3 no. 1:71-78 Ja-F '63.

Use of operational calculus in the study of periodic processes. I. G. Kilatskin. Radiotekhnika 18 no. 1:3-11 Ja '63.

- CALCULUS OF DIFFERENCES** see Difference equations
- CALCULUS OF PREDICATES**
Two variants of the classical calculation of predicates without structural rules of derivation. V. A. Matulis. Dokl. AN SSSR 147 no. 5:1029-1031 D '62.
- CALCULUS OF TENSORS**
Calculating the tensor of electroconductivity. N. M. Plakida. Dokl. AN SSSR 147 no. 5:1067-1070 D '62.
On the theory of compensating fields. G. A. Sokolik. Dokl. AN SSSR 148 no. 3:549-551 Ja '63.
Tensor fields on an n-dimensional sphere. N. I. Glazunov. Dokl. AN SSSR 148 no. 2:264-267 Ja '63.
- CALCULUS OF VARIATIONS**
Linear variation - the length of a curve. T. S. Latysheva. Izv. AN SSSR, Ser. mat. 27 no. 1:61-66 Ja-F '63.
Use of the theorem of integral residues in the case of a multiple-pole Laplace transform. B. I. Blazhukovich, L. G. Kompaneits. Avtom. kont. i izm. tekhn. no. 6:7-10 '62.
- CALENDAR**
Future universal calendar. V. Bilan. Ukraina no. 1:10 Ja '63.
- CALENDARS**
[Brief astronomical calendar for the year 1963] Kratki astronomicheski kalendar' na 1963 god. Kiev, Izd-vo Akad. nauk USSR, 1962, 101 p.
[Calendar for farmers, 1963] Sel'ski kalendar' 1963. Moskva, Sel'khozizdat, 1963, 190 p. (DNAL)
- CALF** see Calves
- CALLISTHENICS**
Effect of physical exercises on intellectual work capacity during the night shift. I. U. K. Dem'ianenko. Teor. i prak. fiz. kult. 25 no. 12:55-58 D '62.
Rate of exercises during the intermission for physical culture. A. M. Gorchakov. Teor. i prak. fiz. kult. 25 no. 12:58-60 D '62.
- CALLUS (BOTANY)**
Intensity of the healing of living stumps. A. P. Shadnev, S. P. Maevskii. Trudy Briansk. tekhn. inst. 9:16-23 '60.
- CALMING OF WAVES** see Waves, Calming of
- CALORIMETRY**
Theory of the all-purpose electronic calorimeter method. E. V. Kudrjavtsev, K. N. Chakalev. Trudy MTIPP 15: 36-40 '60.
- CALVES**
Pulmonary gas interchange in calves of various constitutional types. F. I. Ishankulova. Zhivotnovodstvo 23 no. 7:84-86 Ji '61.
- CALVES—DISEASES AND PESTS**
(see also subdivision under Moscow region; Tashkent Province; Uzbekistan)
Histopathology of the liver in toxic dyspepsia of newborn calves. L. Kosinov. Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:173-177 '62.
Role of vitamin and mineral deficiencies in the etiology of dyspepsia in newborn calves. A. A. Alekseeva. Trudy Uz. nauch.-issl. inst. vet. 14:189-196 '61.
- CALVES—FEEDING AND FEEDS**
Construction of pens for group feeding of calves. L. I. Bronfman, L. S. Polonskii. Zhivotnovodstvo 23 no. 6: 34-35 Je '61.
Effect of technical biomycin (Actibios-M) on the growth of calves [in Armenian with summary in Russian]. L. G. Vardevanian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:73-79 '62.
Practices in the organization of a group-shift method for raising calves with nurse cows on the R. Khavskii Collective Farm in Novaya Usman' District, Voronezh Province. I. Bugakov, V. Khromykh. Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:273-274 '62.
Raising calves with nurse cows as a way for economic use of protein. I. G. Kuz'min. Zhivotnovodstvo 23 no. 7:43-45 Ji '61.
Using substitutes for whole milk in feeding calves. V. E. Kondyrev. Zhivotnovodstvo 23 no. 7:41-43 Ji '61.
- CAMBODIA—EDUCATION**
In Cambodia. A. Andreev. Nar. obr. no. 2:109-112 F '63.
- CAMBODIA—POSTAGE STAMPS**
A peace-loving government in Asia. V. Sergin. Az. i Afr. seg. no. 2:60 F '63.
- CAMERA, ELECTRON DIFFRACTION** see Electron diffraction apparatus
- CAMERAS**
Bunimovich, D. Z. [Selecting a camera] Vybór fotoapparata. Pod red. E. A. Iofisa. Moskva, Izd-vo "Iskusstvo," 1962, 127 p. (Biblioteka fotolubitelia, no. 28)
High-speed "ZhLV-1" time lapse camera. G. L. Shnirman and others. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:50-56 Ja-F '63.
- CAMEROON—TRADE UNIONS**
In our country, the Cameroon. J. Fondem. Nov. vrem. 20 no. 11:16-17 Mr '63.
- CAMPS**
(see also subdivision under Crimea)
School camps. V. Morokhov. Shkola i proizv. 7 no. 1: 90 Ja '63.
Volkov, K. N. [When the work is real; from the practice of a tourist camp] Kogda delo nastolashchee; iz opyta raboty turistskogo lageria. Moskva, Izd-vo "Znanie," 1963, 47 p. (Novoe v zhizni, nauke, tekhnike. XI Seria: Pedagogika, no. 5)
- CAMS**
Investigating the reliability of the design of cam mechanisms for automatic machine tools. P. M. Chernianskii. Izv. vyz. ucheb. zav.; mashinost. no. 9:131-139 '62.
- CANADA—COMMUNIST PARTY**
Impact of the Great October Revolution on the Canadian labor movement [with summary in English, p. 188]. Tim Buck. Nov. i noveish. ist. no. 6:8-21 '62.
- CANADA—ECONOMIC ZONING**
Problems of the economic regionalization of Canada in bourgeois literature. L. B. Semevskaia. Uch. zap. LGU no. 315:142-153 '62.
- CANADA—ELECTIONS**
Canada before the elections. S. Molochkov. Nov. vrem. 20 no. 11:18-20 Mr '63.
- CANADA—FIELD MICE**
Taxonomic characteristics of the red-backed bank vole *Chlethrionomys rutilus* from the subarctic areas of North America. V. N. Bol'shakov, S. S. Shvarts. Trudy Inst. biol. UFAN SSSR no. 29:53-56 '62.
- CANADA—FOREIGN ECONOMIC RELATION—COMMON-WEALTH OF NATIONS**
Canada and the Commonwealth of Nations. V. Sushchenko. Mir, ekon. i mezhdunar. otn. no. 1:36-46 '63.
- CANADA—HISTORY**
Impact of the Great October Revolution on the Canadian labor movement [with summary in English, p. 188]. Tim Buck. Nov. i noveish. ist. no. 6:8-21 '62.
- CANADA—INVESTMENTS, BRITISH**
Canada and the Commonwealth of Nations. V. Sushchenko. Mir, ekon. i mezhdunar. otn. no. 1:36-46 '63.
- CANALS** see Salma Canal
- CANCER**
Differences in the nature of the suppression of protein biosynthesis in cancerous cells by oxaromatic compounds and alkylating agents. G. V. Kukushkina, L. D. Gorbacheva, N. M. Emanuel'. Dokl. AN SSSR 147 no. 5: 1218-1219 D '62.
Experimental tumors of muscle tissue [in Georgian with summary in Russian]. G. G. Georgadze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:261-275 '62.
Malignant tumors in chickens. L. G. Burba. Trudy VIEV 26:42-45 '62.
Primary multiple malignant tumors with a lesion of the otorhinolaryngological organs [with summary in English]. D. E. Rozengauz, I. A. F. Levin. Zhur. uzh. nos. i gorl. bol. 22 no. 4:65-67 Ji-Ag '62.
State of radiation therapy for malignant tumors and its future prospects according to data of the Erevan Institute of Roentgenology and Oncology. V. A. Fanardzhian, G. T. Grigorian. Vop. rent. i onk. 6:131-138 '61.
- CANCER—CONGRESSES**
Eight International Anticancer Congress. K. P. Balitskii, R. D. Antonuk. Vrach. delo no. 11:155-157 N '62.
- CANCER—DIAGNOSIS**
Diagnostic value of impressions in integumentary cancer. S. Z. Oganessian, E. Kh. Sarkisian, R. M. Zakharian. Vop. rent. i onk. 8:325-328 '61.
- CANCER—EXCISION**
Data on the surgical treatment of cancer of the esophagus and the cardiac section of the stomach [in Georgian with summary in Russian]. D. P. Shotadze, Z. L. Zodelava. Trudy Tbil. GDUV 6:81-88 '62.
- CANINE DISTEMPER** see Distemper
- CANNED FOOD** see Food, Canned
- CANNED VEGETABLES** see Vegetables, Canned
- CANNING AND PRESERVING**
(see also subdivision under Ukraine)
"Home pickling, preserving and marinating" by I. N. Rashchenko. Reviewed by R. I. A. Tkachev. Kons. i ov. prom. 18 no. 1:39-40 Ja '63.
Kraytsov, I. S. [Home canning and preserving of food products] Domashnee konservirovaniye pishchevykh produktov. [Odessa] Odesskoe knizhnoe izd-vo, 1962, 210 p.
- Rashchenko, I. N. [Homemade cured food, preserves, marinades] Domashnye solen'ia, varenia i marinady. Alma-Ata, Kazakhskoe gos. izd-vo, 1963, 234 p.
- Ukrainski naucho-budovatel'ski inzhnirskii konservirovaniye i promyshlennosti. [Home canning and preserving] Domashnee konservirovaniye, 3. interdyscypl. i. inzh. Gostekhizdat, USSR, 1962, 130 p.**
- CANNING INDUSTRY**
(see also subdivision under Azerbaijan; Cuba; Moldavia; Samaritania)
Achieve further progress in the expansion of the canning industry in 1963. Komm. i ov. prom. 18 no. 1:106-107 Ja '63.
Better the quality of canned food, when the capacity of the output, improve the equipment and reduce cost of production. Komm. i ov. prom. 18 no. 2:15-17 '63.
From pages of newspapers. Komm. i ov. prom. 18 no. 1: 45-46 Ja '63.
From pages of newspapers. Komm. i ov. prom. 18 no. 2:47-48 '63.
Improvement of the quality of raw materials is the most important condition for the successful operation of the industry. Komm. i ov. prom. 18 no. 2:23-24 '63.
Index of canned food output expressed in physical terms. M. A. Molzhen. Komm. i ov. prom. 18 no. 2:44-45 '63.
Kochetova, L. T. [Production of canned food for children] Proizvodstvo konservov dlia detskogo pitaniya. Moskva, Pishchepromizdat, 1962, 104 p. (Telefon poseta dlia podgotovki kulinarnykh massovykh professii)
The resolution passed by the November Plenum of the Central Committee of the CPSU in a powerful impetus for the acceleration of the building of communism is the U. S. S. R. Komm. i ov. prom. 18 no. 1:14-15 Ja '63.
Scientific and technical conference on the improvement of the quality and widening of the assortment of canned food. Komm. i ov. prom. 18 no. 2:43-44 '63.
- CANNING INDUSTRY—ACCOUNTING**
Index of accounting for production in the canning industry. V. Shilov. Vost. i zap. no. 2:37-42 '61.
- CANNING INDUSTRY—ELECTRIC EQUIPMENT**
Roasting apparatus with electric heating. V. I. Zhukovskiy. Komm. i ov. prom. 18 no. 1:41 Ja '63.
- CANNING INDUSTRY—PERIODICALS**
Conference of the readers of "Konservirovaniye i ovoshchnyiye shpinaty promyshlennosti" Journal in Moscow. M. V. Karapetian. Komm. i ov. prom. 18 no. 2:44-45 '63.
Publication plan of "Konservirovaniye i ovoshchnyiye shpinaty promyshlennosti" for 1963. Komm. i ov. prom. 18 no. 1:44-45 Ja '63.
- CANNING INDUSTRY—TECHNOLOGICAL INNOVATIONS**
New types of canned vegetables. Inform. khim. VNIIZhV no. 2:15-16 '62.
- CANONIZATION**
Letter from the Head of the Church of Georgia, Archbishop Chryzostomus, to His Holiness Patriarch Alexei in connection with the canonization of Saint Ioann the Russian. Zhur. Mosk. Patr. no. 2:33-34 '63.
- CANS** see Containers
- CAPACITORS** see Condensers (Electricity)
- CAPERCAILLIE** see subdivision under Kamelinka
- CAPILLARIES—PERMEABILITY**
Effect of royal jelly on the permeability of the capillaries. T. I. Dedekeev. Inform. khim. i med. nauch. no. 1:3-5 '62.
Permeability of blood capillaries in Hodgkin's disease. V. I. Plotnikov. Sbor. rab. Sverd. med. inst. no. 3:2: 64-67 '61.
Permeability of the hemato-encephalic barrier to chlorpromazine (study made with 535-cholepromazine) [with summary in English]. M. I. A. Matzelev. Trudy Gos. nauch.-issl. inst. psikh. 35:133-144 '62.
Use of the fluorometric method in studying the permeability of histological barriers. I. A. Vladimirov, P. F. Litvin, L. B. Uteyevskaya. Dokl. AN SSSR 148 no. 11: 227-230 Ja '63.
- CAPILLARITY**
Determining the capillary pressure of water in concrete [with summary in English]. V. N. Zhilenkov. Inzh.-fiz. zhur. 6 no. 12:100-101 D '62.
Mechanism underlying moisture transfer in the drying of colloidal capillary-porous bodies [with summary in English]. N. V. Churavov. Inzh.-fiz. zhur. 6 no. 2:31-37 F '63.
- CAPITAL**
(see also subdivision under Korea, North; United States)
Coefficient of equipment utilization. A. Molyev. Sov. profsoyuz 10 no. 4:19-20 F '63.
Fixed assets of industrial plants. K. Kuznetsova, A. Rybkina. Agitator no. 4:45-47 F '63.
Problems of improving the organization of working capital. A. Birman. Vop. ekon. no. 1:46-51 Ja '63.

CAPITAL PUNISHMENT

Akademii nauk USSR, Kiev, Institut ekonomiki. [Economic efficiency of capital investments and the introduction of new machinery in industry] Ekonomichna efektyvnost' kapital'nykh vkladov i vprovadzhennia novoi tekhniki v promyslovosti. Kyiv, Vyd-vo Akad. nauk USSR, 1962, 260 p.

Basic assumptions in the methods of investigating the actual economic efficiency of capital investments in the shipping fleet. O. P. Zykova. Trudy TSNIIMF no. 43:15-28 '62.

The culprits were executed. Oleksandr Hordii. Ukraina no. 13:22-23 J1 '62.

Shanskii, V. A. [Economic efficiency of the reconstruction and expansion of enterprises of ferrous metallurgy] Ekonomicheskaya effektivnost' rekonstruktsii i rasshireniiya predpriyatiy chernoi metallurgii. Moskva, Metallurgizdat, 1962, 75 p.

Sources of financing expenditures for the introduction of new machinery. K. Parsadanian. Den, kred. 21 no. 2: 28-29 F '63.

CAPITALISM

Committee for studying the theme, "The origin of capitalism" and its work in 1962. A. N. Chistozvonov. Vop. ist. 38 no. 2:122-123 F '63.

The essence and forms of state monopoly capitalism. A. G. Mlekovskii. Mir. ekon. i mezhdunar. otn. no. 1: 88-95 '63.

"Studies on the theory of modern capitalism" by S. L. Vygodskii. Reviewed by I. Kul'kov. V. Trepekov. Mir. ekon. i mezhdunar. otn. no. 1:152-154 '63.

"Studies on the theory of modern capitalism" by S. L. Vygodskii. Reviewed by V. Afanas'ev. Vop. ekon. no. 1:128-132 Ja '63.

"Theoretical studies on modern capitalism" by S. L. Vygodskii. Reviewed by A. Sharkov. Plan. khoz. 40 no. 3:88-93 Mr '63.

A useful review. N. A. Nikolaev. Vop. ist. 38 no. 2:103 F '63.

CAR SPRINGS—TESTING

Selecting the design diagrams for determining the frequency of the natural vibrations of railroad cars. I. I. Chelnokov, A. A. Entling. Shor. trud. LIIZHT no. 183: 3-28 '62.

CAR SPRINGS—VIBRATION

Forced vibrations of the system "wheel pair load on a spring assembly with bilinear elastic characteristics." I. I. Chelnokov, L. A. Kal'nikskii. Shor. trud. LIIZHT no. 183:55-68 '62.

CAR TRUCKS (RAILROADS)—TESTING

Analyzing the state of stress of the connecting bar of a four-axle car truck. B. S. Evstaf'ev. Trudy MIIT no. 153:126-131 '62.

CAR WHEELS

Using induction heating in setting and dismantling wheel pairs. G. I. Andreev. Mashinostroenie no. 5:67-71 N-D '62.

CAR WHEELS—MAINTENANCE AND REPAIR

The "M-50" balancing machine designed by the Moscow Institute of Railroad Engineering for the balancing of car wheel pairs. V. A. Shechepet'nikov. Trudy MIIT no. 150:5-28 '62.

CARAMEL—ELECTRIC PROPERTIES

Electrophysical characteristics of caramel products. G. I. Krasovskaya, I. U. S. Doroshayev. Trudy MTIP 15:44-51 '60.

CARBAMIC ACID

Conductance and activation energy of chelate compounds of dithiocarbamates and thioamides, derivatives of pyridine. A. P. Terent'ev and others. Dokl. AN SSSR 147 no. 5:1004-1007 D '62.

CARBANILIC ACID

Sulfonilides, Part 7: Ethyl esters of N-arylsulfonyl-N-phenylcarbamate acid. L. P. Glushko, Z. F. Solomko, M. S. Malinovskii. Zhur. ob. khim. 33 no. 2:612-613 F '63.

CARBOHYDRATE METABOLISM

Changes in suprarenal glands and carbohydrate metabolism of water voles (Arvicola terrestris) in spring and summer. L. G. Krotova. Trudy Inst. biol. UFAN SSSR no. 28:129-140 '62.

CARBON—ANALYSIS

New adsorbent of halogens in the simultaneous micro-determination of carbon, hydrogen, and halogens. A. A. Abramian, S. M. Atashian. Izv. AN Arm. SSR. Khim. nauki 15 no. 8:521-525 '62.

CARBON BLACK

(see also subdivision under Omsk)

Industry-wide conference for the discussion of work in the field of developing and improving techniques and equipment for the production of carbon black. V. A. Klucharev. Kauch. i rez. 22 no. 2:54 F '63.

Production of raw material for carbon black in thermal cracking units. V. I. Morozov and others. Khim. i tekhn. topl. i mesel 8 no. 1:36-42 Ja '63.

CARBON DIOXIDE

Chromatographic determination of furan and carbon dioxide in the products of furfural decarbonylation. T. A. Poliakova, T. A. Sokolova, I. A. T'sarfin. Zav. lab. 29 no. 1:18-19 '63.

CO₂ fixation by potato leaves in the dark. A. T. Mokronosov. Dokl. AN SSSR 147 no. 5:1226-1229 D '62.

A day's dynamics of the factors of photosynthesis in the crown of a fruit tree. Part I: Dynamics of the CO₂ content of various air strata [with summary in English]. I. A. D. Romashko. Ukr. bot. zhur. 18 no. 6:48-54 '62.

Origin of CO₂ in carbonated springs of Karakiche and Dzharatsha. V. K. Kadyrov, K. K. Kaziev. Sov. geol. 5 no. 12:115-118 D '62.

Photodissociation of iodine in carbon dioxide solutions under critical conditions [with summary in English]. I. R. Krivchavskii, I. V. T'sekhanskina. Inzh. -fiz. zhur. 5 no. 12:104-107 D '62.

Preserving ram sperm with carbon dioxide. I. U. L. Makalimov. Veterinarlia 37 no. 11:81-82 N '60.

Study of the compressibility of carbon dioxide at high temperatures. Teploenergetika 10 no. 2:92-93 F '63.

CARBON ISOTOPES

Early entrance of C¹⁴ into the phospholipids during photosynthesis in the leaves of Primula obconica. N. I. Zakharova. Dokl. AN SSSR 149 no. 1:202-204 Mr '63.

Hot synthesis of compounds tagged with radioactive carbon. An. N. Nesmetanov, L. P. Firsova. Usp. khim. 31 no. 12:1453-1477 D '62.

CARBON ISOTOPES—DECAY

Use of a double tag for detecting glycine formed from (methylene-C¹⁴) succinic acid as a result of carbonyl-β-decay. V. D. Nefedov and others. Zhur. ob. khim. 33 no. 2:339-342 F '63.

CARBON MONOXIDE—PHYSIOLOGICAL EFFECT

Effect of carbon monoxide on the course and results of acute radiation sickness. V. V. Kustov. Radiobiologiya 3 no. 1:53-58 '63.

CARBON-NICKEL ALLOYS see Nickel-carbon alloys

CARBONIUM COMPOUNDS

Carbonium polymerization of polyester acrylates. T. E. Lipatova, A. A. Berlin. Dokl. AN SSSR 149 no. 2:353-356 Ja '63.

CARBONYL COMPOUNDS

Degree of depolarization of ¹³C-O lines in some systems. A. V. Bobrov, E. V. Sobolev. Zhur. strukt. khim. 4 no. 1:108-110 Ja-F '63.

Neutral substances in the pyrolyzate of wood-tar oils. Report No. 1: Isolation of carbonyl compounds from neutral oils. A. N. Kisil'syn, N. L. Gusevskaya. Gidroliz. i losokhim. prom. 16 no. 1:23-24 '63.

CARBOXYL GROUPS

Use of carboxyl-containing rubbers in the manufacture of artificial leather. K. A. Firsova and others. Nauch. -issl. trudy VNIIPIK no. 12:41-49 '60.

CARBOXYMETHYLCELLULOSE

The use of carboxymethylcellulose. I. P. Popov, V. L. Afanas'eva, G. V. Sukhova. Gar. khoz. Mosk. 36 no. 12: 32-33 D '62.

CARCINOGENESIS

Experimental data on the blastomogenic action of coumarone and polychlorvinyl plastics [with summary in English]. K. I. Stankevich. Vrach. delo no. 11:108-114 N '62.

CARDBOARD see Paperboard

CARDIAC NERVES see Nerves, Cardiac

CARDIDAE, FOSSIL

Eberzin, A. G. [Cardidae inhabiting brackish waters in the Pliocene of the U.S.S.R. Part 4: Genus Didacna Eichwald, subgenera Pontalmyra and Crassadacna; 20 plates and 2 illustrations] Solonovotovodnye kardiidy ploskonozhnykh morskikh zhivotnykh. Chast' 4: Rod Didacna Eichwald, podrody Pontalmyra i Crassadacna; s 29 tablitsami i 2 risunkami v tekste. Moskva, Izd-vo Akad. nauk SSSR, 1962, 178 p. (Akademii nauk SSSR. Paleontologicheskii institut. Trudy, vol. 91)

CARDIOEASPM

Effect of pharmacological substances on the coronary blood circulation in experimental spasms of the cardiac vessels [with summary in English]. G. F. Kareva. Vest. AMN SSR 18 no. 1:28-32 '63.

CARDIOVASCULAR AGENTS

Effect of pharmacological substances on the blood supply to the heart in acute disorders of coronary circulation [with summary in English]. G. A. Markova. Vest. AMN SSR 18 no. 1:33-35 '63.

Effect of pharmacological substances on the coronary blood circulation in experimental spasms of the cardiac vessels [with summary in English]. G. F. Kareva. Vest. AMN SSR 18 no. 1:28-32 '63.

Intensity of phosphorus metabolism in different sections of the heart and the aorta under the influence of some vascular preparations. F. P. Trinus, V. I. Mil'ko. Vrach. delo no. 11:118-120 N '62.

CARDIOVASCULAR RESEARCH

Pharmacological aspects influencing cardiac blood circulation [with summary in English]. V. V. Zakusov. Vest. AMN SSR 18 no. 1:3-9 '63.

CARDIOVASCULAR SYSTEM

Intensity of phosphorus metabolism in different sections of the heart and the aorta under the influence of some vascular preparations. F. P. Trinus, V. I. Mil'ko. Vrach. delo no. 11:118-120 N '62.

Mechanism of the action of the microelements of copper, manganese, and zinc on the cardiovascular system. V. S. Raites, I. A. V. Ganitkevich. Vrach. delo no. 11:113-115 Ja '63.

Röntgenotherapy of tumors of the brain stem and the reactions of the cardiovascular system to the irradiation. F. G. Ivanov-Diatlov, M. B. Kopylov. Probl. sovr. neirokhir. 4:283-285 '62.

State of the cardiovascular system in epidemic hepatitis following treatment with cortisone. I. S. Suk. Vrach. delo no. 1:90-94 Ja '63.

CARDIOVASCULAR SYSTEM—DISEASES

Ganelina, I. E. [Interoceptive effect from the gastrointestinal tract on the heart] Interoseptivnye vliyania s zheludочно-kishchnogo trakta na serdtsе. Moskva, Izd-vo Akad. nauk SSSR, 1963, 177 p. (DNL)

State of the cardiovascular system in patients with lupus erythematosus [with summary in English]. I. A. Glavinskaya, D. P. Kochetov, E. I. Baru. Sov. med. 26 no. 12:49-55 D '62.

Treatment of patients with cardiovascular diseases at Georgian health resorts. G. V. Tshitlanidze. Trudy Tbil. GIDUV 8:141-148 '62.

Use of royal jelly preparation in the treatment of some cardiovascular diseases. E. D. Mishchenko. Inform. biol. o mat. molech. no. 3:71-74 '62.

CARDIOVASCULAR SYSTEM—RADIOGRAPHY

Cardiovascular system in the combined symptoms of aging and hypertension; clinical X-ray observations. A. I. Sadof'ev. Trudy LIETIN no. 4:132-145 '60.

CARDIOVASCULAR SYSTEM—SURGERY

Experience acquired in surgery by the use of an artificial heart and lungs. K. Sitak and others. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:33-23 '62.

CARGO HANDLING

Basic indices of loading and unloading operations in the freight turnover structure of harbors. P. Shenoiuk. Mor. flot 23 no. 2:4-6 F '63.

Establishing work norms for roadstead harbor operations. E. Mal'ginov. Rech. transp. 22 no. 1:12 Ja '63.

Frolov, A. S. [Over-all organization of the merchant marine and harbor operations; theoretical principles] Kompleksnaya organizatsiya raboty flota i portov; teoreticheskie osnovy. Moskva, Izd-vo "Morskoi transport," 1962, 229 p.

TSitsianavili, M. U., and V. S. Pavlov. [Modern methods for the loading and unloading of unrefined sugar in harbors] Sovremennyye sposoby peregruzki sakharasyrtsa v portakh. Moskva, Izd-vo "Morskoi transport," 1962, 89 p. (Biblioteka obmena opytom na morskoi transporte)

CARGO HANDLING—EQUIPMENT AND SUPPLIES

Ways to increase the level of the over-all mechanization of car loading and unloading operations. V. I. Atsenko. Mor. flot 23 no. 2:12-13 F '63.

CARICATURES AND CARTOONS

Belen, F. D., pseud. [Throw these people on the waste heap; satirical drawings. Verses by V. Russov. Paroda, na terrikon; satiricheskie risunki. Stikhi V. Russova. Stalino, Knizhnoe izd-vo, 1961, 45 p. illus. (ML)]

CARNIVORA

Morphologic determination of the populations of predatory mammals. V. N. Pavlov. Trudy Inst. biol. UFAN SSSR no. 28:93-96 '62.

CAROTID ARTERY

Retinal, arterial, and intraocular pressure in carotid cavernous anastomoses. I. P. Dmitrovskaya, F. A. Serbinenko. Probl. sovr. neirokhir. 4:203-211 '62.

CAROTID ARTERY—EXCISION

Resection of the common carotid artery in extensive operations for malignant tumors of the upper respiratory tract [with summary in English]. A. A. Emel'yanov. Zhur. ush., nos. i gorl. bol. 22 no. 4:68-72 J1-Ag '62.

- CAROTID BODY—CANCER**
Two cases of cancer of the carotid body. M. Kh. Aitapetian. Vop. rent. i onk. 5:321-323 '61.
- CARP**
(see also subdivision under Volga River)
Cytohistochemical study of the taste bulbs in Teleostei (Cyprinus carpio and Carassius carassius). R. A. Pevzner. Dokl. AN SSSR 147 no. 5:1187-1190 D '62.
- Shpet, H. I., and M. B. Feldman.** [Oxygen balance in ponds under the conditions of intensive carp culture] Kysnevyi rezhym staviv v umovakh intensyvnogo koropovoho hospodarstva. Kyiv, Vyd-vo UASHN, 1981. 125 p. [With summary in English]
(ONAL)
- CARP—DISEASES AND PESTS**
(see also subdivision under Volga Delta)
Etiology of hemorrhagic septicemia in carp. L. Kh. Apazidi. Veterinarika 37 no. 7:40-41 J1 '60.
Treatment of coelocidias in carp. A. M. Naumova, A. I. Kanaev. Vop. ikht. 2 no. 4:749-751 '62.
- CARPATIAN MOUNTAINS—FOREST SOILS**
Content and composition of humus in brown forest soils in the Carpathians [with summary in English]. P. S. Pasternak, V. V. Skiba. Pochvovedenie no. 12:74-79 D '62.
- CARPATIAN MOUNTAINS—GAS, NATURAL—GEOLOGY**
Dolenko, G. N. [Geology of petroleum and gas in the Carpathians] Geologia nefii i gaza Karpat. Kiev, Izd-vo Akad. nauk USSR, 1962. 364 p.
(MICROFILM)
- CARPATIAN MOUNTAINS—HUMUS**
Content and composition of humus in brown forest soils in the Carpathians [with summary in English]. P. S. Pasternak, V. V. Skiba. Pochvovedenie no. 12:74-79 D '62.
- CARPATIAN MOUNTAINS—PETROLEUM GEOLOGY**
Dolenko, G. N. [Geology of petroleum and gas in the Carpathians] Geologia nefii i gaza Karpat. Kiev, Izd-vo Akad. nauk USSR, 1962. 364 p.
(MICROFILM)
- CARPATIAN MOUNTAINS—VIEWS**
Lacu, Mihail. [The Carpathians] Karpaty. Predisi. Tudora Argezi, Bucharest, Izd-vo "Meridiany," 1960. 18 p. illus. (Vidy Rumynii)
- CARPATIAN MOUNTAIN REGION—MARRIAGE CUSTOMS AND RITES**
Marriage and wedding among the workers in the Carpathian Mountain region. S. A. Makarchuk. Nar. tvorch. ta etn. 6 no. 3:95-102 J1-S '62.
- CARPATIAN MOUNTAINS—GEMSTAS**
New habitats of Delphinium intermedium Sol. and Gentiana sagittalis (L.) Gams in the Carpathians [with summary in English]. K. A. Malynovskiy. Ukr. bot. zhur. 19 no. 6:100-102 '62.
- CARPATIAN MOUNTAINS—GEOLOGY, STRATIGRAPHIC**
Characteristics of Jurassic sediments in the southwestern part of the Russian Platform and the Carpathian piedmont fault. I. A. M. Sandler. Geol. zhur. 22 no. 6:78-83 '62.
- CARPATIAN MOUNTAINS—GEOLOGY, STRUCTURAL**
Bondarchuk, V. G. [Tectonics of the Carpathians; with a map on a scale 1:1,000,000] Tektonika Karpat; s kartoi mashtaba 1:1,000,000. Kiev, Izd-vo Akad. nauk USSR, 1962. 113 p. (Akademii nauk URSS, Kiev, Institut geologicheskikh nauk. Trudy. Seriya geotektoniki, no. 10)
(MICROFILM)
- CARPATIAN MOUNTAINS—LARKSPUR**
New habitats of Delphinium intermedium Sol. and Gentiana sagittalis (L.) Gams in the Carpathians [with summary in English]. K. A. Malynovskiy. Ukr. bot. zhur. 19 no. 6:100-102 '62.
- CARPATIAN MOUNTAINS—PEBBLES**
Granitic pebbles in the flysch of the Soviet Carpathians and their origin. S. S. Kruglov. Sov. geol. 5 no. 12:127-132 D '62.
- CARPATIAN MOUNTAINS—SKIS AND SKIING**
Organizing students' training activities in skiing under alpine conditions. E. M. Riabenko, T. A. Tretlova, A. S. Floru. Teor. i prak. fiz. kult. 25 no. 12:38-40 D '62.
- CARPATHO-UKRAINE** see Transcarpathia
- CARPENTRY—TOOLS**
Carpenter's bench. V. S. Tolstol. Shkola i proizv. 7 no. 1:69-74 Ja '63.
- CARROTS**
Polarity of the development of the carrot root [with summary in English]. H. Kh. Molotkovskiy. Ukr. bot. zhur. 19 no. 6:55-59 '62.
- CARTOGRAPHY** see subdivision under Antarctic regions; Hungary
- CARTOGRAPHY—BIBLIOGRAPHY** see Bibliography—Cartography
- CARTOGRAPHY—CONGRESSES**
Brief news. Geod. i kart. no. 12:68-69 D '62.
- CARTOGRAPHY—EQUIPMENT AND SUPPLIES**
Stereoscopic method of establishing the final base in working on universal cartographic instruments. I. T. Khaidushki, P. V. Zaffrov. Izv. vys. ucheb. zav.; geod. i aerof. no. 4:143-145 '62.
- CARVING (ART INDUSTRIES)**
(see also subdivision under Ukraine)
Beauty postponed till tomorrow. B. Frachev. Mest. prom. i khud. promys. 4 no. 2:32-33 F '63.
- CASCADES (FLUID DYNAMICS)**
Calculation aerodynamic cascades at subsonic speeds. A. N. Sherstuk. Izv. AN SSSR, Otd. tekhn. nauk. Mekh. i mashinost. no. 1:138-140 Ja-F '63.
- CASE HARDENING**
In connection with N. F. Nakonechnyi's and B. Kh. Khan's article entitled "Nitriding metal manganese by ammonia." V. P. Perepelkin. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:48-51 '63.
Investigating the resistance to tangential stress of 12KhN3A case-hardened steel. G. D. Fomenko, V. S. Egorov, A. G. Andreeva. Metalloved. i term. obr. met. no. 1:23-25 Ja '63.
- CASPIAN DEPRESSION—PETROLEUM GEOLOGY**
History of the Caspian Depression in the Quaternary. A. L. Putkaradze. Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefii no. 4:31-38 '62.
- CASPIAN LOWLAND—GEOLOGY, STRATIGRAPHIC**
Relationship between marine and continental Upper Pliocene sediments in the Caspian Sea region and Yergeni Hills. I. U. M. Vasil'ev. Izv. AN SSSR, Ser. geol. 27 no. 12:72-84 D '62.
- CASPIAN SEA—CLAY**
Diagenetic variations in argillaceous minerals in the cross section of Pliocene and Post-Pliocene deposits of the Caspian Sea (according to deep-drilling data). M. A. Rateev, A. K. Pokidin, M. B. Khelirov. Dokl. AN SSSR 148 no. 1:187-190 Ja '63.
- CASPIAN SEA—FISHES**
Effect of concentrated explosions on the fishes of the Caspian Sea. L. N. Solodilov and others. Vop. ikht. 2 no. 4:725-730 '62.
- CASPIAN SEA—FOULING OF SHIP BOTTOMS**
Changes of ship fouling in the Caspian Sea following the opening of the Volga-Don Canal. Mor. flot 23 no. 2:35 F '63.
- CASPIAN SEA—GAS, NATURAL—PIPELINES**
Planning the construction of the Neftyanyye Kamni-Apsheron subaqueous gas pipeline. I. A. Iskenderov. Azerb. nefi, khoz. 41 no. 7:40-43 J1 '62.
- CASPIAN SEA—GEOLOGY, STRATIGRAPHIC**
Diagenetic variations in argillaceous minerals in the cross section of Pliocene and Post-Pliocene deposits of the Caspian Sea (according to deep-drilling data). M. A. Rateev, A. K. Pokidin, M. B. Khelirov. Dokl. AN SSSR 148 no. 1:187-190 Ja '63.
- CASPIAN SEA—HYDROLOGY**
Another alternative. I. I. Stas'. Priroda 52 no. 2:75-77 '63.
The Caspian Sea will live. B. A. Apollonov, S. N. Bobrov. Priroda 52 no. 2:68-75 '63.
- CASPIAN SEA—ROACH (FISH)**
Qualitative characteristics of the roach Rutilus rutilus caspius Jak. in the western and eastern parts of the northern Caspian Sea. A. I. Sergeeva. Vop. ikht. 3 no. 1:29-38 '63.
- CASPIAN SEA—SALINITY**
Chlorine content and salinity of interstitial water in Quaternary and Upper Pliocene deposits of the southern Caspian. Z. V. Pushkina. Dokl. AN SSSR 148 no. 2:433-436 Ja '63.
- CASPIAN SEA—SEAWATER—TEMPERATURE**
Methods for studying the vertical distribution of the temperature of sea water as revealed by the studies in the Caspian Sea. A. S. Pogostan. Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefii no. 4:121-131 '62.
- CASPIAN SEA—SUBMARINE GEOLOGY**
Awarding I. M. Gubkin's prizes. Vest. AN SSSR 33 no. 2:124 F '63.
- CASPIAN SEA REGION—ANIMALS, MARKING OF**
Use of mass marking in studying the distribution and migration of saigas in the western shore areas of the Caspian Sea; preliminary report. L. V. Zhil'nov. Migr. zhiv. no. 3:40-61 '62.
- CASPIAN SEA REGION—BIRDS—MIGRATION**
Seasonal bird migrations in the coastal area and the desert of Mangyshlak and on the Bakhchali Peninsula. V. S. Zaitsev. Migr. zhiv. no. 3:106-117 '62.
- CASPIAN SEA REGION—BIRDS IN WINTER**
Present state of the wintering of birds on the south-eastern shore of the Caspian Sea. B. P. Dobrokhodov. Ornitologiya no. 5:362-367 '62.
- CASPIAN SEA REGION—ELECTRIC PROSPECTING**
Results and possibilities of marine electric prospecting in the Caspian Sea. G. A. Sarkisov, L. I. Andreeva, V. I. geol. 5 no. 12:100-114 D '62.
- CASPIAN SEA REGION—GEOLOGY, STRATIGRAPHIC**
New data on the contact of Cretaceous and Paleocene sediments in the Tertiary monocline. G. A. Sarkisov. Azerb. nefi, khoz. 41 no. 4:2-4 Ap '62.
Upper Cretaceous and Paleocene stratigraphy of the Zagly area in the Caspian-Kuba region. Ch. A. Teller. B. M. Solomonov. Azerb. nefi, khoz. 41 no. 4:1-2 Ap '62.
- CASPIAN SEA REGION—GEOLOGY, STRUCTURAL**
Basic characteristics of the tectonics of the Caspian Sea based on marine geophysical data. V. A. Kozlov. E. M. Lutsuk, A. M. Sungurov. Sov. geol. 5 no. 12:85-89 D '62.
- CASPIAN SEA REGION—HISTORY—SOURCES**
Zakhoder, B. N. [Consolidated information on the Caspian Sea region and Eastern Europe; Gorgan and the Volga Valley in the 9th and 10th centuries] Kaspijskii avod svedenii o Vostochnoi Evrope; Gorgan i Volzhskaya v IX-X vv. Moskva, Izd-vo vostochnoi lit-ry, 1957. 278 p.
- CASPIAN SEA REGION—OIL WELLS—HYDRAULIC FRACTURING**
Pressure gradient in hydraulic fracturing of strata in the areas of the Caspian Sea monocline. A. M. Piskunov. Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefii no. 4:113-120 '62.
- CASPIAN SEA REGION—SAIGA**
Use of mass marking in studying the distribution and migration of saigas in the western shore areas of the Caspian Sea; preliminary report. L. V. Zhil'nov. Migr. zhiv. no. 3:40-61 '62.
- CASPIAN SEA REGION—SILT**
Lithologic and reservoir properties of arenaceous silts in the Koun series of the Caspian Sea region. G. A. Kozlov. B. M. Solomonov, A. M. Shadrinov. Azerb. nefi, khoz. 41 no. 11:1-6 N '62.
- CASSINI, IGOR**
The business of the journalist Cassini. G. Hain. Nov. vrem. 20 no. 10:28-29 Mr '63.
- CAST IRON**
Complete utilization of red muds. V. I. A. Miller, A. I. Ivanov. TSvet. met. 36 no. 2:45-49 F '63.
Method of X-ray analysis of sand crusts formed on castings. A. M. Shil'mak, B. I. Markhsarov. Zav. lab. 73 no. 3:315 '63.
Production of castings of cerium-cast iron with graphite. S. S. Zatulovskii, E. M. Novikova, I. S. Krylov. Mashinostroenie no. 6:37-39 N-D '62.
- CAST IRON—ANALYSIS**
Determination of calcium in modified cast irons [with summary in English]. D. V. Bozuylyi, A. A. Anashkin. Zhur. anal. khim. 17 no. 9:1045-1051 D '62.
- CAST IRON—DEFECTS**
Investigating gas saturation of cast iron smelted in a cupola furnace. N. D. Maslennikov and others. Mashinostroenie no. 6:33-36 N-D '62.
- CAST IRON—FATIGUE**
I. V. Kudriavtseva's, N. M. Savina's, A. E. Amashova's article "Fatigue strength of steel and cast iron power press crankshafts." I. O. Tsygyn, B. S. Mil'man. Kuz. -shtam. proizv. 5 no. 1:45 Ja '63.
- CAST IRON—HARDENING**
Blinnik, L. B., and others. [Efficient conditions for the aging of cast iron] Ratsional'nye usloviya starenia chugunnykh otlivok. Moskva, Filial Vses. nauchn. i tekhn. informatsii, 1958. 12 p. (Seredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. No. M-58-112/6)
- CAST IRON—HEAT TREATMENT**
Effect of heat treatment on the graphitization of white cast iron. P. K. Tkachenko, L. N. Kudriavtseva. Mashinostroenie no. 6:21-24 N-D '62.
Thermal processing of piston rings for diesel locomotives. G. V. Rubin. Trudy MIIT no. 100:5-10 '62.
- CAST IRON—METALLURGY**
Continuous tapping of cupola cast iron. V. A. Foktev. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:153-158 '63.
Homogeneity of inoculated cast iron. M. M. Turbovskii. Lit. proizv. no. 7:22-23 J1 '62.

CAST IRON — METALLURGY (Continued)

Over-all mechanization and automation of the composition of charge. V. I. Vrublevskii and others. Mashinostroenie no. 6:45-47 N-D '62.

Prospects for the complete metallurgical processing of red muds. A. I. Bychin, B. Z. Kudinov. TSvet. met. 36 no. 2:49-52 F '63.

CAST IRON—TESTING

New test for the determination of cast iron fluidity. A. D. Popov, V. B. Pol'. Lit. proizv. no. 7: JI '62.

CASTRATION

(see also subdivision under Armenia)

Chemical composition of the meat of wethers, castrated without the removal of the epididymis and the connective tissue base of the testicle. A. A. Balburtsian, M. L. Kentiklan, A. S. Stepanian. Zhivotnovodstvo 23 no. 5:37-38 My '61.

CATALASE

Catalase reaction in some pathogenic bacteria as related to their virulence. G. Mikheeva, M. Aliev. Sbor. stud. nauch. -issl. rab. VSKH 1 no. 1:213-214 '62.

CATALOGING OF ARCHIVAL MATERIAL

Basic problems in making the catalogs and inventories of Soviet archival agencies. D. A. Tebekin. Vop. arkh. 7 no. 3:3-13 JI-S '62.

Methods for compiling catalogs of memoirs and diaries. L. M. Roshal'. Trudy MGIAI 10:267-280 '61.

CATALOGING OF FILMSTRIPS

In search for the new. A. Kolker. Sots. kul't. no. 2:35-35 F '63.

CATALOGS, CARDS

Librarians need printed catalog cards. M. Sekundo. Klub 12 no. 7:37 JI '62.

CATALOGS, UNION

[Union list of new foreign books, received by the libraries of the U.S.S.R. Series A: Natural sciences, medicine, agriculture, technology] Svod. blul. nov. bostr. knig, postup. v bibl. SSSR. Ser. A: Est. nauki, med., sel'. khoz., tekhn. no. 6 '62.

CATALYSIS

Catalytic action of some substances on the process of thermal degradation of α -polyoxymethylene. G. S. Goncharov, A. N. Levin, G. A. Ryvkin. Plast. massy no. 2:62-63 '63.

Catalytic conversions of chlorocyclohexane. N. I. Shuklin, E. D. Tulupova, E. G. Ostapenko. Neftekhimika 3 no. 1: 60-65 Ja-F '63.

Reaction products of the irreversible catalysis of monocyclic terpenes. S. V. Chudinov, K. P. Vedenev, I. U. K. Shaposhnikov, G. I. Gidroliz, i. teokhim. prom. 16 no. 1: 13-14 '63.

Views of Liebig, Gess, and Khodnev on catalysis. V. I. Kuznetsov. Trudy Inst. ist. est. i tekhn. 30:95-103 '62.

CATALYSTS

Conversions of hydrocarbons on rhodium-palladium-aluminosilicate catalysts under conditions of reforming. M. A. Blashentseva, I. U. A. Afanas'eva, Kh. M. Minachev. Neftekhimika 3 no. 1:55-60 Ja-F '63.

Determination of the rate of the beginning of fluidization of some catalysts. G. N. Abaev, T. I. A. Gusan, Khim. prom. no. 11:796-798 N '62.

Isomerization of isopropenylcyclopropane and accompanying conversions of dienes on catalysts of acidic nature. L. Kh. Froldin, V. Z. Sharf, M. A. Abidov. Neftekhimika 3 no. 1:28-34 Ja-F '63.

Kinetics and mechanism of the initiation of ethylene polymerization on a soluble Ziegler-type complex catalyst. L. P. Stepovik, A. K. Shilova, A. E. Shilov. Dokl. AN SSSR 148 no. 1:122-125 Ja '63.

Polymerization of allylcyclopentane in the presence of the catalytic system $TiCl_4 + Al(iso-C_4H_9)_3$. A. V. Topchilev, L. V. Osipova, E. L. Fantalova. Dokl. AN SSSR 147 no. 5:1098-1101 D '62.

Some hydrodynamic properties of a fluidized bed of powdered catalysts. A. M. Grekova, N. Kh. Manakov, V. V. Manshulin. Khim. i tekhn. topl. i masel 8 no. 1:4-10 Ja '63.

Synthesis of isoprene from propylene. Part 2: Isomerization of 2-methyl-1-pentene in the liquid phase in the presence of solid acid catalysts. Neftekhimika 3 no. 1: 20-27 Ja-F '63.

CATAPHORESIS see Electrophoresis

CATARRH see subdivision under Leningrad

CATHEDRALS see subdivision under Kolomna

CATHODE RAY OSCILLOGRAPH

Complex installation for neurophysiological studies. R. M. Meshcherakii, L. S. Sedlovich. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:306-316 '62.

Methods for testing wooden rods for longitudinal impact by an electron-beam apparatus. V. V. Pamfilov. Trudy Brian. tekhn. inst. 9:324-329 '60.

Sokolik, A. I., and A. I. Stanilovskii. [OK-23 double-beam electronic oscillograph with mechanical scanning] Dvukhbevoi elektronnyi osillograf OK-23 s mekhanicheskoi razvertkol. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35. No. P-56-28/3)

CATHODE RAY TUBES

Operating conditions of an electron-beam oscilloscope tube in a charge storage mode assuring maximum recording speed during the registration of high-speed simplex processes. V. K. Arkhipov, B. M. Stepanov. Avtom. i telem. i sbor. st. no. 3:103-106 '62.

Performance of an electron-beam oscilloscope tube in charge storage operation with forced takeoff of the secondary electrons during recording. V. K. Arkhipov, B. M. Stepanov. Avtom. i telem. i sbor. st. no. 3:86-102 '62.

Performance of an electron-beam oscilloscope tube in charge storage operation with prerecording preparation of the screen. V. K. Arkhipov, B. M. Stepanov, V. M. Turkin. Avtom. i telem. i sbor. st. no. 3:70-85 '62.

CATHODES

Action of electron bombardment and glow discharge on alloyed secondary electron emitters. A. I. Akiashin and others. Radiotekhn. i elektron. 8 no. 2:288-293 F '63.

Effect of the ion bombardment of inert gases and hydrogen on the electron emission of pressed cathodes. E. T. Kucherenko, E. V. Akhryskala, V. P. Dem'ianenko. Radiotekhn. i elektron. 8 no. 2:278-287 F '63.

CATHODIC PROTECTION

General equations for the cathodic protection of pipes. V. M. Ostapenko. Zbir. prats' z obchys. mat. i tekhn. 1:97-105 '61.

CATHOLIC CHURCH (BYZANTINE RITES) see subdivision under Ukraine; White Russia

CATION-EXCHANGING COMPOUNDS see Base-Exchange compounds

CATTLE

(see also subdivision under Tyukallinsk District) Hair coat of Red Steppe cattle. A. I. Zhurovok. Zhivotnovodstvo 23 no. 7:71-73 JI '61.

A review of "Animal husbandry; cattle." Zhivotnovodstvo 23 no. 5:88 My '61.

CATTLE—DISEASES AND PESTS

(see also subdivision under Tomsk Province; Uzbekistan)

Merkaptophos poisoning of cattle and measures for its prophylaxis. P. E. Radkevich and others. Veterinaria 37 no. 7:65-66 JI '60.

Results of the use of berenil in the Hemosporidia infection of cattle. P. N. Li. Trudy Uz. nauch. -issl. inst. vet. 14:113-123 '61.

Specific characteristics of the reactivity of the organism of cattle in surgical pathology. S. M. Mart'ianov. Veterinaria 37 no. 11:60-64 N '60.

Stachybotryotoxemia in cattle. I. A. Kurmanov. Veterinaria 38 no. 10:41-44 O '61.

Stachybotryotoxemia in cattle. I. G. Lavenberg, L. I. Ivantsov, M. P. Proskakov. Veterinaria 38 no. 10: 38-41 O '61.

Takata-Ara test in alimentary osteodystrophies in cattle. N. Cherevashenko. Sbor. stud. nauch. -issl. rab. VSKH 1 no. 1:143-145 '62.

Toxicity of DDT to cattle. A. A. Alekseeva. Trudy Uz. nauch. -issl. inst. vet. 14:197-206 '61.

Treatment of cattle extremities infected with necrobacillosis. D. N. Bondarko. Veterinaria 37 no. 7: 42 JI '60.

CATTLE—FEEDING AND FEEDS

(see also subdivision under Uzbekistan)

Mechanization of the conveying and distribution of fodder in horned cattle farms. V. Tkach. Mashinostroenie no. 6:75-79 N-D '62.

CATTLE—PHYSIOLOGY

(see also subdivision under Ural Mountains)

Effect of calcium chloride on the blood picture and the contractive activity of the uterus in cows [in Armenian with summary in Russian]. A. O. Manasian, A. S. Gri-gorian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:67-68 '62.

CATTLE BREEDING

(see also subdivision under Albania; Kazakhstan)

Increasing calving. A. P. Studentov. Zhivotnovodstvo 23 no. 5:87 My '61.

Increasing fertility in cows and sheep. P. I. Shatalov. Zhivotnovodstvo 23 no. 7:36-40 JI '61.

Plenum of the Coordination Council of the Lenin All-Union Academy of Agricultural Sciences. V. N. Popov. Zhivotnovodstvo 23 no. 6:69 Je '61.

Practices in early mating of heifers on the Sumy-Stepanova State Farm. A. E. Tsymler. Zhivotnovodstvo 23 no. 8:76-77 Ag '61.

CATTLE PLAGUE (RINDERPEST) see Rinderpest

CAUCASUS—ANIMAL MIGRATION

Death of eastern Caucasian turs from snow avalanches during migration. V. I. Naniev. Migr. zhiv. no. 3:37-39 '62.

CAUCASUS—AVALANCHES

Death of eastern Caucasian turs from snow avalanches during migration. V. I. Naniev. Migr. zhiv. no. 3:37-39 '62.

CAUCASUS—EARTHQUAKES

Stresses acting in the focuses of earthquakes in the Caucasus and adjacent areas. E. I. Shirokova. Izv. AN SSSR. Ser. geofiz. no. 10:1297-1306 O '62.

CAUCASUS—GAS, NATURAL—GEOLOGY

Geothermal characteristics of oil and gas fields in the Caucasus. G. M. Sukharev, I. U. K. Taranukha, S. P. Vlasova. Sov. geol. 5 no. 12:70-79 D '62.

CAUCASUS—GEOLOGY

Vrublevskii, M. I. [Mineral waters of the central Caucasus as one of the manifestations of its geological development] Mineral'nye vody Tsentral'nogo Kavkaza kak odno iz prolyavlenii ego geologicheskogo razvitiia. [Leningrad] Izd-vo Leningr. univ., 1962. 254 p.

CAUCASUS, GEOLOGY, STRATIGRAPHIC

Lower and Middle Jurassic of western Ciscaucasia and the Western Caucasus. K. O. Rostovtsev. Izv. AN SSSR. Ser. geol. 27 no. 12:46-60 D '62.

CAUCASUS—GOATS

Death of eastern Caucasian turs from snow avalanches during migration. V. I. Naniev. Migr. zhiv. no. 3:37-39 '62.

CAUCASUS—MINERAL WATERS

Vrublevskii, M. I. [Mineral waters of the central Caucasus as one of the manifestations of its geological development] Mineral'nye vody Tsentral'nogo Kavkaza kak odno iz prolyavlenii ego geologicheskogo razvitiia. [Leningrad] Izd-vo Leningr. univ., 1962. 254 p.

CAUCASUS—MOUNTAINEERING

Conquerors of the forbidding mountains. Mykhailo Aleksuk. Ukraina no. 13:21 JI '62.

CAUCASUS—PETROLEUM GEOLOGY

Geothermal characteristics of oil and gas fields in the Caucasus. G. M. Sukharev, I. U. K. Taranukha, S. P. Vlasova. Sov. geol. 5 no. 12:70-79 D '62.

CAUCASUS—PETROLOGY

Lithology of Upper Cretaceous sediments in the northeastern slope of the Lesser Caucasus. V. P. Akseva, Kh. A. Akhmede. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefti no. 4:57-68 '62.

CAUCASUS—PHYLOCERATIDAE, FOSSIL

Lower Cretaceous dwarf Phylloceratidae of the southeastern Caucasus. A. G. Khalilov. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefti no. 4:39-56 '62.

CAUCASUS—RUSTS (FUNGI)

Materials on the susceptibility of wheat to various rusts and smuts in districts of the Lesser Caucasus. M. M. Ismailov. Trudy Inst. gen. i sel. AN Azerb. SSR 2:22-27 '62.

CAUCASUS—SMUTS

Materials on the susceptibility of wheat to various rusts and smuts in districts of the Lesser Caucasus. M. M. Ismailov. Trudy Inst. gen. i sel. AN Azerb. SSR 2:22-27 '62.

CAUCASUS—WHEAT—DISEASES AND PESTS

Materials on the susceptibility of wheat to various rusts and smuts in districts of the Lesser Caucasus. M. M. Ismailov. Trudy Inst. gen. i sel. AN Azerb. SSR 2:22-27 '62.

CAUCASUS, NORTHERN—ART

The art of our fraternal peoples is flourishing. L. Alekseeva. Kul't.-pros. rab. 23 no. 6:28-32 Je '62.

CAUCASUS, NORTHERN—PASTURES AND MEADOWS

Mountain virgin lands in the Northern Caucasus. G. F. Mukhin, V. S. Soroker. Zhivotnovodstvo 23 no. 6:7-12 Je '61.

CAUCASUS, NORTHERN—RAILROADS—ELECTRIFICATION

Over-all reorganization of the Northern Caucasus Railroad. A. P. Alekseev, I. N. Ivanov. Zhei. dor. transp. 45 no. 2:68-73 F '63.

CAUCASUS, NORTHERN—REVOLUTION, 1917-1920

"The 11th Army in the battles in the Northern Caucasus and the lower Volga Valley, 1918-1920" by V. T. Sukhorukov and "The Red Banner Caucasian Army" by M. B. Traskunov. Reviewed by A. Khmel'kov. Voenn. ist. zhur. vol. 5 no. 1:98-100 Ja '63.

CAUCASUS, NORTHERN—SHEEP

Mountain virgin lands in the Northern Caucasus. G. F. Mukhin, V. S. Soroker. Zhivotnovodstvo 23 no. 6:7-12 Je '61.

- CAUCASUS, NORTHERN—SORGHUM**
Sugar sorgho in arid regions of the Northern Caucasus. A. A. Akhmedov. *Zhivotnovodstvo* 23 no. 6:68-70 Je '61.
- CAUCASUS, NORTHERN—WHEAT—VARIETIES**
Introduction of new varieties of winter wheat in the Northern Caucasus. M. Kh. Khaniev. *Uch. zap. Kab. - Balk. gos. un.* no. 11:111-132 '61.
- CAVE DRAWINGS** see subdivision under Ural Mountain region
- CAVES**
(see also subdivision under Abkhazia)
"The call from the abyss" by Norbert Casteret. A book review. *Priroda* 52 no. 2:47 '63.
- CAVITATION**
Gorshkov, A. S., and A. A. Rusetskii. [Cavitation pipes] *Kavitatsionnye truby*. Leningrad, Sudpromgiz, 1962. 165 p.
- CECUM—CANCER**
Sarcoma of the cecum in a child. A. E. Liuledzhan. *Vest. khir.* 89 no. 11:141-143 N '62.
- CEILINGS**
Assembling and testing reinforced concrete ceilings during the repair of an apartment house. A. B. Bellaev. *Gor. khoz. Mosk.* 36 no. 2:12-14 F '62.
Study of the dynamic load on ceilings. I. U. Solomentsev. *Zhil. stroi.* no. 9:30-31 '62.
- CELADONITE** see subdivision under Siberia
- CELESTIAL MECHANICS** see Mechanics, Celestial
- CELL NUCLEI**
Effect of X-ray irradiation on the ultraviolet fluorescence of isolated nuclei and mitochondria. G. M. Barenboim, R. I. Pinto, K. I. Pravdina. *Radiobiologiya* 3 no. 1:8-12 '63.
Nuclear multiplication and DNA synthesis in the developmental process of somatic musculature. L. Zhinkin, L. Andreeva. *Dokl. AN SSSR* 149 no. 1:185-188 Mr '63.
- CELLARS** see Basements
- CELLS**
New scientific data on cellular structure. P. A. Genkel', I. N. Andreeva. *Biol. v shkole* no. 6:83-88 N-D '62.
Ultraviolet fluorescence from liver cells in white rats during their embryonic development. E. M. Pil'shchik, M. V. Nikolaeva. *Dokl. AN SSSR* 148 no. 1:190-201 Ja '63.
Zhinkin, L. N. [Regeneration of cells in the organism] *Osnovleniye kletok v organizme*. Leningrad, Ob-vo po raspr. polit. nauchn. znanii RSFSR, 1962. 33 p.
- CELLULOSE**
Cross-linking of a cellulose macromolecule as a method for modification of its properties. Kh. U. Usmanov, T. Gafurov, Kh. Dustmukhamedov. *Uzb. khim. zhur.* 6 no. 6:31-36 '62.
Decomposition of cellulose in peat soils brought under cultivation [with summary in English]. V. S. Shaidurov. *Pochvovedenie* no. 12:79-82 D '62.
Determination of the average degree of polymerization of cellulose in the complex solution iron-tartrate acid-sodium hydroxide. E. A. Nikonova, A. P. Sokolova, L. Z. Gurych. *Khim. volok.* no. 3:43-44 '62.
Development of methods for increasing the lightfastness and thermal stability of cellulose materials. A. D. Virnik, K. Makhamov, Z. A. Bogovin. *Khim. volok.* no. 1:47-50 '63.
Effect of noncellulose components on the reactivity of beech sulfate pulp. A. Kramar, A. Ebringerova. *Khim. volok.* no. 3:29-32 '62.
Effect of the conditions of mercerization and of cellulose quality on filterability during continuous mercerization. E. L. Tatevosian, T. P. Makarova, A. I. Meos. *Khim. volok.* no. 1:30-33 '63.
Freezing and dissolving of cellulose and its esters in alkalies and the prospects for the application of this method. N. I. Nikitin. [Trudy] NTO bum. i der. prom. no. 8:27-39 '59.
Influence of certain factors on the degree of squeezing out of alkali cellulose. I. U. L. Bezisak, L. V. Saulova. *Khim. volok.* no. 1:60-63 '63.
Yeast sorption by cellulose fibers and its effect on the fermenting of sulfate liquors. M. I. A. Kalluznyi. [Trudy] NTO bum. i der. prom. no. 8:214-220 '59.
- CELLULOSE—ANALYSIS**
Structure and microchemistry of wood cellulose fibers. B. G. Milov. [Trudy] NTO bum. i der. prom. no. 8:5-26 '59.
- CELLULOSE ACETATES**
Preparation of acetate silk from a water-acetone solution of acetylcellulose. K. N. Ushakova and others. *Khim. volok.* no. 1:71-72 '63.
Prospects for the development of the production of acetate fibers, and their importance. L. P. Perepechkin, K. A. Filippenko, E. A. Petrov. *Khim. volok.* no. 1:84-85 '63.
- CELLULOSE-DECOMPOSING BACTERIA** see Bacteria, Cellulose-Decomposing
- CELLULOSE XANTHATES**
On the possibility of preparing unsaturated derivatives of cellulose by the Chugaev reaction. Part 2 [with summary in English]. A. I. Poliakov, Z. A. Rogovin, V. A. Derevitskaia. *Vysokom. soed.* 5 no. 2:161-163 F '63.
- CEMENT**
Lignin is a diluent of slurry. S. M. Neiman, V. F. Bugrov. *TSement* 29 no. 1:19-20 Ja-F '63.
- CEMENT—TESTING**
Acid permeability of acidproof cements. D. M. Siastenko, V. L. Vinarskii. *TSement* 29 no. 1:13-14 Ja-F '63.
Method for detecting the moment of appearance and the position of microcracks in a reinforced concrete. G. S. Rodov, E. K. Maevskii. *Zav. lab.* 29 no. 1:94-95 '63.
- CEMENT CLINKERS**
Effect of fluorides on mineral formation in the system $\text{CaO-Al}_2\text{O}_3\text{-SiO}_2$. S. D. Okorokov, S. L. Golynko-Vol'mson, T. N. Iarkina. *TSement* 29 no. 1:7-9 Ja-F '63.
Relation of clinker quality to the return of recovered dust to the kiln. N. N. Horganov, N. A. Safonov, V. V. Fedalova. *TSement* 29 no. 1:10-11 Ja-F '63.
- CEMENT INDUSTRIES**
(see also subdivision under Semipalatinsk; Volsk)
Book reviews and bibliography. *TSement* 29 no. 1:24-3 of cover. Ja-F '63.
Information and brief news. *TSement* 29 no. 1:22-23 Ja-F '63.
New frontiers in the development of the cement industry. *TSement* 29 no. 1:1-2 Ja-F '63.
- CEMENT INDUSTRIES—LABOR PRODUCTIVITY**
Lowering labor costs. V. V. Trusov. *TSement* 29 no. 1:4-6 Ja-F '63.
- CEMENT INDUSTRIES—PERIODICALS**
From the pages of foreign magazines. E. B. Kachanova. *TSement* 29 no. 1:23-24 Ja-F '63.
- CEMENT KILNS**
New technique for lining cement kilns. A. P. Agarin. *Mont. i spets. rab. v stroi.* 25 no. 3:16-18 Mr '63.
- CEMENT PLANTS**
(see also subdivision under Magnitogorsk; Ulyanovsk)
Adoption of an experimental industrial unit of burning clinker in a fluidizing bed. A. A. Androsov, S. I. Khvostenkov, N. I. Chernobayeva. *Sbor. trud. Novorossigiprotsementa* no. 1:3-16 '61.
Analysis of the work of some plants. A. Ia. Oycharenko, N. K. Afanas'eva. *TSement* 29 no. 1:3-4 Ja-F '63.
Physicochemical properties of the raw material and choosing a method of producing cement. S. I. Khvostenkov. *Sbor. trud. Novorossigiprotsementa* no. 1:17-33 '61.
Some problems of the overall mechanization of extraction operations at cement plant quarries. I. U. A. Burkovskii and others. *Sbor. trud. Novorossigiprotsementa* no. 1:34-43 '61.
Technical consultation. B. V. Volkonskii. *TSement* 29 no. 1:21 Ja-F '63.
- CEMENT PLANTS—EQUIPMENT AND SUPPLIES**
Efficiency suggestions. G. V. Belkovskii. *TSement* 29 no. 1:20 Ja-F '63.
The "Folake" Grate Cooler. V. S. Magnitakala, V. I. Semkin. *Sbor. trud. Novorossigiprotsementa* no. 1:82-89 '61.
New types of grate coolers. L. Ia. San'ko, I. U. S. Grizak. *TSement* 29 no. 1:12-13 Ja-F '63.
Operating highly productive equipment. A. P. Vefichko, I. G. Mos'pan. *TSement* 29 no. 1:16-17 Ja-F '63.
- CEMENTATION (METALLURGY)**
Experience of the Poltava Locomotive Repair Plant in the cementation of parts. O. V. Kisel'nikova. *Trudy MIIT* no. 160:19-20 '62.
- CENOSITE**
Crystalline structure of cenosite $\text{Ca}_2(\text{Y, TR})_2(\text{Si}_2\text{O}_7)_2$. $\text{CO}_3\text{, N}_2\text{O}$. G. F. Volodina, I. M. Rumanova, N. V. Belov. *Dokl. AN SSSR* 149 no. 1:173-175 Mr '63.
- CENSORSHIP** see subdivision under United States
- CENTAUREA**
(see also subdivision under Ukraine)
Studying the effect of 77 different substances on *Aerophilum pieris*. V. P. Lohov, F. L. Kalinin, L. A. Leppik. *Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast.* no. 23:173-183 '62.
Pathomorphological changes in *Aerophilum pieris* poisoning. S. Sh. Shakhbuddinov. *Sud. -med. ekspert.* 6 no. 1:15-17 Ja-Mr '63.
- CENTRAL AMERICA—RELATIONS (GENERAL) WITH THE UNITED STATES**
The "Small NATO" plan. *Nov. vrem.* 20 no. 11:3 Mr '63.
- CENTRAL ASIA** see Asia, Central
- CENTRAL ASIA, SOVIET** see Soviet Central Asia
- CENTRAL CHERNOZEM REGION—VEGETABLE GARDENING**
Rubtsov, M. I., ed. [Growing vegetables in the Central Chernozem Region of the U. S. S. R.] *Vyrashchivanie ovoshchei v Tsentral'noi chernozemnoi zone SSSR*. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 110 p. (DNAL)
- CENTRAL SIBERIAN PLATEAU—CONIFERAE**
Zonality and belts of the Siberian light coniferous forests growing on carbonate rocks. L. N. Tulin, S. B. geog. sbor. no. 1:211-220 '62.
- CENTRAL SIBERIAN PLATEAU—DRIFT**
Traces of Quaternary glaciation in the northwestern part of the Central Siberian Plateau. L. L. Isacova. *Izv. AN SSSR, Ser. geol.* 20 no. 2:90-98 F '63.
- CENTRAL SIBERIAN PLATEAU—ROCKS, CARBONATE**
Zonality and belts of the Siberian light coniferous forests growing on carbonate rocks. L. N. Tulin, S. B. geog. sbor. no. 1:211-220 '62.
- CENTRIFUGAL CASTING**
Centrifugal casting of gear wheels with cast iron bushings. E. I. Leznov. *Ist. proizv.* no. 7:39 Ji '62.
Hydrodynamic state of the metal in centrifugal casting. K. U. Tsvetenko. *Ist. proizv.* no. 7:45 Ji '62.
- CENTRIFUGAL PUMPS**
Speed governor for centrifugal pumps. O. A. Raisov. *Biol. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 1:41-43 '63.
- CERAMIC INDUSTRIES—FINANCE** see subdivision under Kiev
- CERAMIC METALS**
Cinterring metal-ceramic articles with high-frequency currents. N. V. Nikitina, V. V. Vologdin. *Avi. prom.* 29 no. 2:39-41 F '63.
[Strength of ceramic metals and alloys at normal and high temperatures] *Prochnost' metallokeramicheskikh materialov i spлавov pri normal'nykh i vysokikh temperaturakh*. [By] G. S. Plisarenko i dr. Kiev, Izd-vo Akad. nauk USSR, 1962. 274 p.
- CERAMIC PLANTS—EQUIPMENT AND SUPPLIES**
Automation of feeding the components of a ceramic batch and mechanization of the loading of grinders. A. E. Rokhvarger. *Stek. i ker.* 20 no. 2:30-32 F '63.
- CERAMICS**
Finishing fireclay ceramics made with reduction-fire glazes. A. I. Mikhlashevskii. *Stek. i ker.* 20 no. 2:26-29 F '63.
Fireproof electric insulation coating for steel pipes in heating devices. *Stek. i ker.* 20 no. 2:32-34 F '63.
Semi-automatic press for molding parts of sanitary engineering equipment. M. A. Strukov. *Stek. i ker.* 20 no. 2:39-40 F '63.
- CERAMICS—BIBLIOGRAPHY** see Bibliography—Ceramics
- CERAMICS—PERIODICALS**
From the pages of foreign magazines. *Stek. i ker.* 20 no. 2:42-46 F '63.
- CEREBELLUM—TUMORS**
Changes in cerebrospinal fluid circulation following surgical intervention in connection with tumors of the cerebellum. A. A. Arendt, A. A. Artarian. *Probl. sovr. neirokhir.* 4:14-20 '62.
Clinical aspects and surgical treatment of nodular forms of sarcomas of the cerebellum. V. S. Alekseeva. *Probl. sovr. neirokhir.* 4:230-234 '62.
Problems in the pathogenesis and clinical aspects of cystic astrocytomas of the cerebellum. D. G. Zhuchenko. *Probl. sovr. neirokhir.* 4:156-166 '62.
- CEREBRAL ARTERIOSCLEROSIS**
Treatment with andoxin of the reactive states in cerebral atherosclerosis patients; a clinico-electroencephalographic study [with summary in English]. J. M. Popov. *Trudy Gos. nauch. -issl. inst. psikh.* 35:275-287 '62.
- CEREBRAL CORTEX**
Axodendritic connection of the cerebral cortex; electron microscope study. T. V. Davydova, L. M. D'iachkova. *Dokl. AN SSSR* 147 no. 5:1191-1192 D '62.
Change in the level of the constant potential of the cerebral cortex surface in response to the use of different afferent stimuli. T. B. Shvets. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:66-77 '62.
Effect of the higher parts of the central nervous system on the morphological composition of the blood. Report No. 1. I. B. Kozlovskaya. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:195-202 '62.
Effect of the higher parts of the central nervous system on the morphological composition of the blood. Report No. 2. I. B. Kozlovskaya. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:203-209 '62.

CEREBRAL CORTEX (Continued)

- Functional connections of the visual cortex with the external geniculate bodies in a rabbit. R. M. Meshcherskii and others. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:78-90 '62.
- Materials on the variability in the cellular structure of the cerebral cortex of man. Report no. 1: Classification of the neurons of the cerebral cortex. G. I. Poljakov, K. K. Blinova. *Vop. antr.* no. 10:55-76 '62.
- Prevention of disorders in the myocardial blood supply caused by stimulation of the cerebral cortex by pharmacological agents [with summary in English]. I. E. Kisin, L. N. Sinitsin. *Vest. AMN SSR* 10 no. 1:18-23 '63.
- Relation between the variations of the cortical bioelectrical mosaic and its original state in the formation of a conditioned reflex. N. A. Gavrilova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:22-32 '62.

CEREBROSPINAL FLUID

- Changes in cerebrospinal fluid circulation following surgical intervention in connection with tumors of the cerebellum. A. A. Arendt, A. A. Artarian. *Probl. sovr. neirokhir.* 4:14-20 '62.
- Cerebrospinal fluid data in the clinical differentiation of brain tumors. G. P. Burgman, N. M. Linchenko. *Probl. sovr. neirokhir.* 4:62-69 '62.
- Electrophoretic analysis of proteins of the cerebrospinal fluid and blood serum in tumors and inflammatory diseases of the brain. T. N. Lobkova. *Probl. sovr. neirokhir.* 4:76-84 '62.
- Mukharinskaya, V. S. [An unusual cerebrospinal fluid syndrome in some lesions of the nervous system] O svoebraznom likovnom sindrome pri nekotorykh porazheniyakh nervnoi sistemy. *Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1960. 81 p.* (DNLM)
- Pathology of the cerebrospinal fluid system in tumors and inflammatory diseases of the brain. S. I. Kuznetsov. *Probl. sovr. neirokhir.* 4:21-24 '62.
- Pathology of cerebrospinal fluid circulation following the removal of neurinomas of the eighth nerve. A. A. Arendt, S. I. Nernesisants. *Probl. sovr. neirokhir.* 4:5-13 '62.
- Pneumoencephalography without escape of the cerebrospinal fluid in the diagnosis of brain tumors. N. P. Tsydzik. *Probl. sovr. neirokhir.* 4:177-184 '62.
- Results of perforation of the corpus callosum in hydrocephalus in children. M. V. Putaillo, V. I. Rostovskaya. *Probl. sovr. neirokhir.* 4:25-35 '62.
- Role of the examination of ventricular cerebrospinal fluid in diagnosing tumors of the septum pellucidum. L. B. Likhterman. *Probl. sovr. neirokhir.* 4:70-75 '62.

CEREBROVASCULAR DISEASE

(see also subdivision under Tiflis)

- Changes in plezopulsograms in Takayashi's disease with dynamic and focal disorders of cerebral blood circulation. Z. A. Kazimirova. *Vrach. delo* no. 1:66-69 Ja '63.
- Changes in the electric activity of the brain of rheumatic patients who have suffered disorders of cerebral circulation [with summary in English]. V. A. Chukhrova, M. I. Konchakova. *Vop. revm.* 2 no. 3:40-48 Ji-S '62.
- Clinical and anatomical analysis of a cerebral circulation disorder in endocarditis [in Georgian with summary in Russian]. M. I. Shats-Mahvelidze. *Trudy Tbil. GIDUV* 6:227-230 '62.
- Dynamics of the retinotemporal and temporobrachial coefficients in disorders of cerebral blood circulation [in Georgian with summary in Russian]. T. S. Sh. Chikvashvili. *Trudy Tbil. GIDUV* 6:303-306 '62.
- Morphological characteristics of the correlation between swelling and vascular changes in the brain in various forms of cerebral pathology [with summary in English]. I. U. N. Kvintitskii-Ryzhov. *Vrach. delo* no. 1:72-75 Ja '63.
- Pathological anatomy and pathogenesis of cerebral circulation disorder in Reiklin's disease. B. I. Sharapov. *Trudy Kish. gos. med. inst.* 11:27-32 '60.
- Pressure in the temporal and brachial arteries during the orthostatic test as a method for detecting cerebral hypertension [with summary in English]. A. I. Zlatoverov, V. A. Kozlova, D. N. Pines. *Sov. med.* 20 no. 12:38-44 D '62.

CERIUM—SPECTRA

- Conversion electron spectrum of the cerium fraction. B. S. Dzhelepov and others. *Izv. AN SSSR. Ser. fiz.* 27 no. 2:204-210 F '63.

CERIUM ISOTOPES

- Determination of Sr-90 and Co-144 in samples by extraction. F. I. A. Rovinskiy, V. V. Ispraynikova. *Atom. energ.* 14 no. 3:285-289 Mr '63.

CESIUM

- Isotopes (tri) polyhalides very similar in properties to alkaline metals, and their use in the removal of cesium from rubidium compounds. V. E. Plushchev, S. B. Stepina, L. I. Lepeshkova. *Dokl. AN SSSR* 148 no. 3:601-604 Ja '63.
- Sorption of microquantities of strontium and cesium by vermiculite. V. M. Nikolaev, V. F. Bagretsov, V. M. Lebedev. *Radiokhimiya* 5 no. 1:32-37 '63.

CERIUM—ANALYSIS

- Determination of cerium-containing inclusions in alloying steels. A. B. Gurevich and others. *Zav. lab.* 29 no. 3:283-286 '63.
- Determination of cerium in heat resistant alloys and cast irons. T. N. Nazarchuk, V. P. Kopylova, N. K. Chugunnais. *Zav. lab.* 29 no. 3:290 '63.

CESIUM CHLORIDE—THERMODYNAMIC PROPERTIES

- Phonon spectrum and some thermodynamic characteristics of CsCl-type lattices [with summary in English]. V. V. Iveronova, A. P. Zviagina. *Ukr. fiz. zhur.* 8 no. 2:238-243 F '63.

CESIUM CHLORIDE CRYSTALS—SPECTRA

- Phonon spectrum and some thermodynamic characteristics of CsCl-type lattices [with summary in English]. V. V. Iveronova, A. P. Zviagina. *Ukr. fiz. zhur.* 8 no. 2:238-243 F '63.

CESIUM ISOTOPES

- Distribution of radioactive cesium between the crystalline phase of aluminum potassium alums and solution. N. B. Mikheev, V. P. Pettsol'd. *Radiokhimiya* 5 no. 1:22-28 '63.

CESTODA

(see also subdivision under Uzbekistan)

- Diagnostic and immunological characteristics of antigens separated from *Thysanotiza* and *Dicrocoelium*. Sh. A. Azimov. *Trudy Uz. nauch.-issl. inst. vet.* 14:177-187 '61.

CEYLON—DESCRIPTION AND TRAVEL

- On the roads of Ceylon. V. Pechnikov. *Az. i Afr. seg.* no. 2:34-35 F '63.

CEYLON—THEATER

- "Cherry orchard" in Ceylon. Z. Matyushina. *Teatr* 24 no. 1:121, 127 Ja '63.

CHAETOMIUM

- Rate of the variability of morphological characteristics in the representatives of the genus *Chaetomium* with dichotomously branched top appendices [with summary in English]. N. P. Cherepanova. *Vest. LGU* 18 no. 3:82-90 '63.

CHAINS

- Zhdanova, A. V. [Mechanisms for the transmission of rotary motion] *Mekhanizmy peredachi vrashchatelnogo dvizheniya*. Moskva, Mashgiz, 1962. 78 p. (Nauchno-popularnaya biblioteka molodogo rabochego)

CHAINS (MATHEMATICS)

- Optimum regulation of Markov sequence with two phase states. N. Z. Shor. *Zbir. prats' z obshche. mat. i tekhn.* 1:119-124 '61.

CHALTYKIAN, OGANES AKOPOVICH, 1902-

- Professor O. A. Chaltykian; on his 60th birthday. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 5:495-496 '62.

CHANCE

- Some problems in the correlation of necessity and chance [in Georgian with summary in Russian]. G. V. Tsintsadze. *Trudy Inst. filol. AN Gruz. SSR* 11:53-75 '62.

CHARACTER

- Petrovskiy, A. V. [From the act of character] *Ot postupka k kharakteru*. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauka, tekhnika XI Seriya: Pedagogika, no. 4)

CHASHNIKOVO REGION—SOIL MICRO-ORGANISMS

- Microbiological characteristics of soils of the Klyaz'ma floodlands in the Chashnikovo region. I. P. Bab'eva. *Poin. pech. rus. rav.* no. 1:196-210 '62.

CHASHNIKOVO REGION—SOILS

- Soil cover of the upper Klyaz'ma Valley in the area of the Agrobiological Station of the Moscow University in Chashnikovo. *Poin. pech. rus. rav.* no. 1:133-142 '62.

CHASOV YAR—WATER—OZONIZATION

- Study of ozonization processes in the water of the Northern Donets - Donets Basin Canal. D. L. Vakhler. *Vod. i san. tekhn.* no. 2:10-22 F '63.

CHASOV YAR REGION—TRANSPORTER BRIDGES

- Use of the OMGS-50/500 transporter bridge in the Chasov Yar open pits. G. E. Zaichenko. *Gor. zhur.* no. 2:13-18 F '63.

CHASTUSHKI

(see also subdivision under Smolensk)

- Studies of the chastushki and some problems of the historiography of Russian folklore studies. S. G. Lazutin. *Rus. fol'k.* 7:259-275 '62.

CHEBARKUL—MACHINERY INDUSTRY—HYGIENIC ASPECTS

- Improving working conditions at the Chebarkul' Repair and Machinery Plant. A. M. Grigor'ev. *Mont. i spets. rab. v stroit.* 25 no. 3:23-24 Mr '63.

CHEBOKSARY—MACHINERY INDUSTRY

- Made in Cheboksary. V. Danilov. *Mest. prom. i khud. promysl.* 4 no. 2:28 F '63.

CHECHEN-INGUSH A.S.S.R.—BANKS AND BANKING

- If visits to construction projects become more frequent. V. Sakhrn. *Fin. SSSR* 37 no. 1:81-83 Ja '63.

CHECHEN-INGUSH A.S.S.R.—BUILDING TRADES—STUDY AND TEACHING

- Construction workers improve their qualifications. I. Senchenko. *Prof.-tekhn. obr.* 20 no. 2:26 F '63.

CHECHEN-INGUSH A.S.S.R.—COLLECTIVE FARMS

- Get rid of loafers! A. Chistov. *Agitator* no. 3:55-57 F '63.

CHECHEN-INGUSH A.S.S.R.—CONSTRUCTION INDUSTRY—FINANCE

- If visits to construction projects become more frequent. V. Sakhrn. *Fin. SSSR* 37 no. 1:81-83 Ja '63.

CHECKS

- Expand payments by checks. B. Abroskin and others. *Den. i kred.* 21 no. 2:60-66 F '63.

CHEEKBONE

- Case of the absence of the incisive bone and the incomplete development of the cheekbone arch in a Rhesus monkey (*Macacus rhesus*). B. A. Nikituk. *Vop. antr.* no. 10:134-138 '62.

CHEKHOV, ANTON PAVLOVICH, 1860-1904

- "Cherry orchard" in Ceylon. Z. Matyushina. *Teatr* 24 no. 1:121, 127 Ja '63.

- Lessons learned from Chekhov the playwright. V. Kharlizev. *Vop. lit.* 6 no. 12:78-94 D '62.

- Textual study of synonyms: synonymic adjectives in the works of A. P. Chekhov [with summary in English]. K. S. Gorbachovich. *Vest. LGU* 18 no. 2:92-102 '63.

CHELATES

- Conductance and activation energy of chelate compounds of dithiocarbamates and thionamides, derivatives of pyridine. A. P. Terent'ev and others. *Dokl. AN SSSR* 147 no. 5:1094-1097 D '62.

CHELYABINSK—APARTMENT HOUSES

- Shaburnikov, V. N. [Large-panel housing construction] *Krupnopanel'noe domostroenie; iz opyta stroitel'stva v Chellabinske*. Moskva, Gosstroizdat, 1962. 70 p. (Opyt zhilishchnogo stroitel'stva)

CHELYABINSK—CONSTRUCTION INDUSTRY

- Shaburnikov, V. N. [Large-panel housing construction] *Krupnopanel'noe domostroenie; iz opyta stroitel'stva v Chellabinske*. Moskva, Gosstroizdat, 1962. 79 p. (Opyt zhilishchnogo stroitel'stva)

CHELYABINSK—NEWSPAPER AND PERIODICAL CIRCULATION

- Soviet for the distribution of printed matter at a railroad junction. S. Spitsyn. *Raspr. pech.* no. 12:3-4 D '62.

CHELYABINSK—TRACTOR INDUSTRY

- Semiautomatic welding in carbon dioxide at the Chelyabinsk Tractor Plant. O. D. Supereko, V. I. Akulov. *Svar. protzv.* no. 1:16-19 Ja '63.

CHELYABINSK PROVINCE—VOCATIONAL EDUCATION

- Creating methodological sections for individual occupations. I. Zuev. *Prof.-tekhn. obr.* 18 no. 12:27-28 D '62.

CHEMICAL AFFINITY

- [Energies of chemical bond breaking. Ionization potentials and electron affinity] *Energii razryva khimicheskikh svyazoi. Potentsialy ionizatsii i sredstvo k elektronu; spravochnik*. [By] V. I. Vedenev i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 216 p.

CHEMICAL APPARATUS

- Electric furnace for bending instrument glass. V. P. Khrankov. *Stek. i ker.* 20 no. 2:36-37 F '63.

CHEMICAL APPARATUS—WELDING

- "Welding two-layer steel apparatuses for the chemical and petroleum industries; instructions." Book review by A. M. Ponizovtsov. *Avtom. svar.* 15 no. 12:86 D '62.

CHEMICAL BONDS

- Bond refractions of zinc in tetrahedral complexes. A. V. Ablov, E. D. Ruchkin. *Zhur. strukt. khim.* 4 no. 1:50-54 Ja-F '63.

- Effect of chemical bonds on the valence states of the chromium atom in various compounds. A. Z. Men'shikov, S. A. Memmonov. *Izv. AN SSSR. Ser. fiz.* 27 no. 3:394-402 Mr '63.

- [Energies of chemical bond breaking. Ionization potentials and electron affinity] *Energii razryva khimicheskikh svyazoi. Potentsialy ionizatsii i sredstvo k elektronu; spravochnik*. [By] V. I. Vedenev i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 216 p.

CHEMICAL BONDS (Continued)

Overlapping integrals and approximate evaluations of chemical bond energies. V. M. Volkov. Usp. khim. 31 no. 12:1528-1538 D '62.

Potential functions of molecules of the homologous series $(CH_3)_nSiF_{4-n}$ ($n=1-4$). I. F. Kovalev. Dokl. AN SSSR 148 no. 3:569-572 Ja '63.

CHEMICAL ELEMENTS

Concluding the discovery. D. Trifonov. Znan., sila 37 no. 12:40-42 D '62.

CHEMICAL ENGINEERING

Statistical methods for an experimental planning in the mathematical description of processes. V. V. Nalimov. Zav. lab. 29 no. 1:5-7 '63.

CHEMICAL ENGINEERING—CONGRESSES

First International Congress on Chemical Engineering (CHISA) held at Brno. A. S. Ginzburg. Inzh.-fiz. zhur. 6 no. 2:133-138 F '63.

First International Congress on Chemical Engineering Techniques, Chemical Machinery Manufacture, and Automation. G. P. Solomakhin. Khim. i tekhn. topl. i masel 8 no. 1:71-72 Ja '63.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

[Chemical and refrigeration machinery manufacture] Ref. zhur.: Khim. i khol. mashinostr. nos. 1-3 Ja-Mr '63.

Chernobyl'skii, L. I., and others. [Machinery and apparatus of the chemical industry] Mashiny i apparaty khimicheskoi promyshlennosti. Pod red. L. I. Chernobyl'skogo. Moskva, Mashgiz, 1962. 521 p.

Effect of the geometrical characteristics of a perforated sheet on the amount of the heavy component carried away in bubbling. V. B. Zhukina, I. G. Malenkov, V. N. Moskvicheva. PMTF no. 1:155-157 Ja-F '63.

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Plastic containers; types, parameters, and principal dimensions; MN 3206-62 - MN 32-7-62] Sosudy iz plastmass; tipy, parametry i osnovnye razmery (MN 3206-62 - MN 32-7-62). Moskva, Standartgiz, 1962. 27 p. (SSSR. Normall mashinostroyeniia)

CHEMICAL EQUATIONS

Kudriavtsev, A. A. [Setting up chemical equations] Sostavlenie khimicheskikh uravnenii. Izd. 3., perer. i dop. Moskva, Vysshaya shkola, 1962. 308 p.

CHEMICAL EQUILIBRIUM

Kinetic method of studying the reactions of complex formation by displacement of equilibrium. K. B. Laisiminskii, I. U. A. Zhukov. Zhur. neorg. khim. 7 no. 12:2807-2808 D '62.

CHEMICAL GEOLOGY see Mineralogical chemistry

CHEMICAL INDUSTRIES

(see also subdivision under Kazakhstan)

At the State Committee of the Council of Ministers of the U. S. S. R. for Chemistry. Khim. volok. no. 3:76 '62.

Our chemical industry and the national economy. N. Fedorenko. Kommunist 39 no. 4:38-47 Mr '63.

Progress of large-scale chemistry; figures and facts. Agitator no. 5:50-51 Mr '63.

Purification of sewage waters in wood chemicals enterprises. V. P. Sumarokov, V. V. Terent'eva. [Trudy] NTO bum. i der. prom. no. 8:278-298 '60.

Purification of sewage waters from hydrolysis plants under industrial conditions. E. E. Drublanets. [Trudy] NTO bum. i der. prom. no. 8:221-231 '60.

Results of and prospects for the development of the hydrolysis industry in the U. S. S. R. A. I. Kozlov. [Trudy] NTO bum. i der. prom. no. 8:184-192 '60.

CHEMICAL INDUSTRIES—EQUIPMENT AND SUPPLIES

see subdivision under Kiev

CHEMICAL INDUSTRIES—LABOR PRODUCTIVITY

Ways to increase labor productivity in the chemical industry. M. Fedorenko, S. Pogostin, I. U. Fialkov. Vop. ekon. no. 1:10-16 Ja '63.

CHEMICAL INDUSTRIES—PRODUCTION STANDARDS

Porodkin, V. I. [Setting up technical norms for industries using processing equipment] Tekhnicheskoe normirovaniye v apparatnykh proizvodstvykh. [L'vov] Izd-vo L'vovskogo univ., 1962. 284 p.

Increase the role of establishing technical standards in the chemical industry. S. Pogostin. Sots. trud. 8 no. 1:74-78 Ja '63.

CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

see subdivision under Donetsk

CHEMICAL PLANTS see subdivision under Kemerovo; Saratov Province

CHEMICAL REACTION, RATE OF

"Cosymmetrization" reaction of organomercury salts. I. P. Beletskaya, G. A. Artamkina, O. A. Reutov. Dokl. AN SSSR 149 no. 1:90-93 Mr '63.

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL STRUCTURE

Additivity of the π -electron energy of condensed aromatic hydrocarbons calculated by the free electron method. M. E. Erlykina, N. F. Stepanov. Zhur. strukt. khim. 4 no. 1:84-89 Ja-F '63.

Chemical structure of some chlorinated polyolefins. S. A. Adylov and others. Neftekhimiya 3 no. 1:82-89 Ja-F '63.

Ferromagnetism of organic structures. L. A. Blumennfel'd. Dokl. AN SSSR 148 no. 2:361-364 Ja '63.

Imaginary chemical compounds. G. B. Bokii. Zhur. strukt. khim. 4 no. 1:73-79 Ja-F '63.

Molecular structure of s-triazine and its derivatives. A. I. Finkel'shtein, E. N. Boltsov. Usp. khim. 31 no. 12:1496-1510 D '62.

Problem of the structure of solutions of nonelectrolytes. G. A. Krestov. Zhur. strukt. khim. 4 no. 1:18-21 Ja-F '63.

CHEMICAL TESTS AND REAGENTS

Increase in the sensitivity of luminescent reactions for cations with organic reagents induced by the freezing of solutions. E. A. Bozhevol'nov, E. A. Solov'ev. Dokl. AN SSSR 148 no. 2:335-337 Ja '63.

New reagents based on products from the coal chemicals industry. G. A. Markus. Koks i khim. no. 2:52-54 '63.

CHEMICALS see subdivision under Siberian Platform

CHEMICALS—PHYSIOLOGICAL EFFECT

Effect of formalin, monodoacetate and potassium cyanide on the physical electrotonus of the smooth muscle. M. F. Shuba. Fiziol. zhur. 48 no. 12:1511-1516 D '62.

CHEMISTRY

Chemistry at the Petersburg Academy of Sciences before M. V. Lomonosov. S. A. Pogodin. Trudy Inst. ist. est. i tekhn. 39:3-23 '62.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—CONGRESSES

All-Union chemists' conferences in Alma-Ata and Erivan. R. M. Fild, R. A. Karakhanov. Vest. AN SSSR 33 no. 2:119-121 F '63.

CHEMISTRY, ANALYTICAL

Datalin, A. Kh. [Analytical chemistry and the course of its development; history of the origin and development of basic methods and trends in analytical chemistry] Analiticheskaya khimiya i puti ee razvitiia; istoriia vozniknoveniia i razvitiia osnovnykh metodov i napravlenii analiticheskoi khimii. Orenburg, 1961. 387 p. (Orenburg. Sel'skokhoziaistvennyi institut. Trudy, vol. 12)

Methods of analysis of dicarboxylic acids and their mixtures. A. P. Kreshkov, L. N. Bykova, N. T. Smolova. Lakokras. mat. i ikh prim. no. 1:45-51 '63.

On the origin of archaeological chemistry. K. A. Kaputinskaya. Trudy Inst. ist. est. i tekhn. 39:258-265 '62.

Optimum conditions for dilution in analysis by the isotope dilution method. V. S. Arakellian. Zav. lab. 29 no. 1:78-80 '63.

CHEMISTRY, ANALYTICAL—QUALITATIVE

Andreeva, O. V., V. V. Vasil'ev, and N. P. Toreshchenko. [Sensitiveness of qualitative reactions] "Chuvstvitel'nost' kachestvennykh reaktstv. [Leningrad] Izd-vo Leningr. univ., 1962. 49 p.

CHEMISTRY, FORENSIC

Auxiliary method of spectrophotometric analysis for differentiating ethyl and methyl alcohols. V. M. Kolosova. Sud.-med. ekspert. 6 no. 1:12-14 Ja-Mr '63.

Colorimetric determination of barbiturates by the intensity of violuric acid staining; veronal example. V. I. Lobanov. Sud.-med. ekspert. 6 no. 1:39-44 Ja-Mr '63.

Identification of agglutinogens of the ABO isoserological system in the hair. N. N. Acharkan. Sud.-med. ekspert. 6 no. 1:21-28 Ja-Mr '63.

Retention of alcohol in corpses submerged in water for a long time. V. S. Zhil'kov. Sud.-med. ekspert. 6 no. 1:8-10 Ja-Mr '63.

"Unnatural" color of some foodstuffs. V. L. Pavlov, O. A. Rozhenko. Sud.-med. ekspert. 6 no. 1:18-20 Ja-Mr '63.

Use of haptoglobin types in forensic medical investigations; a survey of the foreign literature. A. P. Belov, O. S. Budnikov. Sud.-med. ekspert. 6 no. 1:28-29 Ja-Mr '63.

CHEMISTRY, FORENSIC—CONGRESSES

Second extended colloquium on forensic spectroscopy. I. B. Dmitriev. Sud.-med. ekspert. 6 no. 1:61-62 Ja-Mr '63.

CHEMISTRY, METALLURGIC

"Chemical thermodynamics; selected chapters for pyrometallurgists." A. N. Krestovnikov, V. N. Vigdorovich. Reviewed by V. V. Dolivo-Dobrovolskii. TSvet. met. 36 no. 12:78-82 D '62.

CHEMISTRY, ORGANIC—SYNTHESIS

(see also subdivision under Groznyy)

Hot synthesis of compounds tagged with radioactive carbon. An. N. Nesmeianov, L. P. Firsova. Usp. khim. 31 no. 12:1453-1477 D '62.

Mechanism of the carbide-forming reaction of fused iron catalysts for synthesis from CO and H_2 . A. I. A. Rozovskii and others. Neftekhimiya 3 no. 1:87-103 Ja-F '63.

Recent developments in the synthesis, manufacture and uses of ion exchange polymeric materials. V. S. Titov, A. P. Pashkov. Khim. prom. no. 12:912-919 D '62.

CHEMISTRY, PHYSICAL AND THEORETICAL

Manulov, L. A., and G. I. Khukovskii. [Physical chemistry and silicon chemistry] Fizicheskaya khimiya i khimiia kremnia. Izd. 3. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 310 p.

CHEMISTRY, TECHNICAL—RESEARCH

Some problems in the further development of woodpulp and paper manufacture; from reports of the members of the First All-Union Conference on the Theory and Practices of the Woodpulp, Paper, and Woodworking Industries. [Trudy] NTO bum. i der. prom. no. 8:269-314 '60.

CHEMOTHERAPY

Clinical and bacteriological parallels in antibacterial therapy for tuberculous meningitis patients [in Georgian with summary in Russian]. Sh. S. Lordkipanidze. Trudy Tbil. GIDUV 6:275-283 '62.

Effectiveness of treatment of pulmonary tuberculosis with chemopreparations in relation to the drug susceptibility or resistance of Mycobacterium tuberculosis [in Georgian with summary in Russian]. L. S. Kartozia. Trudy Tbil. GIDUV 6:263-273 '62.

CHEREMSHAN VALLEY—GEOLOGY, STRATIGRAPHIC

Lower Kazan deposits of the eastern part of the Kazan trans-Kama region (divide of the Greater Cherevshan and Lesser Cherevshan Rivers). I. N. Tikhvinskii. Dokl. AN SSSR 147 no. 5:1164-1167 D '62.

CHERKASSY PROVINCE—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

Activists are helping. I. Boklogov. Fin. SSSR 37 no. 1:80-81 Ja '63.

CHERKASSY PROVINCE—NEWSPAPER AND PERIODICAL CIRCULATION

Actively influencing the subscription campaign. A. Lar-molanko. Raspr. pech. no. 1:8-9 Ja '63.

CHERNIGOV—ECONOMICS—STUDY AND TEACHING

Disseminate a knowledge of economics among the masses. N. Shekun. Sov. torg. 36 no. 1:50-51 Ja '63.

CHERNIGOV DISTRICT—RITES AND CEREMONIES

You are right, comrades! H. Adrah, H. Lavrovska, I. Romanenko. Volov. atelst 3 no. 2:24 F '63.

CHERNIKHOF, IULI ABELEVICH, 1892-

I. U. A. Chernikhov; on the 70th anniversary of his birth. Zhur. anal. khim. 17 no. 9:1125 D '62.

CHERNOBYL' DISTRICT—SOVIETS

Standing committees are the efficient helpers of local soviets. S. Ordo. Rad. pravo no. 5:28-30 S-O '62.

CHERNOVTSY—GLOVES

Mechanization of operations in glove manufacturing. K. A. Lipovets'kii. Lezh. prom. no. 3:53-54 Je-Ag '62.

CHERNOVTSY PROVINCE see Bukovina

CHERNOZEM SOILS

(see also subdivision under Bryansk Province)

Gurevich, S. M. [Effect of mineral fertilizers on deep Chernozems] Doistvie mineral'nykh udobronil na mosheimom chernozemo. Moskva, Goskhimizdat, 1962. 264 p. (DNAL)

CHERNYSHEV, ALEKSANDR ALEKSEEVICH, 1862-

Aleksandr Alekseevich Chernyshev on his 80th birthday. V. S. Ravdonik, M. I. Radovskii. Elektrichestvo no. 1:92-93 Ja '63.

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-

1889 The problem of the national character of literature and folklore in N. G. Chernyshevskii's aesthetic conception. L. M. Zemlanova. Rue. fol'k. 7:171-188 '62.

CHERSONESE (CITY)—NONFERROUS METALS—SPECTRA

Technology of manufacturing some nonferrous articles in Chersonese during late antiquity. V. I. Kadeev, L. A. Sointsev, L. D. Fomin. Sov. arkheol. 7 no. 1:43-48 '63.

CHERT—ANALYSIS see subdivision under Ukraine

CHESS—TOURNAMENTS

(see also subdivision under Moscow)

Results of a chess tournament. I. Birbrager. Uzbekiston 22 no. 1:28 Ja '63.

To be continued...? M. Botvinnik. Ogonek 40 no. 51: 17 D '62.

CHESS CLUBS

(see also subdivision under Minsk)

Chess. Sov. profsoiuzy 10 no. 3:20 F '63.

CHEST—CANCER

Telegamma therapy for malignant tumors of the chest (the lungs and esophagus). V. A. Fanardzhian, G. T. Grigorian, A. G. Adamian. Vop. rent. i onk. 0:147-154 '61.

CHEST—RADIOGRAPHY

Changes in the thoracic cavity following a lung resection: a radiographic study [in Georgian with summary in Russian]. O. I. Burdzhanaidze, R. I. Gabunia. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:139-141 '62.

CHEST—SURGERY

Some problems of surgical tactics in perforating injuries of the chest. N. S. Bondarenko. Klin. khir. no. 11: 31-35 N '62.

CHEST—WOUNDS AND INJURIES

Some problems of surgical tactics in perforating injuries of the chest. N. S. Bondarenko. Klin. khir. no. 11: 31-35 N '62.

CHICK PEA

Proteins and nonprotein nitrogen in the grain and green bulk of chick-peas. V. G. Klimenko, B. I. Sholkovskaya. Trudy po khim. prirod. soed. no. 3:160-167 '60.

CHICKEN POX—MICROBIOLOGY

Experience in cultivating the chicken pox virus; a preliminary report. N. V. Galko, N. S. Klinchok. Trudy Len. inst. epid. i mikrobiol. 22:185-197 '61.

CHILD PSYCHIATRY

Experience in treatment of children and adolescents by psychotropic drugs in a sanatorium school for nervous children [with summary in English]. E. E. Skanavi, V. I. Khentova. Trudy Gos. nauch. -issl. inst. psikh. 35:316-320 '62.

CHILD STUDY

Beginning of thematic play and its significance for the mental development of small children; the development of elementary planning ability. N. S. Pantina. Dokl. APN 6 no. 5:91-94 '62.

"Child psychology" by D. B. El'konin. Reviewed by G. S. Kostuk. Vop. psikh. no. 6:130-141 N-D '62.

Conditioned reflexes of preschool children to "relative" and "absolute" stimuli presented one at a time. IU. A. Zankher. Dokl. APN 6 no. 5:113-116 '62.

Determining the thresholds of visual recognition in children [with summary in English]. E. N. Alferova. Vop. psikh. no. 6:77-88 N-D '62.

Development of the space dynamics of consecutive visual images in children [with summary in English]. P. A. Sorokun. Vop. psikh. no. 6:102-106 N-D '62.

"Gregariousness and temperament in students" by A. I. H'ins. Reviewed by A. T. Gubko. Vop. psikh. no. 6: 151-154 N-D '62.

Transition from perception to purposive observation under the influence of special instruction [with summary in English]. O. I. A. Obukhova-Sharapova. Vop. psikh. no. 6:89-101 N-D '62.

Transition from the symbolic to sign consciousness in children from four to seven years of age [in Georgian with summary in Russian]. V. I. Kotetishvili. Trudy Inst. psikh. AN Gruz. SSR 13:117-135 '62.

CHILDREN—CARE AND HYGIENE

Let's guard our children's health. E. Konstantinovskii. Nar. obr. no. 2:83-84 F '63.

CHILDREN—DISEASES

Botkin's disease in children during the first years of life. S. I. Fishman. Trudy Khir. gos. med. inst. 11: 21-28 '60.

Characteristics of group diseases caused by adenoviruses in children. L. K. Maslennikova, T. A. Klushina, V. A. Sapozhnikova. Trudy Len. inst. epid. i mikrobiol. 22: 174-184 '61.

A child should not be sick! an interview with Professor M. E. Sukhareva. Rabotnitsa 40 no. 7:20-21 Ji '62.

Dukhanov, A. I. [Pediatric urology] Urologiia detskogo vozrasta. [Leningrad] Medgiz, 1961. 254 p. (DNLM)

Iunusova, Kh. A. [How to protect children from communicable diseases] Kak uberech' detei ot zarazykh zabolevani. Tashkent, Medgiz UzSSR, 1961. 63 p. (Nauchno-po-pul'arnaya literatura) (DNLM)

Notkin, S. E. [Prevention of anemia in children] Preduprezhdenie malokrovii u detei. Moskva, Medgiz, 1962. 21 p. (DNLM)

Problem of acute children's infections. B. G. Shirvindt. Nauch. trudy Chetv. Mosk. gor. klin. bol' no. 1:15-27 '61.

Rachev, L., I. Todorov, and St. Stateva. [Metabolism in children. Translated from the Bulgarian] Obmen veshchestv v detskom vozraste. Sofia, Gos. izd-vo med. i fizkultura, 1962. 423 p. [With summary in English] (DNLM)

(MICROFILM)

CHILDREN—EDUCATION see Education of children

CHILDREN—EMPLOYMENT

Bezuhlyi, A. M., and others. [How the Pioneers work for the motherland] Pionery - Bat'kivshchyni. Kyiv, Molod', 1962. 94 p.

CHILDREN—GROWTH

A method for the evaluation of the rate, rhythm, and harmony of children's growth. Napoleon Wolafski. Vop. antr. no. 10:88-97 '62.

CHILDREN—HOSPITALS see subdivision under Moscow

CHILDREN—MANAGEMENT

(see also subdivision under Stavropol Territory)

Connection between the class collective and life and the demands of the former on the personality of students. N. I. A. Skomorokhov. Sov. pedagog. 26 no. 11:31-39 N '62.

Diary of a class adviser. N. Mikhailova. Shkola-int. no. 6:79-81 N-D '62.

Enthusiasts. L. Ivashchenko. Shkola-int. no. 6:89-78 N-D '62.

Everybody must work. D. Fei'dahtein. Shkola-int. no. 6:20-34 N-D '62.

Forming the feeling of collectivism during the work process in a student brigade. B. M. Rebus. Shkola i profizv. 6 no. 8:21-25 S '62.

Personal example of a teacher. G. Kalabalina. Shkola-int. no. 6:35-41 N-D '62.

Some advice. O. Ilyshor'eva. Rab. i slal. 39 no. 1:16 Ja '63.

A thief. Valentyna Iezhenkova. Ukraina no. 1:30 Ja '63.

CHILDREN—STATISTICS

Russia (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Women and children in the U. S. S. R.; statistics] Zhenshchiny i deti v SSSR; statisticheski sbornik. Izd. 2. Moskva, Gosstatizdat, 1963. 202 p.

CHILDREN—SURGERY

Defects of the heart septum in children and indications for their surgical treatment by the use of artificial blood circulation. Irena Iakubisova. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:53-56 '62.

Minutes of the 38th session of the Pediatric Surgery Section of the Pirogov Surgical Society. E. A. Suslennikova. Vest. khir. 89 no. 11:155-160 N '62.

Surgical treatment of arachnoiditis of the posterior cranial fossa in children. K. I. A. Oglesnev. Probl. sov. neirokhir. 4:242-248 '62.

CHILDREN'S CLUBS

(see also subdivision under Kiev)

A concern of all Soviet people. Klub 12 no. 8:23-27 Ag '62.

Groups united by interests. I. Medvedeva. Klub 12 no. 7:29-30 Ji '62.

So that mothers might work with peace of mind. N. Shokhtina. Klub 11 no. 6:16 Je '62.

Together with the community. E. Zaitseva. Klub 12 no. 8:20-22 Ag '62.

CHILDREN'S ENCYCLOPEDIAS AND DICTIONARIES

"From the history of human society"; the seventh volume of the Children's Encyclopedia. Reviewed by B. Borisov. Prep. ist. v shkole 17 no. 6:108-110 N-D '62.

CHILDREN'S LITERATURE

In the world of books for children. N. Lianopol'skii. Shkola-int. no. 6:83-84 N-D '62.

Polozova, T. D., ed. [The book as teacher and friend; educational significance of children's and adolescents' literature] Kniga - uchitel' i drug o vospitatel'nom znachenii detskoi i iunosheskoii literatury. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 175 p. (Pedagogicheskaya biblioteka uchitel'a)

CHILDREN'S LITERATURE—BIBLIOGRAPHY see Bibliography—Children's literature

CHILDREN'S MUSEUMS

Our museum of local history. M. N. Dmitrieva, A. B. Dmitriev. Prep. ist. v shkole 18 no. 1:91 Ja-F '63.

CHILDREN'S POETRY

Polozova, T. D., ed. [The book as teacher and friend; educational significance of children's and adolescents' literature] Kniga - uchitel' i drug o vospitatel'nom znachenii detskoi i iunosheskoii literatury. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 175 p. (Pedagogicheskaya biblioteka uchitel'a)

CHILE—ASTRONOMY—OBSERVATIONS

Soviet astronomers in Chile. M. S. Zverev. Vest. AN SSSR 33 no. 2:88-91 F '63.

CHIMKENT—BUILDING MATERIALS INDUSTRY—AUDITING AND INSPECTION

Give a green light to public control. G. Letlagin. Nar. khoz. Kazakh. 20 no. 12:41-42 D '62.

CHIMKENT—PARENTS' AND TEACHERS' ASSOCIATIONS

Your "young eagles." S. Seliverstov. Sov. deput. trud. no. 3:69-71 Mr '63.

CHIMKENT—WAGES—LEAD INDUSTRY

Production conditions and wage payment systems. V. Linchevskii. Sots. trud 7 no. 12:101-103 D '62.

CHIMKENT—WORKINGMEN'S CLUB

Why is it so boring in our club? V. Bersutskii and others. Part. zhizn' Kazakh. 33 no. 2:55-57 F '63.

CHIMKENT PROVINCE—AUTOMATION

Plan taking into consideration actual possibilities of production. A. Zenkov. Nar. khoz. Kazakh. 20 no. 11: 30-32 N '62.

CHIMKENT PROVINCE—COOPERATIVE SOCIETIES

Businesslike and fundamental discussion. I. Datsluk, M. Servatskii. Koop. Kazakh. 5 no. 4:18-20 Ap '62.

CHIMKENT PROVINCE—INDUSTRIAL MANAGEMENT

Plan taking into consideration actual possibilities of production. A. Zenkov. Nar. khoz. Kazakh. 20 no. 11: 30-32 N '62.

CHINA—DESCRIPTION AND TRAVEL

Murzaev, E. M. [Travels without adventures and phantasy; geographer's notes] Puteshestvia bez priklucheni i fantastiki; zapiski geografa. Moskva, Geografiz, 1962. 156 p. (Rasskazy o prirode)

CHINA—GEOGRAPHY, ECONOMIC

Hu, Hsiu-wel, and others. [Eastern China. Translated from the Chinese] Vostochnyi Kitai. Otv. red. kitaiskogo izd. Sun' Tsin-chih. Moskva, Izd-vo inostr. lit-ry, 1962. 393 p. maps.

CHINA—FOREIGN RELATIONS—RUSSIA

"The Far Eastern Republic and China; the role of the Far Eastern Republic in the struggle of the Soviet Government for friendly relations with China in 1920-1921" by M. A. Parsits. Reviewed by V. N. Nikiforov, S. S. Khuseinov. Nar. Az. i Afr. no. 12:208-210 '63.

Thirteen years. IU. Berezina. Az. i Afr. seg. no. 2: 5-6 F '63.

CHINA—GEOLOGY, STRUCTURAL

Recent works on the tectonics of China. V. M. Mikunov. Izv. AN SSSR, Ser. geol. 28 no. 2:50-59 F '63.

CHINA—RELATIONS (GENERAL) WITH RUSSIA

Fraternal alliance. Sov. Soluz. no. 3:4 '63. [Hands of friendship] Ruki družby. [Red. N. Amelin. Chita] Chitinskoe knizhnoe izd-vo, 1961. 33 p. (MI)

A new document illustrating the revolutionary solidarity of the Soviet and the Chinese people. Nar. Az. i Afr. no. 1:72-73 '63.

CHINA—REVOLUTION, 1911-1912

Akademiia nauk SSSR, Institut narodov Azii. [Hainhai Revolution in China] Sin'khaishkaia revoliutsiia v Kitae; sbornik statei. Moskva, Izd-vo vostochnoi lit-ry, 1962. 323 p.

CHINA—WOODPULP INDUSTRY—RESEARCH

Industrial and research work in the field of woodpulp and paper manufacture in the Chinese People's Republic. TS'ou Chien. [Trudy] NTObum. i der. prom. no. 8:170-183 '62.

CHINA—CLAY see Kaolin

CHINA PAINTING

Oxidation of aluminum spray coating on porcelain and its imitation gold finishing. I. B. Burmashenko and others. Leh. prom. no. 3:34-40 Je-Ag '62.

Semiautomatic apparatus for applying colored patterns on porcelain and faience articles. O. E. Zubashenko. Leh. prom. no. 3:5-8 Je-Ag '62.

CHINESE LANGUAGE—DICTIONARIES—RUSSIAN

Zorin, I. N., comp. [Chinese-Russian general economic and foreign-trade dictionary] Kitaisko-russkii obshcheekonomicheski i vnoshtorgovyi slovar'. Moskva, Vneshtorgizdat, 1962. 689 p.

CHINESE LANGUAGE—GRAMMAR

Modification and number of the noun in the Chinese language. S. Kh. Joffe. Uch. zap. LGU no. 3:65-74 '61.

Zograf, I. T. [Study of medieval Chinese grammar; on the basis of "Ching pon t'ungue hsiaoshuo." Ocherk grammatiki srednekitaiskogo iazyka; po pamiatniku "Tszin' ben' hunsu shiaoshuo." Moskva, Izd-vo vostochnoi lit-ry, 1962. 121 p.

CHINESE LANGUAGE—STYLE

Zograf, I. T. [Study of medieval Chinese grammar; on the basis of "Ching pen t'ungsu hsiaoshu." Ocherk grammatiki srednekitaiskogo iazyka; po pamiatniku "Tszin' ben' tunsu siasho." Moskva, Izd-vo vostochnoi lit-ry, 1962, 121 p.

CHINESE LITERATURE—HISTORY AND CRITICISM

"Chinese literature" by V. F. Sorokin, L. Z. Eidlin. Reviewed by I. U. B. Nar, Az, i Afr. no. 1:241-242 '63.

CHIROPODY

Chiropody isn't a luxury. Belarus' 20 no. 2:26 F '63.

CHITA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

A good, useful method. I. Bondar'. Agitator no. 5:37 Mr '63.

CHITA PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING

Compulsory education in farm mechanization. B. Uspen'skii. Prof. -tekh. obr. 19 no. 12:8-9 D '62.

CHITA PROVINCE—SOLAR RADIATION

Characteristics of the radiation regime in Transbaikalia; based on the example of Chita Province. I. M. Osokin. Sib. geog. sbor. no. 1:168-176 '62.

CHITADZE, SHIO, 1873-1906

Sikharulidze, S. K., and L. Meparyshvili. [Shio Chitadze; a biographical sketch] Shio Chitadze; biografichnyi mriys. Kyiv, Radians'kyi pys'mennyk, 1962, 70 p. (MR)

CHKALOV PROVINCE see Orenburg Province

CHLORIDES

Designing the concentration of chloride solutions in winter concreting. E. Kh. Bulgakov. Bet. i zhel. -bet. 8 no. 12:560-563 D '62.

Interaction of tin chloride with chlorides of rare earth metals, iron, and sodium. L. I. Chlifa [Li Ch'ih-fa]. I. S. Morozov. Zhur. neorg. khim. 7 no. 12:2765-2770 D '62.

CHLORINATION

Chemical structure of some chlorinated polyolefins. S. A. Adylov and others. Neftekhimiia 3 no. 1:82-89 Ja-F '63.

Optimization of the chlorination process of a titanium-containing concentrate. P. P. Khomiakov and others. Zav. lab. 29 no. 1:68-69 '63.

Revealing the factors influencing the rate of chlorination of titanium slags in a melt. P. P. Khomiakov, I. U. P. Adler, V. V. Nalimov. Zav. lab. 29 no. 1:75-77 '63.

Study of heat conductivity of distillates formed during chlorination of titanium slag in the melt. P. P. Khomiakov and others. Zav. lab. 29 no. 3:330-331 '63.

CHLORINE

Kinetics of the substitution reaction of chlorine atoms in some aryl- β -chlorovinyl ketones. T. A. Kudriavtseva, N. M. Chirkov, N. K. Kochetkov. Dokl. AN SSSR 148 no. 2:347-349 Ja '63.

CHLORINE COMPOUNDS

Removal of chlorine-containing compounds from tri- and tetraethoxysilane. S. I. Kleshchevnikova, E. F. Levina, E. I. Rumiantseva. Plast. massy no. 1:25-26 '63.

Synthesis and polymerization of styrene derivatives. Synthesis of chloro derivatives of styrene. A. V. Golubeva and others. Plast. massy no. 2:3-6 '63.

CHLOROMETHYLATION

Macromolecular derivatives of α -methylstyrene. Part 2: Chloromethylation of copolymers of α -methylstyrene with divinylbenzene [with summary in English]. A. B. Davankov, I. Santo, P. M. Lilo. Vysokom. soed. 5 no. 2:238-242 F '63.

CHLOROPHYLL

Effect of sowing dates for corn on the accumulation of chlorophyll in leaves. I. P. Shcherbina. Uch. zap. Kab. -Balk. gos. un. no. 11:181-184 '61.

CHLOROSULFONYLATION

Radiation-induced chemical sulfochlorination of polydimethylsiloxane. R. V. Dahagatapian and others. Plast. massy no. 2:16-18 '63.

CHLORPROMAZINE

Aminazine treatment of acute alcoholic psychoses [with summary in English]. A. G. Gofman. Trudy Gos. nauch. -issl. inst. psikh. 35:335-344 '62.

Chlorpromazine treatment of schizophrenia patients with a functional change of the thyroid gland [with summary in English].

Course of schizophrenia with a verbal hallucination syndrome when treated with chlorpromazine [with summary in English]. O. P. Vertogradova. Trudy Gos. nauch. -issl. inst. psikh. 35:110-118 '62.

Effect of aminazine on the course of periodic (recurrent) schizophrenia [with summary in English]. V. A. Egorov. Trudy Gos. nauch. -issl. inst. psikh. 35:101-109 '62.

Effect of different doses of chlorpromazine on the higher nervous activity of dogs in experimental neurosis [with summary in English]. V. I. Savchuk. Trudy Gos. nauch. -issl. inst. psikh. 35:145-157 '62.

Effect of electric stimulation of the hippocampus on conditioned reflexes following the administration of aminazine. N. A. Tushmalova. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:205-270 '62.

Effect of large doses of aminazine on the higher nervous activity of dogs. L. N. Khruleva. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:210-215 '62.

Permeability of the hemato-encephalic barrier to chlorpromazine (study made with S^{35} -chlorpromazine) [with summary in English]. M. IA. Maizelis. Trudy Gos. nauch. -issl. inst. psikh. 35:133-144 '62.

Some unfavorable aspects of aminazine action on the symptoms and the course of schizophrenia [with summary in English]. G. IA. Avrutskii. Trudy Gos. nauch. -issl. inst. psikh. 35:86-100 '62.

CHLORTETRACYCLINE

Use of vegetable oils in the production of biomyacin. V. P. Borisov, A. A. Gorbash. Spirt. prom. 29 no. 1:22-23 '63.

CHMELAR, VILEM, 1882-

Vilem Chmelar. F. Janda. Vop. psikhol. no. 6:189 N-D '62.

CHOICE (PSYCHOLOGY)

Age changes of sensory and motor reaction time in students. Report No. 1; Duration of a choice reaction. S. N. Safarian. Dokl. APN 6 no. 5:90-100 '62.

Discrimination of a system of signals. Report No. 2; Selective use of information depending upon the code involved. O. K. Tikhomirov. Dokl. APN 6 no. 5:79-82 '62.

CHOCKECHERRY

Phenological map of the beginning of the chokecherry (cherry of the south) flowering in the U. S. S. R. V. A. Batmanov. Sib. geog. sbor. no. 1:203-210 '62.

CHOLESTEROL METABOLISM

Intensity of the metabolism of cholesterol and total lipids in the liver under normal conditions and during the action of some agents on the organism [with summary in English]. G. P. Sokolova. Vest. LGU 18 no. 3:121-126 '63.

CHOLINE

Cholinergic indices in some skin diseases. I. V. Shebutski. Vrach. delo no. 1:10-22 Ja '63.

Effect of the removal of a portion of the pancreatic gland on the second phase of gastric secretion. I. U. N. Leporin'skii. Fiziol. zhur. 48 no. 12:1471-1478 D '62.

CHOLINE—PHYSIOLOGICAL EFFECT

Effect of acetyl choline, succinyl choline, and choline on the resting potential of striated muscle fibers [with summary in English]. I. S. Mahura. Dop. AN URSR no. 12:1635-1637 '62.

CHONA VALLEY—ROCKS, IGNEOUS

Characteristics of the structure and formation of the sill of palagonite trap rocks in the Chona Valley (Eastern Siberia). I. U. I. Dmitriev. Trudy IGEM no. 77:19-34 '62.

CHONA VALLEY—SILLS (GEOLOGY)

Characteristics of the structure and formation of the sill of palagonite trap rocks in the Chona Valley (Eastern Siberia). I. U. I. Dmitriev. Trudy IGEM no. 77:19-34 '62.

CHONDRIOSOMES see Mitochondria

CHORAL SOCIETIES

(see also subdivision under Japan; Kiev Province)

Residents of the Volga region at the capital. L. Blakhov. Kul't. pros. rab. 23 no. 9:17-19 S '62.

CHROMAFFIN SYSTEM

Chromaffin elements in leeches. I. N. Molchanova. Uch. zap. Kaz. un. 120 no. 6:76-87 '60.

CHROMATOGRAPHIC ANALYSIS

Analysis of mixtures of methylamines and ammonia by liquid partition chromatography. A. I. Dolgina, D. D. Alekseeva. Zav. lab. 29 no. 1:22-24 '63.

Calculation of the relative retention time of compounds in combined chromatographic columns. V. G. Dereskin, N. V. Sidorova. Neftekhimiia 3 no. 1:144-148 Ja-F '63.

V. [Chromatography] Khromatografiia. [Izvo Akad. nauk SSSR, 1962, 98 p. (Akade-SSR. Nauchno-populiarnaiia seriia)]
hle determination of furan and carbon dioxide products of furfural decarbonylation. T. A. A. Sokolova, IA. A. Tsarfin. Zav. lab. 19 '63.

Chromatographic determination of impurities. A. A. Zhukhovitskii, N. M. Turkevich. Neftekhimiia 3 no. 1:135-143 Ja-F '63.

Determination of microquantities of inorganic ions.

K. M. Ol'shanova, N. M. Morozova, V. D. Kopylova. Zav. lab. 29 no. 1:24-26 '63.

Ol'shanova, K. M., V. D. Kopylova, and N. M. Morozova. [Precipitation chromatography] Osadochnaiia kromatografiia. Moskva, Izd-vo Akad. nauk SSSR, 1963, 103 p.

Partition step chromatography. A. A. Zhukhovitskii and others. Zav. lab. 29 no. 1:14-16 '63.

Pyrazoles. Part 36: Chromatography of pyrazoles in a loose thin layer of aluminum oxide. A. N. Kost, G. K. Faizova, I. I. Grandberg. Zhur. ob. khim. 33 no. 2:533-537 F '63.

Separation of mono-, di-, and hydroperoxide of β -methylpropylbenzene by chromatography on silica gel. H. V. Kucher, R. N. Rud'. Zav. lab. 29 no. 1:10-22 '63.

Some variants of automatic fraction collectors. A. N. Pushmak. Trudy po khim. prirod. soed. no. 3:3-10 '60.

Vacancy chromatography. A. A. Zhukhovitskii and others. Zav. lab. 29 no. 1:8-13 '63.

CHROMIUM

Effect of chemical bonds on the valence states of the chromium atom in various compounds. A. Z. Men'shikov, S. A. Memnov. Izv. AN SSSR, Ser. fiz. 27 no. 3:304-402 Mr '63.

CHROMIUM—ANALYSIS

Determining chromium content of canned food. A. F. Molodchenko, A. I. Likhivala, Kana. i ov. prom. 19 no. 2:30-38 F '63.

CHROMIUM—SPECTRA

Effect of valence variations on the K-emission spectrum of chromium. A. T. Shuvaev, G. M. Kulibin. Izv. AN SSSR, Ser. fiz. 27 no. 3:322-323 Mr '63.

CHROMIUM—WELDING

Electron-beam welding of chromium. S. M. Churovich, G. K. Kharchenko, IA. B. Gurevich. Avtom. svar. 15 no. 12:56-59 D '62.

CHROMIUM COMPOUNDS

Coprecipitation of trivalent chromium with ferric hydroxide [with summary in English]. A. I. Novikov. Zhur. anal. khim. 17 no. 9:1076-1081 D '62.

CHROMIUM-COPPER ALLOYS see Copper-chromium alloys

CHROMIUM-IRON ALLOYS see Iron-chromium alloys

CHROMIUM-IRON-TUNGSTEN ALLOYS see Iron-tungsten-chromium alloys

CHROMIUM-MANGANESE STEEL—TESTING

Structure and stability of austenite in chromium-manganese-nickel steels with nitrogen. A. P. Galincev, I. U. S. Medvedev. Metalloved. i term. obr. met. no. 1:35-39 Ja '63.

CHROMIUM-NICKEL ALLOYS see Nickel-chromium alloys

CHROMIUM-NICKEL STEEL—ELECTROMETALLURGY

Technology of the production of chromium-nickel stainless steel with a carbon content of not more than 0.03%. G. M. Borodulin and others. Stal' 23 no. 1:27-29 Ja '63.

CHROMIUM-NICKEL STEEL—HARDENING

Effect of cold deformation and aging on the heat conductivity, electric resistance and the Lorenz number in chromium-nickel austenitic steels. B. F. Netumsk, T. I. Bykova. Fiz. met. i metalloved. 15 no. 1:150-151 Ja '63.

CHROMIUM-NICKEL STEEL—HEAT TREATMENT

Heat treatment and the mechanical properties of 1Kh12N2VMF steel. V. M. Doronin. Stal' 23 no. 2:162-168 F '63.

CHROMIUM-NICKEL STEEL—WELDING

Use of 26KhSNVFA high-strength steel for high-pressure vessels. A. S. Kamyshkov and others. Svar. proizv. no. 1:33-34 Ja '63.

CHROMIUM-NICKEL-TITANIUM ALLOYS see Nickel-chromium-titanium alloys

CHROMIUM-NIOBIUM-TITANIUM ALLOYS

Decay of solid solutions of niobium and titanium in chromium. N. V. Ageev, M. S. Model'. Dokl. AN SSSR 148 no. 1:84-85 Ja '63.

CHROMIUM ORES

Changes in the composition and structure of chromium ores during their heating and reducing processes. A. N. Morozov, S. S. Lisniak, A. M. Belikov. Stal' 23 no. 2:137-139 F '63.

CHROMIUM OXIDES

Determination of chromous oxide in slags in electric welding of stainless steel. M. S. Kofun, E. I. Kadimov. Zav. lab. 29 no. 1:35 '63.

CHROMIUM PLATING

Chromium plating in gallo printing plates in a cold tetra-
chromic electrolyte. V. Khoroshilov. Poligr.
proizv. no. 11:20 N '62.

Corrosion-fatigue strength of chromium plated steel.
A. P. Grabovetskii. Metalloved. i term. obr. met.
no. 1:21-23 Ja '63.

Phase analysis of chromized nickel alloys. N. I. Blok,
M. N. Kozlova, N. F. Lashko. Zav. lab. 29 no. 3:
272-276 '63.

CHROMIUM STEEL—METALLOGRAPHY

Investigating the recovery and the energy of interatomic
bonds of complex-alloy ferrites. M. M. Shteynberg,
A. S. Zlatkina, I. K. Sebestianova. Fiz. met. i
metalloved. 14 no. 6:820-827 D '62.

CHROMIUM STEEL—WELDING

Investigating intercrystalline corrosion in the weld
metal zone in welded Kh28AN steel. N. I. Kakhovskii
and others. Avtom. svar. 15 no. 12:1-8 D '62.

CHROMOSOME NUMBERS

Recovery of viability in α -irradiated yeast cells of dif-
ferent ploidy. V. I. Korogodin and others. Radiobio-
logia 3 no. 1:39-44 '63.

CHROMOXANE VIOLET

Analytical properties of phenolic acids of the triphenyl-
methane series. Determination of aluminum and iron
in some metals [with summary in English]. I. S.
Mustafin, N. F. Lisenko. Zhur. anal. khim. 17 no. 9:
1952-1956 D '62.

CHRONOMETER

Transistor chronometers. V. A. Shpolianskii, B. M.
Chernyagin. Izv. tekhn. no. 1:25-28 Ja '63.

CHU-ILI MOUNTAINS—ROCKS, IGNEOUS

On the Devonian intrusive volcanic complex in the Chu-
li Mountains. K. I. Dvorskova. Dokl. AN SSSR 148
no. 1:166-169 Ja '63.

CHU VALLEY—GEOLOGY

Characteristics of the geological development of the
territory of the Chu and Sary-Su Depression in the
Middle and Upper Paleozoic. V. I. Ditar. Dokl.
AN SSSR 148 no. 2:408-409 Ja '63.

CHU VALLEY—MITES

Materials on the fauna and ecology of gamasid mites
(Gamasoides, Parasitiformes) in the Chu and Tadas
Valleys in Kirghizistan. N. Z. Ostrova. Shor. ent. rab.
no. 1:192-196 '62.

CHUCKS

Adjustable thrust bushing. V. A. Zinov'ev. Mashino-
stroitel' no. 1:24 Ja '63.

Feed draw-in chucks with hard-alloy tips for automatic
lathe lathes. V. D. El'yanov. Stan. i instr. 34 no. 1:
8-11 Ja '63.

Universal mandrel with an inertia flywheel. V. N. Trut-
nev. Mashinostroitel' no. 1:26 Ja '63.

CHULYM VALLEY—GEOLOGY, STRATIGRAPHIC

Jurassic coal-bearing formation of the Angara-Chulym
Mesozoic trough. P. P. Timofeev. Dokl. AN SSSR 147
no. 5:1160-1163 D '62.

CHULYM-YENISEY LOWLAND—BASALT

Volcanic pipes in the Minusinsk intermontane trough.
N. T. Kalmykov. Izv. AN SSSR, Ser. geol. 28 no. 2:80-
89 F '63.

CHUMAK, ROMAN

"Roses in the snow; veras" by R. Chumak. Reviewed
by P. Morshenko. Ukraina no. 13:14 JI '62.

CHUMIKOV, ALEKSANDR ALEKSANDROVICH, 1819-1902

A. A. Chumikov, editor of "Zhurnal dlia vospitaniia,"
I. M. Nefedova. Dokl. APN 6 no. 5:69-72 '62.

CHURACHIKI—BOARDING SCHOOLS

How we live. E. Prokop'ev. Nar. obr. no. 2:66-70 F
'63.

CHURCH

Religion and church abroad. Nauka i rel. 4 no. 1:44-
45 Ja '63.

CHURCH AND STATE

Congratulations from Chairman of the Council of Minis-
ters of the U. S. S. R. N. S. Khrushchev to Patriarch
Aleksii on the occasion of his 85th birthday. Zhur.
Mosk. Patr. no. 12:5 D '62.

Letter from V. Kuroedov, chairman of the Council for the
Affairs of the Russian Orthodox Church attached to the
Council of Ministers of the U. S. S. R., to the editor of
"Zhurnal Moskovskoi Patriarkhii." Zhur. Mosk. Patr.
no. 1:18 Ja '63.

New Year's reception at the Kremlin. Zhur. Mosk. Patr.
no. 1:18 Ja '63.

Presentation of the Soviet State's Award to His Holiness
Patriarch Aleksii. Zhur. Mosk. Patr. no. 12:11 D
'62.

CHURCH ARCHITECTURE—DETAILS see subdivision under Cluny

CHURCH SLAVIC LANGUAGE—STUDY AND TEACHING

Future of the "Old Slavic language" course. S. V. Frolova.
Rus. iaz. v shkole 24 no. 1:95-96 Ja-F '63.

CHUVASHIA—AGRICULTURE—STUDY AND TEACHING

Student brigades on collective farm fields and stock-
breeding farms. A. Kashanov. Shkola i proizv. 6
no. 8:88-89 Ag '62.

CHUVASHIA—FARM MECHANIZATION—STUDY AND TEACHING

On virgin land. N. Mikhailov. Prof. -lekh. obr. 20 no. 1:
20 Ja '63.

CIMMERIAN BOSPORUS (KINGDOM)—BIRDS, FOSSIL

Studying birds of the ancient Bosphorus Kingdom. N. I.
Burchak-Abramovich. Ornithologia no. 5:438-440 '62.

CINCHOPHEN

Mechanism of the formation of an atophan-induced
stomach ulcer in dogs. L. S. Gracheva. Fiziol. zhur.
48 no. 12:1479-1483 D '62.

CIRCULAR SAWS

New design of a circular saw for hot and cold cutting.
I. I. Krivonozhkin, L. L. Efimov. Konstr. krup. mash.
no. 1:73-79 '62.

CIRRHOSIS OF THE LIVER see Liver—Cirrhosis

CITIES AND TOWNS

(see also subdivision under Bulgaria)

Ancient cities of Russia. V. V. Kargalov. Prep. ist. v
shkole 18 no. 1:56-68 Ja-F '63.

CITIES AND TOWNS, ANCIENT see subdivision under Black Sea region

CITRIC ACID

Complex indium citrates. D. I. Riabchikov, I. N. Marov,
I. A. Ko-min' [Yao K'o-min]. Zhur. neorg. khim. 7
no. 12:2716-2724 D '62.

Using the paper chromatography method for determining
organic nonvolatile acids in the production of citric
acid. L. O. Ramina. Khleb. i kond. prom. 7 no. 1:
13-18 Ja '63.

CITY PLANNING

(see also subdivision under Karkhan, Mongolia;
Kommunarsk; Moscow; Tiflis; Tselinograd; Volgograd)
Akademiin stroitel'stva i arkhitektury SSSR. Institut
teorii i istorii arkhitektury i stroitel'noi tekhniki.
[Instructions for organizing the protective zones
surrounding architectural monuments] Ukazaniia po
organizatsii okhrannykh zon pamyatnikov arkhitektury.
Moskva, Gosstroizdat, 1962. 23 p.

Baranov, N. V. [Modern city planning] Sovremennoe
gradostroitel'stvo; glavnye problemy. Moskva,
Gosstroizdat, 1962. 200 p.

Building development of railroad villages. B. Ershov.
Zhil. stroi. no. 1:7-8 '63.

Efficient way of drawing up topographic bases for plan-
ning village sites. G. N. Kozlov. Geod. i kart. no. 1:
71-75 Ja '63.

In improving the public areas of cities there are no
unimportant details. E. Tarasova. Na stroi. Ros. 3
no. 3:28-29 Mr '62.

A necessary, worthwhile matter. S. Kuznetsov. Zhil. -
kom. khoz. 12 no. 10:6 O '62.

Pay daily attention to the problems of planning and
developing populated places. Sol. stroi. 15 no. 3:1-2
Mr '60.

"Town design" by F. Gibberd. Reviewed by O. Smirnova.
Sov. arkh. no. 14:157-167 '62.

CITY PLANNING—COMPETITIONS see subdivision under Tselinograd

CITY PLANNING—RESEARCH see subdivision under Ukraine

CITY TRAFFIC

(see also subdivision under Moscow)

Increasing the safety at common transport stops. G. Iva-
nova. Avt. transp. 41 no. 1:48-49 Ja '63.

Moskovskii Dom nauchno-tekhnicheskoi propagandy
imeni F. E. Dzerzhinskogo. [Transportation and city
planning] Transport i planirovka gorodov; materialy
seminara. Moskva,
Nos. 1-2, 1962.

Slagov, A. V. [City thoroughfares for truck traffic] Gru-
zovye magistrali goroda. Moskva, Gosstroizdat, 1962.
182 p.

CIVIL ENGINEERING

Engineering protection of cities. V. Kostomarov. Zhil. -
kom. khoz. 12 no. 10:8-9 O '62.

From the pages of foreign magazines. Transp. stroi.
12 no. 7:60 JI '62.

CIVIL LAW

(see also subdivision under Ukraine)

Alokseev, S. S. [Civil law during the large-scale building
of communism] Grazhdanskoe pravo v period razvernuto-
go stroitel'stva kommunizma. Moskva, Gosstroizdat,
1962. 281 p.

A few words about the "Basic Principles of Civil Law."
F. Sheherbin. Rad. pravo no. 5:66-67 S-O '62.

Leningrad. Universitet. [Problems of civil and admini-
strative law] Problemy grazhdanskogo i administrativ-
nogo prava. [Leningrad] Izd-vo Leningr. univ., 1962.
340 p.

Russia (1923- U. S. S. R.) Laws, statutes, etc. [Theo-
retical and practical comments to the "Basic Principles
of the Civil Law of the U. S. S. R. and the Union Repub-
lics." Nauchno-prakticheski kommentarii k Osnovam
grazhdanskogo zakonodatel'stva Sotza SSR i soluznykh
respublik. Pod red. S. N. Bratusia i E. A. Floishta.
Moskva, Gosstroizdat, 1962. 418 p.

Some results of the discussion of the proposed civil code
of the R. S. F. S. R. Sov. iust. no. 3:14-16 F '63.

CIVIL PROCEDURE

Chechina, N. A. [Relations of parties in Soviet civil pro-
cedure] Grazhdanskoe protsessual'nye otnosheniia.
[Leningrad] Izd-vo Leningr. univ., 1962. 86 p.

Dinskala, I. M. [Participation of the third party in
Soviet civil procedure] Uchastie tret'ich lits v
sovetskom grazhdanskom protsesse. Moskva,
Gosstroizdat, 1962. 81 p.

Russia (1923- U. S. S. R.) Laws, statutes, etc. [Theo-
retical and practical comments to the "Basic Principles
of the Civil Procedure of the U. S. S. R. and the Union
Republics." Nauchno-prakticheski kommentarii k
Osnovam grazhdanskogo sudoproizvodstva Sotza SSR i
soluznykh respublik. Pod red. P. I. Bardina. Moskva,
Gosstroizdat, 1962. 229 p.

Some results of discussing the proposed civil procedure
code of the R. S. F. S. R. Sov. iust. no. 2:13-15 Ja '63.

We should speed up the examination of civil cases.
S. Astrukheta'kyl. Rad. pravo no. 1:86-88 Ja-F '63.

CIVIL RIGHTS

"Basic rights and duties of the citizens of the U. S. S. R."
by A. A. Abramova, A. M. Bolikova. Reviewed by V. N.
Ivanov. Prep. ist. v shkole 18 no. 1:102-103 Ja-F '63.

We should protect human rights and freedoms. I. Hry-
shchenko. Rad. pravo no. 5:114-116 S-O '62.

CIVILIZATION

"From the closed to the open" [in French] by Mohamed
Aziz Lahbabi. Reviewed by A. B. Sagadeev. Nar. Az. i
Afr. no. 1:221-224 '63.

CIVILIZATION, ETRUSCAN

Etruscans... the old mystery clears up. A. Vorshavskii.
Znan. -sila 37 no. 12:46-48 D '62.

CLASSICAL ANTIQUITIES see subdivision under Adzheli Valley

CLASSIFICATION—MANUSCRIPTS

Classification principles for written sources. M. K.
Makarov. Trudy MGAI 16:15-26 '61.

CLAUSILIDAE

Likharov, I. M. [Clausilidae] Klausilidy (Clausilidae).
Moskva, Izd-vo Akad. nauk SSSR, 1962. 317 p. (Fauna
SSSR, no. 83. Molluski, vol. 3, no. 4)

CLAVICLE—FRACTURE

Technique for intramedullary fixation of clavicle frac-
tures with a steel pin. A. N. Herkatov, S. I. Il'chikov.
Klin. khir. no. 12:30-33 D '62.

CLAY

(see also subdivision under Caspian Sea; Moskva
Valley; Pechora Basin)

Effect of the mineral composition of clay soils on their
properties [with summary in English]. N. I. Kharkhuta,
I. M. Vasil'ev. Inzh. -fiz. zhur. 6 no. 2:38-43 F '63.

Standard and calculated characteristics of elevated clayey
soils. V. B. Shvets. Osn., fund. i mekh. grun. 4 no. 1:
28-29 '62.

CLAY—TESTING

Determining stability characteristics of clay rocks in
sides. V. I. Pechkovskii, A. A. Chernegov. Trudy Inst.
gor. deln AN URSS no. 11:69-81 '62.

Experimental study of clay rocks on well walls. A. A.
Shamsiev, T. G. Faradzhev. Azerb. neft. khoz. 41
no. 5:14-17 My '62.

CLEANING COMPOUNDS

Chemistry in home economics. Belarus' 20 no. 2:27
F '63.

Effect of the nature of the organic substances on their
solubilization in water solutions of primary and
secondary alkyl sulfate mixtures. M. P. Bepiatov,
Zh. I. A. Lashchenko. Masl. -zhir. prom. 29 no. 1:23-
26 Ja '63.

The role of additives in washing with detergents. R. P.
Mezhlamova. Gor. khoz. Mosk. 38 no. 12:32 D '62.

CLEARING OF LAND

(see also subdivision under Karelia; Russia,
Northwestern)

Using hay harvested from tracts treated with the arbori-
cide B-2, 4-D. A. A. Stupnikov. Zhiivotnovodstvo 23
no. 6:79 Je '61.

- CLEARINGHOUSE**
Titov, K. M. [Accounting for clearing and credit operations of enterprises] Uchet raschetnykh i kreditnykh operatsii predpriyati. Moskva, Gosfinizdat, 1962. 69 p. (Biblioteka bukhgallera)
- CLERKS (RETAIL TRADE)**
(see also subdivision under Kazakhstan)
These are not trifles. E. Naigovzin, Z. Timonin. Sov. torg. 35 no. 9:36-39 S '62.
- CLIMATOLOGY**
(see also subdivision 'Climate' under Issyk-Kul' region; Terskei Ala-Tau; Trans-Ili Ala-Tau; Ural Mountain region)
Anomalies in the cyclic rate of solar activity and the tendencies of current climatic variations. L. A. Vite's. Trudy GGO no. 133:35-54 '62.
Voelkov, A. I. [Influence of man on nature] Vozdelstvie cheloveka na prirodu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 250 p.
- CLIMATOLOGY—BIBLIOGRAPHY** see Bibliography—Climatology
- CLIMATOLOGY—CHARTS, DIAGRAMS, ETC.**
Climatic norms. S. A. Sapozhnikova. Meteor. i gidrol. no. 2:47-52 F '63.
- CLINICAL MEDICINE** see Medicine, Clinical
- CLOCHE GARDENING**
Use of a synthetic film for achieving an early harvest of watermelons and melons. N. E. Zelengur. Biol. v enkolle no. 5:49-51 S-O '62.
- CLOCKMAKING AND WATCHMAKING—HYGIENIC ASPECTS** see subdivision under Moscow
- CLOCKMAKING AND WATCHMAKING—PRODUCTION STANDARDS** see subdivision under Moscow
- CLOCKS, ELECTRIC**
New scientific discoveries and technological innovations. Ukraina no. 13:23 J1 '62.
- CLOCKS, ELECTRIC—MAINTENANCE AND REPAIR**
Sidorov, N. V. [Maintenance of electric clocks] Eksploata-tsia elektromekhanicheskikh ustroystv. Izd. 2., perer. i dop. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 241 p.
- CLOSTRIDIUM**
Response of vascular and tissue receptors of an extremity to the toxin of a septic vibrio; an electrophysiological analysis. S. V. Magaeva. Dokl. AN SSSR 148 no. 3: 720-723 Ja '63.
- CLOTHES CLOSETS**
Economical design of a built-in wardrobe. A. P. Shapoval, V. M. Cherepanov. Vsiyok ABIA URSR no. 3:62-64 '62.
- CLOTHING, PROTECTIVE**
Means for individual protection. Bezop. truda v prom. 7 no. 1:39 Ja '63.
- CLOTHING AND DRESS—EXHIBITIONS** see subdivision under Moscow
- CLOTHING AND DRESS MEASUREMENTS**
Orders are taken by the cutter. A. Skovronskii. Mest. prom. i khud. promys. 3 no. 1:14-15 Ja '63.
- CLOTHING INDUSTRY**
(see also subdivision under Berdichev; Kiev; Kiev Economic region; Moscow; Torzhok)
From the exposition halls into life! D. Kobylanski. Okhr. truda i zots. strakh. 5 no. 12:29 D '62.
- CLOTHING INDUSTRY—EQUIPMENT AND SUPPLIES**
(see also subdivision under Kiev)
Combined decating and steaming machine in the tailor shop. B. Nikitin. Mest. prom. i khud. promys. 3 no. 12:8-9 D '62.
- CLOTHING INDUSTRY—LABOR PRODUCTIVITY** see subdivision under Odessa Province
- CLOTHING INDUSTRY—MANAGEMENT** see subdivision under Korea, North
- CLOTHING INDUSTRY—PRODUCTION STANDARDS**
In the common interest. A. Lisichenkov. Mest. prom. i khud. promys. 3 no. 1:33 Ja '63.
- CLOTHING INDUSTRY—QUALITY CONTROL** see subdivision under Alma-Ata
- CLOTHING WORKERS** see subdivision under Leningrad
- CLOUD CHAMBER**
Popov, V. I., and D. P. Osanov. [Diffusion chamber for measuring the α -contamination of water] Diffuzionnaya kamera dlia izmereniia α -zagrjaznenosti vody. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41. No. P-58-89/4)
- CLOUD PHYSICS**
Coefficient of the transfer from impression sizes on tapes either covered with magnesium oxide or without any special covering to droplet diameters. Khuan Mei-ian! [Huang Mei-yan]. Izv. AN SSSR, Ser. geofiz. no. 10: 1434-1440 O '62.
Observation of the structure of clouds and the scientific problems of the International Year of the Quiet Sun. A. Kh. Khrglan. Izv. AN SSSR, Ser. geofiz. no. 1:160-176 Ja '63.
- CLOUDS**
Hydrodynamic calculation of orographic cloudiness in a stable and in an unstable atmosphere. Kh. N. Zeitunian. Dokl. AN SSSR 148 no. 3:585-588 Ja '63.
- CLOVER**
Effect of various amounts of lime on the physiological processes and biochemical composition of clover [with summary in English]. G. N. Siasina, Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:237-256 '60.
- CLUNIAN ART** see Art, Clunian
- CLUNY—CHURCH ARCHITECTURE—DETAILS**
Archaeological excavations in Cluny and the nature of Clunian art. O. G. Chaikovskaya. Sov. arkheol. 7 no. 1:75-97 '63.
- COAL**
(see also subdivision under Donetsk Basin)
Amosov, I. I., and others. [Petrographic characteristics and properties of coals] Petrograficheskie osobennosti i svoystva uglei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 379 p.
Shubnikov, A. K., and others. [Planning and linear programming of coal supplying] Planirovanie i lineinoe programirovanie uglemabzheniya. Pod obshch. red. A. K. Shubnikova. Kiev, Gostekhizdat USSR, 1962. 364 p.
- COAL—ANALYSIS**
Investigating the relation between the composition of the mineral part of coals and their germanium content. K. P. Medvedev and others. Koks i khim. no. 1:9-13 '63.
- COAL—TRANSPORTATION**
Organization of storage and the new conditions of freight transportation. V. N. Barykin. Zhel. dor. transp. 45 no. 2:81-83 F '63.
River transportation of coal is more advantageous than by railroad. L. Il'ichev. Rech. transp. 22 no. 1:9-10 Ja '63.
- COAL, PULVERIZED**
Preparation of coal powder. V. F. Stepanov. TSement 29 no. 1:17-18 Ja-F '63.
- COAL GEOLOGY** see subdivision under Pechora Basin; Sakhalin
- COAL HANDLING**
Limiting the moving speed of coal during gravity transport in fixed chutes. G. M. Masliuk. Sbor. DonUGI no. 23:176-181 '62.
- COAL MINERS** see subdivision under Gorlovka; Kuznetsk Basin
- COAL MINERS—EDUCATION AND TRAINING** see subdivision under Donetsk Basin
- COAL MINES AND MINING**
(see also subdivision under Abkhazia; Donetsk Basin; Karaganda Province; Kuznetsk Basin; Lugansk Province; Privol'nyanskiy region; Ruhr Valley; Ukraine)
Drilling out coal in working seams subject to sudden outbursts of coal and gas. V. M. Ignatenko, B. I. Melekestseva. Shakht. stroi. 7 no. 1:18-20 Ja '63.
Economic indices and methodology of determining them in plans for coal mining enterprises. B. I. Lerner, V. B. Moskvina. Shakht. stroi. 7 no. 1:30-31 Ja '63.
Making intermediate shanks by means of drilling out coal. N. A. Shmarov. Bezop. truda v prom. 7 no. 1: 27-28 Ja '63.
Moscow. Tsentral'nyi institut tekhnicheskoi informatsii uglenoi promyshlennosti. [The coal industry of capitalist countries] Uglenaya promyshlennost' kapitalisticheskikh stran. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, Vol. 2. [Technology, mechanization, and organization of development workings] Tekhnologiya, mekhanizatsiya i organizatsiya rabot pri provedenii podgotovitel'nykh gornykh vyrobotok. Otv. red. toma: B. E. Kazakov, V. D. Sosnov, G. G. Suetin. 1962. 351 p.
Rapid drifting with a broad entry. V. A. Antipov, E. V. Petrenko. Ugol', prom. no. 6:21-23 N-D '62.
State of the coal industry in capitalist countries. Ugol', prom. no. 6:84-85 N-D '62.
Using hydraulic coal conveying in mines under construction. A. G. Taran, D. A. Levitskii, N. S. Bolotskikh. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:11-14 '63.
- COAL MINES AND MINING—ACCOUNTING**
Methodological problems in calculating the amortization of mine workings. A. M. Platkin, V. S. Iatskov, I. I'. Smirnov. Trudy Inst. gor. dela AN URSR no. 11:112-117 '62.
Some operating indices for the coal industry of the U.S.S.R. Ugol', prom. no. 6:82-83 N-D '62.
- COAL MINES AND MINING—LABOR PRODUCTIVITY** see subdivision under Donetsk Basin; Lugansk region
- COAL MINES AND MINING—SAFETY MEASURES**
(see also subdivision under Donetsk Basin; Kuznetsk Basin)
Comments on V. I. Kravchenko's article "Preventing Avalanches of entries in flat beds." G. K. Akhremenko, P. P. Tarasov. Bezop. truda v prom. 7 no. 2:17-19 F '63.
Disseminate the experience of advanced workers. M. I. Norychev. Bezop. truda v prom. 7 no. 1:39 Ja '63.
- COAL MINES AND MINING—SAFETY REGULATIONS** see subdivision under Ukraine
- COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS**
(see also subdivision under Donetsk Basin; Kuznetsk Basin)
Eliminate heavy manual labor in the coal industry. I. I. Ermak. Mekh. i avtom. proizv. 17 no. 2:16-18 F '63.
- COAL MINING MACHINERY**
(see also subdivision under Donetsk Basin; Karaganda Basin)
Effect of the length of a longwall on the productivity of the DU-1 narrow-range cutter-loader. I. S. Dudko. Ugol', prom. no. 6:19-20 N-D '62.
Efficiency of using equipment units with separate metal supports. N. I. A. Morkulov, S. G. Il'in. Tekhn. i ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:8-11 '63.
Rapid static plow [from "Steel and Coal," June 1962]. Ugol', prom. no. 6:90 N-D '62.
- COAL MINING MACHINERY—ELECTRIC DRIVING**
Svetlichnyi, P. L. [Selection and use of electric equipment in a coal mine section] Vybór i eksploatatsiya elektromotornogo oborudovaniya uchastka uglenoi shakhty; spravochnik. Moskva, Gosgortekhnizdat, 1962. 426 p.
- COAL MINING MACHINERY—SAFETY MEASURES**
Causes of injuries in operating coal cutter-loaders. G. V. Nenarokov. Bezop. truda v prom. 6 no. 1:15-17 N '62.
- COAL MINING MACHINERY—TESTING**
Power shale duster. F. I. Venger. Ugol', prom. no. 6: 87-88 N-D '62.
- COAL PREPARATION**
(see also subdivision under Donetsk Province)
Rapid method of determining the actual light fraction content of rocks from the jig. A. A. Khristov, F. I. Markovskii. Koks i khim. no. 1:8-9 '63.
Work of the Central Research Laboratory of Coal Preparation. L. L. Papushin. Koks i khim. no. 1: 50-60 '63.
- COAL PREPARATION PLANTS**
Keramzit concrete walls for coal preparation plants. T. Tsai, V. Kharitonov. Na stroi. Ros. 3 no. 12:13-13 D '62.
- COAL PREPARATION PLANTS—EQUIPMENT AND SUPPLIES**
Modernization of jigging machines. R. M. Dubinskii, V. N. Belzer, V. V. Garmata. Koks i khim. no. 2:10-13 '63.
Testing of the BOMM-16 jigging machine. M. A. Lokshin, B. M. Barata. Koks i khim. no. 2:13-17 '63.
- COAL TAR INDUSTRY—EQUIPMENT AND SUPPLIES**
Some problems of maintenance and repair of the equipment of tar distilling industries. B. S. Matzlin, G. V. Kirilenko. Koks i khim. no. 1:51-54 '63.
- COAL-TAR PRODUCTS**
Using an experimental unit for obtaining acenaphthylene from acenaphthene. E. I. A. Chernomordik. Koks i khim. no. 2:43-44 '63.
- COAL WEATHERING**
Effect of the degree of weathering on the floatability of coal. P. S. Migulin. Trudy Inst. gor. dela AN URSR no. 11:118-122 '62.
- COAXIAL CABLES**
Calculation of the capacitance of a two-wire symmetrical cable network. N. A. Sotako. Elektrosvyaz' 17 no. 1:89-92 Ja '63.
High-frequency parameters of signal, control, and power cables. I. I. Ivanov, E. I. Medvedeva. Avtom. i telem. i svyaz' 7 no. 1:6-8 Ja '63.
- COBALT**
Precipitation of nickel and cobalt from converter slags of the nickel industry by sulfidizing with elementary sulfur. V. G. Shchurovskii. Izv. AN Kazakh. SSR, Ser. met., obog. i ognep. no. 2:77-84 '58.

COBALT--PHYSIOLOGICAL EFFECT

Effect of vitamin D and cobalt on the quality of the litter of a sow. E. A. Petukhova and others. Veterinarika 37 no. 7:71-75 JI '60.

COBALT-ALUMINUM-NICKEL ALLOYS

see Aluminum-nickel-cobalt alloys

COBALT CATALYSTS

Zirconium dioxide and titanium dioxide as promoters of the cobalt catalyst in the synthesis of higher hydrocarbons from carbon monoxide and hydrogen. I. A. T. Eidus, T. F. Bulanova, N. S. Sergeeva. Dokl. AN SSSR 147 no. 5:1105-1107 D '62.

COBALT COMPOUNDS

β -Picoline-monosubstituted nitroammonium complex compounds of trivalent cobalt. A. G. Ganiev, R. Mukhtarov. Uzb. khim. zhur. 6 no. 6:18-22 '62.

Co⁵⁸ recoil effect after the reaction (γ , n) in complex compounds of cobalt. Amar Nat, An. N. Nesmelanov. Radiokhimiia 5 no. 1:125-134 '63.

Synthesis of cobalt (III) trans-diaminodichlorides. V. A. Golovina, L. A. Kokh, S. K. Sokol. Zhur. neorg. khim. 7 no. 12:2893-2898 D '62.

COBALT IN THE BODY

Cobalt fluctuations in the blood serum in typhoid and paratyphoid diseases. I. G. Mukhamedova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:121-126 '62.

Fluctuation in the cobalt content in the blood serum of healthy pregnant women and in those suffering from infectious hepatitis. R. N. Nugmanova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:30-34 '62.

Fluctuations in the cobalt level within the organism of patients with a medium acute form of infectious hepatitis. R. N. Nugmanova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:35-43 '62.

Interrelation between cobalt and bilirubin fluctuations in the blood serum of infectious hepatitis patients. R. N. Nugmanova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:44-40 '62.

COBALT IODIDE

Crystal structure of the crystal hydrates of transition metal salts. Structure of CoI₂·6H₂O. S. A. Shchukarev and others. Zhur. strukt. khim. 4 no. 1:63-68 Ja-F '63.

COBALT-IRON ALLOYS

see Iron-cobalt alloys

COBALT-IRON-NICKEL ALLOYS

see Iron-nickel-cobalt alloys

COBALT-IRON-VANADIUM ALLOYS

see Iron-cobalt-vanadium alloys

COBALT ISOTOPES

Co⁵⁸ recoil effect after the reaction (γ , n) in complex compounds of cobalt. Amar Nat, An. N. Nesmelanov. Radiokhimiia 5 no. 1:125-134 '63.

COBALT-TUNGSTEN ALLOYS

see Tungsten-cobalt alloys

COCCIDIOSIS

Parazolidone against coccidiosis in chickens. E. A. Litvenkova. Veterinarika 38 no. 10:50 O '61.

Treatment of coccidiosis in carp. A. M. Naumova, A. I. Kanayev. Vop. ikht. 2 no. 4:740-751 '62.

COCKCHAFERS

Effect of nutritive factors on the fertility of the May beetles Melolontha hippocastani and M. melolontha. M. T. Lavrov. Trudy Brian. tekh. inst. 9:220-238 '60.

CODFISH

see subdivision under Barents Sea

COEFFICIENT OF EXPANSION

see Expansion (Heat)

COFFEE

Roasting apparatus with electric heating. V. I. Zhikharev. Kena. i ov. prom. 18 no. 1:41 Ja '63.

COFFERDAMS

see subdivision under Netherlands

COIFFURE

see Hairdressing

COIN OPERATED MACHINES

see Vending machines

COINS, ALBANIAN

Albanian coins of the first century B. C. Imitating the moneys of Macedonia and the Seleucid Kingdom. E. A. Pakhomov. Trudy Muzeia ist. Azerb. 5:74-76 '62.

COINS, FRENCH

French and Italian coins from 10th and 11th century hidden treasures on the territory of the U. S. S. R. V. M. Potin. Sov. arkheol. 7 no. 1:61-74 '63.

COINS, ITALIAN

French and Italian coins from 10th and 11th century hidden treasures on the territory of the U. S. S. R. V. M. Potin. Sov. arkheol. 7 no. 1:61-74 '63.

COKE

Changes in the specific surface area of peat cokes in the process of pyrolysis. V. E. Rakovskii, V. Z. Volkov. Khim. i tekhn. topl. i masei 8 no. 1:42-45 Ja '63.

Coking of a charge containing 40% gas coals and blast-furnace smelting with coke obtained by this method. A. M. Miroshnichenko and others. Koks i khim. no. 2:20-24 '63.

Effect of the coarseness of crushing of the various coal charge components of the quality of coke. D. A. Muchnik and others. Koks i khim. no. 1:5-7 '63.

COKE--COMBUSTION

In connection with V. P. Romanovskii's article entitled "Coke combustion in shaft furnaces" and A. A. Tseldner's article "Direction of research on the improvement of shaft furnace smelting." N. A. Bakharev. TSvet. met. 35 no. 12:18-26 D '62.

COKE--TESTING

Effect of the granulometric composition of charge mixture materials on the process of making 75 percent ferroalloy. V. A. Kravchenko, A. A. Serebrennikov. Stal' 23 no. 1:46-50 Ja '63.

Physicochemical characteristics of coal pitch coke. M. A. Stepanenko, N. I. Matusiak. Koks i khim. no. 1:20-33 '63.

COKE INDUSTRY

(see also subdivision under Donetsk Province; Franco; Zaporozh'ye)

Summary of our achievements and future tasks. Koks i khim. no. 1:3-4 '63.

COKE INDUSTRY--BIBLIOGRAPHY

see Bibliography--Coke industry

COKE INDUSTRY--BY-PRODUCTS

(see also subdivision under Donetsk Province; Germany, West; Makeyevka)

New reagents based on products from the coal chemicals industry. G. A. Markus. Koks i khim. no. 2:52-54 '63.

Research work in the field of coal chemicals industry economics. G. V. Ravevskii. Koks i khim. no. 2:55-57 '63.

Some problems in the future development of the manufacture of agricultural chemicals with coal chemicals as the raw material. M. N. Tsarev, A. P. Zherdev. Koks i khim. no. 2:40-42 '63.

COKE INDUSTRY--EQUIPMENT AND SUPPLIES

(see also subdivision under Donetsk; Gorlovka)

Electric tensometric scales for lorry cars. I. E. Den-shchikov and others. Koks i khim. no. 2:81-83 '63.

COKE INDUSTRY--LABOR PRODUCTIVITY

see subdivision under Donetsk Province

COKE INDUSTRY--QUALITY CONTROL

see subdivision under Zaporozh'ye

COKE-OVEN GAS

Purification of coke-oven gas and its conveying under pressure to distant points. V. S. Stepanenko, A. I. Trofimov. Koks i khim. no. 2:33-35 '63.

COKE OVENS

(see also subdivision under Donetsk Province; Makeyevka; Yenakiyev)

Characteristics of the heating of pitch coke oven benches under the conditions of an operating plant. V. I. Borisov. Koks i khim. no. 1:34-36 '63.

Coking of Donetsk Basin coals in the PK-2K ovens and the temperature conditions of the end heating flues. A. G. Nolyeh. Koks i khim. no. 1:19-23 '63.

Effect of the automation of coke-oven charging on the technological indices of their performance. I. M. Khanin, D. M. Amstislavskii, M. S. Babkin. Koks i khim. no. 2:27-28 '63.

Reducing the capacity of the coal bin tower. M. I. Pedorozhanskii. Koks i khim. no. 1:14-18 '63.

Selecting the optimum periodicity of reversal. K. I. Lgalov. Koks i khim. no. 1:61-62 '63.

Ways of reducing the diameter of burners. M. A. Prit'ko. Koks i khim. no. 1:28 '63.

COKE OVENS--TESTING

Investigating the temperature dynamics of coke oven heating flues depending on the intervals between reversal. E. P. Likhogub. Koks i khim. no. 1:27-29 '63.

Testing the bracing of the brickwork of coke oven batteries. G. A. Dorfman. Koks i khim. no. 1:23-27 '63.

COKING PLANTS--EQUIPMENT AND SUPPLIES

Nepomnashchii, L. L. [Design and construction of coking machines] Koksovyye mashiny, ikh konstruktii i raschoty. Izd. 2., perer. i dop. Moskva, Metallurgizdat, 1963, 368 p.

COLD--PHYSIOLOGICAL EFFECT

Dehydrogenase activity of tissues after a treatment with low temperatures and ionizing radiation. I. U. K. Ledentsov. Radiobiologiya 3 no. 1:29-33 '63.

Resistance of insects to ultralow temperatures. L. K. Lozina-Lozinskii. Dokl. AN SSSR 147 no. 5:1247-1249 D '62.

COLD--THERAPEUTIC USE

Comparative evaluation of some methods of erysipelas treatment. M. G. Rasokovalov. Sbor. rab. Sverd. med. inst. no. 32:126-132 '61.

COLD FLOW

see Creep of metals

COLD WELDING

Cold-pressure welding of dissimilar metals. A. F. Gritsenko, A. I. Shestakov, O. E. Ermolenko. Svar. prozv. no. 2:32-33 F '63.

COLLAGEN

Participation of vulnerary infiltrate cells in the development of collagen fibers. P. P. Shamrai. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:156-164 '58.

COLLECTIVE FARMS

(see also subdivision under Chechen-Ingush A. S. S. R.; Kostroma Province; Kuybyshev Province; Michurinsk District; Ranzhurov; Ukraine; Western; Uzbekistan)

Andreev, B. S. [Forming communist production relations] Formirovaniye kommunisticheskikh proizvodstvennykh otnoshenii. [Leningrad] Lenizdat, 1962, 68 p.

Collective farms are the "schools of communism." E. Gorodetskii. Mol. komm. no. 5:41-49 My '62.

Early phase of collective farming. P. Potapenko. Agitator no. 13:60 JI '62.

Korol', N. S. [Future development of the collective-farm system and property relations] Dal'shiy razvytiye kol'hoznoho iadru i vidnosyn vlasnosti. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1961, 68 p.

Letters, information, comments. Agitator no. 2:55-57 Ja '63.

Pakker, I. A. I. [Socialist transformation of agriculture] Sotsialisticheskoe preobrazovaniye sel'skogo khoziaistva. Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 93 p.

"Role of the rural soviets of the R. S. F. S. R. in the socialist reconstruction of rural regions, 1920-1932" by I. U. S. Kukushkin. Reviewed by I. S. Semykin. Vop. ist. 38 no. 2:135-136 F '63.

A summary of collective farm accounts during the Patriotic War. Submitted by I. U. V. Arutunian, V. K. Danilov, B. I. Zhuchkov. Ist. arkh. 8 no. 6:19-68 N-D '62.

Tangible result. I. U. Gorin. Sov. Soluz. no. 0:14-15 '62.

We will repay our debt. M. Lyzo, A. Byelikova, V. V. Kozlova. Rabotnitsa 40 no. 7:8 '62.

COLLECTIVE FARMS--ACCOUNTING

(see also subdivision under Krasnodar Territory)

Accounting for the capital assets of collective farms and sources of their formation. N. Khmelev. Vest. stat. no. 1:58-70 '63.

Accounting tables for collective farmers' earnings. A. I. Belinskii. Uchet i fin. v kol'hoz, i sovkh. 20 no. 1:18-19 Ja '63.

The balance sheet method of accounting for materials. L. I. Zhuravlev. Uchet i fin. v kol'hoz, i sovkh. 20 no. 1:16-17 Ja '63.

Bulko, S. D., and others. [Accounting on collective farms] Bukhgalterskii uchet v kol'hozakh. Pod red. S. D. Bulko. Kiev, Gosstatizdat, USSR, 1962, 417 p.

New development in accounting for indivisible funds. E. S. Sofiev. Uchet i fin. v kol'hoz, i sovkh. 20 no. 1:55 Ja '63.

Sum up the annual results of the work on collective farms on time. Part. zhizn' [Uzb.] 8 no. 1:42-46 Ja '63.

Summarized accounts of collective farms for the period of 1935-1939 as a source of Russian history. M. A. Vyltann. Ist. arkh. 8 no. 6:146-161 N-D '62.

COLLECTIVE FARMS--ACCOUNTING--PROBLEMS, EXERCISES, ETC.

Kuznetsov, I. G. [Class problems in collective-farm accounting] Sbornik uprazhnenii po bukhgalterskomu uchetu v kol'hozakh; skvoznaia zadacha po planu v 20 schetov. Moskva, Gosstatizdat, 1962, 209 p.

COLLECTIVE FARMS--AUDITING AND INSPECTION

(see also subdivision under Kargopol' District; Leningrad District)

Reduce the number and improve quality of audits. V. I. Gorelkin. Uchet i fin. v kol'hoz, i sovkh. 20 no. 1:51 Ja '63.

Results of bad control. V. A. Chapkin. Uchet i fin. v kol'hoz, i sovkh. 20 no. 1:47-49 Ja '63.

Several problems in the analysis of the collective farm report. B. Ladodo. Fin. SSSR 37 no. 2:70-79 F '63.

COLLECTIVE FARMS--INCOME DISTRIBUTION

(see also subdivision under Crimea; Uzbekistan)

Principle of the material self-interest of collective farmers. A. Senchugova. Agitator no. 13:13-18 JI '62.

COLLECTIVE FARMS--INTERFARM COOPERATION

(see also subdivision under Kiev Province; Nikolayev Province; Ukraine; Volyn' Province)

"Development of intercollective farm production relations" by D. V. Valovoi. Reviewed by V. Udachin. Polit. samooobr. 6 no. 10:141-143 O '62.

Enlarge and consolidate the supply bases of interfarm building organizations. S. Kraevov. Sel. stol. 15 no. 3:14-16 Mr '60.

Legal regulation of the work of interfarm enterprises. M. Kravtsov. Rad. pravo no. 1:94-97 Ja-F '63.

Some problems concerning the land tenure of interfarm enterprises. P. Midpal'nyi. Rad. pravo no. 1:98-99 Ja-F '63.

- COLLECTIVE FARMS—LABOR PRODUCTIVITY**
Practices of M. V. Gubanov's highly productive team on the Kirov Collective Farm in Ama District, Voronezh Province. G. Gutchenko. *Sbor. stud. nauch. i issl. rab. VSEHI* 1 no. 1:27-31 '62.
- COLLECTIVE FARMS—LAWS AND LEGISLATION**
Collective farms and interfarm enterprises as the "subjects of rights" according to the "Basic Principles of Civil Law." Z. Pidopryhora. *Rad. pravo* no. 1:70-83 Ja-F '63.
- Kozyr', M. I., ed. [The 22d Congress of the CPSU and the problems of collective farms and agricultural law] XXII s'ezd KPSS i problemy kol'khozno i zemel'nogo prava; sbornik statei. Moskva, Gosizdat, 1962. 320 p.
- Legal aid to collective farms. P. Korotkov. *Rad. pravo* no. 5:76-77 S-O '62.
- Legal bases of collective farm operations. A. Ruskol. *Ekon. sel'khoz.* 34 no. 2:55-65 F '63.
- Legal regulation of the work of interfarm enterprises. M. Kravtsov. *Rad. pravo* no. 1:94-97 Ja-F '63.
- [Legislation manual for the collective farm chairman] Spravochnik po zakonodatel'stvu dlia predsedatelia kol'khoza. Moskva, Gosizdat, 1962. 593 p.
- We should strictly observe the statutes of collective farms. V. Khuritsa. *Rad. pravo* no. 1:113-114 Ja-F '63.
- COLLECTIVE FARMS—MANAGEMENT**
(see also subdivision under Namangan Province; Shipunovo District; Ukraine; Yangi-Aryk District)
- A collective farm is a great school of communism. G. Skorokhodov, A. Galitsyn. *Ekon. sel'khoz.* 34 no. 2:66-74 F '63.
- Morsin, S. S. [Organization of work on collective farms] Organizatsiia truda v kol'khozakh. Moskva, Sel'khozizdat, 1962. 85 p.
- Production brigade and its size on collective farms. I. Alaiskii. *Ekon. sel'khoz.* 34 no. 2:47-54 F '63.
- Production organization and planning on collective farms; I. Dmitrashko. *Agitator* no. 2:47-49 Ja '63.
- COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES**
see subdivision under Tashkent Province; Uzbekistan; Vasil'yevka District
- COLLECTIVE FARMS—PRODUCTION STANDARDS** see subdivision under Rostov Province
- COLLECTIVE FARMS—VALUATION**
Results of the revaluation of the capital assets of collective farms. A. Belikov. *Vest. stat.* no. 1:1-12 '63.
- COLLECTIVE LABOR AGREEMENTS**
(see also subdivision under Saratov Province)
- Let's have a look at the contracts. M. Bondin. *Mest. prom. i khud. promysl.* 3 no. 1:31-32 Ja '63.
- COLLECTORS AND COLLECTING**
Collectors in community centers. V. Radlov. *Kult. i pros. rab.* 23 no. 6:62 Je '62.
- COLLEGE AND SCHOOL JOURNALISM**
About those who work and study. V. M. Gordeev, N. V. Murav'ev. *Vech. sred. shkola* 5 no. 5:82-83 S-O '62.
- Wall paper in a school. V. I. Grinevich. *Vech. sred. shkola* 5 no. 5:46-47 S-O '62.
- COLLISIONS (NUCLEAR PHYSICS)**
Diffusion of charged plasma particles in a high magnetic field affecting collisions between particles. V. E. Golant. *Zhur. tekhn. fiz.* 33 no. 1:3-18 Ja '63.
- Formation of hypernuclei in collisions of Λ^+ particles with nuclei [with summary in English]. S. G. Matinian. *Trudy Inst. fiz. AN Gruz. SSR* 8:173-181 '62.
- Starodubtsev, S. V., and A. M. Romanov. [Passage of charged particles through matter] Prokhozhdenie zaryazhennykh chastits cherez veshchestvo. Tashkent, Izd-vo Akad. nauk UzSSR, 1962. 226 p.
- COLLISIONS AT SEA—PREVENTION**
Rules for the prevention of collisions at sea and radar on ships. V. A. Zaitsev. *Mor. sbor.* 46 no. 2:53-55 F '63.
- COLLOIDS**
Properties of sol nuclei and of titanium hydroxide obtained by the sulfuric acid method. V. G. Gomozyova and others. *Lakokras. mat. i ikh prim.* no. 1:26-30 '63.
- COLON (ANATOMY)—SURGERY**
Treatment of gangrene of the sigmoid [in Georgian with summary in Russian]. Sh. Z. Nemsitveridze. *Trudy Tbil. GIDUV* 6:459-467 '62.
- Treatment of torsion of the sigmoid by detorsion [in Georgian with summary in Russian]. Sh. Z. Nemsitveridze. *Trudy Tbil. GIDUV* 6:469-474 '62.
- COLONIES**
New effort to vindicate colonialism. N. A. Erofeev. *Vop. ist.* 38 no. 2:189-190 F '63.
- There is no place for colonialism in the world! *Agitator* no. 3:31 F '63.
- COLOR CENTERS**
Silver color centers in KCl-Ag crystals [with summary in English]. N. G. Politov, M. Sh. Getin. *Trudy Inst. fiz. AN Gruz. SSR* 8:253-262 '62.
- COLOR OF ANIMALS**
Colorimetric study of the variability of color in rodents under experimental conditions as related to the problem of hybrid populations. A. V. Pokrovskii, V. S. Smirnov, S. S. Shvarts. *Trudy Inst. biol. UFAN SSSR* no. 29:15-28 '62.
- Individual variability of color in two species of forest voles (*Clethrionomys rutilus* Pall. and *C. glareolus* Schreb.). V. N. Bol'shakov. *Trudy Inst. biol. UFAN SSSR* no. 28:125-127 '62.
- COLOR OF LEAVES**
A late fall. B. V. Grozdov. *Les. khoz.* 15 no. 9:83 S '62.
- Scale of fall color changes of tree and shrub leaves. P. I. Molotov. *Les. khoz.* 15 no. 9:57 S '62.
- COLOR PHOTOGRAPHY**
Investigating the color gamut. Part 2: Color gamut of the dyes. D. K. Balabukha. *Zhur. nauch. i prikl. fot. i kin.* 8 no. 1:10-21 Ja-F '63.
- COLOR PHOTOGRAPHY—EQUIPMENT AND SUPPLIES**
Standardization of the method of a comprehensive sensitive testing of multiple-layer color materials. G. S. Baranov, E. D. Kaisencelenbogen, L. K. Krupenin. *Zhur. nauch. i prikl. fot. i kin.* 8 no. 1:71-74 Ja-F '63.
- COLOR PRINTING**
The artist should work in the printing house. M. I. Flekel'. *Poligr. proizv.* no. 11:27-28 N '62.
- COLOR SENSE**
Essence of some new experiments on color vision. M. M. Bongard, M. S. Smirnov. *Fiz. v shkole* 22 no. 6:5-14 N-D '62.
- Pattern of activity in subjects performing a sensory task involving the reestablishment of equality between stimuli. K. V. Baydin. *Dokl. APN* 6 no. 5:101-104 '62.
- Spectral sensitivity of retinal receptors as determined in dichromats. N. I. Speranskaya. *Dokl. AN SSSR* 148 no. 3:702-703 Ja '63.
- COLOR TELEVISION**
Requirement to color signal level stability in a color television system with outlying subcarriers. L. A. Seval'nev. *Elektrosvyaz'* 17 no. 1:31-35 Ja '63.
- COLORLESS GLASS** see Glass, Colored
- COLORIMETERS**
Determining spermatozoid concentration with a wedge-shaped colorimeter. I. I. Rodin. *Veterinariia* 37 no. 11:78-80 N '60.
- COLORIMETRY**
Colorimetric determination of barbiturates by the intensity of violuric acid staining; veronal example. V. I. Lobanov. *Sud.-med. ekspert.* 6 no. 1:39-44 Ja-Mr '63.
- Sensitivity and determinable minimum of a color reaction [with summary in English]. A. B. Blank. *Zhur. anal. khim.* 17 no. 9:1040-1044 D '62.
- COLUMBIA—ECONOMIC CONDITIONS**
Bitter coffee of Columbia. I. I. Gvozdev. *Ogonek* 40 no. 5:128-29 D '62.
- COLYANTHACEAE** see subdivision under Tashkent
- COMBINES (AGRICULTURAL MACHINERY)**
Harvesting alfalfa seed plants with a combine. M. S. Ganiev. *Nauch. trudy UzNIME* no. 4:35-42 '60.
- The LK-4M flax-pulling combine. V. A. Oryshak. *Biol. tekhn. -ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform.* no. 1:65-68 '63.
- Unit consisting of a corn harvesting combine and a self-propelled grain combine. I. A. Chumachenko. *Mekh. sil'. hosp.* 13 no. 12:19-20 D '62.
- COMBINES (AGRICULTURAL MACHINERY)—ENGINES**
Koval', I. A., V. I. Vakhota', and B. S. Eremenko. [Standardized diesel engine for tractors and combines] Unifitsirovannyi dizel' dlia traktorov i kombainov. Moskva, Sel'khozizdat, 1962. 222 p.
- COMBINES (AGRICULTURAL MACHINERY)—MAINTENANCE AND REPAIR**
Reconstructing the shafts of the straw feeder of the SK-3 grain combine. D. H. Zbarskchuk. *Mekh. sil'. hosp.* 13 no. 12:17 D '62.
- COMBINES (AGRICULTURAL MACHINERY)—MODELS**
Model for demonstrating the work principle of the pick-up pin mechanism of the one-piece screw conveyor of the harvester of a self-propelled combine. V. T. Maslanyl. *Shkola i proizv.* 6 no. 8:72-75 Ag '62.
- COMBING MACHINES**
"Machinery for the combing operations of cotton spinning mills" by A. V. Goncharov. Reviewed by V. S. Goritskii. *Tekst. prom.* 23 no. 1:90-91 Ja '63.
- COMBUSTION**
Stability conditions of the combustion of gunpowder in a semiclosed volume. I. A. D. Zep'dovitch. *PMTF* no. 1:67-76 Ja-F '63.
- COMBUSTION, SPONTANEOUS**
On the stationary theory of thermal self-ignition. S. A. Kaganov. *PMTF* no. 1:133-135 Ja-F '63.
- Regularities of transition from pyrophoricity to ignition. A. G. Merzhanov, V. G. Abramov, V. T. Gontkevich. *Dokl. AN SSSR* 148 no. 1:156-160 Ja '63.
- COMETS**
Secrets of the skies. S. Vachkavitskii. *Nauka i rel.* 4 no. 1:8-13 Ja '63.
- COMIC LITERATURE** see Satire
- COMMANDER ISLANDS** see Komandorskiye Islands
- COMMERCE**
Serobriakov, S. V., and others. [The organization and techniques of trade] Organizatsiia i tekhnika torgovli. [By] P. T. Duk-Kazarov i dr. Moskva, Gosizdat, 1962. 464 p.
- Structural movements in the domestic trade of capitalist countries. G. Zolov. *Mir, ekon. i mezhdunar. otn.* no. 1:115-121 '63.
- COMMERCE—DICTIONARIES**
Zorin, I. N., comp. [Chinese-Russian general economic and foreign-trade dictionary] Kitaisko-russkii obshcheekonomicheskii i vneshtorgovyi slovar'. Moskva, Vneshtorgizdat, 1962. 600 p.
- COMMERCIAL AGENTS**
Granting and annulling the right to sign foreign trade transactions. *Vnesh. torg.* 42 no. 1:53-55 '63.
- Granting and nullifying the right to sign foreign trade agreements. *Vnesh. torg.* 43 no. 2:40-52 '63.
- COMMERCIAL ASSOCIATIONS**
The statute of the All-Union Foreign Trade Cooperative. *Vnesh. torg.* 42 no. 1:52-53 '63.
- COMMERCIAL LAW**
At the International Association of Legal Science. I. S. Romashkin, O. V. Bogdanov. *Vest. AN SSSR* 33 no. 2:96-99 F '63.
- "Legal regulation of the foreign trade of the U. S. S. R.," edited by D. M. Gonkin. Reviewed by V. Teplov. *Vnesh. torg.* 42 no. 1:38-40 '63.
- COMMERCIAL PRODUCTS**
[New consumer goods; information bulletin] *Nov. tovar. i inform. blul.* no. 3 '63.
- COMMON MARKET COUNTRIES** see European economic community
- COMMONWEALTH OF NATIONS—FOREIGN ECONOMIC RELATIONS—CANADA**
Canada and the Commonwealth of Nations. V. Sushchenko. *Mir, ekon. i mezhdunar. otn.* no. 1:36-46 '63.
- COMMUNICABLE DISEASES**
Errors in the diagnosis of infectious diseases. A. I. Korlov. *Sbor. rab. Sverd. med. inst.* no. 32:3-72 '61.
- COMMUNICABLE DISEASES—BIBLIOGRAPHY** see Bibliography—Communicable Diseases
- COMMUNICABLE DISEASES—PREVENTION**
Dunaeva, Kh. A. [How to protect children from communicable diseases] Kak uboroch' detei ot zarazykh zabolovani. Tashkent, Medgiz UzSSR, 1961. 63 p. (Nauchno-po-pul'marnata literatura) (DNLm)
- COMMUNICABLE DISEASES—RESEARCH** see subdivision under Uzbekistan
- COMMUNICATION AND TRAFFIC**
"Analysis of the economic activity of communications industries" by S. A. Malkin. Reviewed by S. K. Dunaev. *Sred. spets. obr.* 9 no. 12:54-56 D '62.
- [Directory of communication services] Spravochnik ob uslugakh svyazi. [Sost. G. A. Gusev i dr.] Moskva, Svyaz'izdat, 1961. 200 p. (NNC)
- COMMUNISM**
(see also subdivision under Mongolia)
- Atadomita nauk SSSR. *Otdelenie filiosofskikh i pravovykh nauk. [From socialism to communism] O sotsializme k kommunizmu.* Moskva, Izd-vo Akad. nauk SSSR, 1962. 740 p.
- An all-Union conference on the law of the transition of the underdeveloped countries to socialism and communism, bypassing the stage of capitalism. Z. Osmanova. *Nar. Az. i Afr.* no. 1:237-240 '63.
- The carrying-out of the decisions of the November Plenum of the Central Committee of the CPSU will ensure new success in the building of communism. *Elek. i tepl. liaga* 6 no. 12:1-2 D '62.
- Communism is the bright future of mankind. A. Sosnov. *Komm. Vooruzh. Sil* 3 no. 2:68-74 Ja '63.

COMMUNISM (Continued)

Communist ideology. *Kommunist* 39 no.4:3-13 Mr '63.
"Decisions of the 22d Congress of the CPSU are a comprehensive program of the building of communism." Reviewed by G. Budai. *Komm. Bel.* 37 no.2:62-66 F '63.

Digress in a glass tube. B. Bykhovskii. *Nov. vrem.* 20 no.9:12-14 Mr '63.

Fifth year of the seven year plan. N. M. Semenov. *Avtom., telem. i svyaz'* 7 no.3:1-3 Mr '63.

The future belongs to communism. *Polit. samobor.* 6 no.10:3-9 O '62.

Improve and introduce new technical techniques in a proper way. B. S. Riazantsev. *Avtom., telem. i svyaz'* 7 no.1:1-3 Ja '63.

Initiative and inventiveness are of great importance. *Radio* no.3:1-2 Mr '63.

Khromushin, G. V. [Anticommunism in a blind alley] *Antikommunizm v tупike*. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, III Seriya: Ekonomika, no.3)

Labor productivity should be increased and production costs decreased. *Tekh. v sel'khoz.* 22 no.7:1-3 Ji '62.

Let us strengthen the unity of the communist movement in the name of peace and socialism. *Komm. Uz.* 35 no.1:3-24 Ja '63.

[The material and technological base of communism; concise manual] *Material'no-tekhnicheskaya baza kommunizma; kratkii spravochnik*. Moskva, Gospolitizdat, 1962. 141 p.

The nature of money under socialism. I. Aizenberg. *Den, i kred.* 21 no.2:12-21 F '63.

Navikov, A. I. [Scientific communism and the impotence of its critics] *Nauchnyi kommunizm i bessilie ego kritikov*. Leningrad, Ob-vo po rasprostraneniю polit. i nauchn. znaniy RSFSR, 1962. 59 p.

The people and the army are united. *Radio* no.2:1-2 F '63.

[Socialist production and distribution] *Sotsialisticheskoe proizvodstvo i raspredelenie*. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 431 p. (Sotsialisticheski sposoby proizvodstva, no.2)

Soviet students of Marxism have met with the foreign Marxists. G. R. Nov. i noveish. ist. no.6:180 '62.

This is the fifth year of the seven year plan. *Elek. sta.* 34 no.1:2-6 Ja '63.

Toward new accomplishments in agriculture. *Tekh. v sel'khoz.* 22 no.12:1-4 D '62.

COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

COMMUNISM—PERIODICALS

International forum of the Communists; a review of the periodical "Problemy mira i sotsializma." *Kommunist* 39 no.4:94-98 Mr '63.

COMMUNISM AND ART

According to the laws of beauty. S. Valerius. *Iskusstvo* 25 no.11:13-15 '62.

Art belongs to the people. O. Butkevich. *Agitator* no.3:21-23 F '63.

[Building of communism in the U.S.S.R. and the tasks of the fine arts] *Stroitel'stvo kommunizma v SSSR i zadachi izobrazitel'nogo iskusstva*. Moskva, Sovetskii khudozhnik, 1962. 1 v.

Gerasimovich, E. P. [Theater in the communist education of workers] *Teatr v kommunalisticheskoy vospitanii trudnyashchikhsia*. Minsk, 1962. 30 p. (Obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy Belorusskoi SSR, no.26)

The great mission of Soviet art is to serve the people and the cause of communism. *Iskusstvo* 25 no.11:2-4 '62.

The Great October and art. *Mystetstvo* 9 no.6:1-3 N-D '62.

The great strength of Soviet literature and art lies in high ideological and artistic standards; speech by N. S. Krushchev at a meeting of Communist Party and Government leaders with figures in literature and art on March 8, 1963. *Nov. vrem.* 20 no.11:31-48 Mr '63.

Great traditions of Soviet art. *Iskusstvo* 25 no.11:6-9 '62.

Ideology in literature and art. *Nov. vrem.* 20 no.11:1-2 Mr '63.

It is a great honor to serve the Soviet people. *Kommunist* 39 no.5:3-10 Mr '63.

Kudin, V. A. [What art is] *Shcho take mystetstvo. 2., dop. vyd.* Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, URSR, 1962. 53 p. (Bibliotekha z pytan' mystetstva)

Why is surrealism dangerous? I. Kulikova. *Otv. na vop.* trud. no.11:21-30 N '62.

COMMUNISM AND LITERATURE

The great strength of Soviet literature and art lies in high ideological and artistic standards; speech by N. S. Krushchev at a meeting of Communist Party and Government leaders with figures in literature and art on March 8, 1963. *Nov. vrem.* 20 no.11:31-48 Mr '63.

Ideology in literature and art. *Nov. vrem.* 20 no.11:1-2 Mr '63.

It is a great honor to serve the Soviet people. *Kommunist* 39 no.5:3-10 Mr '63.

"Modern man"; the conceptions of "universalization" and "integration" of individuals. V. Shcherbina. *Vop. lit.* 6 no.12:3-18 D '62.

The most important problem. V. Smirnov. *Kommunist* 39 no.5:83-88 Mr '63.

COMMUNISM AND RELIGION

By work or by prayer. G. Suglov. *KuPt.-proe. rab* 23 no.12:38-41 D '62.

COMMUNISM AND SCIENCE

The building of communism and the process of transforming science into immediate production force. N. Prolov. *Komm. Mold.* 7 no.1:15-24 Ja '63.

Puzikov, P. D. [Science is an immediate productive force] *Nauka - neposredstvennaya proizvoditel'naya sila*. Minsk, 1962. 29 p. (Obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy Belorusskoi SSR, no.28)

COMMUNIST COUNTRIES

Youth of the world; facts of the socialist reality. *Agitator* no.5:26-28 Mr '63.

COMMUNIST COUNTRIES—ECONOMIC ASSISTANCE, RUSSIAN

Economic cooperation of the U.S.S.R. with socialist countries [with English summary in appendix]. I. Kapranov. *Vnesh. torg.* 43 no.2:3-13 '63.

COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

Development and strengthening of the world socialist system. A. V. Kornilov. *Prep. ist. v shkole* 17 no.6:18-28 N-D '62.

New phase in the development of a world system of socialist economy. A. M. Alekseev, L. P. Ivanova. *Vop. ist. KPSS* 7 no.1:42-55 Ja '63.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS

Akademiya nauk SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [The building of communism in the U.S.S.R. and cooperation among the socialist countries] *Stroitel'stvo kommunizma v SSSR i sotrudnichestvo sotsialisticheskikh stran*. Pol. obshchest. red. G. M. Sorokina. Moskva, Ekonomizdat, 1962. 334 p.

Akademiya nauk SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [Economic cooperation and mutual aid in socialist countries] *Ekonomicheskoe sotrudnichestvo i vzaimopomoshchi sotsialisticheskikh stran*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 272 p.

"Fraternal cooperation" by S. Zhurba. Reviewed by N. Klymenko. *Komm. Ukr.* 37 no.5:91-92 My '62.

New phase in the development of a world system of socialist economy. A. M. Alekseev, L. P. Ivanova. *Vop. ist. KPSS* 7 no.1:42-55 Ja '63.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS—UKRAINE

Kulnych, I. M., and I. A. Peters. [Economic cooperation between the Ukrainian S.S.R. and socialist countries] *Ekonomichne spivrobitnytstvo Ukrainy kol RSR z kraïnamy sotsializmu*. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 54 p.

COMMUNIST COUNTRIES—HISTORY—STUDY AND TEACHING

Discussing the role of the working class in the people's democratic revolutions. L. N. Bogolubov. *Prep. ist. v shkole* 17 no.6:51-61 '62.

COMMUNIST COUNTRIES—INDUSTRIES

Akademiya nauk SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [Economic cooperation and mutual aid in socialist countries] *Ekonomicheskoe sotrudnichestvo i vzaimopomoshchi sotsialisticheskikh stran*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 272 p.

COMMUNIST COUNTRIES—SOCIAL CONDITIONS

Eganov, G. L. [Problems of the economic development of the U.S.S.R. in the work of the economic geographers of the U.S.A.] *Problemy ekonomicheskogo razvitiia SSSR i stran narodnoi demokrati v trudakh ekonomiko-geografy SShA*. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 241 p.

COMMUNIST COUNTRIES—STATISTICS

"The economy of socialist countries in figures for 1960," edited by G. B. Gertsovich. Reviewed by V. G. Sots. trud 8 no.1:153-155 Ja '63.

COMMUNIST COUNTRIES—TELEPHONE

Zalondkovskii, E. A., M. Novolny, and J. Pekarek. [The MN-60 apparatus for international semiautomatic telephone communication] *Apparatura poluavtomaticheskoi mezhduarodnoi telefonnoi svyazi MN-60*. Moskva, Svyaz'izdat, [1962] 212 p.

COMMUNIST EDUCATION

(see also subdivision under Alma-Ata Province; Kharkov Province; Kilmovichi region; Kokchetav Province; Moscow; Tambovsk Province; Tatar A.S.S.R.)

Brief news. *Polit. samobor.* 7 no.1:143-144 Ja '63.

Cherednychenko, A. P. [Training of academic youth] *Vykhovanniya student'skoi molodi.* [Odesa] Odes'ke knyzhkovye vyd-vo, 1959. 14 p. (Bibliotekha agitatora)

Forming the personality of a future teacher. A. Shcherbakov. *Nar. obr.* no.2:15-18 F '63.

Important problems in the education of the forthcoming generation for work. V. Nemchenko. *Polit. samobor.* 6 no.10:122-132 O '62.

Leninist principles of communist education. V. Stepanov. *Kommunist* 39 no.5:11-21 Mr '63.

Let us talk about the education of students. V. Mordkovich. *Agitator* no.7:54-56 Ap '62.

Let's base their education on revolutionary traditions. L. A. Rozhn. *Vech. sred. shkola* 5 no.5:24-26 S-O '62.

Let's join our efforts in forming a communist outlook! *Rus. iaz. v shkole* 24 no.1:1-5 Ja-F '63.

Letters to the editor. F. Cherniakov and others. *Polit. samobor.* 7 no.1:91-95 Ja '63.

Materials of the 22nd Congress of the CPSU on mathematics lessons. G. D. Gleizer. *Vech. sred. shkola* 5 no.6:28-30 N-D '62.

On the most important. E. Brand. *Sred. spets. obr.* 9 no.12:23-27 D '62.

Soviet people build socialism. T. S. Golubeva, L. S. Gollershtein. *Nach. shkola* 31 no.1:97-92 Ja '63.

Study of the current problems of the theory and policy of the CPSU is a vital necessity for every Soviet citizen. P. I. Barbarinskii. *Sred. spets. obr.* 9 no.12:46-53 D '62.

Study of the materials of the 22d Congress of the CPSU should be at the center of attention. *Prep. ist. v shkole* 17 no.6:48-50 N-D '62.

Using the materials of the 22d Congress of the CPSU in biology classes. E. V. Zherelina. *Biol. v shkole* no.5:6-12 S-O '62.

The way to hearts. N. Koneva. *Polit. samobor.* 7 no.1:86-89 Ja '63.

We are studying the materials of the 22nd Congress of the CPSU. I. A. Kornilov. *Vech. sred. shkola* 5 no.5:18-20 S-O '62.

Without deep analysis and generalizations. *Polit. samobor.* 7 no.1:128-131 Ja '63.

Work of the Central Bureau of Proletarian Students in the field of ideological and political education in the years 1923-1926. B. N. Voskobeinikov. *Trudy MGAI* 16:83-112 '61.

COMMUNIST EDUCATION—AUDIO-VISUAL AIDS

Kutasov, I. A. [Visual propaganda] *Nagladnaya agitatsiya*. Moskva, Gospolitizdat, 1962. 143 p.

COMMUNIST EDUCATION—BIBLIOGRAPHY see Bibliography—Communist education

COMMUNIST EDUCATION—CURRICULA

Moscow. *Akademiya obshchestvennykh nauk.* [Study plans for the evening universities of Marxism-Leninism] *Uchebnye programy dlia vechernikh universitetov marksizma-leninizma*. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 719 p.

COMMUNIST ETHICS

Bushlia, A. K. [Moral education of the evening (tagored) school students during the process of instruction] *Nravstvennoe vospitanie uchashchikhsia vechernoi (smennoi) shkoly v protsessе obucheniia*. Moskva, Izd-vo APN RSFSR, 1962. 46 p. (Vechernio smennye srednie shkoly)

Carry high the banner of Lenin, young builders of communism! Comrade N. S. Khrushchev's address to the 14th Congress of the Communist Youth League, April 19, 1962. *Mol. komm.* no.5:7-22 My '62.

The code of communist ethics. M. Holovko. *Sots. kul't.* no.2:3-4 F '63.

Ethical code of the builders of communism. P. Silvan-chik, G. Makhanek. *Komm. Bel.* 37 no.2:21-26 F '63.

For the creative development of Marxist-Leninist ethics. *Vop. filos.* 17 no.2:3-14 '63.

High requirement. B. Dolgotovich. *Komm. Vooruzh.* Sl 3 no.23:64-68 D '62.

How to study the theme, "The basic differences between communist and religious ethics." *Komm. Bel.* 37 no.2:55-59 F '63.

Kozhin, A. I. [According to the duty of a man of the new world] *Po dolgu cheloveka novogo mira*. Moskva, Gospolitizdat, 1962. 61 p. (Moral'nyi kodeks stroitel'ia kommunizma)

Laws of workers' honor. *Znan.-sila* 37 no.12:1 D '62.

"Man of the future," a discussion in a workingmen's club. R. Vishnevskii. *Agitator* no.13:59-60 Ji '62.

Marxist ethics and happiness. P. A. Landesman, I. U. V. Sogomonov. *Vop. filos.* 17 no.2:145-156 '63.

Moral purity of the Soviet fighting man. K. Painsov. *Komm. Vooruzh.* Sl 3 no.2:49-54 Ja '63.

Obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy RSFSR. *Leningradskoe otdeleniie.* [Communist ethics] *O kommunalisticheskoi etike*. Leningrad, 1962. 420 p.

Popular works on the "code of communist ethics." P. Kurochkin. *Kommunist* 39 no.4:119-122 Mr '63.

COMMUNIST ETHICS (Continued)

Runova, I.S. [We should struggle against the petit bourgeois way of thinking] 8 meshchanstvom nado borot'sia. [Leningrad] Lenizdat, 1962, 64 p. (Besedy o moral'-nom kodekse)

Truthfulness is the most important principle in political propaganda. N. Loginov. Agitator no. 2:22-26 Ja '63. When a man is rich spiritually... I.A. Tavrov. Polit. samooobr. 7 no. 1:100-106 Ja '63.

Zalets', P.M. [Comradeship, friendship, and love] Pro tovaryshuvannya, druzhbu i lyubov. Kyiv, T-vo dlia poshyrennia polit. i naukovykh znan' Ukrain'skoi RSR, 1959, 20 p.

COMMUNIST ETHICS—BIBLIOGRAPHY see Bibliography—Communist ethics

COMMUNIST LABOR see Socialist competition

COMMUNIST PARTIES

Communists are staunch fighters for national independence. I.U. Bochkarev. Kommunist 39 no. 5:105-113 Mr '63.

Ideas inspiring millions. P. Mineev. Agitator no. 7: 30-33 Ap '62.

Let us strengthen the unity of the communist movement in the name of peace and socialism. Komm. Uz. 35 no. 1:3-24 Ja '63.

Postwar international contacts and fraternal cooperation of Marxist-Leninist parties (with summary in English, p. 189). E. I. Udal'tsov. Nov. i noveish. ist. no. 6:58-70 '62.

COMMUNIST PARTIES—PERIODICALS

Articles on the history of communist parties published in foreign journals. Vop. ist. KPSS 7 no. 1:143-145 Ja '63.

COMMUNIST PARTY see subdivision under Belgium; Bulgaria; Canada; Germany; Honduras; Indonesia; Israel; Italy; Japan; Lithuania; Ruhr Valley; South Africa; Republic of; Ukraine; Western; United States

COMMUNIST PARTY OF THE SOVIET UNION (see also subdivision under Armenia; Astrakhan Province; Leningrad; Uzbekistan; Volgograd; White Russia)

Acquisition of documentary materials by the archives of the Communist Party. M. I. Chugunov. Vop. arkh. 7 no. 3:56-59 Ji-S '62.

Along Lenin's well-established road toward the triumph of communism! Komm. Uz. 34 no. 12:10-16 D '62.

Basic problems of the development of the Communist Party and the Soviet state. Nach. shkola 31 no. 1:3-7 Ja '63.

Brief news. Vop. ist. KPSS 7 no. 1:150-157 Ja '63.

Brief news. Vop. ist. KPSS 7 no. 2:156-158 F '63.

"The CPSU as the leader and educator of the Red Army, 1918-1920" by I.U. P. Petrov. Reviewed by G. V. Kuz'min. Vop. ist. 38 no. 2:128-130 F '63.

Communist Party, organizer of the victory of the Great October Revolution. G. Golikov. Polit. samooobr. 6 no. 10:10-19 O '62.

Concept of a source for the history of the CPSU. V. I. Zlobin. Vop. ist. KPSS 7 no. 1:108-100 Ja '63.

A decision of the Central Committee of the CPSU. Vop. ist. KPSS 7 no. 1:3-5 Ja '63.

Development of the Soviet national economy and reorganization of its guidance by the party; decision of the plenary session of the Central Committee of the CPSU based on the report of Comrade N. S. Khrushchev, November 23, 1962. Komm. Uz. 34 no. 12:3-9 D '62.

Economics and production are the main things in party leadership. G. Shitarev. Komm. Vooruzh. Sil 3 no. 2: 16-23 Ja '63.

Growth of the role of the CPSU in the building of communism. V. Evdokimov. Polit. samooobr. 7 no. 1:3-12 Ja '63.

[How the Communist Party struggled for the consolidation and development of socialist society, 1937-June 1941] Kommunisticheskaya partiya v bor'be za uprochnenie i razvitiye sotsialisticheskogo obshchestva (1937 god - Iyun' 1941 god); dokumenty i materialy. Moskva, Gospolitizdat, 1962, 403 p. (V pomoshch' izuchaiushchim istoriiu KPSS)

How to overcome the cult of personality in lectures and talks on the history of the CPSU. M. Vakhobov, A. Vodoizakii. Komm. Uz. 35 no. 1:87-95 Ja '63.

How to study the sources of the history of the CPSU. S. O. Shmidt. Vop. ist. KPSS 7 no. 2:101-104 F '63.

How to study the theme, "The struggle of the Communist Party for the rapid development of the national economy and the conclusion of the building of socialism, 1953-1958." I. Rosman. Komm. Bel. 37 no. 2:48-54 F '63.

Ishchenko, I.U. N. [The wings of our time; Soviet youth should know the program and statutes of the CPSU] Kryla nashoi epokhy; molodi pro Programu i Statut KPSS. Kyiv, Vyd-vo "Molod", 1962, 213 p.

Kommunisticheskaya partiya Sovetskogo Soyuza. Tsentral'nyi Komitet. [Plenum of the Central Committee of the Communist Party of the Soviet Union, January 19-23, 1962. Verbatim report] Plenum 19-23 yanvarya 1962 goda; stanograficheskii otchet. Moskva, Gospolitizdat, 1963, 607 p.

Let's carry out the party resolutions! Okhr. truda i sots. strakh. 5 no. 12:1-2 D '62.

Let's make use of local material on the history of the party. E. P. Golubeva, V. D. Tabunkin. Vest. vys. shkoly 21 no. 1:77-79 Ja '63.

New contribution to the Marxist-Leninist theory of communism. Vop. ist. KPSS 7 no. 1:6-15 Ja '63.

The new edition of the textbook "History of the CPSU." M. Musaev. Part. zhizn' [Uzb.] 6 no. 1:91-95 Ja '63.

Party fights against the exploiters, for the dictatorship of the proletariat. N. Pankratov. Komm. Vooruzh. Sil 3 no. 2:75-81 Ja '63.

Petrovichev, N.A. [Primary party organizations] Per- vichnye organizatsii partii; lektsii, prochitannye v Vys- shnei partinnoi shkole pri TsK KPSS. Moskva, Izd-vo VPSU i AON pri TsK KPSS, 1962, 71 p. (Partinnoe stroitel'stvo: Kurs lektsii)

Postwar efforts of the party to restore and develop the national economy of the socialist state, 1945-1953. L. M. Bromberg, V. G. Shirokov. Vop. ist. KPSS 7 no. 1:76-85 Ja '63.

Problems of studying the sources for the history of the CPSU. V. I. Strel'skii. Vop. ist. KPSS 7 no. 1:100-102 Ja '63.

Qualified party guidance should be provided for enterprises and construction. S. Durnikin. Part. zhizn' [Uzb.] 6 no. 1:59-60 Ja '63.

[Readings on the history of the CPSU; in three volumes] Khrestomatia po istorii KPSS; v trekh tomakh. [Sost.: Gaubakh, B. V., Temirbaev, K. M., Iudachev, S. A.] Moskva, Gospolitizdat, 1962, 47 p.

Vol. 3. [1945-April 1962] 1945 g. - april' 1962 g. 1963, 803 p.

Russia (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program of the course "History of the CPSU" for institutions of higher learning of the U.S.S.R.; 150 hours] Programma kursa "Istoriiu KPSS"; dlia vysshikh uchebnykh zavedenii SSSR (na 150 chasov). Moskva, Sotsekgiz, 1962, 47 p.

Some corrections. M. A. Varshavchik. Vop. ist. KPSS 7 no. 2:104-106 F '63.

V. I. Lenin's appeal to the Communists to set an example of public responsibility. V. M. Shapko. Vop. ist. KPSS 7 no. 1:66-75 Ja '63.

COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Borisov, A.A. [Congress of the builders of communism] S'ezd stroitelei kommunizma. [Leningrad] Lenizdat, 1962, 118 p.

Ideas inspiring millions. P. Mineev. Agitator no. 7: 30-33 Ap '62.

Navy newspaper publicizes the decisions of the November Plenum of the Central Committee of the CPSU. Komm. Vooruzh. Sil 3 no. 2:91-92 Ja '63.

Victory of the Leninist peace policy. G. Golikov, N. Ruban. Part. zhizn' no. 5:50-62 Mr '63.

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

Concerning the registration of communists. Komm. Vooruzh. Sil 3 no. 2:84-86 Ja '63.

What penalties can the party impose on a Communist? Komm. Vooruzh. Sil 3 no. 2:86-87 D '62.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Alma-Ata; Andizhan Province; Armenia; Belgorod-Dnestrovskiy District; Bobrovka, East Kazakhstan Province; Chita; Kazakhstan; Kishinev; Leningrad; Lyubashevka District; Moldavia; Naro-Fominsk; Nikolayev Province; Nukus; Odessa; Tashkent; Tatar A.S.S.R.; Termez; Uzbekistan; White Russia)

Accurate and truthful; an open letter to the propagandist. N. Sorokin, L. Kolodin. Agitator no. 3:42-44 F '63.

Agitators must be guided constantly. A. Lebdinskii. Agitator no. 7:50-51 Ap '62.

Aiming at one goal. V. Tokar'. Part. zhizn' no. 5:33-35 Mr '63.

Anikin, V. V. [The secretary is the organizer of the work of the party office] Sekretar' - organizator raboty partbiuro. [Moskva] Mosk. rabochii, 1962, 38 p. (Bibliotekha sekretaria partorganizatsii)

Astakhov, I.A. S. [Department of political education] Kabinet politicheskogo prosveshcheniia. [Leningrad] Lenizdat, 1962, 36 p. (Na obshchestvennykh nachalakh)

Belakov, A. A. [Reach every individual] Dokhodit' do kazhdogo cheloveka. Moskva, Izd-vo "Sovetskaya Rossiia", 1962, 54 p. (Resheniia XXII s'ezda KPSS - v zhizn')

Chumichev, V. A. [Lenin's party leads to communism] Lenin'skaya partiia k kommunizmu vedet. [Leningrad] Lenizdat, 1962, 78 p.

Concrete and businesslike. Part. zhizn' no. 5:14-18 Mr '63.

Created and educated by the party. V. Chuikov. Agitator no. 2:12-17 Ja '63.

Creative approach. I. Lipa. Agitator no. 5:35-3 '63.

The decisive period of the election campaign. Agitator no. 4:3-5 F '63.

Developing the U.S.S.R. economy and reorganizing party guidance of the national economy. Decree. Plenum of the Central Committee of the CPSU ba Comrade N. S. Khrushchev's report adopted on November 23, 1962. Nar. khoz. Kazakh. 20 no. 11:3-6 I Doyha, M. L. Osobystyi pryklad agitatora. [Odesa] Odes'ke knyzhkovye vyd-vo, 1960, 12 p. (Bibliot agitatora)

Economic problems should be the center of the pol work with the masses. M. Morozov. Agitator n 6-11 Ja '63.

Editor's mailbox. A. Foteeva and others. Agitator no. 7:59-60 Ap '62.

Efficient propaganda. A. Kuz'min. Agitator no. 5 Mr '63.

For the further development of Lenin's principles of the party guidance of the national economy. Nar. Uzb. 4 no. 12:3-10 D '62.

Helping people, that is our mission. E. Kozlova. Agitator no. 4:30-32 F '63.

The holiday of mankind's spring. E. Ligachev. Agitator no. 7:8-11 Ap '62.

Inspection is a help. I. Molchanov. Grazhd. av. 16 no. 12:7-8 D '62.

Inspiring the track maintenance workers in labor achievements. N. G. Iurchenko. Put' i put. khoz. no. 2:35 '63.

Leningrad. Institut istorii partii. [On the road to technological progress] Na putiakh tekhnicheskogo progressa; iz opyta raboty Leningradskoi partinnoi organizatsii, 1951-1961 gg. [By] E. V. Mazalov i d [Leningrad] Lenizdat, 1962, 480 p.

Leningrad. Vysshaya partinlnaia shkola. [The problem of party work] Voprosy partinlnogo stroitel'stva; sh lektsii. [Leningrad] Lenizdat, 1962, 767 p.

Let's carry out the resolution of the November Plenum of the Central Committee of the CPSU. Sred. apela. 9 no. 12:1-4 D '62.

Letters, information, comments. Agitator no. 2:56- Ja '63.

Letters, information, comments. Agitator no. 4:53- F '63.

Letters, information, comments. P. Dytiuk and othe Agitator no. 3:58-59 F '63.

Letters, information, comments. U. Skhir'ladze and others. Agitator no. 5:56-58 Mr '63.

Machine tools and machinery should work full-time. N. Volodin. Agitator no. 5:47-49 Mr '63.

Malboroda, L. S. [Educational work in lodgingshouses] Vykhodna rabota v hutoroznykh. [Odesa] Odes'ke knyzhkovye vyd-vo, 1959, 15 p. (Bibliotekha agitak

[The message of a propagandist] Slovo agitatora. Mo skva, Izd-vo "Sovetskaya Rossiia", 1962, 93 p. (Resheniia XXII s'ezda - v zhizn')

Millions are listening to the lecturer. A. I. Romanov. Polit. samooobr. 6 no. 10:77-90 O '62.

More effective use of hidden potentialities. G. Krivosh Part. zhizn' no. 5:30-33 Mr '63.

A most important task of the government. E. Karnaukhova. Agitator no. 5:12-17 Mr '63.

Nasonov, P. P. [Visual propaganda in factories] Nacho agitatsiia na zavodi. [Odesa] Odes'ke knyzhkovye vyd vo, 1960, 17 p. (Bibliotekha agitatora)

No pauses, no slack. Agitator no. 7:3-5 Ap '62.

Nuzhnyi, N. L. [Closer to life and work] Blizhe k zhizni trudu. [Leningrad] Lenizdat, 1962, 43 p. (Biblioteka sekretaria partinnoi organizatsii)

On the boundary of the Soviet land. I. Sokolenko. Agitator no. 4:2 F '63.

One week in Tatarbunary. I.A. Fomenko. Part. zhizn' no. 5:25-30 Mr '63.

Our method for increasing grain production. F. Martyn Part. zhizn' no. 5:19-25 Mr '63.

Party news. Part. zhizn' no. 5:70-80 Mr '63.

Policy of the Communist Party is the most important subject of political propaganda; advice for propagandist M. Kur'ianov. Agitator no. 13:44-47 Ji '62.

Propaganda must reach every man. P. Afanas'ev. Polit. samooobr. 6 no. 10:91-97 O '62.

Pudalov, I. L. [Admission to party membership and the training of young Communists] Priem v partiia i vospitanie molodykh kommunistov. [Moskva] Mosk. rabochii, 1962, 33 p. (Bibliotekha sekretaria partorganizatsii)

Put the decisions of the November Plenum of the Central Committee of the CPSU into effect. Nar. khoz. Kazakh. 20 no. 12:3-11 D '62.

Readers' answers. Part. zhizn' no. 5:78 Mr '63.

Readers continue the discussion. Agitator no. 5:38-40 Mr '63.

[School for the training of communists] Shkola vospitania kommunistov. [By] O. N. Smirnova i dr. [U'lanovsk] U'lanovskoe knyzhnoe izd-vo, 1960, 39 p. (Bibliotekha partinnoi rabotnika)

(MH)

COMMUNIST PARTY OF THE SOVIET UNION — PARTY WORK (Continued)

Secretary of a primary party organization. Part. zhizn' no. 5:3-7 Mr '63.

Semenov, I. A. [Party control on state farms] Partinnyi kontrol' v sovkhوزه. [Leningrad] Lenizdat, 1962. 16 p. (Biblioteka sekretaria sel'skoi partorganizatsii)

Sichegolev, A. I. [Leninist style in work] O leninskom stile v rabote; lektsii, prochnnnye v Vysshel partinnoi shkole pri TsK KPSS, Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 44 p. (Partinnoe stroitel'stvo: Kurs lektsii)

This is our duty! N. Sorokin. Agitator no. 2:27-29 Ja '63.

Thoughts aloud. N. Shagaev. Agitator no. 4:33-34 F '63.

Truthfulness is the most important principle in political propaganda. N. Loginov. Agitator no. 2:22-26 Ja '63.

The volunteer section is in operation. V. Koshkin. Part. zhizn' [Uzb.] 6 no. 1:87-89 Ja '63.

We should try to win the heart and influence the mind of Soviet men. Agitator no. 13:3-8 Ji '62.

When a word reaches the target. E. Vikulova. Agitator no. 7:47-49 Ap '62.

The word is the commander of human strength. N. Shchevelev. Agitator no. 4:35-38 F '63.

Zolotukhin, G. S. [The leading fighters for communism] Peredovye boitsy za kommunizm. Moskva, Izd-vo "Sovetskaya Rossiia," 1962. 75 p. (Reshenia XXII s'ezda KPSS - v zhizni')

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union—Party work

COMMUNIST REVISIONISM

How Rosa Luxemburg struggled against revisionism; from her unknown letters to J. Tyazka (L. Yoghva), 1898-1899 (continuation). Nov. i noveish. lit no. 6:135-139 '62.

COMMUNIST STATE

Program of the CPSU on the dictatorship of the proletariat and the socialist state. F. Rudych. Komm. Ukr. 37 no. 5:67-75 My '62.

Torleis'kyl, V. M. [The state and communism] Derzhava i kommunizm. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 102 p. (Problemy kommunistychnoho budivnytstva v svitli rishen' XXII z'izdu KPSS)

Theoretical problems of the national state. A. Kositsyn. Kommunist 38 no. 5:118-124 Mr '63.

COMMUNIST YOUTH see subdivision under Czechoslovakia

COMMUNIST YOUTH LEAGUE

(see also subdivision under Gomel'; Kamenka-Bugakaya District; Severo-Zadonsk; Sverdlovsk; Tallinn; Uzbekistan; Voronezh)

Campaigning for cheap corn. A. Boluev. Komsom. zhizn' no. 1:22-23 Ja '62.

Carry high the banner of Lenin, young builders of communism! Comrade N. S. Khrushchev's address to the 14th Congress of the Communist Youth League, April 19, 1962. Mol. komm. no. 5:7-22 My '62.

"Communist Youth Searchlights" at their combat posts. Mor. flot 23 no. 2:3 F '63.

A council of young scientists. V. Mel'nikov. Komsom. zhizn' no. 1:8-9 Ja '62.

The girl with a red band. K. Trots'akov. Komsom. zhizn' no. 1:10-11 Ja '62.

Hidden potentialities of a work brigade. N. Novoselov. A. Anufriev. Komsom. zhizn' no. 1:24 Ja '62.

High requirement. B. Dolgotovich. Komm. Vooruzh. Sil 3 no. 23:64-66 D '62.

[In the name of the heroes of the Communist Youth League] Imeni geroin-komsomol'tsa. [Moskva] Izd-vo "Molodaya gvardiya," 1962. 206 p.

Kamshalov, A. I. [Young patriots on state farms and collective farms] Molodye patrioty v sovkhovakh i kol'khovakh. [Moskva] Mosk. rabochii, 1962. 62 p. (V pomoshch' agitatoru i propagandistu)

"Law of our life." Komm. Vooruzh. Sil 3 no. 23:96 D '62.

Let's start to work, young friends! Mol. komm. no. 5:23-28 My '62.

Life demands a search for new things. Vest. vys. shkoly 21 no. 1:58-63 Ja '63.

A matter that concerns all the youth. IU, Verchenko. Kul't.-pros. rab. 23 no. 8:2-5 Ag '62.

The primary organization is at the center of attention. IU, Ustinov. Komm. Vooruzh. Sil 3 no. 23:62-64 D '62.

Search and find. Komsom. zhizn' no. 1:25 Ja '62.

To the 14th Congress of the All-Union Lenin Communist Youth League. Mol. komm. no. 5:2-5 My '62.

We know how to do it by ourselves. L. Kusova. Komm. zhizn' no. 1:11 Ja '62.

Your work prepares your future. V. Samsonov. Komsom. zhizn' no. 1:8-10 Ja '62.

COMMUNIST YOUTH LEAGUE—CONGRESSES

Luk'ianov, B. B., and A. P. Romanov. [Sunny forum; reporting from the Kremlin's Palace of Congresses. The 14th Congress of the Communist Youth League] Solnechnyi forum; reportazh iz Kremlevskogo Dyortsa s'ezdov. XIV s'ezd VLKSM. [Moskva] Molodaya gvardiya, 1962. 93 p. (CS-UH)

COMMUNITY AND SCHOOL (see also subdivision under Rostov Province)

By a common effort. G. Vlasov. Prof.-tekh. obr. 20 no. 2:13-14 F '63.

Collective farm communists help a school. E. Dushnikov. Nar. obr. no. 2:79 F '63.

Work of a committee on aid to schools. D. B. Bulnaev. Vech. sred. shkoly 6 no. 5:9-11 S-O '62.

COMMUNITY CENTERS

(see also subdivision under Altai Territory; Baku; Brest; Gorkiy; Izhevsk; Kazakhstan; Kazan; Khorol District; Kiev; Kondopoga; Leningrad; Lvov; Magnitogorsk; Moscow; Novosibirsk Province; Podporozh'ye; Riga; Rostov; Smolensk; Tallinn; Tula Province; Ukraine; Virgin Territory; Volgograd; White Russia; Yablono District; Zelenodolsk)

The boss is the community. N. Stepanova. Klub 12 no. 7:11-12 Ji '62.

Burn. "Lamp." I. Chekhov. Klub 12 no. 1:6-8 Ja '63.

The chairman of the collective farm went to the community center. A. Reznikov. Kul't.-pros. rab. 23 no. 9:13-15 S '62.

The community center is a school of the beautiful. Lev Kassil'. Kul't.-pros. rab. 23 no. 9:20-23 S '62.

Community centers and "red corners." Klub 11 no. 4:1 Ap '62.

Concerning the news of the day. A. Solomonik. M. Iakerson. Kul't.-pros. rab. 23 no. 9:55-59 S '62.

The conversation goes on. Kul't.-pros. rab. 23 no. 9:33-34 S '62.

Educate the man of the future today. Klub 11 no. 6:1-3 Je '62.

An evening of questions and answers. A. Liuter. Kul't.-pros. rab. 23 no. 4:42-44 Ap '62.

For a high title. R. Korot'kova. Klub 11 no. 4:19 Ap '62.

From Spitzbergen to Nakhodka. O. Mal'tsov, I. Ol'gin. Klub 12 no. 1:9-10 Ja '63.

Get acquainted, comrades! A. Adrianova. Kul't.-pros. rab. 23 no. 10:12-14 O '62.

Give every student a community occupation. V. Petrov, R. Trikoz. Kul't.-pros. rab. 23 no. 8:20-21 Ag '62.

Give initiative the green light! T. Morozova. Klub 12 no. 7:7 Ji '62.

Good cause. N. Nekrasov. Klub 12 no. 7:10 Ji '62.

Half-turned. E. Nagirnak. Kul't.-pros. rab. 23 no. 6:45-48 Je '62.

Have a children's section in every community center! N. Petrashev. Klub 11 no. 8:17-18 Je '62.

Headquarters for the inspection of "red corners." A. Balabai. Klub 12 no. 8:10-19 Ag '62.

Her favorite flowers. V. Andrianov. Klub 12 no. 1:10-11 Ja '63.

Letters to the editor. Kul't.-pros. rab. 23 no. 4:33-41 Ap '62.

Letters to the editor. Kul't.-pros. rab. 23 no. 6:39-45 Je '62.

Letters to the editor. Kul't.-pros. rab. 23 no. 8:28-31 Ag '62.

Letters to the editor. Kul't.-pros. rab. 23 no. 9:30-31 S '62.

Masters of a hospitable house. Kul't.-pros. rab. 23 no. 10:17-19 O '62.

News of community centers. Klub 11 no. 4:33-36 Ap '62.

News of community centers. Klub 11 no. 5:33-36 My '62.

News of community centers. Klub 11 no. 6:33-36 Je '62.

News of community centers. Klub 12 no. 1:32-36 Ja '63.

News of community centers. Klub 12 no. 7:33-36 Ji '62.

News of community centers. Klub 12 no. 8:33-36 Ag '62.

Off the highway. IA, Brfanskii. Kul't.-pros. rab. 23 no. 4:30-32 Ap '62.

On a key sector. IU, Bakulich. Klub 11 no. 6:7 Je '62.

Our militant helpers. A. Kostakov. Kul't.-pros. rab. 23 no. 10:2-5 O '62.

Projection of films in community centers (continuation). O. Pynch. Sots. kul't. no. 2:18-19 F '63.

The public committee plans the repertoire. M. Aleksandrov. Kul't. pros. rab. 23 no. 9:28-29 S '62.

A school educates taste. L. Klechkova. Kul't.-pros. rab. 23 no. 10:15-16 O '62.

Schoolchildren's day off. IU, Solov'eva. Klub 12 no. 1:24 Ja '63.

Serve the people by art. IU, Sukhov. Kul't.-pros. rab. 23 no. 9:7-9 S '62.

Shoulder to shoulder with the grain growers. Kul't.-pros. rab. 23 no. 6:2-4 Je '62.

So that conscience gives no rest. M. Timashpol'skil. Klub 12 no. 1:4-5 Ja '63.

Spring of a great advance. Kul't.-pros. rab. 23 no. 4:2-4 Ap '62.

Sprouts of the new gather strength. Klub 12 no. 7:1-2 Ji '62.

Striding into the new year. Klub 12 no. 8:1 Ag '62.

Summer in the community-center park. G. Semar. Klub 11 no. 4:12-15 Ap '62.

Take the ideas of the party to the masses! Klub 11 no. 5:1 My '62.

They will be their own accordionists, chorus masters, and photographers. N. Viazankin. Kul't.-pros. rab. 23 no. 8:22-23 Ag '62.

Very necessary profession. M. D'achenko, V. Skliarov. Kul't.-pros. rab. 23 no. 9:32 S '62.

Virgin soil of community centers. K. Shishkov. Klub 12 no. 7:3-6 Ji '62.

We have to work but do we have to study? N. Raag. Kul't.-pros. rab. 23 no. 12:31-32 D '62.

We shall work the communist way! Klub 11 no. 5:16-17 My '62.

Work, life, and friendship. V. Garshina. Kul't.-pros. rab. 23 no. 8:17-18 Ag '62.

COMMUNITY LIFE

Neighbors. E. Serebriov. Sov. profsoyuzy 19 no. 3:20-21 F '63.

Public participation everywhere. V. Semenov, A. Novichadov. Zhil.-kom. khoz. 12 no. 8:11-12 S '62.

COMMUNITY ORGANIZATION see subdivision under Myshchil

COMMUTATION (ELECTRICITY)

Electronic commutator having one inlet and two outlets and with passive elements. V. I. Turchenkov. Avtom. i prib. no. 3:89 Ji-S '62.

Thematic display "Low-voltage commutation apparatus units." V. I. Smorgonskii. Vest. elektroprom. 34 no. 2:77 F '63.

COMPANION CROPS

Kuz'michev, M. G. [Companion crops for cucumbers] Uplonnye posovy ogurtsov. [Moskva] Mosk. rabochii, 1962. 27 p. (Ikh opyt dostupen vsem) (DNAL)

COMPARATIVE ANATOMY see Anatomy, Comparative

COMPARATIVE GRAMMAR see Grammar, Comparative and general

COMPARATIVE LITERATURE see Literature, Comparative

COMPENSATION see Pensions

COMPETITION, INTERNATIONAL

Cheprakov, V. A. [Peace, work, communism] Mir, sozhdanie, kommunizm. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Mirozdunarodnata, no. 4)

Entering the year 1963... V. Granov. Polit. samoochr. 7 no. 1:46-50 Ja '63.

Shamberg, V. M. [Bourgeois concepts of the economic cooperation of the two systems] O burzhuaiznykh konceptakh ekonomicheskogo sovrenovaniia dnuh sistem; kriticheskil ocherk. Moskva, Sotssekgiz, 1962. 180 p.

Socialism is winning the economic competition between the two systems. A. Alekseev, V. Kuvarin. Komm. Vooruzh. Sil 3 no. 2:8-15 Ja '63.

COMPETITIVE ANTAGONISTS (METABOLISM) see Antimetabolites

COMPLEMENT FIXATION

Complement fixation reaction in the diagnosis of paratuberculosis. M. P. Novikova. Veterinariia 37 no. 11:40-52 N '60.

Complement fixation reaction using tissue (animal) antigens for the diagnosis of Botkin's disease. Trudy Kish. gos. med. inst. 11:46-70 '60.

Results of the complement fixation test with different blood serum dilutions from cows infected with brucellosis. K. D. Darvishov. Trudy Uz. nauch. -issl. inst. vet. 14:61-63 '61.

Specific properties of cerebral diagnostic precipitated in methyl alcohol in tick-borne encephalitis [with summary in English]. M. K. Tushniakova and others. Trudy TomNIIVS 11:66-71 '60.

COMPLEMENTS (IMMUNITY)

Change in complement titer during its storage [with summary in English]. N. O. Sukhova. Trudy TomNIIVS 11:168-167 '60.

COMPLEX COMPOUNDS

- Complex compounds of metals with hydroxy acids. I. V. Piatnitskii. *Usp. khim.* 32 no. 1:93-119 Ja '63.
- Effect of the composition of a complex ion on the value of the coefficient of crystallization. V. I. Grebenshchikova, V. N. Bobrova. *Radiokhimiya* 5 no. 1:3-8 '63.
- Kinetic method of studying the reactions of complex formation by displacement of equilibrium. K. B. Iatsimirskii, I. U. A. Zhukov. *Zhur. neorg. khim.* 7 no. 12:2807-2809 D '62.
- Structural aspect of transesterification. G. B. Boklii, S. S. Batsanov. *Zhur. strukt. khim.* 4 no. 1:80-84 Ja-F '63.

COMPOST

- Manure and soil composts. P. I. Kralin. *Shkola i proizv.* 6 no. 9:67-73 S '62.
- Methods for the preparation and efficient application of organic-mineral composts [with summary in English]. K. I. Chekalov. *Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:7-31 '60.
- Using potassium chloride in preparing organic-mineral composts [with summary in English]. K. I. Chekalov, V. P. Illiuvieva. *Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:40-50 '60.

COMPOST—MICROBIOLOGY

- Development of microflora in peat-manure-phosphorite composts using various forms of potassium fertilizers [with summary in English]. B. V. Chentsov. *Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:32-39 '60.

COMPRESSED AIR

- Grebnov, N. A. [Automatic stations for pumping waste water by means of compressed air] *Avtomaticheskoe stantsii perekachki stochnykh vod szhatym vozdukhom.* Leningrad, 1961. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 26)

COMPRESSIBILITY

- Measuring the dynamic compressibility of sand at high pressures. V. A. Lagunov, V. A. Stepanov. *PMTF* no. 1:88-96 Ja-F '63.

COMPRESSORS

- Purification of coke-oven gas and its conveying under pressure to distant points. V. S. Stepanenko, A. I. Trofimov. *Koks i khim.* no. 2:33-35 '63.

COMPTON EFFECT

- On the theory of the double Compton effect of an electron. N. F. Nelipa. *Dokl. AN SSSR* 148 no. 2:311-313 Ja '63.

COMPULSORY MILITARY SERVICE see Military service, Compulsory

COMPULSORY SCHOOL ATTENDANCE see Educational law and legislation

CONAKRY, GUINEA—ARCHITECTURE

- In Conakry, the capital of Guinea. P. Zinov'ev. *Sov. arkh.* no. 14:147-152 '62.

CONCENTRATION CAMPS

- Suterr, M. [Soviet postwar concentration camps] *Sovetskoe poslevoynnoye konslageri.* Munich, In-t po izucheniiu SSSR, 1960. 118 p. (Iu)

CONCEPTS

- Special features of concepts (in Georgian with summary in Russian). K. D. Sanaja. *Trudy Inst. filoz. AN Gruz. SSR* 11:117-129 '62.

CONCRETE

- "Concrete and concrete work" by N. A. Zhitkevich. Bet. i zhel.-bet. 8 no. 12:571-572 D '62.
- Concrete with added high-elasticity polymers. I. U. A. Savvina, V. E. Letriki. *Plast. massy* no. 2:42-46 '63.
- "Inorganic binding materials and additives for concrete and mortars." *Btul. stroit. tekhn.* 20 no. 2:3-4 F '63.
- Kovtun, I. P. [Activated mortars, concretes, and products made of blast-furnace slags] *Aktivizirovannyye rastvory, betony i izdelia iz domennykh shlakov.* Pod red. M. I. A. Latasha. Kiev, Gosstroizdat, USSR, 1962. 134 p.

CONCRETE—TESTING

- A basis for the conditions affecting concrete strength. G. A. Geniev, V. N. Kisiuk. *Bet. i zhel.-bet.* 8 no. 12:553-557 D '62.
- Calculation of creep deformation reversibility in concrete in the theory of ageing [with summary in English, p. 70]. IE. A. Iatsenko. *Vysny ABIA URSR* no. 3:16-23 '62.
- Deformation and strength properties of concretes made with binding materials based on fuel granulated slags. A. V. Volzhenskii, I. A. Il'enko, B. N. Vinogradov. *Bet. i zhel.-bet.* 8 no. 12:549-553 D '62.
- Determining the capillary pressure of water in concrete [with summary in English]. V. N. Zhilenkov. *Inzh.-fiz. zhur.* 5 no. 12:98-99 D '62.
- Method of increasing the waterproofness of concrete. I. U. I. Pryshchenko, A. A. Kudrjavtsev. *Gidr. stroit.* 32 no. 9:23-25 S '62.

- Miriev, I. M. [Technology and properties of high-strength fine concretes] *Tekhnologiya i svoystva vysokoprochnykh melkozernistykh betonov.* Baku, Azerneshr, 1961. 116 p.

- Smirnov, A. P., and B. N. Khodulin. [Some problems in the technology and properties of high-strength sand concretes] *Nekotorye voprosy tekhnologii i svoystv vysokoprochnykh peschanykh betonov.* Leningrad, 1962. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 22)

CONCRETE, LIGHTWEIGHT see Lightweight concrete

CONCRETE, PRECAST see Precast concrete

CONCRETE, PRESTRESSED see Prestressed concrete

CONCRETE BLOCKS

- (see also subdivision under Kharkov)
- Manufacture of reinforced concrete blocks for a large conduit. N. I. Astreinov, S. G. Boiko. *Bet. i zhel.-bet.* 8 no. 12:567-568 D '62.

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE CONSTRUCTION

- Comparative tests of internal vibrators. R. A. Arutunov. *Energ. stroit.* no. 30:55-70 '62.
- Composite floors in the major repair of apartment houses. A. Heisev. *Zhil.-kom. khoz.* 12 no. 10:16-16d O '62.

- "Concrete and concrete work" by N. A. Zhitkevich. *Bet. i zhel.-bet.* 8 no. 12:571-572 D '62.

- In the Technical Administration. *Gidr. stroit.* 32 no. 9:41-42 S '62.

- Study of an artificial cooling process of solid concrete under natural conditions in the construction of the dams of the Bratsk Hydroelectric Power Station. Z. I. Dav. *Energ. stroit.* no. 30:54-60 '62.
- Tow concrete construction. V. Vorob'ev. *Sel'. stroit.* 15 no. 3:5-6 Mr '60.

CONCRETE CONSTRUCTION—BIBLIOGRAPHY see Bibliography—Concrete construction

CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

- Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. [Temporary instructions for the use of concretes which harden below freezing with an addition of potash] *Vremennyye ukazaniya po primeneniiu betonov, tverdeushchikh na moroze s dobavko potasha.* Moskva, Gosstroizdat, 1962. 14 p.
- Designing the concentration of chloride solutions in winter concreting. E. Kh. Bulgakov. *Bet. i zhel.-bet.* 8 no. 12:560-563 D '62.

CONCRETE CONSTRUCTION—EQUIPMENT AND SUPPLIES

- Rollers for compacting foundations of floors. I. Machevet. *Sel'. stroit.* 15 no. 3:27-28 Mr '60.

CONCRETE CONSTRUCTION, PRECAST see Precast concrete construction

CONCRETE MIXERS

- Machinery for the manufacture of soil concrete. A. Bir-kengof. *Sel'. stroit.* 15 no. 3:22-23 Mr '60.

CONCRETE PAVEMENTS see Pavements, Concrete

CONCRETE PIPE see Pipe, Concrete

CONCRETE PLANTS

- (see also subdivision under Kemerovo; Lipetsk; Novokuznetsk; Penza)
- Moscow. Inzhenerno-ekonomicheskii institut. [Enterprises for the manufacture of reinforced-concrete elements and products] *Predpriyatia po izgotovleniiu zhelezobetonnykh konstruktiv i detalей; uchebnoe posobie po kursu "Organizatsiya i planirovaniye stroitel'nogo proizvodstva."* Moskva, 1962. 91 p.
- Unit-flow manufacture of floor and ceiling slabs. S. Manaenkov. *Stroitel'* 8 no. 1:16-19, 30 Ja '62.
- Use of precast reinforced concrete elements in the construction of cement plants. N. G. Nikolenko. *Sbor. trud. Novorossiyskoprotsessanta* no. 1:70-78 '61.

CONCRETE PLANTS—EQUIPMENT AND SUPPLIES

- "Radio and electronics in the production of precast reinforced concrete" by I. S. Vainshtok. *Na stroit. Ros.* 3 no. 2:39-40 F '62.

CONCRETE PLANTS—SAFETY MEASURES see subdivision under Kishinev

CONCRETE PRODUCTS

- Wire-reinforced crossies for streetcars. V. Khitsenko. *Zhil.-kom. khoz.* 12 no. 8:17-19 Ag '62.

CONCRETE PRODUCTS—TESTING

- Study of the strength and crack resistance of keramzit concrete prestressed bent elements. V. V. Mikhailov. *Bet. i zhel.-bet.* 8 no. 12:563-566 D '62.

CONCRETE REINFORCEMENT

- Electrothermal tightening of rod reinforcement. A. A. Zinchenko, A. N. Kuzurman, S. P. Piliusnin. *Transp. stroit.* 12 no. 9:26-29 S '62.

- Equipment for strengthening reinforcement. N. Rogov. *Stroitel'* 8 no. 1:29-30, 4 of cover. Ja '62.

- Evaluating the relaxation resistance of wire for prestressed reinforced concrete constructions. V. I. Kokhno. *Stal'* 23 no. 2:174-175 F '63.

- Kovtun, I. P. [Activated mortars, concretes, and products made of blast-furnace slags] *Aktivizirovannyye rastvory, betony i izdelia iz domennykh shlakov.* Pod red. M. I. A. Latasha. Kiev, Gosstroizdat, USSR, 1962. 134 p.

CONCRETE REINFORCEMENT—CORROSION

- Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stva. [Anticorrosive protection by metal spraying of steel insertion pieces and weld joints in large-panel buildings] *Antikorroziinaya zashchita stal'nykh zakladnykh detalей i svarnykh soedinenii v krupnopanel'nykh zdaniyakh metallizatsiei; opyt kombinata zhelezno-dorozhnykh konstruktii* No. 2 *Glavnyy otdel stroitel'nate-riatov.* Moskva, Gosstroizdat, 1962. 20 p. [MICROFILM]

CONCRETE REINFORCEMENT—TESTING

- Automatic unit for determining the relaxation of stress in a wire. A. V. Kosolapov. *Bet. i zhel.-bet.* 8 no. 12:566-567 D '62.

CONCRETE REINFORCEMENT—WELDING

- Pneumatic drive for a joint-welding machine. I. Khalil. *Stroitel'* 8 no. 2:6, insert:4 p. F '62.
- Submerged arc welding of precast reinforced concrete elements. V. Babich. *Stroitel' arkh.* 10 no. 2:18-19 F '62.

CONCRETE ROOFING see Roofing, Concrete

CONCRETE SLABS

- Single-layer slabs made of nonautoclaved air-entrained fly-ash concrete. A. A. Barinov and others. *Stroitel. mal.* 9 no. 2:22-23 F '63.
- Unit-flow manufacture of floor and ceiling slabs. S. Manaenkov. *Stroitel'* 8 no. 1:16-19, 30 Ja '62.

CONCRETE WALLS

- Keramzit concrete walls for coal preparation plants. T. Tsal, V. Kharitonov. *Na stroit. Ros.* 3 no. 12:12-13 D '62.

CONDENSATE OIL WELLS

- (see also subdivision under Krasnodar Territory; Shebelinka)
- Determining bottom pressure in condensate wells. A. F. Kasimov, R. A. Ramazanova. *Azerb. neft. khoz.* 41 no. 7:22-25 Ji '62.

- Studying the status of gas condensate mixtures on well bottoms. R. R. Vastrov. *Azerb. neft. khoz.* 41 no. 7:31-33 Ji '62.

CONDENSATION PRODUCTS (CHEMISTRY)

- Acid condensation of lignin. D. V. Tishchenko. [Trudy] *NTO bum. i der. prom.* no. 8:40-61 '60.

CONDENSERS (ELECTRICITY)

- Electrostatic field of a segmentary spherical capacitor. I. M. Minkov. *Zhur. tekhn. fiz.* 32 no. 12:1409-1412 D '62.
- Pollakov, B. A. [Condenser systems for power factor improvement] *Kondensatornyye ustanoiki dlia povysheniya koeffitsienta moshchnosti.* Izd. 2, perer. Moskva, Gosenergoizdat, 1962. 231 p.

CONDITIONED RESPONSE

- Adaptive motor reflex in the formation of a conditioned food reflex to electrocutaneous stimulation in dogs. Lian Chzhi-An' [Lien Chih-an]. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:189-178 '62.
- Analyzing the information processing of the human brain [with summary in English]. A. V. Napalkov, M. I. Bob-neva. *Vop. psikh.* no. 6:40-54 N-D '62.
- Changes in the EEG in motor dominance produced by a rhythmically subsiding stimulus. L. S. Grechushnikova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:33-38 '62.
- Characteristics of the formation and inhibition of localized motor food conditioned reflexes. O. N. Vasil'eva, E. I. Popova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:116-119 '62.
- Characteristics of trace conditioned reflexes to a motor stimulus. I. I. Rakova, I. M. Sheiman. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:249-256 '62.
- Comparative role of the "horizontal" and the "vertical" connections within the cerebral hemispheres. G. M. Glumov. *Fiziol. zhur.* 48 no. 12:1437-1443 D '62.
- Comparative study of age-related aspects of conditioned motor reflexes in man under various unconditioned reinforcements. I. A. Molotkova. *Trudy LIETIN* no. 4:55-62 '60.
- Conditioned inhibition and disinhibition of chain poly-effector motor reflexes in monkeys. G. I. Shirkova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:231-240 '62.
- Conditioned reaction to the duration of stimulation. M. A. Alekseev, A. V. Naidei', E. S. Prokhorova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:3-14 '62.

CONDITIONED RESPONSE (Continued)

- Conditioned reflex pupillary reactions to the administration of adrenomimetic and antihistaminic substances, V. P. Baskanova. *Vrach. delo* no. 1:143-145 Ja '63.
- Conditioned reflex tracing of a moving stimulus in animals. I. M. Sheiman. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:241-248 '62.
- Conditioned reflexes of preschool children to "relative" and "absolute" stimuli presented one at a time. I. U. A. Zakher. *Dokl. APN* 6 no. 5:113-116 '62.
- Differentiation of conditioned stimuli sensed by one analyzer in a heterogenic reinforcement. L. V. Kalluzhnyi. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:271-278 '62.
- "Direct" and "reverse" conditioned connections between the structures accepting combined stimulations. Lian Chzhi-An' [Lien Chih-an]. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:162-168 '62.
- Effect of electric stimulation of the hippocampus on conditioned reflexes following the administration of aminazine. N. A. Tushmalova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:265-270 '62.
- Effect of electrical stimulation of the anterior section of the hypothalamus on the food-obtaining conditioned reflexes in a rabbit. T. G. Beteleva. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:257-264 '62.
- Effect of hypothermia on conditioned reflex activity. G. V. Khvedelidze. *Trudy Inst. eksp. i klin. khim. i gemat. AN Gruz. SSR* 10:207-218 '62.
- Effect of large doses of aminazine on the higher nervous activity of dogs. L. N. Khurleva. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:210-215 '62.
- Effect of piridrol on the higher nervous activity of dogs. Report No. 2: Results of the use of piridrol during a neurotic state. A. Ia. Mekhedova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:223-230 '62.
- Effect of the formation of defensive conditioned reflexes on the reduced exposure of small fishes to predatory fishes. I. I. Girsu. *Vop. ikht.* 2 no. 4:747-749 '62.
- "Extinction with reinforcement" in the study of localized motor food conditioned reflexes. E. I. Popova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:99-106 '62.
- Functional characteristics of different stages of the course of a motor conditioned reaction in patients suffering from hemipareses of vascular origin. N. V. Matdel'. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:15-21 '62.
- Interrelation of the excitation foci in the arc of the conditioned motor defense reflex. R. L. Vinnik, N. G. Ivanova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:128-133 '62.
- Localization of protective inhibition in elements of the conditioned reflex arc. P. K. Daurava. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:148-154 '62.
- Relation between the influence of an immunoprotein stimulant on the higher nervous activity in animals and their original functional state determined by previous infectious disease. L. I. Kriachko. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:101-104 '62.
- Relation between the magnitude of conditioned reflexes and the use of conditioned stimuli in a stereotype with homogeneous and heterogeneous reinforcement. L. A. Preobrazhenskaya. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:215-222 '62.
- Relation between the variations of the cortical bioelectric mosaic and its original state in the formation of a conditioned reflex. N. A. Gavrilova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:22-32 '62.
- Role of strength correlations between the nervous centers accepting combined stimulations in the formation of a conditioned connection. Lian Chzhi-An' [Lien Chih-an]. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:155-161 '62.
- Role of the cortical tip of the motor analyzer in the accomplishment of localized food motor reflexes of the tonic form in dogs. M. E. Ioffe. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:106-115 '62.
- Role of the cortical tips of the motor and skin analyzers in the accomplishment of a complex conditioned motor defense reflex. M. I. Samoilov. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:120-127 '62.
- Study of food conditioned reflexes in dogs on the background of the inhibited state of an unconditioned food reaction. U. G. Gassanov. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:142-147 '62.
- Study of the excitation focus of the "single tonic contraction" type developed in the cerebral cortex. R. A. Pavlygina. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:39-46 '62.
- ## CONDUCTOMETRIC ANALYSIS
- Amperometric titration of palladium by thionalide. I. U. Usatenko, T. V. Zamorskaya. *Zav. lab.* 29 no. 3:291-293 '63.
- Amperometric titration of uranium with a graphite electrode. Z. B. Rozhdestvenskaya, O. A. Songina, V. G. Barikov. *Zav. lab.* 29 no. 1:30-33 '63.
- ## CONE
- Functions, holomorphic in tubular cones. V. S. Vladimirov. *Izv. AN SSSR, Ser. mat.* 27 no. 1:75-100 Ja-F '63.

CONFECTIONERY

- (see also subdivision under Bryansk; Kirov; Leningrad; Russia, Northern)
- "Confectionery industry in the U. S. S. R." by F. B. Grigor'ev, D. I. Frishman. Reviewed by A. K. Karpenko, P. K. Popov. *Khleb. i kond. prom.* 7 no. 1:43 Ja '63.
- Mechanized production line for the manufacture of molded dairy candy. P. F. Kolesnikov. *Khleb. i kond. prom.* 7 no. 1:10-13 Ja '63.
- New production lines in the Blagovoshchensk confectionery factory. K. G. Geinarov. *Khleb. i kond. prom.* 7 no. 1:33-34 Ja '63.

CONFECTIONERY—BIBLIOGRAPHY see Bibliography—Confectionery

CONFECTIONERY—EQUIPMENT AND SUPPLIES

- Proportioning machine for grated nuts. A. E. Shklovskaya. *Khleb. i kond. prom.* 7 no. 1:33 Ja '63.

CONFLICT OF LAWS—HUSBAND AND WIFE

- "The problems of marriage and divorce in private international law" by N. V. Orlova. Reviewed by Antimov, A. Volchikov. *Sov. iust.* no. 2:25-26 Ja '63.

CONFORMAL MAPPING

- Functions in categories of Banach spaces. A. S. Shvarts. *Dokl. AN SSSR* 149 no. 1:44-47 Mr '63.

CONGO—HISTORY

- "The imperialist division of the Congo Basin, 1876-1894" by A. Z. Zusanovich. Reviewed by I. U. Vinokurov. *Nar. Az. i Afr.* no. 1:231-232 '63.
- "Imperialist division of the Congo Basin, 1876-1894" by A. Z. Zusanovich. Reviewed by O. Melikjan. *Az. i Afr. seg.* no. 3:61-62 Mr '63.

CONGO—HUNTING, PRIMITIVE

- Colonizers amuse themselves. D. Bystroletov. *Az. i Afr. seg.* no. 3:38-41 Mr '63.

CONGO (LEOPOLDVILLE)—INVESTMENTS, FOREIGN

- The center of imperialistic competition in the Congo. N. Iur'ev. *Mir, ekon. i mezhdunar. otn.* no. 1:24-35 '63.

CONGRUENCES AND RESIDUES

- T-pairs of congruences with a constant distance and a constant angle between the corresponding rays. O. S. Redozubova. *Dokl. AN SSSR* 147 no. 5:1035-1037 D '62.

CONIFERAE

- (see also subdivision under Central Siberian Plateau)
- Anatomic structure of sprouts of coniferous arboreal plants. G. P. Belostokov. *Dokl. AN SSSR* 148 no. 3:712-715 Ja '63.

CONJUGATION (CHEMISTRY)

- Catalytic properties of organic polymers with a system of conjugated bonds. Formation of hydroperoxides by the oxidation of alkyl aromatic hydrocarbons and cyclohexene. S. Z. Roginskii and others. *Dokl. AN SSSR* 148 no. 1:118-121 Ja '63.
- Certain problems in the chemistry of polymers with a system of conjugation. A. A. Borila. *Khim. prom.* no. 12:881-886 D '62.
- Conjugated systems. Part 166: Course of the addition of hydrogen halides to diene hydrocarbons - vinylallylacetylene and its homologs. A. A. Petrov, I. I. Porfir'eva. *Zhur. ob. khim.* 33 no. 2:419-427 F '63.
- Conjugation phenomenon in the systems with a tetrahedric atom. Part 2: Vinylphosphonic acids. M. I. Kabaev, T. A. Maslinskaya, T. A. Melent'eva. *Zhur. ob. khim.* 33 no. 2:382-388 F '63.
- Mutual electron acceptor linkage of conjugated aromatic systems. I. I. Grandberg. *Zhur. ob. khim.* 33 no. 2:504-508 F '63.

CONJUNCTIVITIS, GRANULAR see subdivision under Semipalatinsk Province

CONNECTIVE TISSUES

- Changes in vulvular infiltrate cells cultivated in a colloid bag within the organism. P. F. Shamrai. *Sbor. nauch. trud. Vin. der. med. inst.* 18 no. 2:40-45 '63.
- Development of connective tissue in a wound. P. F. Shamrai. *Sbor. nauch. trud. Vin. der. med. inst.* 18 no. 1:137-155 '63.

CONSERVATION OF NATURAL RESOURCES

- (see also subdivision under Kazakhstan)
- Evening devoted to the topic "Let's love and conserve nature." A. V. Bachar'nikova. *Biol. v shkole* no. 6:64-66 N-D '62.
- "More valuable than gold: nature - our wealth." Reviewed by A. I. Perel'man. *Priroda* 62 no. 2:120-121 '63.
- Student work in the conservation of nature. A. E. Romanenko. *Biol. v shkole* no. 5:80-82 S-O '62.

CONSTRUCTION EQUIPMENT

- (see also subdivision under Poland)
- Make better use of machinery and equipment! *Transp. stroit.* 12 no. 7:1-3 Ji '62.

CONSTRUCTION EQUIPMENT—ABSTRACTS

- [Manufacture of mining machinery, construction equipment, and road machinery] *Ref. zhur.*: Gor., stroit. i dor. mashinostr. nos. 1-3 Ja-Mr '63.

CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR

- Asheko, S. M., and P. L. Klaus. [Repair of road and construction machinery] *Remont putevykh i stroitel'nykh mashin; uchebnoe posobie po distsipline "Tekhnologiya mashinostroeniya i remont mashin" dlia studentov V kursa spetsial'nosti "Stroitel'nye i dorozhnye mashiny i oborudovanie."* Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transp., 1962. 108 p.

- Asatkov, A. I. [Handbook on accident prevention for the mechanic repairing construction equipment] *Pamiatka po tekhnike bezopasnosti dlia sledsariya po remontu stroitel'nykh mashin i mekhanizmov*, izd. 2., dop. Moskva, Gosstroizdat, 1962. 31 p. (Tekhnika bezopasnosti v stroitel'stve)

- Repairing machinery by the unit or subassembly method. V. G. Taits. *Transp. stroit.* 12 no. 7:33-36 Ji '62.

CONSTRUCTION INDUSTRY

- (see also subdivision under Begovat; Bryansk; Chelyabinsk; Czechoslovakia; Kurgan; Kuybyshev Province; Leningrad; Leningrad Province; Moldavia; Moscow; Moscow Province; Poltava Province; Rostov-on-Don; Rudny; Siberia, Western; Sverdlovsk; Tallinn; Ukraine; Ulan Bator; Volgograd; Volyn' Province)
- Brief news. *Stroitel'* 8 no. 1:31 Ja '62.
- Building communism. I. Naryshkov. *Stroitel'* 8 no. 2:26-29 F '62.
- Consultation. *Sil', bud.* 13 no. 2:21-22 F '63.
- Constructor's holiday. *Stroil' arkhil. Len.* 24 no. 6:1 Ag '62.
- Construction of industrial enterprises by specialized administrations. L. Ankudinov, P. Pradaev. *Na stroit. Ros.* 3 no. 2:2-4 F '62.
- Direct every effort to fulfilling the annual construction plan! *Sil', bud.* 13 no. 2:1-2 F '63.
- For new achievements. *Stroitel'* 8 no. 1:1-2 Ja '62.
- The fourth year of the seven-year plan. R. Krylov. *Stroitel'* 8 no. 2:1-2 F '62.
- Galkin, I. G. [Planning operations completion in housing construction] *Planirovanie zadela v zhilishchnom stroitel'stve*. Moskva, Gos. izd-vo lit-ry po stroit., arkhil. i stroit. materialam, 1961. 45 p. (Akademiya stroitel'stva i arkhitektury SSSR. Institut ekonomiki stroitel'stva, Nauchnye soobshcheniya, no. 14)
- How we are trying to improve the organization of work. M. Nazarov. *Sots. trud* 7 no. 6:44-46 Je '62.
- In the Board of the Ministry. *Transp. stroit.* 12 no. 7:63-64 Ji '62.
- In the Board of the Ministry. *Transp. stroit.* 12 no. 9:61-62 S '62.
- In the Ministry of Assembly and Specialized Construction Operations of the R. S. F. S. R. *Mont. i spets. rab. v stroit.* 25 no. 3:30-31 Mr '63.
- In the State Committee on Construction of the R. S. F. S. R. *Na stroit. Ros.* 3 no. 2:33 F '62.
- In the State Committee on Construction of the R. S. F. S. R. *Na stroit. Ros.* 3 no. 3:30 Mr '62.
- In the State Committee on Construction of the R. S. F. S. R. *Na stroit. Ros.* 3 no. 12:33 D '62.
- In the State Committee on Construction of the U. S. S. R. *Buil. stroit. tekhn.* 20 no. 2:32 F '63.
- In the Technical Council. *Transp. stroit.* 12 no. 9:63-64 S '62.
- In the Technical Council of the Ministry of Assembly and Specialized Construction Operations of the R. S. F. S. R. *Mont. i spets. rab. v stroit.* 25 no. 3:31-32 Mr '63.
- Information. *Sil', stroit.* 15 no. 3:31 Mr '60.
- Kotlov, I. G. [Advanced method for industrializing construction in agriculture; mobile mechanized units] *Peredovoi metod industrializatsii sel'skokhoziaistvennogo stroitel'stva; perediviznyye mekhanizirovannyye kolony. Stenogramma lektsii*. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 36 p.
- Leningrad. Inzhenerno-stroitel'nyi institut. Nauchnaya konferentsiya. [Construction industry; reports of the 20th Scientific Conference] *Stroitel'noe proizvodstvo; doklady XX nauchnoi konferentsii*. Leningrad, 1962. 39 p.
- Moscow. Inzhenerno-ekonomicheskii institut. [Standardization of the consumption of materials and power resources in construction] *Normirovanie raskhoda materialov i stroitel'stva; uchebnoe posobie*. Moskva, 1962. 130 p.
- Never reconcile yourself to this. *Zhil.-kom. khoz.* 12 no. 8:5 Ag '62.
- New developments in construction engineering. *Stroil' arkhil. Len.* 24 no. 8:35 Ag '62.
- New stage in the organization of capital construction. P. Garbushin. *Vop. ekon.* no. 1:3-9 Ja '63.
- New system of rewarding construction workers. G. P. Gribin. *Shakht. stroit.* 7 no. 1:20-30 Ja '63.
- Poradnitsa, A. I., and others. [Planning and accounting in housing construction combines] *Planirovanie i uchety v domostroitel'nykh kombinatakh; na opyte Leningradskikh DSK*. Leningrad, Gos. izd-vo lit-ry po stroit., arkhil. i stroit. materialam, 1962. 102 p.

CONSTRUCTION INDUSTRY (Continued)

- Prepare in good time for the work of 1963. I. D. Sosnov. Transp. stroi. 12 no. 9:1-3 S '62.
- Put into practice the decisions of the November Plenum. Vod. i san. tekhn. no. 1:1-2 Ja '63.
- Put into practice the decisions of the November Plenum of the Central Committee of the CPSU. Stroitel' 9 no. 2:1-2 F '63.
- Put under public control the distribution of technical records to construction projects. D. F. Kondrat'ev, E. F. Podolian. Transp. stroi. 12 no. 9:50 S '62.
- Readers continue the discussion. Agitator no. 5:38-40 Mr '63.
- Toward new achievements in the new year. V. Zhikharenko. Stroitel' 8 no. 1:25-27 Ja '62.
- We answer readers' questions. Transp. stroi. 12 no. 7: 61 Ji '62.
- Worker's word of honor. A. Levina. Rabotnitsa 40 no. 7:10-11 Ji '62.
- CONSTRUCTION INDUSTRY—ACCOUNTING** see subdivision under Moscow; Novokuznetsk; Tashkent Province; Ukraine
- CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION** see subdivision under Cherkassy Province; Leningrad
- CONSTRUCTION INDUSTRY—COSTS**
- Analysis of construction costs. G. Sonin. Den. i kred. 21 no. 2:77-83 F '63.
- Expenses for automotive transportation were cut by two thirds. M. A. Kazanovich. Transp. stroi. 12 no. 9: 40-41 S '62.
- Potentials for lowering the cost of construction. E. Solov'ev. Sel' stroi. 15 no. 3:24-25 Mr '60.
- CONSTRUCTION INDUSTRY—DICTIONARIES**
- "Economics encyclopedia: industry and construction. Vol. 1." Reviewed by T. Khachaturov. Kommunist 30 no. 5:127-128 Mr '63.
- CONSTRUCTION INDUSTRY—FINANCE** (see also subdivision under Alma-Ata; Chechen-Ingush A.S.S.R.)
- In the Construction Bank of the U.S.S.R. Fin. SSSR 37 no. 1:94-95 Ja '63.
- CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY** see subdivision under White Russia
- CONSTRUCTION INDUSTRY—MANAGEMENT** (see also subdivision under Dzhanbul; Kustanay Province; Moldavia)
- For radical improvement in the management of construction. Na stroi. Ros. 3 no. 12:1 D '62.
- CONSTRUCTION INDUSTRY—PERIODICALS**
- Assisting the authors. Mont. i spets. rab. v stroi. 25 no. 3:3 of cover Mr '63.
- From the pages of periodicals; January 1963. Mont. i spets. rab. v stroi. 25 no. 3:32 Mr '63.
- CONSTRUCTION INDUSTRY—PRODUCTION METHODS**
- Kotov, I. G. [Introducing industrial methods into agricultural construction] Organizatsiya sel'skokhoziaistvennogo stroitel'stva industrial'nymi metodami; stenogramma lektsii. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962, 34 p.
- CONSTRUCTION INDUSTRY—SAFETY MEASURES** see Building—Safety measures
- CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS** (see also subdivision under Uzbekistan)
- Machinery, instruments, technology; construction for the transportation industry. Inform. biul. VDNKH no. 2: 37-38 F '62.
- Span bridges across gulfs. B. Andreev. Sov. profsoiuzy. 19 no. 2:4-5 Ja '63.
- Special exhibitions and reviews. Inform. biul. VDNKH no. 2:41-43 F '62.
- CONSTRUCTION WORKERS** see subdivision under Belorussia; Moscow
- CONSUMPTION (ECONOMICS)**
- Consumer purchasing funds as the basis of a plan. V. Gletmanski. Sov. torg. 36 no. 10:3-5 O '62.
- Rakitski, B. V. [Public resources available for consumption] Obshchestvennye fondy potrebleniya. Moskva, Izd-vo "Znanie," 1963, 31 p. (Novoe v zhizni, nauka, tekhnika, III Seriya: Ekonomika, no. 2)
- CONTAGION AND CONTAGIOUS DISEASES** see Communicable diseases
- CONTAINER INDUSTRY** see subdivision under Odessa
- CONTAINERS** (see also subdivision under Kemerovo Province)
- Container processing stations on approach tracks. M. F. Trukhunkov. Zhelezn. dor. transp. 45 no. 2:83-88 F '63.
- Let's make good use of containers. G. Anpilgov. Sov. torg. 36 no. 10:19-21 O '62.

- New method of packing and transporting glass. Stek. i ker. 20 no. 2:46-47 F '63.
- Russia (1923— U.S.S.R.)** Komitet standartov, mer i izmeritel'nykh priborov. [Plastic containers; types, parameters, and principal dimensions; MN3206-62 - MN 32-7-62] Sosudy iz plastmass; tipy, parametry i osnovnye razmery (MN 3206-62 - MN 32-7-62). Moskva, Standartgiz, 1962, 27 p. (SSSR. Normall mashinostroyeniya)
- CONTAINERS—ABSTRACTS**
- [Container shipments and the interaction of various types of transportation] Ref. zhur.: Vzaïmodela. raz. vid. transp. i kont. perev. nos. 2-3 F-Mr '63.
- CONTAINERS—BIBLIOGRAPHY** see Bibliography—Containers
- CONTINENTAL SYSTEM OF NAPOLEON**
- How a French historian describes the foreign economic policy of England during the "Continental Blockade." V. G. Sirotkin. Vop. ist. 30 no. 2:195-196 F '63.
- CONTINUOUS CASTING** (see also subdivision under Germany, West)
- Effect of the metal feed system of molds on the quality of semicontinuous pipe casting. N. M. Iakovlev. Lit. proizv. no. 7:6-7 Ji '62.
- Expanding the continuous casting of steel. F. F. Andreev. Stal' 23 no. 2:121-126 F '63.
- Mechanism of the crystallization of rimmed steel in continuous casting. V. B. Gankin, G. N. Olska. Izv. vys. ucheb. zav.; Chern. met. 8 no. 1:34-41 '63.
- CONTINUOUS CASTING—EQUIPMENT AND SUPPLIES**
- Developing an efficient type of nozzle and stopper for the continuous casting of steel. E. I. Isaev and others. Izv. vys. ucheb. zav.; Chern. met. 8 no. 1:42-48 '63.
- Steel pouring and intermediate ladles in a continuous steel-casting plant. V. S. Rutes, A. I. Zubarev. Ogneupory 28 no. 2:78-84 '63.
- CONTRACTS**
- Antimov, B. S. [Grounds for the contractual responsibility of socialist organizations] Osnovaniya dogovornoï otvetstvennosti sotsialisticheskikh organizatsii. Moskva, Gosizdat, 1962, 174 p.
- Barash, I. A. B. [Contracts for research and design work] Dogovory na vypolnenie nauchno-issledovatel'skikh i konstruktorskikh rabot. Moskva, Gosizdat, 1962, 89 p. (Biblioteka khoziaistvennaya i rabotnika iuridicheskoi sluzhby)
- Moscow. Vsesoiuznyi iuridicheskii nauchnyi institut. [Economic contracts] Khoziaistvennye dogovory; uchebno-metodicheskoe posobie. Otv. red. V. G. Verdnikov. Moskva, 1961, 56 p.
- CONTRACTS, AGRICULTURAL**
- Vovk, I. A. [Contractual relations of collective farms with organizations and enterprises] Dogovornye otnosheniya kolhozov s organizatsiyami i predpriyatiyami. Moskva, Gosizdat, 1962, 157 p.
- CONVENTS AND NUNNERIES** see subdivision under Italy
- CONVERGENCE**
- On Weyl factors for unconditional convergence. P. L. Uf'ianov. Mat. sbor. 60 no. 1:39-62 Ja '63.
- CONVERTERS**
- Electromagnetic-type converter with a flat control valve for hydraulic power amplifiers. G. G. Molchanov. Priboirostroenie no. 1:13-15 Ja '63.
- Service conditions and wear characteristics of refractories in oxygen-blown converters. G. N. Kozin and others. Ogneupory 28 no. 2:71-78 '63.
- Ways of improving converter performance. P. P. Shcherbakov. TSvet. met. 35 no. 12:26-29 D '62.
- CONVEX SURFACES**
- Relations between the radii of two spheres, of which one is inscribed into and the other is circumscribed about a closed convex surface. V. K. Ionin. Dokl. AN SSSR 148 no. 2:268-270 Ja '63.
- CONVEYING MACHINERY** (see also subdivision under Czechoslovakia)
- Conveyor transportation of charge materials in blast furnace plants. S. D. Samoilovich. Metallurg 8 no. 2: 6-9 F '63.
- Conveyor with an automatic control drive. B. Borski, S. Zaymalov. Avt. transp. 41 no. 1:18-20 Ja '63.
- Determining optimal parameters of the elements of automation of an automatized cable-driven scraper conveyor for the removal of farm manure [in Armenian with summary in Russian]. S. E. Markarian, L. A. Mkrtchian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:15-20 '62.
- Gushchits, V. I. [Handbook on accident prevention for the conveyor operator] Pamiatka po tekhnike bezopasnosti dlia mashinista transportera. Moskva, Gosstroizdat, 1962, 13 p. (Tekhnika bezopasnosti v stroitel'stve)
- Interplant conveying equipment should have a stable base. Mekh. i avtom. proizv. 17 no. 1:59 Ja '63.

- KP-2 mobile, flexible, scraper conveyor. Shakh. stroi. 7 no. 1:4 of cover Ja '63.
- Make more effective use of conveying machinery. A. D. Babich, I. K. Bal'makova. Stroi. i arkhit. Len. 24 no. 8:16-18 Ag '62.
- Platform for conveying grinding wheels. E. Sakavichus. Mashinostroitel' no. 1:27 Ja '63.
- Principles of the theory of a track drive with clamps. V. A. Ponomarenko. Shor. DonUGI no. 23:81-118 '62.
- The TPU-7, 0 loader-conveyor. P. Cherevko. Tekh. v sel'khoz. 22 no. 12:42-43 D '62.
- Technological processes in the manufacture of conveying machinery. Mashinostroyeniye no. 6:112 N-D '62.
- Vibrating underground conveyors. G. I. A. Palant, A. I. Baryshev. Ugol. prom. no. 6:64-65 N-D '62.
- CONVULSIONS**
- Characteristics of the propagation of excitation in the motor zones of the cerebral cortex and brain stem formations in the state of adaptation to spasmodic agents. S. A. Dolina. Dokl. AN SSSR 147 no. 5:1244-1246 D '62.
- Course of convulsions caused by corazole in rats at different times after exposure to ionizing radiation. T. M. Kucherenko, N. A. Rokotova. Radiobiologiya 3 no. 1: 71-75 '63.
- COOKERY**
- Useful advice. Koop. Kazakh. 5 no. 4:62-64 Ap '62.
- COOKERY (DAIRY PRODUCTS)** see subdivision under Aginsk Steppe
- COOKERY, UKRAINIAN**
- Ukrainian cookery. Sov. Soiuz no. 3:41 '63.
- COOKING SCHOOLS**
- Training of cooks in a school. V. I. Dvishkov. Shkola i proizv. 7 no. 1:15-17 Ja '63.
- COOPERATIVE APARTMENT HOUSES** see Apartment houses, Cooperative
- COOPERATIVE EDUCATION** see Education, Cooperative
- COOPERATIVE SOCIETIES** (see also subdivision under Alma-Ata Province; Aryk-Balyk District; Ayaguz District; Chimkent Province; Dzhanibek District; Kazakhstan; Kiyaly; Kurgal'dzhino District; Predgornoye District; Uzbekistan; Virgin Territory; Znamenska, Kazakhstani)
- "Cherish the honor of the grain grower," an article by Hero of Socialist Labor N. G. Zaglada. Koop. Kazakh. 5 no. 10:11 O '62.
- Development of cooperative societies in the period of reconstruction, 1921-1925 [with summary in English]. N. N. Saburov. Vest. LGU 18 no. 2:5-18 '63.
- "Wholesale trade of consumers' cooperatives" by A. P. Polovnikov. Reviewed by I. Lakhman. Sov. torg. 36 no. 1:44-47 Ja '63.
- Workers of cooperative societies should have excellent work conditions. G. Polinkin. Koop. Kazakh. 5 no. 10:42-43 O '62.
- COOPERATIVE SOCIETIES—AUDITING AND INSPECTION** see subdivision under Kazakhstan
- COORDINATES**
- Longitude and azimuths and the corresponding geodasies. N. S. Bogolubova. Izv. vys. ucheb. zav.; geod. i aerof. no. 4:10-25 '62.
- COORDINATION COMPOUNDS**
- Coordination polymers. N. G. Matveeva. Khim. prom. no. 12:897-912 D '62.
- COPPER**
- Investigating the effect of speed on certain parameters of aluminum and copper rolling. D. I. Starchenko, V. I. Kuz'min. TSvet. met. 36 no. 2:62-67 F '63.
- Mechanism of copper fluorination at high temperatures. I. A. Luk'isnychev and others. Dokl. AN SSSR 147 no. 5:1130-1132 D '62.
- Method for determining the asymptotic dispersed phase on the basis of experimental data on the fine structure of X-ray absorption spectra. I. B. Borovskii, V. A. Batyshev, A. I. Kozlenkov. Izv. AN SSSR, Ser. fiz. 27 no. 3:378-380 Mr '63.
- COPPER—ANALYSIS**
- Copper and its forms in irrigated Fergana Valley soils. F. Kh. Gaimudinova, E. K. Kruglova. Uzb. khim. zhur. 6 no. 6:23-27 '62.
- COPPER—ELECTROMETALLURGY**
- Increasing the recovery of nickel in electrolytic copper plants. I. E. Feldman, N. A. Katerova. TSvet. met. 36 no. 2:20-24 F '63.
- COPPER—METALLOGRAPHY**
- Structural changes in copper depending on low-temperature deformation and subsequent annealing. I. A. Gindin and others. Fiz. met. i metalloyed. 14 no. 6: 864-873 D '62.

COPPER—METALLURGY see subdivision under United States

COPPER ALLOYS—CORROSION

Zilneva, E.M., and others. [Seawater corrosion of copper alloys] *Morskaya korrozia mednykh splavov*, Leningrad, Sudpromgiz, 1963, 84 p.

COPPER-ALUMINUM ALLOYS

Effect of the purity of the alloy on the nature of ordering in Cu-Al solid solutions [with summary in English]. V. E. Panin, V. P. Fadin, Ukr. fiz. zhur., 8 no. 2:201-208 F '63.

Incomplete long-range order in Cu-Al solid solutions [with summary in English]. V. E. Panin, V. P. Fadin, Ukr. fiz. zhur., 8 no. 2:206-210 F '63.

Nature of ordering in Cu-Al solid solutions [with summary in English]. V. P. Fadin, V. E. Panin, E. F. Dudarev, Ukr. fiz. zhur., 8 no. 2:210-216 F '63.

COPPER-ALUMINUM ALLOYS—HARDENING

Effect of quenching temperature on the ordering processes in solid Cu-Al solutions [with summary in English]. V. E. Panin, V. P. Fadin, E. F. Dudarev, Ukr. fiz. zhur., 8 no. 2:195-201 F '63.

COPPER-CHROMIUM ALLOYS

Investigating alloys for the electrodes of resistance welding machines. S. K. Shozberg, Avtom. svar. 18 no. 1: 30-35 Ja '63.

COPPER COMPOUNDS

Electrophoresis of humus substances and their complexes with copper [with summary in English]. F. Pospishil, Pochvovedenie no. 12:44-52 D '62.

COPPER-GOLD ALLOYS see Gold-Copper alloys

COPPER IN THE BODY

Interrelation between copper fluctuations and the dynamics of protein fractions in the blood of typhoid and paratyphoid patients. R. D. Tsoi, Nauch. trudy uch. i prak. vrach. Uzb. no. 3:116-120 '62.

Interrelation between the copper content and that of bilirubin in the blood serum of children suffering from Botkin's disease. E. S. Burkhanov, Nauch. trudy uch. i prak. vrach. Uzb. no. 3:50-61 '62.

Interrelation between the copper fluctuation in the blood and the changes in the liver in cases of Botkin's disease in children. E. S. Burkhanov, Nauch. trudy uch. i prak. vrach. Uzb. no. 3:56-58 '62.

Spectral determination of copper content in the blood of some patients with infectious diseases. V. A. Gladkov, I. U. L. Vechetkovskii, Sbor. rab. Sverd. med. inst. no. 32:122-126 '61.

COPPER METABOLISM

Copper metabolism in the organism of typhoid and paratyphoid patients. R. D. Tsoi, Nauch. trudy uch. i prak. vrach. Uzb. no. 3:108-115 '62.

Copper metabolism in the organisms of children suffering from Botkin's disease. E. S. Burkhanov, Nauch. trudy uch. i prak. vrach. Uzb. no. 3:50-55 '62.

COPPER MINES AND MINING

(see also subdivision under Kounradskiy)

In creative cooperation with production workers. A. N. Shilin, Bezop. truda v prom. 8 no. 11:7-8 N '62.

COPPER MINES AND MINING—SAFETY MEASURES

Using thermocouples in detecting explosions and flashes of pyrite dust. E. I. Cherniavskii, Bezop. truda v prom. 7 no. 2:26 F '63.

COPPER ORES

(see also subdivision under Noril'sk region; Sialan District)

Geologic and economic estimates of copper ore deposits. N. L. Ovchinnikov, D. V. Zabugornov, Mat. po geol. i pol. iskop. Urala no. 10:157-167 '62.

COPPER ORES—ANALYSIS

Nature of the distribution and association of useful metals and copper in ore and their extraction. P. M. Solozhenkin, Dokl. AN Tadzh. SSR 3 no. 3:3-7 '60.

COPPER OXIDES

Infrared electroluminescence of cuprous oxide. A. G. Goldsman, L. V. Toropkova, Dokl. AN SSSR 147 no. 5: 1053-1056 D '62.

COPPER PLATING

New technological processes for copper and nickel plating. E. I. Ogneva, Mashinostroyeniye no. 6:58-61 N-D '62.

COPPER-PLATINUM ALLOYS

Theory of the diffusion of interstitial atoms in ordered alloys of the CuPt type [with summary in English]. M. I. Dekhter, Ukr. fiz. zhur., 8 no. 2:183-190 F '63.

COPPER-ZINC ALLOYS

Determining the asymptotic dispersed phases according to the fine structure of X-ray absorption spectra for some metals and alloys. V. A. Batyrev, Izv. AN SSSR, Ser. fiz. 27 no. 3:391-393 Mr '63.

COPPER-ZINC ALLOYS—METALLOGRAPHY

Certain properties of the γ -phase in the system Cu-Zn. K. K. Kasymbekova, A. A. Presniakov, Fiz. met. i metalloved. 15 no. 1:134-137 Ja '63.

COR PULMONALE

Developmental mechanisms of pulmonary cardiac insufficiency in lung cancer. M. A. Sedgarian, Vop. rent. i onk. 6:261-264 '61.

CORALS, FOSSIL

Recent data on the origin of hexacorals. T. G. Il'ina, Dokl. AN SSSR 148 no. 1:184-186 Ja '63.

CORCHOROSIDE

Ballistographic changes in patients treated with corchoroside. N. G. Bolosochina, Vrach. delo no. 1:120-131 Ja '63.

CORE DRILLING

"Direct geochemical methods of oil and gas prospecting; methodological instructions for sampling, sealing, and degassing of rocks" by B. P. IAsenav. Reviewed by M. Subbota. Geol. nefit i gaza 7 no. 2:63-64 F '63.

CORE DRILLING—EQUIPMENT AND SUPPLIES

Development and introduction of the DKS-1-TPI double core drill. S. S. Sulakhin and others. Razved. i okh. nedr. 29 no. 1:57-59 Ja '63.

COREMAKING

Shipilin, D. I. [Coremaking] Izgotovlenie sterzhnei, Izd. 2, Pod red. L. M. Volpanskogo, Moskva, Mashgiz, 1962, 61 p. (Nauchno-populiarnaya biblioteka rabochego i litsel'shchika, no. 4)

Soluble glass core mixtures for the casting of magnesium alloys. T. A. Vikhoreva, I. A. Izvekov, Lit. proizv. no. 7:9 JI '62.

CORES (ELECTRICITY)

Effect of insulation between the turns of wound cores on their magnetic characteristics. E. I. Blazhkovich, M. A. Rakov, Avtom. kont. i izm. tekhn. no. 6:125-127 '62.

CORIANDE

Mechanized harvesting of coriander in stages. N. Marchenko, Tekhn. v sel'khoz. 22 no. 7:13-14 JI '62.

CORN (MAIZE)

(see also subdivision under Issyk-Kul' region; Kabardino-Balkar A.S.S.R.; Karabakh Steppe; Kuban; Moldavia; Transbalkania; Virgin Territory) The beacons in corn growing. Inform. biul. VDNKH no. 2:23-28 F '62.

Blazhevskii, E. V. [Corn] O kukuruze, Kishinev, Partilnoe izd-vo TeK KP Moldavii, 1962, 87 p. (Pust' narcho goriat malaki) (DNAL)

Characteristics of the development of the root system of corn. A. Nikulin, Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:55-59 '62.

"The cultivation of corn in the R. S. F. S. R." Reviewed by I. Elagin, Agitator no. 13:61-62 JI '62.

Development of corn at different pH of the nutrient medium. S. S. Andreev, Dokl. AN SSSR 147 no. 5: 1223-1225 D '62.

Effect of bacteria decomposing $Ca_3(PO_4)_2$ on the development of corn. N. V. Sergeeva, Izv. AN Mold. SSR no. 7:79-88 '62.

Effect of gibberellin on the growth and yield of corn. P. Parfomenko, Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:69-73 '62.

Effect of sowing dates and depth of seed placement on the yield of corn. M. D. Kovalevich, Biul. nauch.-tekhn. inform. SZNTISKH no. 3:29-31 '58.

Effect of sowing dates for corn on the accumulation of chlorophyll in leaves. I. P. Shcherbina, Uch. zap. Kab.-Balk. gos. un. no. 11:181-184 '61.

Ensiling corn with the addition of urea. V. Mokhnatkin, Zhivotnovodstvo 23 no. 6:76-77 Je '61.

Forecasting the provision of heat and the continuation of the vegetation of stubble corn crops. A. B. Potoker, Meteor. i gidrol. no. 2:30-36 F '63.

Gitalov, A. V. [Grow large corn crops without using manual labor] Vyrashchivat vysokie urozhai kukuruzy bez zaitrat ruchnogo truda. Kishinev, Partilnoe izd-vo TeK KP Moldavii, 1962, 13 p. (Opit' peredovikov - vseim!) (DNAL)

Manukovskii, N. F., and others. [Over-all mechanization of corn growing and harvesting] Kompleksnaya mekhanizatsiya vozdel'yvaniya i uborki kukuruzy. Moskva, Proftekhizdat, 1962, 118 p. (DNAL)

Medicinal properties of corn juice treated with phytoncides. M. B. Razumovich, Zhivotnovodstvo 23 no. 8: 65-68 Ag '61.

Nature of the effect of derivatives of phenoxyacetic acid on corn and weeds. I. U. G. Merozhinskii, Nauch. trudy Ukr. nauch.-issl. inst. fiziol. rast. no. 23:132-140 '62.

Preservation of shelled forage corn. N. N. Tretyakov, S. M. Savchenko, Zhivotnovodstvo 23 no. 8:52-53 Ag '61.

Primary root system of corn. P. F. Medvedev, Biul. nauch.-tekhn. inform. SZNTISKH no. 3:43-46 '58.

School of experience and abundance. V mire knig 2 no. 8:21 Ag '62.

Surface silage of feeds. G. M. Tomilov, Zhivotnovodstvo 23 no. 7:46-50 JI '61.

Using a dry biological preparation in corn ensilage. V. P. Roshchin, Zhivotnovodstvo 23 no. 8:50-51 Ag '61.

CORN (MAIZE)—FERTILIZERS AND MANURES

Effect of individual nutritive elements, their amounts and ratios on the yield of the Voronezh 76 and VIR 42 corn. V. A. Sukhoivanov, V. G. Mukhin, Sbor. nauch. rab. Nauch.-issl. inst. sel'khoz. TSentr.-chern. pol. 2 no. 1:40-48 '60.

Effect of organic-mineral fertilizers on corn yields as related to the various methods of their application. V. A. Sukhoivanov, V. G. Mukhin, Sbor. nauch. rab. Nauch.-issl. inst. sel'khoz. TSentr.-chern. pol. 2 no. 1:47-54 '60.

Phosphorus nutrition of corn as related to the methods of fertilizing [with summary in English]. N. M. Vlasnikova, Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:150-162 '60.

CORN (MAIZE)—HARVESTING

Calculation methods for transportation means in harvesting corn with combines. A. G. Miulliar, Nauch. trudy UzNIME no. 4:43-47 '59.

Unit consisting of a corn harvesting combine and a self-propelled grain combine. I. A. Chumachenko, Mekh. sil', hosp. 13 no. 12:10-20 D '62.

CORN (MAIZE)—TRANSPORTATION

Calculation methods for transportation means in harvesting corn with combines. A. G. Miulliar, Nauch. trudy UzNIME no. 4:43-47 '59.

CORN (MAIZE)—VARIETIES

(see also subdivision under Kabardino-Balkar A.S.S.R.; Karabakh Steppe)

Kallnin, M. S., and M. I. Il'in. [Corn varieties and hybrids] Sorta i gibridy kukuruzy. 3 izd., ispr. i dop. [Leningrad] Sel'khozizdat, 1962, 156 p. (DNAL)

CORN OIL

Lipids. Part 18: Synthesis of the glyceride constituents of corn oil. G. A. Sorobrennikova and others, Zhur. obshch. khim. 33 no. 2:437-440 F '63.

CORN PRODUCTS

(see also subdivision under Dnepropetrovsk)

Produce high-quality products from corn. I. A. I. Fainshtein, Kons. i ov. prom. 18 no. 1:7-9 Ja '63.

CORNEA

Effect of whole-body X-ray irradiation on the restoration of corneal epithelium. V. M. Mastrukova, A. D. Strazhzhovskii, Radiobiologiya 3 no. 1:3-7 '63.

CORONA (ELECTRICITY)

Study of the characteristics of corona on an open span by superposing d.c. on a.c. V. I. Syroid, Izv. vys. ucheb. zav. i energ. 6 no. 1:37-42 Ja '63.

CORONARY HEART DISEASE

Coronary insufficiency in rheumatic heart defects [with summary in English]. S. P. Tatevosov, Vop. revm. 2 no. 3:48-54 JI-S '62.

CORONARY VESSELS

Changes in the intramural nervous apparatus of the heart during the ligation of the coronary artery [in Georgian with summary in Russian]. Sh. A. Chagelashvili, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:371-376 '62.

"Coronary vasodilators" by R. Charlier. Reviewed by N. V. Kaverina, I. E. Kisin, Vest. AMN SSR 18 no. 1: 87-88 '63.

Effect of ephyllin, papaverine, nitroglycerin and chlorazoline on the tone of the coronary vessels and oxygen absorption by the myocardium under conditions of heart isolation by Langendorff's method [with summary in English]. V. V. Buisanov, I. E. Kisin, Vest. AMN SSR 18 no. 1:36-40 '63.

Effect of pharmacological substances on the reflex reactions of the coronary vessels caused by stimulation of the cardiac receptors [with summary in English]. N. V. Kaverina, Vest. AMN SSR 18 no. 1:10-17 '63.

Method of dissection of the cardiac arteries. I. U. N. Darkashevich, Sud.-med. ekspert. 8 no. 1:57 Ja-Mr '63.

CORPULENCE

Clinical aspects of Dercum's syndrome. V. A. Semenov, I. U. A. Ioffe, L. L. Guseva, Sov. med. 26 no. 12: 102-106 D '62.

CORRESPONDENCE SCHOOLS AND COURSES

(see also subdivision under Leningrad; Moscow; Ukraine)

Decree of the Ministry of Education of the R. S. F. S. R. Vech. sred. shkola 5 no. 6:89 N-D '62.

Meetings devoted to a specific subject in correspondence schools. I. I. Tretyakova, Vech. sred. shkola 5 no. 6: 56 N-D '62.

You can learn by correspondence. V. Krachko, Koop. Kazakh. 5 no. 4:48-50 Ap '62.

CORRESPONDENCE SCHOOLS AND COURSES—PERIODICALS

"Metodicheskiy biulleten' " L. F. Serobrennikov. Vech. sred. shkola 5 no. 6:87-88 N-D '62.

CORROSION AND ANTICORROSIVES

Application of epoxide paint and varnish materials for anticorrosive protection of equipment. G. P. Kucherovskaya, V. V. Titova, D. Z. Bobrova. Khim. volok. no. 1: 70-71 '63.

Investigating the various methods of controlling scale formation and corrosion of metals. I. G. Chen (Ch'eng) and others. Koks i khim. no. 1:46-51 '63.

New monographs on the corrosion of metals. I. P. Kuliev and others. Azerb. nefi. khoz. 41 no. 4:48 Ap '62.

Paint and varnish coating used for the protection of water-purifying filters from corrosion. N. K. Zhuchkova and others. Lakokras. mat. i kh. prim. no. 1:42-43 '63.

Reliable anticorrosion agents. Inform. biul. VDNKH no. 2:11-13 F '62.

Selection of anticorrosive materials in the manufacture of "vinol" fiber. G. V. Talaeva, T. V. Budzik, O. I. Nachinkin. Khim. volok. no. 3:70-72 '62.

Use of butyl rubber in anticorrosion rubbers. A. L. Labutin, E. A. Makarova, A. A. Semenov. Kauch. i rez. 22 no. 2:10-21 F '63.

CORROSIVE OIL WELLS see Condensate oil wells

CORTICOSTEROIDS

Comparative data from the ACTH and corticosteroid treatment of bronchial asthma [with summary in English]. B. B. Kogan, I. G. Danilak. Sov. med. 26 no. 12:28-32 D '62.

CORTICOSTERONE

Local treatment of lupus erythematosus with hydrocortisone injections. G. E. Shinskii. Sov. med. 26 no. 12: 109-111 D '62.

Treatment of Botkin's disease with prednisone and deoxycorticosterone. A. P. Liasheva, Sbor. rab. Sverd. med. inst. no. 32:102-105 '61.

CORTISONE

State of the cardiovascular system in epidemic hepatitis following treatment with cortisone. I. S. Sak. Vrach. delo no. 1:90-94 Ja '63.

Treatment of infectious hepatitis with ACTH and cortisone. I. K. Musabiev, G. K. Khamidov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:101-107 '62.

Use of cortisone in some diseases of the nervous system [with summary in English]. D. I. Proniv, E. A. Loiko. Vrach. delo no. 11:97-72 N '62.

Use of cortisone in syringomyelia. E. P. Semenova. Vrach. delo no. 1:43 Ja '63.

Use of the adrenocorticotrophic hormone and cortisone in epidemic hepatitis. L. D. Levina, Sbor. rab. Sverd. med. inst. no. 32:97-102 '61.

CORUNDUM CRYSTALS

Structural morphology of corundum. P. Kharitman. Zap. Vses. min. ob-va 81 no. 6:672-682 '62.

COSMETICS

Notions production and trade. S. Sarukhanov. Sov. torg. 36 no. 1:8-12 Ja '63.

COSMETICS—PATENTS

Certificates of inventions and patents. Masl. -zhir. prom. 29 no. 1:42-44 Ja '63.

COSMETOLOGY see Beauty culture

COSMIC RAYS

Analysis of the altitude dependence of extensive air showers for various models of nuclear interactions at high energies [with summary in English]. G. G. Getmantsev. Izv. vys. ucheb. zav. radiofiz. 5 no. 6:1051-1056 '62.

COSMIC RAYS—SPECTRA

Concerning the spectrum of nonthermal cosmic radiation and the origin of the electron component of primary cosmic rays [with summary in English]. G. G. Getmantsev. Izv. vys. ucheb. zav. radiofiz. 5 no. 6:1051-1056 '62.

COSMOPOLITANISM see Internationalism

COSSACKS

Cossacks. V. Iliesh. Sov. Soluz no. 9:6-10 '62.

COST

Determining cost. A. Ivanov. Vest. stat. no. 2:61-70 '63.

COST AND STANDARD OF LIVING

(see also subdivision under Fergana; Vietnam, North)

Additional sources of income. T. Salikov. Agitator no. 13:34-37 JI '62.

Letters, information, comments. U. Skhirtladze and others. Agitator no. 5:58-58 Mr '63.

Plus forty. IU. Kotler. Sov. Soluz no. 8:16-17 '62. Soviet economics and phantasies of the anti-Communists. G. Khromushin. Polit. samozh. 7 no. 1:57-63 Ja '63.

The welfare of man is above all. N. Bromel, V. Dvorianov. Agitator no. 4:17-21 F '63.

COSTA RICA—ECONOMIC CONDITIONS

Yankees in Costa Rica. G. Noskov. Nov. vrem. 20 no. 12:12-13 Mr '63.

COSTA RICA—FOREIGN RELATIONS—UNITED STATES

Yankees in Costa Rica. G. Noskov. Nov. vrem. 20 no. 12:12-13 Mr '63.

COSTS (LAW)

Exaction of court costs in civil cases. V. Ryzhikova. Sov. iust. no. 2:8-10 Ja '63.

COSTS, INDUSTRIAL

Indices of costs and the ruble expenditures for commodity production. N. Liubimov. Vest. stat. no. 1:48-57 '63. Reduction of production costs is a source of the growth of social wealth. I. Sal'nikov, A. Frolov. Polit. samozh. 7 no. 1:118-127 Ja '63.

COSTUME

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie uchebnykh zavedenii i kadrov. [History of fine arts, mode of life, and costume; a course program] Istoriia izobrazitel'nogo iskusstva, byta i kostiuna; programma kursa dlia uchashchikhsia kul'turno-prosvetitel'nykh shk. Moskva, Izd-vo "Sovetskaya Rossiia," 196. 23 p.

COTTAGE INDUSTRIES see subdivision under Vologda Province

COTTON

(see also subdivision under Azerbaijan)

Cross-linking of a cellulose macromolecule as a method for modification of its properties. Kh. U. Usmanov, T. Gafurov, Kh. Dustmukhamedov. Uzb. khim. zhur. 6 no. 6:31-36 '62.

Effect of ionizing radiation on the action of enzymes and the process of photosynthesis in cotton leaves [in Azerbaijani with summary in Russian]. A. Kh. Tagizade. Trudy Inst. gen. i sel. AN Azerb. SSR 2:69-75 '62.

COTTON—FERTILIZERS AND MANURES

(see also subdivision under Turkmenistan)

Effect of mineral fertilizers on the humification of alfalfa roots and manure in Sierozema; based on pot experiments [with summary in English]. F. A. Serlahin. Pochvovedenie no. 12:91-95 D '62.

Organic - mineral granules and their effect on the yield of raw cotton. E. Ia. Liasheva. Nauch. trudy UzNIIME no. 4:7-11 '59.

COTTON—IRRIGATION

(see also subdivision under Il'ich District)

Eremenko, V. E. [Irrigation of cotton fields planted in "blackrows"] Polity khlopchatnika pri kvadratnognedozvykh posevakh. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1965. 34 p. (Biblioteka kolkhoznika) (DNAL)

COTTON—TESTING

Ivanov, S. S., and others. [Methods of determining the properties of cotton fibers] Metody opredeleniia svoistv khlopka-volokna. Pod red. S. S. Ivanova. Moskva, Rostekhizdat, 1962. 234 p.

COTTON—TRANSPORTATION

Bulk transportation of raw cotton. B. K. Nikulin. Nauch. trudy UzNIIME no. 4:27-34 '59.

COTTON—VARIETIES see subdivision under Turkmenistan

COTTON BREEDING see subdivision under Turkmenistan

COTTON GROWING

(see also subdivision under Murgab Valley; Tashkent Province; Turkmenistan)

Growth, development, and yield of fine-fiber cotton and soil fertility in various fields of a crop rotation. V. N. Fursov. Trudy kol. sel. sta. 1:15-51 '61.

COTTON GROWING—STUDY AND TEACHING see subdivision under Uzbekistan

COTTON MANUFACTURE

(see also subdivision under Orekhovo-Zuyevo)

"Machinery for the combing operations of cotton spinning mills" by A. V. Goncharov. Reviewed by V. S. Goritskii. Tekst. prom. 23 no. 1:90-91 Ja '63.

Studying labor expenditure according to its application fields in cotton mills. T. B. Poliak. Izv. vys. ucheb. zav. i tekhn. tekst. prom. no. 6:3-10 '62.

COTTON MANUFACTURE—HYGIENIC ASPECTS see subdivision under Orekhovo-Zuyevo

COTTON—PICKING MACHINERY

Some data on investigating the technological process of the spindle apparatus of the SKhS-1, 2 cotton harvesting machine. K. IU. Beimuratov. Nauch. trudy UzNIIME no. 4:22-26 '59.

COTTONSEED Aleksandrov, A. S. [Growing cottonseed] Semenovodstvo khlopchatnika. Moskva, Sel'khozizdat, 1962. 255 p. (DNAL)

COTTONSEED—STORAGE

Hydraulic resistance of a stationary layer of cottonseeds. B. M. Gurovich. Masl. -zhir. prom. 29 no. 1:16-18 Ja '63.

COTTONSEED—THERMAL PROPERTIES

Heat capacity of a moist granular material [with summary in English]. M. I. Shebekoldin. Inzh. -fiz. zhur. 5 no. 12:94-95 D '62.

COTTONWOOD see subdivision under Bryansk Province

COUNTERPOINT

Dmitriev, A. N. [Polyphony as a factor in the development of form; theoretical studies of Russian classical and Soviet music] Polifoniia kak faktor formobrazovaniia; teoreticheskie issledovaniia na materiale russkoi klassicheskoi i sovetskoi muzyki. Leningrad, Muzgiz, 1962. 487 p.

Protopopov, V. V. [History of polyphony in its most significant aspects; Russian classical and Soviet music] Istoriia polifonii v ee vazhnelshikh iavleniakh; russkaia klassicheskai i sovetskaiia muzyka. Moskva, Muzgiz, 1962. 294 p.

COUPLINGS

Changing the design of couplings for motortrucks. V. Pokras, A. Retman, V. Shif. Avi. transp. 41 no. 2: 55-56 F '63.

COURAGE

From the pages of the press. Sov. Soluz no. 3:28-29 '63.

COURTS

(see also subdivision under Mosn'sk; Moscow; United States)

The elections of people's assessors. Sov. iust. no. 3: 1-3 F '63.

"In the name of the R. S. F. S. R." G. Merzliakova. Sov. iust. no. 2:21-23 Ja '63.

"Judicial system and public prosecution in the U. S. S. R." by A. L. Rivlin. Reviewed by P. Zavorotko, D. Suslo, M. Naklovych. Rud. pravo no. 1:142-145 Ja-F '63.

We should improve the correspondence and office procedures of Soviet courts. Sov. iust. no. 2:1-3 Ja '63.

COWPEAS

Activity and quality of peptidases in the seeds of Siberian pea tree and cowpea. L. Semetlatte. Biul. Glav. bot. sada no. 45:84-87 '62.

COWS

Best dates for the insemination of cows. V. N. Karlov. Zhivotnovodstvo 23 no. 8:77-79 Ag '61.

Determining pregnancy from the physiological characteristics of cows. V. P. Popkov. Zhivotnovodstvo 23 no. 8:83 Ag '61.

Productivity of cows born at various times of the year. I. Rishchenko. Sbor. stud. nauch. -issl. rab. VSKhI 1 no. 1:279-280 '62.

COWS—DISEASES AND PESTS

Cases of carbamide poisoning in ruminants. G. N. Kolegaev. Veterinaria 37 no. 11:67 N '60.

Oxidation-reduction processes in the organisms of dairy cows in acetoneemia and osteodystrophy. A. N. Bazhenov, M. N. Peklistov. Veterinaria 37 no. 11:58-60 N '60.

Pathological derangements in the lactation of highly productive cows and methods of their elimination. V. M. Koropov. Veterinaria 37 no. 11:55-57 N '60.

Role of the Takata test in the disorders of metabolism in dairy cows. K. Vodia. Veterinaria 37 no. 7:55-60 JI '60.

Urine composition in healthy highly productive cows and in cows with metabolic disorders of the alimentary toxemia type. T. V. Shakhova. Veterinaria 37 no. 7:61-65 JI '60.

COWS—FEEDING AND FEEDS

(see also subdivision under Uzbekistan)

Feeding dairy cows by using a maximum amount of succulent forage. M. Borisenko. Sbor. stud. nauch. -issl. rab. VSKhI 1 no. 1:229-230 '62.

"Feeding high-productive cows" by P. V. Demchenko. Reviewed by A. A. Zubrilin. Zhivotnovodstvo 23 no. 7:85-86 JI '61.

Results of four years' work in substituting silage for hay in winter rations for cows. S. Ia. Znfrei, E. K. Shurba. Zhivotnovodstvo 23 no. 8:43-50 Ag '61.

CRACKING PROCESS

Conversions of hydrocarbons on rhodium-palladium-aluminoilic acid catalysts under conditions of reforming. M. A. Riasentsava, IU. A. Afanas'ova, Kh. M. Minachev. Neftekhimika 3 no. 1:55-59 Ja-F '63.

Hydrocarbons of the naphthalene series in naphtha and gas oils of catalytic cracking. N. M. Indukov, M. K. Danielian. Khim. i tekhn. topl. i masel 8 no. 1:16-19 Ja '63.

Molecular transformations in a natural gas produced by electrodeless high-frequency discharges. Part 3: Effect on electric cracking as exerted by the power of high-frequency discharges and the gas pressure in a discharge tube. S. V. Starodubtsev and others. Izv. AN Uz. SSR. Ser. fiz. -mat. nauk 6 no. 5:53-59 '62.

CRACKING PROCESS (Continued)

Production of raw material for carbon black in thermal cracking units. V. I. Morozov and others. Khim. i tekhn. topl. i masel. 8 no. 1:30-42 Ja '63.

Radiation-induced thermal cracking of petroleum hydrocarbons. Part 2: Radiation-induced thermal cracking in a uniform temperature and dose field of γ -radiation under pressures from 1 to 30 atm. A. V. Topchiev, L. S. Polak, V. D. Timofeev. Neftekhimika 3 no. 1:114-123 Ja-F '63.

CRANES, DERRICKS, ETC.

Alperovich, A. I. [Methodological manual for work training of tower-crane operators] Metodicheskoe posobie po proizvodstvennomu obucheniiu mashinistov bashennykh kranov. Moskva, Profkhozdat, 1962. 184 p.

Assembly of the spans of a road bridge using a crane-truss. L. F. Baranov. Transp. stroit. 12 no. 9:21-23 S '62.

Control cabins for cranes. B. M. Zlobinskii. Bezop. truda v prom. 7 no. 1:33-35 Ja '63.

Crane for loading and unloading in lumberyards. I. U. N. Shastarev. Mekh. i avtom. proizv. 17 no. 1:43 Ja '63.

Following up articles published in "Bezopasnost' truda v promyshlennosti." Bezop. truda v prom. 6 no. 11: 18 N '62.

Heavy cargo loading by gantry cranes in the Il'ichevsk harbor. B. Himashevskii. Mor. flot 23 no. 2:14-15 F '63.

The KB-100, 1 tower crane. Na stroi. Ros. 3 no. 12:2 of cover D '62.

Lamitsov, V. A., and G. A. Sedluchka. [Assembly of tower cranes in crowded conditions] Montazh bashennykh kranov v steennyykh usloviyakh. Leningrad, 1961. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen perezodovym opytom. Seriya: Stroitel'nata promyshlennost', no. 27)

Over 20,000 hours without major repair. N. N. Abzhaidze. Transp. stroit. 12 no. 7:5-6 Ji '62.

CRANES, DERRICKS, ETC.—SAFETY MEASURES

Prevent accidents and injuries in operating cranes. M. S. Sharonov. Bezop. truda v prom. 7 no. 1:16-17 Ja '63.

CRANIAL NERVES see Nerves, Cranial

CRANIOMETRY

Asymmetry in the skull structure of man and some mammals. The upper part of the facial skeleton. Brain case. B. A. Nikituk. Vop. antr. no. 10:30-43 '62.

CRANKS AND CRANKSHAFTS

Fitting crankshafts in main bearings without scraping. L. Vladimirov. Rech. transp. 22 no. 1:27-29 Ja '63.

CRANKS AND CRANKSHAFTS—MAINTENANCE AND REPAIR

Reconditioning crankshafts by build-up welding with a weaving arc in a flow of liquid. O. S. Zabarilo. Avtom. svar. 15 no. 12:69-72 D '62.

CRAWLER TRACTORS

The T-130 tractor. E. Sorokin. Tekh. v sel'khoz. 22 no. 7:55-59 Ji '62.

CRAWLER TRACTORS—MAINTENANCE AND REPAIR

Reconditioning track lugs with one-sided wear. A. E. Aenla, L. M. Gutman. Avtom. svar. 15 no. 12:9-15 D '62.

CREAMERIES—EQUIPMENT AND SUPPLIES

Flow line for butter production. A. I. A. Chernovannik. Biol. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. no. 1:82-83 '63.

Line for the production and packaging of sour cream. I. P. Chuvaev. Biol. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. no. 1:60-62 '63.

CREATININE

Comparative determination of glomerular filtration in dogs by means of the inulin and creatinine methods. G. D. Anikto, E. B. Berklin. Fiziol. zhur. 48 no. 12: 1464-1467 D '62.

CREDIT

(see also subdivision under European Economic Community Countries; Moscow; Ukraine)

Issuing loans to industrial enterprises based on credit entries in the special account. Den. i kred. 21 no. 1: 30-33 Ja '63.

Nonused sources. P. Filatov, M. Dedkova. Mest. prom. i khud. promysl. 3 no. 12:23 D '62.

CREEP OF METALS

Effect of the substructure on the creep of iron silicide single crystals. V. M. Rozenberg, A. V. Shalimova. Dokl. AN SSSR 148 no. 1:82-83 Ja '63.

New developments in instrumentation and methods of testing metals for creep and stress-rupture strength. A. M. Borzdyka, L. B. Getsov. Zav. lab. 20 no. 3: 332-344 '63.

CREEP OF NICKEL

Comparing the effect of prestressing at 4, 2 and 300° K on the creep characteristics of nickel at 700° C. V. M. Azhazha, I. A. Gindin, I. A. D. Starodubov. Fiz. met. i metalloved. 15 no. 1:119-124 Ja '63.

High-temperature region of positive influence of a polygonized structure on creep. G. I. A. Kozyrskii. Fiz. met. i metalloved. 14 no. 6:917-924 D '62.

CREEP OF PLASTICS

Creep and relaxation of the polyamide resin 68 under conditions of a uniaxial tensile test. M. A. Koltunov, V. N. Bezukhov. Plast. massy no. 2:31-36 '63.

Short-term creep of textolite at normal temperature [with summary in English]. P. M. Ogibalov, I. M. Tiuneeva. Vest. Mosk. un. Ser. 1:Mat., mekh. no. 6: 70-77 N-D '62.

Some results of the study of creep in a torsion test of polymeric materials at room temperature. O. D. Khlopotov. Plast. massy no. 1:64-68 '63.

CREEP OF STEEL

Methods for determining the plasticity of heat-resistant materials under conditions of creep. I. I. Trunin. Zav. lab. 20 no. 3:357-363 '63.

CRESOL

Odoriferous principle with a sweet musk odor obtained from a cresol mixture. K. A. Bogdanov, L. M. Shulov, E. F. Iakusheva. Masl. -zhir. prom. 20 no. 1: 37 Ja '63.

CRIME AND CRIMINALS

(see also subdivision under Leningrad)

Criminal violation of the political and labor rights of Soviet citizens. P. Matyashchevskiy. Rad. pravo no. 1: 71-78 Ja-F '63.

"Objective aspects of a crime" by V. N. Kudrinskii. Reviewed by G. Mendel'son. Rad. pravo no. 5:141-143 S-O '62.

A review of the pamphlets published by the Publishing House of Legal Literature. V. Tenkikh. Sov. iust. no. 5:20-29 Mr '63.

Studying the sources of criminal offenses and the methods of their prevention. L. Koval'ov. Rad. pravo no. 1:99-103 Ja-F '63.

What we can learn from a sentence. V. Pankova. Sov. iust. no. 5:25-26 Mr '63.

CRIME AND CRIMINALS—IDENTIFICATION

Tseyvetkov, P. P. [Proof of identity in Soviet criminal procedure] Pred'layenie dlia opoznaniia v sovetskoi ugolovnom protsessse. [Leningrad] Izd-vo Leningr. univ., 1962. 112 p.

CRIME PREVENTION

The end of a "gold mine." V. Golovanov. Sov. iust. no. 5:13-14 Mr '63.

Studying the sources of criminal offenses and the methods of their prevention. L. Koval'ov. Rad. pravo no. 1:99-103 Ja-F '63.

Zhigin, N. V., ed. [The work of criminal investigators, public prosecutors, and Soviet courts in regard to crime prevention] Delatel'nost' organov rassledovaniia, prokurora i suda po preduprezhdeniiu prestuplenii. [By] G. M. Min'kovskii i dr. Moskva, Gosurizdat, 1962. 278 p.

CRIMEA—CAMPS

Republic of multicolored neckties. Sov. soluz. no. 8:30-33 '62.

CRIMEA—COLLECTIVE FARMS—INCOME DISTRIBUTION

Business accounting within individual production units and supplementary wages on collective farms. E. Besonov. Ekon. sel'khoz. 34 no. 2:79-84 F '63.

CRIMEA—DOMESTIC ANIMALS, FOSSIL

What is known about the first domestic animals in the Crimea? E. L. Dmitrieva. Priroda 52 no. 2:104-105 '63.

CRIMEA—FOOD INDUSTRY

"Prepared by departments staffed with volunteers..." N. Nikolaichik. Sov. profsoiuzy 19 no. 3:15-16 F '63.

CRIMEA—GAS, NATURAL—GEOLOGY

Age of roof rocks in the Paleozoic basement of the Crimean Peninsula. E. A. Novikov. Geol. Nefti i gaza 7 no. 2:49-50 F '63.

CRIMEA—HEALTH RESORTS, WATERING PLACES, ETC.

Importance of a long subfebrile state in tuberculosis [with summary in English]. E. D. Petrov. Vrach. delo no. 11:48-52 N '62.

CRIMEA—PETROLEUM GEOLOGY

Age of roof rocks in the Paleozoic basement of the Crimean Peninsula. E. A. Novikov. Geol. nefti i gaza 7 no. 2:49-50 F '63.

CRIMEA—TRADE UNIONS—OFFICERS

"Prepared by departments staffed with volunteers..." N. Nikolaichik. Sov. profsoiuzy 19 no. 3:15-16 F '63.

CRIMEA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Stepanov, E. P. [Along partisan paths] Partizanskimi tropami. Simferopol', Krymizdat, 1961. 306 p. (CSI-H)

CRIMEAN MOUNTAINS—GEOLOGY

Pchelintsev, V. F. [Formation of the Crimean Mountains] Obrazovanie Krymskikh gor. Moskva, Izd-vo Akad. nauk SSSR, 1962. 87 p. (Akademiia nauk SSSR. Geologicheskii muzei. Trudy, no. 14)

CRIMINAL DEFENSES see Defense (Criminal procedure)

CRIMINAL INVESTIGATION

(see also subdivision under Kirovograd)

"Clues at the scene of a crime" by I. F. Krylov. Reviewed by V. Lysytsyn, A. Zhalins'kiy. Rad. pravo no. 5:139-140 S-O '62.

Legal relations between investigators and public prosecutors during the pretrial investigation of criminal offenses. Z. Onyshchuk. Rad. pravo no. 5:90-94 S-O '62.

Procedural role of defense counsels during the pretrial investigation of criminal offenses. E. Shein. Sov. iust. no. 3:11-13 F '63.

We should carefully gather samples for forensic expertise. V. Kolmakov. Rad. pravo no. 5:52-55 S-O '62.

CRIMINAL INVESTIGATION—STUDY AND TEACHING

Development of imagination in law students during the practical study of criminology. S. N. Bogomolova and others. Vop. psikh. no. 6:117-123 N-D '62.

CRIMINAL JUSTICE, ADMINISTRATION OF see subdivision under Ukraine; Zhitomir Province

CRIMINAL LAW

Moscow, Universitet. [Soviet criminal law; general part] Sovetskoe ugolovnoe pravo; chast' obshchaya. Pod red. V. D. Men'shagina, N. D. Durmanova i P. S. Romashkina. Moskva, Gosurizdat, 1962. 449 p.

Moscow, Vsesoiuznyi iuridicheskii nauchnyi institut. [Soviet criminal law; special part] Sovetskoe ugolovnoe pravo (chast' osobennaya); uchebnoe posobie. Moskva, Vol. 2. 1960. 202 p.

CRIMINAL PROCEDURE

A conference of Soviet philosophers and lawyers devoted to the problem "Objective truth in criminal procedure." I. U. N. Boronnikov. Vop. filos. 17 no. 2:165-169 '63.

Galkin, B. A. [The Soviet criminal procedure law] Sovetskii ugolovno-protsessual'nyi zakon. Moskva, Gosurizdat, 1962. 263 p.

"Objective truth in criminal procedure" by P. F. Pashkevich. Reviewed by A. A. Starchenko. Vop. filos. 17 no. 2:170-173 '63.

Tseyvetkov, P. P. [Proof of identity in Soviet criminal procedure] Pred'layenie dlia opoznaniia v sovetskoi ugolovnom protsessse. [Leningrad] Izd-vo Leningr. univ., 1962. 112 p.

CRINOTHESE see Polyethylene

CROPS, COMPANION see Companion crops

CROPS AND CLIMATE

Forecasting the provision of heat and the continuation of the vegetation of stubble corn crops. A. B. Potoker. Meteor. i gidrol. no. 2:30-36 F '63.

Leningrad, Glavnaya geofizicheskaya observatoriia. [Microclimate of hilly relief and its effect on farm crops] Mikroklimat kholmistogo rel'efa i ego vliianie na sel'skokhoziaistvennye kul'tury. Pod red. I. A. Gol'tsberg. Leningrad, Gidrometeorizdat, 1962. 249 p. (DNAL)

CROPS AND SOILS see subdivision under Russia, Northwestern

CROSSES see subdivision under White Russia

CROTONONITRILE

Reaction of crotononitrile and β -dialkylaminobutyronitriles with aromatic amines. P. F. Butskus, G. I. Denis. Zhur. ob. khim. 33 no. 2:629-631 F '63.

CROWS see subdivision under Amu Darya Delta region

CRUELTY TO CHILDREN see subdivision under Alma-Ata

CRUSHED STONE see Stone, Crushed

CRUSHED STONE INDUSTRY

Use of basic production funds in the industry of rock, gravel and sand for construction. B. M. Dygerna. Stroi. mat. 9 no. 2:4-6 F '63.

Vsesoiuznyi nauchno-issledovatel'skii institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii. [Production of rock, gravel and sand for construction; present state and prospects for development] Proizvodstvo nerudnykh stroitel'nykh materialov; sostoiianie i perspektivy razvitiia. [By] A. A. Bardyshev i dr. Moskva, Gosstroizdat, 1962. 201 p.

- CRUSHED STONE INDUSTRY—EQUIPMENT AND SUPPLIES**
New mobile crushing and grading plant for obtaining fine crushed stone. L. I. Logak. Stroi. mat. 9 no. 2:13-14 F '63.
- CRUSHED STONE INDUSTRY—HYGIENIC ASPECTS** see subdivision under Isot
- CRUSHING MACHINERY**
(see also subdivision under Tekhn.)
Highly productive fruit grinder. A. I. Samartsev. Les. khoz. 15 no. 8:80 S '62.
Improvement of high-duty large-piece crushers and prospects for their use. I. U. A. Muizemnek. Konstr. krep. mash. no. 1:115-131 '62.
Vlasov's fruit crusher. A. E. Chupakhin. Les. khoz. 15 no. 9:79-80 S '62.
- CRUSHING MACHINERY—MAINTENANCE AND REPAIR**
Set-replacement method for mill maintenance in ore dressing plants. V. G. Svirin. TSvet. met. 35 no. 12: 56-58 D '62.
- CRUSTACEA—TRANSPORTATION**
Effect of transportation on gas exchange in some crustaceans. I. V. Pomazovskaya. Trudy Kar. fil. AN SSSR no. 33:90-93 '62.
- CRYOPEDEDOLOGY**
(see also subdivision under Bol'shezemel'skaya Tundra; Krasnoyarsk region; Siberia, Eastern; Transbaikalia; Yakutia region)
Cryopedologic-facies method and its significance. B. I. Viturin, Sh. Sh. Gasanov. Trudy Inst. merz. AN SSSR 18:103-107 '62.
Experience in compiling a geocryological block plan in the volumetric projection. I. I. Shamanova. Trudy Inst. merz. AN SSSR 18:98-102 '62.
- CRYSTAL LATTICES**
Calculation of the fine structure of X-ray absorption spectra of metals using Hartree fields. A. I. Kozlenkov. Izv. AN SSSR. Ser. fiz. 27 no. 3:364-377 Mr '63.
Defects of packing in solid solutions of nickel. N. I. Noskova, V. A. Pavlov. Fiz. met. i metalloved. 14 no. 8:899-903 D '62.
Dependence of elasticity constants in binary alloys on ordering. V. T. Shmatov. Fiz. met. i metalloved. 15 no. 1:36-44 Ja '63.
Effect of preferred grain orientation on the elastic properties of polycrystals. I. P. Talashkevich, K. S. Aleksandrov. Fiz. met. i metalloved. 14 no. 6:801-805 D '62.
Structure of subgrain structure in single crystal molybdenum. I. U. I. Demkin. Fiz. met. i metalloved. 14 no. 6:910-912 D '62.
- CRYSTALLINE AND METAMORPHIC ROCKS** see Rocks, Crystalline and metamorphic
- CRYSTALLINE LENS**
Effect of a tissue extract on the ability of the iris to regenerate the lens in tadpoles of Rana ridibunda. I. Korkia. Dokl. AN SSSR 149 no. 1:205-206 Mr '63.
- CRYSTALLIZATION**
Crystallization in a fluidized bed. V. A. Postnikov, L. N. Matusevich. Khim. prom. no. 11:802-805 N '62.
Distribution of microcomponents between solid and liquid phases in the systems $\text{NH}_4\text{Br} - \text{CuBr}_2 - \text{H}_2\text{O}$ and $\text{NH}_4\text{Cl} - \text{CaCl}_2 - \text{H}_2\text{O}$ in the presence of hydrogen ions. E. M. Ioffe. Radiokhimiya 5 no. 1:135 '63.
Effect of the composition of a complex ion on the value of the coefficient of crystallization. V. I. Grebenshchikova, V. N. Bobrova. Radiokhimiya 5 no. 1:3-8 '63.
Fractionation of a mixture of trivalent iron in the processes of crystallization of ammonium sulfate from aqueous solutions. G. I. Gershtein, N. N. Tituleva. Radiokhimiya 5 no. 1:11-22 '63.
From a necklace to an artificial satellite. I. U. Rybchinskii. Sov. Soluz. no. 8:18-19 '62.
Interaction of tin chloride with chlorides of rare earth metals, iron, and sodium. Li Chi-fa [$\text{LiCh}^4\text{H-fa}$]. I. S. Morozov. Zhur. neorg. khim. 7 no. 12:2765-2770 D '62.
Mechanism of the crystallization of rimmed steel in continuous casting. V. B. Gankin, G. N. Oiks. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:34-41 '63.
Ordering processes and activation energy of the recrystallization of iron-cobalt alloys [with summary in English]. A. A. Gol'denberg, I. A. P. Seliskii. Ukr. fiz. zhur. 8 no. 2:216-218 F '63.
Rate of crystallization of supercooled water in the freezing of by-products under vacuum. E. I. Ryzhova. Trudy MTIPP 15:67-70 '60.
- CRYSTALLOGRAPHY**
Conformation of isotactic polymers [with summary in English]. N. P. Borisova, T. M. Birshtein. Vysokom. soed. 5 no. 2:279-288 F '63.
Crystal structure of some thorium and uranium compounds. B. G. Arutunian, M. A. Porai-Koshits. Zhur. strukt. khim. 4 no. 1:110-111 Ja-F '63.
Crystal structure of the crystal hydrates of transition metal salts. Structure of $\text{Co}_2\text{SO}_4 \cdot \text{H}_2\text{O}$. S. A. Shehukarev and others. Zhur. strukt. khim. 4 no. 1:63-66 Ja-F '63.
- Distances between metal atoms and water molecules in crystal hydrates. G. G. Malenkov. Zhur. strukt. khim. 4 no. 1:102-105 Ja-F '63.
Energy bands of titanium in the cubic lattice. I. A. Nikiforov, V. P. Sachenko. Izv. AN SSSR. Ser. fiz. 27 no. 3:310-313 Mr '63.
Imaginary chemical compounds. G. B. Bokil. Zhur. strukt. khim. 4 no. 1:73-79 Ja-F '63.
Note on G. N. Vyrukov. Z. I. Sheptunova. Trudy Inst. ist. est. i tekhn. 39:283-287 '62.
Remarks on the optical determination of structural-optical types of K-Na feldspars [with summary in English]. V. V. Smirnyi. Vest. LGU 17 no. 24:152-155 '62.
Structure of crystals of nitropentammine ruthenium trichloride. T. S. Khodashova. Zhur. strukt. khim. 4 no. 1:111-112 Ja-F '63.
Structure of the energy levels of metallic molybdenum. Izv. AN SSSR. Ser. fiz. 27 no. 3:319-321 Mr '63.
Systematics of the structural types of intermetallic compounds. P. I. Kitiakovich. Zhur. strukt. khim. 4 no. 1:117-136 Ja-F '63.
Thermodynamic properties and crystallochemical characteristics of zinc ferrite solid solutions with magnetite. G. P. Popov and others. Dokl. AN SSSR 148 no. 2:357-360 Ja '63.
- CRYSTALLOGRAPHY—BIBLIOGRAPHY** see Bibliography—Crystallography
- CRYSTALLOGRAPHY—CONGRESSES**
Second All-Union Conference on Electronography. N. V. Alekseev. Zhur. strukt. khim. 4 no. 1:137-140 Ja-F '63.
- CRYSTALLOGRAPHY, MATHEMATICAL**
Regular divisions of space. B. N. Delone. Priroda 52 no. 2:60-63 '63.
- CRYSTALS—DEFECTS**
Effect of lattice distortions on the scattering of slow neutrons in alloys [with summary in English]. A. N. Zil'gannov and others. Ukr. fiz. zhur. 8 no. 2:256-263 F '63.
Spectrum of atomic defects participating in the formation of short-range order in nickel-chromium alloys [with summary in English]. L. E. Popov, G. I. Karpov, L. M. Panova. Ukr. fiz. zhur. 8 no. 2:226-232 F '63.
- CRYSTALS—GROWTH**
[Crystallization and phase transitions] Kristallizatsiya i fazovye perekhody. Minsk, Izd-vo Akad. nauk BSSR, 1962. 444 p.
Forms of skeletal growth as revealed by quartz from pegmatites. I. T. Bakumenko. Zap. Vses. min. ob-va 91 no. 6:652-671 '62.
Growth rate of ice crystal formation in water. L. A. Bukina. Izv. AN SSSR. Ser. geofiz. no. 12:1852-1857 '62.
- CRYSTALS—OPTICAL PROPERTIES**
General shape of isopaity in the electrophotographic process. V. M. Fridkin. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:36-41 Ja-F '63.
- CUBA—AIR TRAVEL**
On the wings of friendship. Kh. N. Tskhovrebov. Grazhd. av. 19 no. 12:10-12 D '62.
- CUBA—CANNING INDUSTRY**
Canning industry of Cuba. V. I. Rogachev. Kons. i ov. prom. 18 no. 1:31-38 Ja '63.
- CUBA—DESCRIPTION AND TRAVEL**
Drdn, Jan. [Under a new and bold star; brief notes on Cuba. Translated from the Czech] Pod zvezdou novoi smeloi; nemnogo o Kube. Moskva, Izd-vo "Pravda," 1963. 46 p. (Biblioteka "Ogonok," no. 7)
Wasilewska, Wanda. [Ten days in Cuba. Translated from the Polish] Desiat' dney na Kube. Kyiv, Radians'kyi pys'mennyk. 1962. 137 p. (MH)
- CUBA—ECONOMIC CONDITIONS**
Workdays in Cuba. K. Ziliacus. Nov. vrem. 20 no. 9: 24-25 Mr '63.
- CUBA—FLOUR MILLS**
Flour mills and elevators in the Republic of Cuba. A. Danilin. Muk.-elev. prom. 28 no. 11:27-31 N '62.
- CUBA—FOREIGN RELATIONS—UNITED STATES**
The island of freedom storms new frontiers. M. Khushai-nov. Sov. profsoyuz 19 no. 3:24-25 F '63.
The necessary clarity. Nov. vrem. 20 no. 10:2-3 Mr '63.
World events. A. Bel'skaya. Rabotnitsa 40 no. 3:21 Mr '62.
- CUBA—GRAIN ELEVATORS**
Flour mills and elevators in the Republic of Cuba. A. Danilin. Muk.-elev. prom. 28 no. 11:27-31 N '62.
- CUBA—HISTORY**
Collapse of Machado's tyrannical rule [with summary in English, p. 189]. A. Nuñez Chimenos. Nov. i noveish. ist. no. 6:53-57 '62.
- "Story of a green lizard" by Genrikh Borovik. Reviewed by L. Kostina. Vokrug sveta no. 11:61-62 N '62.
- CUBA—PEAT**
Peat in Cuba. A. S. Olenin, I. V. Sedov. Priroda 52 no. 2:88-90 '63.
- CUBA—POLITICS AND GOVERNMENT**
Drdn, Jan. [Under a new and bold star; brief notes on Cuba. Translated from the Czech] Pod zvezdou novoi smeloi; nemnogo o Kube. Moskva, Izd-vo "Pravda," 1963. 46 p. (Biblioteka "Ogonok," no. 7)
The island of freedom. Carlos Olivarez Sanchez. Agitator no. 3:27-30 F '63.
The island of freedom storms new frontiers. M. Khushai-nov. Sov. profsoyuz 19 no. 3:24-25 F '63.
- CUBA—RADIO**
Radio of free Cuba. R. Puerta. Radio no. 2:15-16 F '63.
- CUBA—RELATIONS (GENERAL) WITH RUSSIA**
[We shall be friends forever] Druzha navikyl Kyiv, Vyd-vo "Melodii," 1962. 46 p.
- CUBA—TELECOMMUNICATION**
Radio of free Cuba. R. Puerta. Radio no. 2:15-16 F '63.
- CUBA—TELEVISION**
Radio of free Cuba. R. Puerta. Radio no. 2:15-16 F '63.
- CUCUMBERS**
Kuz'michev, M. G. [Companion crops for cucumbers] Uplenennyye posevy ogurtsov. [Moskva] Mosk. rabochii, 1962. 27 p. (Dk opyt dostupen vsem) (DNAL)
Obtaining a high yield of cucumbers in strip cropping under a polyamide film. Z. I. Bychkova. Biol. nauch. i tekhn. inform. SZNIISKH no. 3:17-18 '63.
- CUCUMBERS—VARIETIES** see subdivision under Voronezh
- CUCURBITACEAE** see Vine crops
- CULTIVATED PLANTS** see Plants, Cultivated
- CULTIVATION OF SOILS** see Tillage
- CULTIVATORS**
Discs for soil cultivation. A. Solovishchik. Tekh. y sel'khoz. 22 no. 12:14-15 D '62.
- CULTURAL PROPERTY, PROTECTION OF—BIBLIOGRAPHY** see Bibliography—Cultural property, Protection of
- CULTURE—CONGRESSES**
With the congresses of workers of culture. Kul't.-prom. rab. 23 no. 0:6 S '62.
- CULTURES, BACTERIAL** see Bacteriology—Cultures and Culture media
- CULVERTS**
Designing the foundations of culverts on permafrost. O. V. Svezhko. Transp. stroi. 12 no. 9:47-50 S '62.
- CUMENE**
Separation of mono-, di-, and hydroperoxide of p-diisopropylbenzene by chromatography on silica gel. R. V. Kucher, R. N. Rud'. Zav. lab. 20 no. 1:10-22 '63.
- CUPOLA FURNACES**
Automatic charging systems for cupola furnaces. V. I. Vrublovskii, I. S. Ereemov, O. M. Kryzhanovskii. Mekh. i avtom. protzv. 17 no. 2:6-8 F '63.
Continuous tapping of cupola cast iron. V. A. Paklev. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:153-159 '63.
New system for purifying gases and waste water from cupola furnaces. M. A. Tychinskaya. Mashinostroenie no. 6:50-51 N-D '62.
- CUPOLA FURNACES—COOLING**
Analysis of cupola performance with various methods of water cooling. P. L. Khokhlov and others. I. st. protzv. no. 7:36-37 Ji '62.
- CUPOLA FURNACES—EQUIPMENT AND SUPPLIES**
Computer automatically controlling the charging of a cupola. O. M. Kryzhanovskii, V. I. Vrublovskii, R. N. Zhurilvii. Lit. protzv. no. 7:19-20 Ji '62.
Control of the cupola charging level. G. V. Gorbun'akii. Lit. protzv. no. 7:36 Ji '62.
- CURACAO—HISTORY**
On the Curacao Island, ... I. U. Averbakh. Znan. -sila 37 no. 12:40-51 D '62.
- CURRENTS**
Loshchihin, B. V. [Currents] Smorodina. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1961. 87 p. (DNAL)
- CURRENCY** see Money

CURVES

Aleksandrov, A. D., and V. A. Zalgaller. [Two-dimensional manifolds of bounded curvature; fundamentals of the internal geometry of surfaces] Dvumernye mnogo-obraznaya organicheskoi krivizny; osnovy vnutrennei geometrii poverkhnosti. Moskva, Izd-vo Akad. nauk SSSR, 1962. 262 p. (Akademiya nauk SSSR, Matematicheskii institut. Trudy, vol. 63)

Linear variation - the length of a curve. T. S. Latysheva. Izv. AN SSSR, Ser. mat. 27 no. 1:61-66 Ja-F '63.

CUTTING MACHINES

Bleed die for cutting washers. I. V. Zanis. Mashinostroitel' no. 1:26 Ja '63.

Device for cutting faces and removing edges. M. I. Karabanov, V. G. Nikitin. Mashinostroitel' no. 1:20 Ja '63.

A machine for cutting "asteid." G. D. Garkusha. Elek. i tepl. tiaga 7 no. 1:19 Ja '63.

On the kinematics of roller bits with displaced axes. A. A. Shamsiev, A. M. Abdul-Zade. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no. 4:131-137 '62.

Using the VMS-111 machine for cutting rolled materials. A. A. Bulakin. Mont. i spets. rab. v stroi. 25 no. 3:25 Mr '63.

CUTTING OF METALS see Metal cutting

CYANAMIDE

Reactions of cyanamide with aliphatic acid anhydrides. Part I. L. E. Kretov, A. P. Momenko. Zhur. ob. khim. 33 no. 2:397-398 F '63.

CYANINE DYES

Azacyanines. Part 3. A. I. Kiprianov, T. M. Verbovskaya. Zhur. ob. khim. 33 no. 2:470-483 F '63.

CYANOCOBALAMINE

Enrichment of fodder yeasts with vitamin B₁₂. N. I. Korotchenko. Gidroliz. i lesokhim. prom. 18 no. 1:11-12 '63.

Formation of vitamin B₁₂ by a culture of actinomyces griseus 15; preliminary report. A. I. Garkavenko, L. P. Koval'chuk. Izv. AN Mold. SSR no. 7:7-9 '62.

Joint participation of vitamin B₁₂ and folic acid in purine synthesis. L. A. Areshkina and others. Dokl. AN SSSR 148 no. 3:704-707 Ja '63.

CYBERNETICS

Brief review of the literature on bionics. Radio no. 3:18-20 Mr '63.

Comparative analysis of psychological regulation and automatic control [with summary in English, p. 184]. L. M. Vekker. Vop. filos. 17 no. 2:70-81 '63.

Gate circuits. E. I. Nechiporuk. Dokl. AN SSSR 148 no. 1:50-53 Ja '63.

Ikubaltis, E. A. [Principles of engineering cybernetics] Osnovy tekhnicheskoi kibernetiki. Riga, Izd-vo Akad. nauk Latvianskoi SSR, 1962. 286 p.

Is it a calculating machine? E. Saparina. Znan. sila 37 no. 12:34-37 D '62.

Logical scheme of an algorithm for computing a chain stochastic process [in Georgian with summary in English]. R. L. Skhirtladze. Trudy Inst. fiz. AN Gruz. SSR 8:295-311 '62.

A method for constructing an algorithm simulating a certain production process. I. S. Lashchenko, I. E. Maizlin. Dokl. AN SSSR 148 no. 3:538-540 Ja '63.

Self-servicing of particles. E. Moroz, M. Igorev. Znan. sila 37 no. 12:20-21 D '62.

Simulation of mental processes. V. M. Glushkov. Priroda 52 no. 2:13-13 '63.

Some remarks on a game played by a finite automaton against an opponent using a mixed strategy. M. L. Tsallin. Dokl. AN SSSR 148 no. 1:82-83 Mr '63.

Stranka, R. [Cybernetics] Kibernetika. Riga, Latvijas PSR zinatnu akad. izdevnieciba, 1962. 50 p. [in Latvian]

CYCLIC COMPOUNDS

Bis (β-chloroethyl) amines of bicyclic compounds. Part 6: 4- and 5-N-bis (β-chloroethyl) aminoindans. I. I. Kolodkina, K. V. Levehina, S. I. Sergievskaya. Zhur. ob. khim. 33 no. 2:469-474 F '63.

Syntheses of first allylic compounds. V. I. Kuznetsov, K. S. Vatulian. Trudy Inst. ist. ost. i tekhn. 30:212-221 '62.

CYCLODIALYSIS

Results of Heine's operation (cyclodialysis) in glaucoma. A. V. D'chenko. Zdrav. Kazakh. 22 no. 11:25-29 '62.

CYCLOHEPTANEDIONE

1,2-Cycloheptanedione dioxime as a reagent for the gravimetric and extraction-photometric determination of nickel in the presence of copper [with summary in English]. V. M. Peshkova, N. G. Ignatieva. Zhur. anal. khim. 17 no. 9:1086-1090 D '62.

CYCLOHEXANE

Absorption of allylbenzene and allylcyclohexane on a chromia catalyst. I. V. Smirnova, G. V. Karpukhina, K. V. Topchleva. Neftekhimika 3 no. 1:71-73 Ja-F '63.

Catalytic conversions of chlorocyclohexane. N. I. Shuikin, E. D. Tulupova, E. G. Ostapenko. Neftekhimika 3 no. 1:60-65 Ja-F '63.

Comparison of the reactivity of allylbenzene and allylcyclohexane during polymerization on a chromia catalyst. A. V. Topchlev, E. A. Mushina, A. I. Ferel'man. Neftekhimika 3 no. 1:74-81 Ja-F '63.

Isolating petroleum cyclohexane by means of crystalline thiourea [in Azerbaijan with summary in Russian]. I. I. Namazov, G. G. Ashumov. Azerb. neft. khoz. 41 no. 5:33-35 My '62.

Joint action of radiation and oxide catalysts on the dehydrogenation of cyclohexane. V. I. Vladimirova and others. Dokl. AN SSSR 148 no. 1:101-104 Ja '63.

CYCLOHEXANONE

Polarographic study of equilibria in the interaction of hydroxylamine and cyclohexanone oxime with formaldehyde in aqueous solutions [with summary in English]. I. A. I. Tur'lan, V. V. Smekalova. Zhur. anal. khim. 17 no. 9:1117-1119 D '62.

Reaction between 2-formylcyclohexanone cyclohexylamine and hydrogen peroxide. L. P. Vinogradova, S. I. Zav'yalov. Zhur. ob. khim. 33 no. 2:704 F '63.

CYCLOHEXANONE—ABSORPTION SPECTRA

Analysis of a mixture of methylcyclohexanone oximes by their infrared spectra. L. A. Levashova, G. A. Kurkchi. Neftekhimika 3 no. 1:108-113 Ja-F '63.

CYCLOHEXENE

Alkylation of cyclohexene by ethylene at elevated temperatures and pressures. N. M. Nazarov and others. Neftekhimika 3 no. 1:66-70 Ja-F '63.

CYCLOHEXYL GROUP

Synthesis and catalytic hydrogenation of 5-(1-hydroxycyclohexyl)-4,3-dimethyl-4-heptyn-3-ol and its acetates. A. I. Nogaideli, T. S. N. Vardosanidze. Zhur. ob. khim. 33 no. 2:370-381 F '63.

CYCLOHEXYLAMINE

Reaction between 2-formylcyclohexanone cyclohexylamine and hydrogen peroxide. L. P. Vinogradova, S. I. Zav'yalov. Zhur. ob. khim. 33 no. 2:704 F '63.

CYCLOPENTANE

Cyclopropanes and cyclobutanes. Part 26: Bromination of arylcyclopropanes. R. I. A. Levina, P. A. Gembitskii, E. G. Treshchova. Zhur. ob. khim. 33 no. 2:371-376 F '63.

Interconversions of cis and trans-1,2-dimethylcyclopentanes in the presence of platinum catalysts. A. L. Liberman and others. Dokl. AN SSSR 148 no. 3:591-594 Ja '63.

Isomerization of isopropenylcyclopropane and accompanying conversions of dienes on catalysts of acidic nature. L. Kh. Freidlin, V. Z. Sharf, M. A. Abdov. Neftekhimika 3 no. 1:28-34 Ja-F '63.

Polymerization of allylcyclopentane in the presence of the catalytic system TiCl₄+Al(iso-C₄H₉)₃. A. V. Topchlev, L. V. Ostrova, E. L. Fanteleva. Dokl. AN SSSR 147 no. 5:1098-1101 D '62.

Synthesis of 1,1,2-trimethyl-4-alkylcyclopentanes. R. I. A. Levina, K. S. Shanzarov, E. G. Treshchova. Neftekhimika 3 no. 1:3-8 Ja-F '63.

CYCLOPENTANONE

Preparation and properties of glass-reinforced plastics based on cyclopentanone-formaldehyde resins. I. V. Kamenskii, G. M. Tselidin. Plast. massy no. 1:20 '63.

CYCLOPROPYL GROUP

Cyclopropanes and cyclobutanes. Part 27: Cyclopropyl-alkylbenzenes. R. I. A. Levina and others. Zhur. ob. khim. 33 no. 2:359-365 F '63.

Some derivatives of bicyclo-(2,2,1)-heptane with a dichlorocyclopropyl group. A. F. Piate, O. A. Shcherbakova. Neftekhimika 3 no. 1:35-38 Ja-F '63.

CYCLOTRON

Methods for the extraction of a beam from a synchrocyclotron. I. U. I. A. Lembre. Usp. fiz. nauk 70 no. 2:345-367 F '63.

CYSTEINE

Role of the reactions of free cysteine with peroxide compounds in the biological effect of ionizing radiations. V. N. Benevolenski. Radiobiologia 3 no. 1:13-16 '63.

CYSTS

Case of a colomic cyst of the pericardium. K. A. Muzyka. Khim. khir. no. 11:86-87 N '62.

Colomic cysts of the pericardium. A. I. Rozno, A. I. Iakovlev. Vrach. delo no. 11:143-145 N '62.

Extrapulmonary bronchogenic cysts in children [with summary in English]. M. G. Vinner. Vest. khir. 80 no. 11:126-127 N '62.

Problems in the pathogenesis and clinical aspects of cystic astrocytomas of the cerebellum. D. G. Zhuchenko. Probl. sovr. neirokhir. 4:156-168 '62.

Torsional cyst of the omentum in a child. F. S. Dolgova. Vest. khir. 80 no. 11:144 N '62.

Torsional cyst of the omentum simulating strangulated hernia. G. S. Shklovskii. Vest. khir. 80 no. 11:143 N '62.

CYTODIAGNOSIS see Diagnosis, Cytologic

CYTOTOXIC DRUGS

Effect of fluorine derivatives of alkylamines on some biochemical blood indices. S. A. Papolov, S. G. Shukurlan, I. G. Demirchoglian. Vop. rent. i onk. 6:187-192 '61.

CZECHOSLOVAKIA—APARTMENT HOUSES

Large-scale housing construction in Czechoslovakia. M. Medvedev. Stroi. i arkhitekt. 10 no. 2:34-39 F '62.

CZECHOSLOVAKIA—ARTIFICIAL INSEMINATION

Studies and practices in artificial insemination of animals in Czechoslovakia. Josef Fuka, Josef Matoušek, Stanislav Novotny. Zhivotnovodstvo 23 no. 7:87-91 Ji '61.

CZECHOSLOVAKIA—BATHROOMS

Sanitary engineering unit. K. Novák. Na stroi. Ros. 3 no. 2:38-39 F '62.

CZECHOSLOVAKIA—BIBLIOGRAPHY

[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 11 '62.

CZECHOSLOVAKIA—BUILDING—DETAILS

Industrial methods for finishing operations. I. Makhnovskii. Zhil. i kom. khoz. 12 no. 8:30-31 Ag '62.

CZECHOSLOVAKIA—BUILDING—TOOLS AND IMPLEMENTS

Small equipment for finishing work in Czechoslovakia. P. S. Savinov. Zhil. stroi. no. 1:30-31 '63.

CZECHOSLOVAKIA—BUILDING MATERIALS

Plastics in housing construction. V. Adam. Na stroi. Ros. 3 no. 2:34-35 F '62.

CZECHOSLOVAKIA—COMMUNIST YOUTH

Work is the most important factor in the education of Communists. V. Vědra. Mol. komm. no. 5:104-111 '62.

CZECHOSLOVAKIA—CONSTRUCTION INDUSTRY

"Through cities of Czechoslovakia." Stroi. i arkhitekt. 10 no. 2:40 F '62.

CZECHOSLOVAKIA—CONVEYING MACHINERY

Belt conveyors. Mashinostroenie no. 6:111 N-D '62.

CZECHOSLOVAKIA—ECONOMIC POLICY

New problems in the cooperation of the socialist countries. Zdenek Fierlinger. Nov. vrem. 20 no. 12:3-5 Mr '63.

The 12th Congress of the Communist Party of Czechoslovakia. Komm. Mold. 7 no. 1:71-72 Ja '63.

CZECHOSLOVAKIA—FLOORS

Designs for floors made of new materials. K. Volný. Na stroi. Ros. 3 no. 2:36-38 F '62.

CZECHOSLOVAKIA—FOREIGN RELATIONS—ASIA, SOUTHEASTERN

Our trip to the Asian countries. Václav David. Nov. vrem. 20 no. 9:11 Mr '63.

CZECHOSLOVAKIA—GEOGRAPHY

Status and problems of geography in the Czechoslovak Socialist Republic. Miroslav Blazhek. Izv. AN SSSR. Ser. geog. no. 1:116-118 Ja-F '63.

CZECHOSLOVAKIA—GLASS MANUFACTURE

Production of glass for export in Czechoslovakia. L. I. A. Khorikova. Stek. i ker. 20 no. 2:41-42 F '63.

CZECHOSLOVAKIA—GRAIN—CLEANING

Czechoslovak grain-cleaning machines. G. Bardyshev. Muk. -elev. prom. 28 no. 11:31-32 N '62.

CZECHOSLOVAKIA—KITCHENS

Sanitary engineering unit. K. Novák. Na stroi. Ros. 3 no. 2:38-39 F '62.

CZECHOSLOVAKIA—MATHEMATICS—CONGRESSES

Conference on Differential Equations and their Applications held in Czechoslovakia; impressions of a participant in the Conference. V. V. Nemytskii. Usp. mat. nauk 18 no. 1:231-234 Ja-F '63.

CZECHOSLOVAKIA—MOTION PICTURES

Operation "Kalimantan"; review of a motion picture. M. Zalons. Az. i Afr. seg. no. 2:43 F '63.

CZECHOSLOVAKIA—PARACHUTING

One and two thousand jumps. A. Belousov. Kryi. rod. 13 no. 7:20 Ji '62.

CZECHOSLOVAKIA—PERFUSION PUMP (HEART)

Apparatus of Czech design for artificial blood circulation. I. Simkovic and others. Trudy Inst. eksp. i klin. khir. i gamat. AN Gruz. SSR 10:25-34 '62.

CZECHOSLOVAKIA—PLASTICS

Plastics in housing construction. V. Adam. Na stroi. Ros. 3 no. 2:34-35 F '62.

CZECHOSLOVAKIA—POLITICS AND GOVERNMENT

Komunistická strana Československa. Ústřední výbor. [Report of the Central Committee to the 12th Congress of the Communist Party of Czechoslovakia on party activity and principal trends of the further development of our socialist society, on December 4, 1962. Translated from the Czech] Otcelný doklad Třetího Komiteta XII s'ezdu Komunistické strany Československa o činnosti strany a hlavních směrech dalšího rozvoje našeho socialistického obhospodářství, 4. prosince 1962. [By] Antonín Novotný. Moskva, Gospolitizdat, 1963. 111 p. Legal status of the Presidium of the National Assembly of the Czechoslovak Socialist Republic. O. Svichkar'ov. Rad. pravo no. 1:115-119 Ja-F '63.

CZECHOSLOVAKIA—POPULAR FRONTS

"Premises and early history of the struggle of the Communist Party of Czechoslovakia for the popular front" [in Czech] by V. Mencl. Reviewed by G. P. Murashko. Vop. ist. KPSS 7 no. 2:135-137 F '63.

CZECHOSLOVAKIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

"The national liberation movement in Czechoslovakia, 1935-1945" by A. I. Nedorezov. Reviewed by S. Grachev. Voen. ist. zhur. vol. 5 no. 1:95-99 Ja '63.

DDT (INSECTICIDE)—TOXICOLOGY

Cases of poisoning of birds by poisonous chemicals at the fruit and berry stations of Siberia. M. A. Prokof'ev. Ornitologiya no. 5:322-323 '62. Toxicity of DDT to cattle. A. A. Alekseeva. Trudy Uz. nauch. -issl. inst. vet. 14:197-206 '61.

DAGHESTAN—MEDICINE, RURAL

Writing for the sake of formality only. I. I. Korabel'nikov. Sov. profsoyuzy 10 no. 3:10-11 F '63.

DAGHESTAN—ORE DEPOSITS

Bunin, G. G. [Ore potential and basic metallogenic characteristics of the mountain land in Daghestan] Rudonosost' i osnovnye cherty metallogeni gornogo Daghestana. Makhachkala, Akad. nauk SSSR, Dagestanskii filial, 1961. 60 p. (Akademiya nauk SSSR, Dagestanskii filial, Makhachkala. Geologicheskii institut. Trudy, vol. 3, no. 1)

DAIRY BARN

Concluded time rates and prices for the construction of milking platforms according to a herringbone arrangement. Tekh. v sel'khoz. 22 no. 12:84-88 D '62.

New forms of the organization of loose housing of cows on the "Rasvet" Collective Farm. I. P. Uliashkin. I. A. Chernomikhov. Zhivotnovodstvo 23 no. 6:12-17 Je '61.

Studying the characteristics of the use of multiple-row structures for cattle in the southeastern part of the country. A. T. Semenukha. Veterinariya 37 no. 11:75-78 N '60.

DAIRY BARN—CLEANING

A scraper system for manure removal. V. Nazimov, L. Penov, M. Fridman. Tekh. v sel'khoz. 22 no. 12:27-28 D '62.

DAIRY BARN—EQUIPMENT AND SUPPLIES

A milk measuring pail for checking the milk production of cows. A. Filippov. Tekh. v sel'khoz. 22 no. 12:28-29 D '62. Zabotin's school. Inform. biul. VDNKH no. 2:10-22 F '62.

DAIRY CATTLE

(see also subdivision under Latvia; Leningrad Province)

Free maintenance of dairy cows without stalls. N. M. Komarov, P. S. Gromykhin, A. I. Bellinov. Trudy VIEV 20:236-240 '62. [Pocket manual for the milkmaid] Karmannyi spravochnik doiariki. [Moskva] Mosk. rabochii, 1962. 110 p. (DNAL)

DAIRY CATTLE BREEDING

(see also subdivision under Hungary; Irkutsk Province; Lithuania)

The Committee on the Black and White cattle has begun its work. V. B. Veselovskii. Zhivotnovodstvo 23 no. 5:76-77 My '61.

Increasing the butterfat content in pure breeding. A. I. A. Popov, A. I. Pasechnik. Zhivotnovodstvo 23 no. 6:45-52 Je '61.

Inheritance of milk productivity in cattle. V. E. Nedova. Zhivotnovodstvo 23 no. 6:42-44 Je '61.

Some data on the nature of the inheritance of butterfat content in cattle. V. F. Denisov. Zhivotnovodstvo 23 no. 6:53-59 Ja '61.

DAIRY INDUSTRY see subdivision under Moscow Province

DAIRYING

(see also subdivision under Barguzin region; Bobruysk District; Moscow Province)

Specialization of farms for securing the supply of fresh milk to the population of large cities. I. I. Bakulin and others. Zhivotnovodstvo 23 no. 7:16-23 Ji '61.

DAIRYING—HYGIENIC ASPECTS

Conditions for the production of high-quality milk. B. N. Fedotov. Veterinariya 37 no. 11:73-75 N '60.

DAMPING (MECHANICS)

Methods of testing vibration dampers for passenger cars. B. I. Vishniakov, A. A. Estling. Sbor. trud. LIIZHT no. 183:89-94 '62.

DAMPING (MECHANICS)—EQUIPMENT AND SUPPLIES

Investigating the working fluids of vibration dampers. A. A. Mat'isev. Sbor. trud. LIIZHT no. 183:95-103 '62.

DAMPNESS IN BUILDINGS

Elimination of humidity in storage rooms (from "The Shoe and Leather News," no. 2374, 1961). K. M. Robinson. Kozh. -obuv. prom. 5 no. 1:40 Ja '63.

DAMS

(see also subdivision under Kakhovka Hydroelectric Power Station; Kandalaksha Bay)

Calculations for precast reinforced concrete cellular buttressed dams [with summary in English, p. 70]. B. I. Kaban, I. V. Montar. Visnyk ABIA USSR no. 3:12-15 '62.

Results of a year's operation of the bottom galleries of a concrete dam. G. D. Bogdanov. Gidr. stroit. 32 no. 9:25-28 S '62.

DAMS—CONGRESSES

Conference on the construction of arched dams. Gidr. stroit. 32 no. 9:41 S '62.

DAMS—DICTIONARIES

World Power Conference. U. S. S. R. National Committee. Tekhnicheskii slovar' po plotinam. Technical dictionary on dams. Moskva, Glav. red. inostr. nauchno-tekhn. slovarai Fizmatgiz, 1962. 379 p. [In 11 languages]

DANCING

(see also subdivision under Africa; Kazakhstan; Ukraine)

Creating a dream. N. Adrianova. Kul't.-pros. rab. 23 no. 9:16 S '62.

DANCING—BIBLIOGRAPHY see Bibliography—Dancing

DANGEROUS OCCUPATIONS see Occupations, Dangerous

DANILEVSKI, ALEKSANDR IAKOVLEVICH, 1838-1923 Letters of A. I. A. Danilevskii to A. M. Butlerov (1860-1871). A. N. Shamin, G. V. Bykov. Trudy Inst. ist. est. i tekhn. 39:286-303 '62.

DANILEV, KIRSIJA, fl. 18th century

Who was the author of the collection "Old Russian poetry." A. A. Gorelov. Rus. fol'k. 7:293-312 '62.

DANUBE DELTA—BIRDS IN WINTER

Wintering of water birds and some other birds in the Danube Delta in 1956-1959. G. Andone, S. Pashkovskii. Migr. zhiv. no. 3:118-125 '62.

DARKIAN, MONGOLIA—CITY PLANNING

There will be a new socialist city here. T. Bavudorzh, D. Endon. Sovr. Mong. 7 no. 10:8-7 O '62.

DARKLING BEETLES see subdivision under Tajikistan

DARVINSKII ZAPOVEDNIK see Darwin Preserve

DARWIN PRESERVE—PLANTS—CHEMICAL ANALYSIS

Radioactivity of plants in the Darwin State Preserve; data for 1958-1959. I. A. Poliakov and others. Trudy DGZ no. 7:147-173 '61.

DARWIN PRESERVE—PODZOL

Moisture evaporation from secondary turf-podzolic soils in the Darwin Preserve. S. A. Vidyachenski, L. V. Iakovleva, Liu Siao-i [Liu Hsiao-i]. Trudy DGZ no. 7:71-85 '61.

DARWIN PRESERVE—SOIL FERTILITY

Soils of fields and meadows in the Darwin Preserve. A. A. Uspenskaya, A. M. Leon'ev. Trudy DGZ no. 7:7-69 '61.

DARWIN PRESERVE—SOIL PERCOLATION

Using heavy water for determining the percolation coefficient of soils in the Darwin Preserve. I. A. Poliakov and others. Trudy DGZ no. 7:87-99 '61.

DARWIN PRESERVE—SOILS—ANALYSIS

Soils of fields and meadows in the Darwin Preserve. A. A. Uspenskaya, A. M. Leon'ev. Trudy DGZ no. 7:7-69 '61.

DAVIDENKOV, NIKOLAI NIKOLAEVICH, 1879-1962

N. N. Davidenkov; an obituary. Fiz. met. i metalloved. 14 no. 6:insert D '62.

Nikolai Nikolaevich Davidenkov. Zav. lab. 29 no. 1:101-102 '63.

Nikolai Nikolaevich Davidenkov; an obituary. Metalloved. i term. obr. met. no. 1:40 Ja '63.

DEAD RECKONING (NAVIGATION)

Accuracy of dead reckoning of a ship's course. A. A. Cheban. Inform. sbor. TSNIMF no. 66. Sudovozh. i aviaz' no. 17:25-37 '61.

DEATH—CAUSES

Case of death from primary pulmonary hypertension. O. S. Budiakov. Sud. -med. ekspert. 6 no. 1:48-50 Ja-Mr '63.

DEATH (BIOLOGY)

Agonal type respiration as reflected by electrograms of modula oblongata and the respiratory muscles. A. M. Gurvich. Dokl. AN SSSR 149 no. 3:716-718 Ja '63.

DEATH, APPARENT

Effect of a complex of pharmacological preparations on the course of an acute, open pneumothorax in the final stage and after the revivification of the animal. Sh. S. Machavariani. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:363-369 '62.

Electrochemical investigation of blood characteristics in cats during the agonal process from acute blood loss and subsequent reanimation [with summary in English]. T. R. Kus'mina. Vest. LGU 18 no. 3:109-114 '63.

Study of the changes in the volume of circulating blood during the final stages provoked by acute pneumothorax; an experimental study [in Georgian with summary in Russian]. Sh. S. Machavariani. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:331-335 '62.

DEATH NOTICES see Obituaries

DECCA NAVIGATION

Decca navigation system "Hi Fix," type A (from "Navigation" no. 31, 1960). Inform. sbor. TSNIMF no. 66. Sudovozh. i aviaz' no. 17:81-84 '61.

New trends in the development of phase radio navigation systems. V. I. Bykov. Inform. sbor. TSNIMF no. 66. Sudovozh. i aviaz' no. 17:3-9 '61.

DECEMBRISTS see subdivision under Siberia

DECORATION AND ORNAMENT, ARCHITECTURAL

Current developments in the decorative schemes of public buildings. Viktorin and Valentin Lebedev. Iskusstvo 25 no. 9:27-34 '62.

Manolat, E. S. [Monumental-decorative art] Monumental'no-dekorativnoye mystetstvo. Kiev, Derzh. vydvo obrazotvorchoho myslatstva i muzychnoi lit-ry URSR, 1961. 39 p. (Biblioteka z pytan' mystetstva)

Remarks on monumental art. V. Tolstol. Iskusstvo 25 no. 9:11-19 '62.

Some problems of synthesizing monumental art and architecture. I. A. Lukin. Sov. arkh. no. 14:111-120 '62.

DECORATIONS OF HONOR

Congratulations on your awards, comrades! Sov. pech. no. 8:39-48 Ag '62.

DEEP DRAWING (METALWORK)

Drawing of box-shaped parts. I. U. L. Poliakov, Kuz. -stam. prolzv. 5 no. 1:11-13 Ja '63.

Sverdlov, M. I., and I. A. Khavkin. [Determining the suitability of thin-sheet materials for deep drawing] K voprosy opredelenia prigodnosti tonkostoykh materialov k glubokoi vytlazhke. Leningrad, 1962. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Goriachala i kholodnala obrabotka metallov davleniem, no. 6)

DEEP-SEA DEPOSITS see subdivision under Arctic region

DEEP-SEA SOUNDING

Deep-water echo-sounder "Polius," I. U. A. Grobovnikov. Probl. Arkt. i Antarkt. no. 10:90-91 '62.

DEEP SEA TEMPERATURE—ATLANTIC OCEAN

Effect of deep Atlantic waters on the hydrological regime of the Laptev Sea. V. T. Tymofeyev. Probl. Arkt. i Antarkt. no. 10:27-32 '62.

DEER—DISEASES AND PESTS

Pathology of the hooves of deer which have survived foot and mouth disease. A. N. Smirnov. Trudy VIEV 26:26-29 '62.

DEER—FEEDING AND FEEDS see subdivision under Khoper Preserve

DEER HUNTING see subdivision under Mongolia

DEFENSE (CRIMINAL PROCEDURE)

Lay defenders in Soviet courts. V. Savitski. Sov. iust. no. 5:7-8 Mr '63.

Procedural role of defense counsels during the pretrial investigation of criminal offenses. E. Shelin. Sov. iust. no. 3:11-13 F '63.

DEFICIENCY DISEASES

Use of royal jelly preparation in lesion of the locomotor apparatus of children suffering from insufficient nutrition. V. V. Sudakova. Inform. biul. o mat. moloch. no. 3:59-61 '62.

DEFOLIATION

Removing foliage with the help of chemicals. K. E. Ovcharov. Shkola i prolzv. 6 no. 8:86-69 Ag '62.

DEFORMATION OF SURFACES see Surfaces, Deformation of

DEFORMATIONS (MECHANICS)

Anisotropy of the action of electron and gamma-irradiation on the deformation of zinc single crystals in the brittle state. O. A. Troitskii, V. I. Likhman, Dokl. AN SSSR 148 no. 2:332-334 Ja '63.

Apparatus for creep testing at high temperatures in a vacuum or in an inert medium. V. G. Govorkov, V. R. Regel', V. N. Glazunov, Zav. lab. 20 no. 3:376-378 '63.

Causes for the appearance of a drop of stresses on stress-strain curves of vitreous polymers [with summary in English]. V. R. Regel', Din Shu-shen' [Ting Shu-shen]. Vysokom. soed. 5 no. 2:259-261 F '63.

Effect of pulses on the development of initial cracks. G. P. Cherepanov, PMTF no. 1:97-103 Ja-F '63.

Effect of roll surface cuts on the degree of deformation in the temper rolling of strip. M. I. Bolarshtin, A. F. Pimenov, Izv. vys. ucheb. zav.; Chern. met. 6 no. 1: 89-98 '63.

Investigating strained and deformed conditions during rolling. Report No. 1. P. I. Polukhin, V. K. Vorontsov, G. G. Rutman, Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:58-66 '63.

Integrating equations for the plane deformation of a totally plastic body. V. I. Kolos, Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr., no. 1:171-173 Ja-F '63.

Inverse elastoplastic problem under plane deformation conditions. G. P. Cherepanov, Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr., no. 1:57-60 Ja-F '63.

Method of additional deformations in problems of the plasticity theory. I. A. Birger, Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr., no. 1:47-56 Ja-F '63.

Method of applying the precision dividing grids. N. A. Boredin, Zav. lab. 29 no. 1:90-98 '63.

Plane flow of a rigid-plastic medium in a well greased long channel. O. D. Grigor'ev, PMTF no. 1:115-117 Ja-F '63.

Plastic deformation during pressure butt welding. K. K. Khrenov, A. I. Shestakov, Svar. proizv. no. 1:11-12 Ja '63.

Plastic deformation in the total deformation of a sheet produced by rollers. B. I. A. Drulmanov, PMTF no. 1: 117-120 Ja-F '63.

Residual stress diagrams for contact and contact-shifting flow of surface plastic deformations. M. M. Kobrin, Vest. mashinostr. 43 no. 1:56-60 Ja '63.

Residual stresses following deformation at yield points. E. I. Bratnin, Fiz. met. i metalloved. 14 no. 6:940-943 D '62.

Role of the phenomena of hardening and recovery as well as grain size on the high speed effect in various areas of the deformation diagram. L. D. Sokolov, Fiz. met. i metalloved. 15 no. 1:109-112 Ja '63.

DEGENERATION, HEPATOLENTICULAR see Hepatolenticular degeneration

DEGTYARSK-PYRITES

Mina, A. Malkin, L. Ushchenko, Sov. Soiz. no. 3:34-37 '63.

DEHYDRATED MILK see Milk, Dried

DEHYDRATION (CHEMISTRY)

Catalytic dehydration of 3-methyl-1,3-butanediol. L. Kh. Freidlin and others, Neftekhimika 3 no. 1:104-107 Ja-F '63.

Derivatives of ceramide. Part II: Dehydration of 1,4-diarylaminoanthraquinones. N. I. Grinova, V. V. Puchkova, V. N. Ufimtsov, Zhur. ob. khim. 33 no. 2:597-600 F '63.

Preparation of C₈ - C₁₂ alcohols by catalytic dehydration of primary alcohols. L. Kh. Freidlin and others, Neftekhimika 3 no. 1:10-12 Ja-F '63.

DEHYDROGENASE

Dehydrogenase activity of tissues after a treatment with low temperatures and ionizing radiation. I. U. K. Leden-tsov, Radiobiologiya 3 no. 1:29-33 '63.

DEHYDROGENATION

Joint action of radiation and oxide catalysts on the dehydrogenation of cyclohexane. V. I. Vladimirova and others, Dokl. AN SSSR 148 no. 1:101-104 Ja '63.

Sensibilization of the photoreaction of alcohol dehydrogenation at 77° K studied by means of electron paramagnetic resonance. V. E. Kholmogorov, E. V. Baranov, A. N. Terenin, Dokl. AN SSSR 148 no. 1:142-145 Mr '63.

DELIIA-ANTIQUITIES

Chandragupta column, Igor' Mozheiko, Vokrug sveta no. 11:44-46 N '62.

DELIRIUM

Clinical characteristics of the course of periodic depressive delirium attacks in schizophrenia patients when treated with nozinan (levomepromazine) [with summary in English]. M. S. Zeleva, Trudy Gos. nauch.-issl. inst. psikh. 35:230-239 '62.

DELIVERY OF GOODS see subdivision under Lvov; Moscow; Semipalatinsk Province; Uzbekistan

DELIVERY OF GOODS (LAW)

Decisions of arbitration agencies, Rad. pravo no. 1:135-136 Ja-F '63.

Decisions of arbitration agencies, Sov. iust. no. 2:32 Ja '63.

Decisions of arbitration agencies, Sov. iust. no. 3:31 F '63.

Decisions of arbitration agencies, Sov. iust. no. 5:31-32 Mr '63.

Liability for the delivery of low-grade goods. IU. Kosmin, Rad. pravo no. 5:82-85 S-O '62.

Moscow, Vsesoyuznyi iuridicheskii nauchnyi institut, [Economic contracts] Khoziaistvennye dogovory; uchebno-metodicheskoe posobie, Otv. red. V. G. Verdnikov, Moskva, 1961. 66 p.

DEMEKHIN, ALEKSANDR PETROVICH, -1953

A. P. Demekhin; on the tenth anniversary of his death, Izv. AN Arm. SSR, Geol. i geog. nauch. 15 no. 6:73-75 '62.

DEMIDOV, PAVEL ALEKSANDROVICH

Secret of happiness, Pavel Il'ashenko, Raspr. pech. no. 12:16-17 D '62.

DEMOCRACY

The seamy side of bourgeois "democracy," Agitator no. 4:26-28 F '63.

DEMOGRAPHY

New books on the population of the U.S.S.R., I. Malyi, Vest. stat. no. 2:76-82 '63.

Two social systems and two laws of population ecology. I. Pisarev, Sots. trud 7 no. 6:24-32 Je '62.

DENAU DISTRICT—AGRICULTURAL ADMINISTRATION

The correct policy, I. Maylanov, Part. zhizn' [uzb.] 6 no. 1:91-95 Ja '63.

DENEZHNIK KAMEN'—DUNITE

Some metasomatic phenomena accompanying the formation of pyroxenite veins in dunites. A. A. Efimov, L. P. Ivanova, Dokl. AN SSSR 148 no. 2:427-430 Ja '63.

DENEZHNIK KAMEN'—PYROXENITE

Some metasomatic phenomena accompanying the formation of pyroxenite veins in dunites. A. A. Efimov, L. P. Ivanova, Dokl. AN SSSR 148 no. 2:427-430 Ja '63.

DENMARK—FOREIGN RELATIONS—RUSSIA

A. A. Gromyko in Scandinavia. Nov. vrem. 20 no. 11:2-3 Mr '63.

DENMARK—MOTION-PICTURE PLAYS

On the screens of the world. V. Matusevich, A. Vladimirov, Isk. kino 33 no. 1:142-143 '63.

DENMARK—RADIO—ANTENNAS

New mast transmitting antenna (from a pamphlet of the firm Dansk Radio Aktieselskab). Inform. sbor. TSNIMF no. 60, Sudovozh, i svlaz' no. 16:93-94 '61.

DENMARK—RADIO RELAY SYSTEMS

Marine command relaying equipment (from pamphlets published by the Danish firm Amplidan). Inform. sbor. TSNIMF no. 60, Sudovozh, i svlaz' no. 16:82-85 '61.

DENMARK—RADIOTELEPHONE

New UKV radiotelephone stations (from pamphlets of the firm Storno). Inform. sbor. TSNIMF no. 60, Sudovozh, i svlaz' no. 16:95-101 '61.

DENMARK—RELATIONS (GENERAL) WITH RUSSIA

Soviet-Danish agreement, P. V. Nov. vrem. 20 no. 10: 3 Mr '63.

DENMARK—SHIPBUILDING

Danish-built ships (from materials supplied by the firm Burmeister and Wain). Sudostroenie 29 no. 2:76-77 F '63.

DENMARK—SWINE—FEEDING AND FEEDS

Organization and technique of controlled fattening of swine in Denmark. M. I. A. Krasnov, Zhivotnovodstvo 23 no. 8:85-91 Ag '61.

DENOMINATIONS, RELIGIOUS see Sects

DENTAL PROSTHESES

Bojanov, B., and T. Khristozov, [Microprosthesis, Translated from the Bulgarian] Mikroprotezirovane. Pod red. V. I. Kurliandskogo. Sofia, Meditsina i fizkul'tura, 1962. 269 p.

Methods of research to determine norms for the population's needs of dental prosthesis aid. G. V. Bazian, Zdrav. Ros. Feder. 7 no. 1:36-38 Ja '63.

DEPARTMENT STORES

(see also subdivision under Leningrad)

Department stores should have progressive forms of trade. V. Vinogradov, A. Shirokov, Sov. torg. 38 no. 10:10-15 O '62.

Standard design of a department store. A. Lezhchinskii, G. Turuk, Sov. torg. 38 no. 9:56-60 S '62.

DEPOLARIZATION (ELECTRICITY)

Degree of depolarization of VO lines in some systems. A. V. Bobrov, E. V. Sobolev, Zhur. strukt. khim. 4 no. 1:108-110 Ja-F '63.

DEPRESSION, MENTAL

Indications of the use of amizil in depressive states of different nature [with summary in English]. I. V. Dmitrieva, Trudy Gos. nauch.-issl. inst. psikh. 35: 288-296 '62.

Pharmacotherapy in depressive states [with summary in English]. T. N. Morozova, Trudy Gos. nauch.-issl. inst. psikh. 35:210-219 '62.

DERMATOGLYPHICS

Phenomena of symmetry and asymmetry in the dermatoglyphic characteristics of man. T. D. Gladkova, Vop. antr. no. 10:44-54 '62.

DERMATOMYCOSIS

There is also a fungus like this... IU. Shlekhina, Sov. profsoyuz 19 no. 5:30 Mr '63.

DERZHAVIN, GAVRIL ROMANOVICH, 1745-1816

Folklore motives in G. R. Derzhavin's poetry of the years around 1800. G. N. Ionin, Rus. fol'k. 7:52-66 '62.

DESCRIPTIVE GEOMETRY see Geometry, Descriptive

DESERT FLORA

(see also subdivision under Issyk-Kul' region)

Lavrenko, E. M. [Basic characteristics of the botanical geography of the deserts of Eurasia and North Africa] Osnovnye cherty botanicheskoi geografii pustyn' Evrazii i Severnoi Afriki. Moskva, Izd-vo Akad. nauk SSSR, 1962. 187 p. (Komarovskie chteniia, no. 15)

DESERTS see subdivision under Soviet Central Asia

DESIGN, DECORATIVE—ANIMAL FORMS

Graphic illustration of two Novgorod manuscript books from the 14th century [with summary in English]. Z. V. Il'ina, Vest. LGU 18 no. 2:61-70 '63.

DESMANS

(see also subdivision under Kursk Province; Tomsk Province)

Structure of respiratory tracts and their adaptive characteristics in the Russian desman. E. I. Ivanova, Trudy Khop. gos. zap. no. 5:173-180 '61.

DESOXYRIBONUCLEIC ACID see Nucleic acids

DESULFURATION

Kinetics and mechanism of desulfurizing slag of the system $\text{CaO} - \text{SiO}_2 - \text{Al}_2\text{O}_3$ in vacuum. V. A. Grigor'ian, IU. A. Minneev, Izv. vys. ucheb. zav.; Chern. met. 8 no. 1:22-28 '63.

DETENTION CAMPS see Concentration camps

DETERMINATIVE MINERALOGY see Mineralogy, Determinative

DETONATION

Calculation of the parameters of detonation waves from condensed explosives. V. N. Zubarev, G. S. Telegin, Dokl. AN SSSR 147 no. 5:1122-1125 D '62.

The mechanism underlying detonations of liquid explosives. A. N. Dromin, O. K. Rozanov, V. S. Trofimov, PMTF no. 1:130-132 Ja-F '63.

Some properties of fast cumulative jets. N. P. Novikov, PMTF no. 1:3-13 Ja-F '63.

Sympathetic detonation. A. I. Apin and others, Dokl. AN SSSR 147 no. 5:1141-1143 D '62.

DETONATORS

Quality of electric detonators. V. G. Vengerov, Vzryv. rub. no. 3:138-143 '66.

DETONATORS—SAFETY MEASURES

Premature explosions of electric detonators by stray currents and means for their prevention. M. I. Ozernoi, Bezop. truda v prom. 7 no. 1:22-25 Ja '63.

DEUTERIUM OXIDE

Translocation of heavy water in plants. IU. A. Poliakov, N. S. Germogenova, Trudy DZG no. 7:137-145 '61.

Using heavy water for determining the percolation coefficient of soils in the Darwin Preserve. IU. A. Poliakov and others, Trudy DZG no. 7:87-90 '61.

DEUTERONS

Deuteron disruption on non-axial nuclei. V. K. Luk'ina, Vest. Mosk. un. Ser. 3, Fiz., astron. 17 no. 2: 74-79 Mr-Apr '62.

DEUTERONS—SCATTERING

Angular distribution of deuterons inelastically scattered on Mg^{24} nuclei with excitation of the 4^+ -level (4.12 MeV) [with summary in English]. T. I. Kopaleishvili, I. G. Ratishvili, Trudy Inst. fiz. AN Gruz. SSR 8:197-202 '62.

Polarization arising in the elastic scattering of fast deuterons on protons and nucleon-nucleon interaction [with summary in English]. S. Matinian, O. Chelishvili, Trudy Inst. fiz. AN Gruz. SSR 8:95-101 '62.

DIESEL FUELS (Continued)

- Performance characteristics of winter diesel oil from eastern sulfur-bearing crudes. N. G. Puchkov and others. Khim. i tekhn. topl. i masel. 8 no. 1:58-63 Ja '63.
- Production of low pour point diesel fuels from Fergana oils by the method of carbamide dewaxing. V. V. Usachev, P. P. Dmitriev, S. I. Geifen. Uzb. khim. zhur. 6 no. 6:87-78 '62.
- Study of the operation of the ChN24/27 engine operating on heavy DT2 fuel. M. K. Gavrilenko. Teplovoz. i sud. dvig. no. 3:254-263 '62.

DIESEL LOCOMOTIVES

- Calculational and experimental determination of reserves for increasing the efficiency of the 16ChN24/27 diesel engine. N. K. Shokotov. Teplovoz. i sud. dvig. no. 3: 102-124 '62.
- Casting of diesel locomotive cylinder sleeves. V. P. Mokin. Lit. proizv. no. 7:11-12 Ji '62.
- Chrome and zinc plating of diesel locomotive parts. A. L. Katsai. Elek. i topl. tiaga 7 no. 2:4-7 F '63.
- Excitation of the main generator by a storage battery. N. V. Belkin. Elek. i topl. tiaga 7 no. 1:36-37 Ja '63.
- Filtering of the air cooling the main generators of diesel locomotives. K. I. Rudala, V. D. Kuz'mich. Trudy MII no. 151:171-175 '62.
- Improvement of the TE3 diesel locomotive. A. S. Bol'shakov. Elek. i topl. tiaga 7 no. 1:33-35 Ja '63.
- Improvement of the TE3 diesel locomotive. A. S. Bol'shakov. Elek. i topl. tiaga 7 no. 2:34-36 F '63.
- Investigating the smooth regulation of the magnetic flux of the electric traction engines of diesel locomotives. G. M. Kovner, I. P. Borodulin, E. V. Lisitsyn. Trudy MII no. 151:153-170 '62.

Komarovskaya, A. S. [Characteristics of the operation of narrow-gauge logging railroads with diesel locomotive traction] Osobennosti ekspluatatsii lesovoznykh uzko-koleinykh zheleznitsykh dorog pri teplovoznol'tage. Moskva, Goslesbumizdat, 1962. 86 p.

- Methods for increasing the efficiency of diesel locomotive engines: mechanical and effective efficiency. N. M. Glagolev. Teplovoz. i sud. dvig. no. 3:6-31 '62.
- Muffler system of the 2D100 diesel locomotive with efficient cooling. A. E. Naimenko. Elek. i topl. tiaga 7 no. 2:16-17 F '63.

A new 6D100 diesel locomotive engine. B. N. Strunze, A. F. Zhebrovskii. Teplovoz. i sud. dvig. no. 3:125-131 '62.

Principal prerequisites for developing the design of the pistons of the 2D100 diesel locomotive engine. A. A. Voronkin, G. I. Krushchinskii. Teplovoz. i sud. dvig. no. 3:132-138 '62.

- Repair of a preheater boiler of the TU2 diesel locomotive. N. F. Onshin. Elek. i topl. tiaga 7 no. 2:7 F '63.
- Replies to the inquiries of our readers. G. N. Zaytsev and others. Elek. i topl. tiaga 7 no. 1:43-44 Ja '63.
- Restoration of tension in the bushings of the bearings of a diesel engine. N. K. Babakov, I. G. Kokoshinskii. Elek. i topl. tiaga 7 no. 1:20-21 Ja '63.
- Rheostatic tests constitute an important factor in striving for diesel fuel economy. A. A. Bogatov. Elek. i topl. tiaga 6 no. 12:12 D '62.

Selecting the type of air filter for powerful diesel and gas-turbine locomotives. V. D. Kuz'mich. Trudy MII no. 151:102-111 '62.

- Some results of testing an experimental cutoff of the ChN24/27 engine with a high-temperature cooling system. V. N. Polakov. Teplovoz. i sud. dvig. no. 3: 229-245 '62.
- Some results of the previous year and our current objectives. P. G. Muratov. Elek. i topl. tiaga 7 no. 1: 1-5 Ja '63.

Special features of the operation and prospects of developing a four-cycle diesel locomotive engine utilizing the excess power of the gas turbine. N. I. Tsvetkova. Teplovoz. i sud. dvig. no. 3:87-95 '62.

Study of the heat emission of diesel locomotive engines by means of the indicator diagrams. Z. Z. Mata. Teplovoz. i sud. dvig. no. 3:65-83 '62.

Study of the stresses in the pistons of the 2D100 diesel engine. I. P. Vlasenko, R. M. Sukhomlinov. Teplovoz. i sud. dvig. no. 3:138-163 '62.

Studying the performance of contactless regulators. K. I. Rudala, A. M. Kostromin, E. V. Lisitsyn. Trudy MII no. 151:136-152 '62.

TGM10 diesel switching locomotive. V. V. Luzhetski. Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:73-75 '63.

Ventilation of diesel locomotive generators. V. D. Kuz'mich. Trudy MII no. 151:176-192 '62.

DIESEL LOCOMOTIVES—BIBLIOGRAPHY see Bibliography—Diesel Locomotives

DIESEL LOCOMOTIVES—COOLING

- Cooling system of the TEP60 main line diesel locomotive. M. S. Malinov, E. B. Chertok. Elek. i topl. tiaga 7 no. 2:28-30 F '63.
- Heat transfer through ribbed pipes. N. I. Panov, A. P. Tret'yakov, N. I. Korolev. Trudy MII no. 151:42-60 '62.

Investigating the heat transfer of single flat ribbed pipes depending on the parameters of ribbing. N. I. Panov, A. P. Tret'yakov, N. I. Korolev. Trudy MII no. 151: 29-41 '62.

Investigating the heat transfer of the single pipes of diesel locomotive coolers. N. I. Panov, A. P. Tret'yakov, N. I. Milai. Trudy MII no. 151:4-28 '62.

Selecting the run of pipes of a diesel locomotive radiator. N. I. Panov, A. P. Tret'yakov. Trudy MII no. 151:81-84 '62.

Study of the corrosive properties of magnetically treated water. M. B. Radvinskii, A. P. Martynova. Elek. i topl. tiaga 6 no. 12:37-38 D '62.

Studying the cooling system of the TGM diesel locomotive. N. I. Panov and others. Trudy MII no. 151:65-74 '62.

DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

Control of Sh1-Sh6 contactors operating with damaged switching relay. V. F. Doroshenko. Elek. i topl. tiaga 7 no. 2:38 F '63.

DIESEL LOCOMOTIVES—EQUIPMENT AND SUPPLIES

Variable supports of the fuel pumps of 2D100 diesel engines. A. V. Kormushin. Elek. i topl. tiaga 7 no. 1:18-19 Ja '63.

DIESEL LOCOMOTIVES—HEATING AND VENTILATION

Improvement of the cab heating system in a diesel locomotive. E. D. Broner. Elek. i topl. tiaga 6 no. 12:18-19 D '62.

DIESEL LOCOMOTIVES—HYDRAULIC DRIVE

Problems in the analysis and synthesis of the hydrodynamic transmissions of diesel locomotives. A. S. Gordeev. Trudy MII no. 150:87-102 '62.

DIESEL LOCOMOTIVES—HYDRAULIC EQUIPMENT

A composite regulator with an electro-hydraulic system for control of rotations. I. M. Nevelev, A. S. Serebriiskii. Teplovoz. i sud. dvig. no. 3:184-205 '62.

DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

Abdallan, P. G., and I. A. Khromchenko. [Unit-method repair of the TE1, TEM1, TE2 diesel locomotives] Agregatnyi metod remonta teplovoznov TE1, TEM1, TE2; opyt depa Likhobory Moskovskol. dorogi. Moskva, Transzheldorizdat, 1962. 87 p.

Achievement of coaxiality between diesel and generator shafts in the repair of diesel locomotives. I. R. Aliev. Elek. i topl. tiaga 6 no. 12:15-17 D '62.

Change in the lead-in of wires to the VP9 rectifier. G. P. Galochkin. Elek. i topl. tiaga 6 no. 12:27 D '62.

We have improved the disassembling operations of diesel locomotive axle box roller bearings. V. S. Savichev. Elek. i topl. tiaga 7 no. 2:16 F '63.

DIESEL LOCOMOTIVES—TESTING

Method for testing certain electric relays of the TE3 diesel locomotive. F. I. Butenko. Elek. i topl. tiaga 6 no. 12:32 D '62.

One year of work on the 2TE10 diesel locomotive has shown that rugged test runs are the best operational indices of a new locomotive. I. U. G. Kosov. Elek. i topl. tiaga 6 no. 12:24 D '62.

DIET—CONGRESSES

Results of the third International Dietology Congress. A. M. Nogaller. Sov. med. 26 no. 12:121-123 D '62.

DIFFERENTIAL DIAGNOSIS see Diagnosis, Differential

DIFFERENCE EQUATIONS

A difference method for calculating shock waves. V. F. Kurpatenko. Zhur. vych. mat. i mat. fiz. 3 no. 1:201-204 Ja-F '63.

High-accuracy uniform difference schemes on nonuniform nets. A. N. Tikhonov, A. A. Samarskii. Zhur. vych. mat. i mat. fiz. 3 no. 1:99-108 Ja-F '63.

Multiparameter families of difference equations for numerical integration of equations of unsteady diffusion. V. K. Saulev. Zhur. vych. mat. i mat. fiz. 3 no. 1:198-201 Ja-F '63.

Stability of certain computer algorithms for inverting regular difference equations. A. V. Ivanov. Dokl. AN SSSR 148 no. 1:28-31 Ja '63.

DIFFERENTIAL EQUATIONS

Analytical design of systems for the reproduction of a useful signal in the presence of noise [with summary in English]. A. G. Zaitsev. Avtom. i telem. 24 no. 2: 143-150 F '63.

Approximate solution of ordinary differential equations by linearization [with summary in English]. S. F. Shushurin. Vest. Mosk. un. Ser. 1:Mat., mekh. no. 6:3-8 N-D '62.

Asymptotic behavior of fast revolutions. N. N. Moiseev. Zhur. vych. mat. i mat. fiz. 3 no. 1:145-158 Ja-F '63.

Asymptotic estimates of the error in methods of the Runge-Kutta type. A. N. Tikhonov, A. D. Gorbunov. Zhur. vych. mat. i mat. fiz. 3 no. 1:195-197 Ja-F '63.

A boundary value problem for a second-order differential equation. I. U. A. Klekov. Sib. mat. zhur. 4 no. 1:86-90 Ja-F '63.

A boundary value problem for a Thomas-Fermi-Dirac equation. R. I. Anisichenko. Sib. mat. zhur. 4 no. 1: 3-16 Ja-F '63.

Cauchy problem for small-parameter parabolic equations. E. K. Isakova. Dokl. AN SSSR 148 no. 2:271-273 Ja '63.

Concerning V. N. Iakovlev's article, "Use of a slowly varying parameters technique in studying nonlinear self-oscillatory systems with delay." A. D. Gladun, P. A. Perepeliatnik, V. V. Migulin. Radiotekh. i elektron. 8 no. 2:355-357 F '63.

Conference on Differential Equations and their Applications held in Czechoslovakia; impressions of a participant in the Conference. V. V. Nemyski. Usp. mat. nauk 18 no. 1:231-234 Ja-F '63.

Construction of discontinuous solutions of systems of quasi-linear equations. Part 2. B. L. Rozhdenski. Zhur. vych. mat. i mat. fiz. 3 no. 1:79-88 Ja-F '63.

Continuous dependence on the initial data of the solution to the first boundary value problem for a parabolic equation with negative time. R. I. A. Glagoleva. Dokl. AN SSSR 148 no. 1:20-23 Ja '63.

Criterion of the solvability of a Dirichlet problem for elliptic equations. S. I. Khudiae. Dokl. AN SSSR 148 no. 1:44-46 Ja '63.

Differential properties of solutions to certain differential equations of higher order. I. A. S. Bugrov. Dokl. AN SSSR 148 no. 2:289-291 Ja '63.

Dirichlet problem for an equation containing the Monge-Ampere operator. I. A. Bakel'man, I. A. Guberman. Dokl. AN SSSR 148 no. 2:247-250 Ja '63.

Estimates in L_p spaces of solutions to elliptic equations with discontinuous coefficients satisfying general boundary conditions and conjugation conditions. Z. G. Sheftel. Dokl. AN SSSR 148 no. 1:48-51 Mr '63.

Generalized Cauchy formula for axially symmetric fields. I. I. Daniluk. Sib. mat. zhur. 4 no. 1:48-55 Ja-F '63.

Heat conduction equations for plates of variable thickness [with summary in English]. I. A. S. Pidstrygach, V. M. Hembars. Dop. AN URSSR no. 12:1587-1590 '62.

An interpretation of the Trefftz method. A. O. Stognii. Zbir. prats' z obchys. mat. i tekhn. 1:68-77 '61.

Involutions transformations and the method of successive approximations for elliptic equations. A. I. Komhelev. Dokl. AN SSSR 148 no. 2:274-276 Ja '63.

"The laminar boundary layer equations" [in English] by N. Curle. Reviewed by I. U. N. Pavlovskii. Zhur. vych. mat. i mat. fiz. 3 no. 1:207-208 Ja-F '63.

Multiparameter families of difference equations for numerical integration of equations of unsteady diffusion. V. K. Saulev. Zhur. vych. mat. i mat. fiz. 3 no. 1:198-201 Ja-F '63.

On certain nonlinear problems having several solutions. M. A. Krasnosel'skii, V. I. A. Stetsenko. Sib. mat. zhur. 4 no. 1:120-137 Ja-F '63.

On infinite groups of mappings given by differential equations. L. V. Ovsianikov. Dokl. AN SSSR 148 no. 1:36-39 Ja '63.

On resonance in an essentially nonlinear system. F. L. Chernous'ko. Zhur. vych. mat. i mat. fiz. 3 no. 1:131-144 Ja-F '63.

On the stability of solutions to differential operator equations with delayed arguments for perturbations bounded in the mean. L. Kh. Liberman. Sib. mat. zhur. 4 no. 1:139-144 Ja-F '63.

On the stability of solutions to systems of differential equations with small coefficients at the derivatives. B. S. Razumikhin. Sib. mat. zhur. 4 no. 1:206-211 Ja-F '63.

On the transcendence and algebraic independence of certain E-functions [with summary in English]. V. A. Oleinikov. Vest. Mosk. un. Ser. 1:Mat., mekh. no. 6:34-38 N-D '62.

Origination of periodic motion out of equilibrium state on a discontinuity surface [with summary in English]. I. U. I. Nelmark, S. D. Kiriapin. Izv. vyz. ucheb. zav.; radiofiz. 5 no. 6:1196-1205 '62.

Periodical solutions to differential operator equations with a small parameter in the term containing the derivative. I. U. O. Borisovich. Dokl. AN SSSR 148 no. 2:255-258 Ja '63.

The problem of qualitative analysis in the large by methods of Liapunov's function [with summary in English]. Vest. Mosk. un. Ser. 1:Mat., mekh. no. 6: 26-27 N-D '62.

Reduction of a system of ordinary differential equations of even order to I. S. Arzhanikh's canonical system in the case of an even number of integrals. A. U. Karimov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 6:32-36 '62.

Relation between small variations in a system of differential equations and the corresponding point mapping. I. U. I. Nelmark. Dokl. AN SSSR 148 no. 2:281-283 Ja '63.

Removal of singularities in solving boundary value problems for a Laplace equation in a region with a smooth boundary. E. A. Volkov. Zhur. vych. mat. i mat. fiz. 3 no. 1:109-119 Ja-F '63.

Small periodical perturbations of a rough autonomous system. L. N. Belustina. Dokl. AN SSSR 148 no. 2: 251-254 Ja '63.

Solution of a class of second-order differential equations [with summary in English]. O. V. Kuzhel'. Dop. AN URSSR no. 12:1539-1541 '62.

Some existence and uniqueness theorems for differential equations with delayed argument [with summary in English]. V. I. Fodchuk. Dop. AN URSSR no. 12:1541-1545 '62.

DIFFERENTIAL EQUATIONS (Continued)

Some theorems on the stabilization of the solution to Cauchy's problem for parabolic equations. V. D. Repnikov. Dokl. AN SSSR 148 no. 3:527-530 Ja '63.

Some types of calculations in the theory of nonlinear oscillations connected with the method of concomitant variations. V. M. Molotov. Zhur. vych. mat. i mat. fiz. 3 no. 1:3-53 Ja-F '63.

Study of the stability of the solution of a quasi-stationary system of linear differential equations with nearly periodic coefficients [with summary in English]. K. G. Valeev. Izv. vyz. ucheb. zav. radiofiz. 5 no. 6:1205-1210 '62.

Systems of differential equations with constant coefficients. V. P. Palamodov. Dokl. AN SSSR 148 no. 3:523-526 Ja '63.

A theorem on three spheres. E. M. Landis. Dokl. AN SSSR 148 no. 2:277-279 Ja '63.

Theorems on intermediate values and boundary value problem for a nonlinear second-order differential equation. O. A. Kamenskii. Mat. sbor. 60 no. 1:3-16 Ja '63.

Use of Fourier's method in solving a one-dimensional mixed problem for quasi-linear hyperbolic second-order equations. A. I. Guseinov, K. I. Khudavardiev. Dokl. AN SSSR 148 no. 3:486-489 Ja '63.

Use of grid resistors in electric modeling of the solution to a system of differential equations describing heat and mass transfer [with summary in English]. L. A. Kozdoba. Inzh.-fiz. zhur. 6 no. 2:69-74 F '63.

DIFFERENTIAL EQUATIONS—NUMERICAL SOLUTIONS

On a problem of S. L. Sobolev. T. I. Zeleniak. Dokl. AN SSSR 147 no. 5:1017-1019 D '62.

A solution to the classical problem of oscillations. M. I. El'shin. Dokl. AN SSSR 147 no. 5:1013-1016 D '62.

DIFFERENTIAL EQUATIONS, LINEAR

Boundary value problem for linear and quasi-linear parabolic equations and systems. O. A. Ladyzhenskaya, N. N. Ural'tseva. Izv. AN SSSR, Ser. mat. 27 no. 1:161-240 Ja-F '63.

Estimation of the solutions to a system of linear differential equations. N. P. Kuptsov. Usp. mat. nauk 18 no. 1:159-164 Ja-F '63.

Some problems bearing on the oscillation of solutions to linear differential equations. A. I. Levin. Dokl. AN SSSR 148 no. 3:512-515 Ja '63.

Uniform distribution of points on a sphere and some ergodic properties of solutions to linear ordinary differential equations in the complex region. V. I. Arnold, A. L. Krylov. Dokl. AN SSSR 148 no. 1:9-12 Ja '63.

DIFFERENTIAL EQUATIONS, PARTIAL

First boundary value problem for an elliptic equation with singular coefficients. L. G. Mikhailov. Dokl. AN Tadzh. SSR 3 no. 5:3-8 '60.

International Colloquium on Partial Differential Equations held in Paris. O. A. Oleinik. Usp. mat. nauk 18 no. 1:217-230 Ja-F '63.

Some problems in the qualitative theory of second-order elliptic equations (case of several independent variables). E. M. Landis. Usp. mat. nauk 18 no. 1:3-62 Ja-F '63.

DIFRACTION

A three-dimensional problem of diffraction on a prism. V. A. Borovikov. Dokl. AN SSSR 148 no. 3:545-548 Ja '63.

DIFFUSION

Characteristic of the self-diffusion of iron depending on its cerium content. A. P. Liubchenko, D. G. Shorman, G. S. Kuz'minov. Fiz. met. i metalloved. 15 no. 1:158-160 Ja '63.

Determining the specific surface area of highly dispersed powders by the method of rarefied gas diffusion. G. S. Khodakov. Dokl. AN SSSR 148 no. 3:581-584 Ja '63.

Possible application of the gamma spectrum method to investigate processes of simultaneous diffusion of two components. P. V. Pavlov, V. A. Uskov. Fiz. met. i metalloved. 15 no. 1:105-108 Ja '63.

Mechanism of the diffusion of impurities in germanium. S. M. Kletman, A. N. Timofeev, I. Sh. Trakhtenberg. Fiz. met. i metalloved. 14 no. 6:925-927 D '62.

Microdefects in diffusion layers of iron alloys. M. A. Krishal. Izv. vyz. ucheb. zav. chern. met. 6 no. 1:111-118 '63.

Multiparameter families of difference equations for numerical integration of equations of unsteady diffusion. V. K. Saul'ev. Zhur. vych. mat. i mat. fiz. 3 no. 1:108-201 Ja-F '63.

Self-diffusion of nickel. A. I. A. Shniaev. Fiz. met. i metalloved. 15 no. 1:100-104 Ja '63.

Symmetric stationary problem of isothermal gas diffusion. V. A. Malyshev. Zhur. tekhn. fiz. 32 no. 12:1482-1483 D '62.

Theory of diffusion in ordered Au-Cu alloys [with summary in English]. Z. A. Matysina. Ukr. fiz. zhur. 8 no. 2:100-105 F '63.

Theory of the diffusion of interstitial atoms in ordered alloys of the CuPt type [with summary in English]. M. I. Dekhtiar. Ukr. fiz. zhur. 8 no. 2:183-190 F '63.

DIFFUSION COATINGS

Constitutional diagram of the system Nb - Sn. V. S. Kogan and others. Fiz. met. i metalloved. 15 no. 1:143-145 Ja '63.

DIFFUSION COATINGS—ELECTRIC PROPERTIES

Characteristic of the kinetics of diffusion processes. A. I. Bykhovskii. Fiz. met. i metalloved. 15 no. 1:95-99 Ja '63.

DIGESTERS (CHEMICAL ENGINEERING) see Autoclaves

DIGESTION

Digestibility of proteins accompanying lignin in forage plants. M. A. Ter-Karapetian, A. M. Ogandzhanian. Izv. AN Arm. SSR, Biol. nauki 15 no. 8:21-32 Ag '62.

Parietal digestion in a chicken intestine. V. V. Li. Fiziol. zhur. 48 no. 12:1484-1487 D '62.

Studying digestive leucocytosis. A. Bereznev and others. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:147-149 '62.

Studying the resistance of erythrocytes during digestive leucocytosis. A. Kubarov and others. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:151-154 '62.

Use of royal jelly preparation in chronic digestive disorders in children. E. M. Fateeva, N. I. Roshal'. Inform. biol. o mat. moloch. no. 3:43-49 '62.

Use of royal jelly preparation in digestive disorders in nursing infants. N. N. Il'fash. Inform. biol. o mat. moloch. no. 3:50-53 '62.

DIGESTIVE ORGANS—SURGERY

Treatment of stases in an antethoracically displaced stomach. A. S. Lur'e. Klin. khir. no. 11:81 N '62.

DIMEDROL—TOXICOLOGY

Dimedrol poisoning. P. M. Liashchuk. Vrach. delo no. 11:143 N '62.

DIMENSIONAL ANALYSIS

Use of the method of similitude and dimension in an analysis of the macrostructure of meteorological fields. St. Panchev. Izv. AN SSSR, Ser. geofiz. no. 10:1416-1424 O '62.

DIMITROV, GEORGI, 1882-1949

G. M. Dimitrov's articles and speeches in defense of the labor movement in the Balkan Peninsula, 1928. V. M. Endakova, E. V. Gohueva. Vop. ist. KPSS 7 no. 1:90-92 Ja '63.

Sokhan', P. S. [Ardent revolutionary; Georgi Dimitrov's life and revolutionary work] Plamennyi revoliutsioner; zhizn' i revoliutsionnaia delatel'nost' Georgija Dimitrova. Kiev, Izd-vo Akad. nauk USSR, 1962. 214 p.

DINARIC RACE—CRANIOLOGY

Brachycephaly in Greece and the problem of "dinarization." A. N. Pulliano. Vop. antr. no. 10:115-122 '62.

DIODES

Device for measuring the filament voltage of high-voltage klotrons. E. Sorvin, A. Shigin. Radio no. 2:39-40 F '63.

DIOPHANTINE ANALYSIS

Linear diophantine approximations. B. Karimov. Dokl. AN SSSR 148 no. 3:504 Ja '63.

DIOXANE

Bromination by dibromodioxane. Part 3: Effect of a substituent in a ring and in a phenol hydroxyl group on the rate of bromination. V. S. Karpinski, V. D. Lashenko. Zhur. ob. khim. 33 no. 2:606-609 F '63.

DIPHENIC ACID

Derivatives of 2,2'-diphenic acid. Part 2: Substituted monoamides and monoaryl esters of 2,2'-diphenic acid, and their insecticide and herbicide activity. L. P. Kulev, R. N. Gireva, G. M. Stepanova. Zhur. ob. khim. 33 no. 2:411-412 F '63.

DIPHOSPHOROUS ACID

Acetylene-allene-diene rearrangements of diphosphites with a β,γ -acetylene bond in a common ester radical. A. N. Pudovik, I. M. Aladzheva. Zhur. ob. khim. 33 no. 2:708-709 F '63.

DIPHTHERIA

Primary acute suppurative inflammation of the ear of diphtherial etiology. M. M. Lavashov. Zhur. uzh. nos. i gorl. bol. 22 no. 4:85-88 Ji-Ag '62.

DIPHTHERIA—PREVENTION see subcategory under Moscow

DIPLOMATICS

The study of ancient manuscripts; a discussion in the Academy of Sciences of the U. S. S. R. A. S. Oreshnikov. Ist. arkh. 8 no. 6:183-185 N-D '62.

DIPPERS (BIRDS) see subcategory under Terskoi Ala-Tau

DIRECT CURRENT MACHINERY see Electric motors, Direct current

DISABILITY EVALUATION

Work capacity following the surgical treatment of urolithiasis. A. F. Uchugina. Vest. khir. 89 no. 1:133-136 N '62.

Work capacity in elderly and senile hypertension patients. M. I. Khvilitskaya, K. I. Nikitina, M. I. Magaril. Trudy LIETIN no. 4:92-99 '60.

DISABLED—REHABILITATION

Always ready to serve his country. M. Volina. Komn. Mold. 7 no. 5:51-54 My '62.

DISARMAMENT

For general disarmament. IU, Kuznetsov. Agitator no. 7:34 Ap '62.

For peace on earth! Klub 12 no. 7:2 Ji '62.

The force and weakness of inertia. Ilya Ehrenburg. Nov. vrem. 20 no. 9:6-8 Mr '63.

A nonaggression pact. Nov. vrem. 20 no. 9:1-2 Mr '63.

DISARMAMENT—CONGRESSES

Arms mean destruction and disarmament means plenty. Sov. Soluz no. 9:34 '62.

Imperious command of the times. Sov. pech. no. 8:53-54 Ag '62.

DISCS see Phonorecords

DISEASE GERMS see Bacteria, Pathogenic

DISEASES—CAUSES AND THEORIES OF CAUSATION

Etiology from the viewpoint of materialistic dialectics. I. A. Pashintsev, K. E. Tarasov. Sov. zdrav. 22 no. 2:31-37 '63.

DISEASES, HEREDITARY see Heredity of disease

DISEASES, MENTAL see Mental illness

DISEASES, MENTAL see Psychology, Pathological

DISINFECTION AND DISINFECTANTS

Using paper disks for studying the bacteriostatic effect of disinfectants. T. Smirnitkaya, I. Spichkin, N. Tokarev. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:219-220 '62.

DISKS, ROTATING

Generson, I. G. [Production of disk forgings for turbines and compressors] Proizvodstvo pokovok turbinnykh i kompressornykh diskov. Moskva, Mashiz, 1962. 277 p.

DISLOCATIONS IN METALS

Simultaneous effect of heat treatment and external tensile loads on certain properties of polycrystalline zinc. S. Ya. Zil'vadnyi, V. M. Mikhailovskii, A. K. Matik. Fiz. met. i metalloved. 15 no. 1:91-94 Ja '63.

Theory of X-ray scattering by crystals containing dislocations. Case of the random distribution of a screw and edge dislocations in crystals. M. A. Krivoglas, K. P. Rishoshapka. Fiz. met. i metalloved. 15 no. 1:18-31 Ja '63.

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DISORDERLY CONDUCT

An important public work. IU, Kasatkin, N. Kosopichev. Part. zhizn' no. 5:44-46 Mr '63.

Kuznetsov, A. V. [Hooliganism and how to prevent it] Khuliganstvo i bor'ba s nim. Moskva, Gos. izd-vo turid. lit-ry, 1962. 77 p.

DISORDERS OF LOCOMOTION see Locomotion, Disordered

DISORDERS OF PERSONALITY see Personality, Disorders of

DISORDERS OF SPEECH see Speech, Disorders of

DISPERSION ANALYSIS see Particle size determination

DISPLACEMENT (SHIPS)

The most advantageous coefficients of displacement and the operational speed of a ship. L. M. Negid. Sudostroenie 29 no. 2:5-11 F '63.

DISSECTION

Method of dissection of the cardiac arteries. IU, N. Darkshevich. Sud.-med. ekspert. 6 no. 1:57 Ja-Mr '63.

DISSERTATIONS, ACADEMIC

"Dissertations on finance, currency circulation, credit, accounting, and analysis of administrative operations defended for doctors' and candidate degrees, 1939-1961." Book review. Vest. vyz. shkoly 21 no. 2:95 F '63.

DISSOCIATION

Kuznetsov, S. I. [Diagrams and tables for dissociating air flow around a wedge, cone, and cambered surface] Diagrammy i tablitsy techeniya dissociiruyushchego vozdukhа okolo klina, konusa i vypukloj poverkhnosti. Moskva, Oborongiz, 1962. 210 p.

Photodissociation of iodine in carbon dioxide solutions under critical conditions [with summary in English]. I. R. Krichevskii, IU, V. Tsekanskaya. Inzh.-fiz. zhur. 5 no. 12:104-107 D '62.

DISTEMPER

Bicillin against canine distemper. N.G. Logishnets. Veterinarlia 38 no.10:80 O '61.

DISTILLATION

Production of alcohol from reprocessed discard molasses. A.F. Fedorov, T.G. Zhupikova. Spirt, prom. 29 no.1: 12-13 '63.

Purification of barometric condenser waters. P.L. Shkurenko, V.I. Dabaev, R.M. Granovskaya. Masl. -zhir, prom. 29 no.1:34-35 Ja '63.

Step method of cooking grain and potatoes. A.G. Zahrodskii. Spirt, prom. 29 no.1:40-41 '63.

Use of potassium permanganate in distillation. F.A. Khannanovskii. Spirt, prom. 29 no.1:42-43 '63.

DISTILLATION, FRACTIONAL

On the kinetic calculation of the process of rectification of multicomponent mixtures based on mass transfer equations. V.E. Bogoslavskii, A.N. Planovskii, Khim. i tekhn. topl. i masel 8 no.1:11-15 Ja '63.

DISTILLATION APPARATUS

Improved laboratory still for the distillation of essential oils. N.L. Gurvich. Masl.-zhir, prom. 29 no.1: 35 Ja '63.

Lead on the perforated plates of the rectifying apparatus. I.A. Alekandrov. Spirt, prom. 29 no.1:6-12 '63.

Practical coefficients of evaporation and rectification of admixtures in the distillation with cognac apparatus. V. Litvak, V. Maslov. Prom. Arm. 5 no.12:35-38 D '62.

Processing of roses in an apparatus with continuous action. F.S. Tanaenko. Masl.-zhir, prom. 29 no.1:30-33 Ja '63.

DISTILLATION APPARATUS—MAINTENANCE AND REPAIR

Some problems of maintenance and repair of the equipment of tar distilling industries. B.S. Malzlin, G.V. Kirilenko. Koks i khim. no.1:51-54 '63.

DISTILLED WATER see Water, Distilled

DISTILLERIES

From the work practices of efficiency promoters. A.P. Babenko, N.P. Korotenko. Spirt, prom. 29 no.1:27-28 '63.

DISTILLERIES—EQUIPMENT AND SUPPLIES

Heat circuit of an alcohol distillery applying the steaming of discarded molasses. N.YU. Tobilevich and others. Spirt, prom. 29 no.1:24-27 '63.

System for conveying sulfuric acid to the production sites. A.A. Sukhenko. Spirt, prom. 29 no.1:28-29 '63.

DISTILLING, ILLICIT see subdivision under Ukraine

DISTILLING INDUSTRIES

All-Union conference of the representatives of distilling industries and of the manufacturers of food industry machinery. Spirt, prom. 29 no.1:4-8 '63.

"Instructions for the technological and chemical control of alcohol production." Reviewed by P.M. Mal'tsev, V.F. Sukhodol. Spirt, prom. 29 no.1:43-45 '63.

Putting into practice the resolutions of the November Plenum of the Central Committee of the CPSU. Spirt, prom. 29 no.1:1-3 '63.

DISTILLING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Distilling Industries

DISTILLING INDUSTRIES—PERIODICALS

From the readers' conference. Spirt, prom. 29 no.1: 45-46 '63.

DISTRIBUTION (PROBABILITY THEORY)

The inverse or complex Gauss-Poisson distribution. O.S. Beriland, I.M. Nazarov, A.I.A. Pressman. Dokl. AN SSSR 147 no.5:1005-1007 D '62.

The inverse Monte Carlo method [with summary in English]. V.V. Chavchavadze. Trudy Inst. fiz. AN Gruz. SSR 8:287-293 '62.

Logical scheme of an algorithm for computing a chain stochastic process [in Georgian with summary in English]. R.L. Skhidladze. Trudy Inst. fiz. AN Gruz. SSR 8:295-311 '62.

DISTRIBUTIVE EDUCATION

(see also subdivision under Dnepropetrovsk)
Let's improve the qualifications of commodity experts. M. Saifonov. Sov. torg. 35 no.9:61 S '62.
You can learn by correspondence. V. Krachko. Koop. Kazakh. 5 no.4:48-50 Ap '62.

DITCHES

Varying of the setting of the ditching attachment of a ditcher. A. Mamedov. Tekh. v sel'khoz. 22 no.7:80-51 JI '62.

DITHIONITES—THERAPEUTIC USE

Use of hyposulfite in pestis carnivorae complicated by bronchopneumonia. A.E. Dulehov. Veterinarlia 37 no.7:44-45 JI '60.

DIVIDING ENGINE

Device for dividing and drawing scales of instruments. M.N. Poroshina. Izv. tekhn. no.2:44-46 F '63.
Five-position dividing carriage. B. Gorshstein. Mashinostroitel' no.1:31 Ja '63.

DIVINATION

Why is the cock considered a prophetic bird? Nauka i rel. 4 no.1:85 Ja '63.

DIVISION OF LABOR

(see also subdivision under Estonia)
Communal division of labor during the period of the large-scale building of communism. I. Sudarevskii. Sots. trud 8 no.1:11-16 Ja '63.

DMITROCHENKO, ALEKSANDR PETROVICH, 1901-

Professor A.P. DMITROCHENKO's 60th birthday. V. Volkopalov. Zhivotnovodstvo 23 no.5:85 My '61.

DNEPRODZERZHINSK—BLAST FURNACES

Research at the Dzerzhinskii Metallurgical Plant. V. Nikitskate. Stal' 23 no.2:180 F '63.

DNEPRODZERZHINSK—IRON AND STEEL PLANTS—MANAGEMENT

Some problems of work organization at the Dzerzhinskii and Zaporozhstal' metallurgical plants. S.V. Lazarev, A.N. Borodavkin, E.A. Drozhin. Stal' 23 no.2:172-173 F '63.

DNEPROPETROVSK—CORN PRODUCTS

Experience of the Dnepropetrovsk plant of food concentrates in equipment maintenance. I.E. Ivanov, A.P. Shestakov. Kons. i ov, prom. 18 no.2:19-20 F '63.

DNEPROPETROVSK—DISTRIBUTIVE EDUCATION

Public university. D. Arkad'ev. Sov. torg. 35 no.9: 50 S '62.

DNEPROPETROVSK—LABOR COURTS

The power of public opinion. H. Honcharov. Rad, pravo no.5:36-40 S-O '62.

DNEPROPETROVSK—METAL CUTTING

Multiple machining of parts at the Dnepropetrovsk Heavy-Press Plant. I.I. Andreev. Mashinostroenie no.6:13-6 N-D '62.

DNEPROPETROVSK—PAINT INDUSTRY

This calls for thinking. V. Khmariy. Mest, prom. i khud, promys. 3 no.12:25 D '62.

DNEPROPETROVSK—POWER PRESSES

Multiple machining of parts at the Dnepropetrovsk Heavy-Press Plant. I.I. Andreev. Mashinostroenie no.6:13-6 N-D '62.

DNEPROPETROVSK—RUBBER INDUSTRY—EQUIPMENT AND SUPPLIES

Some characteristics of the performance of the equipment for casting and vulcanization of diaphragms for molder-vulcanizers in the Dnepropetrovsk Tire Plant. Z.M. Solov'eva, Kouch, i rez. 22 no.2:43-46 F '63.

DNEPROPETROVSK—RUSSIAN SOCIAL DEMOCRATIC PARTY

History of the Bolshevik organization in Ekaterinoslav on the eve of the Third Congress of the Russian Social Democratic Party. S.S. Kaplun. Ist. arkh. 8 no.6: 187-189 N-D '62.

DNEPROPETROVSK PROVINCE—AUXILIARY POLICE

How the Soviet public helps to maintain law and order. I. Kolynchenko. Rad, pravo no.5:31-32 S-O '62.

DNEPROPETROVSK PROVINCE—EMPLOYEES, DISMISSAL OF

The labor rights of Soviet citizens must be strictly observed. T. Zhupynskiy. Rad, pravo no.5:46-49 S-O '62.

DNEPROPETROVSK PROVINCE—EVENING AND CONTINUATION SCHOOLS

Technical schools for foremen. V. Ulasevich. Prof. i tekhn. obr. 20 no.2:27 F '63.

DNEPER-DONETS LOWLAND—GEOLOGY, STRUCTURAL

On the origin of structures of the Dnieper-Donets Depression [with summary in English]. V.I. Sozans'kiy. Dop. AN URSS no.12:1625-1628 '62.

DNEPER-DONETS LOWLAND—PETROLEUM

Petroleum of the Glinak-Rozbysheva deposits of the central part of the Dnieper-Donets Depression [with summary in English]. P.S. Makovets'kiy, D.P. Serduk. Dop. AN URSS no.12:1628-1629 '62.

DNEPER VALLEY—BIOTITE—ANALYSIS

Iron content and refraction indices of biotites from various granitoids in the Ukrainian Crystalline Shield. A.P. Protchenko, V.P. Kuls. Geol. zhur. 22 no.6:50-58 '62.

DNEPER VALLEY—GEOLOGY, STRATIGRAPHIC

Absolute age of the Upper Paleolithic (Solutren, Gravettian type) of the Dnieper Valley according to radiocarbon analysis data. I.K. Ivanova, A.P. Chernysh. Dokl. AN SSSR 148 no.2:410-413 Ja '63.

DNEPER VALLEY—GUIDEBOOKS

[Dnep'r; guidebook] Dnep'r; putevoditel'. [Kiev] Kievskoe obl. knizhno-gazetnoe izd-vo, 1962. 332 p. [MICROFILM]

DNEPER VALLEY—NEPHELINE SYENITE

New Lesser Teryanka syenite-foyalite massif (middle Dnieper Valley). I.D. Tsarova'kiy, O.D. Tymoshenko. Geol. zhur. 22 no.6:83-86 '62.

DNEPER VALLEY—UKRAINIAN LANGUAGE—DIALECTS

Vashchenko, V.S. [From the history and geography of "dialectal words"; materials for the study of vocabulary of dialects in the central and lower Dnieper Valley (in preparation for the Fifth International Congress of Slavists)] Z istorii ta geografii dialektnykh sliv; materialy do vyvchennia lekysky hovori v seredn'oi ta nizhn'oi Naddniprovschyni (nazustrich V Miznarodnomu z'izdovi slavistiv). Kharkiv, Vyd-vo Kharkivs'koho univ., 1962. 173 p.

DOBRINKA DISTRICT (LIPETSK PROVINCE)—AGRICULTURAL ADMINISTRATION

A year of work of collective and state farm production administration. M. Zavolozhin. Plan, khoz. 40 no.3: 40-44 Mr '63.

DOBRINKA DISTRICT (LIPETSK PROVINCE)—SOIL MICRO-ORGANISMS

Amount of bacteria in soil under various crops in fields of the Frunze Collective Farm in Dobrinka District, Lipetsk Province. M. Zhurbenko and others. Sbor. stud. nauch. i issl. rab. VSKII 1 no.1:81-84 '62.
Microbiologic analysis of soils in fields of the Frunze Collective Farm in Dobrinka District, Lipetsk Province. N. Mikhailov and others. Sbor. stud. nauch. i issl. rab. VSKII 1 no.1:75-79 '62.

DOBROLIOBOV, NIKOLAI ALEKSANDROVICH, 1836-1861

Ostrovskii reads "Dark reign." E. Kholodov. Vop. lit. 6 no.12:95-100 D '62.

DOCUMENTARY FILMS see Motion pictures, Documentary

DODDER see subdivision under Turkmenistan

DODDER—TOXICOLOGY see subdivision under Uzbekistan

DOGS—ANATOMY

Structure and development of Purkinje fibers in the conducting system of the heart in a dog. V.D. Vako-luk. Sbor. nauch. i issl. rab. med. inst. 18 no.1: 133-136 '58.

DOGS—DISEASES AND PESTS

Treatment with biochinal of dogs infected with myelitis. S.S. Kotov. Veterinarlia 37 no.7:44 JI '60.
Use of hyposulfite in pestis carnivorae complicated by bronchopneumonia. A.E. Dulehov. Veterinarlia 37 no.7:44-45 JI '60.

DOLGORUKOV, NIKOLAI ANDREEVICH, 1902-

Master of the political engraving; on N.A. Dolgorukov's 60th birthday. A. Roegalov. Iakustvo 25 no.11:26-31 '62.

DOLOMITE see subdivision under Kuybyshev Province

DOMAIN STRUCTURE

Domain structure of single crystals in magnesium-manganese ferrites. A.I. Drokin, V.D. Dyglerov. Fiz. met. i metalloved. 15 no.1:128-132 Ja '63.
Resonance phenomena in magnetocrystalline single crystals of ferrodielectrics having a domain structure. K.B. Vlasov, L.G. Onoprienko. Fiz. met. i metalloved. 15 no.1:43-54 Ja '63.

DOMESTIC ANIMALS—NOMENCLATURE (POPULAR)

Slavic names for the young of domestic animals. N.S. Shepashnikova. Etim. issl. po rus. iaz. no.3:73-77 '61.

DOMESTIC ANIMALS, FOSSIL see subdivision under Crimea

DOMESTIC APPLIANCES see Household appliances

DOMESTIC EDUCATION

Verses resound in the family. M. Varshavskaya. Rabotnitsa 40 no.7:29 JI '62.

DOMESTIC ENGINEERING see subdivision under Great Britain

DOMESTIC RELATIONS

Controversial problems of Soviet family law. G. Tank-sybaeva. Obshchestv. nauki v Uz. 6 no.12:34-38 '62.
Moscow, Vsesoiuznyi iuridicheskii zaochnyi institut. [Methodological instructions for the students of the course on "Soviet family law"] Metodicheskie ukazaniia po izucheniiu kursa Sovetskogo semeinogo prava. Moskva, 1961. 20 p.

DOMODEROVO—AIRPORTS

New airport for the capital. Transp. stroi. 12 no.7: 2 of cover JI '62.

DON VALLEY—ARCHAEOLOGY—CONGRESSES

First Conference on the Archaeology of the Lower Don Valley. S.N. Bratchenko. Sov. arkh. 7 no.1:327-329 '63.

- DON VALLEY—BEAVERS**
Beavers of the Don River basin; ecology and economic problems. I. I. Barabash-Nikiforov, V. V. Dezhkin, I. V. D'yakov. Trudy Khop. gos. zap. no. 5:3-115 '61.
- DONETS BASIN—COAL**
Coking of Donets Basin coals in the PK-2K ovens and the temperature conditions of the end heating flues. A. G. Nolych, Koks i khim. no. 1:19-23 '63.
- DONETS BASIN—COAL MINERS—EDUCATION AND TRAINING**
Let's improve the training of miners in the Donets Basin. F. Rozenberg, Prof. -tekh. obr. 20 no. 1:29 Ja '63.
- DONETS BASIN—COAL MINES AND MINING**
Combining technological processes in a 24-hour workday. R. S. Zaitsev, N. E. Zavel'skaya. Ugol'. prom. no. 6:10-11 N-D '62.
New method of solving mining problems. K. I. Tatomir. Trudy Inst. gor. dela AN URSR no. 11:3-16 '62.
Practice in organizing twenty-four hour shift mixed brigades in Donets Basin mines. A. Kletkin, I. Kryzhko. Sots. trud 7 no. 12:110-113 D '62.
- DONETS BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY**
Integrated brigade working around the clock in longwalls of mines of the Laiskanskugol' Trust. P. S. Turneev, V. P. Kuznetsov. Ugol'. prom. no. 6:16-17 N-D '62.
- DONETS BASIN—COAL MINES AND MINING—SAFETY MEASURES**
Comments on V. I. Kravchenko's article "Preventing avalanches in entries in gently sloping strata." P. I. Linnik. Bezop. truda v prom. 7 no. 1:21 Ja '63.
- DONETS BASIN—COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS**
Mechanization of stoping in steep mines of the Donets Basin. V. M. Korol'kov. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:11-16 '63.
- DONETS BASIN—COAL MINING MACHINERY**
Mechanized stopes in steep seams. Ugol'. prom. no. 6:83 N-D '62.
- DONETS BASIN—FLUORITE**
Fluorite in the carbonate formation of the southwestern border of the Donets Basin. B. S. Panov. Dokl. AN SSSR 147 no. 5:1172-1174 D '62.
- DONETS BASIN—KARST**
Karst phenomena in the southern outskirts of the Donets Basin and their age. M. V. Kobleev. Izv. AN SSSR, Ser. geog. no. 1:73-77 Ja-F '63.
- DONETS BASIN—LANDSCAPE GARDENING**
Trees and shrubs used in landscape gardening in the Donets Basin. M. P. Voloshin. Biul. Glav. bot. sada no. 45:34-37 '62.
- DONETS BASIN—LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES**
PME-1 small loader. E. V. Bublikov, G. D. Fedorov, B. N. Sinebriukov. Ugol'. prom. no. 6:61-63 N-D '62.
- DONETS BASIN—MINE BUILDINGS**
Redesigning the auxiliary and storage facilities of Mine 17 - 17bis of the Kraenoluchugol' Trust. I. A. Tkachenko, S. A. Birabov. Ugol'. prom. no. 6:29-34 N-D '62.
- DONETS BASIN—MINE HAULAGE**
Efficiency of using various means of haulage on inclined workings in Donets Basin mines. S. I. Kravchinskii. Sbor. DonUGI no. 23:3-60 '62.
- DONETS BASIN—MINE RAILROADS—EQUIPMENT AND SUPPLIES**
Practice of using TKP-2M portable electric pushers. M. S. Pavlov. Ugol'. prom. no. 6:88-89 N-D '62.
- DONETS BASIN—MINE TIMBERING**
Supporting workings in deep mines. M. E. Bebenin and others. Ugol'. prom. no. 6:24-28 N-D '62.
- DONETS BASIN—MINE TIMBERING—COST**
Cost of supporting development workings in the Donets Basin. K. I. Tatomir and others. Trudy Inst. gor. dela AN URSR no. 11:108-111 '62.
- DONETS BASIN—MINE TIMBERING—EQUIPMENT AND SUPPLIES**
Possibility of using the shield covers and units in the Donets Basin which are being used in the Kuznetsk Basin. A. D. Bondarenko. Trudy Inst. gor. dela AN URSR no. 11:22-26 '62.
- DONETS BASIN—ROCK PRESSURE**
Distribution of supporting pressure zones in working steep seams of the Donets Basin. Trudy Inst. gor. dela AN URSR no. 11:32-36 '62.
- DONETS BASIN—ROCKS, SEDIMENTARY—CLASSIFICATION**
Classification of Carboniferous sandy-argillaceous rocks in the Donets Basin bas. on the coefficients of softness. B. I. Tkach. Geol. zhur. 22 no. 6:77-79 '62.
- DONETS BASIN—WOODY PLANTS**
Trees and shrubs used in landscape gardening in the Donets Basin. M. P. Voloshin. Biul. Glav. bot. sada no. 45:34-37 '62.
- DONETS PROVINCE—COAL PREPARATION**
Creation of rock dumps at coal preparation plants of the Donets Economic Council. N. Z. Garmash, I. I. A. Shevchenko. Ugol'. prom. no. 6:36-39 N-D '62.
- DONETS PROVINCE—COKE OVENS**
Reconstruction of fire brick (chamotte) coke ovens. A. K. Mirosnichenko, Koks i khim. no. 2:24-25 '63.
- DONETS VALLEY—FISHES, FOSSIL**
Commercial fishes of the ancient settlement in the Donets Valley. L. D. Voronenkova. Vop. ikht. 2 no. 4:626-639 '62.
- DONETSK—CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS**
Pass progressive practice from one worker to another and from plant to plant. I. Goloperev. Sov. profsoyuz 19 no. 5:4-5 Mr '63.
- DONETSK—COKE INDUSTRY—EQUIPMENT AND SUPPLIES**
Automatic lorry car in operation. N. I. A. Grossman and others. Koks i khim. no. 2:29-32 '63.
- DONETSK—SOVIETS**
On the path toward communal self-government. O. Bilenko. Rad. pravo no. 1:22-24 Ja-F '63.
- DONETSK PROVINCE—AGRICULTURAL CHEMICALS**
Some problems in the future development of the manufacture of agricultural chemicals with coal chemicals as the raw material. M. N. Tsarev, A. P. Zherdev. Koks i khim. no. 2:40-42 '63.
- DONETSK PROVINCE—AUDITING AND INSPECTION**
In the struggle against mismanagement. N. Ruchitsa. Fin. SSSR 37 no. 2:51-52 F '63.
- DONETSK PROVINCE—COKE INDUSTRY**
On the road to a further upswing. Koks i khim. no. 2:3-5 '63.
- DONETSK PROVINCE—COKE INDUSTRY—BY-PRODUCTS**
Nonsaturated method of obtaining ammonium sulfate. A. P. Sergeev, I. A. Gol'din. Koks i khim. no. 2:36-39 '63.
- DONETSK PROVINCE—COKE INDUSTRY—LABOR PRODUCTIVITY**
Ways of increasing labor productivity in the coal chemical plants in Donetsk Province. E. M. Rabinovich. Koks i khim. no. 2:57-61 '63.
- DONETSK PROVINCE—MACHINERY INDUSTRY**
Mixed-integral process brigades in machinery manufacturing. V. Braiko. Sots. trud 7 no. 12:113-118 D '62.
- DONETSK PROVINCE—MACHINERY INDUSTRY—PRODUCTION STANDARDS**
Increase the role of the departments of labor in utilizing the hidden potentialities of production. D. Savich. A. Makauri. Sots. trud 8 no. 1:35-42 Ja '63.
- DONETSK PROVINCE—SAND**
The possibility of providing the building sites of Donetsk Province with high-quality sand for concrete work. A. N. Lytvyn, B. I. Bronshteyn. Visnyk ABIA URSR no. 3:60-61 '62.
- DONETSK PROVINCE—SERVICE INDUSTRIES**
Departmental duplication. A. Mazmanian. Mest. prom. i khud. promysl. 3 no. 12:12 D '62.
- DONETSK PROVINCE—STATE FARMS—FINANCE**
Problems of issuing credit to state farms. Z. Ogdanets. Den. i kred. 21 no. 1:55-58 Ja '63.
- DONETSK PROVINCE—STOCK AND STOCKBREEDING**
Possibilities for the increase of productivity in animal husbandry. I. N. Anisimov. Veterinariia 37 no. 11:27-30 N '60.
- DONETSK PROVINCE—SURGICAL SOCIETIES**
Activity of the Donetsk Province Society of Surgeons in 1961. M. S. Leichik. Klin. khir. no. 12:87-89 D '62.
- DONETSK PROVINCE—TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS**
Relay system for suggestions and innovations. Avi. transport. 41 no. 1:6 Ja '63.
- DOORS**
Installing and adjusting windows and doors. V. Belovich. Stroitel' 8 no. 2:30-31, 3 of cover F '62.
- DORMANCY IN PLANTS**
Period of rest of the root system of the apple tree. I. A. S. Nesterov. Dokl. AN SSSR 147 no. 5:1230-1233 D '62.
Ripening of fruit and the duration of seed dormancy. P. V. Sapankevich. Trudy Brian. tekhn. inst. 9:273-280 '60.
- DOSVITNIL, OLES', pseud. see Skrypal', Oleksandr Fedorovich, 1891-1934**
- DOUBLE INTEGRALS see Integrals, Multiple**
- DOUBLE REFRACTION see Refraction, Double**
- DOVZHENKO, ALEKSANDR PETROVICH, 1891-1958**
From notebooks (to be continued). Aleksandr Dovzhenko. Isk. kino 33 no. 1:44-56 '63.
Truth and courage of the artist. Mykhailo Kovalenko. Mystetstvo 9 no. 6:11-12 N-D '62.
- DRAGOBYCH—HISTORY**
Municipal government in feudal Dragebych, to the end of the 18th century. I. A. D. Isaievych. Z ist. URSR no. 6:73-20 '62.
- DRAINAGE**
(see also subdivision under Finland; Kursk Magnetic Anomaly; Lithuania; Meshchera Depression; Nerussa Valley)
Drainage and irrigation rates for lowland bogs. B. S. Maslov. Gidr. i mel. 14 no. 1:31-38 Ja '63.
Effectiveness of draining grass-Sphagnum pine forests. V. G. Rubtsov. Les. khoz. 15 no. 6:39-42 S '62.
Mechanization of trenchless land drainage operations. V. Gorinskii. Tekh. v sel'khoz. 22 no. 7:88-92 Ji '62.
Operating conditions of drainage pumping stations and methods for their improvement. R. I. Volkov. Gidr. i mel. 14 no. 1:30-47 Ja '63.
- DRAINAGE—MAPS see subdivision under Elbrus, Mount**
- DRAINAGE, SURGICAL**
Comparative evaluation of the methods of surgical treatment and drainage of wounds in paronychia. P. I. Gurav. Zdrav. Kazakh. 22 no. 11:21-25 '62.
- DRAINAGE OF MINES see Mine drainage**
- DRAWING—INSTRUCTION**
Educational value of children's drawing. B. P. Iusov. Sov. pedagog. 26 no. 11:40-45 N '62.
- DRAWING (METALWORK)**
Improving the stampability of nonaging 08IU sheet steel. B. S. Natapov and others. Stal' 23 no. 1:84-86 Ja '63.
- DREDGING MACHINERY**
Operations of a dredger with SARZ-4K automatic control. P. Kalytshev. Rech. transport. 22 no. 1:35-38 Ja '63.
Underwater scraper unit. V. A. Smelov. Transport. stroit. 12 no. 9:53 S '62.
- DRESSMAKING—STUDY AND TEACHING**
Instruction in cutting out and sewing for the students of eight-year schools. N. G. mirzoeva. Shkola i preizv. 6 no. 8:40-43 Ag '62.
- DRIFT see subdivision under Arctic Ocean; Arctic regions; Armenia; Central Siberian Plateau**
- DRIFTING ICE STATIONS**
Drift of the second relief party of the "North Pole-8" station. N. I. Blinov. Probl. Arkt. i Antarkt. no. 10:96-98 '62.
Drifting station "North Pole-9". V. A. Shamont'ov. Probl. Arkt. i Antarkt. no. 10:95-96 '62.
The first drifting ice station. I. Papanin. Mol. komm. no. 6:94-95 My '62.
- DRILL (AGRICULTURAL IMPLEMENT)**
A drill for interplanting corn with forage beans. Sh. Khairov, M. Didenko. Tekh. v sel'khoz. 22 no. 12:8-11 D '62.
A drill for sowing beans and corn along in the same hole. P. Starikov, N. Chunarav. Tekh. v sel'khoz. 22 no. 12:5-7 D '62.
- DRILL (AGRICULTURAL IMPLEMENT)—MAINTENANCE AND REPAIR**
Repair of the bottom section of the SKGK-6V drill. G. Rudich. Tekh. v sel'khoz. 22 no. 12:69-70 D '62.
- DRILLING AND BORING**
Cutting forces during drilling holes with a diameter up to 1mm. V. M. Fedieva, A. K. Sinebriukov. Stan. i instr. 34 no. 1:40-41 Ja '63.
Determining the temperature engendered on the surface of a thread in the screwing-on of a locking thread, allowing for nonsteady-state temperature conditions. I. F. Kasimov. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekhn. nauk no. 4:101-104 '62.
Precision in drilling coordinated holes on automatic lines. V. F. Bakharov. Izv. vyz. ucheb. zav. i mashinostr. no. 8:60-68 '62.
Sysoev, V. I. [Handbook for a young drilling machine operator] Spravochnik molodogo sverlovshchika. Moskva, Proftekhizdat, 1962, 270 p.

DRILLING AND BORING MACHINERY

Ingunkovskii, M. T., and A. A. Simonov. [Unit for boring reducer housings] Agregatsnaya ustanovka dlia rastochki korpusov reduktorov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-185/32)

Semiautomatic jig-boring machine with position programming control. I. I. Tarasenko, L. E. Chalik. Mashinostroenie no. 6:9-11 N-D '62.

Set of special drilling and boring machines for machining deep holes. V. I. Lopukhin. Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:37-39 '63.

DRILLING FLUIDS (OIL WELLS) see Oil well drilling fluids

DRILLING RIGS, OIL WELL see Oil well drilling rigs

DROPPING MERCURY ELECTRODES see Electrodes, Dropping mercury

DROPS

Coefficient of the transfer from impression sizes on tapes either covered with magnesium oxide or without any special covering to droplet diameters. Khuan Mei-tuan! [Huang Mei-yuan]. Izv. AN SSSR, Ser. geofiz. no. 10: 1434-1440 O '62.

DRUGS—PHYSIOLOGICAL EFFECT

Comparative study of the action of some antineoplastic preparations on tissue cultures of macroglial tumors of the human brain. A. E. Goshova. Probl. sovr. neirokhir. 4:286-306 '62.

Conditioned reflex pupillary reactions to the administration of adrenomimetic and antihistaminic substances. V. P. Bashkova. Vrach. delo no. 1:143-145 Ja '63.

Effect of ephyllin, papaverine, nitroglycerin and chlorazepine on the tone of the coronary vessels and oxygen absorption by the myocardium under conditions of heart isolation by Langendorff's method [with summary in English]. V. V. Bulanov, I. E. Kislin. Vest. AMN SSSR 18 no. 1:36-40 '63.

Effect of pharmacological substances on the reflex reactions of the coronary vessels caused by stimulation of the cardiac receptors [with summary in English]. N. V. Kaverina. Vest. AMN SSSR 18 no. 1:10-17 '63.

Pharmacological aspects influencing cardiac blood circulation [with summary in English]. V. V. Zakusov. Vest. AMN SSSR 18 no. 1:3-9 '63.

Prevention of disorders in the myocardial blood supply caused by stimulation of the cerebral cortex by pharmacological agents [with summary in English]. I. E. Kislin, L. N. Slutskii. Vest. AMN SSSR 18 no. 1:10-23 '63. Some problems in the clinical aspects of drug intolerance [with summary in English]. E. I. A. Severova. Sov. med. 26 no. 12:65-67 D '62.

DRUGSTORES

(see also subdivision under Moscow)

Standard plans for rural drugstores. IU, Gol'dberg. Sel's. stroi. 15 no. 3:insert Mr '60.

DRYING

Analytical study of heat and mass transfer in an infinite plate and sphere. M. S. Kozlova. Trudy MTIPP 15: 74-81 '60.

Experimental study of kinetics and dynamics in the drying process of capillary-porous solids. E. I. Sizakova. Trudy MTIPP 15:81-87 '60.

How to intensify atomizing drying [with summary in English]. M. V. Lykov, B. I. Leonchik, O. L. Danilov. Inzh. -fiz. zhur. 5 no. 12:34-40 D '62.

Investigating the drying process of capillary-porous materials. E. I. Sizakova. Trudy MTIPP 15:93-100 '60.

Mechanism underlying moisture transfer in the drying of colloidal capillary-porous bodies [with summary in English]. N. V. Churaev. Inzh. -fiz. zhur. 6 no. 2:31-37 F '63.

Methodology of investigating a combined intermittent drying process. V. A. Danilov. Trudy MTIPP 15:101-104 '60.

Radiotracer method for studying the mechanism of moisture transport in drying [with summary in English]. N. V. Churaev. Inzh. -fiz. zhur. 5 no. 12:41-47 D '62.

Vapor transfer inside a moist material during intermittent changes of its surface temperature conditions. D. N. Onchukov. Trudy MTIPP 15:82-87 '60.

Water vapor diffusion in capillaries. N. N. Fedaklin. Trudy MTIPP 15:105-113 '60.

DRYING APPARATUS

Belt conveyor dryers for paperboard. I. V. Bogdanov, I. M. Evzlin. Bum. prom. 38 no. 1:27-28 Ja '63.

Combined closet and drying room. B. Plavin, D. Anker. Stroitel' 9 no. 2:27-28 F '63.

Drying apparatus with a fluidized bed. P. G. Romankov and others. Khim. prom. no. 11:822-827 N '62.

Drying of pastelike materials and solutions in a fluidized bed. P. G. Romankov, N. B. Rashkovskaya. Khim. prom. no. 11:836-838 N '62.

Heat-radiation drying. A. Pulyrskii, Zhil. -kom. khoz. 12 no. 8:25 S '62.

Improving the heat insulation shielding of drying machinery. G. S. Navasardian, R. A. Kukrov. Tekst. prom. 23 no. 1:20-22 Ja '63.

Innovations in the technique of drying of wet materials in a fluidized bed. B. S. Sazhin. Khim. prom. no. 11: 830-836 N '62.

Preparation of dry granulated nitrophoska from pulp in an apparatus with a fluidized bed. N. A. Shakhova, A. I. Ryckov. Khim. prom. no. 11:839-842 N '62.

Rotary machine for spreading green malt in horizontal multistage malt kilns. Spirt. prom. 28 no. 1:33-35 '63.

Technological design of air stream apparatus for drying free-flowing materials. B. S. Sazhin, IU. A. Miklin. Khim. prom. no. 11:819-822 N '62.

DRYING APPARATUS—FOUNDRY SAND

Sand drying in suspension. M. N. Zolotiykh. Lit. proizv. no. 7:30-40 JI '62.

DRYING APPARATUS—TEXTILE FABRICS

Modern design of machines for yarn and fabric drying: review of foreign literature and patents. E. I. Frenkel'. Tekst. prom. 23 no. 1:85-87 Ja '63.

DRYING OILS

Entrapping of harmful volatile substances in the manufacture of drying oils. G. K. Premet. Lakokras. mat. i ikh prim. no. 1:65-67 '63.

DUBENKI DISTRICT—SHEEP—DISEASES AND PESTS

Prophylaxis of alimentary ketonuria in pregnant sheep by feeding them pine needles. E. N. Zhuravlev. Veterinaria 38 no. 10:60-61 O '61.

DUBINSKII, DAVID ALEKSANDROVICH, 1920-1960

D. Dubinskii's works. E. Gankina. Iskusstvo 25 no. 9: 35-40 '62.

DUBNA—NUCLEAR PHYSICS—RESEARCH

In the Institute of Nuclear Research. A. Belovskii. Nar. khoz. Kazakh. 20 no. 12:72-74 D '62.

DUCKS see subdivision under Sladkiy Liman region; White Sea region

DUCKS—DISEASES AND PESTS see subdivision under Moscow Province; Voronezh Province

DUCTUS ARTERIOSUS

Case of patent ductus arteriosus. R. L. Tomasian. Vop. rent. i onk. 6:163-166 '61.

Diagnosis of the patent ductus arteriosus. G. A. Natsvill-shvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:109-117 '62.

DUMP TRUCKS

Present status and future development of automotive transportation in mines. M. V. Vasil'ev. Avt. prom. 28 no. 2:4-7 F '63.

DUMPING APPLIANCES

Arrangement for the lifting of 85-100-ton capacity dump-cars. K. E. Savranski, A. B. Mozherits'er. TSvet. met. 36 no. 2:88-91 F '63.

DUMPING SYNDROME

Dumping syndrome; a survey of the Soviet and foreign literature. G. G. Karavanov, O. V. Filits. Klin. khir. no. 11:10-15 N '62.

DUNDIC, ALEKO, 1892-1920

Aleko Dundic, a hero of the civil war; on the 70th anniversary of his birth. I. Strollo. Voenn. ist. zhur. vol. 6 no. 1:126-128 Ja '63.

DUNGAN EMBROIDERY see Embroidery, Dungan

DUNGAN LANGUAGE—FOREIGN WORDS AND PHRASES

Phonetic assimilation of Russian loan words in the Dungan language. Kh. B. Bugazov. Izv. AN Kir. SSR, Ser. obshchestv. nauk 2 no. 2:13-34 '60.

DUNGAN LANGUAGE—NOUN

Formation of triaffixable nouns in the Dungan language. IU, TSunyazo. Izv. AN Kir. SSR, Ser. obshchestv. nauk 2 no. 2:35-52 '60.

DUNGANS

Agricultural reform among the Soviet Dungans. Kh. I. Usurov. Izv. AN Kir. SSR, Ser. obshchestv. nauk 2 no. 2:87-90 '60.

Characteristics of the administrative organization and social relations in the Dungan Alliance of Cities, 1883-1872. G. G. Stratanovich. Izv. AN Kir. SSR, Ser. obshchestv. nauk 2 no. 2:53-65 '60.

Materials on the history of Soviet Dungans. IU, I. Usupov. Izv. AN Kir. SSR, Ser. obshchestv. nauk 2 no. 2:91-110 '60.

The state and tasks of Soviet Dungan studies. M. Sushanlo. Izv. AN Kir. SSR, Ser. obshchestv. nauk 2 no. 2:5-11 '60.

DUNTE see subdivision under Denezhkin Kamen'; Tuva A.S.S.R.

DUODENUM—DIVERTICULA

Diverticula of the duodenum. S. N. Mam'ykin. Klin. khir. no. 12:37-41 D '62.

Diverticula of the stomach and the duodenum [in Georgian with summary in Russian]. M. E. Komakhidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10: 177-182 '62.

DUODENUM—RADIOGRAPHY

X-ray study of functional disorders of the stomach and the duodenum in calculous and non-calculous cholecystitis. B. B. Khanbabian. Vop. rent. i onk. 6:67-75 '61.

DUPUYTREN'S CONTRACTURE

Clinical aspect and treatment of Dupuytren's contracture. Z. N. Pavlova. Nauch. trudy Chetv. Mosk. gor. klin. bol'n. no. 1:138-144 '61.

DUST

Apparatus for measuring the size of dust particles. M. M. Fedorov. Fiz. v shkole 22 no. 6:49-50 N-D '62.

DUST—REMOVAL

Investigating aerodynamic parameters of a dry dust-catching system in drilling blast holes. V. V. Tkachev. Bezop. truda v prom. 7 no. 2:25-26 F '63.

DUST COLLECTORS

Assembling the system of precipitation electrodes of an electrostatic filter in large blocks. I. I. Biriukov. Mont. i spets. rab. v stroi. 25 no. 3:11-13 Mr '63. Automotive dust-collector. A. N. Mazalov, M. I. A. Minits. Mekh. i avtom. proizv. 17 no. 2:35 F '63.

DWELLINGS see subdivision under Kallinovka (Khomutovka District)

DWELLINGS—STANDARDS

Heavy volumes instead of a few sketches. T. Tuhai. Shi' bud. 13 no. 2:13 F '63.

DYANITE

Investigating the flotation properties of diathene depending on its structural characteristics. I. K. Kamenov, S. K. Plonkov. TSvet. met. 36 no. 2:80-82 F '63.

DYBENKO, PAVEL EFIMOVICH, 1889-1938

Nelasy, V. A. Pavel Efimovich Dybenko. Moskva, TSentr. muzei Sovetskoi Armii, 1962. 18 p.

DYES AND DYEING

Black dyeing of jayvan. M. G. Gordienko, R. I. A. Kravchenko, E. A. Kuznetsova. Leh. prom. no. 3:74-75 Je-Ag '62.

Calculation of the stationary value of a reversible photodichroism of viscous solutions. O. V. Stolbova. Dokl. AN SSSR 149 no. 1:84-87 Mr '63.

DYES AND DYEING—APPARATUS

Using the VAKT-3 apparatus for dyeing "jayvan" (polyester) fibers. R. B. Makhnovatskaya, G. A. Sobolev, V. A. Timoshov. Tekst. prom. 23 no. 1:65-68 Ja '63.

DYES AND DYEING—CHEMISTRY

Investigating the diffusion properties of acid metal-containing dyes. E. E. Starikovskii, A. A. Kharkharov. Izv. vys. ucheb. zav. i tekhn. tekst. prom. no. 6:111-116 '62.

Studying the structure of metalized dye complexes. Report No. 3: Formation of color complex compounds from 1,8-dioxynaphthalene-3,6-disulfonic acid (chromotropic acid). P. I. Mikhailenko, V. I. Butenko. Izv. vys. ucheb. zav. i tekhn. tekst. prom. no. 6:103-110 '62.

DYES AND DYEING—KNIT GOODS

Dyeing of knit fabrics with indigosol and vatsool dyes. V. P. Iakunkina. Nauch. -issl. trudy VNIITP no. 2: 143-147 '60.

Experience of a factory laboratory. A. I. Podgorneva, M. B. Erukhimovich, L. I. Novozhilova. Tekst. prom. 23 no. 1:74 Ja '63.

DYES AND DYEING—PLASTICS

Dyes for polyvinyl chloride films. A. A. Singub-Lavrenko, R. V. Kaiseva. Plast. massy no. 1:37-39 '63.

DYES AND DYEING—SILK

Economic efficiency of production lines in dyeing and finishing shops of the silk industry. I. V. Gankin. Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:61-63 '63.

DYES AND DYEING—TEXTILE FIBERS

Consultation. Tekst. prom. 23 no. 1:83 Ja '63.

Use of ultrasonic waves for dye dispersion. L. G. Smirnova, A. V. Tiuvina. Tekst. prom. 23 no. 1:69-73 Ja '63.

DYNAMICS

Evaluation of the dynamic precision of some systems. V. N. Akimov. Trudy MAI no. 147:72-75 '62.

Obtaining optimum processes in dynamic systems of the second order. A. V. Repnikov. Trudy MAI no. 147:27-34 '62.

DYNAMICS—STUDY AND TEACHING

Studying the inclined plane in the seventh grade. N. I. Ovsiannikov. Fiz. v shkole 22 no. 6:78 N-D '62.

DYNAMICS, MOLECULAR see Molecular dynamics

- DON VALLEY—BEAVERS**
Beavers of the Don River basin; ecology and economic problems. I. I. Barabash-Nikiforov, V. V. Dezhkin, I. U. V. D'jakov. Trudy Khop. gos. zap. no. 5:3-115 '61.
- DONETS BASIN—COAL**
Coking of Donets Basin coals in the PK-2K ovens and the temperature conditions of the end heating flues. A. G. Notych, Koks i khim. no. 1:19-23 '63.
- DONETS BASIN—COAL MINERS—EDUCATION AND TRAINING**
Let's improve the training of miners in the Donets Basin. F. Rozenberg, Prof. tekhn. obr. 20 no. 1:29 Ja '63.
- DONETS BASIN—COAL MINES AND MINING**
Combining technological processes in a 24-hour workday. R. S. Zaitsev, N. E. Zaval'skaya. Ugol', prom. no. 6:10-11 N-D '62.
New method of solving mining problems. K. I. Tatomir, Trudy Inst. gor. dela AN URSR no. 11:3-16 '62.
Practice in organizing twenty-four hour shift mixed brigades in Donets Basin mines. A. Kletkin, I. Kryzhko. Sots. trud 7 no. 12:110-113 D '62.
- DONETS BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY**
Integrated brigade working around the clock in longwall mines of the Lisichanskugol' Trust. P. S. Turneev, V. P. Kuznetsov. Ugol', prom. no. 6:16-17 N-D '62.
- DONETS BASIN—COAL MINES AND MINING—SAFETY MEASURES**
Comments on V. I. Kravchenko's article "Preventing avalanches in entries in gently sloping strata." P. I. Linnik. Bezop. truda v prom. 7 no. 1:21 Ja '63.
- DONETS BASIN—COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS**
Mechanization of stoping in steep mines of the Donets Basin. V. M. Korol'kov. Biul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 1:11-16 '63.
- DONETS BASIN—COAL MINING MACHINERY**
Mechanized stopes in steep seams. Ugol', prom. no. 6:83 N-D '62.
- DONETS BASIN—FLUORITE**
Fluorite in the carbonate formation of the southwestern border of the Donets Basin. B. S. Panov. Dokl. AN SSSR 147 no. 5:1172-1174 D '62.
- DONETS BASIN—KARST**
Karst phenomena in the southern outskirts of the Donets Basin and their age. M. V. Kobleev. Izv. AN SSSR, Ser. geog. no. 1:73-77 Ja-F '63.
- DONETS BASIN—LANDSCAPE GARDENING**
Trees and shrubs used in landscape gardening in the Donets Basin. M. P. Voloshin. Biul. Glav. bot. sada no. 45:34-37 '62.
- DONETS BASIN—LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES**
PME-1 small loader. E. V. Bublikov, G. D. Fedorov, B. N. Shnebrukov. Ugol', prom. no. 6:61-63 N-D '63.
- DONETS BASIN—MINE BUILDINGS**
Redesigning the auxiliary and storage facilities of Mine 17 - 17bis of the Krasnoluchugol' Trust. I. A. Tkachenko, S. A. Birafov. Ugol', prom. no. 6:29-34 N-D '62.
- DONETS BASIN—MINE HAULAGE**
Efficiency of using various means of haulage on inclined workings in Donets Basin mines. S. I. Kravchinskii. Sbor. DonUGI no. 23:3-60 '62.
- DONETS BASIN—MINE RAILROADS—EQUIPMENT AND SUPPLIES**
Practice of using TKP-2M portable electric pushers. M. S. Pavlov. Ugol', prom. no. 6:58-59 N-D '62.
- DONETS BASIN—MINE TIMBERING**
Supporting workings in deep mines. M. E. Bebenin and others. Ugol', prom. no. 6:24-28 N-D '62.
- DONETS BASIN—MINE TIMBERING—COST**
Cost of supporting development workings in the Donets Basin. K. I. Tatomir and others. Trudy Inst. gor. dela AN URSR no. 11:106-111 '62.
- DONETS BASIN—MINE TIMBERING—EQUIPMENT AND SUPPLIES**
Possibility of using the shield covers and units in the Donets Basin which are being used in the Kuznetsk Basin. A. D. Bondarenko. Trudy Inst. gor. dela AN URSR no. 11:22-26 '62.
- DONETS BASIN—ROCK PRESSURE**
Distribution of supporting pressure zones in working steep seams of the Donets Basin. Trudy Inst. gor. dela AN URSR no. 11:32-36 '62.
- DONETS BASIN—ROCKS, SEDIMENTARY—CLASSIFICATION**
Classification of Carboniferous sandy-argillaceous rocks in the Donets Basin bas. i on the coefficients of softness. B. I. Tkach. Geol. zhur. 22 no. 6:77-79 '62.
- DONETS BASIN—WOODY PLANTS**
Trees and shrubs used in landscape gardening in the Donets Basin. M. P. Voloshin. Biul. Glav. bot. sada no. 45:34-37 '62.
- DONETS PROVINCE—COAL PREPARATION**
Creation of rock dumps at coal preparation plants of the Donets Economic Council. N. Z. Garmash, I. A. Shevchenko. Ugol', prom. no. 6:36-39 N-D '62.
- DONETS PROVINCE—COKE OVENS**
Reconstruction of fire brick (chamotte) coke ovens. A. K. Miroshnichenko, Koks i khim. no. 2:24-25 '63.
- DONETS VALLEY—FISHES, FOSSIL**
Commercial fishes of the ancient settlement in the Donets Valley. L. D. Voronenkova. Vop. ikht. 2 no. 4:626-639 '62.
- DONETSK—CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS**
Pass progressive practice from one worker to another and from plant to plant. I. Golopetrov. Sov. profsoliuzy 19 no. 5:4-5 Mr '63.
- DONETSK—COKE INDUSTRY—EQUIPMENT AND SUPPLIES**
Automatic lorry car in operation. N. I. A. Grossman and others. Koks i khim. no. 2:28-32 '63.
- DONETSK—SOVIETS**
On the path toward communal self-government. O. Bilenko. Rad. pravo no. 1:22-24 Ja-F '63.
- DONETSK PROVINCE—AGRICULTURAL CHEMICALS**
Some problems in the future development of the manufacture of agricultural chemicals with coal chemicals as the raw material. M. N. Tsarev, A. P. Zherdev. Koks i khim. no. 2:40-42 '63.
- DONETSK PROVINCE—AUDITING AND INSPECTION**
In the struggle against mismanagement. N. Ruchitsa. Fin. SSSR 37 no. 2:51-52 F '63.
- DONETSK PROVINCE—COKE INDUSTRY**
On the road to a further upswing. Koks i khim. no. 2:3-5 '63.
- DONETSK PROVINCE—COKE INDUSTRY—BY-PRODUCTS**
Nonsaturated method of obtaining ammonium sulfate. A. P. Sergeev, I. A. Gol'din. Koks i khim. no. 2:36-38 '63.
- DONETSK PROVINCE—COKE INDUSTRY—LABOR PRODUCTIVITY**
Ways of increasing labor productivity in the coal chemical plants in Donetsk Province. E. M. Rabinovich. Koks i khim. no. 2:57-61 '63.
- DONETSK PROVINCE—MACHINERY INDUSTRY**
Mixed-integral process brigades in machinery manufacturing. V. Braiko. Sots. trud 7 no. 12:113-118 D '62.
- DONETSK PROVINCE—MACHINERY INDUSTRY—PRODUCTION STANDARDS**
Increase the role of the departments of labor in utilizing the hidden potentialities of production. D. Savich, A. Makevri. Sots. trud 8 no. 1:35-42 Ja '63.
- DONETSK PROVINCE—SAND**
The possibility of providing the building sites of Donetsk Province with high-quality sand for concrete work. A. N. Lytyyn, B. I. Bronshteyn. Vsiyok ABIA URSR no. 3:60-61 '62.
- DONETSK PROVINCE—SERVICE INDUSTRIES**
Departmental duplication. A. Mazmanian. Mest. prom. i khud. promys. 3 no. 12:12 D '62.
- DONETSK PROVINCE—STATE FARMS—FINANCE**
Problems of issuing credit to state farms. Z. Ogdaneta. Den. i kred. 21 no. 1:55-58 Ja '63.
- DONETSK PROVINCE—STOCK AND STOCKBREEDING**
Possibilities for the increase of productivity in animal husbandry. I. N. Anisimov. Veterinariia 37 no. 11:27-30 N '60.
- DONETSK PROVINCE—SURGICAL SOCIETIES**
Activity of the Donetsk Province Society of Surgeons in 1961. M. S. Leichik. Klin. khir. no. 12:87-89 D '62.
- DONETSK PROVINCE—TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS**
Belay system for suggestions and innovations. Avt. transp. 41 no. 1:6 Ja '63.
- DOORS**
Installing and adjusting windows and doors. V. Belovich. Stroitel' 8 no. 2:30-31, 3 of cover F '62.
- DORMANCY IN PLANTS**
Period of rest of the root system of the apple tree. I. A. S. Nesterov. Dokl. AN SSSR 147 no. 5:1230-1233 D '62.
Ripening of fruit and the duration of seed dormancy. P. V. Sapankovich. Trudy Briansk. tekhn. inst. 9:273-280 '60.
- DOSVITNII, OLES', pseud. see Skrypal', Oleksandr Fedorovich, 1891-1934**
- DOUBLE INTEGRALS see Integrals, Multiple**
- DOUBLE REFRACTION see Refraction, Double**
- DOVZHENKO, ALEKSANDR PETROVICH, 1891-1959**
From notebooks (to be continued). Aleksandr Dovzhenko. Isk. kino 33 no. 1:44-56 '63.
Truth and courage of the artist. Mykhailo Kovalenko. Mystetstvo 9 no. 6:11-12 N-D '62.
- DRAGOBYCH—HISTORY**
Municipal government in feudal Dragobych, to the end of the 18th century. I. A. D. Isniyevich. Z ist. URSR no. 6:7:3-20 '62.
- DRAINAGE**
(see also subdivision under Finland; Kursk Magnetic Anomaly; Lithuania; Meshchera Depression; Noruska Valley)
Drainage and irrigation rates for lowland bogs. B. S. Maslov. Gidr. i mel. 14 no. 1:31-38 Ja '63.
Effectiveness of draining grass-Sphagnum pine forests. V. G. Rubtsov. Les. khoz. 15 no. 6:30-42 S '62.
Mechanization of trenchless land drainage operations. V. Gorinskii. Tekhn. v sel'khoz. 22 no. 7:66-63 Ji '62.
Operating conditions of drainage pumping stations and methods for their improvement. R. I. Volkov. Gidr. i mel. 14 no. 1:39-47 Ja '63.
- DRAINAGE—MAPS see subdivision under Eburus, Mount**
- DRAINAGE, SURGICAL**
Comparative evaluation of the methods of surgical treatment and drainage of wounds in paronychia. P. I. Garov. Zdrav. Kazakh. 22 no. 11:21-25 '62.
- DRAINAGE OF MINES see Mine drainage**
- DRAWING—INSTRUCTION**
Educational value of children's drawing. B. P. Iusev. Sov. pedagog. 26 no. 11:40-45 N '62.
- DRAWING (METALWORK)**
Improving the stampability of nonaging 08F10 sheet steel. B. S. Natapov and others. Stal' 23 no. 1:84-85 Ja '63.
- DREDGING MACHINERY**
Operations of a dredger with SARZ-4K automatic control. P. Kulyshov. Rech. transp. 22 no. 1:35-38 Ja '63.
Underwater scraper unit. V. A. Smelov. Transp. stroit. 12 no. 6:53 S '62.
- DRESSMAKING—STUDY AND TEACHING**
Instruction in cutting out and sewing for the students of eight-year schools. N. G. mirzoeva. Shkola i protiv. 6 no. 8:40-43 Ag '62.
- DRIFT see subdivision under Arctic Ocean; Arctic regions; Armenia; Central Siberian Plateau**
- DRIFTING ICE STATIONS**
Drift of the second relief party of the "North Pole-6" station. N. I. Blinov. Probl. Arkt. i Antarkt. no. 10:80-88 '62.
Drifting station "North Pole-6." V. A. Shamont'ev. Probl. Arkt. i Antarkt. no. 10:85-90 '62.
The first drifting ice station. I. Papanin. Mol. karm. no. 5:94-95 My '62.
- DRILL (AGRICULTURAL IMPLEMENT)**
A drill for interplanting corn with forage beans. Sh. Khairov, M. Didenko. Tekhn. v sel'khoz. 22 no. 12:8-11 D '62.
A drill for sowing beans and corn along in the same hole. P. Starikov, N. Chumarev. Tekhn. v sel'khoz. 22 no. 12:5-7 D '62.
- DRILL (AGRICULTURAL IMPLEMENT)—MAINTENANCE AND REPAIR**
Repair of the bottom section of the SKGK-6V drill. G. Rudich. Tekhn. v sel'khoz. 22 no. 12:69-70 F '62.
- DRILLING AND BORING**
Cutting forces during drilling holes with a diameter up to 1 mm. V. M. Fedinaeva, A. K. Sineishchikov. Stan. i instr. 34 no. 1:40-41 Ja '63.
Determining the temperature engendered on the surface of a thread in the screwing-on of a locking thread, allowing for nonsteady-state temperature conditions. I. F. Kasimov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk no. 4:101-104 '62.
Precision in drilling coordinated holes on automatic lines. V. F. Bakharov. Izv. vyz. ucheb. zav. mashinostr. no. 9:60-68 '62.
- Sysoev, V. I. [Handbook for a young drilling machine operator] Spravochnik molodogo sverlovshchika. Moskva, Proftekhizdat, 1962, 270 p.**

DRILLING AND BORING MACHINERY

Ingrankovskii, M. T., and A. A. Simonov. [Unit for boring reducer housings] *Agrognatnaia ustanovka dlia rastochki korpusov reduktorov*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-185/32)
Semiautomatic jig-boring machine with position programming control. I. I. Tarasenko, L. E. Chalk. *Mashinostroenie* no. 6:9-11 N-D '62.
Set of special drilling and boring machines for machining deep holes. V. I. Lopukhin. *Biul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* no. 2:37-39 '63.

DRILLING FLUIDS (OIL WELLS) see Oil well drilling fluids

DRILLING RIGS, OIL WELL see Oil well drilling rigs

DROPPING MERCURY ELECTRODES see Electrodes, Dropping mercury

DROPS

Coefficient of the transfer from impression sizes on tapes either covered with magnesium oxide or without any special covering to droplet diameters. Khuan Mei-luan [Huang Mei-yuan]. *Izv. AN SSSR, Ser. geofiz.* no. 10: 1434-1440 O '62.

DRUGS—PHYSIOLOGICAL EFFECT

Comparative study of the action of some antineoplastic preparations on tissue cultures of macroglial tumors of the human brain. A. E. Goshva. *Probl. sovr. netrokhir.* 4:206-208 '62.

Conditioned reflex pupillary reactions to the administration of adrenomimetic and antihistaminic substances. V. P. Baskanova. *Vrach. delo* no. 11:143-145 Ja '63.

Effect of ephyllin, papaverine, nitroglycerin and chlorazepine on the tone of the coronary vessels and oxygen absorption by the myocardium under conditions of heart isolation by Langendorff's method [with summary in English]. V. V. Butanov, I. E. Kislin. *Vest. AMN SSR* 18 no. 1:30-40 '63.

Effect of pharmacological substances on the reflex reactions of the coronary vessels caused by stimulation of the cardiac receptors [with summary in English]. N. V. Kaverina. *Vest. AMN SSR* 18 no. 1:10-17 '63.

Pharmacological aspects influencing cardiac blood circulation [with summary in English]. V. V. Zakusov. *Vest. AMN SSR* 18 no. 1:3-8 '63.

Prevention of disorders in the myocardial blood supply caused by stimulation of the cerebral cortex by pharmacological agents [with summary in English]. I. E. Kislin, L. N. Sinitsin. *Vest. AMN SSR* 18 no. 1:18-23 '63.
Some problems in the clinical aspects of drug intolerance [with summary in English]. E. LA. Severova. *Sov. med.* 26 no. 12:55-67 D '62.

DRUGSTORES

(see also subdivision under Moscow)
Standard plans for rural drugstores. IU. Gol'dberg. *Sell. stroi.* 15 no. 3:insert Mr '60.

DYEING

Analytical study of heat and mass transfer in an infinite plate and sphere. M. S. Kozlova. *Trudy MTIPP* 15: 74-81 '60.

Experimental study of kinetics and dynamics in the drying process of capillary-porous solids. E. I. Sizakova. *Trudy MTIPP* 15:51-57 '60.

How to intensify atomizing drying [with summary in English]. M. V. Lykov, B. I. Leonchik, O. L. Danilov. *Inzh. - fiz. zhur.* 5 no. 12:34-40 D '62.

Investigating the drying process of capillary-porous materials. E. I. Sizakova. *Trudy MTIPP* 15:93-100 '60.

Mechanism underlying moisture transfer in the drying of colloidal capillary-porous bodies [with summary in English]. N. V. Churaev. *Inzh. - fiz. zhur.* 6 no. 2:31-37 F '63.

Methodology of investigating a combined intermittent drying process. V. A. Danilov. *Trudy MTIPP* 15:101-104 '60.

Radiotracer method for studying the mechanism of moisture transport in drying [with summary in English]. N. V. Churaev. *Inzh. - fiz. zhur.* 5 no. 12:41-47 D '62.

Vapor transfer inside a moist material during intermittent changes of its surface temperature conditions. D. N. Onchukov. *Trudy MTIPP* 15:82-87 '60.

Water vapor diffusion in capillaries. N. N. Fedlak. *Trudy MTIPP* 15:106-113 '60.

DRYING APPARATUS

Belt conveyor dryers for paperboard. I. V. Bogdanov, I. M. Evzlin. *Bum. prom.* 38 no. 1:27-28 Ja '63.
Combined closet and drying room. B. Plavin, D. Ausker. *Stroitel'* 6 no. 2:27-28 F '63.

Drying apparatus with a fluidized bed. P. G. Romankov and others. *Khim. prom.* no. 11:822-827 N '62.
Drying of pastelike materials and solutions in a fluidized bed. P. G. Romankov, N. B. Rashkovskaya. *Khim. prom.* no. 11:836-838 N '62.
Heat-radiation drying. A. Putyrskii. *Zhii. - kom. khoz.* 12 no. 9:25 S '62.

Improving the heat insulation shielding of drying machinery. G. S. Navasardian, R. A. Kukrov. *Tekst. prom.* 23 no. 1:20-22 Ja '63.

Innovations in the technique of drying of wet materials in a fluidized bed. B. S. Sazhin. *Khim. prom.* no. 11: 830-836 N '62.

Preparation of dry granulated nitrophoska from pulp in an apparatus with a fluidized bed. N. A. Shakhova, A. I. Ryckov. *Khim. prom.* no. 11:839-842 N '62.

Rotary machine for spreading green malt in horizontal multistorey malt kilns. *Spiri. prom.* 28 no. 1:33-35 '63.

Technological design of air stream apparatus for drying free-flowing materials. B. S. Sazhin, IU. A. Miklin. *Khim. prom.* no. 11:819-822 N '62.

DRYING APPARATUS—FOUNDRY SAND

Sand drying in suspension. M. N. Zolotykh. *Lit. proizv.* no. 7:30-40 Ji '62.

DRYING APPARATUS—TEXTILE FABRICS

Modern design of machines for yarn and fabric drying; review of foreign literature and patents. E. I. Frenkel'. *Tekst. prom.* 23 no. 1:85-87 Ja '63.

DRYING OILS

Entrapping of harmful volatile substances in the manufacture of drying oils. G. K. Premet. *Lakokras. mat. i kh. prim.* no. 1:65-67 '63.

DUBENKI DISTRICT—SHEEP—DISEASES AND PESTS

Prophylaxis of alimentary katonuria in pregnant sheep by feeding them pine needles. E. N. Zhuraviev. *Veterinariia* 38 no. 10:60-61 O '61.

DUBINSKII, DAVID ALEKSANDROVICH, 1920-1960

D. Dubinskii's works. E. Gankina. *Iskusstvo* 25 no. 9: 35-40 '62.

DUBNA—NUCLEAR PHYSICS—RESEARCH

In the Institute of Nuclear Research. A. Belovskii. *Nar. khoz. Kazakh.* 20 no. 12:72-74 D '62.

DUCKS see subdivision under Sladky Liman region; White Sea region

DUCKS—DISEASES AND PESTS see subdivision under Moscow Province; Voronezh Province

DUCTUS ARTERIOSUS

Case of patent ductus arteriosus. R. L. Tomasian. *Vop. rent. i onk.* 6:163-166 '61.

Diagnosis of the patent ductus arteriosus. G. A. Natsvli-shvili. *Trudy Inst. ekep. i klin. khir. i gemat. AN Gruz. SSR* 10:108-117 '62.

DUMP TRUCKS

Present status and future development of automotive transportation in mines. M. V. Vasil'ev. *Avi. prom.* 29 no. 2:4-7 F '63.

DUMPING APPLIANCES

Arrangement for the tilting of 55-100-ton capacity dump-cars. K. E. Savranskii, A. B. Mezheritser. *TSvet. met.* 36 no. 2:88-91 F '63.

DUMPING SYNDROME

Dumping syndrome; a survey of the Soviet and foreign literature. G. G. Karavanov, O. V. Fil'is. *Klin. khir.* no. 11:6-15 N '62.

DUNDIC, ALEKO, 1892-1920

Aleko Dundic, a hero of the civil war; on the 70th anniversary of his birth. I. Strelto. *Voen. ist. zhur.* vol. 5 no. 1:126-128 Ja '63.

DUNGAN EMBROIDERY see Embroidery, Dungan

DUNGAN LANGUAGE—FOREIGN WORDS AND PHRASES

Phonetic assimilation of Russian loan words in the Dungan language. Kh. B. Bagazov. *Izv. AN Kir. SSR, Ser. obshchestv. nauk* 2 no. 2:13-34 '60.

DUNGAN LANGUAGE—NOUN

Formation of trisyllable nouns in the Dungan language. IU. TSunvazov. *Izv. AN Kir. SSR, Ser. obshchestv. nauk* 2 no. 2:35-52 '60.

DUNGANS

Agricultural reform among the Soviet Dungans. Kh. Iusurov. *Izv. AN Kir. SSR, Ser. obshchestv. nauk* 2 no. 2:67-90 '60.

Characteristics of the administrative organization and social relations in the Dungan Alliance of Cities, 1863-1872. G. G. Stratanovich. *Izv. AN Kir. SSR, Ser. obshchestv. nauk* 2 no. 2:53-65 '60.

Materials on the history of Soviet Dungans. IU. IUsupov. *Izv. AN Kir. SSR, Ser. obshchestv. nauk* 2 no. 2:91-110 '60.

The state and tasks of Soviet Dungan studies. M. Sushanlo. *Izv. AN Kir. SSR, Ser. obshchestv. nauk* 2 no. 2:5-11 '60.

DUNITE see subdivision under Denezhkin Kamen'; Tuva A.S.S.R.

DUODENUM—DIVERTICULA

Diverticula of the duodenum. S. N. Mamykin. *Klin. khir.* no. 12:37-41 D '62.

Diverticula of the stomach and the duodenum [in Georgian with summary in Russian]. M. E. Komakhidze. *Trudy Inst. ekep. i klin. khir. i gemat. AN Gruz. SSR* 10: 177-182 '62.

DUODENUM—RADIOGRAPHY

X-ray study of functional disorders of the stomach and the duodenum in calculous and non-calculous cholecystitis. B. B. Khanabian. *Vop. rent. i onk.* 6:67-75 '61.

DUPUYTREN'S CONTRACTURE

Clinical aspect and treatment of Dupuytren's contracture. Z. N. Pavlova. *Nauch. trudy Chetv. Mosk. gor. klin. bol'n.* no. 1:138-144 '61.

DUST

Apparatus for measuring the size of dust particles. M. M. Fedorov. *Fiz. v shkole* 22 no. 6:49-50 N-D '62.

DUST—REMOVAL

Investigating aerodynamic parameters of a dry dust-catching system in drilling blast holes. V. V. Tkachev. *Bezop. truda v prom.* 7 no. 2:25-26 F '63.

DUST COLLECTORS

Assembling the system of precipitation electrodes of an electrostatic filter in large blocks. I. I. Biriukov. *Mont. i spets. rnb. ystroi.* 25 no. 3:11-13 Mr '63.
Automotive dust-collector. A. N. Mazalov, M. IA. Mintsis. *Mekh. i avtom. proizv.* 17 no. 2:35 F '63.

DWELLINGS see subdivision under Kalinovka (Khomutovka District)

DWELLINGS—STANDARDS

Heavy volumes instead of a few sketches. T. Tuhai. *Sil'bud.* 13 no. 2:13 F '63.

DYANITE

Investigating the flotation properties of diethene depending on its structural characteristics. I. K. Kamenov, S. K. Pironkov. *TSvet. met.* 36 no. 2:80-82 F '63.

DYBENKO, PAVEL EFIMOVICH, 1889-1938

Nolacov, V. A. Pavel Efimovich Dybenko. Moskva, TSentr. muzei Sovetskoi Armii, 1962. 18 p.

DYES AND DYEING

Black dyeing of lavsan. M. G. Gordienko, R. YA. Kravchenko, E. A. Kuznetsova. *Leh. prom.* no. 8:74-75 Je-Ag '62.

Calculation of the stationary value of a reversible photodichroism of viscous solutions. O. V. Stolbova. *Dokl. AN SSSR* 149 no. 1:84-87 Mr '63.

DYES AND DYEING—APPARATUS

Using the VAKT-3 apparatus for dyeing "lavsan" (polyester) fibers. R. B. Makhnovetskaya, G. A. Sobolev, V. A. Timoshov. *Tekst. prom.* 23 no. 1:65-68 Ja '63.

DYES AND DYEING—CHEMISTRY

Investigating the diffusion properties of acid metal-containing dyes. E. E. Starikov, A. A. Kharkharov. *Izv. vys. ucheb. zav. i tekhn. tekst. prom.* no. 6:111-116 '62.
Studying the structure of metallized dye complexes. Report No. 3: Formation of color complex compounds from 1,8 dioxynaphthalene-3,6 disulfonic acid (chromotropic acid). P. I. Mikhailenko, V. I. Butenko. *Izv. vys. ucheb. zav. i tekhn. tekst. prom.* no. 8:103-110 '62.

DYES AND DYEING—KNIT GOODS

Dyeing of knit fabrics with indigosol and vatsoil dyes. V. F. Iakunkina. *Nauch. - issl. trudy VNIITF* no. 2: 143-147 '60.

Experience of a factory laboratory. A. I. Podgorneva, M. B. Brukhlinovich, L. I. Novozhilova. *Tekst. prom.* 23 no. 1:74 Ja '63.

DYES AND DYEING—PLASTICS

Dyes for polyvinyl chloride films. A. A. Singuh-Lavrenko, R. V. Katseva. *Plast. massy* no. 1:37-39 '63.

DYES AND DYEING—SILK

Economic efficiency of production lines in dyeing and finishing shops of the silk industry. I. V. Gankin. *Biul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* no. 2:61-63 '63.

DYES AND DYEING—TEXTILE FIBERS

Consultation. *Tekst. prom.* 23 no. 1:93 Ja '63.
Use of ultrasonic waves for dye dispersion. L. G. Smirnova, A. V. Tiurin. *Tekst. prom.* 23 no. 1:89-93 Ja '63.

DYNAMICS

Evaluation of the dynamic precision of some systems. V. N. Akimov. *Trudy MAI* no. 147:72-75 '62.
Obtaining optimum processes in dynamic systems of the second order. A. V. Repnikov. *Trudy MAI* no. 147:27-34 '62.

DYNAMICS—STUDY AND TEACHING

Studying the inclined plane in the seventh grade. N. I. Ovsianikov. *Fiz. v shkole* 22 no. 6:78 N-D '62.

DYNAMICS, MOLECULAR see Molecular dynamics

DYNAMICS OF A PARTICLE

Radiation from a single charge in a semi-infinite wave guide filled with a dielectric substance. E. L. Burshtein, G. V. Voskresenskiy, Zhur, tekhn. fiz. 33 no. 1:34-42 Ja '63.

DYSENTERY

Comparative characterization of the effectiveness of different methods of treatment in combination with vitamin C during acute dysentery. Kh. Z. Zakirov, Nauch. trudy uch. i prak. vrach. Uzb. no. 3:172-183 '62.

Hypovitaminosis C in children suffering from dysentery. I. F. Pazylov, Nauch. trudy uch. i prak. vrach. Uzb. no. 3:168-171 '62.

Importance of the skin test with TSuvertalov's allergen in the diagnosis of dysentery in children. T. V. Burova, Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:73-80 '61.

Some immunogenic indices in patients with chronic, recurrent dysentery in the light of the teaching regarding the variability of the pathogens. A. I. Korte, Shor. rab. Sverd. med. inst. no. 3:151-157 '61.

Specific phages in the diagnosis of bacterial dysentery. Report no. 1. N. A. Akhmedov and others, Nauch. trudy uch. i prak. vrach. Uzb. no. 3:151-157 '62.

Spectral determination of copper content in the blood of some patients with infectious diseases. V. A. Gladkov, I. U. L. Vechelkovskiy, Shor. rab. Sverd. med. inst. no. 3:212-126 '61.

Thymol-veronal test of dysentery patients [with summary in English]. N. M. Pestrikova, Vrach. delo no. 11:92-85 N '62.

DYSENTERY—PREVENTION

Prevention of dysentery in large groups of adults [with summary in English]. N. Z. Iakobson, Trudy TomNIIVS 11:107-113 '60.

DYSENTERY—PREVENTIVE INOCULATION

Study of the protein content of the blood serum of rabbits by paper electrophoresis during their immunization with dysentery antigen vaccines [with summary in English]. O. A. Vasil'eva, Trudy TomNIIVS 11:261-265 '60.

DYSPEPSIA

Histopathology of the liver in toxic dyspepsia of newborn calves. L. Kosinov, Shor. stud. nauch. -issl. rab. VSKHI 1 no. 1:173-177 '62.

Role of vitamin and mineral deficiencies in the etiology of dyspepsia in newborn calves. A. A. Alekseeva, Trudy Uz. nauch. -issl. inst. vet. 14:189-198 '61.

DYSTROPHY

Use of royal jelly preparation in the treatment of dystrophy in infants. M. P. Vasil'eva, Inform. biol. o mat. moloch. no. 3:54-58 '62.

DZERZHINSKI, FELIKS EDMUNDOVICH, 1877-1926

"A soldier of great battles" by A. Khatskevich. Reviewed by G. M. Liubarov, Nov. i noveish. ist. no. 6: 161-162 '62.

DZHAMBUL—CONSTRUCTION INDUSTRY—MANAGEMENT

What hinders normal work. V. Kaliapin, Nar. khoz. Kazakh. 20 no. 11:44-45 N '62.

DZHAMBUL PROVINCE—GOITER

Endemic goiter in Dzhambul Province. D. D. Busembin, Zdrav. Kazakh. 22 no. 11:35-37 '62.

DZHANYBEK DISTRICT—COOPERATIVE SOCIETIES

Under the control of the people. B. Abkalin, Koop. Kazakh. 5 no. 4:29-30 Ap '62.

DZHEITY-SU see Semirech'ye

DZHEZKAZGAN DISTRICT—GEOLOGY, ECONOMIC

Narkellian, L. F. [Geology and mineralization of the Dzhazkazgan deposit; based on materials of the Pokro ore region] Geologiya i rudnenie Dzhazkazganskogo mestorozhdeniya; po materialam rudnogo ratona Pokro. Moskva, Izd-vo Akad. nauk SSSR, 1962, 128 p. (Akademika nauk SSSR. Institut geologii rudnykh mestorozhdenii, petrologii, mineralogii i geokhimii. Trudy, no. 87)

DZHIZAK DISTRICT—INDUSTRIAL MANAGEMENT

Qualified party guidance should be provided for enterprises and construction. S. Durnikin, Part. zhizn' [Uzb.] 6 no. 1:59-60 Ja '63.

DZHUMGAL'SKIY DISTRICT—MINERAL WATERS—ANALYSIS

Origin of CO₂ in carbonated springs of Karakche and Dzharatsha. V. K. Kadyrov, K. K. Kaziev, Sov. geol. 6 no. 12:115-118 D '62.

DZHUVALINSKIY DISTRICT—POLITICS AND GOVERNMENT

Far from the seat of our district. S. Kuanyshbaev, Sov. deput. trud. no. 3:41-46 Mr '63.

EAR

Characteristics of the otoneurological symptomatology in tumors of the posterior cranial fossa in children. N. S. Blagoveschenskaya, Probl. sov. neirokhir. 4: 235-241 '62.

Data for the study of the effect of ultrasonic waves on the ear of experimental animals [with summary in English]. V. A. Simolin, Zhur. ush., nos. i gorl. bol. 22 no. 4: 43-51 Ji-Ag '62.

EAR—ABNORMALITIES AND DEFORMITIES

Anomaly in the development of the stapes and fenestra ovalis. V. L. Lifanov, Zhur. ush., nos. i gorl. bol. 22 no. 4:79-80 Ji-Ag '62.

EAR—DISEASES

Audiometric study of subjective murmurs in the ear before and after intervention on the stapes [with summary in English]. A. I. Tsyganov, Zhur. ush., nos. i gorl. bol. 22 no. 4:37-43 Ji-Ag '62.

Prophylaxis for hearing disorders. I. I. Potapov, Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:259-263 '61. X-ray diagnosis of chronic otitis. M. G. Bagdasarian, Vop. rent. i onk. 6:103-111 '61.

EAR—INFLAMMATION

Primary acute suppurative inflammation of the ear of diptherial etiology. M. M. Levashov, Zhur. ush., nos. i gorl. bol. 22 no. 4:85-86 Ji-Ag '62.

Special form of suppurative inflammation of the middle ear caused by BCG vaccine in nursing infants [with summary in English]. I. A. Lifshits, Zhur. ush., nos. i gorl. bol. 22 no. 4:61-64 Ji-Ag '62.

EAR—TUMORS

Case history of a giant cholesteatoma of the ear. A. I. Rylkin, Zhur. ush., nos. i gorl. bol. 22 no. 4:82-83 Ji-Ag '62.

Conservative treatment of patients affected by limited labyrinthitis caused by cholesteatoma of the middle ear. V. S. Pogosov, S. M. Gurvich, Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:283-286 '61.

EARTH

"Our unknown planet; results of the International Geophysical Year" by B. I. Silkin, V. A. Troitskaya, N. V. Shebalin. Reviewed by A. P. Kapitsa, Priroda 52 no. 2:121-123 '63.

Some problems concerning the transformation of nature and the development of earth sciences. A. G. Doskach, Vop. filos. 17 no. 2:161-164 '63.

Stages in the development of external geospheres and sedimentary rocks in the history of the earth. N. M. Strakhov, Izv. AN SSSR, Ser. geol. 27 no. 12:3-22 D '62.

Stages in the development of the Quaternary mammal fauna as the reflection of evolution stages of the earth. V. I. Gromov, E. A. Vangengeim, K. V. Nikiforova, Izv. AN SSSR, Ser. geol. 28 no. 1:46-65 Ja '63.

EARTH—FIGURE

Determination of the figure of the earth with a relative error for the square of the bulge of the ellipsoid. I. F. Morin, Izv. vys. ucheb. zav. i geod. i aerof. no. 4:101-115 '62.

EARTH—INTERNAL STRUCTURE

Session devoted to the use of seismic data in the study of the internal structure of the earth held by the Committee on Seismology and the Scientific Committee of the Institute of Earth Physics in connection with the centenary of the birth of the father of seismology, Academician B. B. Golitsyn. V. M. Arkhangelskaya, Izv. AN SSSR, Ser. geofiz. no. 10:1399-1403 O '62.

EARTH—MAGNETISM see Magnetism, Terrestrial

EARTH—ROTATION

Possible effect of the earth's rotation forces on the morphological structure of the Arctic and the Antarctic. P. S. Voronov, I. A. Gakkel', A. D. Sytinskiy, Probl. Arkt. i Antarkt. no. 10:17-24 '62. Rotation of the earth and the circulation of the atmosphere. Priroda 52 no. 2:116 '63.

EARTH—SURFACE

(see also subdivision under Arctic regions)

Crustal development in the tectogenetic process. A. A. Borisov, Izv. AN SSSR, Ser. geol. 28 no. 2:3-6 F '63. Results of using seismologic data in studying the deeper structure of the earth's crust in Central Asia. V. I. Ulomov, Izv. AN SSSR, Ser. geofiz. no. 10:1307-1310 O '62.

Some electrical properties of earth rocks and their comparison with those of lunar surface layers [with summary in English]. V. D. Krotikov, Izv. vys. ucheb. zav. i radiofiz. 5 no. 6:1057-1061 '62.

Star orbits of earthly sciences. L. Cheshkova, Vokrug sveta no. 11:9-12 N '62.

EARTH CURRENTS

Ceskoslovenská akademie věd, Geofyzikální ústav. [Results of geomagnetic, telluric, and ionospheric measurements made at the observatories of Píluhovec, Píluhovec, and Píluhovec during 1957] Rezultáty geomagnetických, tellurických i ionosférických měření provedených v observatorích Píluhovec, Píluhovec i Píluhovec v roce 1957. [1. vyd.] Prague, Izd-vo Československé akademie věd, 1959, 306 p. (NN)

Structure of the earth's natural electromagnetic field in the frequency range of 0.5-100 c.p.s. N. P. Vladimirov, N. G. Kleimenova, Izv. AN SSSR, Ser. geofiz. no. 10: 1368-1374 O '62.

EARTH SATELLITES see Artificial satellites

EARTHMOVING MACHINERY

Elevating graders and scraper planes. I. A. Nedorezov, D. I. Fedorov, Transp. stroi. 12 no. 7:28-33 Ji '62.

Highly productive use of the MKTS-2 foundation ditch digger. M. F. Fedotovskiy, Transp. stroi. 12 no. 7: 14-16 Ji '62.

Scrapers and dump semitrailers used in earth and rock excavation. A. I. Safronov, Biol. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:91-95 '63.

Tool for leveling levees cut for leaching irrigations and rice. V. G. Chernikov, Nauch. trudy UzNIIME no. 4: 3-6 '59.

Work methods with earth-working machinery. O. Katkov, Stroitel' 8 no. 1:20-23 Ja '62.

EARTHMOVING MACHINERY—MAINTENANCE AND REPAIR

A factory of communist labor. V. M. Skopinitskiy, Transp. stroi. 12 no. 7:6-7 Ji '62.

EARTHMOVING MACHINERY—TECHNOLOGICAL INNOVATIONS

Inventions. Gor. zhur. no. 2:74-75 F '63.

EARTHQUAKES

(see also subdivision under Caucasus; Kamchatka)

Exponential distribution of the total number of earthquake aftershocks and the decrease of its mean value with depth. S. L. Solov'ev, O. N. Solov'eva, Izv. AN SSSR, Ser. geofiz. no. 12:1605-1604 '62.

EARTHQUAKES AND BUILDING

Actual measurements of the vibrations of a large-panel apartment house. V. S. Pavlyuk, Trudy TSNIISK no. 18: 124-143 '62.

Calculation of the inertial forces of the solid foundation and of the reactions of the soil foundation in designing special structures for earthquake resistance. I. S. Opletian, Trudy TSNIISK no. 10:101-200 '62.

Effect of the plane extension of a building on the intensity of the seismic load acting on it. I. L. Korshinskiy, Trudy TSNIISK no. 18:42-50 '62.

Free torsion-shear vibrations of buildings. V. S. Probozhenskii, Trudy TSNIISK no. 18:144-154 '62.

Mechanical similitudes of solid bodies and their use in studying construction designs and the seismic resistivity of structures. A. G. Nazarov, Izv. AN Arm. SSR, Ser. tekhn. nauk 15 no. 6:3-12 '62.

Problem of the precision of design for seismic effect. I. L. Korshinskiy, Trudy TSNIISK no. 18:20-41 '62.

Stand for testing earthquake resistance. N. I. Strashkin, Trudy TSNIISK no. 18:201-204 '62.

Standard design of brick wall reinforcements for multi-story buildings in districts with a seismicity of nine points. I. A. M. Aizenberg, Trudy TSNIISK no. 18:155-160 '62.

Standardizing seismic loads; a note. V. A. Bykhovskiy, I. I. Gol'denblat, I. L. Korshinskiy, Trudy TSNIISK no. 18:205-206 '62.

EARTHWORK

Practice of digging prospecting trenches with artificial eroding streams. G. V. Ivanov, Razved. i okh. neft. 29 no. 1:35-39 Ja '63.

Reducing the volume of trenches in general stripping of deposits. V. I. Pechkovskiy, A. A. Chernogov, Trudy Inst. gor. dela AN URSR no. 11:92-94 '62.

Working soil with excavators. V. Kozko, Na stroi. Ros. 3 no. 12:27-29 D '62.

EAST (FAR EAST) see Far East

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST EUROPEAN PLAIN—AGRICULTURE—MAPS

Vidina, A. A. [Methodological instructions for large-scale field studies of land characteristics for agricultural purposes in the central part of the East European Plain] Metodicheskie kazaniya po polevym krayemashabnym landshaftnym issledovaniyam; dlia tsel'ei sel'skokhoziaistvennogo proizvodstva v srednei polose Russkoi ravniny. Pod red. N. A. Solntseva. Moskva, Mosk. gos. univ., 1962, 119 p.

EAST GERMANY see Germany, East

EAST KAZAKHSTAN PROVINCE—MINES AND MINERAL RESOURCES

The practice is neither adhered to nor abolished. V. Rudnev, Nar. khoz. Kazakh. 20 no. 12:50-52 D '62.

EAST KAZAKHSTAN PROVINCE—NONFERROUS METAL INDUSTRIES

It is time to use low grade ores in production. I. U. Voronkov, Nar. khoz. Kazakh. 20 no. 11:26-28 N '62.

EASTERN EUROPE see Europe, Eastern

EASTERN ORTHODOX CHURCH see Orthodox Eastern Church

EASTERN QUESTION (FAR EAST)

Source materials relating to Russian policy in the Far East in the early 19th century. Submitted by V. G. Sirotkin. Ist. arkh. 8 no. 6:85-99 N-D '62.

EASTERN SIBERIA see Siberia, Eastern

EBULLITION

Effect of the tube diameter on the magnitude of the critical thermal load in boiling of water [with summary in English]. R. A. Rybin. Inzh. - fiz. zhur. 6 no. 2:16-10 F '63.

Experimental study of heat transfer and critical thermal loads in free boiling of water [with summary in English]. V. S. Golovin, B. A. Kol'chugin, D. A. Labuntsov. Inzh. - fiz. zhur. 6 no. 2:3-7 F '63.

Generalization of experimental data on heat transfer in nucleate boiling on the basis of the theory of thermodynamic similarity [with summary in English]. V. M. Borisovskii, A. P. Kozyrev. Inzh. - fiz. zhur. 5 no. 12:3-8 D '62.

ECHINOCOCCUS see Hydatids

ECHO SOUNDING

(see also subdivision under Germany, West; Great Britain)

New developments in the design of echo sounders. K. A. Strel'tsev. Inform. sbor. TSNIMF no. 60, Sudovozh. i aviaz. no. 15:3-7 '61.

ECONOMIC, MATHEMATICAL see subdivision under Armeia

ECONOMIC ASSISTANCE, AMERICAN see subdivision under Vietnam, South

ECONOMIC ASSISTANCE, CHINESE see subdivision under Mongolia

ECONOMIC ASSISTANCE, RUSSIAN see subdivision under Communist Countries; Egypt

ECONOMIC GEOLOGY see Geology, Economic

ECONOMIC HISTORY

Aydakov, I. U. K., and F. I. A. Polianskii, eds. [Economic history of capitalist countries] Ekonomicheskaya istoriya kapitalisticheskikh stran; kurs lektsii. Moskva, Sotssekgiz, 1962. 334 p.

Brief news. Mir. ekon. i mezhdunar. otn. no. 1:105-106 '63.

Crisis of world capitalism: figures and facts. Polit. samoebr. 6 no. 10:74-76 O '62.

[The economy of capitalist countries in 1961; economically developed countries] Ekonomika kapitalisticheskikh stran v 1961 godu; ekonomicheski razvitiye strany. Pod red. I. U. N. Kapelinskogo. Moskva, Sotssekgiz, 1962. 447 p.

[International yearbook for 1962; politics and economics] Mezhdunarodnyi ozhegodnik; politika i ekonomika. Vypusk 1962 g. Moskva, Gospolitizdat, 1962. 423 p.

New rise of the workers' and national liberation movements. K. Maidanik, K. Kholodkovskii. Polit. samoebr. 6 no. 10:63-73 O '62.

Soviet students of Marxism have met with the foreign Marxists. G. R. Nov. i novela. Ist. no. 6:180 '62.

The structure of production in the U. S. S. R. and abroad. I. Berr, I. U. Shvyrkov. Vop. ekon. no. 1:133-144 Ja '63.

Uneven development and increasing economic conflicts in the imperialist camp. I. Sokolov. Polit. samoebr. 6 no. 10:51-62 O '62.

ECONOMIC HISTORY—SOURCES

Analysis of some aspects of the business correspondence of the Supreme Council of the National Economy as historical sources. G. I. A. Tario. Trudy MGAI 16: 133-157 '61.

ECONOMIC INTEGRATION see subdivision under Europe

ECONOMIC RESEARCH

Economic research conducted by a group assigned specific problems. N. S. Spiridonova, I. N. Gromova. Vest. vys. shkoly 21 no. 1:74-70 Ja '63.

ECONOMIC ZONING see subdivision under Canada; Hungary; Russia, Northern; United States; Vietnam, North

ECONOMICS

(see also subdivision under White Russia)

Akademii nauk SSSR, Institut ekonomiki. [Economics] Politicheskaya ekonomika; uchebnik. 4., perer. i dop. izd. Moskva, Gospolitizdat, 1962. 702 p.

The basic economic law of socialism and the methodology of economics. K. Ostrovitianov. Vop. ekon. no. 1: 98-113 Ja '63.

Buzumt, I. G. [Criticism of bourgeois economics] Kritika burzhuaznoi politicheskoi ekonomii. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 3. [Crisis of modern bourgeois economics] Krizis sovremennoi burzhuaznoi politicheskoi ekonomii. 1962. 378 p.

"Dissertations on finance, currency circulation, credit, accounting and analysis of administrative operations defended for doctors' and candidate degrees, 1939-1961." Book review. Vest. vys. shkoly 21 no. 2:96 F '63.

Economic laws and their use in socialism. V. Astashov, S. Vetrova. Sbor. stud. nauch. - issl. reb. VSKIII 1 no. 1:13-17 '62.

On the basic economic law of socialism. Vop. ekon. no. 1:114-122 Ja '63.

Smith, Adam. [An inquiry into the nature and causes of the wealth of nations. Translated from the English] Issledovanie o prirode i prichinakh bogatstva narodov. Moskva, Sotssekgiz, 1962. 683 p.

[Socialist production and distribution] Sotsialisticheskoe proizvodstvo i raspredelenie. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 431 p. (Sotsialisticheskii sposob proizvodstva, no. 2)

ECONOMICS—BIBLIOGRAPHY see Bibliography—Economics

ECONOMICS—STUDY AND TEACHING

(see also subdivision under Chernigov)

Economic problems should be the center of the political work with the masses. M. Morozov. Agitator no. 2: 6-11 Ja '63.

Realistic is what is economical. A. I. Neimark, S. A. Sokolitsyn. Vest. vys. shkoly 21 no. 2:36-38 F '63.

Zinchenko, G. I. [Study of economics in the system of political education] Izuchenie ekonomiki v sisteme politicheskogo prosvetsheniia. Moskva, Gospolitizdat, 1962. 62 p.

ECONOMICS—STUDY AND TEACHING—BIBLIOGRAPHY see Bibliography—Economics—Study and teaching

ECONOMICS—TEXTBOOKS

"Political economy." Reviewed by Ostrovitianov. Polit. samoebr. 7 no. 1:132-135 Ja '63.

"Principles of economics; popular textbook" by P. I. Nikitin. Reviewed by O. Bakovetskii. Polit. samoebr. 7 no. 1:135-137 Ja '63.

ECONOMICS, MATHEMATICAL

Conferences on the mathematical methods of economic research. V. V. Kozlov. Vest. AN SSSR 33 no. 2: 128-130 F '63.

Force the application of mathematics in economics. Vop. ekon. no. 1:84-87 Ja '63.

Mathematics as a tool for economists. P. P. Maslov, A. I. Bolarskii. Vest. vys. shkoly 21 no. 1:33-38 Ja '63.

Nemchinsky, V. S. [Mathematical economics methods and models] Ekonomiko-matematicheskie metody i modeli. Moskva, Sotssekgiz, 1962. 409 p.

ECUMENICAL MOVEMENT

About the "Week of prayers for Christian unity."

I. Voronov. Zhur. Mosk. Patr. no. 1:53-56 Ja '63.

Session of the Central Committee of the World Council of Churches in Paris, August 1962. A. Shishkin. Zhur. Mosk. Patr. no. 1:55-61 Ja '63.

ECZEMA

Leonova, P. M. [Clinical aspects and treatment of eczema; clinical and physiological study] Klinika i lechenie ekzemy; kliniko-fiziologicheskoe issledovanie. Minsk, Gosizdat, BSSR, 1962. 227 p. (DNLM)

EDDAS

Edda Saemundar. [The Elder Edda; Old Icelandic songs about gods and heroes. Translated from the Old Icelandic] Starshala Edda; drevnoislandskie pesni o bogakh i gerolakh. Red., vstup. stat'ia i kommentarii M. I. Stoblin-Kamenskogo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 257 p.

EDEMA

Morphological characteristics of the correlation between swelling and vascular changes in the brain in various forms of cerebral pathology [with summary in English]. I. U. N. Kvintitskii-Ryzhov. Vrach. delo no. 1:72-75 Ja '63.

EDUCATION

(see also subdivision under Belgorod Province; Cambodia; Mali; Mongolia; Tajikistan; United States)

Always creatively! Nar. obr. no. 2:1-5 F '63.

Banner of the Great October. Sov. pedagog. 26 no. 11: 3-9 N '62.

Chapters from a textbook on education. Sov. pedagog. 26 no. 11:86-160 N '62.

The cultural revolution in the U. S. S. R. V. Kumanov. Polit. samoebr. 6 no. 10:41-50 O '62.

Education is the concern of the party and the whole nation. Biol. v shkole no. 5:3-7 S-O '62.

Let's improve the quality of general and technical training of students. K. I. Zolotar'. Sov. pedagog. 26 no. 11: 9-21 N '62.

Obshchestvo po rasprostraneniui politicheskikh i nauchnykh znanii RSFSR, Leningradskoe otdeleniye. [The Soviet school on a new course] Sovetskaya shkola na novom puti. [Nauchnyi redaktor A. K. Bushlila] Leningrad, 1960. 198 p. (CU)

Party work in schools. Part. zhizn' no. 5:49-55 Mr '63.

Self-education is an imperative need of the times.

V mire knig 2 no. 10:47 O '62.

Third Plenum of the Central Committee of the Trade Union. Vest. vys. shkoly 21 no. 2:83 F '63.

EDUCATION—BIBLIOGRAPHY see Bibliography—Education

EDUCATION—EXHIBITIONS see subdivision under Ust'-Kamenogorsk

EDUCATION—FINANCE

Prevent the inefficient expenditure of funds for social and cultural measures. V. Basov. Fin. SSSR 37 no. 2: 33-40 F '63.

Readers suggest. L. Vdovina and others. Fin. SSSR 37 no. 1:84 Ja '63.

EDUCATION—PERIODICALS

A. A. Chumkov, editor of "Zhurnal dlia vospitaniia." I. M. Nefedova. Dokl. APN 6 no. 5:69-72 '62.

Read it in the periodicals. Nar. obr. no. 2:126 F '63.

EDUCATION, COOPERATIVE

(see also subdivision under Izhevsk; Kemerovo Province; Leningrad; Novosibirsk; Poltava District; Sverdlovsk; Taganrog)

Carrying out the law on school reorganization. N. Dolenko. Shkola i prosv. 6 no. 9:93-95 S '62.

Combining instruction with productive work. G. B. Kadin. Sred. spets. obr. 9 no. 12:19-22 D '62.

Communist Youth League organizations should give more attention to the production training of students. R. A. Kurbatova. Shkola i prosv. 6 no. 8:5-7 Ag '62.

Continuous vocational training. V. Bolotinskii. Shkola i prosv. 7 no. 1:20 Ja '63.

Editor's mail. Shkola i prosv. 7 no. 1:81-82 Ja '63.

Everyone should be employed as an engineer technologist. D. P. Semchenko. Vest. vys. shkoly 21 no. 2:13-15 F '63.

Inculcating an interest in knowledge and work.

T. Komarnitskii. Nar. obr. no. 2:43-45 F '63.

Industrial bases are one of the main problems. V. A. Samokhvalov. Vest. vys. shkoly 21 no. 2:10-13 F '63.

On the basis of traditional contacts with industry. M. G. Chilikin, K. N. Bokov. Vest. vys. shkoly 21 no. 2:7-10 F '63.

Planning the program material of practical exercises in production training. Shkola i prosv. 6 no. 9:65-67 S '62.

Schedule for the ninth and tenth grade students of general schools with industrial training. L. A. Leonova. Shkola i prosv. 6 no. 8:12-15 Ag '62.

Soviets, schools, and our practical needs. A. Avdeev, I. Padezhnov. Sov. deput. trud. no. 3:31-35 Mr '63.

Student work must become productive. S. M. Shabalov. Shkola i prosv. 6 no. 9:3-7 S '62.

These problems should be solved collectively. G. D. Vovchenko. Vest. vys. shkoly 21 no. 1:42-45 Ja '63.

Thoughts dictated by experience. G. Abramovich. Nar. obr. no. 2:93-95 F '63.

Thoughts on the eleven-year schools. A. Shchekoldin. Nar. obr. no. 2:55-63 F '63.

Toward new triumphs in the development of communism! Shkola i prosv. 7 no. 1:3-5 Ja '63.

Universal primary education has begun for machine operators. Kul't. - pros. rab 23 no. 12:5-6 D '62.

Use of student's work as a stimulus for learning. V. S. Il'in. Dokl. APN 6 no. 5:27-30 '62.

Work of the head of the teaching department on vocational training. A. I. Shtorental'. Shkola i prosv. 7 no. 1: 18-19 Ja '63.

EDUCATION, COOPERATIVE—BIBLIOGRAPHY see Bibliography—Education, Cooperative

EDUCATION, ELEMENTARY

"Work of schools and groups with longer hours."

Reviewed by N. Fedorov. Shkola-int. no. 6:82-83 N-D '62.

EDUCATION, HIGHER

(see also subdivision under Germany, East; Hungary; Kharkov; Ukraine; Ukraine, Western)

Education of future specialists. I. Shvets. Kommunist 39 no. 5:89-97 Mr '63.

For the new successes of institutions of higher learning. V. P. Elutin. Vest. Vys. shkoly 21 no. 1:3-7 Ja '63.

Let us talk about the education of students.

V. Mordkovich. Agitator no. 7:54-56 Ap '62.

Let's direct departments to the solution of complex problems. I. A. L. Shnec. Vest. vys. shkoly 21 no. 2:60-61 F '63.

Let's rely on large research groups. A. I. Aarna. Vest. vys. shkoly 21 no. 2:62-64 F '63.

Zinov'ev, S. I. [Lectures in Soviet institutions of higher learning] Lektsii v sovetskoi vysshei shkole. Izd. 3. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 136 p.

EDUCATION, INDUSTRIAL see Manual training

EDUCATION, INTERNATIONAL see International education

EDUCATION, RURAL

Our experience in organizing the instruction and training of students. P. N. Kolesnikov. *Shkola i proizvod.* 6 no. 9:19-20 S '62.
Schools and state farms as active educators of the new man. I. P. Shevchuk. *Shkola i proizvod.* 6 no. 8:16-17 S '62.

EDUCATION OF CHILDREN

(see also subdivision under Perm; Sverdlovsk)
Road to beauty. L. Lysaia. *Klub* 12 no. 1:14-15 Ja '63.
Training students for work. N. Navaichik. *Otv. na vop.* trad. no. 11:31-39 N '62.

EDUCATION OF WOMEN

(see also subdivision under Moscow)
History of the education of women in Russia. L. D. Filippova. *Vop. ist.* 38 no. 2:209-218 F '63.

EDUCATIONAL LAW AND LEGISLATION

Troshin, A. F. [Legal status of those workers and employees who are studying while working] *Pravovoe polo-zhenie rabochikh i sluzhashchikh, obuchaiushchikh bez otryya ot proizvodstva.* Moskva, Gosizdat, 1962. 107 p.

EDUCATIONAL PSYCHOLOGY

Attempt of an experimental study of psychological pattern in learning. Report No. 5: Systems for solving direct and indirect problems and the planning of experimental study. B. B. Kossov. *Dokl. APN* 6 no. 5:85-86 '62.
Attempt of an experimental study of psychological pattern in learning. Report No. 6: Comparative efficiency of some teaching methods for the solution of indirect problems. B. B. Kossov, G. M. Bakhrumova, E. I. Galakhova. *Dokl. APN* 6 no. 5:87-90 '62.
"Psychology of the assimilation of grammar and orthography." Reviewed by A. I. Vlasenkov. *Vop. psikh.* no. 6:148-160 N-D '62.
Role of direct and inverse connections in learning mathematics [with summary in English]. P. M. Erd-niev. *Vop. psikh.* no. 6:69-78 N-D '62.
Use of student's work as a stimulus for learning. V. S. Il'in. *Dokl. APN* 6 no. 5:27-30 '62.

EFFECT OF TEMPERATURE ON METALS see Metals,

EFFICIENCY, INDUSTRIAL

(see also subdivision under Leningrad; Magadan Province; Riga; Ural Mountain region; Uzbekistan)
The collective becomes a progressive unit. V. P. Lisin. *Put' i put. khoz.* 7 no. 2:23-25 '63.
Deserved honors. I. Gordienko. *Mest. prom. i khud.* promys. 4 no. 2:23 F '63.
From the work practices of efficiency promoters. A. P. Babenko, N. P. Korotenko. *Spir. prom.* 29 no. 1:27-28 '63.
Let us contribute to our country's wealth. B. Ososkov. *Rabotnitsa* 40 no. 7:14 JI '62.
Petrov, A. S. [Work and the creative capacity of the masses] *Trud i tvorchestvo mass.* Moskva, Sotsekgiz, 1962. 195 p.
Promoting a high standard of labor. A. Lebedev. *Agitator* no. 3:52-54 F '63.
We should help Soviet workers to make most of their time. I. Chernov. *Kommunist* 39 no. 4:125 Mr '63.

EGGS

Inhibition of egg laying in some hen breeds and hybrids [with summary in English]. L. A. Alekseevich. *Vest.* LGU 18 no. 3:133-139 '63.

EGGS—PRESERVATION

"Microbiology of meat and poultry products; a textbook for technical schools" by M. A. Agul'nik, I. P. Korneev. Reviewed by L. M. Kravtsov. *Veterinariia* 37 no. 11: 89-91 N '60.

EGYPT—ANTIQUITIES

Rubinshtein, R. I. [Recent archaeological finds in Egypt] *Novoishchie arkhologicheskie otkrytiia v Egipte.* Moskva, Vysshaya shkola, 1962. 70 p. (V pomoshch' studentu istorii)

EGYPT—BANKS AND BANKING

Changes in the credit and banking system of the United Arab Republic. Den, i kred. 21 no. 1:83-84 Ja '63.

EGYPT—COMMERCE—RUSSIA

Long-term trade agreement between the Union of Soviet Socialist Republics and the United Arab Republic. *Vnesh. torg.* 43 no. 2:39-43 '63.
Payment agreement between the Union of Soviet Socialist Republics and the United Arab Republic. *Vnesh. torg.* 43 no. 2:44-45 '63.

EGYPT—DESCRIPTION AND TRAVEL

Hoffmeister, Adolf. [The view from the pyramids; report on a trip and on the new youth of the oldest culture in the world. Translated from the Czech] *Vid s piramid; reportazh o puteshestvii i novoi molodosti drevneihei kul'tury mira.* Moskva, Izd-vo vostochnoi lit-ry, 1961. 150 p. illus. (Puteshestvia po stranam Vostoka)
(MH)

EGYPT—ECONOMIC ASSISTANCE, RUSSIAN

Our cooperation with the United Arab Republic [with English summary in appendix]. P. Bellaev. *Vnesh. torg.* 43 no. 2:17-19 '63.

EGYPT—FISHERIES

Fisheries in Egypt (United Arab Republic). S. A. Abdel-malek. *Vop. isht.* 3 no. 1:198-202 '63.

EGYPT—HISTORY

International Congress of Orientalists, 23d, Cambridge, Eng., 1954. Delegation from the U. S. S. R. [Papers presented by the Soviet Delegation at the XXIII International Congress of Orientalists; Egyptology] *Doklady Sovetskoi Delegatsii na XXIII Mezhdunarodnom kongresse vostokovedov; sektsiia Egiptologii.* Moskva, Izd-vo Akad. nauk SSSR, 1954. 60 p. [In Russian and English]

EGYPTIAN LANGUAGE—PAPYRI, DEMOTIC

International Congress of Orientalists, 23d, Cambridge, Eng., 1954. Delegation from the U. S. S. R. [Papers presented by the Soviet Delegation at the XXIII International Congress of Orientalists; Egyptology] *Doklady Sovetskoi Delegatsii na XXIII Mezhdunarodnom kongresse vostokovedov; sektsiia Egiptologii.* Moskva, Izd-vo Akad. nauk SSSR, 1954. 60 p. [In Russian and English]

EKEL'CHIK, IURII IZRAIL'EVICH, 1907

Il'in, R. N. [Iurii Ekol'chik; the skill of a motion-pic-ture cameraman] *Iurii Ekol'chik; masterstvo kino-operatora.* Moskva, Iskustvo, 1962. 144 p. illus. (Mastera khokussiva)
(MH)

ELASTIC PLATES AND SHELLS

Calculations for a wave of uniform curvature as a flat shell [with summary in English]. A. O. Tseitlin. *Vtanyk ABIA USSR* no. 3:24-28 '62.
Load displacement along an elastic plate floating on the surface of an ideal fluid. D. E. Kheisin. *Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr.* no. 1:178-180 Ja-F '63.
Plane stressed state and bending of a nonhomogeneous transversally isotropic plate. S. G. Lekhnitskii. *Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr.* no. 1: 81-87 Ja-F '63.
Plasticity bands arising under tensile stress applied to plates with cracklike concentrators. M. I. Leonov, P. M. Vitvitskii, S. I. Aremba. *Dokl. AN SSSR* 148 no. 3:541-544 Ja '63.
Small deformations, stability and vibrations of asym-metrical three-layered plates filled with a rigid sub-stance. E. I. Grigolits, P. P. Chulkov. *Dokl. AN SSSR* 149 no. 1:62-64 Mr '63.
Stability of a circular cylindrical shell subjected to a nonuniform compression. V. V. Kabanov. *Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr.* no. 1:181-183 Ja-F '63.
Stability of a flexible panel of a cylindrical shell [with summary in English]. M. A. Koltunov. *Vest. Mosk. un. Ser. I: Mat., mekh.* no. 6:43-50 N-D '62.
Stability of orthotropic shallow shells in a supersonic gas flow. Zh. E. Bagdasarian. *Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr.* no. 1:92-98 Ja-F '63.
Stress concentration around a circular hole reinforced with a rigid sleeve in a cylindrical orthotropic shell [with summary in English]. O. M. Huz'. *Dop. AN USSR* no. 12:1594-1597 '62.

Use of the method of finite differences in studying the stability of freely supported elastic rectangular plates. A. Baranov. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk* 6 no. 5:17-26 '62.

Vasil'kov, B. S. [Calculations for shells with asymmet-ric contour] *Raschet obolochek s nesimmetrichnym konturom.* Moskva, Gosstroizdat, 1962. 122 p.
(MICROFILM)

Vasil'kov, B. S. [Design of shells with an asymmetric contour] *Raschet obolochek s nesimmetrichnym konturom.* Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1962. 122 p. (Akademika stroitel'stva i arkhitektury SSSR, Institut stroitel'nykh konstruktii, Nauchnye soobshcheniia, no. 19)

Vlasov, V. Z. [Selected works] *Izbrannye trudy.* Mo-skva, Izd-vo Akad. nauk SSSR, Vol. 2. [Thin-walled elastic rods. Principles for the development of a general engineering theory of shells] *Tonkostennye uprugie stozhni. Printsipy postroeniia obshchei tekhnicheskoi teorii obolochek.* 1963. 507 p.

ELASTIC RODS AND WIRES

Calculating the general resistance of compressed welded rods. N. A. Okerblom. *Avtom. svar.* 16 no. 1:48-53 Ja '63.
Dynamic stability of rods under the effect of periodic impact loading. A. I. Oifler. *Trudy DIT* no. 32:136-156 '61.
Problem of the bending of a rod with circular cross section. P. Z. Livshits. *Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr.* no. 1:76-91 Ja-F '63.

Vlasov, V. Z. [Selected works] *Izbrannye trudy.* Mo-skva, Izd-vo Akad. nauk SSSR, Vol. 2. [Thin-walled elastic rods. Principles for the development of a general engineering theory of shells] *Tonkostennye uprugie stozhni. Printsipy postroeniia obshchei tekhnicheskoi teorii obolochek.* 1963. 507 p.

Vorontsov, G. V. [Numerical solution of problems in structural mechanics for rods by the mixed matrix method] *Chislennoe reshenie zadach strotel'noi mekhaniki stozhnei po matrichnomu smeshannomu metodu.* Novocherkassk, Redaktsionno-izdatel'skii otdel NPI, 1962. 96 p.
(MICROFILM)

ELASTICITY

A condition for simple loading in an inhomogeneous medium [with summary in English]. A. G. Zhuravlev. *Vest. Mosk. un. Ser. I: Mat., mekh.* no. 6:39-42 N-D '62.
Linear approximation in the elasticity theory of poly-crystals. F. P. Rybalko, N. A. Klimskikh, S. D. Volkov. *Fiz. met. i metalloved.* 14 no. 6:857-863 D '62.
Macroscopic strains in elastic bodies. M. I. A. Leonov, K. N. Rusinko. *PMTF* no. 1:104-110 Ja-F '63.
Markov, A. N. [Brief course of the theory of elasticity] *Kratkii kurs teorii uprugosti.* Gor'ki, Gos. univ., 1960. 207 p.
Ultimate state of thin-walled beams in biaxial flexure with torsion [with summary in English]. O. I. Strelnitska. *Dop. AN USSR* no. 12:1571-1575 '62.

ELASTICITY—MEASUREMENT

Device for measuring the elasticity modulus of the ice sheet by seismic methods. A. N. Listov. *Probl. Arkh. i Antarkt.* no. 10:91-92 '62.

ELASTOMERS

Concretes with added high-elasticity polymers. I. U. A. Savvina, V. E. Leirikh. *Plast. massy* no. 2:42-48 '63.

ELBOW

Some data on topographic anatomical peculiarities of the elbow region. A. S. Zhupanov. *Sbor. nauch. tr. Vin. der. med. inst.* 18 no. 2:61-67 '58.

ELBRUS, MOUNT—DRAINAGE—MAPS

Drainage map in the glacier atlas of Mount Elbrus. V. L. Bilnova, V. I. Kravtsova. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 9:93-102 '62.

ELBRUS, MOUNT—GLACIERS

Drainage map in the glacier atlas of Mount Elbrus. V. L. Bilnova, V. I. Kravtsova. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 9:93-102 '62.
Results of the study of the layering and banding of Elbrus glaciers, based on spore-pollen analysis data. I. U. V. Makhova, E. S. Troshkina. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 9:125-138 '62.

ELBRUS, MOUNT—GLACIOLOGY

Dynamics of the glaciation of Mount Elbrus in the histor-ical time. L. M. Rudakov. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 9:117-125 '62.

ELBRUS, MOUNT—PALYNOLOGY

Results of the study of the layering and banding of Elbrus glaciers, based on spore-pollen analysis data. I. U. V. Makhova, E. S. Troshkina. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 9:125-138 '62.

ELECTION LAW see subdivision under Ukraina

ELECTIONS

(see also subdivision under Kazakhstan; Magadan; Moscow)
The country gets ready for elections to the soviets. *Agitator* no. 2:3-5 Ja '63.
The decisive period of the election campaign. *Agitator* no. 4:3-5 F '63.
Elections in the Soviet Union. *Nov. vrem.* 20 no. 10:1-2 Mr '63.
Everyone should go to the elections! *Agitator* no. 5:2 Mr '63.
No pauses, no slack. *Agitator* no. 7:3-5 Ap '62.
Results of the elections to the soviets. *Nov. vrem.* 20 no. 11:5 Mr '63.

ELECTIONS—BIBLIOGRAPHY see Bibliography—Elections

ELECTRIC APPARATUS AND APPLIANCES

Concerning the article "Means for increasing the reliability and life of electrical equipment." G. M. Pchelina. *Vest. elektroprom.* 34 no. 2:61 F '63.

ELECTRIC APPARATUS AND APPLIANCES—PATENTS

Certificates of invention. *Elektrosvyaz' 17* no. 1:73-74 Ja '63.
Foreign patents. *Elektrosvyaz' 17* no. 1:75-78 Ja '63.

ELECTRIC APPARATUS AND APPLIANCES—TESTING

Chamber for testing high-voltage equipment. T. F. Mandrusov, *Avtom., i telemekh. i svyaz'* 7 no. 3:31-33 Mr '63.

ELECTRIC BATTERIES

Biochemical sources of electric current. V. Ershov, *Radio* no. 2:23 F '63.

ELECTRIC CABLES

Concerning A. A. Fedorov's article "Choice of wire and cable sizes." *Prom. energ.* 18 no. 2:38-41 F '63.

Experience in balancing cables. V. P. Isaeva, *Avtom., i telemekh. i svyaz'* 7 no. 3:42-43 Mr '63.

High-frequency parameters of signal, control, and power cables. I. I. Ivanov, E. I. Medvedeva, *Avtom., i telemekh. i svyaz'* 7 no. 1:5-6 Ja '63.

Kronchenko, G. E. [Joining and termination of copper and aluminum cables and wires] *Sochinienie i okontsevaniye mednykh i aluminiumykh provodov i kabelei*, 2 izd., Moskva, Gosenergoizdat, 1962, 47 p. (Biblioteka elektromontera, no. 70)

ELECTRIC CABLES—MEASUREMENT

Transistor cable locating device. T. F. Mandrusov, *Avtom., i telemekh. i svyaz'* 7 no. 3:29-31 Mr '63.

ELECTRIC CABLES—STANDARDS

[Electric cables, wires, and cords] *Kabeli, provoda i shurny elektricheskoye*, Izd. ofitsial'noe, Moskva, Standartizt, 1962, 571 p. (SSSR Gosudarstvennyye standarty)

ELECTRIC CIRCUITS

Investigating new coincidence circuits with contact position transducers. L. A. Shtiner, L. K. Shrago, *Avtom., i prib.* no. 3:42-44 Ji-S '62.

ELECTRIC CIRCUITS—TESTING

Using automatic search for determining the sign of unbalance in d. c. balancing circuits. A. N. Kasperovich, *Izv. vuzov, tekhn.* no. 1:37-40 Ja '63.

ELECTRIC CLOCKS

see Clocks, Electric

ELECTRIC COILS

Determination of the parameters of strap coils. A. K. Karpenskii, *Elektricheskoye* no. 1:62-67 Ja '63.

Device for winding electric coils. *Radio* no. 3:30 Mr '63.

Effect of insulation between the turns of wound cores on their magnetic characteristics. B. I. Blazhkovich, M. A. Rakov, *Avtom., i telemekh. i svyaz'* 7 no. 0:125-127 '62.

Winding of electric coils in pot-shaped cores. G. Kaluzhskii, *Radio* no. 2:45 F '63.

ELECTRIC CONDUCTIVITY

Calculating the tensor of electroconductivity. N. M. Plakida, *Dokl. AN SSSR* 147 no. 6:1067-1070 D '62.

ELECTRIC CONTROLLERS

Automatic control of the power output of a charge-resistance furnace. N. I. Gultskii, V. A. Lopatin, V. M. Churin, *Mekh. i avtom. proizv.* 17 no. 2:8-9 F '63.

Krug, E. K., and S. I. Shirochenko. [Contactless control device with impulse control of the executive motor] *Beskontaktnoe regulirovaniye ustroystvo s impul'snym upravleniem ispolnitel'nym dvigatelem*, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 42, No. P-58-47/4)

A regulator for automatic adjustment of arc-quenching coils in electric cable networks. A. P. Trukhan, *Energ. i elektrotekh. prom.* no. 4:6-8 O-D '62.

Regulator of the speed correlation of two drives. B. V. Ol'khovikov, L. M. Feigin, *Konstr. krup. mash.* no. 1: 132-138 '62.

Studying the performance of contactless regulators. K. I. Rudina, A. M. Kostromin, E. V. Lisitsyn, *Trudy MIT* no. 151:135-152 '62.

Using electroluminescence in mimic flowsheets. V. P. Dergach, V. I. Aleksandrov, I. A. Zgurovets, *Avtom., i prib.* no. 3:7-8 Ji-S '62.

ELECTRIC CONTROLLERS—TESTING

Krinetskiy, I. I. [Stand for testing electrical automatic angular velocity controllers] *Stand dlia ispytaniya avtomaticheskikh regulatorov skorosti vrashcheniya elektricheskogo tipa*, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 42, No. P-58-71/6)

ELECTRIC CRANES

Kalukh, V. S., and G. O. Foller. [Electromagnets for electric cranes] *Pod'emnyye elektromagnity*, Moskva, Metallurgizdat, 1962, 87 p.

ELECTRIC CRANES—SAFETY APPLIANCES

Catches for electric cranes. V. N. Sibish, *Bezop. truda v prom.* 7 no. 2:31 F '63.

ELECTRIC CURRENT CONVERTERS

Characteristics of the use of silicon triodes for converting weak d. c. signals to a. c. N. S. Nikolaenko, V. P. Fedotov, *Izv. vuzov, ucheb. zav.*; prib. 6 no. 1: 18-26 '63.

Dielectric electric current converters. V. M. Pluzhnikov, N. K. Orlova, *Avtom., i telemekh. i svyaz'* no. 3:53-55 '62.

Dynamics of equalizing currents in reversible electronic converters. V. P. Shipilov, V. V. Stritsa, O. G. Bulatov, *Elektricheskoye* no. 1:37-40 Ja '63.

Effect of an interelectrode cesium plasma on the characteristics of a thermionic converter. N. D. Morgulis, I. U. Korchev, *Zhur. tekhn. fiz.* 32 no. 12:1487-1489 D '62.

Static converter for transforming monophasic current into triphase current. P. P. Zhurba, *Fiz. v shkole* 22 no. 6:56-58 N-D '62.

ELECTRIC CURRENT RECTIFIERS

Circuits of phase-sensitive transistor rectifiers. M. A. Rakov, *Avtom., i telemekh. i svyaz'* no. 6:105-108 '62.

Design of an electric current rectifier with parallel tank circuit load. I. U. M. Shumkov, *Avtom., i telemekh. i svyaz'* no. 6:44-55 '62.

Electrical networks of an electric train using silicon rectifiers. L. S. Lyulsk, I. V. Surguchev, *Elek. i tepl. tiaga* 7 no. 1:26-32 Ja '63.

Experimental study of the dynamic properties of germanium junction diodes with reverse polarity connection. I. N. Lisitskaya, *Avtom., i telemekh. i svyaz'* no. 6:196-200 '62.

Komar, V. G., and V. A. Labunsov, eds. [Regulated transistor current rectifiers. Translated articles] *Poluprovodnikovyye upravlyayemye ventili; sbornik perevodnykh statei*, Moskva, Gosenergoizdat, 1962, 159 p.

A transformerless rectifier. A. Khodakov, *Radio* no. 2: 35 '63.

Use of an electrical analogy in studying the heating of a large semiconductor rectifier. I. U. M. Kalibolotskii, *Izv. vuzov, ucheb. zav.*; energ. 6 no. 1:43-50 Ja '63.

ELECTRIC CURRENT RECTIFIERS—TESTING

Methods for conducting operational tests of ignitrons. S. P. Kosolapov, *Elek. i tepl. tiaga* 6 no. 12:33-35 D '62.

ELECTRIC CUTOUTS

Concerning L. I. Dvoskin's reply. L. M. Lopshits, *Elek. sta.* 33 no. 12:85 D '62.

Blocking of the grounding blades in high-voltage electric power distribution devices. F. I. Sin'chugov, *Elek. sta.* 34 no. 1:88-89 Ja '63.

ELECTRIC DISCHARGES

Determination of some parameters of a high-frequency ring discharge. E. A. Namberg, S. V. Drevin, *Zhur. tekhn. fiz.* 33 no. 1:65-72 Ja '63.

Effect of high-frequency discharges on the adsorption properties of silica gel. S. V. Starodubisev and others, *Radiotekh. i elektron.* 6 no. 2:325-330 F '63.

Study of electron energy spectra of a toroidal discharge in a "Beta" machine. E. A. Lohkov, A. I. Nastukha, *Zhur. tekhn. fiz.* 32 no. 12:1492-1493 D '62.

ELECTRIC DISCHARGES THROUGH GASES

Measuring the temperature of an arc jet [with summary in English]. E. V. Garkavyi, *Inzh.-fiz. zhur.* 6 no. 2: 20-24 F '63.

Molecular transformations in a natural gas produced by electrodeless high-frequency discharges. Part 3: Effect on electric cracking as exerted by the power of high-frequency discharges and the gas pressure in a discharge tube. S. V. Starodubisev and others, *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 6 no. 6:53-60 '62.

Molecular transformations in a natural gas produced by electrodeless high-frequency discharges. Part 4: Kinetics of the formation and destruction of certain free radicals. S. V. Starodubisev and others, *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 6 no. 6:61-65 '62.

ELECTRIC DRIVING

A device for measuring the angular velocity of a system in steady operation. A. A. Volkov, I. U. I. Friz-Pali, *Energ. i elektrotekh. prom.* no. 4:20-28 O-D '62.

Phase loss and protection of electric motors during operation with partial phase power supply. R. Slavin, S. Kishchikov, *Tekhn. v sel'khoz.* 22 no. 7:52-54 Ji '62.

ELECTRIC ENGINEERING

Kuznetsov, M. I. [Fundamentals of electrical engineering] *Osnovy elektrotekhniki*, 8, izd., stereotipnoe, Pod red. S. V. Strakhova, Moskva, Proftekhizdat, 1962, 569 p.

Shlapintokh, L. S. [Methodological aid in electrical engineering] *Metodicheskoye posobie po elektrotekhnike; dlia prepodavatelei brigadnoi i individual'noi podgotovki studentov na predpriyatiakh*, Moskva, Proftekhizdat, 1962, 67 p.

ELECTRIC ENGINEERING—ABSTRACTS

[Electrical engineering and electric power] *Ref. zhur.*; *Elektrotekh. i energ.* no. 1 Ja '63.

ELECTRIC ENGINEERING—HANDBOOKS, MANUALS, ETC.

Kruglanskiy, M. S. [Handbook of electrical engineering] *Elektricheskikh spravochnik*, Belgorod, Belgorodskoye knizhnoye izd-vo, 1962, 479 p.

ELECTRIC ENGINEERING—MATERIALS

Shalun, G. B. [Laminated plastics and glass plastics for the electric equipment industry] *Stolaty plastiki i stekloplastiki dlia elektrotekhnicheskoy promyshlennosti*, Leningrad, 1962, 27 p. (Leningradskii dom nauchno-tekhnicheskoy propagandy, Obmen peredovym opytom, Seriya: Sinteticheski materialy, no. 7)

ELECTRIC ENGINEERING—MUSEUMS AND COLLECTIONS

The V. I. Lenin All-Union Institute of Electrical Engineering and its archives of technology. A. I. A. Friedman, *Vop. arkh.* 7 no. 3:59-62 Ji-S '62.

ELECTRIC ENGINEERING—STUDY AND TEACHING

Creative lessons based on problems. Report No. 1: Principles for devising creative lessons. M. I. Zaichik, *Dokl. APN* 6 no. 5:5-8 '62.

Electric engineering course for the students of other occupations. V. Grammatkail, *Prof.-tekh. obr.* 19 no. 12:11-13 D '62.

Improving the efficiency of a lesson. L. A. Osadchuk, *Vesh. sred. shkoly* 5 no. 6:41-44 N-D '62.

ELECTRIC EQUIPMENT INDUSTRY

(see also subdivision under Sverdlovsk; United States; Ural Mountain region)

Concerning L. I. Dvoskin's reply. L. M. Lopshits, *Elek. sta.* 33 no. 12:85 D '62.

Manufacture of hydrogen generators by the "Uralskoelektroaparat" factory. K. F. Kostin, *Vest. elektroprom.* 34 no. 2:8-13 F '63.

ELECTRIC EQUIPMENT INDUSTRY—CONGRESSES

Conference on improvement of efficiency in the electric equipment industry in the Urals. G. Kh. Lekhakov, V. M. Ermolaev, *Vest. elektroprom.* 34 no. 2:76-77 F '63.

ELECTRIC EQUIPMENT INDUSTRY—EQUIPMENT

AND SUPPLIES see subdivision under Klov; Leningrad

ELECTRIC EQUIPMENT INDUSTRY—MANAGEMENT

see subdivision under Moscow

ELECTRIC EQUIPMENT INDUSTRY—PRODUCTION

STANDARDS see subdivision under Vilnius

ELECTRIC EQUIPMENT INDUSTRY—TECHNOLOGICAL

INNOVATIONS see subdivision under Vilnius

ELECTRIC FIELDS

Effect of an electric field on a continuous liquid jet [with summary in English]. A. A. Semerchan, N. N. Kuzin, V. K. Isakov, *Inzh.-fiz. zhur.* 6 no. 2:114-117 F '63.

Gas-proof features of transformer oils in an electric field. R. A. Lipshteyn, E. N. Shtern, *Vest. elektroprom.* 34 no. 2:40-45 F '63.

Hydrodynamic approximation for an ionized gas in a high electric field. V. M. Eleonskii, V. M. Zhdanov, *PMTE* no. 1:26-31 Ja-F '63.

Suspended fluidized bed in an electric field. K. Doichev, E. M. Stepanov, *Izv. vuzov, ucheb. zav.*; *chern. met.* 6 no. 1:174-178 '63.

ELECTRIC FILTERS

Choice of error coefficients in a special case of a filtration problem [with summary in English]. B. N. Dobzhinskiy, *Avtom., i telemekh. i svyaz'* 24 no. 2:280-284 F '63.

Dynamic characteristics of a synchronous detector with a complex load. L. A. Sinitskii, I. U. M. Shumkov, *Avtom., i telemekh. i svyaz'* no. 6:56-58 '62.

Effect of discrepancies in the manufacture of components used in double T-shaped filters on the characteristics of selective RC amplifiers. N. I. Katsushnikov, *Avtom., i telemekh. i svyaz'* no. 6:29-34 '62.

Stepped RC filters. V. L. Zmudkov, *Radiotekhnika* 18 no. 1:61-67 Ja '63.

ELECTRIC FISHING

Electric fishing rod. I. U. Shemenskii, *Znan., -sila* 37 no. 12:19-20 D '62.

ELECTRIC FURNACES

Automatic control of the power output of a charge-resistance furnace. N. I. Gultskii, V. A. Lopatin, V. M. Churin, *Mekh. i avtom. proizv.* 17 no. 2:8-9 F '63.

Automation of a crucible high-temperature vacuum electric furnace. V. N. Zaritov, *Avtom., i prib.* no. 3:63-64 Ji-S '62.

Electric furnace for bonding instrument glass. V. P. Khrankov, *Stok. i ker.* 20 no. 2:36-37 F '63.

An electronic automatic regulator and remote control system for an electric steel-smelting furnace. D. V. Solodovchenko, *Prom. energ.* 18 no. 2:8-10 F '63.

Kon'kov, A. M. [Automatic program control of heat-treatment processes] *Programmnoye avtomaticheskoye upravleniye rezhimami termoochistki*, Leningrad, 1961, 11 p. (Leningradskii dom nauchno-tekhnicheskoy propagandy, Obmen peredovym opytom, Seriya: Metallovedeniye i termicheskaya obrabotka, no. 9)

Smellanskiy, M. A., and others. [Vacuum arc furnaces and electronic melting plants] *Dugovye vakuumnyye pechi i elektronnyye pлавильnye ustanovki*, Moskva, Metallurgizdat, 1962, 210 p.

ELECTRIC FURNACES (Continued)

Urt'ev, V. P., and others. [Vacuum arc furnace] Dugovaya vakuumnaya pech'. Leningrad, 1962. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen perebovym opytom. Seriya: Liteinoe proizvodstvo, no. 5)

Vacuum arc furnace for steelmaking. V. T. Burtsev, O. D. Moldavskii. Bful, tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:3-6 '63.

ELECTRIC FURNACES—DESIGN AND CONSTRUCTION

New method of building arc furnace hearths. O. I. Tishchenko and others. Metallurg 8 no. 2:15-17 F '63.

Performance of the tilting mechanism of a steel-smelting arc furnace. P. M. Rubberg. Stal' 23 no. 1: 37-40 Ja '63.

A powerful, closed, ferroalloy furnace has been put into operation. N. M. Dekhanov and others. Stal' 23 no. 1:41-44 Ja '63.

ELECTRIC GENERATORS

Calculation of hydromechanical parameters in computing the resynchronization of hydraulic units. K. Kh. Ovsepiyan, A. S. Melkonian. Izv. AN Arm. SSR, Ser. tekhn. nauk 15 no. 6:33-40 '62.

Contactless voltage regulator of the auxiliary generator of a gas turbine locomotive. V. A. Kuleshov, B. N. Moroshkin, A. M. Rodov. Vest. elektroprom. 34 no. 2:25-28 F '63.

Operation of three-phase salient-pole generators with two phases of the stator being loaded by a nominal current. G. N. Ter-Gazarian, A. Sh. Vashakidze. Vest. elektroprom. 34 no. 2:22-25 F '63.

Study of the feature of equivalent network representation of synchronous generators in asynchronous operation. I. U. M. Shakhnazarian, KhE Ian-tzan' [He Yang-tsan]. Izv. vys. ucheb. zav. energ. 6 no. 1:1-8 Ja '63.

ELECTRIC GENERATORS—ELECTROMECHANICAL ANALOGIES

Modeling of a generator taking into account saturation, hysteresis, and change of the angular velocity. A. A. Vavilov. Elektrichestvo no. 1:33-36 Ja '63.

ELECTRIC GENERATORS—VENTILATION

Ventilation of diesel locomotive generators. V. D. Kuz'mich. Trudy MVT no. 151:178-192 '62.

ELECTRIC HEATING

Design of electric heating of greenhouses by the "shielded element" method. M. I. Oranskii. Bful, nauch.-tekhn. inform. SZNBSKH no. 3:70-74 '63.

Fireproof electric insulation coating for steel pipe in heating devices. Stek. i ker. 20 no. 2:32-34 F '63.

Power engineering considerations and prospects of using electric power for heating purposes. B. P. Taranov. Energ. i elektrotekh. prom. no. 4:42 O-D '62.

ELECTRIC HEATING ELEMENTS

Effect of impurities in carbonyl on heater properties. R. I. Bresker, N. I. Voronin, D. D. Khrycheva. Ogneupory 28 no. 2:92-98 '63.

ELECTRIC INDUSTRIAL TRUCKS see Industrial electric trucks

ELECTRIC INSTRUMENTS

Compensation system for inertia and gravitation deviations measured by electric transducers. B. Sh. Shafel'. Priborostroyenie no. 1:24 Ja '63.

The GK-3 new electric-contact head. F. M. Danilevich, V. A. Nikitin. Izv. tekhn. no. 1:14-16 Ja '63.

Measuring instrument with a scale changing according to a previously given rule. A. I. Samoilov. Priborostroyenie no. 1:20-21 Ja '63.

Multifunction thermoelectric device for measuring current, voltage and power. A. I. Bezikov, D. I. Zorin. Izv. tekhn. no. 2:29-32 F '63.

Recording potentiometer. V. S. Popov, V. V. Chernysheva. Izv. tekhn. no. 2:33-34 F '63.

ELECTRIC INSULATORS AND INSULATION

Change in the electrical strength of high-voltage porcelain subject to the action of high-voltage d. c. with long duration. Kh. S. Valeev, V. N. Garevskii, N. S. Kostukov. Elektrichestvo no. 1:59-61 Ja '63.

Kiln for drying power transformer windings. V. Novozhilov, Zhil.-kom. khoz. 12 no. 8:26 Ag '62.

Machine-press for manufacturing cement-sand insulating sleeves. G. S. Ivanov. Transp. stroi. 12 no. 9:54 S '62.

Measures against the contamination of electric insulators on electric substations and power transmission lines. M. V. Khomikov. Elek. sta. 33 no. 12:51-54 D '62.

Reinforcement of high-voltage insulators. B. A. Kremlev. Avtom., telem. i svyaz' 7 no. 3:40-41 Mr '63.

Some results of using line suspension insulators from hard glass. N. A. Nikolaev, A. M. Popel'. Elek. sta. 33 no. 12:62-65 D '62.

Vulcanizer for reconditioning the insulation of electric cables. V. A. Volkov. Sudostroyenie 20 no. 2:62 F '63.

ELECTRIC INSULATORS AND INSULATION—TESTING

Amendment of a part of the decision of October 12, 1961 of the Central Committee of the All-Union Main Power Engineering Administration and the Trade Union of workers of electric power plants, and the electrical industry. Elek. sta. 34 no. 1:92 Ja '63.

ELECTRIC INSULATORS AND INSULATION—WELDING

Chichmarev, G. P. [Contact jaw for the soldering of glass insulators]. Kontaktная машина для пайки меди. Конвейер-полуавтомат для пайки стекляных изоляторов. [By] A. F. Malluga. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-189/17)

ELECTRIC LAMPS

(see also subdivision under Moscow)

Levnikov, S. I., and L. K. Solzhenova. [Spectral metal-vapor lamps. High-intensity hydrogen GV-3 Geissler tube] Spektralnye parometallicheskie lampy. Vysokointensivnaya geisslerovskaya vodorodnaya trubka GV-3 [By] A. I. Bodretsova i S. I. Levnikov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 37. No. P-58-90/3)

Zel'din, E. A. [Impulse-type gas discharge lamps and their use] Gazozarladnye impul'snye lampy i ikh primeneniye; stenogramma teksta. Leningrad, 1961. 34 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Pribory i elementy avtomatiki)

ELECTRIC LAMPS, PORTABLE

"Ukraina" SG16 battery headlamp. Shakht. stroi. 7 no. 1:3 of cover Ja '63.

ELECTRIC LIGHT FIXTURES

Light is your good ally. Tat'iana Topilina. Sov. profsoyuzy 19 no. 5:32 Mr '63.

ELECTRIC LIGHTING

Automatic control of electric lighting. P. P. Kasperavichius. Prom. energ. 18 no. 2:5-8 F '63.

ELECTRIC LINES

(see also subdivision under Arctic regions)

Concerning A. A. Fedorov's article "Choice of wire and cable sizes." Prom. energ. 18 no. 2:38-41 F '63. Joining of cables with aluminum strands having a cross section up to 10 mm. by a pressure technique. I. A. Jakobson. Energ. stroi. no. 30:91-95 '62.

Khromchenko, G. E. [Joining and termination of copper and aluminum cables and wires] Soedinenie i okontsevanie mednykh i aluminiyevykh provodov i kabelei. 2 izd. Moskva, Gosenergoizdat, 1962. 47 p. (Biblioteka elektromontera, no. 76)

ELECTRIC LINES—CORROSION

[Corrosion and means for preventing it in underground metal communication structures] Korrozia i zashchita metallicheskih sooruzhenii sredstv svyazi. [By] I. N. Putilova i dr. Moskva, Svyaz'izdat, 1962. 175 p.

ELECTRIC LINES—MEASUREMENT

A device for locating electric lines. M. T. Larshchikov, G. A. Alukin. Avtom., telem. i svyaz' 6 no. 7:29-30 Ji '62.

ELECTRIC LINES—OVERHEAD

Approximate account of "ideally" grounded wires in the calculation of traveling wave transients of overhead power transmission lines. M. V. Kostenko, L. S. Perelman. Elektrichestvo no. 1:52-54 Ja '63.

Comparison of the applicability of small parameter and harmonic balance techniques in calculating the periodic operating conditions of electric power transmission lines with nonlinear parameters. K. P. Kadomskaya and others. Izv. vys. ucheb. zav. energ. 6 no. 1:117-118 Ja '63.

Decrease in the width of the clearing along overhead power transmission lines. Z. E. Kozhanova and others. Elek. sta. 34 no. 1:43-45 Ja '63.

Experience in the construction of a 800 kv. d. c. power transmission line between the Volga Hydroelectric Power Station (22d Congress of the CPSU) and the Donets Basin. P. A. Pavlovskii. Energ. stroi. no. 30: 71-77 '62.

Loads acting on the intermediate towers as a result of the stress of the wire during the break in the lines. R. A. Golubtsov, K. P. Kriukov, B. P. Novgorodtsev. Elek. sta. 34 no. 1:51-55 Ja '63.

Principles for selecting the dimensions of extra high voltage power transmission lines. G. N. Aleksandrov. Izv. vys. ucheb. zav. energ. 6 no. 1:28-36 Ja '63. Protection of high-voltage power transmission lines from accumulation of wet snow on the conductors. V. S. Basov. Elek. sta. 33 no. 12:58-62 D '62.

Reinforcement of high-voltage insulators. B. A. Kremlev. Avtom., telem. i svyaz' 7 no. 3:40-41 Mr '63.

Some results of using line suspension insulators from hard glass. N. A. Nikolaev, A. M. Popel'. Elek. sta. 33 no. 12:62-65 D '62.

Vinogradov, D. E. [Erection of towers for 110-500 kv. overhead power-transmission lines] Montazh opor linii elektroperedachi 110-500 kv. Moskva, Gosenergoizdat, 1962. 193 p.

ELECTRIC LINES—POLES AND TOWERS

Andrievskii, V. N. [Use of wooden supports for overhead electric-power transmission lines] Eksploatatsia dereviannykh opor linii elektroperedachi. Moskva, Gosenergoizdat, 1962. 55 p. (Biblioteka elektromontera, no. 71)

Guaranteed service time of the overhead contact system poles. I. U. I. Mal'manov, Zhel. dor. transp. 45 no. 2: 34-38 F '63.

Increase the life of the reinforced concrete foundations and poles of a contact network. V. S. Artyamonov. Transp. stroi. 12 no. 9:16-18 S '62.

Loads acting on the intermediate towers as a result of the stress of the wire during the break in the lines. R. A. Golubtsov, K. P. Kriukov, B. P. Novgorodtsev. Elek. sta. 34 no. 1:51-55 Ja '63.

Protection of metal against corrosion in the construction of power distribution networks by means of zinc coating. D. A. Kochkin, A. D. Romanov. Energ. stroi. no. 30: 84-90 '62.

Russia (1923- U. S. S. R.) Glavnoe energeticheskoe upravlenie. [Temporary directives on the calculation of the foundations of overhead power-transmission line towers] Vremennyye rukovodivashchie ukazaniya po raschetu fundamentov opor vozdukhnykh linii elektroperedachi. Moskva, Gosenergoizdat, 1962. 37 p.

Vinogradov, D. E. [Erection of towers for 110-500 kv. overhead power-transmission lines] Montazh opor linii elektroperedachi 110-500 kv. Moskva, Gosenergoizdat, 1962. 193 p.

"Wineglass" poles for electric transmission lines. V. Goretskii. Stroitel' 8 no. 1:7, 10 Ja '62.

ELECTRIC LINES—STANDARDS

[Electric cables, wires, and cords] Kabeli, provoda i shnury elektricheskie. Izd. ofitsial'nogo. Moskva, Standartizt, 1962. 571 p. (SSSR Gosudarstvennyye standarty)

ELECTRIC LINES—UNDERGROUND

[Corrosion and means for preventing it in underground metal communication structures] Korrozia i zashchita metallicheskih sooruzhenii sredstv svyazi. [By] I. N. Putilova i dr. Moskva, Svyaz'izdat, 1962. 175 p.

A device for locating electric lines. M. T. Larshchikov, G. A. Alukin. Avtom., telem. i svyaz' 6 no. 7:29-30 Ji '62.

Experience in mechanizing cabling operations. E. I. Farfel'. Vest. aviaz. 23 no. 2:24-27 F '63.

Strengthen the technical inspection in cable laying operations. P. V. Sinitsyn. Avtom., telem. i svyaz' 6 no. 7: 41 Ji '62.

ELECTRIC LINES—WELDING

A semiautomatic device for butt-welding electric wires. V. A. Kozarovskii. Prom. energ. 18 no. 2:10 F '63.

ELECTRIC LOCOMOTIVES

Cases of involuntary turning of the reversing device on the N8 electric locomotive. V. I. Lukin, I. V. Fedulov. Elek. i tepl. tliga 7 no. 1:35-38 Ja '63.

Concerning the change of the designation of the series of Russian electric locomotives. Elek. i tepl. tliga 7 no. 2:16 F '63.

Contactless voltage regulator of the auxiliary generator of a gas turbine locomotive. V. A. Kuleshov, B. N. Moroshkin, A. M. Rodov. Vest. elektroprom. 34 no. 2:26-28 F '63.

Drive system of the auxiliary mechanisms of an a. c. locomotive. A. I. Adamenko. Energ. i elektrotekh. prom. no. 4:48-54 O-D '62.

Electric battery locomotive for operational needs of subways. N. K. Echeistov, D. F. Sidorov-Biriukov. Gor. khoz. Mosk. 30 no. 2:42 F '62.

Improvement of the PK-301 contactor. N. S. Ermenko. Elek. i tepl. tliga 6 no. 12:19 D '62.

Method for unlocking the traction motors of ChS2 and ChS3 electric locomotives. V. N. Gusev. Elek. i tepl. tliga 7 no. 2:13 F '63.

The N81 eight-axle a. c. locomotive. Elek. i tepl. tliga 7 no. 2:20-25 F '63.

Practical advice to the engineers of VL22M electric locomotives. V. E. Oshchepkov. Elek. i tepl. tliga 7 no. 1:37 Ja '63.

The railroads need an electric locomotive with double feed system. Kh. I. A. Bystritskii. Elek. i tepl. tliga 7 no. 2:1-3 F '63.

Remote control of electric locomotives. L. Trubetskoy, E. Guzov. Radio no. 2:27 F '63.

Replies to the inquiries of our readers. M. E. Lemberakii. E. G. Bove. Elek. i tepl. tliga 6 no. 12:38-40 D '62.

Some cases of burning-out of the VU safety fuse on the N8 electric locomotive. G. T. Kondrat'ev. Elek. i tepl. tliga 7 no. 2:38-39 F '63.

Some results of the previous year and our current objectives. P. G. Muratov. Elek. i tepl. tliga 7 no. 1: 1-5 Ja '63.

ELECTRIC LOCOMOTIVES—ELECTRIC EQUIPMENT

Check of the ignitrons of electric locomotives under operating conditions. B. M. Antonov. *Elek. i tepl. tiaga* 7 no. 2:18-19 F '63.
Modernization of the electrical machines of the N60 electric locomotive. V. I. Bocharov. *Elek. i tepl. tiaga* 7 no. 2:30-34 F '63.

ELECTRIC LOCOMOTIVES—EQUIPMENT AND SUPPLIES

Plastics in the manufacture of electric locomotives. D. P. Ershov. *Elek. i tepl. tiaga* 7 no. 1:7-9 Ja '63.

ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR

(see also subdivision under Zaporozh'ye)

Effect of the soiled surface of insulation materials on the operational reliability of the electric traction apparatus of electric locomotives. V. M. Sobolev. *Trudy TSNII MPS* no. 246:71-86 '62.

Experience in the organization of the current maintenance of electric locomotives using the shift system on the Ural and Siberia railroads. G. N. Vasilinskii, I. U. N. Vinogradov, A. K. Dudyrev. *Trudy TSNII MPS* no. 246: 5-39 '62.

Improvement of techniques in the assembling of wheel-motor blocks. I. A. K. Zvezdin. *Elek. i tepl. tiaga* 6 no. 12:9-11 D '62.

Recommendations based on well tried techniques. V. K. Gerlovskii. *Elek. i tepl. tiaga* 7 no. 2:37-38 F '63.

Testing of a.c. machines. V. G. Galkin. *Elek. i tepl. tiaga* 7 no. 1:24-25 Ja '63.

ELECTRIC LOCOMOTIVES—PERFORMANCE

High operating efficiency of the performance of electric locomotives. I. U. M. Medvedev. *Zhel. dor. transp.* 45 no. 2:56-66 F '63.

ELECTRIC LOCOMOTIVES—SAFETY MEASURES

Problems of the protection of the power transmission system of d.c. electric locomotives against short circuits. V. M. Levitskii. *Trudy TSNII MPS* no. 246:155-178 '62.

Use of an AB-1-type automatic device for protecting the N60 electric locomotive from generator currents. N. M. Novogrenko, L. N. Kiril'at'ev, I. T. Zastavnoi. *Elek. i tepl. tiaga* 6 no. 12:28-31 D '62.

ELECTRIC LOCOMOTIVES—TESTING

Effect of voltage deflection in the overhead network on the heating of the armature coils of the motor of a d.c. electric locomotive. A. M. Vol'f. *Trudy TSNII MPS* no. 246:119-154 '62.

ELECTRIC LOCOMOTIVES—TRANSMISSION DEVICES

Results of the survey of the performance of the traction spiral gear drive of electric locomotives. S. I. Proskuriakov. *Trudy TSNII MPS* no. 246:97-112 '62.

ELECTRIC LOGGING (OIL WELLS) see Oil well logging, Electric

ELECTRIC MACHINERY

Concerning the operation of synchronous compensators manufactured by the V. I. Lenin factory in the city of Pilsen in Czechoslovakia. T. P. Musatov, I. P. Soroka. *Energ. i elektrotekh. prom.* no. 4:64-67 O-D '62.

Concerning the reliability of electrical machines. S. Z. Berskii. *Vest. elektroprom.* 34 no. 2:55-58 F '63.

Half-type e, m, f. transducers and their uses for studying magnetic fields in electrical machines and apparatus. K. K. Namitkov, V. G. Brezinskii, L. P. Kharchenko. *Energ. i elektrotekh. prom.* no. 4:28-32 O-D '62.

Means for increasing the reliability of electrical machines. E. D. Kravchik. *Vest. elektroprom.* 34 no. 2:60-61 F '63.

Problems confronting the construction agencies and objectives of electric power machinery construction workers. *Energ. i elektrotekh. prom.* no. 30:3-7 '62.

Synchronization circuit for testing high-voltage apparatus using a two-frequency synthetic network. G. E. Agafonov. *Vest. elektroprom.* 34 no. 2:50-54 F '63.

ELECTRIC MACHINERY—COOLING

Methodology for thermal calculation of electrical machines with direct cooling. N. P. Ivanov, I. F. Filippov. *Elektrichestvo* no. 1:17-21 Ja '63.

ELECTRIC MACHINERY—MEASUREMENTS

Device for studying the wear of the collectors of electrical machines. S. A. Piskunov. *Vest. elektroprom.* 34 no. 2:62 F '63.

Locating insulation defects in sections. A. E. Skliarov. *Vest. elektroprom.* 34 no. 2:65-66 F '63.

ELECTRIC MACHINERY—TESTING

Testing of a.c. machines. V. G. Galkin. *Elek. i tepl. tiaga* 7 no. 1:24-25 Ja '63.

ELECTRIC MACHINERY—WINDINGS

Locating insulation defects in sections. A. E. Skliarov. *Vest. elektroprom.* 34 no. 2:65-66 F '63.

Principles of a method for calculating the magnetic fields of the arm end sections of the windings of electrical machines. A. I. Vol'dek. *Elektrichestvo* no. 1:41-48 Ja '63.

ELECTRIC MACHINERY, SYNCHRONOUS

Problems concerning the design of a large salient-pole synchronous machine with solid rotor poles. Z. B. Neiman. *Vest. elektroprom.* 34 no. 2:3-8 F '63.

ELECTRIC MACHINERY, SYNCHRONOUS—MEASUREMENTS

Use of Hall transducers for measuring the rotor angle of synchronous machines. V. A. Lifanov, A. G. Dorm. *Vest. elektroprom.* 34 no. 2:62-63 F '63.

ELECTRIC MEASUREMENTS

Analysis of the stability of autocompensating networks. V. S. Verkhovtsev, L. A. Sinitskii, I. U. M. Shumkov. *Avtom. kont. i izm. tekhn.* no. 6:144-154 '62.

A contactless signaling device. V. I. Vorobkevich. *Avtom. kont. i izm. tekhn.* no. 6:165-168 '62.

Device for line electricians. P. Uschepovskii. *Radio* no. 3:48-49 Mr '63.

A device for measuring the angular velocity of a system in steady operation. A. A. Voitekh, I. U. I. Friz-Pallii. *Energ. i elektrotekh. prom.* no. 4:26-28 O-D '62.

Device using magnetrons for measuring the residual current in switches. L. Z. Eidel'. *Elektrichestvo* no. 1:68-72 Ja '63.

Efficient use of electric measuring devices. A. D. Bezuglyi. *Prom. energ.* 18 no. 2:51 F '63.

Experimental study of a highly stable transistor phase detector. I. S. Daniluk. *Avtom. kont. i izm. tekhn.* no. 6:109-113 '62.

Half-type e, m, f. transducers and their uses for studying magnetic fields in electrical machines and apparatus. K. K. Namitkov, V. G. Brezinskii, L. P. Kharchenko. *Energ. i elektrotekh. prom.* no. 4:28-32 O-D '62.

Mamonov, P. N. [Book of problems in electric measurements] *Sbornik zadach po elektricheskim izmereniyam*. Leningrad, Sudpromgiz, 1962. 105 p.

New method for measuring total resistance by impedance and impedance angle. G. Savin, D. Berbulesku, M. Vasil'chuk. *Izm. tekhn.* no. 2:42-43 F '63.

Selective measuring of small changes in the parameters of a ferromagnetic cylinder by the method of eddy currents. I. E. Korchelnikova, N. M. Rodigin. *Fiz. met. i metalloved.* 15 no. 1:72-75 Ja '63.

Study of the electrical "explosion" of wires using an oscilloscope. M. A. Mel'nikov, V. I. Obukhov. *Izv. vys. ucheb. zav. i energ.* 6 no. 1:99-102 Ja '63.

A transistor amplifier for measuring devices of automatic control systems. N. I. Smirnov. *Avtom. kont. i izm. tekhn.* no. 6:169-171 '62.

A universal UPV-1 device for electric measurements in secondary commutation networks. I. V. Gostev, A. L. Grinblat. *Elek. sta.* 33 no. 12:70-73 D '62.

Use of an electronic stabilizer in the capacity of an a.c. generator. V. L. Zmudikov. *Avtom. kont. i izm. tekhn.* no. 6:122-124 '62.

ELECTRIC METAL CUTTING

Developing electrodes for the air-arc cutting of metals. V. M. Rybakov, P. S. Karpechenko. *Svar. proizv.* no. 2: 33-34 F '63.

Electric-pulse broaching of deep holes in heat-resistant steel Kh18Ni9Ti. A. A. Roi, V. P. Tumash. *Stan. i instr.* 34 no. 1:32 Ja '63.

An electric sparking machine. G. Koz'yakov, A. Morozov. *Radio* no. 2:28 F '63.

Griehin, V. M., and others. [Dimensional electric-spark machining of metals] *Razmernaya elektroeroziionnaya obrabotka metallov*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 88 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tom 8. No. M-58-6/1)

ELECTRIC METERS

Device for line electricians. P. Uschepovskii. *Radio* no. 3:48-49 Mr '63.

Electric humidity meter for measuring the humidity of grain. I. Zaitsev, A. Semenov. *Tekhn. v sel'khoz.* 22 no. 7:64-65 Ji '62.

Measurement equipment. *Radio* no. 3:24-26 Mr '63.

ELECTRIC MOTORS

Copper-graphite contacts on KT-33 contactors. Ugoi'. *Prom.* no. 6:81 N-D '62.

In the factories. *Prom. energ.* 18 no. 2:44 F '63.

New MT-MTK 000-700 electric motors for cranes and metallurgical plants. *Prom. energ.* 18 no. 2:55-58 F '63.

ELECTRIC MOTORS—MAINTENANCE AND REPAIR

Work practices in the Gorky Automobile Factory. S. I. Ogorodnov. *Vest. elektroprom.* 34 no. 2:58-60 F '63.

ELECTRIC MOTORS—STARTING DEVICES see subdivision under United States

ELECTRIC MOTORS—WINDINGS

Disassembly of short-circuited aluminum windings of the rotor of electric motors. G. T. Bavarykin. *Koks i khim.* no. 1:59 '63.

ELECTRIC MOTORS, ALTERNATING CURRENT

A.c. electric motors for cranes in metallurgical plants. V. A. Belyi. *Bul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* no. 1:46-49 '63.

ELECTRIC MOTORS, DIRECT CURRENT

Collectorless d.c. drive. V. V. Tsokanov, O. A. Kossov. *Elektrichestvo* no. 1:22-26 Ja '63.

Direct-current zero-size unified P-series electric motors. P. R. Baryshev, A. A. Khavin. *Bul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* no. 2:59-60 '63.

Temperature control of the armature windings of large d.c. machines of rolling mills. I. N. Bogachenko. *Energ. i elektrotekh. prom.* no. 4:34-38 O-D '62.

ELECTRIC MOTORS, INDUCTION

A composite slippage regulator for asynchronous motors. I. A. M. Palei, A. S. Lenovich, A. I. A. Dubinets. *Energ. i elektrotekh. prom.* no. 4:67-69 O-D '62.

Concerning the phase number of the short-circuited rotor of an asynchronous motor. A. I. A. Berger. *Vest. elektroprom.* 34 no. 2:78 F '63.

A double-stator asynchronous regulated motor. V. T. Belikov. *Energ. i elektrotekh. prom.* no. 4:43-45 O-D '62.

Experimental determination of the frequency characteristics of asynchronous motors. B. I. Kirkin. *Elektrichestvo* no. 1:12-16 Ja '63.

Single-phase induction motor-conditioner "Azerbaijan." R. I. Telyshinskiy, F. A. Batramova. *Izv. AN Azerb. SSR. Ser. fiz. - mat. i tekhn. nauk* no. 4:89-96 '62.

Universal mechanical characteristics of asynchronous machines taking into account the rate of change of slippage. A. V. Ivanov-Smolenskii. *Elektrichestvo* no. 1:7-12 Ja '63.

ELECTRIC MOTORS, INDUCTION—TESTING

System for testing loaded asynchronous electric motors with four poles and power exceeding 100 kw. V. I. Levin. *Vest. elektroprom.* 34 no. 2:63-64 F '63.

ELECTRIC MOTORS, SYNCHRONOUS

Concerning P. S. Tiagulev's article "Choice of a synchronous motor for driving a centrifugal pump" when started with an open pressure latch." I. A. Syromiatnikov. *Prom. energ.* 18 no. 2:50-51 F '63.

ELECTRIC NETWORKS

Amplitude triggers using tunnel diodes. M. S. Neiman, G. P. Zemtsov. *Radiotekhnika* 18 no. 1:40-47 Ja '63.

Analysis of the stability of autocompensating networks. V. S. Verkhovtsev, L. A. Sinitskii, I. U. M. Shumkov. *Avtom. kont. i izm. tekhn.* no. 6:144-154 '62.

Calculation of the mode of operation of a multiple short-circuited electrical network using the "Ural-1" computer. V. G. Kholmetskii, I. U. V. Shcherbina, V. D. Sezonova. *Energ. i elektrotekh. prom.* no. 4:23-25 O-D '62.

Determining the order of a linear electrical network. B. I. Arkhison, A. I. Kniaz'. *Radiotekhnika* 18 no. 1: 12-18 Ja '63.

Doubling an electrical blasting network. M. M. Dokuchaev. *Vzryv. rab.* no. 3:132-137 '63.

Frolov, B. V. [Manual on the calculation of a.c. networks using symbolic notation] *Posobie po raschetu tsopol' peremennogo toka simvolicheskimi metodami*. Leningrad, Leningr. in-t aviatstionnogo priborostroeniya, 1960. 31 p.

Reliability of some circuits for the load-in of reserve devices. P. I. Popov, V. G. Terent'ev. *Avtom. i telemek. sbor. st.* no. 3:30-43 '62.

Study of the operation of a transistor switch with an active-inductive load. V. G. Bosenko, N. B. Sutorikhin, G. Z. Maksimov. *Elektrosviaz'* 17 no. 1:64-68 Ja '63.

Transformation of a multilateral network to an equivalent star. N. G. Maksimovich. *Avtom. kont. i izm. tekhn.* no. 6:11-15 '62.

Transformation of phase shifts during frequency conversions. R. I. A. Berkman, M. A. Rakov. *Radiotekhnika* 18 no. 1:78-79 Ja '63.

A universal UPV-1 device for electric measurements in secondary commutation networks. I. V. Gostev, A. L. Grinblat. *Elek. sta.* 33 no. 12:70-73 D '62.

Use of operational calculus in the study of periodic processes. I. G. Kilatskin. *Radiotekhnika* 18 no. 1:3-11 Ja '63.

ELECTRIC OSCILLATORS see Oscillators, Electric

ELECTRIC POTENTIAL see Potential, Theory of

ELECTRIC POWER

Awards received by the participants of the Seventeenth All-Union Competition on Best Suggestions on the Saving of Electric and Thermal Power. *Prom. energ.* 18 no. 2:46-47 F '63.

[Electric power production and utilization in foreign countries; supplement to the periodical "Elektricheskie stantsii"] *Energokhoz. za rub.* no. 5 S-O '62; no. 1 Ja-F '63.

Marinchenko, V. A. [Efficient use of electric power in rolling mills] *Voprosy ratsional'nogo ispol'zovaniya elektroenergii v prokatnykh tsakhakh*. Moskva, Metallurgizdat, 1962. 134 p.

[MICROFILM]

Power engineering considerations and prospects of using electric power for heating purposes. B. P. Taranov. *Energ. i elektrotekh. prom.* no. 4:42 O-D '62.

This is the fifth year of the seven year plan. *Elek. sta.* 34 no. 1:2-6 Ja '63.

ELECTRIC POWER--ABSTRACTS

[Electrical engineering and electric power] Ref. zhur., Elektrotekh. i energ. no. 1 Ja '63.

ELECTRIC POWER DISTRIBUTION

(see also subdivision under Europe, Eastern)
Achievement of a closed-loop network in a municipal 6 and 0.38 kv. power distribution system. S. I. Boichuk. Elek. sta. 33 no. 12:43-46 D '62.

Blocking of the grounding blades in high-voltage electric power distribution devices. F. I. Sin'chugov. Elek. sta. 34 no. 1:88-89 Ja '63.

Brief information. Prom. energ. 18 no. 2:48-49 F '63.

A busbar protection system based on a principle which involves the comparison of current direction. G. G. Kostanien. Elek. sta. 34 no. 1:55-60 Ja '63.

Comparison of the applicability of small parameter and harmonic balance techniques in calculating the periodic operating conditions of electric power transmission lines with nonlinear parameters. K. P. Kadomskaya and others. Izv. vyz. ucheb. zav.; energ. 6 no. 1:117-118 Ja '63.

Concerning L. I. Dvoskin's article "Schematic of the connections and construction of standard GRU 6 to 10 kv. systems with double reactor banks for large thermal electric power plants." B. S. Uspenski. Elek. sta. 34 no. 1:89-90 Ja '63.

Concerning the connection of the RT-2 inverse-sequence filter-relay. Elek. sta. 34 no. 1:85-86 Ja '63.

Concerning the engineering and economic expediency in compensating the inductance of intermediate synchronous compensators of long-distance power transmission lines. G. E. Pospelov. Izv. vyz. ucheb. zav.; energ. 6 no. 1:25-27 Ja '63.

Concerning the load carrying capacity of power transformers. L. M. Shnitser. Elektrichestvo no. 1: 73-75 Ja '63.

Concerning the use of deep entrances with 35/10/6 and 110/10/6 kv. transformers. A. I. Lepilin. Prom. energ. 18 no. 2:36-37 F '63.

Decrease in the loading effect of a UBK-3 regulator on a power transformer. O. N. Kryzhanovskii. Elek. sta. 33 no. 12:78 D '62.

"Electric power supply of industrial enterprises" by A. A. Fedorov. Reviewed by S. D. Volobrin. P. N. Klein. Elektrichestvo no. 1:84-86 Ja '63.

Engineering and economic efficiency of complex tele-mechanical and automatic control systems in electric power distribution networks. N. S. Shabalina. Elek. sta. 34 no. 1:60-64 Ja '63.

Etierel, N. S. [Electric power plants, substations, lines, and power-distribution networks] Elektricheskoe stantsii, podstantsii, lini i seti. Moskva, Proftekhizdat, 1962, 239 p.

Experience in the construction of a 600 kv. d. c. power transmission line between the Volga Hydroelectric Power Station (22d Congress of the CPSU) and the Donets Basin. P. A. Pavlovskii. Energ. stroi. no. 30: 71-77 '62.

Experience in using a closed-loop network in a low-voltage power distribution system. D. G. Gnevko, A. M. Zorozhnyi. Elek. sta. 33 no. 12:40-42 D '62.

Experience in using "villite" arresters. D. V. Shishman, A. A. Gurevich. Elek. sta. 33 no. 12:46-51 D '62.

Matching of a remote-type protection system with a composite current and voltage cutoff system in 110 to 220 kv. networks. T. N. Dorodnova, N. V. Murashko. Elek. sta. 33 no. 12:65-70 D '62.

Measurement of the electrical resistance of protective equipment ground circuits. I. A. Chernyi. Prom. energ. 18 no. 2:16-18 F '63.

Measures against the contamination of electric insulators on electric substations and power transmission lines. M. V. Khramikov. Elek. sta. 33 no. 12:51-54 D '62.

A new drive for 10 kv. oil-filled switches. O. S. Kvachev, G. I. Meshchchenko, R. F. Stasenko. Energ. i elektrotekh. prom. no. 4:45-48 O-D '62.

Nonsymmetrical three-phase to two-phase transformers for electric power supply of single-phase traction networks. A. V. Koritskii, N. A. Melnikov, D. V. Timofeev. Elektrichestvo no. 1:48-51 Ja '63.

Petrovskii, A. N. [Automatic control and relay protection of electrical systems in oil fields] Avtomatika i rel'einaia zashchita elektrostaniyok neflianykh promyslov. Leningrad, Gostekhtizdat, 1962, 322 p.

Poliakov, B. A. [Condenser systems for power factor improvement] Kondensatornye ustanovki dlia povysheniia koefitsienta moshchnosti. Izd. 2., perer. Moskva, Gosenergoizdat, 1962, 251 p.

Prevention of faulty operation of differential current protection systems. Elek. sta. 33 no. 12:68 D '62.

"Problems of relay protection and methods for solving them" by A. M. Averbukh, Kh. A. Rybak. Reviewed by B. I. Shabadash. Elek. sta. 33 no. 12:80-87 D '62.

Regulation of voltages and reactive power in long d. c. power transmission lines tied at a nodal point. D. V. Kholmiskii, A. N. Morozov. Elektrichestvo no. 1:1-8 Ja '63.

Reply to B. S. Uspenski's remarks. L. I. Dvoskin. Elek. sta. 34 no. 1:90 Ja '63.

Russia (1923- U. S. S. R.) Glavnoe energeticheskoe upravlenie. [Temporary directives for determining the electrical loads of industrial enterprises] Vremennye rukovodiaschie ukazaniia po opredeleniiu elektricheskikh nagruzok promyshlennykh predpriatii. Moskva, Gosenergoizdat, 1962, 45 p.

Semiclosed power distribution networks in the overall electrification of rural areas. I. T. Dashchenko. Prom. energ. 18 no. 2:28-31 F '63.

Small parameter and harmonic balance techniques in the calculation of periodic operating conditions of unloaded electric power transmission lines. A. I. Dolginov. Izv. vyz. ucheb. zav.; energ. 6 no. 1:115-117 Ja '63.

Study of the characteristics of corona on an open span by superposing d. c. on a. c. V. I. Syroid. Izv. vyz. ucheb. zav.; energ. 6 no. 1:37-42 Ja '63.

Study the feature of equivalent network representation of synchronous generators in asynchronous operation. I. U. M. Shakhazarian, KhE Ian-tsaan' [He Yang-Tsuan]. Izv. vyz. ucheb. zav.; energ. 6 no. 1:1-9 Ja '63.

Unusual occurrences in a rural power distribution network with longitudinal capacitive compensation. L. I. Voronov. Bul. nauch.-tekhn. inform. SZNISKH no. 3: 77-79 '62.

Use of closed-loop distribution networks in the electric power supply of industrial enterprises. B. L. Aizenberg. Elektrichestvo no. 1:55-59 Ja '63.

Use of time delay in an automatic frequency control system. L. A. Azatova. Elek. sta. 34 no. 1:86-87 Ja '63.

ELECTRIC POWER DISTRIBUTION--HANDBOOKS, MANUALS, ETC.

[Handbook for power engineering workers of the textile industry] Spravochnik energetika tekstil'noi promyshlennosti [By] S. V. Gartung, D. M. Dubkov. Moskva, Rostekhtizdat. Vol. 1. [Electrical engineering] Elektrotehnika. 1962, 759 p.

Romanovskii, V. M., and V. K. Bozhko. [A manual for electricians] Spravochnik elektrika; posobie dlia uchashchikhsia srednei shkoly s proizvodstvennym obucheniem. Moskva, Uchpedgiz, 1962, 191 p.

Troinin, M. F., and N. S. Ushakov. [Manual for electricians] Spravochnaia kniga elektromontera. Pod red. N. S. Verevkina. [Leningrad] Lenizdat, 1962, 263 p.

ELECTRIC POWER DISTRIBUTION--HIGH TENSION
Principles for selecting the dimensions of extra high voltage power transmission lines. G. N. Aleksandrov. Izv. vyz. ucheb. zav.; energ. 6 no. 1:28-36 Ja '63.

ELECTRIC POWER PLANTS

(see also subdivision under Krasnoyarsk; Transcaucasia; United States; Volinsk)

Concerning V. I. Rubinov's article "A new regulating device for draft and blasting machines." N. P. Kurkin, A. I. Kriukov. Elek. sta. 33 no. 12:85 D '62.

Concerning V. L. Poshekhonov's article "New standard design of a thermal electric power plant." I. A. L. Polynovskii. Teploenergetika 10 no. 2:93-94 F '63.

Economic efficiency of the construction of outdoor-type thermal electric power plants in the U. S. S. R. V. A. Zaidel'. Energ. stroi. no. 30:59-60 '62.

Effect of the outdoor installation of equipment on the increase of the operating expenditures. V. A. Zaidel'. Elek. sta. 33 no. 12:36-40 D '62.

Etierel, N. S. [Electric power plants, substations, lines, and power-distribution networks] Elektricheskoe stantsii, podstantsii, lini i seti. Moskva, Proftekhizdat, 1962, 239 p.

Features of the construction of large municipal thermal electric power plants with supercritical steam parameters; based on the experience of the city of Moscow. G. I. Roslevskii, A. R. Monastyrskaya, E. P. Shubin. Elek. sta. 34 no. 1:13-17 '63.

Increase in the reliability of the self-needs power supply network of a thermal electric power plant. R. M. Ziganshin. Elek. sta. 33 no. 12:78-79 D '62.

Joint system of operating hydraulic and thermal plants in years of heavy rainfall. L. S. Boliav. Gidr. stroi. 32 no. 8:30-34 S '62.

Kharin, B. D. [Organization of the construction of thermal electric power plants] Organizatsiia stroitel'stva teplovyykh elektrostani, Moskva, Gosenergoizdat, 1962, 242 p.

Komarov, G. P., and I. U. N. Chekhovok. [Automation of industrial processes in a thermal electric power plant] Avtomatizatsiia proizvodstvennykh protsessov teplovoi elektrostani. Kiev, Gostekhtizdat, USSR, 1962, 116 p.

Means for increasing the working strength of the welded joints of heating surfaces. E. D. Lonaki, P. M. Gura. Elek. sta. 33 no. 12:28-29 D '62.

Methods for preventing the clogging and adherence of wet coal in the conveying system of a thermal electric power plant. I. F. Pliushch. Energ. i elektrotekh. prom. no. 4:60-62 O-D '62.

Neporozhnyi, P. S. [Problems and objectives in the construction of power engineering systems in the U. S. S. R.] Zadachi i puti sovershenstvovaniia energeticheskogo stroitel'stva SSSR. Moskva, Gosenergoizdat, 1959, 45 p.

Practice of choosing the initial parameters of steam in electric power plants in foreign countries. I. S. Popyrin. Teploenergetika 10 no. 2:88-89 F '63.

Problem concerning the operational strength of welded steampipe joints in electric power plants. S. S. Iakobson, L. L. Zemlianskaia, I. V. Staniuk. Teploenergetika 10 no. 2:64-69 F '63.

Problems confronting the construction agencies and objectives of electric power machinery construction workers. Energ. stroi. no. 30:3-7 '62.

Technical and economic basis for the calculation of value of heating coefficient in the design of the thermal electric power plants. A. I. Korneichev, V. M. Bykov. Teploenergetika 10 no. 2:60-63 F '63.

Use of electronic computers in automation and operation of thermal electric power plants. E. G. Prouta. Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. tekhn. i tekhn. inform. no. 1:88-91 '63.

We should use greater speed in constructing 300 Mw. blocks with 130 atm. pressures and 555° C temperatures for operation on cheap fuels. I. U. N. Plakserman. Energ. stroi. no. 30:36-38 '62.

Work of the State Trust for the Organization and Efficiency of Electric Power Plants. V. I. Trembovskii. Teploenergetika 10 no. 2:91-92 F '63.

ELECTRIC POWER PLANTS--DESIGN AND CONSTRUCTION

Kuptsov, I. P., and I. R. Ioffe. [Design and construction of thermal electric plants] Proektirovaniia i stroitel'stvo teplovyykh elektrostani, Moskva, Gosenergoizdat, 1962, 386 p.

ELECTRIC POWER PLANTS--ELECTRIC EQUIPMENT
Concerning the start network of automatic N-11 analogographs. M. A. Kogan, V. I. Pavlov. Elek. sta. 33 no. 12:80 D '62.

"Electrical equipment of electric power plants and substations" by L. N. Bapidianova, V. I. Tarasova. Reviewed by N. A. Korzh. Izv. vyz. ucheb. zav.; energ. 6 no. 1:119-122 Ja '63.

Installation of remote control, automatic control, and temperature regulating devices in a 200 Mw. boiler system. G. K. Telizhenko. Energ. stroi. no. 30:20-23 '62.

Kamenskii, A. V., and I. P. Kuptsov. [Control and measuring system of the electric section of thermal electric power plants] Kontrol'no-izmeritel'naya sistema elektricheskoi chasti teplovyykh elektrostani; tekhnika i kursy "Elektricheskaya chast' elektrostani i podstantsii" dlia studentov energeticheskogo fakul'teta spetsial'nosti "Elektricheskoe stantsii, seti i sistemy." Atn. skva, Gos. izd-vo "Vysshiaia shkola," 1961, 40 p.

ELECTRIC POWER PLANTS--EQUIPMENT AND SUPPLIES

Engel-Kron, I. V. [Mechanic's manual for repairing turbines and chemical shop equipment] Slesar' po remontu oborudovaniia turbinykh i khimicheskikh tekhn., Moskva, Proftekhizdat, 1962, 201 p.

"Instructions on the maintenance of the boilers of an electric power plant." Reviewed by M. A. Molin. Elek. sta. 34 no. 1:90-91 Ja '63.

ELECTRIC POWER PLANTS--PERIODICALS

Literature on power engineering in foreign countries. Teploenergetika 10 no. 2:94-96 F '63.

ELECTRIC POWER PLANTS--SAFETY MEASURES

Classification of objects and spaces in electric power plants for the purpose of choosing explosion and fireproof electrical equipment. A. I. Kots. Elek. sta. 34 no. 1:92-93 Ja '63.

ELECTRIC POWER PLANTS--WATER SUPPLY

Choice of the depth of water cooling reservoirs with consideration of the prevention of the growth of aquatic vegetation. P. A. Denisov. Elek. sta. 34 no. 1:33-37 Ja '63.

Start and operation of the water supply structures of a state regional electric power plant during low temperatures. E. I. Orlov. Elek. sta. 34 no. 1:79-80 Ja '63.

ELECTRIC POWER PRODUCTION

In foreign countries. Prom. energ. 18 no. 2:40 F '63.

ELECTRIC POWER SUPPLY TO APPARATUS

Circuits of phase-sensitive transistor rectifiers. M. A. Rakov. Avtom. kont. i izm. tekhn. no. 6:105-108 '62.

Design of an electric current rectifier with parallel tank circuit load. I. U. M. Shumkov. Avtom. kont. i izm. tekhn. no. 6:44-58 '62.

ELECTRIC PROSPECTING

(see also subdivision under Caspian Sea region)

Comparison of methods for electrical compensation of primary signals in electric aerial prospecting equipment using an induction technique. B. I. Blazhevich, S. K. Kuzovkin. Avtom. kont. i izm. tekhn. no. 6:179-183 '62.

Effect of anisotropy of rocks on the results obtained by the electric correlation method. A. V. Tarasova. Mat. po geol. i pol. iskop. Urala no. 10:147-150 '62.

Magnetic dipole in a medium with a cylindrical dielectricity. G. N. Zverev, V. A. Kusov. Izv. AN SSSR, Ser. geofiz. no. 1:128-134 Ja '63.

ELECTRIC PROTECTION

- AFV-RU apparatus for protection of electrical networks in mines. V. V. Glushko, D. I. Gertsenshteyn, A. P. Karev. *Energ. i elektrotekh. prom.*, no. 4:38-41 O-D '62.
- A busbar protection system based on a principle which involves the comparison of current direction. G. G. Kostanien. *Elek. sta.* 34 no. 1:55-60 Ja '63.
- Concerning the connection of the RT-2 inverse-sequence filter-relay. *Elek. sta.* 34 no. 1:85-86 Ja '63.
- Experience in using "vifite" arresters. D. V. Shishman, A. A. Gurevich. *Elek. sta.* 33 no. 12:46-51 D '62.
- Gavlenko, I. A. [New transistorized protection relays] *Novye role zashchity na poluprovodnikakh*. Kiev, Gostekhizdat USSR, 1962. 210 p.
- Matching of a remote-type protection system with a composite current and voltage cutoff system in 110 to 220 kv. networks. T. N. Dorodnova, N. V. Murashko. *Elek. sta.* 33 no. 12:65-70 D '62.
- Prevention of faulty operation of differential current protection systems. *Elek. sta.* 33 no. 12:88 D '62.
- "Problems of relay protection and methods for solving them" by A. M. Averbukh, Kh. A. Rybak. Reviewed by B. I. Shabadash. *Elek. sta.* 33 no. 12:86-87 D '62.
- Protection of power transformers. A. Bedrin. *Radio no.* 2:30 F '63.
- A regulator for automatic adjustment of arc-quenching coils in electric cable networks. A. P. Trukhan. *Energ. i elektrotekh. prom.*, no. 4:6-8 O-D '62.
- Stabilization of the electric current of the polarized protection system of a nickel-lined boiler. I. A. Shapirshtein. *Energ. i elektrotekh. prom.*, no. 4:69-71 O-D '62.
- Use of an AB-1-type automatic device for protecting the N60 electric locomotive from generator currents. N. M. Novogrenko, L. N. Kirbiat'ev, I. T. Zastavnoi. *Elek. i tepl. tiaga* 6 no. 12:28-31 D '62.
- Use of time delay in an automatic frequency control system. L. A. Azatova. *Elek. sta.* 34 no. 1:86-87 Ja '63.

ELECTRIC PUMPS see Pumping machinery, Electric

ELECTRIC RAILROADS

- Automatic control of an electric train. G. V. Faminiskii. *Elek. i tepl. tiaga* 7 no. 1:10-12 Ja '63.
- Concerning some faults of electric trains. N. A. Lapin. *Elek. i tepl. tiaga* 7 no. 2:39-40 F '63.
- Electrical networks of an electric train using silicon rectifiers. L. S. Lynluk, I. V. Surguchov. *Elek. i tepl. tiaga* 7 no. 1:28-32 Ja '63.
- Guaranteed service time of the overhead contact system poles. I. U. I. Malimov. *Zh. el. dor. transp.* 45 no. 2:34-38 F '63.
- Increase the life of the reinforced concrete foundations and poles of a contact network. V. S. Artamonov. *Transp. stroit.* 12 no. 9:16-18 S '62.
- Present state and principal trends in the automation of the control processes of electric rolling stock. B. P. Petrov, I. D. Kochurayev. *Elektrichestvo* no. 1:28-32 Ja '63.
- ELECTRIC RAILROADS—BIBLIOGRAPHY see Bibliography—Electric railroads

ELECTRIC RAILROADS—BRAKES

- Replies to the inquiries of our readers. M. E. Lemberiskii. E. G. Boya. *Elek. i tepl. tiaga* 6 no. 12:39-40 D '62.

ELECTRIC RAILROADS—CURRENT SUPPLY

- Accounting of electric power expenditure in new traction substations. I. G. Mochenov. *Elek. sta.* 33 no. 12:54-56 D '62.
- Effect of voltage deflection in the overhead network on the heating of the armature coils of the motor of a d. c. electric locomotive. A. M. Vol'f. *Trudy TSNII MPS* no. 246:119-154 '62.
- Formation of rectifiers using the self-needs transformer. I. M. Lashchevskii, L. N. Maidakov. *Elek. i tepl. tiaga* 8 no. 12:17 D '62.
- From previous inefficiency to present economy of electric power. F. A. Kengerinskii. *Elek. i tepl. tiaga* 6 no. 12:20 D '62.
- Increase in the stability of the excitation of mercury rectifiers using semiconductor ignitrons. M. V. Gel'man. *Vest. elektroprom.* 34 no. 2:17-21 F '63.
- Letters to the editor. *Elek. i tepl. tiaga* 7 no. 1:45 Ja '63.
- Methods for conducting operational tests of ignitrons. S. P. Kosolapov. *Elek. i tepl. tiaga* 6 no. 12:33-35 D '62.
- New developments in the designs and layouts of the stations. I. I. Iur'ev. *Avtom., telem. i svyaz'* 8 no. 7:10-19 Ji '62.
- Nonsymmetrical three-phase to two-phase transformers for electric power supply of single-phase traction networks. A. V. Koritskii, N. A. Mol'nikov, D. V. Timofeev. *Elektrichestvo* no. 1:48-51 Ja '63.
- A selective device for measuring the harmonic components of traction network current. G. K. Efimov, V. S. Dmitriev. *Avtom., telem. i svyaz'* 7 no. 1:7-9 Ja '63.

- Use of ordinary automatic control means. A. F. Bobkov, N. I. Stepin. *Elek. i tepl. tiaga* 6 no. 12:26 D '62.

ELECTRIC RAILROADS—ELECTRIC EQUIPMENT

- A metal excitron with fixed cathode spot. I. U. D. Khromol. *Vest. elektroprom.* 34 no. 2:36-40 F '63.

ELECTRIC RAILROADS—ELECTRIC MEASUREMENTS

- A selective device for measuring the harmonic components of traction network current. G. K. Efimov, V. S. Dmitriev. *Avtom., telem. i svyaz'* 7 no. 1:7-9 Ja '63.

ELECTRIC RAILROADS—EMPLOYEES

- Enthusiasts of new technical matters. I. U. M. Zamurav. *Elek. i tepl. tiaga* 6 no. 12:25 D '62.
- A new control board for electric substation attendants on duty at home. V. M. Erikh. *Elek. i tepl. tiaga* 6 no. 12:20-21 D '62.

ELECTRIC RAILROADS—HEATING AND VENTILATION

- Equipment failure on the ER1 electric train. N. K. Egorov. *Elek. i tepl. tiaga* 6 no. 12:31-32 D '62.

ELECTRIC RAILROADS—SAFETY MEASURES

- A grounding device with a blocking arrangement. K. I. Grabovetskii, G. A. Chebotarev. *Elek. i tepl. tiaga* 6 no. 12:8 D '62.
- Our attention is focused on safety engineering problems. D. A. Romashko. *Elek. i tepl. tiaga* 7 no. 2:14-15 F '63.

ELECTRIC RAILROADS—SAFETY REGULATIONS

- Russia (1923- U. S. S. R.) *Glavnoe upravlenie signalizatsii i svyazi*. [Safety engineering regulations for operating and servicing CTC and communication devices in a. c. electrified railroad districts. Standard instructions for electricians, repairmen, and workers on safety measures in the maintenance and repair of communication systems of a. c. electrified railroad districts] *Pravila po tekhnike bezopasnosti pri obsluzhivani i remonte ustroystv StB i svyazi na uchastkakh elektrotiagi peremennogo toka*. Tipovaya instruktsiya elektromekhanika, montiru i rabochemu po tekhnike bezopasnosti pri obsluzhivani i remonte ustroystv svyazi na uchastkakh elektrotiagi peremennogo toka. Moskva, Transzheldorizdat, 1962. 39 p.

ELECTRIC RAILROADS—SIGNALING—BLOCK SYSTEM

- Construction and adjustment of automatic block systems in a. c. railroad districts. B. N. Filippov. *Avtom., telem. i svyaz'* 7 no. 1:27-31 Ja '63.

ELECTRIC RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

- Russia (1923- U. S. S. R.) *Glavnoe upravlenie signalizatsii i svyazi*. [Safety engineering regulations for operating and servicing CTC and communication devices in a. c. electrified railroad districts. Standard instructions for electricians, repairmen, and workers on safety measures in the maintenance and repair of communication systems of a. c. electrified railroad districts] *Pravila po tekhnike bezopasnosti pri obsluzhivani i remonte ustroystv StB i svyazi na uchastkakh elektrotiagi peremennogo toka*. Tipovaya instruktsiya elektromekhanika, montiru i rabochemu po tekhnike bezopasnosti pri obsluzhivani i remonte ustroystv svyazi na uchastkakh elektrotiagi peremennogo toka. Moskva, Transzheldorizdat, 1962. 39 p.

ELECTRIC RAILROADS—SUBSTATIONS

- Failure to comply with safety engineering requirements. L. A. Iakovlev. *Elek. i tepl. tiaga* 6 no. 12:41 D '62.
- Means for increasing the reliability and selectivity of the protection systems of traction substations. M. I. Vokaler. *Elek. i tepl. tiaga* 7 no. 2:10-12 F '63.
- A new control board for electric substation attendants on duty at home. V. M. Erikh. *Elek. i tepl. tiaga* 6 no. 12:20-21 D '62.

ELECTRIC RAILROADS—WIRES AND WIRING

- A grounding device with a blocking arrangement. K. I. Grabovetskii, G. A. Chebotarev. *Elek. i tepl. tiaga* 6 no. 12:8 D '62.
- Interaction of the pantograph and the contact network at high train speeds. L. A. Visloukh. *Elek. i tepl. tiaga* 7 no. 2:44-46 F '63.
- Measures for increasing the operational reliability of a contact network. E. N. Schastnyi. *Elek. i tepl. tiaga* 6 no. 12:13-14 D '62.

ELECTRIC RAILWAY MOTORS

- Cutting the time of preliminary drying of the armature of electric traction engines before impregnation. I. U. N. Vinogradov, B. V. Rudakov, G. B. Kirillov. *Trudy TSNII MPS* no. 246:113-118 '62.
- The first experience in using auxiliary brushes in the traction motors of electric locomotives. I. L. Slavin. *Elek. i tepl. tiaga* 7 no. 2:9 F '63.
- Our observations, conclusions, and suggestions concerning the operation of NB-406B traction motors. G. G. Ogulenko, V. V. Kim. *Elek. i tepl. tiaga* 6 no. 12:22-23 D '62.

ELECTRIC RAILWAY MOTORS—TESTING

- Investigating the smooth regulation of the magnetic flux of the electric traction engines of diesel locomotives. G. M. Kovnar, I. P. Borodulin, E. V. Lisitsyn. *Trudy MIT* no. 151:153-170 '62.

ELECTRIC RELAYS

- Connection of a directional resistance relay to a line voltage source with phase current. V. A. Semenov. *Elek. sta.* 33 no. 12:80-82 D '62.
- A feedback link for relay control systems. I. A. T. Dub. *Avtom. kont. i izm. tekhn.* no. 6:155-164 '62.
- Gavlenko, I. A. [New transistorized protection relays] *Novye role zashchity na poluprovodnikakh*. Kiev, Gostekhizdat USSR, 1962. 210 p.
- The "Gorsvet" automatic photoelectric device. G. Evstunichiev. *Zhil.-kom. khoz.* 12 no. 10:23 O '62.
- Improvement of the characteristics of differential relays with saturable transformers. V. V. Platonov. *Izv. vys. ucheb. zav.*; *energ.* 6 no. 1:9-16 Ja '63.

- In the factories. *Prom. energ.* 18 no. 2:44 F '63.
- New modification of leakage relays. L. S. Tonkoshkur. *Bezop. truda v prom.* 6 no. 11:28 N '62.
- "Problems of relay protection and methods for solving them" by A. M. Averbukh, Kh. A. Rybak. Reviewed by B. I. Shabadash. *Elek. sta.* 33 no. 12:86-87 D '62.
- Restoration of anticorrosive lacquer coatings on electrical relay components. S. I. A. Bystritskaia-Averbukh. *Avtom., telem. i svyaz'* 7 no. 1:34-36 Ja '63.

Russia (1923- U. S. S. R.) *Glavnoe energeticheskoe upravlenie*. [Methodology for adjusting hydromechanical control equipment of hydroelectric power stations] *Metodika naladki gidromekhanicheskoi apparatury avtomatiki GES*. Moskva.

- Pt. 1. [Rotation relays and jet relays] *Rele oborotov i strunnye rele*. 1961. 38 p. [MICROFILM]

- Study of the operation of a transistor switch with an active-inductive load. V. G. Bosenko, N. B. Sutorikhin, G. Z. Maksimov. *Elektrosvyaz'* 17 no. 1:64-68 Ja '63.
- Transistor time relays. V. M. Dmitriev, R. A. Lipaman. *Vest. elektroprom.* 34 no. 2:45-50 F '63.

ELECTRIC RELAYS—TESTING

- Method for testing certain electric relays of the TE3 diesel locomotive. F. I. Butenko. *Elek. i tepl. tiaga* 6 no. 12:32 D '62.

ELECTRIC RESISTANCE

- Investigation of the aging of paint and varnish coatings by measuring their electric resistance. G. I. Kulitinin. *Lakokras. mat. i ikh prim.* no. 1:52-54 '63.
- Theory of the electric resistance of ordered alloys; review. A. A. Smirnov. *Ukr. fiz. zhur.* 6 no. 2:151-156 F '63.

ELECTRIC RESISTORS

- Consideration of distributed capacitance of nonwire resistors. M. S. Mikhtinskii. *Radiotekhnika* 18 no. 1:68-71 Ja '63.
- Use of grid resistors in electric modeling of the solution to a system of differential equations describing heat and mass transfer [with summary in English]. L. A. Kozdo-Inzh.-fiz. zhur. 6 no. 2:66-74 F '63.

ELECTRIC RESISTORS—MEASUREMENT

- Device for measuring resistors. B. Mathunin. *Radio no.* 2:49-50 F '63.

ELECTRIC RESONATORS

- Generation threshold of an optical maser as dependent on the properties of the resonator. A. M. Samson, B. I. Stepanov, L. D. Khazov. *Dokl. AN SSSR* 148 no. 2:317-320 Ja '63.
- Use of cavity resonators for liquid level measurements. L. G. Palevich. *Dokl. AN SSSR* 148 no. 2:314-316 Ja '63.

ELECTRIC SUBSTATIONS

- Concerning the operation of synchronous compensators manufactured by the V. I. Lenin factory in the city of Pilsen in Czechoslovakia. T. P. Musatov, I. F. Soroka. *Energ. i elektrotekh. prom.* no. 4:64-67 O-D '62.
- Concerning the use of deep entrances with 35/10/6 and 110/10/6 kv. transformers. A. I. Lepilin. *Prom. energ.* 18 no. 2:36-37 F '63.
- Eliminate defects in the standard plan of an alternating-current traction substation. P. S. Kozlovskii, V. V. Shvinskii. *Transp. stroit.* 12 no. 7:44-45 Ji '62.
- Experience in the construction of a large electric substation. A. A. Makarov. *Energ. stroit.* no. 30:80-84 '62.
- Fixtures for electric substations using hollow aluminum wires. M. M. Kacianovich. *Elek. sta.* 34 no. 1:48-50 Ja '63.
- Susov, V. S., and B. D. Popov. [Precast transformer substations] *Sbornye transformatornye podstantsii*. Leningrad, 1962. 16 p. [Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 24]
- Use of electric transformers with split 6 kv. windings. I. U. V. Tamodlin. *Prom. energ.* 18 no. 2:31 F '63.

ELECTRIC SUBSTATIONS—ELECTRIC EQUIPMENT

"Electrical equipment of electric power plants and substations" by L. N. Baptidanova, V. I. Tarasova. Reviewed by N. A. Korzh. Izv. vys. ucheb. zav. i energ. 6 no. 1:119-122 Ja '63.

ELECTRIC SWITCHGEAR

Advantages and shortcomings of oil-filled and air switches. I. A. Sidanov, N. P. Simochatov. Elek. sta. 34 no. 1:76-78 Ja '63.

Device using magnetrons for measuring the residual current in switches. L. Z. Eidel', Elektrichestvo no. 1:88-72 Ja '63.

A new drive for 10 kv. oil-filled switches. G. S. Kvachev, G. I. Mel'nichenko, R. F. Stasenko. Energ. i elektrotekh. prom. no. 4:45-48 O-D '62.

Noncontact standard alternating voltage switch for weighing devices. L. I. A. Nagornyi, V. P. Topolev. Avtom. i prib. no. 3:66-68 J1-S '62.

Redesigning of the glands of air blowing pipes of air switches. V. L. Zemtsov. Elek. sta. 34 no. 1:84-85 Ja '63.

A switch consisting of several series-connected arc-quenching chambers. V. A. Kuleshov, B. N. Moroshkin, A. M. Rodov. Vest. elektroprom. 34 no. 2:28-31 F '63.

Synchronization circuit for testing high-voltage apparatus using a two-frequency synthetic network. G. E. Agafonov. Vest. elektroprom. 34 no. 2:50-54 F '63.

Thematic display "Low-voltage commutation apparatus units." V. I. Smorgonskii. Vest. elektroprom. 34 no. 2:77 F '63.

Use of isolators and short-circuiting devices in systems of hydroelectric power stations. B. N. Mikhalev. Izv. vys. ucheb. zav. i energ. 6 no. 1:17-24 Ja '63.

ELECTRIC SWITCHGEAR—MAINTENANCE AND REPAIR

Koluznev, A. M. [Repair and servicing of high-speed VAB-2 switches] Remont i obsluzhivanie bystro-deistvushchikh vyklyuchatelei tipa VAB-2. Moskva, Gosenergizdat, 1962. 47 p. (Biblioteka elektro-montera, no. 75)

ELECTRIC SWITCHGEAR—TESTING

Amendment of a part of the decision of October 12, 1961 of the Central Committee of the All-Union Main Power Engineering Administration and the Trade Union of workers of electric power plants, and the electrical industry. Elek. sta. 34 no. 1:92 Ja '63.

ELECTRIC TOOLS, PORTABLE see Power tools

ELECTRIC TRANSFORMERS

Concerning the load carrying capacity of power transformers. L. M. Slutser. Elektrichestvo no. 1: 73-75 Ja '63.

Effects of openings in the yokes and cores of magnetic circuits on the losses and idle current of an electric transformer. V. G. Rodionov. Vest. elektroprom. 34 no. 2:10-17 F '63.

Eightieth anniversary of the demonstration of the first commercial transformer. V. I. Sogreshlin. Fiz. v shkole 22 no. 6:106 N-D '62.

Improvement of the characteristics of differential relays with saturable transformers. V. V. Platonov. Izv. vys. ucheb. zav. i energ. 6 no. 1:9-16 Ja '63.

In the factories. Prom. energ. 18 no. 2:14 F '63.

A matching autotransformer for high-frequency apparatus. T. F. Mandrusov. Avtom., telem. i svyaz' 6 no. 7: 35 J1 '62.

Nonsymmetrical three-phase to two-phase transformers for electric power supply of single-phase traction networks. A. V. Koritski, N. A. Mel'nikov, D. V. Timoleev. Elektrichestvo no. 1:48-51 Ja '63.

Protection of power transformers. A. Bedrin. Radio no. 2:30 F '63.

Transformers for duplex amplifiers without differential systems. B. N. Smorgonskii. Avtom., telem. i svyaz' 7 no. 1:38 Ja '63.

Use of electric transformers with split 6 kv. windings. I. U. V. Tamodlin. Prom. energ. 18 no. 2:31 F '63.

Voltage transformer of 0.1 precision class. B. A. Globa. Avtom. i prib. no. 3:64-65 J1-S '62.

ELECTRIC TRANSFORMERS—MAINTENANCE AND REPAIR

Koval'skii, K. V. [Calculation of windings in transformer repair and rewinding operations] Raschet transformatornykh obmotok pri remontakh i peremotkakh. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 48 p.

ELECTRIC TRANSFORMERS—SAFETY APPLIANCES

Device for automatic restriction of the idling of welding transformers. V. Glinchevskii. Mashinostroenie no. 6:104-105 N-D '62.

ELECTRIC TRANSFORMERS—TESTING

Operation of three-phase salient-pole generators with two phases of the stator being loaded by a nominal current. G. N. Ter-Gazarian, A. Sh. Vashokidze. Vest. elektroprom. 34 no. 2:22-25 F '63.

ELECTRIC UNITS

International system of units. L. R. Stotskii. Elek. sta. 34 no. 1:65-75 Ja '63.

ELECTRIC UTILITIES

The most important thing is confidence in man. E. Trubitsina, M. Shlykov. Zhil.-kom. khoz. 12 no. 10: 22-23 O '62.

ELECTRIC WAVE FILTERS see Electric filters

ELECTRIC WELDING

Argon-arc welding of vacuum-tight joints on heat exchangers. I. G. Kobylanski, V. D. Peshekhonov. Svar. proizv. no. 1:40 Ja '63.

Automatic argon-arc welding of bellows and membranes to solid parts. V. V. Roshchin, V. I. Mironov. Svar. proizv. no. 2:39-40 F '63.

Automatic control of resistance welding. N. L. Kaganov. Izv. vys. ucheb. zav. i mashinost., no. 9:140-144 '62.

Automatic welding under flux of cylindrical products made of the BT5-1 alloy. V. B. Volkov, M. A. Dantlov. Svar. proizv. no. 1:39-40 Ja '63.

Brief information. Prom. energ. 18 no. 2:48-49 F '63.

Continuous line for the assembly and welding of firebox shells for grain driers. O. A. Rakov, A. P. Liubanskii. Svar. proizv. no. 1:19-20 Ja '63.

Correction of steel castings by electric welding. M. S. Gvozdev. Mashinostroi'tel' no. 1:34-35 Ja '63.

Effect of flange joints on stress distribution and the strength of certain weldments. V. I. Novikov. Avtom. svar. 15 no. 12:51-55 D '62.

Effect of heat generation in the arc on metal melting during welding. A. G. Mazel', I. N. Vornovitskii, V. D. Tarlinskii. Avtom. svar. 15 no. 12:32-40 D '62.

Electrical network and power source of a system for build-up welding with a weaving arc. A. Poltachenko, I. U. Zlotin. Tekh. v sel'khoz. 22 no. 12:62-66 D '62.

Foreign specialists in the Institute of Electric Welding. Avtom. svar. 16 no. 1:96 Ja '63.

Heat balance in the drip melting process of electrodes in arc welding. A. A. Erokhin. Avtom. svar. 15 no. 12:24-31 D '62.

Interconnection of edging parameters with the shape and size of the weld joint cross section. V. I. Shishkin. Avtom. svar. 15 no. 12:41-46 D '62.

Practices in repairing truck and tractor parts by build-up electric welding. V. T. Borshch. Mekh. sil', hosp. 13 no. 12:6-9 D '62.

Reconditioning crankshafts by build-up welding with a weaving arc in a flow of liquid. O. S. Zabarilo. Avtom. svar. 15 no. 12:69-72 D '62.

Resistance of parts during spot welding with preheating of uncleaned hot-rolled steel. N. E. Gorozhaninov. Svar. proizv. no. 1:13-14 Ja '63.

Submerged arc welding of ring joints. V. B. Rudik, A. I. Shneigel'berg. Mashinostroenie no. 6:105-106 N-D '62.

Temperature conditions in the electric slag process. B. S. Speranskii, I. U. A. Shul'te, I. A. Garevskikh. Avtom. svar. 16 no. 1:9-14 Ja '63.

Unit for building up the feed-mechanism carriage of a plier mill. I. U. P. Lysenko. Mashinostroenie no. 6: 56-57 N-D '62.

Use of a direct current in resistance welding. N. I. A. Kochanovskii, L. V. Zaichik. Svar. proizv. no. 1:35-36 Ja '63.

Vainholm, D. I. [Electric plug welding under flux in an atmosphere of protective gases] Svarka elektrozaklep-kami pod fluxom i v srede zashchitnykh gazov. Leningrad, 1962. 46 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Svarka i palka metallov, no. 3)

Welding by means of a vibrating electrode. M. G. Makeev, L. A. Aksenova. Trudy MIIT no. 100:76-85 '62.

Welding in a protective atmosphere of steam and gases separated from a welding bath. V. M. Ivanenko, N. M. Budnik. Svar. proizv. no. 1:9-10 Ja '63.

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

(see also subdivision under Vilnius)

ADGTS-500 automatic machine for the arc welding of girth joints in an atmosphere of protective gases. M. V. Ivanov. Svar. proizv. no. 1:25 Ja '63.

Condenser-discharge machine for the spot welding of large-size light-alloy structures. L. V. Zaichik, A. I. Komarchev. Svar. proizv. no. 2:35-38 F '63.

Design and performance of the universal automatic head for the weaving arc welding in the building up of parts for the rolling stock. P. V. Ereemeev, M. G. Makeev. Trudy MIIT no. 100:57-75 '62.

Device for the automatic disconnection of the anode current of an electron gun during the development of an arc discharge. A. B. Koval', Avtom. svar. 16 no. 1: 84-86 Ja '63.

Head for the spot welding of girth joints. A. F. Maliukov, G. A. Strafun. Svar. proizv. no. 1:37-39 Ja '63.

Movable equipment for the welding of aluminum. N. T. Mel'nichenko, B. I. Mokrov. Avtom. svar. 16 no. 1: 80-81 Ja '63.

New electric welding equipment. L. M. Ivanova. Biol. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:22-26 '63.

New type of tongs with built-in transformers. V. N. Tishura, A. I. Berzin, G. P. Ivanov. Avtom. svar. 16 no. 1:54-59 Ja '63.

OSN-1 movable unit for welding in a carbon dioxide medium. I. L. Kagan, A. A. Chubukov. Biol. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:28-30 '63.

Pidhalets'kii, V. V. [Fluxes for mechanized electric welding] Fluxy dlia mekhanizovannogo elektrozvartivannia. Kyiv, Derzhstekhyvdav URSR, 1961. 134 p.

Selecting equipment for the complete mechanization of build-up welding operations. A. V. Bystrov. Svar. proizv. no. 2:28-30 F '63.

Universal equipment for semiautomatic welding in assembly plants. N. T. Mel'nichenko, B. I. Mokrov. Avtom. svar. 15 no. 12:66-68 D '62.

ELECTRIC WELDING—HANDBOOKS, MANUALS, ETC.

Kakhova'kii, M. I. [A manual on electric welding] Posibnyk elektrozvarnyka. Kyiv, Derzhstekhyvdav URSR, 1962. 302 p.

ELECTRIC WELDING—HYGIENIC ASPECTS

Degree of radiation danger in the industrial use of thoriated electrodes. E. T. Elvaskina. Avtom. svar. 15 no. 12:60-65 D '62.

ELECTRIC WELDING—QUALITY CONTROL

Automatic quality control of spot welding of infrared radiation. T. P. Gubenko and others. Svar. proizv. no. 2:25-27 F '63.

ELECTRIC WELDING—STUDY AND TEACHING

Courses for the raising of qualifications. B. M. Obukhovskaia. Avtom. svar. 16 no. 1:95 Ja '63.

ELECTRIC WELDING—TESTING

Effect of build-up welding and edge-knurling thickness on the fatigue strength of reconditioned agricultural machine shafts. L. I. Dekhtiar. Svar. proizv. no. 1: 20-22 Ja '63.

Effect of repeated building up on the structure and mechanical properties of metals in the area of locally roller-treated surfaces and flanges. M. G. Makeev, L. A. Aksenova. Trudy MIIT no. 100:87-106 '62.

ELECTRIC WIRE

Study of the electrical "explosion" of wires using an oscilloscope. M. A. Mel'nikov, V. I. Obukhov. Izv. vys. ucheb. zav. i energ. 6 no. 1:99-102 Ja '63.

ELECTRIC WIRE—STANDARDS

[Electric cables, wires, and cords] Kabeli, provoda i shnury elektricheskie. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 571 p. (SSSR Gosudarstvennyy standart)

ELECTRIC WIRING

(see also subdivision under Izhevsk)

Andreoletti, V. K., and I. U. A. Drobotov, N. [Electric ducts and their use in large-panel construction] Elektrotekhnicheskie kanaly i ikh primeneniye pri krupnopanel'nom stroitel'stve. Leningrad, 1962. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 26)

ELECTRIC WIRING—HANDBOOKS, MANUALS, ETC.

Romanovskii, V. M., and V. K. Bozhko. [A manual for electricians] Spravochnik elektrika; posobie dlia uchashchikhsia srednei shkoly a proizvodstvennym obucheniem. Moskva, Uchpedgiz, 1962. 191 p.

Troinin, M. F., and N. S. Ushakov. [Manual for electricians] Spravochnaya kniga elektromontera. Pod red. N. S. Vorovkina. [Leningrad] Lenizdat, 1962. 203 p.

ELECTRIC WIRING, INTERIOR see subdivision under Volgograd

ELECTRIC WIRING, INTERIOR—HANDBOOKS, MANUALS, ETC.

Stephenko, N. N. [Installation of flat wires] Montazh ploskikh provodov. Moskva, Gosenergizdat, 1962. 44 p. (Biblioteka elektromontera, no. 78)

ELECTRICITY

Method of consecutive approximations for the axisymmetric problem of the elasticity theory. F. M. Detinko. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinost., no. 1: 68-75 Ja-F '63.

ELECTRICITY—EXPERIMENTS

Harmonic analyzer. L. M. Belavskaya. Fiz. v shkole 22 no. 6:46 N-D '62.

ELECTRICITY IN AGRICULTURE

Electric tools in agricultural production. B. D. Volovsk. Mekh. sil', hosp. 13 no. 12:25-26 D '62.

ELECTRICITY IN MINING

Eliminate structural shortcomings of electric equipment in mines. G. I. Kapellushnikov. Bezop. truda v prom. 7 no. 2:2-4 F '63.

Increase the economic efficiency of electric power distribution in mines. M. V. Greisukh. Gor. zhur. no. 2: 48-51 F '63.

Svetlichnyi, P. L. [Selection and use of electric equipment in a coal mine section] Vybor i ekspluatatsia elektrooborudovaniia uchastka ugol'noi shakhty; spravochnik. Moskva, Gosgortekhnizdat, 1962. 420 p.

ELECTRICITY IN MINING—SAFETY MEASURES

AFV-RU apparatus for protection of electrical networks in mines. V. V. Gushko, D. I. Gertsenshtein, A. P. Karyev. *Energ. i elektrotekh. prom.*, no. 4:38-41 O-D '62.

ELECTRICITY ON SHIPS

Automatic control devices for marine electric power systems. *Sudostroenie* 29 no. 2:40-41 F '63.

Noncontact and switches in automatic control systems. V. I. Milovzorov. *Sudostroenie* 29 no. 2:38-40 F '63.

ELECTRICITY ON SHIPS—BIBLIOGRAPHY see Bibliography—Electricity on ships

ELECTROACOUSTICS

Artificial reverberation. *Radio* no. 3:54-56 Mr '63.

ELECTROCARDIOGRAPHY

Changes in cardiac activity during surgery under spinal anesthesia. A. A. Usmanov. *Zdrav. Kazakh.* 22 no. 11: 16-21 '62.

Characteristics of the electrocardiogram in hypertension in elderly and senile persons. A. V. Soboleva. *Trudy LIETIN* no. 4:124-131 '60.

Effect of blood losses on the function of the heart of irradiated rabbits as per electrocardiographic data. M. A. Movsesian. *Vop. rent. i onk.* 8:193-203 '61.

Electrocardiographic changes in adhesive pericarditis [in Georgian with summary in Russian]. O. D. Gvantseladze, T. I. Akhmeteli. *Trudy Inst. eksp. i klin. khim.* 1 gemat. AN Gruz. SSR 10:127-132 '62.

Electrocardiographic data on the effect of pyralidin on cardiac activity of healthy cattle and of those suffering from pyroplasmosis. P. B. Radkevich. *Trudy VIEV* 28:215-218 '62.

Electrocardiographic indices in burns. E. G. Kalinovskaya. *Vrach. delo* no. 11:146-147 N '62.

ELECTROCHEMICAL ANALYSIS

Electrocapillarometrical determination of toxic chemicals in biological materials. A. V. Vasin, IU. P. Kvitskin. *Veterinariia* 37 no. 11:83-85 N '60.

"Electrochemical reactions. The electrochemical methods of analysis" by G. Charlot, J. Badoz-Lambiling, B. Tremillon. Reviewed by A. I. Busev, N. G. Polianskii. *Zhur. anal. khim.* 17 no. 9:1123-1124 D '62.

Electrochemical separation and investigation of cemented and carbide phases of tungsten-cobalt solid alloys. V. I. Tumanov and others. *Zav. lab.* 29 no. 3:277-280 '63.

ELECTROCHEMISTRY

Operation of porous electrodes in diffusion supply of reagents [with summary in English]. I. G. Gurevich, V. S. Bagotskii. *Inzh.-fiz. zhur.* 6 no. 2:60-68 F '63.

ELECTRODES

Developing electrodes for the air-arc cutting of metals. V. M. Rybakov, P. S. Karpechenko. *Svar. protzv.* no. 2: 33-34 F '63.

Investigating alloys for the electrodes of resistance welding machines. S. K. Sitoberg. *Avtom. svar.* 16 no. 1: 30-35 Ja '63.

Mazel', A. G., and others. [Selection of electrodes for the welding of low-carbon steels] *Vybor elektrodov dlia svari malouglerodistykh stalo.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 18 p. (Poradovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Temn 12. No. M-58-02/6)

Operation of porous electrodes in diffusion supply of reagents [with summary in English]. I. G. Gurevich, V. S. Bagotskii. *Inzh.-fiz. zhur.* 6 no. 2:60-68 F '63.

Optimum length of the electrode nose for electric resistance spot welding. B. M. Nekrasov, S. O. Libo. *Avtom. svar.* 15 no. 12:73-76 D '62.

Rapid drying of heavily coated electrodes. A. M. Beinsh, I. K. Pokhontsa, V. P. Babenko. *Avtom. svar.* 16 no. 1: 87-89 Ja '63.

ELECTRODES, DROPPING MERCURY

Theory of irreversible processes taking place on a spherical electrode. E. Budevskii, G. Desimirov. *Dokl. AN SSSR* 149 no. 1:120-123 Mr '63.

ELECTRODES, GALLIUM

Hydrogen overvoltage on solid and liquid gallium in a sulfuric acid solution. K. Soko, I. A. Bagotskaya. *Dokl. AN SSSR* 149 no. 1:139-141 Mr '63.

ELECTRODES, PALLADIUM

Ionization of oxygen over palladium. IU. A. Mazitov, K. I. Rozental', V. I. Veselovskii. *Dokl. AN SSSR* 148 no. 1:152-155 Ja '63.

ELECTRODES, PLATINUM

Effect of cadmium ions on the adsorption of hydrogen on a palladium coated platinum electrode. D. V. Sokol'skii, M. A. Zakharina, G. D. Zakumabaeva. *Dokl. AN SSSR* 148 no. 3:630-632 Ja '63.

Electrolytic oxidation of formic acid and its salts on a rotating platinum electrode. IU. B. Vasil'ev, V. S. Bagotskii. *Dokl. AN SSSR* 148 no. 1:132-135 Ja '63.

ELECTRODYNAMICS

Kuznetsov, B. G. [Evolution of the fundamental concepts of electrodynamics] *Evolyutsia osnovnykh idei elektrodinamiki.* Moskva, Izd-vo Akad. nauk SSSR, 1963, 292 p.

ELECTROENCEPHALOGRAPHY

Changes in the EEG in motor dominance produced by a rhythmically subsiding stimulus. L. S. Grechushnikova. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:33-38 '62.

Changes in the electric activity of the brain of rheumatic patients who have suffered disorders of cerebral circulation [with summary in English]. V. A. Chukhrova, M. I. Konchakova. *Vop. revm.* 2 no. 3:40-48 Ji-S '62.

Changes in the electrical activity of the cerebral cortex in craniospasm. V. A. Kozirev. *Probl. sovr. neirokhir.* 4:136-146 '62.

Clinical electroencephalographic correlations in establishing a diagnosis of epilepsy. L. P. Vasil'eva. *Prak. sudobnopsikh. ekspert.* no. 4:65-72 '61.

Clinical use of electroencephalography in far advanced brain tumors. D. G. Zhuchenko. *Probl. sovr. neirokhir.* 4:117-130 '62.

Direct and transcommisural reactive potentials of the roof of the midbrain in frogs. IU. B. Mantefel'. *Dokl. AN SSSR* 148 no. 2:473-476 Ja '63.

Dvuzhil'naya, E. D. [Electroencephalography in clinical surgery] *Elektroencefalografia v khirurgicheskoi klinike.* Kiev [Gosmedizdat USSR] 1962, 148 p. (DNLM)

Effect of gamma-aminobutyric acid on the strychnine-induced potential of the cerebral cortex. A. S. Batuev, I. A. Sytinskii. *Dokl. AN SSSR* 147 no. 5:1242-1243 D '62.

Methods and devices for analyzing electroencephalographs. V. A. Prilutskii. *Izv. vys. ucheb. zav. priib.* 6 no. 1:150-160 '63.

Overcoming the difficulties in using EEG for the diagnosis of intracerebral tumors. A. A. Sokolova, T. O. Faller. *Probl. sovr. neirokhir.* 4:103-116 '62.

Significance of comparing clinical and encephalographic data in evaluating brain tumors of immature histological structure and malignant course. M. I. A. Motenala. *Probl. sovr. neirokhir.* 4:131-135 '62.

Some characteristics of the electroencephalogram of the cerebral cortex and subcortical formations in a rabbit in the state of increased excitability of the motor analyzer. M. A. Riabinina. *Trudy Inst. vys. nerv. Ser. fiziol.* 7:49-56 '62.

Study of the excitation focus of the "single tetanic contraction" type developed in the cerebral cortex. R. A. Pavlygina. *Trudy Inst. vys. nerv. deiat. Ser. fiziol.* 7:39-48 '62.

Treatment of schizophrenia patients by means of stelenazine: a clinico-electroencephalographic study [with summary in English]. O. P. Vertogradova and others. *Trudy Gos. nauch.-issl. inst. psikh.* 35:175-188 '62.

Treatment with andaxin of the reactive states in cerebral atherosclerosis patients: a clinico-electroencephalographic study [with summary in English]. P. M. Popov. *Trudy Gos. nauch.-issl. inst. psikh.* 35:275-287 '62.

ELECTROFORMING

Method of alloying deposited, type R18 metal by carbon and tungsten. V. M. Panovko. *Svar. protzv.* no. 2:11-14 F '63.

ELECTROLUMINESCENCE

Using electroluminescence in mimic flowsheets. V. P. Dergach, V. I. Aleksandrov, L. I. A. Zguravets. *Avtom. i prib.* no. 3:7-8 Ji-S '62.

ELECTROLYSIS

Reaction of free radicals during electrolysis of organic compounds. A. P. Tomilov, M. I. Fioashin. *Usp. khim.* 32 no. 1:60-92 Ja '63.

ELECTROLYTE SOLUTIONS

Motion of hydrated ions in solutions. A. M. Zeitseva, I. Z. Fisher. *Zhur. strukt. khim.* 4 no. 1:8-9 Ja-F '63.

Self-oscillation frequency in electrolytic systems. A. I. A. Gokhshtein. *Dokl. AN SSSR* 148 no. 1:136-139 Ja '63.

ELECTROLYTES

Automatic quality control of zinc electrolytes. M. A. Fishman, V. L. Klimentko, K. I. A. Nevedrov, TSvet. met. 36 no. 2:30-32 F '63.

Biochemical sources of electric current. V. Ershov. *Radio* no. 2:23 F '63.

Extractive purification of nickel solutions from iron and copper impurities. N. I. Gell'perin and others. *TSvet. met.* 36 no. 2:37-42 F '63.

Synthesis of hardening polyester acrylates in the presence of insoluble polyelectrolytes. E. B. Trostianskaya and others. *Plast. massy* no. 2:12-13 '63.

ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

ELECTROLYTIC REDUCTION see Reduction, Electrolytic

ELECTROMAGNETIC FIELDS

Electromagnetic shock waves in a nonlinear line with lumped parameters [with summary in English]. IU. K. Bogatyrev. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6: 1131-1143 '62.

ELECTROMAGNETIC PROSPECTING

(see also subdivision under Georgia)

Design of induction recording instruments for magnetotelluric studies. M. V. Kolmakov, I. A. Zelentsov. *Izv. AN SSSR, Ser. geofiz.* no. 10:1381-1396 O '62.

Quantitative interpretation of electric profiling material performed over three-dimensional bodies. G. E. Iakovlev, IU. A. Dikgof. *Izv. AN SSSR, Ser. geofiz.* no. 10: 1375-1380 O '62.

ELECTROMAGNETIC WAVES

Amplification of electromagnetic waves in a trench running perpendicular to the transmitting direction of the radio station. A. P. Sviridov. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 6 no. 6:111-118 '62.

Characteristics of a plane electronic gap in the presence of an external field of force [with summary in English]. S. B. Mochenev. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6: 1171-1174 '62.

Contribution to the solution of a problem concerning the propagation of electromagnetic impulse signals above plane uniform earth. V. V. Novikov. *Radiotekh. i elektron.* 8 no. 2:342-343 F '63.

Contribution to the theory of ribbon arrays with final period. V. V. Malin. *Radiotekh. i elektron.* 8 no. 2: 211-220 F '63.

Excitation of electromagnetic waves in a plasma where electrons have a directional velocity relative to ions. V. G. Makhan'kov. *Zhur. tekh. fiz.* 32 no. 12:1484-1486 D '62.

Excitation of hypersound by slow electromagnetic waves. E. M. Gampol'skii, A. N. Chernets. *Dokl. AN SSSR* 149 no. 1:72-75 Mr '63.

Fluctuation of an electromagnetic field in a nonequilibrium plasma [with summary in English]. L. S. Bogdankevich, A. A. Rukhadze, V. P. Silin. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6:1093-1103 '62.

Interaction of electrons with the field of a TEM standing wave at large transient angles [with summary in English]. B. G. Eremin, M. A. Miller. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6:1191-1199 '62.

A more accurate form of the averaged equation of motion of charged particles in the field of a standing electromagnetic wave [with summary in English]. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6:1160-1170 '62.

Properties of the front of electromagnetic waves. L. G. Iakovlev, A. Pardnev. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 6 no. 6:92-100 '62.

ELECTROMAGNETIC WAVES—SCATTERING

Method of group integrals in problems involving scattering. O. A. Germogenova. *Dokl. AN SSSR* 149 no. 1:76-79 Mr '63.

ELECTROMAGNETISM

Effect of electromagnetic forces on the removal of nonmagnetic inclusions in liquid iron. E. L. Dubinin, O. A. Esin, N. A. Vatoilin. *Fiz. met. i metalloved.* 14 no. 6:935-936 D '62.

ELECTROMAGNETS

Kalinkin, V. S., and G. O. Fetlor. [Electromagnets for electric cranes] *Pod'emnye elektromagnity.* Moskva, Metallurgizdat, 1962, 87 p.

ELECTROMECHANICAL ANALOGIES

Use of grid resistors in electric modeling of the solution to a system of differential equations describing heat and mass transfer [with summary in English]. L. A. Kozdoba. *Inzh.-fiz. zhur.* 6 no. 2:69-74 F '63.

ELECTROMETALLURGY

Balmakov, IU. V., and A. I. Zhurin. [Electrolysis in hydrometallurgy] *Elektroliz v gidrometallurgii.* Moskva, Metallurgizdat, 1963, 616 p.

Conditions of similarity and modeling of processes of arcless electric melting [with summary in English]. G. S. Nus, *Inzh.-fiz. zhur.* 6 no. 2:122-126 F '63.

ELECTROMOTIVE FORCE

Theory of irreversible processes taking place on a spherical electrode. E. Budevskii, G. Desimirov. *Dokl. AN SSSR* 149 no. 1:120-123 Mr '63.

Turbulent flow of a conducting liquid in tubes of square cross section under the action of electrodynamic ponderomotive forces. A. G. Riabinin, A. I. Khozhainov. *Zhur. tekh. fiz.* 33 no. 1:80-89 Ja '63.

ELECTROMYOGRAPHY

Electrical activity of the temporal muscles in brain tumors. N. N. Bragina. *Probl. sovr. neirokhir.* 4: 147-155 '62.

ELECTRON BEAMS

Coherent interaction between an electron beam and a plasma. I. F. Kharchenko. *Atom. energ.* 14 no. 3: 314-315 Mr '63.

Device for the automatic disconnection of the anode current of an electron gun during the development of an arc discharge. A. B. Koval'. *Avtom. svar.* 16 no. 1:84-86 Ja '63.

ELECTRON BEAMS (Continued)

Electron-beam welding of chromium. S.M. Gurevich, G.K. Kharchenko, I.A. B. Gurevich. *Avtom. svar.* 15 no. 12:56-59 D '62.

Interaction between an electron beam and a plasma in a magnetic field. Part 1: "Longitudinal" oscillations. E.A. Pashitskii. *Zhur. tekhn. fiz.* 33 no. 1:51-57 Ja '63.

Interaction between an electron beam and a plasma in a magnetic field. Part 2: "Transverse" oscillations. E.A. Pashitskii. *Zhur. tekhn. fiz.* 33 no. 1:58-64 Ja '63.

Interaction between pulsed heavy-current beams and a plasma in a magnetic field. A.K. Berezin and others. *Atom. energ.* 14 no. 3:249-256 Mr '63.

Nonlinear effects and parametric regeneration in wave interaction in wave guide systems with long electron streams. S.A. Akhmanov and others. *Zhur. tekhn. fiz.* 33 no. 1:90-99 Ja '63.

ELECTRON DIFFRACTION APPARATUS

Universal electronograph. *Inform. biul. VDNKH* no. 2:44 F '62.

ELECTRON DIFFRACTION EXAMINATION

Second All-Union Conference on Electronography. N.V. Alekseev. *Zhur. strukt. khim.* 4 no. 1:137-140 Ja-F '63.

ELECTRON GAS

On a possible method for converting thermal energy into electric energy. E.V. Teodorovich. *Zhur. tekhn. fiz.* 32 no. 12:1480-1492 D '62.

ELECTRON MICROSCOPY

Electrolytic isolation of the α -phase with control of the particle forms by electron microscope. I.S. Mel'nikova, N.E. Shlepanova. *Zav. lab.* 29 no. 3:286-288 '63.

Electron microscope study of the natural faces of zinc [in Georgian with summary in English]. G.I. Natsvishvili. *Trudy Inst. fiz. AN Gruz. SSR* 8:243-252 '62.

Electron microscopic investigations of the morphology of anaerobic bacteriophages. K.I.A. Bychkov. *Trudy VIEV* 28:56-61 '62.

Electron microscopy for the investigation of the microstructure of 08kp steel hardening from the rolling heat. G.V. Kvatskovskaya. *Metalloved. i term. obr. met.* no. 1:53-54 Ja '63.

Microbial cells of the coccal subgroup in the light of electron microscopic investigations. N.N. Isamov. *Trudy Uz. nauch.-issl. inst. vet.* 14:69-72 '61.

New scientific data on cellular structure. P.A. Genkel', I.N. Andreeva. *Biol. v shkole* no. 6:83-88 N-D '62.

ELECTRON OPTICS

Precision prismatic beta-spectrometer. Part 1. Electron-optical diagram and design. V.M. Kellman, B.P. Peregud, V.I. Skopina. *Zhur. tekhn. fiz.* 32 no. 12:1448-1464 D '62.

Solution to the inverse problem of electron optics using fields with a symmetry axis. [with summary in English]. E.P. Frankin. *Dop. AN URSSR* no. 12:1546-1549 '62.

ELECTRON-TUBE VOLTMETER

Automatic digital d.c. voltmeter. I.V. Butusov. *Avtom. i prib.* no. 3:48-61 Ji-S '62.

Basic parameters of electronic digital voltmeters with time-to-pulse conversion. B.I. Shvedskii. *Izvm. tekhn.* no. 1:45-47 Ja '63.

ELECTRON-TUBE VOLTMETER—TESTING

A portable device for testing electron-tube voltmeters. V.N. Kutiaev. *Avtom., telem. i svyaz'* 7 no. 1:24-26 Ja '63.

ELECTRON TUBES

Cherevychuk, I.U.K. [Use of cold-cathode logic tubes in computer technology] *Primenenie logicheskikh lamp s kholodnym katodom v diskretnoi tekhnike*. Moskva, Vychislitel'nyi tsentr AN SSSR, 1962, 73 p.

New method for measuring electron-tube transconductance. I.A. L. Tetelbaum. *Izv. vys. ucheb. zav. i prib.* 6 no. 1:3-10 '63.

Tarasov, F.I. [Frequency conversion tubes] *Chastotopreobrazovatel'nye lampy*. Moskva Gostenergizdat, 1962, 31 p. (Massovaya radiotekhnika, no. 456)

ELECTRON TUBES—TESTING

Device for measuring the filament voltage of high-voltage kenotrons. E. Sorvin, A. Shigin. *Radio* no. 2:39-40 F '63.

ELECTRONIC ANALOG COMPUTERS

The EMSS-7M specialized computer for calculating frames. G.E. Pukhov, V.V. Vasil'ev. *Avtom. i prib.* no. 3:79-80 Ji-S '62.

Lazarian, V.A. [Use of mathematical machines with continuous action in solving problems of the dynamics of railroad rolling stock] *Primenenie matematicheskikh mashin nepreryvnogo deystviia k resheniyu zadach dinamiki podvijnogo sostava zheleznnykh dorog*. Moskva, Transzheldorizdat, 1963, 217 p.

Parametric leakage compensation in RC integrators. I.U. A. Tarasov. *Izv. vys. ucheb. zav. i prib.* 6 no. 1: 58-68 '63.

Solving Volterra second-order integral equations by analog computers [with summary in English]. A.F. Verlan'. *Dop. AN URSSR* no. 12:1568-1570 '62.

Use of continuous mathematical machines for experimental determination of the parameters of dynamic elements. V.M. El'iasberg. *Izv. vys. ucheb. zav. i prib.* 6 no. 1:38-46 '63.

ELECTRONIC APPARATUS AND APPLIANCES

Have greater haste in building and placing into use new equipment. *Vest. svyazi* 23 no. 2:1-2 F '63.

"Radio and electronics in the production of precast reinforced concrete" by I.S. Vainshtok. *Na stroi. Ros.* 3 no. 2:39-40 F '62.

Reliability of some circuits for the lead-in of reserve devices. P.I. Popov, V.G. Terent'ev. *Avtom. i telem. i sbor. st.* no. 3:38-43 '62.

Smellinskii, M.I.A., and others. [Vacuum arc furnaces and electronic melting plants] *Dugovye vakuumnye pechi i elektronnye plavil'nye ustanovki*. Moskva, Metallurgizdat, 1962, 210 p.

ELECTRONIC APPARATUS AND APPLIANCES—

ABSTRACTS

[Electronics and its applications] *Ref. zhur. : Elek. i ee prim.* nos. 1-3 Ja-Mr '63.

ELECTRONIC CIRCUITS

Analysis and investigation of some square-law detector circuits. B.G. Kaduk, A.I. Gladskii. *Izm. tekhn.* no. 2: 38-42 F '63.

A new automatic transistor potentiometer for measuring the e.m.f. of thermocouples. B.I. Blazhkevich, V.G. Zubov. *Avtom. kont. i izm. tekhn.* no. 6:128-132 '62.

Simplification of pulse-potential forms [with summary in English]. V.G. Lazarev, E.I. Pailil'. *Avtom. i telem.* 24 no. 2:271-276 F '63.

Use of an electronic stabilizer in the capacity of an a.c. generator. V.L. Zmudikov. *Avtom. kont. i izm. tekhn.* no. 6:122-124 '62.

ELECTRONIC COMPUTERS

(see also subdivision under Great Britain)

Automatic digital computer for proportioning cupola charges. L.S. Panasuk. *Avtom. i prib.* no. 3:9-11 Ji-S '62.

Calculation methods in quantum chemistry. Part 2: Calculation of some two-centered molecular integrals on an electronic digital computer. I.U. A. Krugliak, D.R. Uitmen. *Zhur. strukt. khim.* 4 no. 1:91-97 Ja-F '63.

Calculation of the electron paramagnetic resonance spectra on an electronic computer. Part 2: Asymmetric lines. I.A. S. Lebedev. *Zhur. strukt. khim.* 4 no. 1:22-27 Ja-F '63.

Calculation of the mode of operation of a multiple short-circuited electrical network using the "Ural-1" computer. V.G. Kholmetskii, I.U. V. Shcherbina, V.D. Sezonova. *Energ. i elektrotekhn. prom.* no. 4:23-25 O-D '62.

Cherevychuk, I.U.K. [Use of cold-cathode logic tubes in computer technology] *Primenenie logicheskikh lamp s kholodnym katodom v diskretnoi tekhnike*. Moskva, Vychislitel'nyi tsentr AN SSSR, 1962, 73 p.

Cherikov, I.I.A., and A.P. Ovcharenko. [Basic phases in the development of computer technology; use of modern automatic digital computers] *Osnovnye etapy razvitiia vychislitel'noi tekhniki, primeneniye sovremennykh tsifrovyykh avtomaticheskikh mashin*. Sumy, Sumskii gos. pedagog. in-t im. A.S. Makarenko, 1962, 29 p.

[MICROFILM]

Computation system with a fractional base. V.G. Zubov. *Avtom. kont. i izm. tekhn.* no. 6:93-97 '62.

Computer automatically controlling the charging of a cupola. O.M. Kryzhanovskii, V.I. Vrublevskii, R.N. Zhurliyi. *Lit. proizv.* no. 7:19-20 Ji '62.

Computer center for the railroads of the Far East. V.I. Dmitrenko, A.G. Tikhonko, E.I. Iakovlev. *Zhel. dor. transp.* 45 no. 2:80 F '63.

Computers for the control of petroleum refining processes. R.S. Savitskaya, M.I. Shpunt. *Mekh. i avtom. proizv.* 17 no. 2:56-58 F '63.

Electronic computer for automatic measurement and processing of negative plates with the UIM-21 microscope. M.K. Abete, K.K. Lapushka. *Biul. sta. opt. nabi. iak. sput. Zem.* no. 29:7-12 '62.

Experience in using an electronic computer for calculating maps of isophases and isocapacities of sea tides [with summary in English]. I.U. N. Sergeev. *Vest. LGU* 17 no. 24:186-181 '62.

Method for the solution of boundary problems with continuous electronic computers. V.M. Ostapenko, O.A. Iushchenko. *Zbir. prats' z obchys. mat. i tekhn.* 1:86-84 '61.

Method of the approximation of variable coefficients for the solution of problems with the MPT-9 computers. N.P. Khazankina. *Zbir. prats' z obchys. mat. i tekhn.* 1:111-114 '61.

Model of a binary code coder using transistor diodes. D.M. Komskii. *Shkola i proizv.* 6 no. 5:68-60 S '62.

Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. [Mechanization and automation of information and accounting work in railroad sections] *Mekhanizatsia i avtomatizatsia informatsionno-uchetnoi raboty na otdeleniyakh zheleznnykh dorog*. Moskva, Vses. izdatel'sko-poligr. ob'edinenie M-va soobshchenia, 1962, 169 p. (*Iz. Trudy*, no. 240)

On a class of Turing machines. N.V. Bellakin. *Dokl. AN SSSR* 148 no. 1:47-49 Ja '63.

Practice in using the EV80-3 electronic calculating machine for processing statistical reports. G.V. Vlyadkin. *Vest. stat.* no. 1:71-72 '63.

Pulsed power supply to a great number of magnetic logical elements. V.T. Razumnyi, V.F. Lomakin. *Avtom. i prib.* no. 3:24-27 Ji-S '62.

Rappoport, M.G., and B.M. Drozdov. [EV 80-3 electronic computer] *Elektronnyi vychislitel' EV 80-3; ekspluatatsionnye svoystva i nekotorye primory primeneniia*. Moskva, Gosstatizdat, 1962, 164 p.

Use of electronic computers in automation and operation of thermal electric power plants. E.G. Pronin. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:88-91 '63.

Use of rapid computers for the development of forging procedures. R.A. Vaisburd, I.I.A. Tarasovskii, G.P. Teterin. *Kuz.-stann. proizv.* 5 no. 2:10-13 F '63.

What machine should be used for teaching students? D.A. Pospelov and others. *Vest. vys. shkoly* 21 no. 2: 25-29 F '63.

ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] *Ref. zhur. : Avtom., telem. i vych. tekhn.* nos. 1-3 Ja-Mr '63.

ELECTRONIC COMPUTERS—INPUT-OUTPUT EQUIP-

MENT

Miroshnikov, I.F. [Reading device using transistors and photodiodes] *Chitalushchee ustroystvo na fotodiodakh i kristallicheskikh triodakh*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1962, 46 p. (Pereodoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 40. No. P-58-20/1)

ELECTRONIC COMPUTERS—PROGRAMMING

Algorithm of the solution of a problem with the "Ural" computer according to a program established for the automatic "Kiev" computer. V.A. Mykhailov, V.M. Moskalenko. *Zbir. prats' z obchys. mat. i tekhn.* 1:61-67 '61.

Distribution of addresses for a vector system. N.I. Shilakhova. *Zbir. prats' z obchys. mat. i tekhn.* 1:78-82 '61.

Example of an address program for the calculation of a recursive function. K.M. Podkoizina. *Zbir. prats' z obchys. mat. i tekhn.* 1:83-85 '61.

Problems in the theory and practice of programming. V.S. Koroliuk, K.L. Iushchenko. *Zbir. prats' z obchys. mat. i tekhn.* 1:5-30 '61.

ELECTRONIC CONTROL

Automatic control of strip thickness on thin-sheet hot rolling mills. F.F. Olefir, N.G. Lyosenkov. *Avtom. i prib.* no. 3:72-78 Ji-S '62.

Automation of a crucible high-temperature vacuum electric furnace. V.N. Zarlov. *Avtom. i prib.* no. 3:83-84 Ji-S '62.

Electronic step-by-step optimizing control system. A.A. Bensonov. *Izv. vys. ucheb. zav. i prib.* 6 no. 1: 78-87 '63.

Kutashin, B.P. [Electronic and automatic control on ships] *Sudovaya elektronavtomatika*. Moskva, Izd-vo "Morskoi transport," 1962, 407 p.

Logical elements for automatic control systems. B.P. Petrukhin. *Priboirostroenie* no. 1:10-12 Ja '63.

Master device for program control. A.M. Iunchik. *Avtom. i prib.* no. 3:46-48 Ji-S '62.

Noncontact time relay for digital control systems. I.S. Eremeev. *Avtom. i prib.* no. 3:37-39 Ji-S '62.

Optimizing control of billet heating in a soaking pit. O.M. Kryzhanovskii, V.I.A. Soltyk, L.S. Panasuk. *Avtom. i prib.* no. 3:15-18 Ji-S '62.

Speed governor for centrifugal pumps. O.A. Raisov. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:41-43 '63.

The UKP-UEChM equipment for automatic control of cage hoists. V.N. Pailpenko, R.A. Khmel'nikh. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:10-11 '63.

Using noncontact elements in the automatic system of bunker charging. G.I. Shustov, E.M. Prasov. *Avtom. i prib.* no. 3:3-6 Ji-S '62.

ELECTRONIC DATA PROCESSING—CONGRESSES

Problems of information processing. A.A. Dorodnitsyn. *Vest. AN SSSR* 33 no. 2:85-87 F '63.

ELECTRONIC DIGITAL COMPUTERS

Arithmetic unit of a specialized digital computer equipped with ferrite-transistor cells. A.M. Kalunov. *Izv. vys. ucheb. zav. i prib.* 6 no. 1:67-77 '63.

Chugaev, I.U.G., and V.A. Plisko. [Electronic digital computers] *Elektronnye tsifrovye vychislitel'nye mashiny*. Moskva, Voenizdat, 1962, 405 p.

Cyclic-to-binary code converters. I.U. S. Pavlenko. *Avtom. i prib.* no. 3:34-36 Ji-S '62.

Glushkov, V.M. [Synthesis of digital computers] *Sintez tsifrovyykh avtomatov*. Moskva, Fizmatgiz, 1962, 476 p. (Matematicheskaya logika i osnovaniia matematiki)

ELECTRONIC DIGITAL COMPUTERS (Continued)

- Increasing the reliability of a standard flip-flop with junction transistors by means of a buffer stage. G. I. Kornilenko, N. N. Pavlov. *Avtom. i prib.* no. 3:27-31 Ji-S '62.
- Marking output device for electronic digital computers. A. M. Zinchenko. *Avtom. i prib.* no. 3:31-34 Ji-S '62.
- A method for converting a multiseries code into a single-series one. V. M. Khrapchenko. *Dokl. AN SSSR* 148 no. 2:296-299 Ja '63.
- A new method for adding and subtracting binary digits by high-speed digital computers [with summary in English]. V. V. Chavchavadze and others. *Trudy Inst. fiz. AN Gruz. SSR* 4:313-321 '62.
- Reproduction of absolute scales in multichannel digital measuring devices. I. A. Kupersmidt. *Izv. tekhn. no. 2:4-8 F* '63.

ELECTRONIC INDUSTRIES—QUALITY CONTROL

- Be persistent in eliminating shortcomings. *Radio* no. 3: 3-4 Mr '63.
- The record changers are of poor quality. V. Denisovich. *Radio* no. 3:4-6 Mr '63.

ELECTRONIC INSTRUMENTS

- Devices for automatic measurement of large diameters. V. A. Truten', F. A. Truten'. *Mekh. i avtom. protzv.* 17 no. 2:28-32 F '63.
- Electronic instruments. E. D. Bondarenko. *Avtom. i prib.* no. 3:60-63 Ji-S '62.
- Miniature secondary device with a ferrodynamic compensator. I. U. Erofeev. *Avtom. i prib.* no. 3:85-88 Ji-S '62.
- Using electrodynamic transducers in measuring minor aerodynamic forces. M. I. Akushin. *Izv. AN SSSR, Otd. tekhn. nauk. Mekh. i mashinostr.* no. 1:157-168 Ja-F '63.

ELECTRONIC MEASUREMENTS

- Automatic programmed measurement of petroleum yield. D. A. Naumov. *Mekh. i avtom. protzv.* 17 no. 2:21-24 F '63.
- Experimental study of fluctuation effects in establishing oscillations in an oscillator with two steady states [with summary in English]. S. A. Akhmanov, V. P. Komolov. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6:1175-1186 '62.
- Increase of the upper logarithmic limit of triode and pentode logarithmic counting devices. N. P. Volkov. *Avtom. i telemek. i sbor. at.* no. 3:60-69 '62.
- New method for measuring electron-tube transconductance. I. A. I. Tetelbaum. *Izv. vys. ucheb. zav. i prib.* 9 no. 1:3-10 '63.
- A stand for studying the transient operating conditions of a nuclear power system. I. U. Gribanov and others. *Avtom. i telemek. i sbor. at.* no. 3:15-16 '62.

ELECTRONIC MUSICAL INSTRUMENTS see Musical Instruments, Electronic

ELECTRONIC PULSE TECHNIQUES see Pulse Techniques (Electronics)

ELECTRONIC TRANSLATING see Machine Translating

ELECTRONICS

- Analytical design of systems for the reproduction of a useful signal in the presence of noise [with summary in English]. A. G. Zaitsev. *Avtom. i telemek.* 24 no. 2: 143-150 F '63.
- Blockman, I. S. [Radio electronics in the past and present] *Radioelektronika nastoiashchego i budushchego*. Minsk, 1962. 31 p. (Obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy Belorusskoi SSR, no. 25)
- Mintz, A. L. [Radio electronics] *Radioelektronika; Kratkaya istoriya i dostizheniya*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 84 p. (Akademiya nauk SSSR, Nauchno-populiarnaya seriya)
- Simplified method for analytical construction of root trajectories [with summary in English]. G. A. Bendrikov, K. F. Teodorovich. *Avtom. i telemek.* 24 no. 2:268-270 F '63.
- Sokolov, A. A. [Fundamentals of electronics] *Osnovy elektroniki*. Moskva, Proftekhizdat, 1962. 105 p.
- Transformation of phase shifts during frequency conversions. R. I. A. Berkman, M. A. Rakov. *Radiotekhnika* 18 no. 1:78-79 Ja '63.

ELECTRONICS—ABSTRACTS

- [Electronics and its applications] *Raf. zhur.* : Elek. i ee prim. nos. 1-3 Ja-Mr '63.

ELECTRONICS IN AGRICULTURE

- Electronics in animal husbandry. *Radio* no. 3:21-23 Mr '63.

ELECTRONICS IN NAVIGATION

- Principles of introducing automatic control of ship sailing on a given program. A. I. Radionov. *Inform. sbor. TSNIIMF* no. 66. Sudovozh. i sviaz' no. 17:16-26 '61.

ELECTRONICS IN NAVIGATION—CONGRESSES

- Radio electronics in the river fleet. *Inform. sbor. TSNIIMF* no. 66. Sudovozh. i sviaz' no. 17:46-47 '61.

ELECTRONOGRAPHY see Electron diffraction apparatus

ELECTRONOGRAPHY see Electron diffraction examination

ELECTRONS

- Character of interatomic interactions and the state of internal iron atom electrons in silicides. S. A. Nemunov, K. M. Kolobova. *Fiz. met. i metalloved.* 14 no. 6:874-878 D '62.
- Electrons in metals: a short guide to the Fermi surface. Part 3: Dynamics of Bloch electrons and the calculation of the band structure [translated from the English]. J. M. Ziman. *Usp. fiz. nauk* 79 no. 2:319-332 F '63.
- Energy losses of a charged particle in a dielectric slab [with summary in English]. V. E. Pafomov. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6:1072-1077 '62.
- Excitation of electromagnetic waves in a plasma where electrons have a directional velocity relative to ions. V. G. Makhan'kov. *Zhur. tekhn. fiz.* 32 no. 12:1484-1486 D '62.
- Interaction of electrons with the field of a TEM standing wave at large transient angles [with summary in English]. B. G. Eremin, M. A. Miller. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6:1151-1159 '62.
- Ion compensation of a space charge of relativistic electron streams. V. P. Ignatenko. *Zhur. tekhn. fiz.* 32 no. 12:1428-1432 D '62.
- Kinetics of the motion of electrons in solid bodies excited by soft X rays. N. N. Flants, U. A. Arifov, A. Kh. Ali-khanov. *Radiotekhnika i elektron.* 8 no. 2:303-310 F '63.
- On the theory of the double Compton effect of an electron. N. F. Nelipa. *Dokl. AN SSSR* 149 no. 2:311-313 Ja '63.
- Problem of polarization characteristics of electrons from the μ^+ -meson decay. B. K. Kerimov and others. *Vest. Mosk. un. Ser. 3. Fiz., astron.* 17 no. 2:29-35 Mr-Apr '62.
- Problem of the motion of a relativistic electron in a magnetic field moving with a phase velocity greater than the velocity of light. I. U. P. Rybakov. *Vest. Mosk. un. Ser. 3. Fiz., astron.* 17 no. 2:3-10 Mr-Apr '62.
- Radiation of an electron moving along a spiral in a magnetoactive plasma. Part 2: V. I. Pakhomov, K. N. Stepanov. *Zhur. tekhn. fiz.* 33 no. 1:43-50 Ja '63.
- Two energy states of valence electrons in cadmium sulfide. A. V. Ivanov. *Izv. AN SSSR, Ser. fiz.* 27 no. 3:359-361 Mr '63.

ELECTRONS—SPECTRA

- Accuracy of a method for studying the energy spectra of impulse-emitted thermoelectrons. V. N. Lutsik. *Radiotekhnika i elektron.* 8 no. 2:262-268 F '63.
- Change in the electron spectra of oxyhemoglobin solutions irradiated in vivo and in vitro. I. V. Vysochina. *Radiofizika* 3 no. 1:147-149 '63.

ELECTROPHORESIS

- Electrophoresis of humus substances and their complexes with copper [with summary in English]. F. Pospishil. *Pochvovedenie* no. 12:44-52 D '62.
- Electrophoretic analysis of proteins of the cerebrospinal fluid and blood serum in tumors and inflammatory diseases of the brain. T. N. Lobkova. *Probl. sovr. neirofizi.* 4:76-84 '62.

ELECTROPHYSIOLOGY

- Adjustment of solitary nerve and muscle fibers to a linearly rising current. N. N. Nikol'skii, S. I. Vasilin, S. A. Vereninova. *Fiziol. zhur.* 48 no. 12:1597-1610 D '62.
- Age-related changes in the membrane potential of striated muscle fibers. A. I. Novikova. *Fiziol. zhur.* 48 no. 12: 1604-1608 D '62.
- Agonal type respiration as reflected by electrograms of medulla oblongata and the respiratory muscles. A. M. Gurvich. *Dokl. AN SSSR* 148 no. 3:716-719 Ja '63.
- Change in the level of the constant potential of the cerebral cortex surface in response to the use of different afferent stimuli. T. B. Shveta. *Trudy Inst. vys. nary, deiat. Ser. fiziol.* 7:69-77 '62.
- Complex installation for neurophysiological studies. R. M. Meshcherskii, L. S. Sedlovich. *Trudy Inst. vys. nary, deiat. Ser. fiziol.* 7:306-310 '62.
- Correlations of bioelectrical potentials of internal organs and some factors of humoral natural immunity in dogs [with summary in English]. N. V. Vasil'ev, L. G. Trofimov. *Trudy TomNIIVS* 11:181-185 '60.
- D. c. and a. c. preamplifier for electrophysiological studies. L. S. Sedlovich, R. M. Meshcherskii. *Trudy Inst. vys. nary, deiat. Ser. fiziol.* 7:300-305 '62.
- Effect of d. c. on protective inhibition. N. P. Movchan. *Dokl. AN SSSR* 149 no. 1:213-216 Mr '63.
- Effect of electric stimulation of the hippocampus on conditioned reflexes following the administration of aminazine. N. A. Tushmalova. *Trudy Inst. vys. nary, deiat. Ser. fiziol.* 7:265-270 '62.
- Effect of electrical stimulation of the anterior section of the hypothalamus on the food-obtaining conditioned reflexes in a rabbit. T. G. Beteleva. *Trudy Inst. vys. nary, deiat. Ser. fiziol.* 7:257-264 '62.
- Effect of formalin, monodoacetate and potassium cyanide on the physical electrotoneus of the smooth muscle. M. F. Shuba. *Fiziol. zhur.* 48 no. 12:1511-1516 D '62.

- Electrophysiological study of cortical reactions during neurosurgical interventions in the caudal regions of the human brain stem. V. E. Maiforchik, L. A. Koreisha, G. A. Gabibov. *Probl. sovr. neirofizi.* 4:95-102 '62.

- Method for implanting multiple electrodes for the purpose of leading off electrical potentials from different points of the auditory cortical zone in a chronic experiment. Lian Chzhi-an' (Liang Chih-An), I. I. Kachuro, N. V. Zaboeva. *Fiziol. zhur.* 48 no. 12:1517-1520 D '62.

- Optimum frequencies for afferent stimulation of the intermediate neurons of the spine. G. A. Vartanian, N. N. Vasilievskii. *Dokl. AN SSSR* 149 no. 1:210-212 Mr '63.

- Relation between the variations of the cortical bioelectrical mosaic and its original state in the formation of a conditioned reflex. N. A. Gavrilova. *Trudy Inst. vys. nary, deiat. Ser. fiziol.* 7:22-32 '62.

- Response of vascular and tissue receptors of an extremity to the toxin of a septic vibrio; an electrophysiological analysis. S. V. Magneva. *Dokl. AN SSSR* 148 no. 3: 720-723 Ja '63.

- Role of the reticular formation of the midbrain and the thalamus in the formation of motor dominance. P. I. Kalinin, L. I. Khan'-Shen' [Liu Han-Shen]. *Trudy Inst. vys. nary, deiat. Ser. fiziol.* 7:57-68 '62.

ELECTROPLATING

- Iakovlev, N. F. [Soldering, tinning, and electrolytic coating] *Polka, luzhenie i gal'vanicheskie pokrytiya*. Pod red. A. M. Dmitrovich; Minsk, Gos. izd-vo BSSR, Red. proizvodstvennoi lit-ry, 1962. 146 p. (Biblioteka slusaria, no. 3)

- Mechanization and automation of electroplating processes. R. Z. Kadanov. *Mekh. i avtom. protzv.* 17 no. 1: 7-10 Ja '63.

- Osulov, I. B., and B. M. Shubin. [Electroplating] *Gal'vanicheskie pokrytiya*. Moskva, Mashgiz, 1962. 176 p.

- Unit for electrodeposition of metals on internal surfaces of hollow cylindrical bodies. V. O. Kiselevich, M. D. Zholudev. *Mashinostroenie* no. 6:84 N-D '62.

ELECTROSTATICS

- Electrostatic powder defectoscopy. K. I. Kornishin. *Zav. lab.* 29 no. 1:48-51 '63.
- Semiconductor neutralization of static electricity. V. M. Orlov, N. I. Kaminsk. *Poligr. protzv.* no. 11:17-18 N '62.

ELECTROTHERAPEUTICS

- Electrostimulation of the diaphragmatic nerves in apnoea [with summary in English]. R. S. Svidler, S. A. Geshelin. *Vest. khir.* 89 no. 11:75-80 N '62.

- Galvanization of median nerves in a peptic ulcer. R. B. Tverskoi, E. M. Rybachenko. *Vrach. delo* no. 11:131-132 N '62.

ELEKTROSTAL'—TRANSPORTATION, AUTOMOTIVE

- Automotive transportation unit of communist labor. V. Kotliarenko, N. Iudina. *Avt. transp.* 41 no. 2:6-8 F '63.

ELEMENTARY EDUCATION see Education, Elementary

- ELENEVSKII, SERGEI SEMENOVICH, 1981—Professor S. S. Elenevskii's 80th birthday. A. A. Kochnev. *Zhivotnovodstvo* 23 no. 6:83 Je '61.

ELEVATORS—EQUIPMENT AND SUPPLIES

- Elevator car stop piece. I. Andrianov. *Zhii. -kom. khoz.* 12 no. 10:11 O '62.

ELLIPSOID

- Class of compacts in Hilbert space. V. N. Sudakov. *Usp. mat. nauk* 18 no. 1:181-187 Ja-F '63.
- Conformal representation of an ellipsoid on a sphere. V. P. Morozov. *Izv. vys. ucheb. zav. geod. i aerof.* no. 4:3-18 '62.
- Superconducting ellipsoid in a magnetic field. G. F. Zharkov, Siul Lun-dao [Hsu Lung-tao]. *Fiz. met. i metalloved.* 15:12-17 Ja '63.

ELM see subdivision under Batum

EMBOLISM

- (see also subdivision under Kiev)

- Clinical aspects of embolism and thrombosis of the mesenteric arteries [with summary in English]. A. N. Shabanov, O. S. Nikonova. *Sov. med.* 26 no. 12:9-12 D '62.
- Frequency of thromboembolic complications according to data from pathoanatomical autopsies [with summary in English]. N. E. Dudko, V. D. Bezverkhii. *Sov. med.* 26 no. 12:3-8 D '62.

EMBROIDERY—PATTERNS

- To embroider or not to embroider? T. Topilina. *Sov. profsoyuzy* 19 no. 2:32 Ja '63.

EMBROIDERY, DUNGAN

- Dungan embroidery. L. Shinko. *Izv. AN Kir. SSR, Ser. obshchestv. nauk* 2 no. 2:111-117 '60.

EMBRYOLOGY—BIRDS

Electron microscope study of a nerve rudiment and its early stages of development. E. Kh. Primak. Dokl. AN SSSR 148 no. 2:477-480 Ja '63.

On the existence of a basal membrane between the optic vesicle and the lensforming ectoderm in birds. G. S. Kvinikhidze. Dokl. AN SSSR 148 no. 3:731-732 Ja '63.

EMBRYOLOGY—FISHES

Experimental foundation of methods for accelerating the embryonal development in salmon and their importance to the biotechnics of salmon raising [with summary in English]. M. P. Verndub. Vest. LGU 18 no. 3:7-22 '63.

Possibility of obtaining diploid gynogenesis in sturgeons by radiation. D. D. Romashov and others. Radiobiologia 3 no. 1:104-110 '63.

EMBRYOLOGY—MAMMALS

Ultraviolet fluorescence from liver cells in white rats during their embryonic development. E. M. Piliashchik, M. V. Nikolaeva. Dokl. AN SSSR 148 no. 1:199-201 Ja '63.

Veins of the visceral portion of the head in a whale embryo. E. M. Kievskaya. Sbor. nauch. trud. Vin. der. med. inst. no. 2:12-22 '63.

EMBRYOLOGY, HUMAN

Heterochronous development of functionally different striated muscles in the embryogenesis of man. A. A. Klishov. Dokl. AN SSSR 147 no. 5:1238-1241 D '62.

EMOTIONS

Erroneous diagnosis of pathological affect. O. E. Freierov. Prak. sudebnopsikh. ekspert. no. 4:17-24 '61.

Rare case of a disorder of desires. B. A. Tselibeev. Prak. sudebnopsikh. ekspert. no. 4:38-42 '61.

EMPHYSEMA

Labor complicated by subcutaneous emphysema. E. N. Anfinogenova, A. K. Poplavskii. Sov. med. 28 no. 12: 68-69 D '62.

EMPLOYEE INCENTIVES see Incentives in industry

EMPLOYEE RECREATION see Industrial recreation

EMPLOYEE VACATIONS see Vacations, Employee

EMPLOYEES, DISMISSAL OF

(see also subdivision under Dnepropetrovsk Province)
Letters from the editor. Sov. profsoiuzy 19 no. 4:30-31 F '63.

Nikiforov, V. N., and T. V. Petrova. [Discharge of workers at their request] Uvolnenie po sobstvennomu zhelaniyu. Moskva, Gosizdat, 1962. 80 p. IUriddicheskie konsultatsii dlia naseleniia v voprosakh i otvetakh

EMPLOYEES, IDENTIFICATION OF see Passports

EMPLOYEES, RESIGNATION OF

(see also subdivision under Orel)

"I ask to be released..." E. Milekman. Sov. profsoiuzy 19 no. 5:116 Mr '63.

EMPLOYEES, TRAINING OF

Troshin, A. F. [Legal status of those workers and employees who are studying while working] Pravoovoe polozenie rabochikh i sluzhashchikh, obuchaiushchikhsia bez otryya ot proizvodstva. Moskva, Gosizdat, 1962. 107 p.

EMPLOYERS' LIABILITY

Answering our readers' questions. Sov. iust. no. 2:31 Ja '63.

Liability for work injuries. A. Kaftanovskaya. Sots. trud 7 no. 6:121-126 Je '62.

Liability for work injuries. K. Shkalenkova. Rad. pravo no. 1:111-113 Ja-F '63.

EMULSIONS

Use of water-oil emulsions in the Tiraspol Bakery Combine. M. N. Demin and others. Khleb i kond. prom. 7 no. 1:29-30 Ja '63.

EMULSIONS, PHOTOGRAPHIC see Photographic emulsions

ENAMELED WARE see subdivision under Moscow; Saratov

ENBEKSHI-KAZAKH DISTRICT—AGRICULTURAL ADMINISTRATION

New party committees began to work. N. V. Bannikov, B. Sher'izdanov. Part. zhizn' Kazakh. 33 no. 2:28-33 F '63.

ENBEKSHI-KAZAKH DISTRICT—BOOKSELLERS AND BOOKSELLING

Community participation in the book trade. T. Il'ina. Koop. Kazakh. 5 no. 10:27-29 O '62.

ENCEPHALITIS

(see also subdivision under Tomsk Province)

Changes in the organs of horses used for the production of serum against tick-borne encephalitis [with summary in English]. A. M. Khlopov and others. Trudy TomNIIVS 11:311-318 '60.

Control of spring and summer tick-borne encephalitis in the Gornyy Altai. V. M. Liubushkina. Trudy TomNIIVS 11:62-65 '60.

Data on the preparation of antiencephalitis serum [with summary in English]. E. N. Rodnikova. Trudy TomNIIVS 11:232-237 '60.

Foci of tick-borne encephalitis in Western Siberia and problems in their sanitation [with summary in English]. S. P. Karpov, V. M. Popov, A. G. Kolmakova. Trudy TomNIIVS 11:7-13 '60.

Materials on the characteristics of the Guryevsk focus of tick-borne encephalitis [with summary in English]. A. R. Iav'ia, N. I. Igolkin, IU. V. Fedorov. Trudy TomNIIVS 11:52-61 '60.

Pathology of the cerebrospinal fluid system in tumors and inflammatory diseases of the brain. S. I. Kuznetsova. Probl. sovr. neirokhir. 4:21-24 '62.

Preparation of embryonal vaccine against spring and summer tick-borne encephalitis [with summary in English]. L. D. Ovechinskaya, N. I. Ponomarenko, N. A. Sonchik. Trudy TomNIIVS 11:250-254 '60.

Reactivity of the preparations against spring and summer tick-borne encephalitis [with summary in English]. B. G. Trukhmanov, L. A. Egorshina, N. F. Zeitina. Trudy TomNIIVS 11:255-260 '60.

Specific properties of cerebral diagnosticum precipitated in methyl alcohol in tick-borne encephalitis [with summary in English]. M. K. Tiushniakova and others. Trudy TomNIIVS 11:66-71 '60.

Using encephalitis vaccine as an antigen in the production of an antiencephalitis serum [with summary in English]. B. G. Trukhmanov, E. N. Rodnikova. Trudy TomNIIVS 11:238-242 '60.

ENCEPHALITIS VIRUSES see subdivision under Tomsk Province

ENCEPHALOGRAPHY

Pneumoencephalography without escape of the cerebrospinal fluid in the diagnosis of brain tumors. N. P. Tsydzik. Probl. sovr. neirokhir. 4:177-184 '62.

ENCYCLOPEDIAS AND DICTIONARIES, UKRAINIAN

[Soviet Ukrainian encyclopedia] Ukrain's'ka Radians'ka entsyklopediia. Holovna red. kolehiia: M. P. Bazhan ta inshi. Kyiv, Akad. URSS. Vol. 10. Nakhodka - Patriarkhat. [1962] 576 p.

ENDERBY LAND—RUSSIAN EXPLORATION

Research in Enderby Land. E. S. Korotkevich, V. G. Ledenev. Inform. biul. Sov. antark. eksp. no. 33:5-9 '62.

ENDOCARDITIS

Bacteriology in endocarditis [in Georgian with summary in Russian]. N. M. Kilosandze. Trudy Tbil. GIDUV 6:363-368 '62.

Clinical and anatomical analysis of a cerebral circulation disorder in endocarditis [in Georgian with summary in Russian]. M. I. Shats-Mehvelidze. Trudy Tbil. GIDUV 6:227-230 '62.

Clinical aspects of brucellosis endocarditis [with summary in English]. V. N. Leiman. Vrach, delo no. 1:96-97 Ja '63.

ENDOLYMPHATIC HYDROPS see Meniere's disease

ENDOMETRIUM—CANCER

Pathogenesis of cancer of the endometrium. T. P. Kolchinn, M. IA. Shityren. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:307-319 '61.

ENEMA

Five years experience with the use of an obturator-adaptor. E. M. Ginzburg. Vrach, delo no. 1:148-149 Ja '63.

ENGELS, FRIEDRICH, 1820-1895—MUSEUMS, RELICS, ETC.

Immortal images. R. S. Goreslik. Prep. ist. v shkole 18 no. 1:95-101 Ja-F '63.

ENGINEERING—STUDY AND TEACHING

Engineers must have a perfect knowledge of mathematical apparatus. B. O. Solonouts. Vest. vys. shkoly 21 no. 1:27-33 Ja '63.

Everyone should be employed as an engineer technologist. D. P. Semchenko. Vest. vys. shkoly 21 no. 2:13-15 F '63.

Industrial bases are one of the main problems. V. A. Samokhvalov. Vest. vys. shkoly 21 no. 2:10-13 F '63.

ENGINEERING GEOLOGY

(see also subdivision under Uzbekistan)

The problem of taking samples of soil without destroying its structure by a vibration method. G. D. Gildenblat, M. G. Efremov, B. M. Rebrlik. Osn., fund. i mekh. grun. 4 no. 1:10-12 '62.

Sedenko, M. V. [Hydrogeology and engineering geology] Gidrogeologiya i inzhenernaia geologiya. Moskva, Gosgeotekhnizdat, 1962. 356 p.

Shneider, Sh. M. [Manual for geological engineers on linear studies] Spravochnik inzhenera-geologa lineinykh izyskani. Leningrad, Gostoptekhnizdat, 1962. 284 p.

ENGINEERING LABORATORIES

Kolesnichenko, V. V., and P. V. Erofeev. [Laboratory and practical work on the fundamentals of repairing and the study of materials] Laboratorno-prakticheskie zaniatia po osnovam materialovedeniia i remontnogo dela. Pod red. I. S. Levitskogo. Moskva, Profizhizdat, 1962. 158 p.

ENGINEERING MODELS

(see also subdivision under Bergamo, Italy)

Efficient practice of preparing students for life. N. N. Kurylev. Shkola i proizv. 6 no. 8:56-59 Ag '62.

Mechanical similitudes of solid bodies and their use in studying construction designs and the seismic resistivity of structures. A. G. Nazarov. Izv. AN Arm. SSR, Ser. tekhn. nauk 15 no. 6:3-12 '62.

ENGINEERING STANDARDS see Standards, Engineering

ENGINES

Creators of hydraulic and steam engines. P. I. Pluksh. Shkola i proizv. 7 no. 1:50-56 Ja '63.

ENGINES—CORROSION

Increasing the cavitation-erosion and corrosion resistance of engine parts. D. M. Likhoshershtov, IU. S. Chervinkov. Metalloved. i term. obr. met. no. 1:19-21 Ja '63.

ENGLISH BEAN see Broad bean

ENGLISH FICTION—HISTORY AND CRITICISM

Ivashova, V. V. [English novel of the postwar decade, 1950-1960. Moskva, Sovetskii pisatel', 1962. 413 p. (CU)

ENGLISH LANGUAGE—DICTIONARIES

Principles of word selection for an explanatory dictionary of a modern literary language; based on Webster's Unabridged Dictionary of the English language [with summary in English]. L. P. Stupin. Vest. LGU 18 no. 2:123-132 '63.

ENGLISH LANGUAGE—DICTIONARIES—RUSSIAN

Volodin, N. V., comp. [English-Russian military engineering dictionary; some 33,000 words] Anglorusskii voenno-inzhenernyi slovar'. Okolo 33,000 terminov. Moskva, Voenizdat, 1962. 783 p.

ENGLISH LANGUAGE—GRAMMAR

Pumplanskii, A. L. [Reading and translating English scientific and technical literature; phonetics, grammar, vocabulary] Chtenie i porovod angliiskoi nauchnoi i tekhnicheskoi literatury; fonetika, grammatika, leksika. Moskva, Izd-vo Akad. nauk SSSR, 1962. 447 p.

ENGLISH LANGUAGE—TECHNICAL ENGLISH

Pumplanskii, A. L. [Reading and translating English scientific and technical literature; phonetics, grammar, vocabulary] Chtenie i porovod angliiskoi nauchnoi i tekhnicheskoi literatury; fonetika, grammatika, leksika. Moskva, Izd-vo Akad. nauk SSSR, 1962. 447 p.

ENGLISH LANGUAGE—WORD FREQUENCY

Some attempts to make Zipf's formula of probability more precise. D. M. Segal. Mash. perov. i prikl. ling. no. 5:51-55 '61.

ENGLISH POETRY—HISTORY AND CRITICISM

Discussions on English poetry; survey made by "London magazine." V. Rubin. Vop. lit. 6 no. 12:159-162 D '62.

ENGRAVING MACHINES

Engraving machine with a pantograph. V. A. Kupchenko. Mashinostroenie no. 6:106-108 N-D '62.

ENGRAVINGS

Soviet prints. M. Matorin. Rabotnitsa 40 no. 3:24 Mr '62.

ENGRAVINGS, UKRAINIAN

Turchenko, IU. IA. [Soviet Ukrainian engraving] Ukrain's'kyi radians'kyi estamp. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 34 p. (Vcheni URSS - universytetnyi knyhtury)

ENGURE LAKE REGION—BIRDS

Spuris, Z., and V. Smits. [Bird reserve] Putru rezervats. Riga, Latvijas Valsts izdevnieciba, 1962. 157 p. illus. [Parallel texts in Latvian and Russian]

ENSEMBLES (MUSIC) see subdivision under Ukraine; Zales'e (Smorgon District)

ENSEMBLES (MUSIC), MONGOLIAN see subdivision under Moscow

ENSEMBLES (MUSIC), UKRAINIAN see subdivision under Kiev; Novograd-Volynskiy District

ENSLILAGE

Chopping grass for ensilaging. N. V. Kolesnikov. Zhivotnovodstvo 23 no. 6:73-76 Je '61.

Ensilaging corn with the addition of urea. V. Mokhnatkina. Zhivotnovodstvo 23 no. 6:76-77 Je '61.

Ensilaging of fish waste and substandard fish. Isal Georgiev, Nikola Kirov. Zhivotnovodstvo 23 no. 5:95-98 My '61.

ENSILAGE (Continued)

Preparing and using special ensilages for meat-type swine, R. J. Ahven. *Zhivotnovodstvo* 23 no. 7:50-53 J1 '61.

Preservation of shelled forage corn, N. N. Tret'nikov, S. M. Savchenko. *Zhivotnovodstvo* 23 no. 8:52-53 Ag '61.

Surface silage of feeds, G. M. Tomilov. *Zhivotnovodstvo* 23 no. 7:46-50 J1 '61.

Using a dry biological preparation in corn ensilage, V. P. Rozhchin. *Zhivotnovodstvo* 23 no. 8:50-51 Ag '61.

ENTOMOLOGICAL RESEARCH

Method of catching insects with nets as a means for censusing the species of small grass insects, V. F. Palli. *Sbor. ent. rab.* no. 1:55-61 '62.

ENTOMOLOGICAL SOCIETIES see subdivision under Kirghizistan

ENTROPY

Entropy terms as an expression of the uncertainty principle, D. A. Bocharov, I. V. Stankevich, A. L. Chistakov. *Dokl. AN SSSR* 140 no. 1:68-71 Mr '63.

ENUGU, NIGERIA—DESCRIPTION

In Enugu, E. Baskakova. *Nov. vrem.* 20 no. 10:26-28 Mr '63.

ENVIRONMENT see Adaptation (Biology)

ENZYMES

Interaction of peptides with some preparations of "pH 5-enzymes," V. V. Mosolov, I. V. Skarlat, P. V. Afanas'ov. *Dokl. AN SSSR* 140 no. 3:708-711 Ja '63.

International Congress of Biochemistry, 5th, Moscow, 1961. [Molecular mechanism of enzyme action and inhibition; symposium IV] *Molekulyarnye osnovy deystviya i tormozheniya fermentov; simpozium IV.* Moskva, Izd-vo Akad. nauk SSSR, 1962. 301 p. (Iss: Trudy)

EOSINOPHILES

Eosinophilic type leukemoid reaction in a rheumatic female patient following treatment with sonaril [with summary in English], V. B. Usman. *Vop. revm.* 2 no. 3: 82-84 J1-S '62.

EPENDYMA—TUMORS

Ependymomas of the fourth ventricle growing into the lateral cisterna pontis, V. L. Volkova-Pavlova. *Probl. sovr. neirokhir.* 4:223-229 '62.

EPIC POETRY, KARELIAN

Karelian tales and narrations of the byliny on Il'ia Muromets, V. I. A. Evseev. *Trudy Kar. fil. AN SSSR* no. 35:107-115 '62.

EPIC POETRY, KAZAKH

Lexical and grammatical characteristics of the language of the epic "Kozy Korpesh - Baiman Sulu," B. Zhuhonov. *Izv. AN Kazakh. SSR, Ser. Filol.* 1 isk. no. 3:90-98 '62.

EPILEPSY

Clinical electroencephalographic correlations in establishing a diagnosis of epilepsy, L. P. Vasil'eva. *Prak. sudebnopsikh. ekspert.* no. 4:65-72 '61.

Epileptic seizures in tumors of the motor areas, N. N. Bragina. *Probl. sovr. neirokhir.* 4:169-176 '62.

Some differential diagnostic difficulties in isolating schizophrasia from epilepsy, G. N. Murav'eva. *Prak. sudebnopsikh. ekspert.* no. 6:22-29 '62.

EPILEPTICS—CARE AND TREATMENT

Bromine metabolism in epilepsia [with summary in English], S. D. Rasin. *Vrach. delo* no. 11:81-84 N '62.

EPIPHYTES

Microflora of plants and soils, T. A. Vasil'eva. *Izv. AN Mold. SSR* no. 7:14-19 '62.

EPOXY COMPOUNDS

Preparation and reactions of 1-chloro-1,2-epoxides. Report No. 4: Synthesis of some thiazole and imidazole compounds, A. A. Durgarian. *Izv. AN Arm. SSR, Khim. nauki* 15 no. 5:481-487 '62.

Preparation and reactions of 1-chloro-1,2-epoxides. Report No. 5: Synthesis of α -thiocyano- and α -amino ketones, A. A. Durgarian. *Izv. AN Arm. SSR, Khim. nauki* 15 no. 6:535-539 '62.

Synthesis of N,N-bis(2-chloroethyl)amino derivatives from 1-(6-nitro)phenoxy-2,3-epoxypropane, I. I. Chishevskaya, L. I. Samuilenko, L. I. Capanovich. *Zhur. ob. khim.* 33 no. 2:657-660 F '63.

EPOXY RESINS

Application of epoxide paint and varnish materials for anticorrosive protection of equipment, G. P. Kucherovskaya, V. V. Titova, D. Z. Bobrova. *Khim. volok.* no. 1: 76-71 '63.

Cis-3,6-endomethylene-1,2,3,6-tetrahydrophthalic anhydride as a hardener of epoxide resins, I. L. Parbuzina, N. N. Sokolov. *Plast. massy* no. 2:69-71 '63.

Repairing cylinder blocks by the use of epoxy resins, V. H. Aver'ianov. *Mekh. sil. hosp.* 13 no. 12:11-12 D '62.

Use of epoxide resins in laying gas pipelines in houses, V. V. Kamnev. *Plast. massy* no. 1:46-48 '63.

Use of plastic dies, S. I. Efremov. *Kuz.-stam. proizv.* 5 no. 1:43-44 Ja '63.

EPOXY RESINS—PHYSIOLOGICAL EFFECT

Experimental study of the sensitizing properties of epoxy resin hardeners, L. P. Tsiurkunov. *Vrach. delo* no. 1:104-107 Ja '63.

EQUATIONS, INTEGRAL see Integral equations

EQUATIONS, LINEAR see Linear equations

EQUILIBRIUM

Equilibrium of an imperfect thread on a flat curve, V. S. Zhivov. *Izv. vyz. ucheb. zav. i tekhn. tekst. prom.* no. 6: 130-135 '62.

EQUIVALENT CIRCUITS

Transformation of a multilateral network to an equivalent star, N. G. Maksimovich. *Avtom. kont. i izm. tekhn.* no. 6:11-15 '62.

ERDENI-DZU, MONGOLIA—DESCRIPTION

Erdeni-Dzu, D. Navan. *Sovr. Mong.* 7 no. 11:12-13 N '62.

ERENBURG, GRIGORI BORISOVICH, 1903- —BIBLIOGRAPHY see Bibliography—Erenburg, Grigori Borisovich, 1903-

ERGOCALCIFEROL

Use of vitamins A and D₂ is an important hygienic condition for the birth of a litter of baby pigs, A. I. Karelin. *Trudy VIEV* 26:228-235 '62.

ERIVAN—REFRACTORY MATERIALS

Industrial experience in the improvement of the quality of fused "bakor" (baddeleyite-corundum) refractory, S. Rustambekian. *Prom. Arm.* 5 no. 12:47-50 D '62.

ERIVAN—STOMACH—CANCER

Stomach cancer as per data of Erevan clinics and the Institute of Roentgenology and Oncology of the Academy of Sciences of the Armenian SSR, for 1940-57, V. O. Sarukhanian and others. *Vop. rent. i onk.* 6:221-231 '61.

ERIVAN REGION—SALT DEPOSITS

Some problems of the mineralogy and paleogeography of the salt-bearing layer in the Erivan region, M. A. Movsesian, I. Kh. Petrosov. *Izv. AN Arm. SSR, Geol. i geog. nauki* 15 no. 6:13-24 '62.

EROSION

(see also subdivision under Bryansk Province)

Dynamics of the state of the soil cover in the area of the Kayrak-Kum Reservoir, I. S. Aliev. *Dokl. AN Tadzh. SSR* 3 no. 3:31-34 '60.

Effect of tillage methods on the fertility of eroded soils, I. A. Skachkov, M. I. Suchalkina, V. I. Petrova. *Sbor. nauch. rab. Nauch.-issl. inst. sel. khoz. i sentr.-chern. pol.* 2 no. 1:55-56 '60.

Influence of the Quaternary climatic rhythms upon the development of the erosional pattern, A. A. Aseev. *Izv. AN SSSR, Ser. geog.* no. 1:8-14 Ja-F '63.

Kuznik, I. A. [Measures for land improvement through afforestation, spring runoff, and soil erosion] *Agrolesomellorativnyy meroprilozheniye, veseni stok i eroziya pochv.* Leningrad, Gidrometizdat, 1962. 220 p.

Zvonkov, V. V. [Water and wind erosion of the earth] *Vozdukh i vetrovaya eroziya zemli.* [Moskva] Izd-vo Akad. nauk SSSR, [1962] 174 p.

EROSION—CONGRESSES

The Second Plenum of the Interdepartmental Geomorphological Committee attached to the Division of Geologic and Geographic Sciences of the Academy of Sciences of the U. S. S. R. devoted to the problem of erosion surfaces (Saratov, September 25 - October 3, 1962), I. U. A. Meshcheriakov, S. K. Gorelov. *Izv. AN SSSR, Ser. geog.* no. 1:109-115 Ja-F '63.

EROSION OF METALS

Effect of nickel on the resistance of austenitic alloys to cavitation erosion, R. I. Mintz, V. G. Gorbach. *Fiz. met. i metalloved.* 14 no. 6:814-819 D '62.

Increasing the cavitation-erosion and corrosion resistance of engine parts, D. M. Likhoshesterov, I. U. S. Chervyakov. *Metalloved. i term. obr. met.* no. 1:19-21 Ja '63.

ERRORS, THEORY OF

Asymptotic estimates of the error in methods of the Runge-Kutta type, A. N. Tikhonov, A. D. Gorbunov. *Zhur. vych. mat. i mat. fiz.* 3 no. 1:195-197 Ja-F '63.

Determination of the magnitude of random errors in chemical analysis of geological samples, V. I. Titov, E. P. Osiko, E. A. Antonova. *Zav. lab.* 29 no. 3: 316-321 '63.

On the error involved in numerical integration, V. M. Solodov. *Dokl. AN SSSR* 148 no. 2:284-287 Ja '63.

ERYSIPELAS

Comparative evaluation of some methods of erysipelas treatment, M. G. Raskevalov. *Sbor. rab. Sverd. med. inst.* no. 32:126-132 '61.

Content of blood properdin in erysipelas patients [with summary in English], V. L. Cherkasov, E. V. Chernokhvostova, V. D. Nikitina. *Vrach. delo* no. 11:89-101 N '62.

Using ultramicroscopy for studying the mobility of *Streptococcus erysipelas* and *Listeria*, A. Kirina. *Sbor. stud. nauch.-issl. rab. VSKH* 1 no. 1:217 '62.

ERYTHROCYTES

Change in the osmotic resistance and the diameter of erythrocytes in Botkin's disease, A. D. Krivchenkova. *Trudy Kish. gos. med. inst.* 11:125-128 '60.

Effect of human saliva on the inhibitory activity of some substrates and the virus adsorbing capacity of the erythrocytes, E. A. Fridman. *Trudy Len. inst. epid. i mikrobiol.* 17:13-19 '58.

Sensibilizing effect of extracts of *Histrella* cultures on the erythrocytes [with summary in English], A. A. Tripollitova. *Trudy TomNIIVS* 11:213-217 '60.

Studying the resistance of erythrocytes during digestive leucocytosis, A. Kubarev and others. *Sbor. stud. nauch.-issl. rab. VSKH* 1 no. 1:161-164 '62.

ERYTHROMYCIN

Functional state of the liver in chronic cholecystitis before and after treatment with erythromycin and levomycetin [with summary in English], P. G. Podorozhnyi. *Vrach. delo* no. 1:32-35 Ja '63.

Resistance of staphylococci to erythromycin, T. M. Bass. *Vrach. delo* no. 1:87-89 Ja '63.

ERYTHROPOIESIS

Effect of the higher parts of the central nervous system on the morphological composition of the blood. Report No. 2, I. B. Kozlovskaya. *Trudy Inst. vyz. nerv. deiat. Ser. fiziol.* 7:203-209 '62.

Effect of ultraviolet and ionizing irradiations on hemopoiesis in the bone marrow of guinea pigs, T. A. Sviderskaya, I. N. Filipson. *Radiobiologiya* 3 no. 1:45-52 '63.

ESCHERICHIA COLI

Baroin, O. V., ed. [Colicenteritis] *Kolienterity.* Moskva, Medgiz, 1962. 97 p. (DNLM)

Clinical characteristics of colicenteritis and some immunological indices in its prevalence, B. G. Shrivindt and others. *Nauch. trudy Chetv. Mosk. gor. klin. bol.* no. 1: 28-39 '61.

Radiosensitivity of *Escherichia coli* as related to the method of cultivation and the conditions of the medium during X-ray and alpha-ray irradiation, I. A. L. Shekhtman, G. V. Filippova, G. B. Radzievskii. *Radiobiologiya* 3 no. 1:34-38 '63.

ESENOVA, TOUSHAN, 1915-

Creative biography of Tushan Esenova, L. M. Sidel'nikova. *Trudy Inst. lit. AN Turk. SSR* no. 5:80-105 '61.

ESOPHAGUS—CANCER

Study of the functional state of the thyroid gland by means of radioactive iodine during radiation therapy for cancer of the larynx and esophagus, G. A. Kazarian. *Vop. rent. i onk.* 6:211-216 '61.

ESOPHAGUS—FOREIGN BODIES

Hemorrhage from the aorta caused by a foreign body in the esophagus, E. M. Vovchenko, N. P. Kuz'minskii. *Klin. khir.* no. 11:72-74 N '62.

ESOPHAGUS—SURGERY

Data on the surgical treatment of cancer of the esophagus and the cardiac section of the stomach [in Georgian with summary in Russian], D. P. Shotadze, Z. L. Zodelava. *Trudy Tbil. GIDUV* 6:81-88 '62.

Plastic surgery of the esophagus using a flap of the diaphragm [in Georgian with summary in Russian], S. M. Buachidze. *Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR* 10:317-322 '62.

Secretory function of the stomach in the case of an artificial esophagus [with summary in English], I. A. P. Bolko. *Vrach. delo* no. 11:3-7 N '62.

Treatment of cicatricial esophagostenosis, L. V. Kirpicheva. *Klin. khir.* no. 12:42-45 D '62.

Use of Kirschner's operation in cancer of the thoracic portion of the esophagus [with summary in English], A. A. Rusanov. *Vest. khir.* 89 no. 11:13-18 N '62.

Using the large intestine in plastic surgery of the cervical part of the esophagus [with summary in English], V. I. Filin. *Vest. khir.* 89 no. 11:3-12 N '62.

ESOPHAGUS—TUMORS

Case of benign tumors of the esophagus, L. Kh. Adilgireeva. *Zdrav. Kazakh.* 22 no. 11:68-70 '62.

ESPIONAGE

"Fact book on subversive activities emanating from West Berlin against the socialist countries." Reviewed by A. Markov. *Komm. Vooruzh. Sil* 3 no. 23: 88-92 D '62.

Semenov, M. N. [Be alert! *Bud' te bditel'ny.* Moskva, Izd-vo DOSAAF, 1962. 93 p.

ESSENCES AND ESSENTIAL OILS

Improved laboratory still for the distillation of essential oils. N. L. Gurvich. Masl. -zhir. prom. 29 no. 1: 35 Ja '63.

New sesquiterpene from essential oil of *Artemisia taurica* Willd. G. V. Pigulevskii, V. I. Kovaleva, Zhur. ob. khim. 33 no. 2:705-706 F '63.

Oil content of the fruit of false indigo in Bryansk Province. V. A. Bogomaz. Trudy Brian. tekhn. inst. 9:290-294 '60.

Study of chemical constituents of essential oils, Part 6: Hydration of sabinene. G. A. Tolstikov, L. N. Lishchynova, M. I. Gorlaev, Zhur. ob. khim. 33 no. 2:683-687 F '63.

Wander fluid. V. Zhmotov. Mest. prom. i khud. promys. 4 no. 2:19 F '63.

ESTERIFICATION

Effect of terephthalic acid on the rate of transesterification of dimethyl terephthalate with ethylene glycol. R. S. Murotova, I. A. Sharapova, Khim. volok. no. 1: 10-23 '63.

Esterification of acetic acid and its homologues by butanol. A. M. Smolenskaya, V. N. Kozlov, Trudy Inst. khim. UFAN SSSR no. 6:47-53 '61.

ESTERS

Pastelike compositions based on polyester resins. N. N. Senatskii. Plast. massy no. 2:26-31 '63.

Polymerizable oligomers. A. A. Berlin, T. A. Kefeli, G. V. Korolev, Khim. prom. no. 12:870-880 D '62.

Synthesis of hardening polyester acrylates in the presence of insoluble polyelectrolytes. E. B. Trostianskaia and others. Plast. massy no. 2:12-13 '63.

Use of the three-component systems for initiating the copolymerization of unsaturated polyesters with styrene. Z. V. Mikhailova, P. Z. Li. Plast. massy no. 1: 12-18 '63.

ESTONIA—APARTMENT HOUSES

Standard for apartment houses in Estonia. L. Volkov. Zhil. stroit. no. 9:28-29 '62.

ESTONIA—BIRDS—MIGRATION

Flights of bean goose and whooper swan in Estonia. V. A. Zhelmin. Ornitologiya no. 5:333-336 '62.

ESTONIA—BOTANY

Eesti NSV Teaduste Akadeemia, Zoologia ja Botaanika Instituut. [Flora of the Estonian S.S.R.] Eesti NSV Flora. Koostanud K. Eichwald et al. 2., parandatud ja täiendatud trükk. Tallinn, Eesti Riiklik Kirjastus. [In Estonian with summaries in Russian] Vol. 2. 1962. 530 p.

ESTONIA—ECONOMIC CONDITIONS

Siliuask, K. [Development of capitalism and the bourgeois-democratic national movement in Estonia in the second half of the 19th century] Kapitallami arenemine ja kodanlik-demokraatlik rahvuslik liikumine Eestis XIX sajandi teisel poolel. Tartu, Riiklik Ülikool, 1962. 68 p. [In Estonian]

ESTONIA—FLEA BEETLES

Haberman, Harald. [Leaf and flea beetles of Estonia; Chrysomelidae, Haliicinae] Eesti hupikpollased; chrysomelidae, haliicinae. Tartu, Eesti Teaduste Akad. 1962. 217 p. [In Estonian, Russian, and German]

ESTONIA—GEES

Flights of bean goose and whooper swan in Estonia. V. A. Zhelmin. Ornitologiya no. 5:333-336 '62.

ESTONIA—HISTORY—SOURCES

"History of the Estonian people during the Northern War, 1700-1721: collected materials" [in Estonian]. Reviewed by H. E. Palli, O. J. Vares. Ist. arkh. 8 no. 6:176-178 N-D '62.

ESTONIA—INDUSTRIAL WASTES

Veldre, Ingeborg. [Materials for the hygienic evaluation of waste waters of the shale industry] Materjalid kigienicheskoj oisenske stochnykh vod slantsevoi promyshlennosti. Tallinn, Akad. nauk Estonskoi SSR, 1962. 115 p. [With summaries in Estonian and German]

ESTONIA—LEAF BEETLES

Haberman, Harald. [Leaf and flea beetles of Estonia; Chrysomelidae, Haliicinae] Eesti hupikpollased; chrysomelidae, haliicinae. Tartu, Eesti Teaduste Akad. 1962. 217 p. [In Estonian, Russian, and German]

ESTONIA—PEASANTRY

Kahk, Juhan. [Peasant movement and question in Estonia at the end of the 18th and the first quarter of the 19th century] Krest'ianskoe dvizhenie i krest'ianskii vopros v Estonii v kontse XVIII i pervoi chetverti XIX veka. [Tallinn, Redaktsionno-izdatel'skii sovet Akad. nauk Estonskoi SSR, 1962] 475 p. [With summary in German]

ESTONIA—POLITICS AND GOVERNMENT

Estonian S.S.R. Ülemnõukogu. [Third session of the Fifth Supreme Soviet of the Estonian S.S.R., August 18-19, 1960; verbatim report] Tret'ia sessiya Verkhovnogo Soveta Estonskoi SSR platogii sozyva 18-19 avgusta 1960 goda; stenograficheski otchet. Tallinn, Estonskoe gos. izd-vo, 1960. 150 p.

ESTONIA—STANDARDS, ENGINEERING

Estonian S.S.R. Riiklik Ehituse ja Arhitektuuri Komitee. [Instructions RSNI8-62 for evaluating the quality of construction and assembly work in the Estonian S.S.R.] Junisedehitus- ja montaažtoode kvaliteedi hindamiseks EESTI NSV-s (VEN 18-62). Tallinn, 1962. 78 p. [Parallel texts in Estonian and Russian]

ESTONIA—STOCK AND STOCKBREEDING

One hundred and fifty centers of cheap meat to 100 hectares of arable land. Y. Lummo. Agitator no. 13: 40-43 J1 '62.

ESTONIA—SWANS

Flights of bean goose and whooper swan in Estonia. V. A. Zhelmin. Ornitologiya no. 5:333-336 '62.

ESTONIA—WAR CRIMINALS

Martinson, Ervin. [Henchmen of the swastika] Haakristi teenrid. Tallinn, Eesti Riiklik Kirjastus, 1962. 277 p. [In Estonian]

ESTONIAN LANGUAGE

Kaash, A. [Collection of texts in Estonian dialects] Valimik eesti murdelaikude, Tartu, Tartu Riiklik Ülikool, 1962. 147 p. [In Estonian]

ESTONIAN LANGUAGE—GRAMMAR, COMPARATIVE—RUSSIAN

[Comparative grammar of the Estonian and Russian languages] Sõpostavitel'naia grammatika estonskogo i russkogo iazyka; dlia prepodavatelei i studentov. [By] E. Palli dr. Tallinn, Eesti Riiklik Kirjastus, 1962. 434 p.

ESTONIAN LITERATURE—PERIODICALS

"Keel" is kir'landus" ("Language and literature") nos. 7, 8, 9, 1962. Vop. lit. 6 no. 12:228-227 D '62.

ETHANE

Mechanism of the reaction of ethyllithium with ethyl iodide. F. S. D'iachkovskii, A. E. Shilov, Zhur. ob. khim. 33 no. 2:406-411 F '63.

Studying the kinetics of ethane pyrolysis by the single-pulse shock tube method [with summary in English]. V. G. Knorre, G. I. Kozlov, Inzh. -fiz. zhur. 6 no. 2: 100-113 F '63.

ETHANE—SPECTRA

Microwave spectrum of the 1, 1-, 2-trifluoroethane molecule. I. A. Mukhtarov. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekhn. nauk no. 4:59-63 '62.

ETHANOL

Synthesis of some derivatives of monoethanolmethylamine. A. F. Nikolaev and others. Zhur. ob. khim. 33 no. 2: 391-394 F '63.

ETHER

Addition of α -chloroalkyl ethers to styrene and the transformations of 1-phenyl-1-chloro-3-methoxybutane obtained. S. A. Vartanian, F. V. Dangian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:443-447 '62.

Effect of the nature of ether on the copolymerization of styrene and divinyl by butyllithium [with summary in English]. S. P. Mitsengendler and others. Vysoikom. soed. 5 no. 2:212-216 F '63.

Glycol ethers and their derivatives. Part 49: Synthesis of aromatic γ -bromo ethers. Shamkhal Mamedov, D. N. Khydyrov. Zhur. ob. khim. 33 no. 2:457-462 F '63.

Mutual solubility in the systems uranyl perchlorate - water - diethyl ether and uranyl perchlorate - water - di-n-butyl ether at 25°C. V. M. Vdovenko and others. Radiokhimiya 5 no. 1:80-89 '63.

ETHIOPIA—VOCATIONAL EDUCATION

In the vocational schools of Ethiopia. B. Omel'ianenko. Prof. -tekhn. obr. 20 no. 2:31 F '63.

ETHNOLOGICAL MUSEUMS AND COLLECTIONS see subdivision under Kolomyia; Kosov; Leningrad; Lithuania

ETHNOLOGY

(see also subdivision under Buryat A.S.S.R.; Irkutsk Province; Kazakhstan; Soviet Central Asia)

Activities of the Section of East-Slavic Ethnography in the last years. I. Vlasova. Nar. tvorch. ta etn. 6 no. 3:145-147 J1-S '62.

Akademiya nauk SSSR. Institut etnografi. [Number and distribution of the peoples of the world] Chislennost' i rasselenie narodov mira. Pod red. S. I. Bruka, Moskva, Izd-vo Akad. nauk SSSR, 1962. 482 p. (Narody mira; etnograficheskie ocherki)

Moscow, Universitet. Nauchno-metodicheski kabinet po zaochnomu i vechernemu obucheniiu. [Ethnographical outline of the peoples of the U.S.S.R. (European part)] Ocherki po etnografii narodov SSSR (Evropeiskaya chast'); uchebnoe posobie. [Moskva] Izd-vo Mosk. univ., 1962. 125 p.

Tasks of the Soviet ethnology in the light of the resolutions of the 22d Congress of the CPSU. Nar. tvorch. ta etn. 6 no. 3:3-12 J1-S '62.

ETHNOGRAPHY—BIBLIOGRAPHY see Bibliography—Ethnography

ETHNOLOGY—CONGRESSES

"Austrian contribution to research on the past and the cultural history of mankind, with special regard to Central Europe. A report on the First Austrian Symposium at the Wartenstein Castle from September 8 to 12, 1958" [in German]. Reviewed by M. I. Uryson. Vop. antr. no. 10:162-164 '62.

The First All-Union Ethnographic Student Conference. A. Marinescu. Nar. tvorch. ta etn. 6 no. 3:149-150 J1-S '62.

ETHNOLOGY—PERIODICALS

"Sovetskaya etnografiya," a periodical of Soviet ethnographers. A. Arslanovskii and others. Kommunist 39 no. 5:124-126 Mr '63.

ETHYL ALCOHOL

Determining ethyl alcohol content. I. G. Agronovich. Masl. -zhir. prom. 29 no. 1:30 Ja '63.

Studying the biology of acetic acid bacteria in submerged cultivation. Part 2: Oxidation of ethyl alcohol by Acetobacter aceti [with summary in English]. M. S. Loitman-skaya, V. E. Pliaka. Vest. LGU 18 no. 3:65-73 '63.

ETHYL ALCOHOL—DIPOLE MOMENTS

Superhigh-frequency spectrum, rotational constants, and dipole moment of the ethyl alcohol molecule. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekhn. nauk no. 4: 55-58 '62.

ETHYLAMINE

Hydrolysis of some di(2-chloroethyl)amines. Part 2. A. A. Berlin, A. D. Chislova, Zhur. ob. khim. 33 no. 2:610-611 F '63.

ETHYLATION

Oxyethylation of synthetic alcohols in order to improve the properties of monomolecular layers depressing the evaporation of water. V. A. Ogarev, A. A. Trapeznikov. Dokl. AN SSSR 148 no. 3:647-650 Ja '63.

ETHYLENE

Alkylation of cyclohexene by ethylene at elevated temperatures and pressures. N. M. Nazarova and others. Neftekhimiya 3 no. 1:66-70 Ja-F '63.

Durability of polyvinyl chloride linoleums according to results of tests for rapid aging and actual observations. M. E. Kagan, V. D. Budanov, Stroi. mat. 9 no. 2:33-34 F '63.

Equipment for laying masticated polyvinyl chloride floor coverings. S. Gorodinskii, V. Sarychev. Na stroit. Ros. 3 no. 3:36-37 Mr '62.

Kinetics and mechanism of the initiation of ethylene polymerization on a soluble Ziegler-type complex catalyst. L. P. Stepovik, A. K. Shilova, A. E. Shilov. Dokl. AN SSSR 148 no. 1:122-125 Ja '63.

ETHYLENE ALCOHOL see Glycols

ETHYLENE COMPOUNDS

Conductance of films of a polymeric complex of tetracyanoethylene with metals. L. I. Boguslavskii, L. S. Stal'bins, Dokl. AN SSSR 147 no. 5:1114-1117 D '62.

ETHYLENE GLYCOL see Glycols

ETHYLENE POLYMERS

Catalytic depolymerization of polyethylene terephthalate wastes. L. Aleksandru, L. Dascalu, I. Kristescu. Khim. volok. no. 3:25-27 '62.

EURASIA—ATMOSPHERE

Formation and evolution of a winter upper frontal zone on the boundary of Eurasia and the Pacific Ocean and its characteristics for forecasting. L. R. Son'kin. Trudy GGO no. 133:84-93 '62.

EUROPE—ANTIQUITIES—CONGRESSES

"Austrian contributions to research on the past and the cultural history of mankind, with special regard to Central Europe. A report on the First Austrian Symposium at the Wartenstein Castle from September 8 to 12, 1958" [in German]. Reviewed by M. I. Uryson. Vop. antr. no. 10:162-164 '62.

EUROPE—ECONOMIC INTEGRATION

European integration and metallurgical monopolies of France [with English summary in appendix]. IU. Pavlov. Vnesh. torg. 42 no. 123-28 '63.

EUROPE—PETROLEUM GEOLOGY

Characteristics of the structure and oil and gas potential of internal troughs in the European alpine folded zone outside of Russia. I. V. Vysotskii, Geol. nafti. i gaza 9 no. 9:50-64 S '62.

EUROPE, EASTERN

Tul'chinskii, M. P. [Advocates of revenge; West-German "Ostforschung" in the service of the Bonn revenge policy] Advokaty revnasha; zapadnogermanskii "ostforschung" na sluzhbu bonnskoj revanshetskoj politiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 118 p. (Akademiya nauk SSSR. Nauchno-populjarnaya seriya)

EUROPE, EASTERN—AGRICULTURE, COOPERATIVE

Development of cooperative system in the European socialist countries. I. Korkunov. Vop. ekon. no. 1: 73-83 Ja '63.

EUROPE, EASTERN—DIVISION OF LABOR

Problems of the economic efficiency of the international socialist division of labor. IU. Kormnov, B. Ladygin, Vnesh. torg. 43 no. 2:20-25 '63.

EUROPE, EASTERN—ELECTRIC POWER DISTRIBUTION

In the Mutual Economic Assistance Council. Vnesh. torg. 42 no. 1:44-51 '63.

EUROPE, EASTERN—INDUSTRIAL MANAGEMENT

How industrial management in the European people's democracies is being accomplished. R. Evstigneev. Polit. samozbr. 7 no. 1:60-71 Ja '63.

EUROPE, EASTERN—LABOR DISPUTES

Examination of labor disputes in some people's democracies. V. Mironov. Sov. iust. no. 5:21-22 Mr '63.

EUROPE, EASTERN—MACHINERY INDUSTRY

In the Mutual Economic Assistance Council. Vnesh. torg. 42 no. 1:44-51 '63.

EUROPE, EASTERN—POWER RESOURCES

The Council of Mutual Economic Assistance and the problem of power resources; an interview with N. V. Fadeev. Nov. vrem. 20 no. 10:13-14 Mr '63.

EUROPE, EASTERN—PROFIT

Distribution and the utilization of profit in the industry of the European people's democracies. D. Butakov. Fin. SSSR 37 no. 2:82-80 F '63.

EUROPE, EASTERN—RUBBER INDUSTRY

Conference of specialists of the member countries of the Mutual Economic Assistance Council. IA. D. Kaziner, Kauch. i rez. 22 no. 2:53 F '63.

EUROPE, EASTERN—STONE AGE

The Szeletian and the Kostenki-Strelets cultures. G. P. Grigor'ev. Sov. arkhcol. 7 no. 1:3-11 '63.

EUROPE, WESTERN—ATOMIC WEAPONS

The second act of the Atlantic crisis. I. Ermashov. Nov. vrem. 20 no. 10:4-6 Mr '63.

EUROPE, WESTERN—COMMERCE—NOVGOROD (DUCHY)

Khoroshelevich, A. L. [Great Novgorod's trade with the Baltic region and Western Europe in the 14th and 15th centuries] Torgovlia Volikogo Novgoroda s Priballikoi i Zapadnoi Evropoi v XIV-XV vekakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 363 p.

EUROPE, WESTERN—COMMERCE—THAILAND

Bergin, E. O. [Struggle for the European powers for the Siamese market from 1630 through 1880] Bor'ba evropeiskikh derzhav za siamskii rynek, 30-80-e gody XVII v. Moskva, Izd-vo vostochnoi lit-ry, 1962. 280 p.

EUROPE, WESTERN—LABOR AND LABORING CLASSES

What does the "Common Market labor pool mean"? E. Pleinev. Nov. vrem. 20 no. 11:9-11 Mr '63.

EUROPE, WESTERN—MACHINERY INDUSTRY

The European Economic Community and the industrial equipment market [with English summary in appendix]. A. Zmeev. Vnesh. torg. 42 no. 1:17-23 '63.

EUROPEAN COMMON MARKET see European Economic Community

EUROPEAN ECONOMIC COMMUNITY

Brief news. Vop. ist. KPSS 7 no. 1:156-157 Ja '63. Chain reaction. V. Onipov. Nov. vrem. 20 no. 12:6-8 Mr '63.

"Common Market" and the working class. Lois Saillant. Vsem. prof. dvizh. no. 2:3-27 F '63.

The "Common Market" is a weapon of monopolies. N. Khomutov. Agitator no. 13:32-33 J1 '62.

The European Economic Community and the industrial equipment market [with English summary in appendix]. A. Zmeev. Vnesh. torg. 42 no. 1:17-23 '63.

A menace to the industrialization of the developing countries. R. Uliyanovskii. Az. i Afr. seg. no. 2:2-4, 6 F '63.

Oppose the advance of monopolies by a united front of trade unions. Lois Saillant. Vsem. prof. dvizh. no. 2:28-33 F '63.

Pakistan and the "Common Market." N. Kashanov. Az. i Afr. seg. no. 2:16-17 F '63.

The threat to the economies of liberated countries. V. Kollontai, IA. Elfinger. Mir. ekon. i mezhdunar. otn. no. 1:71-80 '63.

What does the "Common Market labor pool mean"? E. Pleinev. Nov. vrem. 20 no. 11:9-11 Mr '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—BALANCE OF PAYMENTS

Foreign exchange and credit problems of the "Common Market" countries. L. Frel. Den. i kred. 21 no. 1: 74-82 Ja '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—CREDIT

Foreign exchange and credit problems of the "Common Market" countries. L. Frel. Den. i kred. 21 no. 1: 74-82 Ja '63.

EUROPEAN FOUL BROOD see Foul brood, European

EUROPEAN WAR, 1914-1918—DIPLOMATIC HISTORY

Vinogradov, K. B. [Bourgeois historiography of the First World War; the origin of the war and the international relations of 1914-1917] Burzhuaznaia istoriografiia Pervoi mirovoi voyny; proiskhozhdienie volny i mezhdunarodnye otnosheniia, 1914-1917 gg. Moskva, Sotsekgiz, 1962. 400 p.

EUROPEAN WAR, 1914-1918—ECONOMIC ASPECTS

Materials of the industrial census in 1918 on defense enterprises during the years of the First World War, and on their situation in 1917 to 1916. A. S. Pokrovskii. Trudy MGAI 16:205-208 '61.

EUROPEAN WAR, 1914-1918—PRISONERS AND PRISONS, RUSSIAN

Revolutionary action of prisoners of war in Russia during the First World War [with summary in English, p. 220]. N. A. Popov. Vop. ist. 30 no. 2:76-87 F '60.

EUROPIUM COMPOUNDS

Ion exchange in the study of the state of a substance in solution. Part 2: Complex formation of europium with some dibasic acids. V. I. Paramonova, A. S. Koreichuk, A. V. Chizhov. Radiokhimiia 5 no. 1:63-73 '63.

EUROPIUM ISOTOPES—DECAY

Gamma-ray spectrum of Eu¹⁵⁰ decay. G. A. Kotelnikov, N. Shadiev. Izv. AN SSSR. Ser. fiz. 27 no. 2:286-289 F '63.

Study of the internal conversion electron spectrum of Eu¹⁴⁷. O. D. Kovrigin and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:263-266 F '63.

EUXENITE

Euxenite and priorite, polymorphic varieties of YNbTiO₆. A. I. Kornkov. Dokl. AN SSSR 148 no. 3:679-680 Ja '63.

EVAPORATION

(see also subdivision under Antarctic regions)

Evaporation coefficients of liquid C₂H₅OH, BC₃, BF₃, CH₄, I. B. Amirkhanova and others. Dokl. AN SSSR 149 no. 1:114-116 Mr '63.

Moisture evaporation from secondary turf-Podzolic soils in the Darwin Preserve. S. A. Vadychenskii, L. V. Iakovleva, Liu Siao-i [Liu Hsiao-i]. Trudy DGZ no. 7: 71-85 '61.

Study of a simplified method of heat balance. E. G. Perniak, T. K. Iastrebova. Trudy GGO no. 129:88-100 '62.

Two-dimensional pressure and the capacity of reducing water evaporation from monolayers in normal and secondary hexadecanol mixtures. A. A. Trapeznikov, V. A. Ogarev. Dokl. AN SSSR 148 no. 1:162-165 Ja '63.

EVENING AND CONTINUATION SCHOOLS

(see also subdivision under Altai Territory; Dnepropetrovsk Province; Leningrad; Moscow; Nikolayev Province; Poland; Tuapse)

Bushila, A. K. [Moral education of the evening (staggered) school students during the process of instruction] Nравственное воспитание учащихся вечерней (сменной) школы в процессе обучения. Moskva, Izd-vo APN RSFSR, 1962. 49 p. (Vechernie smennye srednie shkoly)

Development of students' independence and creativeness. G. Vorob'ev. Nar. obr. no. 2:72-76 F '63.

Editor's mail. I. A. Kuruzbayer and others. Vech. sred. shkola 5 no. 5:91-94, 96 S-O '62.

"Educational work in the schools for working youth" by M. M. Khazanov. Reviewed by TS. E. Leitman. Vech. sred. shkola 5 no. 5:81-82 S-O '62.

Experiment in comprehensive education. A. Kuznetsov. Prof. -tekh. obr. 19 no. 11:28 N '62.

"Improving vocational qualifications of evening (staggered) school students." Reviewed by A. IA. Viasik. Vech. sred. shkola 5 no. 5:86-88 S-O '62.

Let's improve the efficiency of biology lessons in the evening (staggered) secondary schools. A. P. Medovaia. Biol. v shkole no. 6:35-38 N-D '62.

Main stages in the development of industrial training schools: 1918-1940. Report No. 1: Origin and growth of industrial training schools; 1918-1922. E. G. Ososvskii. Dokl. APN 8 no. 5:65-68 '62.

Maintenance of student enrollment is an important national task. Vech. sred. shkola 5 no. 6:3-6 N-D '62.

Maintaining a full enrollment of students. V. K. Malkov. Vech. sred. shkola 5 no. 5:16-17 S-O '62.

Periodic measuring of student knowledge in evening schools. A. N. Sviridov. Sred. spets. obr. 9 no. 12: 27-30 D '62.

School and labor productivity. K. E. Vainshteyner. Vech. sred. shkola 5 no. 5:28-29 S-O '62.

Some special aspects of student mental activity. S. I. Brev. Vech. sred. shkola 5 no. 6:87-91 N-D '62.

These problems should be solved collectively. G. D. Vovchenko. Vest. vys. shkoly 21 no. 1:42-45 Ja '63.

Third anniversary of working in the new way. A. V. Alekseev, E. T. Borodin. Vech. sred. shkola 5 no. 5: 13-16 S-O '62.

Urgent problem. G. I. Grankin. Vech. sred. shkola 5 no. 6:62-63 N-D '62.

With community participation. A. M. Mazhina. Vech. sred. shkola 5 no. 5:8-9 S-O '62.

Workers are studying. D. A. Krakhmalev. Vech. sred. shkola 5 no. 5:12-13 S-O '62.

EVENING PRIMROSE

Some characteristics of the ontogenesis of the Missouri evening primrose. I. P. Ignat'eva. Biol. Glav. bot. sada no. 45:87-87 '62.

EVIDENCE, EXPERT

We should carefully gather samples for forensic expertise. V. Kolmakov. Rad. pravo no. 5:52-56 S-O '62.

EVOLUTION

Characteristics of living nature. N. A. Livanov.

Uch. zap. Kaz. un. 120 no. 6:3-32 '60.

"Jean-Baptiste de Lamarck and the theory of the evolution of living organisms" by I. M. Poltakov. Reviewed by G. N. Chernov. Vop. filos. 17 no. 2:177-179 '63.

Origin of saprobic organisms. D. V. Belikhov. Uch. zap. Kaz. un. 120 no. 6:350-382 '60.

EVOLUTION—STUDY AND TEACHING

First lessons on the fundamentals of Darwinism. E. V. Peshanina. Biol. v shkole no. 6:39-42 N-D '62.

EYSEENKO, S. S.

S. S. Evseenko, founder of the specific prophylaxis of cattle plague. N. I. Lapanov. Veterinaria 37 no. 7: 65-66 J1 '60.

EVTUSHENKO, EVGENII ALEKSANDROVICH

Far from the truth. N. Anastas'ev. Vop. lit. 6 no. 12: 162-164 D '62.

EXAMINATIONS BEFORE TRIAL see Preliminary examinations (Criminal procedure)

EXCAVATING MACHINERY

All excavator operators must work well. V. Kabanova. Stroitel' 9 no. 2:10 F '63.

The NOK-1, 2 machine for digging irrigation canals. B. A. Shepititskii. Mashinostroenie no. 6:79-81 N-D '62.

Our news stories. Ukraina no. 13:13 J1 '62.

Recent trends in developing highly efficient excavators and loaders. G. V. Rodionov and others. Gor. zhur. no. 2:43-46 F '63.

The seven-year plan was fulfilled ahead of time. V. Kabanov. Na stroi. Ros. 3 no. 12:23-24 D '62.

Soviet-made excavators. A. I. Safronov. Biol. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:51-58 '63.

Using the OM-202 excavator in the establishment of drainage network in floodlands of the Nerussa River. V. I. Korolev. Trudy Briat. tekhn. inst. 9:295-304 '60. The UTM-3M machine for digging narrow trenches. P. P. Nazarevskii. Mekh. sil. hosp. 13 no. 12:28-29 D '62.

EXCAVATING MACHINERY—EQUIPMENT AND SUPPLIES

Investigating the support frame of the ESH-15/80 excavator by means of a strain-measuring model. V. I. Mazo. Konstr. krup. mash. no. 1:80-89 '62.

EXCAVATING MACHINERY—MAINTENANCE AND REPAIR

Vlasov, A. S., and V. K. Gogolin. [Technical servicing of excavators] Tekhnicheskii ukhod za ekskavatorami. Pod red. A. K. Releha. Moskva, Proftekhizdat, 1962. 147 p. (Biblioteka molodogo rabochego)

EXCAVATING MACHINERY—TESTING

Stopping conditions of the forward sliding mechanism of a quarry excavator. IU. A. Deviatkin. Konstr. krup. mash. no. 1:100-114 '62.

EXCAVATIONS (ARCHAEOLOGY) see subdivision under Moscow; Sukhumi District

EXECUTIONS (LAW)

In the Council of Ministers of the R. S. F. S. R. Sov. iust. no. 2:30 Ja '63.

EXERCISE

Frequency of cardiac contractions during muscular activity in man under natural conditions; according to data of dynamic radiotelemetry. V. V. Rozenblut. Fiziol. zhur. 48 no. 12:1454-1465 D '62.

EXERCISE THERAPY

Effect of exercise therapy on the restoration of impaired coordination of movements in some forms of neurasthenia (with vestibulopathy) [in Georgian with summary in Russian]. V. G. Kunchulia and others. Trudy Tbil. GIDUV 6:203-210 '62.

EXERCISE THERAPY (Continued)

Effect of exercise therapy on the restoration of the functions of the wrist in traumas of the radiocarpal joint [in Georgian with summary in Russian]. V. G. Kunchulia, A. A. Baluashvili, L. L. Latsabidze, Trudy Tbil. GIDUV 6:211-216 '62.
Roentgenokymographic study of the beat and minute volume of the blood in hypertonic patients under the action of terrain cure. I. L. Arabel. Vop. rent. i onk. 6:47-56 '61.

Treatment of stammering by means of therapeutic physical culture. S. A. Kron. Vrach. delo no. 11:139-140 N '62.

EXHIBITIONS

International fairs, 1963. Nov. vrem. 20 no. 12:15 Mr '63.

EXISTENCE THEOREMS

Some existence and uniqueness theorems for differential equations with delayed argument [with summary in English]. V. I. Fodchuk. Dop. AN URSS no. 12:1541-1545 '62.

EXPANSION (HEAT)

Investigating the thermal expansion of certain silicides. V. S. Neshpor, M. I. Reznichenko. Ogneupory 28 no. 3: 134-137 '63.

Notes on the method of studying thermal expansion. S. I. Ivanov. Fiz. v shkole 22 no. 6:44-45 N-D '62.

EXPANSION CHAMBER see Cloud chamber

EXPERIMENTAL DESIGN

Statistical methods for an experimental planning in the mathematical description of processes. V. V. Nalimov. Zav. lab. 20 no. 1:5-7 '63.

EXPERIMENTAL PSYCHOLOGY see Psychology, Physiological

EXPERT EVIDENCE see Evidence, Expert

EXPLOSIONS

High-speed photography of explosions. E. A. Agareva. Vzryv. rab. no. 3:117-124 '66.

Motion of a gas caused by a concentrated blow striking its surface (in surface explosions). I. U. P. Raizer. PMTF no. 1:56-66 Ja-F '63.

On a bordering case of the propagation of strong explosion waves in an inhomogeneous medium. B. N. Rumiantsev. PMTF no. 1:127-129 Ja-F '63.

Problem of hot centers of explosion. A. G. Merzhanov, V. V. Barzykin, V. T. Gontkovskaya. Dokl. AN SSSR 148 no. 2:380-383 Ja '63.

Water valve for preventing sympathetic explosion of fuel gases. L. I. Sychev. Bezop. truda v prom. 6 no. 11:29 N '62.

EXPLOSIONS—PHYSIOLOGICAL EFFECT

Effect of concentrated explosions on the fishes of the Caspian Sea. L. N. Solodilov and others. Vop. ikht. 2 no. 4:725-730 '62.

EXPLOSIONS IN MINES see Mine explosions

EXPLOSIVES

Basic propositions in calculating large charges of explosives for draw blasting. G. I. Pokrovskii. Vzryv. rab. no. 3:8-22 '66.

Calculation of the parameters of detonation waves from condensed explosives. V. N. Zubarev, G. S. Telegin. Dokl. AN SSSR 147 no. 5:1122-1125 D '62.

The mechanism underlying detonations of liquid explosives. A. N. Dremin, O. K. Rozanov, V. S. Trofimov. PMTF no. 1:130-132 Ja-F '63.

EXPLOSIVES IN SHEET-METAL WORK

Dies for manufacturing bottoms by explosion techniques. B. M. Laz'kov. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:21-23 '63.

Explosion stamping. G. N. Afanas'ev. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 1:26-28 '63.

EXPLOSIVES IN WELDING

Basic parameters of explosive welding and the strength characteristics of weldments. V. S. Sedykh, M. F. Bondar'. Svar. protzv. no. 2:1-5 F '63.

EXTINCTION (PSYCHOLOGY)

"Extinction with reinforcement" in the study of localized motor food conditioned reflexes. E. I. Popova. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:99-106 '62.

EXTRACTION (CHEMISTRY)

Application of mathematical methods of experiment designing during the study of the mechanism of zirconium extraction. L. N. Komissarova and others. Zav. lab. 29 no. 3:327-330 '63.

Determining the coefficient of diffusion in the extraction of resinous substances from tar-impregnated stump wood by the "Kalosha" solvent. L. V. Golikov, V. N. Kozlov. Trudy Inst. khim. UFAN SSSR no. 8:83-88 '61.

Distribution of propionic and butyric acids between the nonaqueous and aqueous phases at various temperatures as related to the concentration of acids. V. N. Kozlov, G. A. Tokareva. Trudy Inst. khim. UFAN SSSR no. 6: 41-45 '61.

Effect of the acidity of the extractant on the degree of the extraction of acetic acid from the aqueous phase. V. N. Kozlov, G. A. Tokareva. Trudy Inst. khim. UFAN SSSR no. 6:33-40 '61.

Extraction of phenols from peat tar by a water solution of methanol. V. B. Smolenskii, V. N. Kozlov. Trudy Inst. khim. UFAN SSSR no. 6:79-86 '61.

Extractive purification of nickel solutions from iron and copper impurities. N. I. Gel'perin and others. TSvet. met. 36 no. 2:37-42 F '63.

Screening experiments during the study of zirconium extraction by tributyl phosphate. I. U. V. Granovskii and others. Zav. lab. 29 no. 3:321-326 '63.

Speed of continuous countercurrent extraction of acetic acid from the aqueous phase by the nonaqueous phase. V. N. Kozlov. Trudy Inst. khim. UFAN SSSR no. 6: 93-102 '61.

EXTREMITIES (ANATOMY)—DISEASES

Treatment of cattle extremities infected with necrobacillosis. D. N. Bondar'ko. Veterinariia 37 no. 7:42 JI '60.

EXTREMITIES (ANATOMY)—SURGERY

Causes of toxic phenomena in intrasosseous anesthesia. V. P. Okhotskii. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:105-114 '61.

EXTREMITIES (ANATOMY)—WOUNDS AND INJURIES

Spontaneous arrest of hemorrhage in avulsions of the extremities. A. Ia. Iakovlev. Klin. khir. no. 12:65 D '62.

EXTREMITIES, LOWER—BLOOD SUPPLY

Neurovascular zone in the region of the hip. G. V. Terent'ev. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:20-33 '58.

Rare variations in the location of the deep femoral artery and cases of its absence. G. V. Terent'ev. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:114-120 '58.

EXTREMITIES, LOWER—INNERVATION

Neurovascular zone in the region of the hip. G. V. Terent'ev. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:20-33 '58.

EXTREMITIES, LOWER—SURGERY

Our experience in operative treatment of patients suffering from thrombophlebitis of the lower extremities. A. I. Vasilevskii. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:227-239 '61.

EXTREMITIES, LOWER—ULCERS

Treatment of patients suffering from trophic ulcers of the lower extremities. N. Kh. Malinskii, N. P. Turayev. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:240-251 '61.

EXTRUSION (METALS)

Reznikov, A. G. [Making steel and aluminum parts by cold extrusion] Shtampovka detal' iz stali i aluminiovyykh splavov metodom kholodnogo vydavliivaniia. Leningrad, 1962. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Gorlachaia i kholodnaia obrabotka metallov dvleniem, no. 6)

EXTRUSION (PLASTICS)

Method of adjusting extrusion heads for profiling articles. M. P. Shipenkov, V. D. Sazonov. Plast. massy no. 1: 69-71 '63.

Processing plastic materials by the extrusion method. Plast. massy no. 2:77 '63.

EYE

On the existence of a basal membrane between the optic vesicle and the lens-forming ectoderm in birds. G. S. Kyrikhidze. Dokl. AN SSSR 148 no. 3:731-732 Ja '63.

EYE—DISEASES AND DEFECTS

Arkhangel'skii, V. N. [Diseases of the eye] Glaznye bolezni; posobie dlia prakticheskogo vracha. 2, izd., dop. i perer. Moskva, Medgiz, 1963. 131 p. (Biblioteka prakticheskogo vracha) (DNLM)

Changes in the eye in hypertension in elderly and senile persons. N. V. Sernokryl. Trudy LIETIN no. 4:166-173 '60.

Clinical aspects of choroidal and retinal vascular pathology in rheumatic fever [with summary in English]. O. I. Shershevskaia. Vop. revm. 2 no. 3:73-77 JI-S '62.

EYE—TENSION see Intraocular pressure

EYE—WOUNDS AND INJURIES

Immediate and late results of the use of a suture on a penetrating wound of the eye [in Georgian with summary in Russian]. N. Beradze, G. Dzindzhikhadze. Trudy Tbil. GIDUV 6:247-254 '62.

FAÇADES

Automatic unit for painting the façades of buildings. V. Voevodin. Stroitel' 9 no. 2:insert 4 p., 26 F '63.
Problems of the quality of large-panel buildings. L. Lopovok. Sov. arkh. no. 14:7-20 '62.

FAÇADES—MAINTENANCE AND REPAIR

Urelich, A. B. [Mechanized unit for repairing the façades of buildings] Mekhanizirovannaya ustanovka dlia remonta fasadov zdani. Leningrad, 1962. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 21)

FACIAL PARALYSIS see Paralysis, Facial

FACTORIES—DESIGN AND CONSTRUCTION

Is this the correct way to build? N. Serebriannin. Mest. prom. i khud. promysl. 3 no. 12:22-23 D '62.

FACTORIES—EQUIPMENT AND SUPPLIES

Use funds designated for production improvement more efficiently. V. Mamonov. Den. i kred. 21 no. 1:34-39 Ja '63.

FACTORIES—FIRES AND FIRE PREVENTION

Smirnov, V. M. [Automation and the fire safety of technological processes] Avtomatika i pozharnaya bezopasnost' tekhnologicheskikh protsessov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 109 p.

FACTORY LIBRARIES

After the example of Vera Ivanova. S. Erashkina. Klub 12 no. 7:15-16 JI '62.

Congratulations, tractor-plant employees! Klub 11 no. 4:22-24 Ap '62.

"Selection of book inventories for trade-union libraries" by N. S. Tomakhin. Reviewed by N. Babozorov. Klub 11 no. 4:37 Ap '62.

With combined forces. R. Ushakova. Klub 12 no. 1:16-17 Ja '63.

FACTORY MANAGEMENT

Kata, G. B. [Preparation in the making of new products] Podgotovka proizvodstva novoi produktii. Moskva, Ekonomizdat, 1962. 80 p.

Profession of an engineer administrator. G. G. Podzolov. Vest. vye, shkoly 21 no. 1:64-65 Ja '63.

Technical conference on intrafactory conveying and storing. S. I. Kul'pin. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:82-83 '63.

FACTORY SANITATION—BIBLIOGRAPHY see Bibliography—Factory sanitation

FAIRY TALES

A. N. Ostrovskii's "Snow White" and the folk fairy tale. Zh. V. Kulish. Rus. folk. 7:106-114 '62.

FALLOWING

Effectiveness of a complex of cultivation practices in spring for winter grains sown in clean fallows and unfallowed fields. A. Kucherov. Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:41-44 '62.

FALSE HELLEBORE AS FEED
Is false hellebore poisonous? Ia. I. Afanas'ev. Zhivotnovodstvo 23 no. 7:57 JI '61.

FALSE INDIGO see subdivision under Bryansk Province

FANS, MECHANICAL

Automatic control of a ventilation and drainage apparatus. M. D. Filchenkova, A. V. Zledeev. Ugol. prom. no. 6: 48-53 N-D '62.

Improving the fastening of a fan spindle. F. Solov'ev. Avi. transp. 41 no. 1:53 Ja '63.

Power losses in centrifugal ventilators [with summary in English]. H. O. Babuk, V. V. Pak. Dop. AN URSS no. 12:1616-1621 '62.

FAR EAST—ATMOSPHERE

Relation of the winter synoptic processes in Eastern Asia and the adjacent part of the Pacific Ocean to the general circulation of the atmosphere. L. R. Sen'kin. Trudy GGO no. 133:73-83 '62.

FAR EAST—GEOLOGY, STRUCTURAL

Structural plan of the Japan-Okhotsk geosynclinal area and the position of Sakhalin in it. S. N. Aleksichuk. Sov. geol. 6 no. 12:16-20 D '62.

FAR EAST, SOVIET see Soviet Far East

FARM BUILDINGS

(see also subdivision under Tashkent Province; Transcarpathia)

"Construction of buildings for stock." Reviewed by D. Borysov. Shi. bud. 13 no. 2:23 F '63.

Contributions of the State Institute for the Planning of Rural Construction of the R. S. F. S. R. to rural buildings. M. Mikhailchenkov, P. Bukreev. Sel'. stroit. 15 no. 3:27 Mr '60.

Kotov, I. G. [Introducing industrial methods into agricultural construction] Organizatsiia sel'skokhoziaistvennogo stroitel'stva industrial'nymi metodami; stenogramma lektsii. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 34 p.

On the "Ostankino" State Farm. V. L'vov. Sel'. stroit. 15 no. 3:8-9 Mr '60.

FARM BUILDINGS—HEATING AND VENTILATION

Best ventilation system for livestock farms. K. M. Malinin. Veterinarlia 37 no. 7:17 J1 '60.
Ventilation of pigsties with a heated air flow. N. M. Komarov, F. G. Torpakov, A. M. Slavin. Veterinarlia 37 no. 7:75-78 J1 '60.

FARM BUILDINGS—STANDARDS

"General plans for agricultural enterprises. Standards for their design." Blud.strof.tekh. 20 no. 2:6-11 F '63.

FARM EQUIPMENT

Automatic drinking bowls without metal pipes. V. I. Moroz, I. T. Shiriaev, L. L. Khazanet, Mashinostroenie no. 6:72-74 N-D '62.

FARM MANAGEMENT

(see also subdivision under Barabinsk District; Leningrad Province; Virgin Territory)

Indices and methods for evaluating the work results of collective and state farms. A. Kazanskii and others. Plan.khoz. 40 no. 3:49-58 Mr '63.

"Land organization planning." edited by S. A. Udachin. Reviewed by M. Gendal'man and others. Ekon.sel'khoz. 34 no. 2:110-123 F '63.

The management of production is the concern of all workers. M. Mitrokhin, P. Pavlov, Polit.samoobr. 6 no. 10:101-112 O '62.

Methodology of the economic analysis of the administrative operations of collective and state farms. T. Mitushkin. Ekon.sel'khoz. 34 no. 2:35-46 F '63.

Production planning on collective and state farms. Potentialities for increasing agricultural production. P. Viktorov. Polit.samoobr. 6 no. 10:113-121 O '62.

There is a lot of work waiting for us in the village. I. Shkurnov. Sov.profsoyuzy 19 no. 5:1-3 Mr '63.

FARM MANURE see subdivision under Armenia

FARM MECHANIZATION

(see also subdivision under Brest Province; Gatchina region; Korsun'-Shevchenkovskiy District; Kostanay Province; Lazovsky District; Orenburg Province; Ukraine; Uzbekistan; White Russia; Zhitomir Province)

Achievement is not a limit. V. Pervitskii. Agitator no. 2:39-42 Ja '63.

The amount of work has been cut in half. L. Gorahkov, S. Kocher, A. Filippov. Tekh. v sel'khoz. 22 no. 12:24-26 D '62.

"As a slender birch in your backyard." D. Ivashchenko. Mol. komm. no. 5:83-91 My '62.

Economic and technical basis for the transition of agricultural labor into a form of industrial work. A. Dantlov. Komm. Uz. 35 no. 1:57-64 Ja '63.

Gorashkin, M. I. [Economic basis of the methods of agricultural mechanization] Ekonomicheskoi osnovaniye spetsial'noy mekhanizatsii sel'skokhozyaistvennogo proizvodstva. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 282 p. (CU)

How much a hectare yields depends on the farmer. I. Zhirnov. Sov.profsoyuzy 19 no. 4:4-6 F '63.

Innovations in farm mechanization abroad. Mashinostroenie no. 6:81-88 N-D '62.

Manukovskii, N. F., and others. [Over-all mechanization of corn growing and harvesting] Kompleksnaya mekhanizatsiya vozdeleyvaniya i uborki kukuruzy. Moskva, Proftekhizdat, 1962. 118 p. (DNAL)

Role of technological progress in the growth of agricultural labor productivity. S. Kolesnev. Sots.trud 7 no. 6:13-23 Je '62.

Sergayev, S. V. [For over-all mechanization] Za kompleksnuyu mekhanizatsiyu. [Leningrad] Lenizdat, 1962. 21 p. (Vse novoe, peredovoe - na polia i fermy) (DNAL)

Training and using engineering personnel. M. Rybakov. Nar.khoz.Kazakh. 20 no. 11:60-63 N '62.

FARM MECHANIZATION—CONGRESSES

Conference of the workers of the research institutes of agricultural mechanization and electrification. V. Moiseev. Ekon.sel'khoz. 34 no. 2:107-100 F '63.

FARM MECHANIZATION—STUDY AND TEACHING (see also subdivision under Chita Province; Chuvashia; Moscow Province; North Kazakhstan Province; Omsk Province; Stavropol Territory)

Aid for compulsory education in farm mechanization. A. Petrov. Prof.-tekh.obr. 20 no. 1:23 Ja '63.

Branches of farm mechanization schools. I. Smirnov, V. Lesnikov. Prof.-tekh.obr. 19 no. 11:3-4 N '62.

Efficiency of lessons. I. Vlasov. Prof.-tekh.obr. 19 no. 11:8-10 N '62.

Efficient organizing. V. Timoshchenko. Prof.-tekh.obr. 20 no. 1:23 Ja '63.

Every collective and state farm should have a permanent staff of machine operators. Prof.-tekh.obr. 20 no. 2:1-2 F '63.

Let's give more attention to machine operators! I. Trushnikov. Prof.-tekh.obr. 20 no. 1:21 Ja '63.

Machine operators for Cuba. I. Bondarev, K. Musienko. Prof.-tekh.obr. 20 no. 2:9 F '63.

Organizing productive work of students with agricultural machinery and tractors. I. G. Kitaev, M. K. Balin. Shkola i protzv. 6 no. 9:31-35 S '62.

Participation of students in class. V. Eremin. Prof.-tekh.obr. 20 no. 2:9-11 F '63.

Training of drivers. A. Bogachkin. Prof.-tekh.obr. 19 no. 11:10-11 N '62.

Vocational education for rural youth. F. I. Kochurov. Vech.sred.shkola 5 no. 5:54-60 S-O '62.

We are training the staff of machine operators. N. Sarybekov. Shkola i protzv. 6 no. 8:89 Ag '62.

We should organize the institutes of agricultural engineering. G. Shepechenko, S. Podlipskii. Kommunist 39 no. 4:126-127 Mr '63.

FARM PRODUCE—STORAGE

Installation of very simple storehouses made of ice. V. Shchelokov. Stroitel' 8 no. 2:31 F '62.

FARMERS see subdivision under United States

FARMS—WATER SUPPLY

Water pumping equipment for farms. M. Kundzich. Tekh. v sel'khoz. 22 no. 7:37-42 J1 '62.

FASCISM see subdivision under United States

FASHION

Artist's notes on fashion. A. Rusina. Sov.torg. 36 no. 10:60-61 O '62.

Fashion silhouettes. S. Zandberg. Mest.prom.i khud.promys. 4 no. 2:20-21 F '63.

Fashions. Rab.i slal. 39 no. 1:3 of cover Ja '63.

Foreign fashion styles. Mest.prom.i khud.promys. 3 no. 1:36-39 Ja '63.

[Season's fashions; spring-summer] Mod.sez. no. 1 verna-letu '63.

PASSAITE—ANALYSIS see subdivision under Vilyuy Valley

FASTENINGS

Fastening of parts for the measurement of small holes. P. U. Markov. Izv. tekhn. no. 2:22 F '63.

FASTOV—MURDER

Murderers were punished. P. Romanenko. Rad.pravo no. 5:59-60 S-O '62.

FASTOV—SECURITY

Strangers. V. Kyslenko, Voioy, stoist 3 no. 2:19-21 F '63.

FASTS AND FEASTS—ORTHODOX EASTERN CHURCH

Almazov, S. F., and P. I. A. Pitereski. [Fasts of the Orthodox Church] Prazdniki Pravoslavnoi tsarkvi. Moskva, Gospolizdat, 1962. 251 p.

FAT

Glycogen and fat in different phases of the life cycle of trematodes. Part 2: Biological role of glycogen and fat [with summary in English]. T. A. Ginetinskaya, A. A. Dobrovolskii. Vest. LGU 18 no. 3:23-33 '63.

FATIGUE

Effect of air conditioning on the degree of fatigue of workers in spinning workshops. N. A. Aleutskii. Izv. vys. uchob. zav.; tekhn. tekst. prom. no. 6:126-129 '62.

How to reduce fatigue during work [translated from the Polish]. Barbara Rybicka. Okhr.truda i zots.strakh. 6 no. 2:39-40 F '63.

FATIGUE TESTING MACHINES

Unit for fatigue testing of specimens subjected to longitudinal vibrations. B. A. Griaznov, I. A. Troian. Mashinostroenie no. 6:89-90 N-D '62.

FATTY ACIDS see Acids, Fatty

FAYALITE see subdivision under Kurama Range

FEAR

Border line between the pathological and physiological fear reaction. I. A. Landau. Prak.sudebnopsikh. ekspert. no. 4:32-37 '61.

FEACES—ANALYSIS

Method of obtaining coprocultures in the diagnosis of abdominal typhus. M. L. Kuz'minova and others. Nauch.trudy uch.i prak.vrach. Uzb. no. 3:140-144 '62.

Mikhailova, N. D. [Manual for coprological studies] Posobie po koprologicheskim issledovaniyam. Leningrad, Medgiz, 1962. 145 p. (Biblioteka prakticheskogo vracha)

(DNLM)

FEDCHENKO GLACIER—GLACIOLOGICAL RESEARCH

Five men went to the sky. David Markish. Ogonek 40 no. 5:16-17 D '62.

FEDERAL GOVERNMENT

Brief news. Rad.pravo no. 1:152-155 Ja-F '63.

FEDERATION OF RHODESIA AND NYASALAND see Rhodesia and Nyasaland

FEDOSEEV, NIKOLAI EVGRAFOVICH, 1870-1898

Nikiforov, G. P. [The young eagle; an account of the life of N. E. Fedoseev in Vladimir] Orel molodoi; ocherk o zhizni N. E. Fedoseeva vo Vladimire. [Vladimir] Vladimirskae knizhnoe izd-vo, 1962. 174 p. (MH)

FEED GRINDERS

The AK-1, 2 small-sized combined fodder mixing machine. I. Eliseev, L. Polonskii. Tekh. v sel'khoz. 22 no. 12:18-21 D '62.

FEED MECHANISMS

Characteristics of charging arrangements in refractories manufacture. V. E. Vernikovskii. Ogneupory 26 no. 3:106-111 '63.

Chilaev, G. A. [Mechanization of fuel supply and ash removal in industrial boiler systems] Mekhanizatsiya toplivopodachi i zoloudaleniya promyshlennykh kotlovnykh. Moskva, Mashgiz, 1962. 137 p.

Reliability of automatic feed mechanisms for the automation of operating equipment. B. A. Usov. Izv. vys. uchob. zav.; mashinost. no. 6:121-130 '62.

FEED MECHANISMS—HYDRAULIC DRIVING

Determination of the basic parameters of a small hydraulic feed controller with a minimum variation coefficient for movable rigs. M. A. Garibov. Azerb.neft.khoz. 41 no. 7:43-45 J1 '62.

FEED MECHANISMS—MAINTENANCE AND REPAIR

Build-up welding of the feed mechanism carriage of a pilgrim mill. A. E. Zakharov, I. U. V. Tita. Avtom. svar. 16 no. 1:82-83 Ja '63.

FEED MILLS see subdivision under Tallinn

FEED WATER

An efficient system for collecting condensate in industrial systems. V. G. Grigorov. Prom.energ. 18 no. 2:26-28 F '63.

Installation of rectifiers with solenoid drives for automatic control of the circulation of centrally heated water. A. S. Tluchinskii. Prom.energ. 18 no. 2:8 F '63.

FEED-WATER PURIFICATION

"Desalination of the water from the Neva River by filtering it through a magnesium sorbent." V. A. Klichko. Teploenergetika 10 no. 2:93 F '63.

Hydrazine treatment of the feed water of once-through boilers. D. I. A. Kagan, T. A. Kaganer. Elek.sta. 34 no. 1:81-83 Ja '63.

Investigating the various methods of controlling scale formation and corrosion of metals. I. G. Chen(Ch'eng) and others. Koks i khim. no. 1:46-51 '63.

Jet interceptors in the filters of a chemical feed water purification system. I. I. Lishak. Energ. i elektrotekh. prom. no. 4:63-64 O-D '62.

Magnetic treatment of water for boilers. I. A. B. Sokolovskii. Vod.i sanit.tekh. no. 2:11 F '63.

Mass transfer in thermal deaeration columns with disordered packing. I. K. Grishuk. Teploenergetika 10 no. 2:54-60 F '63.

Use of an external washing-separating device for the improvement of distillate quality. V. Bespalov. Mor. flot 23 no. 2:25-27 F '63.

Use of ultrasonics and a magnetic field in removing sludge from feed water. M. I. A. Pollanskii. Izv. vys. uchob. zav.; energ. 6 no. 1:70-76 Ja '63.

FEEDS

(see also subdivision under Khorol District)

Betazine in fattening farm animals. K. A. Orlov, A. A. Uliniskii. Zhivotnovodstvo 23 no. 7:79-81 J1 '61.

New working parts of a fodder distributing vehicle. V. Kalashnik. Tekh. v sel'khoz. 22 no. 12:21-23 D '62.

FEEDS—COMPOSITION

Amino acid composition of feeds. I. S. Popov. Zhivotnovodstvo 23 no. 7:3-15 J1 '61.

FEEDS—DISINFECTION

Disinfection of bulk feeds. T. E. Budreiev, V. G. Zhitov. Veterinarlia 38 no. 10:64-65 O '61.

FELDSPAR

Losses of radiogenic argon in potash-soda feldspars during heat activation. S. B. Brandt, E. N. Barinitskii. Izv. AN SSSR. Ser. geol. 27 no. 12:23-31 D '62.

Remarks on the optical determination of structural-optical types of K-Na feldspars [with summary in English]. V. V. Smirnov. Vest. LGU 17 no. 24:152-155 '62.

FELON (DISEASE)

Treatment and eradication of felon in sheep. G. S. Kuznetsov. Veterinarlia 38 no. 10:44-46 O '61.

FELT

Using staple viscous rayon fibers in the manufacture of felt. M. I. Shmerlin. Leh.prom. no. 3:83-84 Je-Ag '62.

FEMUR—FRACTURE

Osteosynthesis of a subcapital fracture of the femoral neck combined with fractures through and under the trochanter of the femur. P. N. Petrov. Klin.khir. no. 12:63-64 D '62.

- FEMUR — FRACTURE** (Continued)
Results of conservative treatment in fractures of the femoral neck in old age during a stay in a hospital [in Georgian with summary in Russian]. V. A. Kolava. Trudy Tbil. GIDUV 6:435-443 '62.
- FEODOSII**, Bishop of Chernigov, 1927—
Address of His Holiness Patriarch Aleksei upon bestowing the prelate's cross on Feodosii, Bishop of Chernigov. Zhur. Mosk. Patr. no. 1:18-19 Ja '63.
Nomination and ordination of Archimandrite Feodosii (Pratsiuk). Zhur. Mosk. Patr. no. 1:19-21 Ja '63.
- FEOFAN THE GREEK**
"Feofan The Greek and his school" by V. N. Lazarev. Reviewed by E. Nemirovskii. Iskustvo 25 no. 11:72-73 '62.
- FERGANA—AGRICULTURE, PRIMITIVE**
Zadneprovskii, I. A. [Ancient farming in Fergana] Drevnezemledel'cheskaya kultura Fergany. Moskva, Izd-vo Akad. nauk SSSR, 1962. 327 p. (Materialy i issledovaniia po arkheologii SSSR, no. 118)
- FERGANA—COST AND STANDARD OF LIVING**
Everything should be done for the welfare of man. G. Skorobogatov. Part. zhizn' [Uzb.] 6 no. 1:47-50 Ja '63.
- FERGANA—GEOLOGY, STRATIGRAPHIC**
Age of the Bactrian series of southwestern Fergana according to paleontological data. N. N. Bakun, E. A. Vangengeim. Dokl. AN SSSR 148 no. 2:400-402 Ja '63.
- FERGANA—LEGAL AID**
Community workers as active assistants. M. Asherson. Ochr. truda i sots. strakh. 6 no. 2:11-12 F '63.
- FERGANA—PETROLEUM**
Production of low pour point diesel fuels from Fergana oils by the method of carbamide dewaxing. V. V. Usachev, P. P. Dmitriev, S. I. Geifen. Uzb. khim. zhur. 6 no. 5:67-78 '62.
- FERGANA—SOIL CHEMISTRY**
Copper and its forms in irrigated Fergana Valley soils. F. Kh. Gainudinova, E. K. Kruglova. Uzb. khim. zhur. 6 no. 6:23-27 '62.
- FERGANA—WATER RESOURCES DEVELOPMENT**
Reporting from the sea bottom. Leonid Babin. Uzbekiston 22 no. 1:10-11 Ja '63.
- FERMENTATION**
Fermentation method of soaking and depilation of hides and skins. S. G. Ponomarev and others. Lekh. prom. no. 3:31-34 Ja-Ag '62.
Theory of the continuous alcohol fermentation process of wood hydrolyzates and sulfite liquors. K. P. Andreev. [Trudy] NTO bum. i der. prom. no. 8:208-213 '69.
- FERMI SURFACES**
Electrons in metals: a short guide to the Fermi surface. Part 3: Dynamics of Bloch electrons and the calculation of the band structure [translated from the English]. J. M. Ziman. Usp. fiz. nauk 79 no. 2:319-332 F '63.
- FERRATES**
Domain structure of single crystals in magnesium-manganese ferrites. A. I. Drokin, V. D. Dylgerov. Fiz. met. i metalloved. 15 no. 1:128-132 Ja '63.
Ferrites in the system MgO-MnO-Fe₂O₃ with Sc₂O₃ addition. D. E. Bondarev, I. V. Basikhin. Dokl. AN SSSR 148 no. 2:365-368 Ja '63.
Use of ferrites in solving problems of measurement techniques. G. B. Bogdanov. Izv. tekhn. no. 1:33-37 Ja '63.
- FERRATES—MAGNETIC PROPERTIES**
Investigating the magnetic properties of binary systems of mixed lead-barium and lead-strontium ferrites. E. S. Borovik, N. G. Iakovleva. Fiz. met. i metalloved. 15 no. 1:151-153 Ja '63.
Investigating the magnetoelastic effect in ferrites. L. N. Syrkina, A. K. Ivukina, T. S. Podkuiko. Fiz. met. i metalloved. 14 no. 6:808-813 D '62.
Investigation of nickel-cadmium ferrites in the transition region. V. I. Chechernikov. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:20-23 Mr-Ap '62.
- FERRIES**
Automobile ferry. M. G. Shmakov. Sudostroenie 29 no. 2:1-3 F '63.
- FERRITES** see Ferrates
- FERRITINE—ABSORPTION SPECTRA**
Absorption spectra of some derivatives of ferrocene. E. M. Iavorskii and others. Dokl. AN SSSR 149 no. 1:111-113 Mr '63.
- FERROGENEDICARBOXYLIC ACID**
Reaction of the methyl esters of mono- and dicarboxylic acids of ferrocene with α - and β -magnesium haloalkylsilanes. A. D. Petrov, E. B. Sokolova, G. P. Bakunichik. Dokl. AN SSSR 148 no. 3:588-590 Ja '63.
- FERROELECTRICITY**
Resonance phenomena in magnetomaxial single crystals of ferroelectrics having a domain structure. K. B. Vlasov, L. G. Onoprienko. Fiz. met. i metalloved. 15 no. 1:45-54 Ja '63.
- FERRROMAGNETIC RESONANCE**
Ferromagnetism of organic structures. L. A. Blumenfeld. Dokl. AN SSSR 148 no. 2:361-364 Ja '63.
Theory of ferromagnetic and antiferromagnetic resonance [with summary in English]. V. N. Gankin, V. M. Fain. Izv. vys. ucheb. zav. radiofiz. 5 no. 6:1115-1122 '62.
- FERRROMAGNETISM**
Complex ferromagnetic materials with strong internal friction. B. F. Rothenstein, A. P. Munteanu, A. F. Sif. Metalloved. i term. obr. met. no. 1:12-15 Ja '63.
Magnetic characteristics for the evaluation of properties of ferromagnetic materials. G. V. Zarembo, Z. S. Koroleva. Zav. lab. 29 no. 3:309-312 '63.
Magnitude estimation of the exchange integral in ferromagnetics. V. I. Ivanovskii. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:80-81 Mr-Ap '62.
Nuclear magnetic resonance theory in ferro- and antiferromagnetic materials. I. U. M. Seidov. Fiz. met. i metalloved. 15 no. 1:32-35 Ja '63.
Selective measuring of small changes in the parameters of a ferromagnetic cylinder by the method of eddy currents. I. E. Korshchinskaya, N. M. Rodigin. Fiz. met. i metalloved. 15 no. 1:72-75 Ja '63.
- FERRROMANGANESE**
Making 30G1 steel with addition of ferromanganese in the ladle. M. A. Druian and others. Lit. proizv. no. 7:8 JI '62.
- FERRROMANGANESE—METALLURGY**
Accelerating the blast furnace smelting of ferromanganese. T. A. Tuluevskaia, S. I. TSipko. Stal' 23 no. 1:11-12 Ja '63.
- FERRROSILICON—ELECTROMETALLURGY**
Effect of the granulometric composition of charge mixture materials on the process of making 75 percent ferrosilicon. V. A. Kravchenko, A. A. Serebrennikov. Stal' 23 no. 1:46-50 Ja '63.
Making 75 percent ferrosilicon with molded coke. A. A. Serebrennikov and others. Stal' 23 no. 1:44-46 Ja '63.
- FERSITE** see subdivision under Il'men' Mountains
- FERTILITY**
Dynamics of the fecundity in fishes as exemplified by the roach *Rutilus rutilus* (L.). V. D. Spanovskaya, V. A. Grigorash, T. N. Liagina. Vop. ikht. 3 no. 1:87-93 '63.
- FERTILIZATION OF PLANTS**
Grindel', E. K. [Origin of anthophilous habits in insects] Proiskhozhdenie antofilii u nasekomykh. [Leningrad] Izd-vo Leningrad. univ., 1962. 185 p.
Nazarenko, I. I., and A. K. Smikhun. [Bees and crops] Bdzholi i vrozha. [Odessa] Odes'ke knyzhkov vyd-vo, 1960. 29 p. (DNAL)
- FERTILIZER SPREADERS**
Mechanization of humus hauling and spreading operations. A. Solovchik. Tekh. v sel'khoz. 22 no. 12:11-13 D '62.
The RS-8 self-loading distributor of liming materials. V. V. Kulikov. Biol. nauch.-tekhn. inform. SZNIISKH no. 3:61-63 '58.
A system for spreading liquid toxic fertilizers. K. Korolenko, V. Sokolov, A. Luk'ianchuk. Tekh. v sel'khoz. 22 no. 12:73-74 D '62.
Working parts for placing liquid nitrogen fertilizers in soils. A. I. U. Abdumullov. Nauch. trudy UzNIIME no. 4:16-21 '59.
- FERTILIZERS AND MANURES**
(see also subdivision under Moldavia; Russia, Northwestern)
Bodrova, E. M., and Z. D. Ozolina. [Organic fertilizers and their use] Organicheskie udobreniia i ikh ispol'zovanie. Moskva, Izd-vo M-va sel'khoz. RSFSR, 1961. 193 p. (DNAL)
Gurevich, S. M. [Effect of mineral fertilizers on deep Chernozems] Delatvie mineral'nykh udobrenii na mozhchnom chernozeme. Moskva, Goskhimizdat, 1962. 254 p. (DNAL)
A machine for picking up and haling of bedding peat. V. Savkin. Tekh. v sel'khoz. 22 no. 12:39-41 D '62.
Physiological principles of the application of herbicides together with fertilizers. A. G. Semenov. Nauch. trudy Ukr. nauch.-issl. inst. fiziol. rast. no. 23:184-189 '62.
Pozin, M. E., and B. A. Kopylov. [New methods of preparing mineral fertilizers] Nove metody polucheniia mineral'nykh udobrenii. Leningrad, Goskhimizdat, 1962. 233 p. (DNAL)
Preparation of dry granulated nitrophoska from pulp in an apparatus with a fluidized bed. N. A. Shakhova, A. I. Rychkov. Khim. prom. no. 11:839-842 N '62.
- Row placement of granulated superphosphate [with summary in English]. V. M. Motkin. Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:104-120 '60.
A scraper system for manure removal. V. Nazimov, L. Panov, M. Fridman. Tekh. v sel'khoz. 22 no. 12:27-28 D '62.
Sirotnin, I. P. [Phosphate meal and its use] Fosforitnaya muka i ee primeneniie. Moskva, Sel'khozizdat, 1962. 86 p. (DNAL)
- FETUS**
Identification of agglutinogens of the ABO isoserological system and P agglutinin in the body tissues of human fetuses. M. A. Bronnikova and others. Sud.-med. ekspert. 6 no. 1:37-39 Ja-Mr '63.
- FETUS—BLOOD SUPPLY**
Valves of facial veins in the human fetus. P. M. Kievskaya. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:81-83 '58.
- FEUDALISM**
Characteristics of feudal land tenure in the second half of the 17th century. G. S. Lialina. Trudy MGAI 16:397-407 '61.
- FEVER**
Importance of a long subfebrile state in tuberculosis [with summary in English]. E. D. Petrov. Vrach. delo no. 11:48-52 N '62.
- FIBER GLASS** see Glass fibers
- FIBER GLASS REINFORCED PLASTICS** see Glass reinforced plastics
- FIBERBOARD**
Method of fastening fiberboard slabs together. V. Chubachenko. Stroitel' 9 no. 2:27 F '63.
- FIBERGLASS BOATS**
Small net fishing boat with hull made of glass-reinforced plastics. L. V. Pankov, N. A. Panfilov. Sudostroenie 29 no. 2:42-44 F '63.
- FIBULA** see subdivision under Kiev
- FIELD CROPS**
(see also subdivision under Moscow Province; Ukraine)
[Agriculture abroad: Plant culture] Sel'khoz. za rub. i Rast. 9 '62. (DNAL)
Experiments on winter sowing of spring crops. N. M. Valcev. Biol. v shkole no. 6:53-57 N-D '62.
Planting acreage of the U.S.S.R. in 1962. E. Kravchenko. Vest. stat. no. 2:43-48 '63.
- FIELD CROPS—DISEASES AND PESTS**
Methods of evaluating the damage done to farm crops by injurious insects. V. F. Pali. Sbor. ent. rab. no. 1:62-69 '62.
- FIELD CROPS—WATER REQUIREMENTS**
Petrov, N. S. [Physiology of irrigated farm crops] Fiziologiya oroshennykh sel'skokhoziaistvennykh rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 158 p. (Timiriazovskie chteniia, no. 14)
- FIELD EXPERIMENTS**
Sazanov, V. I. [Agricultural experimentation in plant growing and the methods used] Sel'skokhoziaistvennoe opytное dolo v rastenievodstve i ego metodika. Moskva, Sel'khozizdat, 1962. 111 p. (DNAL)
- FIELD MICE**
(see also subdivision under Alaska; Canada)
Colorimetric study of the variability of color in rodents under experimental conditions as related to the problem of hybrid populations. A. V. Pokrovskii, V. S. Smirnov, S. S. Shvarts. Trudy inst. biol. UFAN SSSR no. 20:15-28 '62.
Individual variability of color in two species of forest voles (*Clethrionomys rutilus* Pall. and *C. glareolus* Schreb.). V. N. Bol'shakov. Trudy inst. biol. UFAN SSSR no. 20:126-127 '62.
Individual variability of the speed of sexual maturation in female steppe voles (*Lagurus lagurus* Pall.). A. V. Pokrovskii. Trudy inst. biol. UFAN SSSR no. 20:121-123 '62.
Some characteristics of the geographical variability of rodents in a solid area as exemplified by field mice of the genus *Clethrionomys*. V. N. Bol'shakov, S. S. Shvarts. Trudy inst. biol. UFAN SSSR no. 20:29-44 '62.
- FIELD THEORY**
On the theory of compensating fields. G. A. Sokolik. Dokl. AN SSSR 148 no. 3:549-551 Ja '63.
Some computation formulas for determining secondary vertical derivatives of potential fields. V. N. Strakhov. Izv. AN SSSR. Ser. geofiz. no. 1:110-127 Ja '63.
Theory of the computation of second vertical derivatives of potential fields. V. N. Strakhov. Izv. AN SSSR. Ser. geofiz. no. 12:1772-1785 '62.

FELDBALL

Ivakhin, E. I. [Seven-man fieldball; manual for physical education groups] Ruchnoi miach 7:7; uchebnoe posobie dlia sektsii kollektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1962, 133 p.

FILMS, METALLIC see Metallic films

FILMS (CHEMISTRY)

Apparatus for the thermometric measurement of the rate of film-formation. G. V. Korolev, M. M. Mogilevich, V. S. Radugin. *Lakokras, mat. i kh. prim.* no. 1:57-60 '63.

FILMSTRIPS

Filmstrips in the lecture room. Kul't.-pros. rab. 23 no. 12:14-15 D '62.

Filmstrips tell the story. R. Gorskaia. *Klub* 12 no. 1: 35-37 Ja '63.

FILMSTRIPS—CATALOGING see Cataloging of filmstrips

FILTERS AND FILTRATION

(see also subdivision under France)

Effect of the conditions of mercerization and of cellulose quality on filterability during continuous mercerization. E. L. Tatevosian, T. P. Makarova, A. I. Meos, Khim. volokn. no. 1:30-33 '63.

Theory of fibrous aerosol filters. N. A. Fuks, I. B. Stechkina. *Dokl. AN SSSR* 147 no. 5:1144-1146 D '62.

FINANCE

(see also subdivision under Kazakhstan; Leningrad; United States; Verkhnechneprovsk District)

Decisions of the November Plenum of the Central Committee of the CPSU and the tasks of financial organs. V. Garbuzov. *Fin. SSSR* 37 no. 1:3-19 Ja '63.

In the Collegium of the Ministry of Finance of the U.S.S.R. *Fin. SSSR* 37 no. 1:91-94 Ja '63.

Increase the scope of efficiency work in financial organs. Kh. Khristichenovich and others. *Fin. SSSR* 37 no. 1: 62-68 Ja '63.

Molotov, D. S., and others. [Financing the national economy] Finansirovanie narodnogo khoziaistva. Moskva, Gosfinizdat, 1962, 319 p.

Tschil'nikov, G. M. [Problems of Soviet finance; theoretical studies] Voprosy sovetskikh finansov; ocherki teorii. Moskva, Gosfinizdat, 1962, 146 p.

FINANCE—BIBLIOGRAPHY see Bibliography—Finance

FINANCIAL EMPLOYEES

Develop the sprouts of the new, communist attitude toward work in every way possible. *Fin. SSSR* 37 no. 2: 3-7 F '63.

FINCHES

(see also subdivision under Finches)

Quantitative investigation of the characteristics of the spring growth of testes in some species of the finch family (Fringillidae). V. R. Dol'mik. *Dokl. AN SSSR* 149 no. 1:191-193 Mr '63.

FINES (PENALTIES)

Fines as a form of penalty. IE, Maliy. *Rad. pravo* no. 1: 103-104 Ja-F '63.

FINGERS—DISEASES

Comparative evaluation of the methods of surgical treatment and drainage of wounds in paronychia. P. I. Gurov. *Zdrav. Kazakh*, 22 no. 11:21-25 '62.

FINISHES AND FINISHING

Filler containing no oil. I. Markov. *Stroitel'* 9 no. 2: 14, 4 of cover F '63.

Oiling preparation for capron fiber. A. A. Temkina, S. A. Zhukova. *Khim. volokn.* no. 1:66-68 '63.

FINISHES AND FINISHING—EQUIPMENT AND SUPPLIES

New finishing equipment at the Exhibition of Achievements of the National Economy of the U.S.S.R. S. Levitin, N. Malin. *Stroitel'* 9 no. 2:20-21, 23-28 F '63.

FINKEL'SHEIN, BORIS NIKOLAEVICH, d. 1962

B. N. Finkel'shtein; an obituary. *Fiz. met. i metallized.* 15 no. 1: Ja '63.

Boris Nikolaevich Finkel'shtein. *Zav. lab.* 29 no. 3: 333-334 '63.

FINLAND—COMMERCE—RUSSIA

New trade relations between the U.S.S.R. and Finland. *Vnesh. torg.* 42 no. 1:8 '63.

FINLAND—DRAINAGE

On drainage practices for swampy soils in Finland. A. I. Mikhkiet, T. Kolvunen. *Gidr. i mel.* 14 no. 1:62-64 Ja '63.

FINLAND—FOREIGN RELATIONS—RUSSIA

Akhti Karjalainen's visit. *Nov. vrem.* 20 no. 9:2 Mr '63.

Saimaa Canal. V. Fedorov. *Agitator* no. 4:51-52 F '63.

FINLAND—HYDROELECTRIC POWER

Estilcev, A. M. [Hydroelectric power in Finland] *Gidroenergetika Finlandii*. Moskva, Gosenergoizdat, 1962, 86 p.

FINLAND, GULF OF—ICE-BREAKING VESSELS

Ice-breaker operations in the Gulf of Finland. V. Meleshko. *Mor. flot* 23 no. 2:22-23 F '63.

FINNO-UGRIAN LANGUAGES—TRANSLITERATION

Lytkin, V. I. [A unified scientific transcription of the Finno-Ugrain languages] *O ednoi nauchnoi transkriptsiit zvukov finno-ugorskikhazykov*. Moskva, Akad. nauk SSSR, 1960, 22 p.

FIR see subdivision under Georgia; Siberia

FIR—DISEASES AND PESTS see subdivision under Perm Province; Siberia

FIREBOATS

Smolin, V. N. [Happiness through difficulties] *Schastie trudnykh dorog*. Moskva, Voenizdat, 1962, 77 p.

FIREBRICK

New technique for lining cement kilns. A. P. Agurin. *Mont. i spets. rab. v stroi.* 25 no. 3:16-18 Mr '63.

Service conditions and wear characteristics of refractories in oxygen-blown converters. G. N. Kozin and others. *Ogneupory* 28 no. 2:71-78 '63.

FIREBRICK—STANDARDS

Revision of standards for runner and stopper bricks. R. L. Pevzner. *Ogneupory* 28 no. 3:125-128 '63.

FIREBRICK—TESTING

Testing of magnesite-chromite products in the arches of open-hearth furnaces. K. S. Nazarov. *Ogneupory* 28 no. 3:119-125 '63.

FIRECLAY

Simultaneous grinding and drying of fireclays in shaft mills. P. S. Potemkin and others. *Ogneupory* 28 no. 2:63-67 '63.

FIREPROOFING

Control of fireproof properties of finishing and decorative materials. N. S. Nosov. *Sudostroenie* 29 no. 2:74-75 F '63.

FIRESETTING, PATHOLOGICAL see Pyromania

FIRES IN MINES see Mine fires

FIRST AID IN ILLNESS AND INJURY

Ways to raise the qualifications of first aid physicians. M. A. Messel. *Zdrav. Ros. Feder.* 7 no. 1:16-20 Ja '63.

FIRST OF MAY see May day (Labor holiday)

FISH CULTURE

Student help to fisheries. A. M. Petrov. *Biol. v shkole* no. 5:64-66 S-O '62.

Survival of eggs of the Amur fall-spawning chum (Oncorhynchus keta (Walbaum) infr. autumnalis Berg) depending on the conditions and the way they are washed by water. A. M. Kol'gaev. *Vop. ikht.* 2 no. 4: 742-745 '62.

FISH CULTURE—STUDY AND TEACHING

Keeping migratory fish in an aquarium. N. T. Ivanova. *Biol. v shkole* no. 5:67-68 S-O '62.

FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

The IM 13-16 and LM 13-5 combined fat and meal processing units. V. E. Sakharov. *Biul. tekhn. -ekon. inform.* Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:59-60 '63.

FISH TAGGING

Results of tagging Cyprinus carpio L. in the lower course of the Volga River and in its delta. P. D. Nelovkin. *Vop. ikht.* 3 no. 1:103-170 '63.

FISHERIES

(see also subdivision under Egypt; Murmansk) "Commercial fishing techniques" by F. I. Baranov. Reviewed by B. P. Mantel'fel', M. P. Aronov. *Vop. ikht.* 2 no. 4:764-768 '62.

FISHERY LAW AND LEGISLATION

Some results of the 6th session of the Soviet-Japanese Commission on Fisheries. P. A. Moliseev. *Vop. ikht.* 2 no. 4:763-764 '62.

FISHERY PRODUCTS

Output of fishery products at the refrigeration plants could be increased. M. Makarov. *Sov. torg.* 36 no. 10: 22 O '62.

FISHERY PRODUCTS AS FEEDS

Ensilage of fish waste and substandard fish. Inst. Georilev, Nikola Kirov. *Zhivotnovodstvo* 23 no. 5:95-96 My '61.

FISHES see subdivision under Atlantic Ocean; Caspian Sea; Kakhovka Reservoir; Kuybyshev Reservoir; Rybinsk Reservoir; Virgin Territory

FISHES—ANATOMY

Effect of the viscosity of water on the variability in fishes. B. M. Mednikov. *Vop. ikht.* 2 no. 4:640-647 '62.

FISHES—BEHAVIOR

Effect of the formation of defensive conditioned reflexes on the reduced exposure of small fishes to predatory fishes. I. I. Giron. *Vop. ikht.* 2 no. 4:747-749 '62.

FISHES—EGGS

Biological differences in sturgeon eggs and their effect on the development of larvae in cultivation. K. I. Semenov. *Vop. ikht.* 3 no. 1:90-112 '63.

Effect of aironium-90 on the eggs and larvae of Coregonus lavaretus ludoga Pol [with summary in English]. G. F. Fedorova. *Vest. LGU* 18 no. 3:48-53 '63.

FISHES—EMBRYOLOGY see Embryology—Fishes

FISHES—FOOD

(see also subdivision under Karelia; Kuybyshev Reservoir; Ob' Bay; Ilga, Gulf of; Syamozero, Lake)

Attraction by light of organisms on which fishes feed. P. V. Mikhcev, E. V. Melner, V. P. Mikhcev. *Vop. ikht.* 2 no. 4:731-739 '62.

Availability of atherines to the nocturnal predator, the rockling Gaidropsarus mediterraneus L. under various light conditions. D. S. Pavlov. *Vop. ikht.* 3 no. 1:158-162 '63.

Calorie content of the dry matter of aquatic feed invertebrates. A. P. Ostapenko, A. I. Sergeev. *Vop. ikht.* 3 no. 1:177-183 '63.

Food of young Baltic herring (Clupea harengus membras L.) in the Aral Sea. N. K. Lukonina, N. E. Bykov. *Vop. ikht.* 2 no. 4:717-720 '62.

Materials on the food of the Barents Sea cod Gadus morhua morhua L. under experimental conditions. M. I. Tarverdieva. *Vop. ikht.* 2 no. 4:703-716 '62.

Validity of hydrobiological samples in evaluating food resources of fishes. G. I. Shpet, V. S. Rotovskaya. *Vop. ikht.* 2 no. 4:745-747 '62.

FISHES—GEOGRAPHICAL DISTRIBUTION

"Selected works. Vol. 5: General biology, biogeography and paleoichthyology" by L. S. Berg. Reviewed by A. A. Svetovidova. *Vop. ikht.* 3 no. 1:104-105 '63.

FISHES—MIGRATION

Methodological problems of ichthyological research; methods of studying fish migrations. I. F. Pravidin. *Trudy Kar. fil. AN SSSR* no. 33:62-69 '62.

FISHES—PARASITES see Parasites—Fishes

FISHES—PHYSIOLOGY

(see also subdivision under Rybinsk Reservoir)

Properdin content in fishes. V. I. Lukhianenko, G. A. Mikhceva. *Dokl. AN SSSR* 148 no. 2:469-472 Ja '63.

FISHES, FOSSIL

(see also subdivision under Donets Valley; Timan Ridge)

"Selected works. Vol. 5: General biology, biogeography and paleoichthyology" by L. S. Berg. Reviewed by A. A. Svetovidova. *Vop. ikht.* 3 no. 1:104-105 '63.

FISHING

(see also subdivision under Transcarpathia)

Fish is caught by sound. *Znan. sila* 37 no. 12:20 D '62.

Large and small, get caught... P. Pronin. *Sov. pech.* no. 8:34-35 Ag '62.

FISHING—EQUIPMENT AND SUPPLIES

(see also subdivision under Kuybyshev Reservoir)

Andreev, N. N. [Manual on fishing implements, nets and equipment] *Spravochnik po orudiam lova, setosnastym materialam i promyslovomu snaryazheniu*. Moskva, Pishchepromizdat, 1962, 503 p.

"Modern fishing gear of the world" [in English]. Reviewed by D. V. Radakov. *Vop. ikht.* 3 no. 1:195-197 '63.

FISHING BOATS

Small net fishing boat with hull made of glass-reinforced plastics. L. V. Pankov, N. A. Panfilov. *Sudostroenie* 29 no. 2:42-44 F '63.

FISHING NETS see subdivision under Kuybyshev Reservoir

FISTULA

Congenital umbilical fistulae [with summary in English]. E. A. Suslennikova. *Vest. khir.* 89 no. 11:107-112 N '62.

FISTULA, ANAL

Treatment of fistulous forms of rectal and anal atresia [with summary in English]. T. S. Iakovleva. *Vest. khir.* 89 no. 11:118-126 N '62.

FISTULA, BRONCHIAL

Foreign body in the pleural cavity for 15 years. The formation of an external bronchopleural fistula. V. G. Outiuk, V. V. Sichinava, A. G. Ternovento. *Klin. khir.* no. 11:70-80 N '62.

VETULA, VESICO-VAGINAL

Treatment of ureterovaginal fistulas, V. N. Vlasov, V. E. Milovidov. Nauch. trudy Chetv. Mosk. gor. klin. bol., no. 1:302-305 '61.

FIXTURES (MECHANICAL DEVICE) see Jigs and fixtures

FLAME

Determining the location of the maximum temperature and propagation velocity of a flame in turbulent flow of a homogeneous mixture [with summary in English]. V. S. Pelavan. Inzh. -fiz. zhur. 5 no. 12:9-15 D '62.

FLAMINGOS see subdivision under Kyzyl-Agach Preserve

FLATFISHES see subdivision under Baltic Sea; Soviet Far East

FLAX see subdivision under Kazakhstan; Narynzh District; Pskov Province

FLAX PROCESSING MACHINERY

Formation of rotted straw layers in the primary processing of flax. V. B. Levin. Izv. vys. ucheb. zav. i tekhn. tekhn. prom. no. 6:154-158 '62.

[Over-all mechanization of flax growing] Kompleksnaya mekhanizatsiya flaxnogo strova. [By] I. N. Bolotov i dr. Leningrad, Sel'khozizdat, 1962. 354 p. (DNAL)

FLEA BEETLES see subdivision under Estonia

FLEA BEETLES—EXTERMINATION see subdivision under Soviet Central Asia

FLIGHT

Circumspection during the flight. V. Pislolenko. Kryl. rod. 13 no. 7:16 J1 '62.

FLIGHT, UNPOWERED see Gliding and soaring

FLIGHT CREWS

They are five. A. Diagach. Grazhd. av. 19 no. 10:17 O '62.

FLIGHT TRAINING

Air pilot and voluntary instructor. Kryl. rod. 13 no. 7: 11 J1 '62.

Chasing two hares. B. Balozero. Grazhd. av. 19 no. 10:13 O '62.

For an objective flight evaluation. A. M. Samarin. Mor. sbor. 46 no. 2:60-65 F '63.

Kondratiev, P. V. [Manual for training helicopter pilots (sport aviation)] Posobie po podgotovke letchika vortolota (sportivnoi aviatzii). Moskva, Izd-vo DOSAAF, 1962. 174 p.

Working lad. M. Mikhailov. Kryl. rod. 13 no. 7:4 J1 '62.

FLOATING CRANES—MAINTENANCE AND REPAIR

Rope changing on RMZ floating cranes. S. Medvedik. Rech. transp. 22 no. 1:47 Ja '63.

FLOOD CONTROL—CONGRESSES

Mud torrents and their control; a conference in Baku. G. D. Rozhdestvenskiy. Vest. AN SSSR 33 no. 2:127-128 F '63.

FLOOR COVERINGS

Equipment for laying masticated polyvinyl chloride floor coverings. S. Gorodinskiy, V. Serychev. Na stroi. Ros. 3 no. 3:36-37 Mr '62.

Hygienic evaluation of plastic floor coverings. K. Stankovich. Zhil. stroi. no. 1:12-13 '63.

Polyvinyl acetate mastic compounds of increased quality for laying seamless floor coverings. V. G. Koshkin, V. I. Larkina. Stroi. mat. 9 no. 2:17-18 F '63.

FLOORS

(see also subdivision under Czechoslovakia; Rumania) Economical floors in livestock buildings. N. Arbuzov. Sel. stroi. 15 no. 3:19-20 Mr '60.

FLOTATION

Automatic level control of flotation concentrate in vacuum filter baths. E. K. Efimovich and others. Avtom. i prib. no. 3:21-23 J1-S '62.

Coal flotation. V. V. Voishillo, A. L. Vev, V. A. Shebanov. Blud. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:84-85 '63.

Effect of the degree of weathering on the floatability of coal. P. S. Migulla. Trudy Inst. gor. dela AN URSR no. 11:118-122 '62.

Investigating the flotation properties of diethene depending on its structural characteristics. I. K. Kamenov, S. K. Pironkov. TSvet. met. 36 no. 2:80-82 F '63.

Mechanism of the action of oleic acid oxidized by molecular oxygen in the selective flotation of titanium-zirconium sands. I. N. Plaksin, S. N. Dorokhina. Dokl. AN SSSR 148 no. 3:651-653 Ja '63.

FLOTATION—EQUIPMENT AND SUPPLIES

Collector action of certain substituted 2-mercaptobenzimidazoles. G. N. Turenkova, L. F. Lipatova, I. A. Postovskiy. TSvet. met. 36 no. 2:77-80 F '63.

Comparison indices for the performance of airlift, ejector, and mechanical flotation machines. V. M. Derevianskiy, L. L. Papushin, N. G. Bocharov. Koks i khim. no. 2:17-19 '63.

Conference inspection on accelerating the modernization and improvement of flotation machine design. TSvet. met. 35 no. 12:61-65 D '62.

New efficient flotation reagent 1,1,3-triethoxybutane. O. B. Braginakiy. TSvet. met. 35 no. 12:54-55 D '62.

FLOTATION—MEASUREMENT

Error compensation for pressure losses in measuring pulp density in pressure piping. V. V. Nesterov. Avtom. i prib. no. 3:39-41 J1-S '62.

FLOUR—STORAGE see subdivision under United States

FLOUR—TRANSPORTATION

Flour transportation without packaging. L. Zadorniy. Avt. transp. 41 no. 2:14-15 F '63.

FLOUR MILLS

(see also subdivision under Cuba; Leningrad; Moscow)

Glorious anniversary of the Great October Revolution. Muk. -elev. prom. 28 no. 11:1-2 N '62.

In honor of the 45th anniversary of the Great October Collectives of communist labor of the Novomoskovsk and Tula Milling Combines and the Omsk Groat Plant. V. Buvallo, P. Cherniaev, K. Shokhov. Muk. -elev. prom. 28 no. 11:3-5 N '62.

Large-scale invention and innovation at a new stage of development. M. Kvethiy. Muk. -elev. prom. 28 no. 11:7-9 N '62.

Letters to the editor. N. Shumskiy, F. Maksimov. Muk. -elev. prom. 28 no. 11:32-33 N '62.

FLOW OF WATER see Hydraulics

FLOWER ARRANGEMENT

Bring flowers to your house. Tat'iana Topilina. Sov. profsoyuz 19 no. 3:31 F '63.

FLOWERING OF PLANTS see Plants, Flowering of

FLOWERS

(see also subdivision under Moldavia)

Viability and the conditions of a prolonged storage of the pollen of ornamental flowering plants. V. N. Bylov, N. G. Grinkevich, Blud. Glav. bot. sads no. 45:38-46 '62.

FLOWMETERS

Acoustic pickup of the presence of a flow of fluid viscous and powdery materials. N. M. Rudnyi and others. Avtom. i prib. no. 3:55-58 J1-S '62.

Basic problems in the development and investigation of tachometer-type flowmeters. L. L. Boshniak. Izv. vys. ucheb. zav. i prib. 6 no. 1:103-112 '63.

Equations for the calculation of tapering flowmeters. S. S. Kivvits, V. E. Oleinikov. Izv. tekhn. no. 2:52-54 F '63.

Ultrasonic meter of unsteady flows. B. S. Zaitvadnyy. Priboirostroenie no. 1:22-23 Ja '63.

FLUID DYNAMICS

Concerning the movement of cotton particles in a gas flow. B. S. Krylov, A. P. Sorokin. Izv. vys. ucheb. zav. i energ. 6 no. 1:111-114 Ja '63.

Distribution of suspension concentrations in turbulent two-phase flows. V. S. Sinel'shchikov. Izv. AN SSSR. Otd. tekhn. nauk. Mekh. i mashinostr. no. 1:150-152 Ja-F '63.

Hydrodynamics of bubbling. D. S. Azbel'. Khim. prom. no. 11:854-857 N '62.

New developments in the theory of centrifugal spray nozzles. A. M. Prakhov. Teploenergetika 10 no. 2: 25-30 F '63.

FLUID MECHANICS

A model for nonequilibrium process in some problems of continuum mechanics. A. T. Omuriev. PMTF no. 1:47-56 Ja-F '63.

Motion of a gas behind a nonsymmetrical piston. M. P. Mikhailova. Dokl. AN SSSR 148 no. 1:61-63 Ja '63.

On the dynamic explosion of equilibrium in certain ideal media with a zero temperature gradient. N. N. Kochina. Dokl. AN SSSR 148 no. 1:57-60 Ja '63.

FLUID THERAPY

New cylinder for drop intravenous transfusion of fluids in combination with blood. N. Kh. Mallinskiy. Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:252-255 '61.

FLUIDIZATION

Automation of the process of drying of salts in an apparatus with a fluidized bed. P. A. Kulle, L. V. Lopachenok. Khim. prom. no. 11:805-808 N '62.

Calculating the coefficient of hydrodynamic resistance and fluidization rate of a polydisperse layer of spherical particles. M. B. Kondukov, V. M. Lindin. Khim. prom. no. 11:793-795 N '62.

Conditions for the stabilization of work of gas distribution units in fluid-bed reactors. E. M. Ustinov, A. N. Planovskiy. Khim. prom. no. 11:851-854 N '62.

Crystallization in a fluidized bed. V. A. Postnikov, L. N. Matusevich. Khim. prom. no. 11:802-805 N '62.

Determination of the entrainment of fine-grained material from a fluidized bed [with summary in English]. A. V. Amilin, A. M. Iakubson. Inzh. -fiz. zhur. 5 no. 12: 91-93 D '62.

Determination of the rate of the beginning of fluidization of some catalysts. G. N. Abaev, T. I. Guseman. Khim. prom. no. 11:796-798 N '62.

Drying and dehydration of salts in a fluidized bed with the recycling of materials. A. A. Mortlov and others. Khim. prom. no. 11:809-810 N '62.

Drying apparatus with a fluidized bed. P. G. Romankov and others. Khim. prom. no. 11:822-827 N '62.

Drying of flotation pyrite in a fluidized bed. E. V. Donat, G. K. Molokova. Khim. prom. no. 11:842-843 N '62.

Drying of pastelike materials and solutions in a fluidized bed. P. G. Romankov, N. B. Rashkovskaya. Khim. prom. no. 11:836-838 N '62.

Drying of the copolymer MSN (methyl methacrylate, styrene, and acrylonitrile) in a fluidized bed. N. A. Shakhova, R. I. Ryckov. Plast. massy no. 1:49-52 '63.

Generalization of the experimental data on hydrodynamics of a fluidized bed under pressure. E. A. Kazakova, R. Z. Khiterer. Khim. prom. no. 11:796-801 N '62.

Hydrodynamics of a fluidized bed in the interstitial channels of a packing [with summary in English]. A. P. Baskakov. Inzh. -fiz. zhur. 5 no. 12:48-53 D '62.

Innovations in the technique of drying of wet materials in a fluidized bed. B. S. Sazhin. Khim. prom. no. 11: 830-836 N '62.

Mathematical models of apparatus with a fluidized bed for thermochemical processes. I. A. Burovoi, A. G. D'iachko. Khim. prom. no. 11:788-793 N '62.

Mixing of solid particles in a fluidized bed. L. A. Vakhruшев, G. S. Erokhin. Khim. prom. no. 11:810-815 N '62.

Preparation of dry granulated nitrophoska from pulp in an apparatus with a fluidized bed. N. A. Shakhova, A. I. Ryckov. Khim. prom. no. 11:839-842 N '62.

Process of mixing of free-flowing materials in a fluidized bed obtained by the mechanical method. A. M. Lastovitsov, A. M. Khval'nov, I. I. Makarov. Khim. prom. no. 11:815-818 N '62.

Production of sulfur by the reduction of sulfur dioxide with coke in a fluidized bed. L. G. Ritter, V. S. Udintseva, L. L. Miroslubova. Khim. prom. no. 11: 844-848 N '62.

Some hydrodynamic properties of a fluidized bed of powdered catalysts. A. M. Grekova, N. Kh. Manakov, V. V. Minshteyn. Khim. i tekhn. topl. i masel 8 no. 1:4-10 Ja '63.

Suspended fluidized bed in an electric field. K. Dolchev, E. M. Stepanov. Izv. vys. ucheb. zav. i chern. met. 6 no. 1:174-178 '63.

FLUIDIZATION—EQUIPMENT AND SUPPLIES

Efficient system for the purification of gases in fluid-bed pyrite roasters. V. N. Uzhov. Khim. prom. no. 11:848-851 N '62.

Hydraulics and heat transfer in a fluidized bed with an upright tube bundle. N. I. Gel'perin, V. G. Ainshtein, N. A. Romanova. Khim. prom. no. 11:781-788 N '62.

Multizonal apparatus for carrying out processes in a fluidized bed. R. S. Fraiman, E. N. Gel'perin, A. A. Bobneva. Khim. prom. no. 11:827-830 N '62.

FLUORESCENCE

Effect of X-ray irradiation on the ultraviolet fluorescence of isolated nuclei and mitochondria. G. M. Barenboim, R. I. Pinto, K. I. Pravdina. Radiobiologiya 3 no. 1:8-12 '63.

Pyrazoles. Part 35; Fluorescence of pyrazoles induced by ultraviolet rays. I. I. Grandberg, S. V. Tabak, A. N. Kost. Zhur. ob. khim. 33 no. 2:525-533 F '63.

FLUORESCENCE MICROSCOPY

Ultraviolet fluorescence from liver cells in white rats during their embryonic development. E. M. Pili'shchik, M. V. Nikolaeva. Dokl. AN SSSR 148 no. 1:199-201 Ja '63.

FLUORIDES

Effect of fluorides on mineral formation in the system CaO-Al₂O₃-SiO₂. S. D. Okorokov, S. L. Golyenko-Vol'fson, T. N. Arkina. TSement 20 no. 1:7-9 Ja-F '63.

FLUORIMETRY

Use of the fluorometric method in studying the permeability of histohemetic barriers. I. U. A. Vladimirov, F. F. Litvin, L. B. Uchevskaya. Dokl. AN SSSR 148 no. 1: 227-230 Ja '63.

FLUORINATION

Mechanism of copper fluorination at high temperatures. I. U. A. Luk'ienychev and others. Dokl. AN SSSR 147 no. 5:1130-1132 D '62.

FLUORINE ISOTOPES

Extraction of indicator concentrations of hydrochloric acid with tributyl phosphate. Isolation of carrier-free fluorine-18 from a neutron-irradiated lithium salt. V. I. Levin, L. S. Kozyreva. Radiokhimiya 5 no. 1:41-49 '63.

FLUORITE see subdivision under Donets Basin

FLUOROSCOPIC DIAGNOSIS see Diagnosis, Fluoroscopic

FLUOSILICATES

Concentration of protactinium in materials with a high content of silicic acid. R. A. D'yachkova, V. I. Spitayn, Radiokhimiya 5 no. 1:106-110 '63.

FLUTE-PLAYERS, MECHANICAL see Automata

FLUX (METALLURGY)

Pidhalets'kiy, V. V. [Fluxes for mechanized electric welding] Fluxy dlia mekhanizovannogo elektrozvarivannia. Kyiv, Derzhtekhvydav USSR, 1961. 134 p.

FLYNN, ELISABETH HARLY, 1890-

Elisabeth Harly Flynn. E. Liubertskaia. Mir, ekon. i mezhdunar. otn. no. 1:131 '63.

FOAM GLASS see Glass, Cellular

FOLDS (GEOLOGY)

(see also subdivision under Karelin; Nakhichevan A.S.S.R.)

Geosynclinal theory in the light of modern geology. V. P. Vasil'kovskii. Trudy SNIIGGIMS no. 13:5-56 '60.

FOLIAGE see Leaves

FOLIC ACID

Joint participation of vitamin B12 and folic acid in purine synthesis. L. I. Areshkina and others. Dokl. AN SSSR 148 no. 3:704-707 Ja '63.

FOLK ART see subdivision under Latvia

FOLK ART, UKRAINIAN

A further step in the studies of folk art. B. Butnik-Sivers'kiy. Nar. tvorch. ta etn. 6 no. 3:147-149 Ji-S '62.

Secondary school students are studying folk art. K. K. Promenyts'kiy. Nar. tvorch. ta etn. 6 no. 3:131-136 Ji-S '62.

FOLK DANCE MUSIC, UKRAINIAN

Relations between Ukrainian folk music culture and the music of other nations. A. I. Iumentuk. Nar. tvorch. ta etn. 6 no. 3:90-96 Ji-S '62.

FOLK DANCING see subdivision under Ball

FOLK DANCING, UKRAINIAN

An ensemble of amateur dancers (conclusion). Z. Lur'ie. Sots. kul't. no. 2:29-30 F '63.

FOLK LITERATURE

Folklore motives in G. R. Derzhavin's poetry of the years around 1800. G. N. Ionin. Rus. fol'k. 7:82-86 '62.

P. V. Shein's collection "Great Russia in her songs, rites, customs, beliefs, tales, legends, etc. N. V. Novikov. Rus. fol'k. 7:313-327 '62.

Valerii Brusov and Russian folk literature. E. S. Litvin. Rus. fol'k. 7:136-152 '62.

FOLK LITERATURE—HISTORY AND CRITICISM

Against the nihilistic attitude toward the contemporary folk literature. F. I. Lavrov. Rus. fol'k. 7:153-163 '62.

Concerning F. I. Lavrov's article. L. I. Emel'ianov. Rus. fol'k. 7:164-170 '62.

M. N. Speranskii as folklore historian and theoretician. V. P. Anikin. Rus. fol'k. 7:241-258 '62.

Problems of the theory and history of folklore in the works of A. N. Veselovskii of the late 19th and early 20th centuries. V. E. Gusev. Rus. fol'k. 7:217-240 '62.

FOLK LITERATURE, CHINESE—BIBLIOGRAPHY see Bibliography—Folk literature, Chinese

FOLK MUSIC, UKRAINIAN

Letters to the editor. Sots. kul't. no. 2:20-21 F '63.

FOLK POETRY

Soviet literature and oral folk poetry. P. S. Vykhodtsev. Rus. fol'k. 7:3-25 '62.

FOLK POETRY, BURYAT

(see also subdivision under Verkholensk region)

Lyrical wedding songs in the Verkholensk region. I. Z. Iarnevskii. Etn. sbor. no. 2:106-114 '61.

FOLK POETRY, GEORGIAN

Soviet Georgian folk poetry. K. O. Sikharulidze. Nar. tvorch. ta etn. 6 no. 3:21-24 Ji-S '62.

FOLK SONGS

(see also subdivision under Kursk Province; Saratov Government)

A collection of lyrical songs compiled by P. V. Kireevskii in the thirties of the 19th century. Z. I. Vlasova. Rus. fol'k. 7:328-342 '62.

[Russian folk music; an anthology] Russkoe narodnoe muzykal'noe tvorchestvo; khrestomatia. Izd. 2. Moskva, Muzgiz, 1962. 280 p.

The Song Committee of the Russian Geographical Society. N. P. Kolpakova. Rus. fol'k. 7:354-366 '62.

FOLK SONGS—CENSORSHIP

From the censorial materials on folk songs. O. B. Alekseeva. Rus. fol'k. 7:374-376 '62.

FOLK SONGS, LITHUANIAN

Lietuvos TSR Mokslo akademija, Vilna. Lietuviu kalbos ir literaturos institutas. [Lithuanian folklore in five volumes] Lietuviu tautosaka; penki tomai. Vilnius, Valstybine politines ir moksline literaturos leidykla. [In Lithuanian]

Vol. 1. [Folk songs] Dainos. 1962. 834 p.

FOLK SONGS, SLAVIC—HISTORY AND CRITICISM

Rubtsov, F. A. [Intonational ties in the songs of Slavic peoples] Intonatsionnye svyazi v pesennom tvorchestve slavyanskikh narodov; opyt issledovaniia. Leningrad, Sovetskii kompozitor, 1962. 112 p.

FOLK SONGS, UKRAINIAN

Historical authenticity of the contents of revolutionary folk songs of the Western Ukraine, 1920-1939. V. O. Zamlynskiy. Nar. tvorch. ta etn. 6 no. 3:44-53 Ji-S '62.

Latent imitative polyphony in Ukrainian folk songs. T. S. Kravtsov. Nar. tvorch. ta etn. 6 no. 3:54-63 Ji-S '62.

FOLK-TALES see Legends

FOLKLORE

Basic principles for studies of Russian folklore of the Soviet epoch. O. D. Seimonov. Nar. tvorch. ta etn. 6 no. 3:13-20 Ji-S '62.

Folklore elements in the old Russian literature. L. I. Emel'ianov. Rus. fol'k. 7:26-43 '62.

Folklore elements in V. M. Garshin's work. D. M. Moldavskii. Rus. fol'k. 7:129-135 '62.

Folklore in N. A. Nekrasov's prose. A. N. Lur'e. Rus. fol'k. 7:99-105 '62.

Folklore in V. G. Korolenko's "Volga stories." V. K. Arkhangel'skaia. Rus. fol'k. 7:115-128 '62.

History of Russian folklore studies in Germany during the first half of the 19th century. E. Khoksel'shneider. Rus. fol'k. 7:276-292 '62.

FOLKLORE—BIBLIOGRAPHY see Bibliography—Folklore

FOLKLORE, ABKHAZIAN

Problems in the collection and study of Abkhazian folklore during the years of Soviet rule. Sh. Kh. Salakaia. Trudy Abkhaz. inst. iaz., lit. i ist. 32:105-114 '61.

FOLKLORE, KAZAKH

Women in works of Kazakh oral tradition [in Kazakh with summary in Russian]. S. Toiebaeva. Izv. AN Kazakh. SSR, Ser. filol. i isk. no. 3:37-43 '62.

FOLKLORE, WHITE RUSSIAN

Akhrymenka, P. P. [White Russian literature and folklore] Belaruskaiia literatura i fal'klor. Minsk, Vyd-va M-va vyshchishai, sherednai spetsyial'nal i profesional'nal adukatsyi BSSR, 1962. 141 p.

"Folklore and literature of White Russia in the epoch of feudalism, 14th to the 18th century" by S. I. Vasilenok. Reviewed by I. U. Ozerov, D. Ryzhenko. Nar. tvorch. ta etn. 6 no. 3:141-144 Ji-S '62.

FOLKLORE OF PLANTS see Plant lore

FOLKLORE STUDIES

(see also subdivision under Germany, Stanislaw Province)

Folklore and folklore studies during the years of the revolutionary activities in Russia, 1859-1861. V. G. Bazanov. Rus. fol'k. 7:189-216 '62.

Studies of the chetushki and some problems of the historiography of Russian folklore studies. S. G. Lazutin. Rus. fol'k. 7:259-275 '62.

FOOD—DRYING

Forms of moisture bonding with fibrous materials used in the food industry. V. V. Krasnikov. Trudy MTIPP 15:70-74 '60.

FOOD, CANNED

Determining chromium content of canned food. A. F. Molodchenko, A. I. Liubivskaia. Kons. i ov. prom. 18 no. 2:36-38 F '63.

FOOD, CANNED—PRESERVATION

Is it possible to lengthen the keeping time of canned food for children? V. V. Kosacheva. Kons. i ov. prom. 18 no. 1:12-15 Ja '63.

FOOD, CANNED—TESTING

Enlarged session of the Central Degustation Council. M. M. Shornikova. Kons. i ov. prom. 18 no. 1:42-45 Ja '63.

FOOD, FROZEN

Rate of crystallization of supercooled water in the freezing of by-products under vacuum. E. I. Ryzhova. Trudy MTIPP 15:87-70 '60.

FOOD CONTAMINATION

"Unnatural" color of some foodstuffs. V. L. Pavlov, O. A. Rozhenko. Sud.-med. ekspert. 6 no. 1:18-20 Ja-Mr '63.

FOOD INDUSTRY

(see also subdivision under Armenia; Crimea; Hungary; Leningrad)

Third Plenum of the Central Administration of the Scientific and Technical Society of the Food Industry. V. D. Iugovkin. Kons. i ov. prom. 18 no. 2:45-46 F '63.

Toward new achievements in the development of Soviet economics. Khleb, i kond. prom. 7 no. 1:1-4 Ja '63.

FOOD INDUSTRY—BIBLIOGRAPHY see Bibliography—Food industry

FOOD INDUSTRY—EMPLOYEES—MEDICAL CARE

Organization of professional medical examinations. E. A. Chernyi. Sov. zdrav. 22 no. 2:24-25 '63.

FOOD INDUSTRY—EQUIPMENT AND SUPPLIES

All-Union conference of the representatives of distilling industries and of the manufactures of food industry machinery. Spirit. prom. 29 no. 1:4-6 '63.

FOOD INDUSTRY—FINANCE see subdivision under Leningrad

FOOD INDUSTRY—SANITATION

Russia (1917- R. S. F. S. R.) Gosudarstvennyi komitet po delam mestnoi promyshlennosti i khudozhestvennykh promyslov. [Regulations on safety engineering and factory sanitation for meat and poultry processing plants, and glue and gelatin manufacturing enterprises] Pravila po tekhnike bezopasnosti i promyshlennoi sanitarii dlia masopereabatyvaushchikh ptitsepererabatyvaushchikh i kleezhelatinykh predpitiit. Moskva, Gosmestpromizdat, 1962. 283 p.

FOOD MACHINERY—ABSTRACTS

[Food machinery manufacture] Ref. zhur. Plishch, mashinostr. nos. 1-4 Ja-Apr '63.

FOOD PRESERVATIVES

Effect of some chemical preparations on the microflora of grape juice. F. I. Skoropad, V. V. Kotelev, Kh. V. Al'man. Izv. AN Mold. SSR no. 7:25-33 '62.

FOOD PRICES

We will repay our debt. N. Lyzo, A. Bystrikova, V. Kozlova. Rabotnitsa 40 no. 7:8 '62.

FOOD RESEARCH

Conference on the new physical methods of processing food products. Kons. i ov. prom. 18 no. 2:46 F '63.

FOOT—ABNORMALITIES AND DEFORMITIES

Operative treatment of transverse flatfoot. E. I. Zaitseva. Nauch. trudy Chetv. Mosk. gor. klin. bol' no. 1:115-119 '61.

Shamatov, N. M. [Clubfoot is curable] Kosolapost' izlechima. Tashkent, Medgiz, UzSSR, 1961. 18 p. (Nauchno-popul'narnaia literatura)

FOOT—BLOOD SUPPLY

Anatomy of veins in the palmar surface of the human foot. V. A. Kornilchuk. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:48-53 '58.

Veins in the dorsal surface of the human foot. V. A. Kornilchuk. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:42-47 '58.

FOOT—DISEASES

There is also a fungus like this... I. U. Shishina. Sov. profsoiuzy 19 no. 5:30 Mr '63.

FOOT—SURGERY

Operative treatment of transverse flatfoot. E. I. Zaitseva. Nauch. trudy Chetv. Mosk. gor. klin. bol' no. 1:115-119 '61.

FOOT-AND-MOUTH DISEASE

(see also subdivision under Uzbekistan)

Gamma globulins used in the prophylaxis and treatment of foot-and-mouth and Aujeszky's diseases in animals. I. I. Kazanskiy, V. E. Karneeva, Z. I. Deriabina. Veterinaria 37 no. 7:36-39 Ji '60.

Length of survival of the foot-and-mouth disease virus in the products made from slaughtered cattle. S. G. Poplaukhin. Veterinaria 38 no. 10:70-71 O '61.

Pathology of the hooves of deer which have survived foot-and-mouth disease. A. N. Smirnov. Trudy VIEV 26:26-28 '62.

Preparation of anti-foot-and-mouth disease gamma globulin by the ammonium sulfate precipitation method (by means of acidifying) and its use in the prophylaxis of animals suffering from foot-and-mouth disease. Z. I. Deriabina. Trudy VIEV 26:75-81 '62.

Problem of typifying the virus of foot-and-mouth disease. K. A. Arifdzhonov. Trudy Uz. nauch.-issl. inst. vet. 14:3-5 '61.

Variability of the biological properties of foot-and-mouth disease virus. V. N. Gribanov, A. M. Iudin. Trudy VIEV 26:3-7 '62.

- FORAGE PLANTS**
(see also subdivision under Kheper Preserve)
High nutritive value of field peas and other forage crops sown in summer. S. S. Shain, V. V. Tiamin. Zhivotnovodstvo 23 no. 7:53-55 J1 '61.
Pay the greatest attention to the production of feeds. Zhivotnovodstvo 23 no. 6:3-6 Je '61.
- FORAGE PLANTS—WATER REQUIREMENTS**
Rates of suction increase in the leaves of lucerne and cereal grasses in the periods between watering. P. D. Kolesnikova. Dokl. AN Tadzh. SSR 3 no. 3:43-47 '60.
- FORAMINIFERA, FOSSIL** see subdivision under Ukraine
- FOREIGN EXCHANGE**
Bank services to tourists. IU. Danilov. Den. kred. 21 no. 1:40-44 Ja '63.
Brief information on foreign exchange and banks abroad. Den. kred. 21 no. 1:84-89 Ja '63.
Brief information on foreign exchange and banks abroad. Den. kred. 21 no. 2:90-93 F '63.
- FOREIGN RELATIONS** see International relations
- FOREIGN TOURISTS** see Tourists, Foreign
- FOREMEN**
The wages of foremen. F. Gorin. Sots. trud 7 no. 6: 137-142 Je '62.
- FORENSIC HEMATOLOGY**
Identification of menstrual blood in a stain by the method of emission spectroscopy. M. B. Tabakman. Sud.-med. ekspert. 6 no. 1:10-12 Ja-Mr '63.
Some conditions for blood stain formation on the parts of a moving automobile. A. A. Lopatenok, O. S. Budnikov. Sud.-med. ekspert. 6 no. 1:20-21 Ja-Mr '63.
Some ways and prospects for the development of spectral hematology in forensic medicine. M. A. Vasil'ev. Sud.-med. ekspert. 6 no. 1:34-36 Ja-Mr '63.
- FORENSIC MEDICINE** see Medical jurisprudence
- FORENSIC PSYCHIATRY**
Clinical electroencephalographic correlations in establishing a diagnosis of epilepsy. L. P. Vasil'eva. Prak. sudebnopsikh. ekspert. no. 4:66-72 '61.
Difficulties in the forensic psychiatric evaluation of the affective reactions of psychopaths. B. V. Shostakovich. Prak. sudebnopsikh. ekspert. no. 4:25-31 '61.
Erroneous diagnosis of pathological affect. O. E. Freirev. Prak. sudebnopsikh. ekspert. no. 4:17-24 '61.
Forensic-psychiatric evaluation of some variants of grandiose ideas. B. V. Shostakovich. Prak. sudebnopsikh. ekspert. no. 6:30-35 '62.
Forensic psychiatric expertise on simple and pathological intoxication. L. A. Benjamina-Markis. Sud.-med. ekspert. 6 no. 1:45-48 Ja-Mr '63.
Late reactive states. N. I. Troian. Prak. sudebnopsikh. ekspert. no. 6:11-13 '62.
Legal competence in manic-depressive psychosis. V. A. Gur'eva. Prak. sudebnopsikh. ekspert. no. 4: 79-84 '61.
Long estamneistic observation permitting elimination of the possibility of a mental disease. O. N. Dokuchaeva. Prak. sudebnopsikh. ekspert. no. 6:14-21 '62.
Methodical indications for the compilation of acts of forensic-psychiatric expertise. E. M. Kholodkovskaya, S. V. Torubarov. Prak. sudebnopsikh. ekspert. no. 6: 52-63 '62.
Methodical indices to be used in giving forensic psychiatric expertise in a civil process. E. M. Kholodkovskaya. Prak. sudebnopsikh. ekspert. no. 4:73-78 '61.
Serious crimes committed during the postnatal period. T. P. Pechernikova. Prak. sudebnopsikh. ekspert. no. 4:43-49 '61.
So-called "aborted" forms of reactive states. N. I. Felinskaya. Prak. sudebnopsikh. ekspert. no. 6:3-10 '62.
Some principles for the diagnosis of pathological drunkenness. I. A. Kalashnik. Prak. sudebnopsikh. ekspert. no. 4:50-57 '61.
Wrong diagnosis of alcoholic paranoia. N. I. Mogilina. Prak. sudebnopsikh. ekspert. no. 4:58-64 '61.
- FOREST ECOLOGY**
(see also subdivision under Bryansk Province; Saguramos Preserve; Trilait Range; Vorskla Valley)
Algae as pioneers of burnt-over forests. A. V. Veretenikov. Priroda 52 no. 2:105 '63.
Changes of some phenotypic characteristics of pines in southern Karelia as a result of previous management. F. I. Akakiev. Izv. vys. ucheb. zav.; les, zhur. 5 no. 5: 19-22 '62.
Comparative analysis of P. S. Pogrebnik and G. F. Morozov's typological conceptions. M. M. Putilin. Izv. vys. ucheb. zav.; les, zhur. 5 no. 6:3-8 '62.
Growth of woody plants on the parent material of soils. V. M. Vepkhyadze. Trudy Inst. lesa AN Gruz. SSR 11: 127-133 '62.
Growth of young spruce under the forest canopy of hardwood species. A. V. Afanas'ev. Izv. vys. ucheb. zav.; les, zhur. 5 no. 5:34-36 '62.
- Outlook for the development of forest typology. V. P. Razumov. Trudy Brian. tekhn. inst. 9:5-15 '60.
- FOREST FAUNA**
Ornithological observations in the oak forests of Tula Province. G. N. Likhachev. Ornitologiya no. 5:110-112 '62.
- FOREST FIRES** see subdivision under Maritime Territory
- FOREST INFLUENCES**
(see also subdivision under Bryansk Province; Samgora region)
Changes in the heat and moisture exchange between forest and atmosphere under the influence of surrounding territory. IU. L. Rauner. Izv. AN SSSR. Ser. geog. no. 1:15-28 Ja-F '63.
Effect of coniferous plantations on some properties of Chernozems. V. G. Mitin. Trudy Brian. tekhn. inst. 9: 162-169 '60.
Kuznik, I. A. [Measures for land improvement through afforestation, spring runoff, and soil erosion] Agrolomeliorativnye meropriyatiya, vesenni stok i eroziya pochv. Leningrad, Gidrometeoizdat, 1962. 220 p.
Methods for studying the hydrological and soil improvement role of the root systems of steppe forest stands. B. E. Garin. Trudy Brian. tekhn. inst. 8:103-110 '60.
Rakhmanov, V. V. [Water-retaining role of forests] Vodookhraneniya rol' lesov. Moskva, Goslesbumizdat, 1962. 234 p. (DNAL)
Retention of precipitation by the leaves of undergrowth. V. P. Kornev. Trudy Brian. tekhn. inst. 9:99-102 '60.
V. V. Rakhmanov's article. A. A. Rode. Pochvovedenie no. 1:110-112 Ja '63.
- FOREST INSECTS** see subdivision under Osh Province; Soviet Central Asia
- FOREST LITTER** see subdivision under Bryansk Province; Georgia
- FOREST MANAGEMENT**
(see also subdivision under Bryansk Province; Kostroma Province; Leningrad Province; Sverdlovsk Province; Ukraine)
Develop and improve complex forest management. Les, khoz. 15 no. 9:2-6 S '62.
Distribution of trees of various species in mixed young stands. N. P. Georgievskii. Les, khoz. 15 no. 9:36-39 S '62.
Effect of initial density on the stand structure and cutting age of pine stands. V. F. Lebkov. Izv. vys. ucheb. zav.; les, zhur. 5 no. 5:37-42 '62.
Ponomarev, A. D. [Organization of forestry management in the U.S.S.R.] Organizatsiya lesnogo khozaistva i lesoupravleniya v SSSR. Moskva, Goslesbumizdat, 1961. (Biblioteka lesnika i mestna lesa) (DNAL)
- FOREST MANAGEMENT—BIBLIOGRAPHY** see Bibliography—Forest management
- FOREST PROTECTION**
Chemical forest pest control from the airplane; review of articles. Les, khoz. 15 no. 9:60-62 S '62.
- FOREST REPRODUCTION**
(see also subdivision under Akhmeta District; Nedzvi region; Trilait Range; Ural Mountains)
Leaving seed trees in clearcuttings of pine forests. V. E. Klimov. Izv. vys. ucheb. zav.; les, zhur. 5 no. 5: 173 '62.
- FOREST ROADS**
(see also subdivision under Killngi-Nomms region)
Selecting a method for determining the calculated coefficient of the bed of a truck road. L. D. Daragan. Izv. vys. ucheb. zav.; les, zhur. 5 no. 5:88-94 '62.
Skripov, N. I. [Precast reinforced-concrete pavement on logging roads] Stornoe zhestozbetonnoe pokrytie na lesovoznykh dorogakh. Moskva, Goslesbumizdat, 1962. 132 p.
- FOREST ROADS—BIBLIOGRAPHY** see Bibliography—Forest roads
- FOREST SOILS**
(see also subdivision under Carpathian Mountains; Georgia; Transbaikalia)
Role of humus substances in the formation of brown forest soils [with summary in English]. V. V. Ponomareva. Pochvovedenie no. 12:15-30 D '62.
- FOREST SOILS—MAPS**
From work practices in the mapping of forest soils. V. D. Zelikov. Les, khoz. 15 no. 9:47-50 S '62.
- FORESTRY SCHOOLS AND EDUCATION**
All schools should train students to love nature. I. D. Sinelnikova. Biol. v shkole no. 6:68-80 N-D '62.
Don't forget educational tasks. K. P. Boitsov. Vest. vys. shkoly 21 no. 2:18 F '63.
- FORESTS AND FORESTRY**
(see also subdivision under Bryansk Province; Perm Province; Russia, Northern)
Borodin, A. M., and A. R. Rodin. [Manual for workers in forest plantations] Spravochnik rabochego po lesnym kul'turam. Moskva, Goslesbumizdat, 1962. 131 p. (DNAL)
Brief news and information. Les, khoz. 15 no. 9:94-96 S '62.
Eltingon, G. R. [Selected works] Izbrannye trudy. Moskva, Goskhizdat, 1962. 499 p. (DNAL)
Fast-growing species and their industrial use. S. P. Ivdnikov, S. A. Rostovtsev, I. A. Kazantsev. Les, khoz. 15 no. 9:13-19 S '62.
[Forestry and forest management] Ref. zhur. Lesoved. 1 lesoved. nos. 1-4 Ja-Apr '63.
- FORESTS AND FORESTRY—BIBLIOGRAPHY** see Bibliography—Forests and forestry
- FORESTS AND FORESTRY—CONGRESSES**
Put everything that is new and progressive into production; from the production and technological seminar of foresters of the Russian Federation. A. Mukhin. Les, khoz. 15 no. 9:83-90 S '62.
- FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES**
(see also subdivision under Ukraine; White Russia)
Design of cutting knives for forest plows. E. I. Shovel's, A. I. Pakhomov. Les, khoz. 15 no. 9:76 S '62.
Highly productive fruit grinder. A. I. Samartsev. Les, khoz. 15 no. 9:80 S '62.
Proposals of efficiency promoters in the improvement of plows for tilling soils in cutovers left without the removal of stumps. Les, khoz. 15 no. 9:77-70 S '62.
Vlasov's fruit crusher. A. E. Chupakhin. Les, khoz. 15 no. 9:79-80 S '62.
- FORESTS AND FORESTRY—VALUATION**
(see also subdivision under Bryansk Province)
Effect of density on the current increment of pine plantations. V. V. Zagreav. Les, khoz. 15 no. 9:42-47 S '62.
Growth and productivity of white willow plantations (Salix alba L.). M. V. Davidov. Izv. vys. ucheb. zav.; les, zhur. 5 no. 5:9-14 '62.
More on the simplification of cutover evaluation. A. S. Berezhnoi. Les, khoz. 15 no. 9:54-56 S '62.
Plantation classification in forest management. V. I. Levin. Les, khoz. 15 no. 9:51-54 S '62.
Using the method of form coefficients for determining the current annual increment of stands. G. M. Kozlenko. Trudy Brian. tekhn. inst. 9:212-225 '60.
- FORGE SHOPS—EQUIPMENT AND SUPPLIES**
Kasenkov, M. A. [Heating arrangements in forges] Nagrovochnyye ustroystva kuznitsnogo proizvodstva. Moskva, Mashgiz, 1962. 472 p.
- FORGING**
(see also subdivision under Moscow)
Correcting roundly in making forgings of square cross sections. IU. T. Khudik, V. T. Khudik. Kuz.-shtam. proizv. 5 no. 2:46-47 F '63.
Present state and objectives in the production of gear wheels with forged teeth. A. M. Smurov. Kuz.-shtam. proizv. 5 no. 1:33-37 Ja '63.
Preventing the formation of internal transverse cracks during the forging of ingots of high-alloy steel and alloys. M. I. Dzugotov, B. V. Vakhitov. Kuz.-shtam. proizv. 5 no. 2:7-9 F '63.
Response to V. S. Goffenshefer's article "Size of draft angles." A. N. Briukhanov. Kuz.-shtam. proizv. 5 no. 1:7-9 Ja '63.
Sectional forging of disks on mechanical crank presses. A. V. Altykis, S. A. Skorodumov. Kuz.-shtam. proizv. 5 no. 2:13-17 F '63.
Size of draft angles. V. S. Goffenshefer. Kuz.-shtam. proizv. 5 no. 1:5-7 Ja '63.
Soveschaniye po novym protsessam obrabotki metallov davleniem v mashinostroeni. Moscow, 1960. [New processes for the pressure working of metals] Nove protsessy obrabotki metallov davleniem; [materialy]. Moskva, Izd-vo Akad. nauk SSSR, 1962. 186 p.
Upset forging of thin forgings having an arbitrary shape in the plan. IU. S. Arutunov, A. L. Gonor. Izv. AN SSSR. Old. tekhn. Mekh. i mashinost. no. 1:166-171 Ja-F '63.
Use of rapid computers for the development of forging procedures. R. A. Vaisburd, I. A. Tarnovskii, G. P. Teterin. Kuz.-shtam. proizv. 5 no. 2:10-13 F '63.
- FORGING—BIBLIOGRAPHY** see Bibliography—Forging
- FORGING—CONGRESSES**
All-Union Scientific and Technical Conference on remote and programmed control in forging. Kuz.-shtam. proizv. 5 no. 1:47-48 Ja '63.

FORGING MACHINERY

(see also subdivision under United States)

Mikhailova, T. I., and A. I. Shtrymov. [New type of forging rolls. Automatic loading and unloading of ingots into and out of soaking pits] *Kovochnye val'tsy novoi konstruktsii. Avtomatizatsiia zagruzki i vygruzki zagotovok iz nagrevatel'nykh pechek.* [By] M. A. Al'bert, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, No. M-55-154/7)

November Plenum of the Central Committee of the CPSU and our tasks. Kuz.-shtam, proizv. 5 no. 1: 1-2 Ja '63.

FORGING MACHINERY—CONGRESSES

Scientific and technical conference on the design and operation of automatic production lines in forging. Kuz.-shtam, proizv. 5 no. 1:48-49 Ja '63.

FORK LIFT TRUCKS

Electric loaders with one and two ton capacity. M. P. Golovkin. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:71-74 '63.

FORMALDEHYDE

Formation of excited formaldehyde molecules by low temperature oxidation of acetaldehyde. V. F. Shvalov and others. *Dokl. AN SSSR* 148 no. 2:388-390 Ja '63.

Polarographic study of equilibria in the interaction of hydroxylamine and cyclohexanone oxime with formaldehyde in aqueous solutions [with summary in English]. I. A. I. Tur'ian, V. V. Smekalova, Zhur. anal. khim. 17 no. 0:1117-1118 D '62.

Polyformaldehyde, a new raw material for synthetic fibers. V. I. A. Varshavskii, M. B. Sigal. *Khim. volok.* no. 1:5-9 '63.

Preparation and properties of glass-reinforced plastics based on cyclopentanone-formaldehyde resins. I. V. Kamenskii, G. M. Tsel'tsin. *Plast. massy* no. 1:20 '63.

Simple and rapid method of determining formaldehyde in formalin. A. V. Nikolaev. *Trudy VIEV* 26:212-214 '62.

FORMATES

Continuous method for the saponification of isobornyl formate. V. A. Vyrodov, S. I. Korotov. *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5:148-154 '62.

FORMIC ACID

Electrolytic oxidation of formic acid and its salts on a rotating platinum electrode. I. U. B. Vasil'ev, V. S. Bagetskii. *Dokl. AN SSSR* 148 no. 1:132-135 Ja '63.

FORMOSA—ECONOMIC CONDITIONS

Taiwan under American and Kuomintang domination [with summary in English, pp. 258-259]. V. N. Baryshnikov. *Nar. Az. i Afr.* no. 1:60-71 '63.

FORMOSA—MALAYAN LANGUAGES—DIALECTS

N. A. Novakii's works on the language of the Tsou tribe. L. L. Gromkovskaya. *Nar. Az. i Afr.* no. 1:171-172 '63.

FORMS, BINARY

Use of the dispersion method in binary additive problems. B. M. Bredikhin. *Dokl. AN SSSR* 148 no. 1:10-11 Mr '63.

FORMS OF ADDRESS

Study of forms. L. P. Liubivets. *Nach. shkola* 31 no. 1: 58 Ja '63.

FOREYTHIA see subdivision under Kiev

FORTIFICATION, PRIMITIVE see subdivision under Batareyka

FORTIFICATIONS, OLD see subdivision under Pskov; Volkovysk

FOUGERON, ANDRE, 1913-

Andre Fougerson, lyric poet and fighter. M. Prokofev. *Izvestiya* 25 no. 11:45-52 '62.

FOUL BROOD, EUROPEAN

Furazolidone against foul brood diseases. S. S. Nazarov. *Veterinariia* 38 no. 10:57-58 O '61.

FOULING OF SHIP BOTTOMS see subdivision under Caspian Sea

FOUNDATIONS

(see also subdivision under Kazan)

Features of the deformation of sandy foundations under deep footings. V. G. Berezantsev, V. A. Tarashenko. *Osn., fund. i mekh. grun.* 4 no. 1:3-7 '62.

New method of installing deep foundations made of drilled footings. N. A. Rozhdestvenskii, S. V. Triletskii, K. P. Salamov. *Osn., fund. i mekh. grun.* 4 no. 1:20-23 '62.

Pile foundations of large-panel apartment houses. M. Artemenko. *Zhil. stroit.* no. 1:16-17 '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Temporary instructions SN 612-62 for designing and installing pile foundations made of short driven piles] *Vremennye ukazaniia po proektirovaniu i ustroistvu svaynykh fundamentov iz korotkikh zabil'nykh svai* (SN 216-62). Moskva, 1962. 31 p.

FOUNDATIONS—BIBLIOGRAPHY see Bibliography—Foundations

FOUNDATIONS—COLD WEATHER CONDITIONS

Preventing the foundations of buildings from freezing. I. Chefranov. *Stroitel'* 8 no. 1:27 Ja '62.

FOUNDATIONS—CONGRESSES

List of the reports presented at the Fifth International Congress on Soil Mechanics and Foundation Engineering. Paris, July 1961. *Osn., fund. i mekh. grun.* 4 no. 1: 32-33 '62.

FOUNDATIONS—TESTING

Relation of the deformations of a rock foundation to its fracturing. S. A. Roza. *Gidr. stroit.* 32 no. 9:18-21 S '62.

FOUNDING

(see also subdivision under Ukraine)

Automatic control of founding processes. M. I. Vorob'ev. *Izv. vys. ucheb. zav.; mashinostr.* no. 9:88-89 '62.

Automatic control of pouring into metal molds. N. P. Dubinin. *Izv. vys. ucheb. zav.; mashinostr.* no. 9:85-97 '62.

Casting of diesel locomotive cylinder sleeves. V. P. Mekin. *Lit. proizv.* no. 7:11-12 Ji '62.

Forming the properties thin-walled, heat-resistant alloy castings. M. T. Bogdanov. *Lit. proizv.* no. 7:29-33 Ji '62.

Improved procedure for the manufacture of cast steel shot for drilling. V. I. Pavlovskii, R. I. Ostroshko. *Lit. proizv.* no. 7:3-4 Ji '62.

Modern trends in foundry practice abroad. I. A. G. Polinikov. *Lit. proizv.* no. 7:45-48 Ji '62.

Orlov, N. D. [Foundry practice] *Lit. proizv.* no. 7:45-48 Ji '62.

uchebnoe posobie po razdelu "Litseinoe proizvodstvo" kursa "Tekhnologiya metallov." Moskva, Mosk. inzhenerno-ekon. in-t im. S. Ordzhonikidze, 1962, 103 p.

Ovsianikov, K. M. [Principles of the automation of foundry practice] *Osnovy avtomatizatsii litseinogo proizvodstva.* Pod red. L. M. Volplunskogo. Moskva, Mashgiz, 1960, 50 p. (Nauchno-popul'naya biblioteka rabochego-litshchika, no. 30)

Power interaction of a casting with metal core. V. A. Komissarov. *Izv. vys. ucheb. zav.; mashinostr.* no. 9: 150-166 '62.

Production of castings of cerium-cast iron with spheroidal graphite. S. S. Zatulovskii, E. M. Nosova, E. S. Krylov. *Mashinostroenie* no. 6:37-39 N-D '62.

Stacked casting of iron frying pans. S. A. Mikulin. *Lit. proizv.* no. 7:41 Ji '62.

Study of the effect of certain parameters on the character of transients in a system of automatic dosage and pouring of liquid metal [with summary in English]. A. D. Pushchakovskiy. *Dop. AN URSSR* no. 12:1575-1579 '62.

FOUNDING—CONGRESSES

Congress of foundrymen of the Likhachev Automobile Plant in Moscow. L. E. Komarov. *Lit. proizv.* no. 7: 43-44 Ji '62.

FOUNDING—PRODUCTION STANDARDS

Improvement of indices in founding. S. E. Kharagorgiev. I. D. Shparaga. *Mashinostroenie* no. 6:31-33 N-D '62.

Norms for founding. B. E. Ushakov. *Mashinostroitel'* no. 1:40-41 Ja '63.

FOUNDRIES see subdivision under Leningrad

FOUNDRIES—COST OF OPERATION

Methods of determining foundry costs in metallurgical plants. T. I. A. Goleusova. *Lit. proizv.* no. 7:14-15 Ji '62.

FOUNDRIES—EQUIPMENT AND SUPPLIES

Automatic digital computer for proportioning cupola charges. L. S. Pansjuk. *Avtom. i prib.* no. 3:9-11 Ji-S '62.

Automatic gating mechanisms for chill-casting machines. N. P. Dubinin, K. P. Koslov. *Izv. vys. ucheb. zav.; mashinostr.* no. 9:149-158 '62.

Charging device for small molds and chills. N. M. Zaitsev. *Lit. proizv.* no. 7:41 Ji '62.

Effect of the thermal resistance of foundry molds on the formation of shrinkage cavities in steel castings. A. E. Krivosheev, N. M. Fetisov. *Izv. vys. ucheb. zav.; chern. met.* 6 no. 1:160-166 '63.

Improved drives on molding machines with high specific squeeze pressure. B. K. Sviatkin, Zh. P. Sviatkina. *Lit. proizv.* no. 7:17-18 Ji '62.

Kozheurov, P. I. [Over-all mechanization in foundries] *Kompleksnaya mekhanizatsiia v litseinykh tsakhakh.* Moskva, Mashgiz, 1962. 288 p.

[MICROFILM]

Semiautomatic line for setting cylinder blocks of the D-54 and D-75 engines. M. G. Serebro. *Mashinostroenie* no. 6:103 N-D '62.

Semiautomatic unit for the shakeout of molds. F. F. Lomov. *Mashinostroenie* no. 6:104 N-D '62.

Using electromagnetic pumps in founding. L. A. Verta. *Mekh. i avtom. proizv.* 17 no. 1:40-42 Ja '63.

Vibratory chill-casting machine. V. A. Kornilev. *L. B. Kogan, G. P. Gorbun'skii. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 2:20-21 '63.

FOUNDRIES—TECHNOLOGICAL INNOVATIONS see subdivision under Leningrad

FOUNDRIES—WATER SUPPLY

Pilot plant for core sand reclamation and the purification of recirculating water. V. M. Zhil'tsov. *Lit. proizv.* no. 7:20-22 Ji '62.

FOUNDRY SAND see Sand, Foundry

FOURIER SERIES

Contribution to the solution of a problem concerning the propagation of electromagnetic impulse signals above plane uniform earth. V. V. Novikov. *Radiotekh. i elektron.* 8 no. 2:342-343 F '63.

Convergence of Fourier series in a class of orthonormalized multiplicative systems. G. M. Dzhanfarit. *Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk* no. 4:17-36 '62.

On the error involved in numerical integration. V. M. Solodov. *Dokl. AN SSSR* 148 no. 2:284-287 Ja '63.

On Weyl factors for unconditional convergence. P. I. Ulianov. *Mat. sbor.* 60 no. 1:39-52 Ja '63.

FOURIER TRANSFORMATIONS

On certain classes of functions. R. G. Mamedov. *Dokl. AN SSSR* 148 no. 3:520-522 Ja '63.

FOXES

"A secret word." H. Ihnatsenka. *Belarus'* 20 no. 2:31 F '63.

FRACTIONAL DISTILLATION see Distillation, Fractional

FRAC TURES

(see also subdivision under Kiev)

Operative treatment of diaphysis fractures. V. A. Chernavskii. *Nauch. trudy Chetv. Mosk. gor. kln. bol'* no. 1: 83-94 '61.

FRANCE—COKE INDUSTRY

Coal Chemical Combine in Carling (France) and unit for the hydraulic purification of benzol in Fuerstenhausen, German Federal Republic (from "Chemie et Industrie," no. 1, 1963). *Koks i khim.* no. 1:63-64 '63.

FRANCE—FILTERS AND FILTRATION

New Kieselguhr filter. A. I. Feldman. *Spiri, prom.* 29 no. 1:37-38 '63.

FRANCE—FOREIGN ECONOMIC RELATIONS—AFRICA

Gukaslan-Gandzaketsi, L. G. [French imperialism and Africa] *Frantsuzskii imperiializm i Afrika.* Moskva, Izd-vo vostochnoi lit-ry, 1962. 398 p.

FRANCE—FOREIGN ECONOMIC RELATIONS—GERMANY, WEST

An alliance of French and West-German monopolies. *Nov. vrem.* 20 no. 9:30-31 Mr '63.

FRANCE—LABOR AND LABORING CLASSES

Kuczyński, Jürgen. [History of working conditions in France from 1700 to 1945. Translated from the German] *Istoriia uslovii truda vo Frantsii s 1700 po 1945 g.* Predisl. V. V. Liubimovoi. Moskva, Izd-vo inostr. lit-ry, 1950. 272 p.

FRANCE—MOTION-PICTURE PLAYS

On the screens of the world. V. Matusevich, A. Vladimirov. *Isk. kino* 33 no. 1:142-143 '63.

FRANCE—POLITICS AND GOVERNMENT

De Gaulle's "Political Revolution" slogan and its aims. Anatoli Potapov. *Mir, ekon. i mezhdunar. otn.* no. 1: 98-101 '63.

FRANCE—RAILROADS—STATIONS

New stations in France. S. Naumov, O. Golubeva. *Arkhit. SSSR* no. 2:56-60 '63.

FRANCE—SOCIAL POLICY

The "social year" and the class struggle in France. V. Goncharov. *Nov. vrem.* 20 no. 11:6-8 Mr '63.

FRANCE—STEEL INDUSTRY

European integration and metallurgical monopolies of France [with English summary in appendix]. I. U. Pavlov. *Vnesh. torg.* 42 no. 1:23-28 '63.

FRANCE—STRIKES AND LOCKOUTS

World events. A. Bel'skaya. *Rabotnitsa* 40 no. 3:21 Mr '62.

FRANCE—STRIKES AND LOCKOUTS—COAL MINERS

Fulfilling the duty of solidarity. *Nov. vrem.* 20 no. 12: 1-2 Mr '63.

The "social year" and the class struggle in France. V. Goncharov. *Nov. vrem.* 20 no. 11:6-8 Mr '63.

FRANCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

"OCM or the Civil and Military Organization: history of a group of the resistance movement, 1940-1945" [in French]. A. Calmette. Reviewed by I. S. Kissel'gof. *Vop. ist.* 38 no. 2:180-182 F '63.

- FRANZ JOSEF LAND—GLACIERS**
Recent data on the contemporaneous glaciation of Franz Josef Land, V. A. Markin, V. L. Sukhodrovskii. Dokl. AN SSSR 148 no. 3:658-660 Ja '63.
- FRANZ JOSEF LAND—ICE**
Akademii nauk SSSR. Institut geografii. [Franz Josef Land] Zemlja Frantsa-Iosifa. Moskva. (Its: Materialy glatsiologicheskikh issledovani) [With summary in English] Grosval'd, M. G., and T. V. Psareva. [Ice structure] Struktura l'da, 1962, 99 p.
- FRANZ JOSEF LAND—LANDFORMS**
Akademii nauk SSSR. Institut geografii. [Franz Josef Land: Glaciomorphology] Zemlja Frantsa-Iosifa: Glatsiologomorfologiya. Moskva. (Its: Materialy glatsiologicheskikh issledovani) [With summary in English] Sukhodrovskii, V. L. [Relief and recent processes of relief formation in the periglacial zone] Rel'ef i sovremennye rel'efoobrazovushchie protsessy v prilednikovoi zone, 1962, 73 p.
- FRAUD**
Criminal responsibility for the defraudation of customers. G. Vol'fman. Sov. iust. no. 2:18-20 Ja '63.
The culprits were executed. Oleksandr Hordil. Ukraina no. 13:22-23 Ji '62.
- FREE WILL AND DETERMINISM**
"Problem of determinism in the psychophysiology of the 19th century" by M. G. Iaroslavskii. Reviewed by L. M. Vekker. Vop. psikh. no. 6:142-147 N-D '62.
- FREIGHT AND FREIGHTAGE—CLAIMS**
Decisions of arbitration agencies. Rad. pravo no. 5: 134-136 S-O '62.
- FREIGHTERS**
Composition and principle technical and operational characteristics of dry cargo ships sailing regular ocean lines and belonging to capitalist countries of Europe. S. V. Lainer, N. Z. Volchek, E. L. Limonov. Trudy TSNIIMF no. 43:64-80 '62.
Selecting the specific capacity of a vessel. B. Pakhomov. Rech. transp. 22 no. 1:29-30 Ja '63.
- FRENCH LANGUAGE—INTERROGATIVE**
Structure of the interrogative sentence in modern French; based on the colloquial language [with summary in English]. N. A. Shigarevskaya. Vest. LGU 18 no. 2:113-122 '63.
- FRENCH LITERATURE—HISTORY AND CRITICISM**
The critic in France. Jean Blanzat. Vop. lit. 6 no. 12:110-116 D '62.
- FRENCH PAINTINGS** see Paintings, French
- FRENCH PORCELAIN** see Porcelain, French
- FREONS—THERMAL PROPERTIES**
Experimental study of the thermal properties of an azeotropic mixture of freon-12/4 and freon-C318 [with summary in English]. I. I. Perel'shtein. Inzh. -fiz. zhur. 5 no. 12:27-33 D '62.
- FREQUENCIES OF OSCILLATING SYSTEMS**
Convergence of frequency values of molecular oscillators having the same design. A. I. Leikin, E. Z. Orlov. Izv. tekhn. no. 2:46-48 F '63.
Steady vibrations of the free surface of an infinite rectangular basin. S. V. Nesterov, G. N. Medvedev. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:24-26 Mr-Apr '62.
- FREQUENCY CHANGERS**
Amplification and noises in a three-element parametric converter with composite output frequency. M. D. Karasev, Gao Bao-sin' [Kao Pao-hsin]. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:58-73 Mr-Apr '62.
Dielectric electric current converters. V. M. Pluzhnikov, N. K. Orlova. Avtom. itelem. sbor. st. no. 3:53-65 '62.
Generalized theory of frequency spectrum converters. G. V. Voishvillo, N. D. Poroshin. Radiotekhnika 18 no. 1:35-39 Ja '63.
Tarasov, F. I. [Frequency conversion tubes] Chastotopreobrazovatel'nye lampy. Moskva Gosenergizdat, 1962, 31 p. (Massovaya radiobiblioteka, no. 455)
Two-loop parametric generator. IU. A. Il'inski. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:80-87 Mr-Apr '62.
- FREQUENCY MEASUREMENTS**
Generator and phase meter of infralow frequencies. E. P. Bochkarev. Izv. tekhn. no. 1:44-45 Ja '63.
Method of extreme frequencies for measuring frequency deviations. V. L. Rychka. Izv. tekhn. no. 2:50-51 F '63.
Precise frequency measurements. G. Palii. Radio no. 2:24-26 F '63.
Testing heterodyne frequency meters and GSS-5 standard-signal generators. V. I. Volodarskii. Izv. tekhn. no. 1: 47-48 Ja '63.
- FREQUENCY MULTIPLIERS—NOISE**
Measurement of the noise of frequency multipliers using a transistor diode. A. O. Vital'sev and others. Radiotekh. i elektron. 8 no. 2:349-351 F '63.
- FREQUENCY REGULATION**
Locking band of an automatic phase frequency trim system. S. V. Pervachev. Radiotekh. i elektron. 8 no. 2:334-337 F '63.
Precise frequency measurements. G. Palii. Radio no. 2:24-26 F '63.
Statistical dynamics of automatic phase frequency trim. V. I. Tikhonov, K. B. Chelyshev. Radiotekh. i elektron. 8 no. 2:331-334 F '63.
Use of time delay in an automatic frequency control system. L. A. Azatova. Elek. sta. 34 no. 1:86-87 Ja '63.
- FRESCO PAINTING** see Mural painting and decoration
- FRESHWATER FAUNA** see subdivision under Kuytyshev Reservoir
- FRESHWATER FLORA**
Iron accumulation in some water plants and its protective role. G. F. Trubitskii. Biol. Glav. bot. sada no. 45: 104-106 '62.
- FRICTION**
Connection between contact friction with stressed state conditions during the plastic deformation of metals. I. K. Suvorov. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:106-110 '63.
Determining power losses in the course of work of a K232B crank press. V. P. Smolianov. Kuz. -sham. proizv. 5 no. 1:24-25 Ja '63.
Effect of thermal conductivity of solids on the change of friction coefficients during sliding on ice and snow. M. M. Korunov. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:63-66 '62.
Method of estimating the area of contact of thread with a cylindrical surface. N. V. Khval'kovskii. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:25-30 '62.
- FRICTION MATERIALS**
Rubinshtein, T. A. [Asbobakelite friction materials with a high and stable friction coefficient. Multiple molds for pressing collectors with "voloknit" plastic] Asbobakel'tovye friktsionnye materialy s vysokim i stabil'nym koeffitsientom treniya. Mnogomesinnye pressformy dlia opressovki kolektorov voloknitom. [By] I. A. Lychnagin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 19. No. M-58-79/2)
- FRICTIONAL RESISTANCE (HYDRODYNAMICS)**
Effect of a transverse mass flow on skin friction and heat transfer in turbulent flow of a compressible gas [with summary in English]. P. N. Romanenko, V. N. Kharchenko. Inzh. -fiz. zhur. 6 no. 2:52-59 F '63.
Injection of gases into a turbulent boundary layer with a longitudinal pressure gradient and its effect on frictional resistance. P. N. Romanenko, V. N. Kharchenko. PMTF no. 1:77-83 Ja-F '63.
Method and some results of calculating the frictional characteristics from observations of tidal currents. D. U. Vapniar. Izv. AN SSSR. Ser. geofiz. no. 12:1804-1814 '62.
- FRIEDEL-CRAFTS REACTION**
History of the discovery of organic reactions in the presence of anhydrous aluminum halides. V. I. Esafov. Trudy Inst. ist. est. i tekhn. 39:104-140 '62.
- FRIENDSHIP**
Zalets', P. M. [Comradeship, friendship, and love] Pro tovarystvuvannia, druzhbu i liubov. Kyiv, T-vo dlia poshyrennia polt. i naukovykh znan' Ukrain's'koi RSR, 1959, 20 p.
- FROST**
(see also subdivision under Karelian Isthmus)
Comments on I. G. Portnov's article "Precise solution of the problem on freezing with a random temperature variation at a stationary boundary (Doklady AN SSSR, 1962, vol. 143 no. 3). E. A. Ivanov. Izv. AN SSSR. Otd. tekhn. nauk. Mekh. i mashinost. no. 1:129-131 Ja-F '63.
Formation of hoarfrost on frozen drops of water in an electrical field. V. M. Muchnik, IU. S. Rud'ko. Izv. AN SSSR. Ser. geofiz. no. 10:1450-1452 O '62.
- FROST RESISTANT CONCRETE**
Analysis of the composition of nonfreezing liquid for concrete. P. Kas'tanov. Stroitel' 8 no. 2:5 F '63.
- FROZEN FOOD** see Food, Frozen
- FROZEN GROUND**
(see also subdivision under Anadyr Lowland; Bol'shezemel'skaya Tundra; Bryansk Province; Vorluta region)
Designing the foundations of culverts on permafrost. O. V. Snezhko. Transp. stroit. 12 no. 8: 47-50 S '62.
"Fire" boring in frozen ground. A. Motornenko. Stroitel' 9 no. 2:3-4, 9 F '63.
Genesis of ice inclusions in frozen ground. A. M. Pchelintsev. Trudy Inst. merz. i AN SSSR 18:85-88 '62.
- The problem of drilling frozen ground to form foundation ditches for contact network poles. N. I. Chikhurev. Transp. stroit. 12 no. 8:46-47 S '62.
- FROZEN GROUND—CONGRESSES**
Conference of permafrost specialists of the Russian Federation in Yakutsk. S. A. Bakalov. Osn. i fund. i mekh. grun. 4 no. 1:30-31 '62.
- FRUIT**
Saburov, N. V., and N. V. Antonov. [Storing and processing fruit and vegetables] Khranenie i pererabotka plodov i ovoshchei. Moskva, Sel'khozizdat, 1962, 446 p. (Uchobniki i uchobnye posobia dlia vysshikh sel'skokho-ziaistvennykh uchebnykh zavedenii)
- FRUIT—CHEMICAL COMPOSITION**
Chemical composition of hybrid apples in comparison with parent forms. S. I. Ianev, V. P. Mazov. Uch. zap. Kab. -Balk. gos. un. no. 11:206-216 '61.
- FRUIT—DISEASES AND PESTS**
(see also subdivision under Kirghizistan)
Dement'eva, M. I. [Diseases of fruit crops] Bolozni plodovykh kul'tur. Moskva, Sel'khozizdat, 1962, 239 p. (DNAL)
- FRUIT—RIPENING**
Ripening of fruit and the duration of seed dormancy. I. V. Sapankevich. Trudy Britan. tekhn. inst. 9:273-280 '63.
- FRUIT—STORAGE** see subdivision under Moscow; Ukraine
- FRUIT, CANNED**
Improving the peach varieties for canning. I. N. Minchov. Kona. i ov. prom. 18 no. 2:28-32 F '63.
- FRUIT CULTURE**
(see also subdivision under Moldavia)
Observations on fruit and berry plants. E. V. Kolesnikov. Shkola i proizv. 7 no. 1:65-68 Ja '63.
- FRUIT CULTURE—AUDIO-VISUAL AIDS**
How to make visual aids from fresh fruit and berries. K. P. Lango. Shkola i proizv. 8 no. 8:75-77 Ag '62.
- FRUIT CULTURE—RESEARCH** see subdivision Atypko Autonomous Province
- FRUIT TRADE**
Time limits for the plum trade could be extended. S. Bruvov. Sov. torg. 36 no. 10:36-37 O '62.
- FRUIT TREES**
(see also subdivision under Soviet Central Asia)
A day's dynamics of the factors of photosynthesis in the crown of a fruit tree. Part 1: Dynamics of the CO₂ content of various air strata [with summary in English]. I. A. D. Romashko. Ukr. bot. zhur. 19 no. 6:49-54 '62.
- FRUIT TREES—DISEASES AND PESTS** see subdivision under Soviet Central Asia
- FRUMKIN, IAKOV PAVLOVICH, 1902-**
Iakov Pavlovich Frumkin; on his 60th birthday. Vrach. delo no. 1:152 Ja '63.
- FRUNZE—HONEYSUCKLE**
New species of plants in the collection of the Frunze Botanical Garden. V. I. Tkachenko. Biol. Glav. bot. sada no. 45:55-59 '62.
- FRUNZE—POPLAR**
New species of plants in the collection of the Frunze Botanical Garden. V. I. Tkachenko. Biol. Glav. bot. sada no. 45:55-59 '62.
- FUCHIK, JULIUS, 1903-1943**
A heroic life. P. Kharkov. Belarus' 20 no. 2:25 F '63.
- FUEL**
Bakulev, G. D. [Fuel industry of the U.S.S.R. and the economic efficiency of capital investments for developing it] Toplivnaya promyshlennost' SSSR i ekonomicheskaya effektivnost' kapitalovlozhenii v ee razvitiie. Moskva, Izd-vo Akad. nauk SSSR, 1961, 190 p.
Determination of the saving of fuel by hydroelectric power stations over a period of several years using a digital computer. A. N. Zlatopol'skii, S. L. Pruzner. Elek. sta. 33 no. 12:30-33 D '62.
- FUEL—TRANSPORTATION**
Approximate computation methods for the conveyance of nongrainy materials along feed chutes [with summary in English]. V. V. Pomerantsev, G. K. Ekimov. Inzh. -fiz. zhur. 5 no. 12:59-64 D '62.
- FUEL PUMPS**
New design for the rack of a fuel pump. V. Chirkov. Sbor. stud. nauch. -issl. rab. VSKhI 1 no. 1:133-137 '62.
- FUEL PUMPS—CLEANING**
Unit for scouring sprayer outlets. N. Khatsov. Avt. transp. 41 no. 1:55 Ja '63.

FUEL PUMPS—TESTING

Effect of the inside surface area of the fuel pump sleeve on its service life. A. I. Il'in. Trudy MIIT no. 151:98-101 '62.

FUNCTIONAL ANALYSIS

Entropy terms as an expression of the uncertainty principle. D. A. Buchvar, I. V. Stankevich, A. L. Chistiakov. Dokl. AN SSSR 149 no. 1:66-71 Mr '63.

Functionals orthogonal on a sphere; a generalization of harmonic analysis. E. M. Polishchuk. Sib. mat. zhur. 4 no. 1:187-205 Ja-F '63.

Gelfand, I. M., M. I. Graev, and N. I. A. Vilenkin. [Integral geometry and problems of the theory of representations connected with it] Integral'naya geometriya i svyazannyye s ney voprosy teorii predstavleniy. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 656 p. (Obobshchennyye funktsii, no. 5)

Some general results concerning the asymptotic value and the order of approximation of functions by a family of linear positive operators. First report. R. G. Mamedov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no. 4:3-16 '62.

FUNCTIONAL EQUATIONS

Use of a process of consecutive approximations in solving certain types of functional equations. S. V. Simeonov. Dokl. AN SSSR 148 no. 3:524-537 Ja '63.

FUNCTIONS

Density of finite functions in the $L_p^{(m)}(E_n)$ space. S. L. Sobolev. Dokl. AN SSSR 149 no. 1:40-43 Mr '63.

Determining the derivatives of rational functions. E. P. Dolzhenko. Izv. AN SSSR, Ser. mat. 27 no. 1:19-28 Ja-F '63.

An example of calculating an influence function. R. Tiliashakhova. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 6:44-52 '62.

On certain classes of functions. R. G. Mamedov. Dokl. AN SSSR 148 no. 3:520-522 Ja '63.

On S. L. Sobolev's imbedding theorems for abstract functions. A. Kh. Guditov. Dokl. AN SSSR 148 no. 1:24-27 Ja '63.

On some classes of p-valent functions (with summary in English). T. H. Ezrokhli. Dop. AN URSSR no. 12:1560-1564 '62.

On the theory of p-valent functions (with summary in English). I. M. Gail'perin. Dop. AN URSSR no. 12:1555-1559 '62.

On the transcendence and algebraic independence of certain E-functions (with summary in English). V. A. Giteinikov. Vest. Mosk. un. Ser. 1:Mat., mekh. no. 6:34-38 N-D '62.

Relationship between a D-integral and totalization (T_{2B}) V. A. Skvartsov. Vest. Mosk. un. Ser. 1:Mat., mekh. no. 6:20-25 N-D '62.

Singular coverings and the related properties of recursive functions. I. D. Zaslavskii, G. S. Tsitolin. Trudy Mat. inst. 67:458-502 '62.

Some properties of recursive real numbers and recursive functions. I. D. Zaslavskii. Trudy Mat. inst. 67:385-457 '62.

FUNCTIONS, ANALYTIC

Boundary values of the functional $J = J(f, f')$ on a class of holomorphic functions one-sheeted in a circle. I. A. Aleksandrov. Sib. mat. zhur. 4 no. 1:17-31 Ja-F '63.

Complete systems and bases in the spaces of functions analytic in Hartogs's regions. S. A. Breinin, A. F. Shadrin. Dokl. AN SSSR 148 no. 3:500-503 Ja '63.

Extremum problems for analytic functions having a positive real part and satisfying certain additional conditions. A. N. Kochetkov. Dokl. AN SSSR 148 no. 3:508-511 Ja '63.

Functions, holomorphic in tubular cones. V. S. Vladimirov. Izv. AN SSSR, Ser. mat. 27 no. 1:175-180 Ja-F '63.

Goncharov polynomials and the problems concerning the representation of an analytic function by a series of primitives of a certain function (with summary in English). Vest. Mosk. un. Ser. 1:Mat., mekh. no. 6: 9-19 N-D '62.

Set of limit values of functions pseudoanalytic within a unit circle. V. I. Gavrilov. Dokl. AN SSSR 148 no. 1:16-19 Ja '63.

FUNCTIONS, CONTINUOUS

Bases in spaces of continuous functions. V. I. Gurarii. Dokl. AN SSSR 148 no. 3:493-495 Ja '63.

On the best approximation of continuous functions. N. P. Korneichuk. Izv. AN SSSR, Ser. mat. 27 no. 1: 29-44 Ja-F '63.

Property of A-integrable functions. I. L. Bondi. Usp. mat. nauk 18 no. 1:145-150 Ja-F '63.

Theorems on intermediate values and boundary value problem for a nonlinear second-order differential equation. G. A. Kamenskii. Mat. sbor. 60 no. 1:3-10 Ja '62.

FUNCTIONS, ORTHOGONAL

Convergence of Fourier series in a class of orthonormalized multiplicative systems. G. M. Dzhaferit. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no. 4:17-38 '62.

FUNCTIONS OF COMPLEX VARIABLES

A theorem on three spheres. E. M. Landis. Dokl. AN SSSR 148 no. 2:277-279 Ja '63.

FUNERAL RITES AND CUSTOMS

Magic and burial rites during the Chernyakhov epoch. E. A. Symonovich. Sov. arkeol. 7 no. 1:40-60 '63.

FUNGI see subdivision under Karelian Isthmus

FUNGI, PATHOGENIC

Stachybotryotoxicosis in cattle. I. A. Kurmanov. Veterinarika 38 no. 10:41-44 O '61.

Stachybotryotoxicosis in cattle. I. G. Levenberg, L. I. Ivantsov, M. P. Prostakov. Veterinarika 38 no. 10: 38-41 O '61.

FUNGI, PHYTOPATHOGENIC see subdivision under Talysh Mountains

FUNGUS DISEASES see Mycosis

FUR see subdivision under Kharkov

FUR—DRESSING AND DYEING

New method of moltening fur skins and cuts in furrier work. A. B. Frenkel' and others. Kozh.-obuv. prom. 5 no. 1:28-31 Ja '63.

FUR FARMING see subdivision under Bakhmas District

FUR FARMING—STUDY AND TEACHING see subdivision under Yakutia

FURALDEHYDE

Furfural-containing semiproduces of hydrolysis. E. F. Morozov, M. A. Ivanova, G. G. I. Ileskhim. prom. 16 no. 1:29 '63.

Obtaining furfural and organic acids in a composite processing of birchwood by hydrolysis. A. D. Mshin, A. M. Serebrennikova, T. P. Filatova. Trudy Inst. khim. UFAN SSSR no. 6:87-92 '61.

Shcherbakov, A. A. [Furfural] Furfural. Kiev, Goskizdat USSR, 1962. 240 p.

FURAN

Chromatographic determination of furan and carbon dioxide in the products of furfural decarbonylation. T. A. Potakova, T. A. Sokolova, I. A. A. Tsarfin. Zav. lab. 29 no. 1:18-19 '63.

Preparation of acids via furan derivatives. Part 7: Synthesis of benzoylaspargine and benzoylaspargine. A. P. Terent'ev, R. A. Gracheva, N. M. Mikhailova. Zhur. ob. khim. 33 no. 2:561-563 F '63.

FURANDICARBOXYLIC ACID

Preparation of mixed polyesters of ethylene glycol with 2,5-furandicarboxylic and terephthalic acids. F. M. Medvedeva, N. V. Andrianova. Plast. massy no. 2:14-15 '63.

FURAZOLIDONE

Furazolidone against coccidiosis in chickens. E. A. Litvenkova. Veterinarika 38 no. 10:50 O '61.

Furazolidone against fowl brood diseases. S. S. Nazarov. Veterinarika 38 no. 10:57-58 O '61.

FURMANOV, DMITRII ANDREEVICH, 1891-1920

New material on the political work of D. A. Furmanov in the Red Army. Submitted by P. V. Kaprilanovskii. Ist. arkh. 8 no. 6:3-13 N-D '62.

FURMANOV—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Workshops have been rejuvenated. A. Smirnov. Sov. profsoyuz 19 no. 2:8-D Ja '63.

FURNACES

Comparative data on wet coal feeding machinery. A. T. Kurnosov. Elek. sta. 33 no. 12:14-15 D '62.

Computation of heat transfer in liquid-fuel steam boiler furnaces (with summary in English). S. M. Pokrovskii. Inzh.-fiz. zhur. 5 no. 12:84-85 D '62.

Criterial dependences in zonal calculations of heat exchange in furnace chambers. I. U. A. Surlinov. Trudy MTIP 15:201-217 '60.

Effect of combustion processes on the heat exchange in pulverized coal furnaces. A. M. Gurevich, G. M. Pludovskaya. Teploenergetika 10 no. 2:9-11 F '63.

Experience in burning brown coals in wet-bottom furnaces with shaft-type impact mills. V. B. Maslov and others. Teploenergetika 10 no. 2:15-19 F '63.

Increase in the durability of a dovetail shield. I. U. L. Marshak. Elek. sta. 34 no. 1:18-21 Ja '63.

A nozzle-type ash collector. A. A. Gurvits. Elek. sta. 33 no. 12:10-13 D '62.

Use of carborundum packing compounds for lining furnaces with liquid slag removal system. N. I. Voronin and others. Elek. sta. 33 no. 12:2-5 D '62.

FURNACES, HEAT TREATING

Electric furnace bath for isothermal hardening. V. N. D'lonkov, G. V. Rubin, O. V. Kiselevskaya. Trudy MIIT no. 169:27-30 '62.

FURNACES, HEAT TREATING—CONSTRUCTION

Improving the laying of rolling-out hearths of gas-oil heat-treating furnaces. B. M. Gaisin, F. F. Lepitov. Mashinostroenie no. 6:106 N-D '62.

FURNACES, HEATING

Gulunov, V. S. [Operation of soaking pits with liquid slag removal] Rabota nagrevatel'nykh kolodtsev pri zhidkom shlakodalenii. Moskva, Metallurgizdat, 1962. 110 p.

Kasonkov, M. A. [Heating arrangements in forges] Nagrevatel'nye ustroystva kuznechnogo proizvodstva. Moskva, Mashgiz, 1962. 472 p.

Malyi, S. A. [Introducing automatic control of holding furnaces] Avtomatizatsiya metodicheskikh pechel. Moskva, Metallurgizdat, 1962. 102 p.

Optimizing control of billet heating in a soaking pit. O. M. Kryzhanovskii, V. I. A. Soltyk, L. S. Panasiuk. Avtom. i prib. no. 3:15-18 Ji-S '62.

Oxidation and decarburization of steel in flame furnaces with incomplete combustion of natural gas. V. N. Kostakov, A. E. Erinov, Kuz.-shtam. proizv. 5 no. 1:20-33 Ja '63.

Theory of the motion of a billet on a slide. I. M. Vaisburd. Konstr. krup. mash. no. 1:139-154 '62.

FURNITURE

How to finish furniture. S. Kirillov. Stroitel' 9 no. 2: 29-31 F '63.

FURNITURE INDUSTRY see subdivision under Alma-Ata Province; Armenia

FURNITURE WORKERS—EDUCATION AND TRAINING

Connection between schools and the industries providing vocational training. M. Shafarenko. Prof.-tekhn. obr. 20 no. 1:7-8 Ja '63.

FUSED SALTS

Certain characteristics of melts in the system iron phosphate - chromium oxide. I. I. Bokov, G. I. Ludogovskii. Izv. AN Kazakh. SSR, Ser. met., obog. i ognep. no. 2:71-76 '63.

Interaction of tin chloride with chlorides of rare earth metals, iron, and sodium. Li Chi-fa [Li Chi-fa]. I. S. Morozov, Zhur. neorg. khim. 7 no. 12:2765-2770 D '62.

Refractometry of melts. Part 1: Nitrates of univalent cations. S. S. Batsanov, I. U. I. Vesnin. Zhur. strukt. khim. 4 no. 1:88-100 Ja-F '63.

FUSES (BLASTING)

Improve group igniting methods of a fuse. P. P. Dul'tsov, A. I. A. Rikubka. Vzyv. rab. no. 3:144-148 '65.

GABRIELOV, VASILI MIKHAILOVICH, 1903-1962

V. M. Gabriellov; obituary. Energ. stroit. no. 30:86 '62.

GAGARIN, IURI ALEKSEEVICH, 1934-

Iakovlev, S. M. [Our winged fellow countrymen; biographical sketches of Smolensk people active in Soviet aviation, aeronautics and space flight] Nashi krylatyye zemliaki; biografiicheskie ocherki o smolenskakh - dotatelakh otechestvennoi aviatsii, vozdukhoplavaniia i kosmonavtiki. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 185 p.

[Soviet man in outer space] Sovetskii chelovek v kosmos. [Sost. S. Garbuzov, V. Gol'tsev] Moskva, Izvestiya, 1961. 157 p. (Biblioteka "Izvestiya") (RPN)

GAKKEL', IAKOV IAKOVLEVICH, 1901-

I. A. Gakkel'. E. S. Korotkevich. Probl. Arkt. i Antark. no. 10:101-103 '62.

GALAXIES—CATALOGS

Vorontsov-Vol'laninov, B. A., and Kraenogorskaya, A. A. [Morphological catalog of galaxies] Morfologicheskii katalog galaktik. Moskva, Izd-vo Mosk. univ. Pl. 1. [Catalog of 7,200 galaxies with declinations from +90° to +45°] Katalog 7,200 galaktik ot +90 do +45 skloneniia. 1962. 205 p. (Moscow, Universitet, Gosudarstvennyi astronomicheskii institut. Trudy, vol. 32) [With summary in English]

GALICH DISTRICT—AGRICULTURE

A relay race is run through the district. F. Afanas'eva. Kul't.-prom. rab. 23 no. 6:18-19 Jo '62.

GALL BLADDER—CALCIFICATION

Differential diagnosis of calcification of the gall bladder and the biliary tracts. E. M. Arutunian. Vop. rent. i onk. 6:77-83 '61.

GALL BLADDER—DISEASES

Data on the study of some functions of the liver in diseases of the gallbladder and biliary tract. [In Georgian with summary in Russian]. F. V. Shotadze. Trudy Tbil. GIDUV 6:316-326 '62.

Functional state of the liver in chronic cholecystitis before and after treatment with erythromycin and levomycetin (with summary in English). P. G. Podorozhnyi. Vrach. delo no. 1:32-35 Ja '63.

Surgical treatment of cholecystitis (with summary in English). E. V. Smirnov. Vest. khir. 89 no. 1:33-41 N '62.

X-ray study of functional disorders of the stomach and the duodenum in calculous and non-calculous cholecystitis. B. B. Khanbabian. Vop. rent. i onk. 6:67-75 '61.

GALL BLADDER—RADIOGRAPHY

Cholecystographic data in patients with resected stomach. V. I. Lemesko. *Vrach, delo* no. 1:127-129 Ja '63.
Diagnostic possibilities of intravenous cholegraphy in the detection of diseases of the biliary tract and gall bladder [with summary in English]. S. M. Mikirtumov, G. I. Varnovitskii, K. F. Smirnova. *Sov. med.* 26 no. 12:25-28 D '62.

GALL SICKNESS see Anaplasmosis

GALLIC ACID

Kinetics of propyl gallate autooxidation in aqueous solution. L. S. Vartanian, L. M. Strigun, N. M. Emanuel'. *Dokl. AN SSSR* 148 no. 1:97-100 Ja '63.

GALLIUM ISOTOPES

Relative intensities of γ -lines in Ga^{72} . V. D. Vitman, N. A. Volnova, B. S. Dzheleпов. *Izv. AN SSSR, Ser. fiz.* 27 no. 2:249-257 F '63.

GALLIUM PLATING

Cathodic polarization during electrodeposition of gallium from aluminate solutions. Report No. 4. M. G. Manvelian, A. G. Eganian. *Izv. AN Arm. SSR, Khim. nauki* 15 no. 6:501-510 '62.
Cathodic polarization of gallium deposited from gallate solutions at temperatures above the melting point of gallium. Report No. 3. M. G. Manvelian, A. G. Eganian. *Izv. AN Arm. SSR, Khim. nauki* 15 no. 5:411-414 '62.

GALLS (BOTANY)

Effect of *Pontania proxima* Lep. (Tenthredinidae) on the growth of leaf blades of *Salix fragilis* L., their photosynthesis, chlorophyll and carotenoid content; on the pathogenicity of gallflies. E. I. Stapan. *Dokl. AN SSSR* 147 no. 5:1234-1237 D '62.

GALVANI, LUIGI, 1737-1798

Noteworthy dates in science and technology. *Shkola i proizv.* 6 no. 9:96 S '62.

GALVANOMETER

Two experiments with a mirror galvanometer. G. A. Lublanski. *Fiz. v shkole* 22 no. 6:51-53 N-D '62.

GAMES, BURYAT

Buryat public games. I. E. Tugotov. *Etn. sbor.* no. 2: 43-65 '61.

GAMES OF STRATEGY (MATHEMATICS)

Some remarks on a game played by a finite automaton against an opponent using a mixed strategy. M. L. Tsetlin. *Dokl. AN SSSR* 149 no. 1:52-63 Mr '63.

GAMMA GLOBULIN

Experience in the production of antineoplastic horse sera and gamma globulin. E. S. Shikina and others. *Trudy Len. inst. epid. i mikrobiol.* 22:55-63 '61.
Gamma globulins used in the prophylaxis and treatment of foot-and-mouth and Aujeszky's diseases in animals. I. I. Kazanski, V. E. Karneeva, Z. I. Deriabina. *Veterinaria* 37 no. 7:35-39 Ji '60.
Obtaining gamma globulins from hyperimmune leptospiriosis serum and their immunizing properties. R. Ignat'eva, G. Mikhoeva. *Sbor. stud. nauch. issl. rab. VSKHI* 1 no. 1:205-206 '62.
Preparation of anti-foot-and-mouth disease gamma globulin by the ammonium sulfate precipitation method (by means of acidifying) and its use in the prophylaxis of animals suffering from foot-and-mouth disease. Z. I. Deriabina. *Trudy VIEV* 26:75-81 '62.
Preparation of gamma globulins by ammonium sulfate precipitation and their testing in experimental brucellosis and Aujeszky's disease. V. E. Karneeva. *Trudy VIEV* 26:82-89 '62.
Relation between the influence of an immunoprotein stimulant on the higher nervous activity in animals and their original functional state determined by previous infectious disease. L. I. Kriachko. *Trudy Inst. vys. nerv. delat. Ser. fiziol.* 7:191-194 '62.
Titration of antineoplastic antibodies in donor sera and gamma globulin. L. M. Boichuk, E. S. Shikina, N. A. Plavreva. *Trudy Len. inst. epid. i mikrobiol.* 22:64-73 '61.
Use of gamma globulin for the prevention of infectious hepatitis in pediatric institutions. E. N. Shilakhov and others. *Trudy Kish. gos. med. inst.* 11:101-104 '60.

GAMMA-RAY SPECTROMETER

Relative intensities of γ -lines in Ga^{72} . V. D. Vitman, N. A. Volnova, B. S. Dzheleпов. *Izv. AN SSSR, Ser. fiz.* 27 no. 2:249-257 F '63.

GAMMA-RAY SPECTROMETRY

Gamma-ray spectra generated in neutron capture by heavy nuclei [with summary in English]. L. V. Groshev, A. M. Demidov, V. I. Pelekhov. *Trudy Inst. fiz. AN Gruz. SSR* 8:81-94 '62.

Gamma-ray spectrum of Eu^{150} decay. G. A. Kotelnikov, N. Shadiev. *Izv. AN SSSR, Ser. fiz.* 27 no. 2:266-280 F '63.

Possibility for using a toroidal sectorial magnetic field in gamma spectroscopy. E. A. Arutunian, I. U. V. Khol'nov, G. E. Shechukin. *Izv. AN SSSR, Ser. fiz.* 27 no. 2:177-181 F '63.

Study of γ -rays corresponding to the 1308 Kev. resonance in the reaction $Si^{28}(p, \gamma)^{29}Si$. A. K. Val'ter and others. *Izv. AN SSSR, Ser. fiz.* 27 no. 2:232-234 F '63.

GAMMA RAYS

Calculating the dosage inside a spherical source with Gaussian distribution of a γ -irradiator. I. U. A. Izrael'. *Atom. energ.* 14 no. 3:317-318 Mr '63.

Detection efficiency of a NaI (Tl) crystal for noncollimated γ -radiation. I. U. S. Korda, G. F. Timoshovskii, V. V. Remaev. *Atom. energ.* 14 no. 3:319-320 Mr '63.

Effect of temperature on the radiolysis of heptane adsorbed on Al_2O_3 . I. U. A. Kolbanovskii, I. U. V. Pelekhov, L. S. Polak. *Neftokhimiia* 3 no. 1:124-127 Ja-F '63.

Radiation-induced thermal cracking of petroleum hydrocarbons. Part 2: Radiation-induced thermal cracking in a uniform temperature and dose field of γ -radiation under pressures from 1 to 30 atm. A. V. Topchuev, L. S. Polak, V. D. Timofeev. *Neftokhimiia* 3 no. 1:114-123 Ja-F '63.

GAMMA RAYS—INDUSTRIAL APPLICATIONS

The experimental semi-industrial gamma-ray source GUEF-20, 000 [with summary in English]. A. V. Biber-gal', T. V. Tsetsikhadze, I. D. Artmeladze. *Trudy Inst. fiz. AN Gruz. SSR* 8:63-74 '62.

Killing silkworm cocoons by irradiation [with summary in English]. T. V. Tsetsikhadze. *Trudy Inst. fiz. AN Gruz. SSR* 8:103-107 '62.

Possible application of the gamma spectrum method to investigate processes of simultaneous diffusion of two components. P. V. Pavlov, V. A. Uskov. *Fiz. met. i metalloved.* 15 no. 1:105-108 Ja '63.

X rays and gamma rays in studying working processes of agricultural machines. S. K. Zaleskii. *Bul. nauch. tekhn. inform. SZNISKH* no. 3:63-67 '63.

GAMMA RAYS—PHYSIOLOGICAL EFFECT

Change in the sorptive characteristics of some tissues in hypophysectomized irradiated animals. V. A. Kazarian. *Izv. AN Arm. SSR, Biol. nauki* 15 no. 8:45-50 Ag '62.

Developmental anomalies and malformations of the central nervous system in the offspring of gamma-irradiated animals. A. I. Osipovskii and others. *Radiobiologia* 3 no. 1:88-92 '63.

Effect of irradiation on the activity of tyrosinase in the skin of mice and rats. E. A. Ivanikala, A. M. Kuzin. *Radiobiologia* 3 no. 1:17-20 '63.

Effect of ultraviolet and ionizing irradiations on hemopoiesis in the bone marrow of guinea pigs. T. A. Svider-skala, I. N. Filipson. *Radiobiologia* 3 no. 1:45-52 '63.

Role of the reactions of free cysteine with peroxide compounds in the biological effect of ionizing radiations. V. N. Benevolenskii. *Radiobiologia* 3 no. 1:13-16 '63.

Some data on the effect of urea peroxide on the recovery of infusoria after irradiation. A. S. Popov. *Radiobiologia* 3 no. 1:121-125 '63.

GAMMA RAYS—SAFETY MEASURES

Protection of animals from gamma rays with the help of some aminophenones. E. F. Romantsev, M. V. Tikhomirova. *Radiobiologia* 3 no. 1:126-129 '63.

GAMMA RAYS—THERAPEUTIC USE

Evaluation of the role of telogamma therapy in complex treatment of malignant tumors of the ovaries. I. D. Nuchayeva. *Vop. rent. ionk.* 6:139-146 '61.

Telogamma therapy for malignant tumors of the chest (the lungs and esophagus). V. A. Panardzhian, G. T. Grigorian, A. G. Adamian. *Vop. rent. ionk.* 6:147-154 '61.

GANGLIA, NERVOUS see Nervous system, Sympathetic

GANGRENE

Treatment of gangrene of the sigmoid [in Georgian with summary in Russian]. Sh. Z. Nemsitveridze. *Trudy Tbil. GIDUV* 6:459-467 '62.

GARA-BASHI RIVER—RUNOFF

Studying the discharge of the Gara-Bashi River using the hydrochemical method. V. L. Bilnova. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 9:103-116 '62.

GARAGES see subdivision under Leningrad

GARDENING

Autumn work on the restoration of neglected gardens. A. Z. Selivanov. *Shkola i proizv.* 6 no. 9:79-82 Ag '62.

GARMENT CUTTING—STUDY AND TEACHING

Instruction in cutting out and sewing for the students of eight-year schools. N. G. Mirzoeva. *Shkola i proizv.* 6 no. 8:40-43 Ag '62.

GARSHIN, VSEVOLOD MIKHAILOVICH, 1855-1888

Folklore elements in V. M. Garshin's work. D. M. Moldavskii. *Rus. fol'k.* 7:129-135 '62.

GAS, NATURAL—GEOLOGY

(see also subdivision under Apsheron Archipelago; Apsheron Peninsula; Azerbaijan; Carpathian Mountains; Caucasus; Crimea; Perm Province; Ural Mountain region; Uzbekistan; West Siberian Plain)

Basic results of prospecting for oil and gas in capitalist countries, 1961. M. K. Kalinko. *Geol. nefti i gaza* 7 no. 2:50-60 F '63.

Dakhnov, V. N., and A. I. Kholin, eds. [Using methods of field geophysics in studying gas-bearing reservoirs] *Primenenie metodov promyslovoi geofiziki pri izuchenii gazonosnykh kolektorov*. Moskva, Gostoptekhlizdat, 1962. 279 p.

"Oil and gas reservoirs in fields of the U. S. S. R." by A. A. Khanin. Reviewed by S. Sarkisian, E. Smekhov, E. Romm. *Geol. nefti i gaza* 7 no. 2: 61-62 F '63.

GAS, NATURAL—PIPELINES

(see also subdivision under Caspian Sea)

The Bukhara - Ural Mountain Region line. B. Vinogradova. *Na stroi. Ros.* 3 no. 2:3 of cover F '62.

Design of suspension bridges and gas pipelines for wind and seismic loads. I. I. Gol'denblat. *Trudy TSNIISK* no. 18:3-19 '62.

GAS AND OIL ENGINES

Coefficient of effective heat emission and relative losses in the cooling system using load characteristics. N. K. Shokotov. *Toplovov. i sud. dvig.* no. 3:31-43 '62.

Determination of an average index of an adiabatic curve. I. U. V. Zakhrebetkov. *Toplovov. i sud. dvig.* no. 3: 83-89 '62.

Effect of the blow-out of the combustion chamber of a four-cycle engine with gas turbine injection on the gas parameters in the exhaust collector. V. A. Zvonov. *Toplovov. i sud. dvig.* no. 3:44-57 '62.

Features of oil filtration with additives in D100 engines. E. V. Turchak. *Toplovov. i sud. dvig.* no. 3:268-277 '62.

"Free-piston engines" [in Armenian] by E. A. Mkrtumian, A. V. Terzian. Reviewed by B. Avakian. *Prom. Arm.* 5 no. 12:75-77 D '62.

GAS AND OIL ENGINES—ABSTRACTS

[Internal-combustion engines] Ref. zhur.: *Dvig. vnutr. sgor.* nos. 1-4 Ja-Apr '63.

GAS AS FUEL

Standards for the consumption of gas in the home in rural areas. S. Shmel'tsenig, V. Smirnov. *Zhil.-kom. khoz.* 12 no. 10:27 O '62.

GAS AS FUEL—SAFETY MEASURES

Provide for work safety in the operation of gas-fired equipment. P. G. Ushakov. *Metallurg* 8 no. 2:13 F '63.

GAS BURNERS

Comparison of certain burner arrangements by their ionizing characteristics. M. A. Glinkov, B. G. D'kachkov. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:179-184 '63.

GAS BURNERS—SAFETY MEASURES

"Safe operation of gas equipment of industrial furnaces and boilers" by M. A. Neechov. Reviewed by I. U. M. Belodvorskii. *Bezop. truda v prom.* 6 no. 11:36 N '62.

GAS CHROMATOGRAPHY

Separation in preparative columns. K. I. Sakodinskii and others. *Dokl. AN SSSR* 148 no. 2:394-396 Ja '63.

GAS DISTRIBUTION

Brief information. *Prom. energ.* 18 no. 2:48-49 F '63.
Zhukovskaya, Z. I., and others. [Use of natural gas in power engineering] *Ispol'zovanie prirodnogo gaza v energetike*. Minsk, Izd-vo Akad. nauk BSSR, 1962. 191 p.

GAS DYNAMICS

Concerning the movement of cotton particles in a gas flow. B. S. Krylov, A. F. Sorokin. *Izv. vys. ucheb. zav.; energ.* 6 no. 1:111-114 Ja '63.

Effect of long shock waves on a solid body. S. S. Grigorian. *PMTF* no. 1:124-125 Ja-F '63.

Motion of a gas caused by a concentrated blow striking its surface (in surface explosions). I. U. P. Reizer. *PMTF* no. 1:56-60 Ja-F '63.

Nonisothermal flow of a real gas in a gas line [with summary in English]. B. V. Shalimov. *Inzh.-fiz. zhur.* 8 no. 2:95-101 F '63.

Solution of a one-dimensional plane problem involving the motion of a piston in an ideally heat-conducting gas. P. P. Vozosovich and others. *Zhur. vych. mat. i mat. fiz.* 3 no. 1:159-169 Ja-F '63.

GAS FLOW

Effect of a transverse mass flow on skin friction and heat transfer in turbulent flow of a compressible gas [with summary in English]. P. N. Romanenko, V. N. Kharchenko. *Inzh.-fiz. zhur.* 6 no. 2:52-59 F '63.

Measuring the components of the fluctuation velocity by means of a unifilar thermocouple [with summary in English]. V. V. Skobunov. *Inzh.-fiz. zhur.* 5 no. 12:23-26 D '62.

GAS FLOW (Continued)

Study of the temperature jump during the flow of rarefied air close to a hard wall. S. I. Gribkova, L. S. Shimenko. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:11-19 Mr-Apr '62.
Symmetric stationary problem of isothermal gas diffusion. V. A. Malyshev. Zhur. tekh. fiz. 32 no. 12:1482-1483 D '62.

GAS INDUSTRY

(see also subdivision under Armenia; United States)
Objectives of workers of the gas and oil refining industry for 1963. Khim. i tekh. topl. i masel 8 no. 1:1-3 Ja '63.

GAS METERS—TESTING

Testing of rotary gas meters after repairing and under operating conditions. A. N. Pavlovskii. Izv. tekh. no. 2:54-59 F '63.

GAS PIPES

Use of epoxide resins in laying gas pipelines in houses. V. V. Karmnev. Plast. massy no. 1:46-48 '63.

GAS-TURBINE LOCOMOTIVES

Prospects for the expansion of gas-turbine traction. E. T. Bartosh, N. V. Kolodiaznyi. Zhel. dor. transp. 45 no. 2:23-26 F '63.
Selecting the optimum rated temperature of the outdoor air for a locomotive gas-turbine plant. V. P. Demidov. Trudy MII no. 151:112-117 '62.
Selecting the type of air filter for powerful diesel and gas-turbine locomotives. V. D. Kuz'mich. Trudy MII no. 151:102-111 '62.

GAS-TURBINE LOCOMOTIVES—PERFORMANCE

Sensitivity of locomotive gas-turbine plants to atmospheric temperature changes. V. P. Demidov. Trudy MII no. 151:118-134 '62.

GAS TURBINES

Berman, S. S. [Calculation of heat exchangers of turbine systems] Raschet topl. obmennykh apparatov turboostanovok. Moskva, Gosenergoizdat, 1962, 239 p.
Effect of the binding on the efficiency of a turbine stage. A. A. Klimtsov. Izv. vys. ucheb. zav. energ. 8 no. 1:59-63 Ja '63.
Fluctuations of temperature and thermal stresses inside a turbine blade with pulsating gas temperature (with summary in English). E. T. Plotkin, E. I. Molchanov. Izv. fiz. zhur. 6 no. 2:25-30 F '63.
A high-speed temperature-limiting controller for gas turbine systems. V. P. Marchevskii, G. D. Sobolevskii. Energ. i elektrotekh. prom. no. 4:13-10 O-D '62.
Power losses in turbine stages with and without bandings. I. I. Kirillov, A. A. Klimtsov. Teploenergetika 10 no. 2:30-35 F '63.
Scientific technological session on problems of the construction of gas turbines. N. N. Stul'nikov. Vest. AN SSSR 33 no. 2:126-127 F '63.
Study of the thermal fatigue of turbine nozzle blades made from EI 967A and EI 745 alloys. G. N. Tret'yachenko, R. I. Kurini, L. V. Kravchuk. Energ. i elektrotekh. prom. no. 4:19-22 O-D '62.

GAS TURBINES—COOLING

Experimental study of the hydraulic resistance of the intake of a gas turbine rotor air cooling system. F. Z. Ratner. Teploenergetika 10 no. 2:45-50 F '63.

GAS TURBINES—TESTING

Design and experimental investigation of the air-gas flow area of the traction turbine of a gas-turbine engine. M. P. Belsakov. Avt. prom. 29 no. 2:17-20 F '63.

GAS WELDING AND CUTTING

Classification of oxygen cutting by the surface quality of the cuts. S. G. Gusev. Svar. proizv. no. 2:42-44 F '63.
Consultations in answer to letters from readers. A. N. Shashkov, T. V. Berg. Svar. proizv. no. 1:48 Ja '63.
Heat treatment of weldments made by pressure gas welding. T. A. Vladimirovskii. Svar. proizv. no. 1:12-13 Ja '63.
Sektor, O. Sh. [Oxygen-flux cutting of stainless steel] Kislородно-флюсовая резка нержавеющей стали. Moskva, Mashgiz, 1962, 169 p.
Use of natural gas for cutting, welding and soldering of metals. N. Sinagin. Prof. -tekh. obr. 19 no. 11:32 N '62.

GAS WELDING AND CUTTING—EQUIPMENT AND SUPPLIES

Device for cutter cooling on the UDR-2-58 unit. B. D. Vershinin. Svar. proizv. no. 1:41 Ja '63.
Increasing the output of acetylene distribution systems. D. I. Tesmenitskii, D. M. Ofitserov. Svar. proizv. no. 1:30-32 Ja '63.
New oxygen-cutting machines. G. A. Kravetskii. Biol. tekh. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekh. inform. no. 2:28-29 '63.
Nozzle for the DSh-54 holder for welding in a carbon dioxide atmosphere. V. I. Ioffe, A. F. Kobalov. Mont. i spets. rab. v stroit. 25 no. 3:28 Mr '63.
Operation of an MDM-2 seate tracing machine with photoelectric control. E. A. Rabotnov. Svar. proizv. no. 1:36-37 Ja '63.

Replacing acetylene by propane in the repair of agricultural machinery. IU. A. Kalachev. Svar. proizv. no. 1:23-24 Ja '63.

Using the K-51 manual petroleum cutting torch on the ASSH-2 machine. V. IA. Podoprigrora, I. S. Zaitsev. Svar. proizv. no. 2:41-42 F '63.

GAS WELLS see subdivision under Krasnodar Territory

GASEOUS PLASMA see Plasma (ionized gases)

GASES

Determining the specific surface area of highly dispersed powders by the method of rarefied gas diffusion. G. S. Khodakov. Dokl. AN SSSR 148 no. 3:581-584 Ja '63.
Injection of gases into a turbulent boundary layer with a longitudinal pressure gradient and its effect on frictional resistance. P. N. Romanenko, V. N. Kharchenko. PMTF no. 1:77-83 Ja-F '63.

GASES—ANALYSIS

The MOK magnetic gas analyzer for determining high oxygen concentrations. V. A. Save'ev and others. Avtom. i prib. no. 3:69-71 Ji-S '62.

GASES—PURIFICATION

Efficient system for the purification of gases in fluid-bed pyrite roasters. V. N. Uzhov. Khim. prom. no. 11:848-851 N '62.
Technology of blast furnace gas purification and the design of scrubbers. A. I. Shlakin, V. N. Ermolaev. Stal' 23 no. 2:176-178 F '63.

GASES—THERAPEUTIC USE

Effect of gas baths on oxyhemometric indices in hypertension (with summary in English). T. A. Vasil'eva. Vrach. delo no. 11:29-33 N '62.

GASES IN MINES see Mine gases

GASES IN THE BLOOD see Blood, Gases in

GASES AT HIGH TEMPERATURES

Vibrational relaxation and interaction of molecules in oxygen at high temperature. N. A. Generalov, S. A. Losev. PMTF no. 1:145-150 Ja-F '63.

GASES IN METALS

Gas segregation during the crystallization of low-carbon silicon steel. E. I. Moshkevich. Stal' 23 no. 1:34-37 Ja '63.

GASOLINE

Obtaining acetylene by means of the pyrolysis of casing-head gasoline. Kh. Grigor'yan. Prom. Arm. 5 no. 12:31-34 D '62.
Pyrolysis of straight-run gasoline in a flow of a superheated water vapor. V. I. Maiorov, T. N. Makhina. Khim. i tekh. topl. i masel 8 no. 1:34-38 Ja '63.

GASTROINTESTINAL HEMORRHAGE

"Diagnosis of upper gastrointestinal hemorrhage" [in English] by E. Palmer. Reviewed by I. M. Grigorovskii. Klin. khir. no. 12:78-80 D '62.

GASTROINTESTINAL MOTILITY

Motor function of the stomach in infectious hepatitis (Botkin's disease). E. IA. Kurt-Iakovets. Trudy Kish. gos. med. inst. 11:125-135 '60.

GASTROPODA see subdivision under Karelia

GASTROPODA, FOSSIL see subdivision under Siberian Platform

GATCHINA DISTRICT—STATE FARMS—AUDITING AND INSPECTION

Semenov, I. A. [Party control on state farms] Partitnyi kontrol' v sovkhوزه. [Leningrad] Lenizdat, 1962, 18 p. (Biblioteka sekretaria sel'skoi partorganizatsii)

GATCHINA REGION—FARM MECHANIZATION

Glorious deeds have powerful wings. N. Rodin. Blok. agh. [Len.] no. 2:31-36 Ja '63.

GATES

Automatic opening and closing of double-wing gates. V. Grabchenko. Avt. transp. 41 no. 1:24-25 Ja '63.

GATES, HYDRAULIC

Thermal stresses in cross bars of flat gates of hydraulic structures. G. S. Dubinskii. Sbor. trud. MIF no. 18:38-55 '62.

GAUGES

Device for measuring external dimensions of oval bodies. B. A. Shaplevskii. Izv. tekh. no. 2:22-23 F '63.
Devices made by the innovators of the Kirov Plant. V. I. Zhukov. Mashinostroitel' no. 1:28 Ja '63.

GAUGES—TESTING

Effect of the micro and macrogeometry of measuring surfaces of gauge blocks on their fitness. Z. I. Kremen'. Izv. tekh. no. 2:19-21 F '63.

GEAR CUTTING

Kogan, G. I. [Finishing gear wheels] Odelka zubchatykh kolez. 2, perer. izd. Pod obshch. red. N. I. Kolchina. Moskva, Mashgiz, 1962, 118 p. (Biblioteka zuboreza, no. 7)

Technological possibilities for increasing the reliability of gears. D. N. Reshetov, A. I. Korabiev. Vest. mashinost. 43 no. 1:65-70 Ja '63.

GEAR-CUTTING MACHINES

The 543 gear-milling master machine. N. S. Burgomistrov. Biol. tekh. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekh. inform. no. 1:31-33 '63.

Printsental', S. G. [Modernization of gear-milling machines for the improvement of their precision] Modernizatsia zuboreznykh stankov dlia povysheniia kch tochnosti; opyt Nevskogo zavoda imeni V. I. Lenina. Leningrad, 1962, 17 p. (Leningradskii dom nauchno-tehnicheskoi propagandy. Obmen poredovym opytom, Seriya: Mekhanicheskaya obrabotka metallov, no. 27)

GEAR-CUTTING MACHINES—ATTACHMENTS

Attachment for cutting gears. P. Perepelkin. Shkola i proizv. 7 no. 1:74-76 Ja '63.

GEARING

Activity of the Committee on the Strength of Gears. M. B. Groman. Vest. mashinost. 43 no. 1:91-92 Ja '63.
Electric slag welding of gear-wheel blanks. III. I. Simonov, N. N. Ermakov. Avtom. svar. 16 no. 1:75-79 Ja '63.
Experimental determination of the efficiency of reducing gears. M. I. Afimov. Konstr. krup. mash. no. 1:3-50 '62.
Present state and objectives in the production of gear wheels with forged teeth. A. M. Smurov. Kuz. -shtam. proizv. 5 no. 1:33-37 Ja '63.

Vulgakov, E. B. [Gears with modified initial rake contour] Zubchatye peredachi modifitsirovannogo iskhodnogo rechnogo kontura. Moskva, Mashgiz, 1962, 98 p.

Zhdanova, A. V. [Mechanisms for the transmission of rotary motion] Mekhanizmy peredachi vrashchatel'nogo dvizheniia. Moskva, Mashgiz, 1962, 78 p. (Nauchno-populiarnaya biblioteka molodogo rabochego)

GEARING—LUBRICATION

Gerasator, V. N. [Results of increasing the load capacity of gears by selecting oil grades and additives] Effekt povysheniia nagruzchnoi sposobnosti zubchatykh peredach za schot vybora sortov masel i prikladok. Leningrad, 1962, 26 p. (Leningradskii dom nauchno-tehnicheskoi propagandy. Obmen poredovym opytom, Seriya: Mekhanicheskaya obrabotka metallov, no. 20)

GEARING—STANDARDS

Taitis, B. A., and N. N. Markov. [Precision standards and control of gear wheels] Normy tochnosti i kontrol' zubchatykh kolez. Pod obshch. red. N. I. Kolchina. Moskva, Mashgiz, 1962, 103 p. (Biblioteka zuboreza, no. 6)

GEARING—TABLES, CALCULATIONS, ETC.

Calculating the shape and size factor for the engagement of gear drives of two- and four-crank presses. V. N. Tynianov. Kuz. -shtam. proizv. 5 no. 1:14-18 Ja '63.
Selecting correction factors for gear drives of two- and four-crank presses. S. V. Razorenov. Kuz. -shtam. proizv. 5 no. 1:19-20 Ja '63.

GEDENSHTRUM RIVER—HYDROLOGY

Hydrological investigations of the Gedenstrom River (Novaya Sibir' Island). R. K. Sisko. Probl. Arkt. i Antarkt. no. 10:39-46 '62.

GEES see subdivision under Estonia

GEIGER, HANS, 1892-1945

Noteworthy dates in science and technology. Shkola i proizv. 6 no. 8:95-96 Ag '62.

GENEALOGY

Family registers of the middle of the 16th century. M. E. Bychkova. Trudy MGAI 16:476-489 '61.

GENERALIZED SPACES see Spaces, Generalized

GENERATIVE ORGANS, FEMALE—DISEASES

Treatment of trichomonal diseases of the sexual organs of a woman by the "Jutemurin" preparation. V. N. Vlasov. Nauch. trudy Chel. Mosk. gor. khim. bol'. no. 1:295-301 '61.

GENETICS

For materialistic biology. N. I. Feiginson. Biol. v shkole no. 6:71-70 N-D '62.

GENISTA see subdivision under Carpathian Mountains

GENITOURINARY ORGANS

Kraev, A. V., and L. E. Ettingen. [Lymphatic system of the human urogenital organs] Lymphaticheskaya sistema mocheopolovnykh organov cheloveka. Stalinabad, 1961, 119 p. (Dushanbe. Gosudarstvennyi meditsinskii institut. Trudy, vol. 48) (DNLM)

GEOCHEMICAL RESEARCH see subdivision under Great Britain

GEOCHEMISTRY

(see also subdivision under Uzbekistan)

"Geochemistry of isotopes" by A. Polanski. Reviewed by G. Votkevich. *Izv. AN SSSR, Ser. geol.* 27 no. 12: 117-118 D '62.
Some data on the geochemistry of beryllium in pegmatites. T. I. Timchenko, Li Chao-ling. *Trudy Min. muz.* no. 13:128-134 '62.

GEODESY

Gauss-Tobey differential adjustment. O. B. Sheinin. *Izv. vya. ucheb. zav. geod. i aerof.* no. 4:97-98 '62.

GEODESY—ABSTRACTS

[Geodesy] Ref. zhur. : Geod. nos. 1-2 Ja-F '63.

GEODESY—SAFETY MEASURES

Russia (1923- U. S. S. R.) Glavnoe upravlenie geodezii i kartografi. [Safety rules for topographic and geodesic work. In effect from October 1, 1962]. *Pravila po tekhnike bezopasnosti na topografno-geodezicheskikh rabotakh. Vvoditsia v delistvie s 1 oktiabria 1962 g.* Moskva, Izd-vo geodez. lit-ry, 1962. 73 p.

GEODESY—TERMINOLOGY

Organizing the terminology of geodesy. V. A. Chervinskoy. *Geod. i kart.* no. 12:22-25 D '62.

GEOGRAPHICAL RESEARCH see subdivision under Siberia; Soviet Far East; United States

GEOGRAPHY

(see also subdivision under Antarctic regions; Czechoslovakia; Germany; Siberia)

Foreign geographers visit the U. S. S. R. I. A. G. Mashbits, M. P. Britayna. *Izv. AN SSSR, Ser. geog.* no. 1:154-156 Ja-F '63.

[On land and sea; tales, stories, and sketches] Na sushe i na more; povesti, rasskazy, ocherki. Moskva, Geografiz, 1962. 645 p. (Puteshestviia, priklicheniia, fantastika)

GEOGRAPHY—ABSTRACTS

[Geography] Ref. zhur. : Geog. nos. 2-3 F-Mr '63.

GEOGRAPHY—BIBLIOGRAPHY see Bibliography—Geography

GEOGRAPHY—STUDY AND TEACHING

Control over the teaching of geography. F. N. Sheviakov. *Vech. sred. shkola* 5 no. 6:84-89 N-D '62.

GEOGRAPHY—YEARBOOKS

[The land and the people; geographical calendar for 1963] Zemlia i ljudi; geograficheski kalendari 1963. Moskva, Geografiz, 1962. 303 p.

GEOGRAPHY, ECONOMIC

(see also subdivision 'Economic geography' under China; Leningrad Economic region)

"World economic geography with an emphasis on principles" [in English] by Earl B. Shaw. Reviewed by B. N. Semevskii. *Uch. zap. LGU* no. 315:125-141 '62.

GEOGRAPHY, MEDIEVAL

Abu-Rathan al-Biruni on the possibility of the existence of the western continent. Kh. Khasanov. *Izv. AN SSSR, Ser. geog.* no. 1:106-108 Ja-F '63.

GEOLOGICAL RESEARCH see subdivision under Uzbekistan

GEOLOGICAL SURVEYS

Babankin, F. S. [Practical photography in geological surveys and mining engineering] *Prakticheskaya foto-grafiia v geologorazvedochnom i gornom dele.* Moskva, Gosgeoltekhizdat, 1962. 206 p.

Grin, M. F. [Hidden treasures of "old" regions] *Klady "starykh" raiionov.* Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, XII Seriya; Geologiya i geografiia, no. 4)

Two books for prospectors. I. V. Komarovskii. *Bezop. truda v prom.* 7 no. 2:35-36 F '63.

GEOLOGICAL SURVEYS—COSTS see subdivision under Kazakhstan

GEOLOGICAL SURVEYS—SAFETY MEASURES

Competition on safety measures in geological surveying. *Bezop. truda v prom.* 6 no. 11:37 N '62.

GEOLOGICAL TIME

(see also subdivision under Tarkhankut Peninsula; Ural Mountains)

Some geological results and problems of investigation in determining the absolute age of geological formations. G. D. Afanas'ev. *Izv. AN SSSR, Ser. geol.* 28 no. 3:29-39 Mr '63.

GEOLOGY

(see also subdivision under Alps; Altai Mountains; Antarctic regions; Caucasus; Chu Valley; Crimean Mountains; Kara-Tau; Kazakhstan; Sary-Su Valley; Sayan Mountains; Siberia; Sikhote-Alin' Range; Uzbekistan; Vilim Plateau; Yenisey Ridge)

Expanding geological research in the Academy of Sciences and the Ministry of Geology and Preservation of Mineral Resources of the U. S. S. R. *Izv. AN SSSR, Ser. geol.* 28 no. 1:3-8 Ja '63.

Geological cycles. N. F. Balukhovskii. *Priroda* 52 no. 2:54-58 '63.

Present status of and general trends in the development of geology in the U. S. S. R. D. I. Shcherbakov. *Izv. AN SSSR, Ser. geol.* 28 no. 1:9-18 Ja '63.

Ways for the further development of Soviet geology. *Uzb. geol. zhur.* 6 no. 6:5-6 '62.

GEOLOGY—ABSTRACTS

[Geology] Ref. zhur. : Geol. nos. 2-3 F-Mr '63. Avtorskii ukazatel' za 1962 g.

GEOLOGY—BIBLIOGRAPHY see Bibliography—Geology

GEOLOGY—MAPS

(see also subdivision under Volgograd Province; Vorkuta region)

Geological prerequisites for surveying crystalline complexes. B. M. Ronenson. *Mat. po geol. i pol. iskop. Urala* no. 10:13-44 '62.

GEOLOGY—STUDY AND TEACHING

Conference of the teaching staff of the Department of Geology on philosophical problems in the study of geology. T. A. Kazakevich, G. A. Kryngol'ts. *Vest. LGU* 17 no. 24:163-164 '62.

GEOLOGY, ECONOMIC

(see also subdivision under Dzhuzkazgan District; Uzbekistan)

Geologic and economic estimates of copper ore deposits. N. L. Ovchinnikov, D. V. Zabugorov. *Mat. po geol. i pol. iskop. Urala* no. 10:157-167 '62.

GEOLOGY, STRATIGRAPHIC

(see also subdivision under Altai Mountains; Amur Valley; Angara Valley; Apsheon Peninsula; Black Sea region; Carpathian Mountains; Caspian Lowland; Caspian Sea; Caspian Sea region; Caucasus; Chirchik Valley; Chulym Valley; Dnieper Valley; Fergana; Gornaya Shoriya; Karelia; Kobystan; Kura Lowland; Russian Platform; Russkaya Bektyashka region; Skovorodino District; Tatar A. S. S. R.; Transcarpathia; Turkmenistan; Ufa region; Ulu-Tau; Ural Mountains; Yenisey Valley; Yergeni Hills; Zalomnaya Depression) *Akademiia nauk Gruzinskoi SSR, Tbilisi. Geologicheskii institut. [Subdivision of the Lower Cretaceous of the Alpine zone]. Podrazdeleniie nizhnego mela Al'piskoi zony. [By] M. S. Erstavil, Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 113 p. (Iis Monografiia, no. 11)*

GEOLOGY, STRUCTURAL

(see also subdivision under Altai Mountains; Arctic regions; Bashkiriia; Black Sea Lowland; Bothnia Gulf region; Carpathian Mountains; Caspian Sea region; Cilina; Dnieper-Donets Lowland; Far East; Irkutsk Province; Kaliningrad Province; Kandalaksha Bay region; Kazakhstan; Kyulindge Valley; Pamirs; Poloussy Range region; Siberia, Eastern; Sikhote-Alin' Range; Transcarpathia; Transcaucasia; Turan Lowland; Ural Mountains; Volga-Ural region; Zyryanka Valley)

Formation of troughs. I. U. G. Simonov. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 9:40-47 '62.

Main types of geosynclinal troughs in the alpine folded region. M. V. Muratov. *Dokl. AN SSSR* 147 no. 6: 1151-1153 D '62.

Methods for studying the tectonics of closed areas. I. G. Gol'braukh and others. *Geol. nefi i gaza* 7 no. 2:44-48 F '63.

Second All-Union Conference on Tectonics. *Izv. AN SSSR, Ser. geol.* 27 no. 12:128-131 D '62.

Tectonics of sediments underlying producing formations. B. V. Grigor'iants. *Azerb. nefi, khoz.* 41 no. 11:9-11 N '62.

Volumetric expansion of rocks, a possible cause of tectonic deformations. I. V. Kirillova. *Izv. AN SSSR, Ser. geol.* 28 no. 1:93-101 Ja '63.

GEOLOGY, STRUCTURAL—TERMINOLOGY

Akademiia nauk SSSR. Sibirskoe otdeleniie. Institut geologii i geofiziki. [Materials on tectonic terminology] *Materialy po tektonicheskoi terminologii.* Novosibirsk.

Pt. 1. [Large crustal structures and geological formations] *Krupnye struktury zemnoi kory i geologicheskie formatsii.* 1961. 154 p. (Iis Trudy, no. 12)

GEOMETRY

Luboshits, M. I. [Geometrical characteristics of a cross section] *Geometricheskie kharakteristiki secheniia.* Minsk, Izd-vo M-vy vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 132 p.

On a machine language for geometry and translation algorithms from Russian into this language (to be continued). A. V. Kuznetsov, E. V. Paducheva, N. M. Ermolaeva. *Maeh. perev. i prikl. ling.* no. 5:3-21 '61.

GEOMETRY—STUDY AND TEACHING

One of the main causes of poor progress by sixth-grade geometry students. I. A. I. Grudenov. *Dokl. APN* 6 no. 5:39-42 '62.

GEOMETRY, ANALYTIC

Bakhvalov, S. V., L. I. Babushkin, and V. P. Ivanitskii. [Analytic geometry; textbook for pedagogical institutes] *Analiticheskaya geometriia; uchebnik dlia pedagogicheskikh institutov.* Pod red. S. V. Bakhvalova. Izd. 2., perer. Moskva, Uchpedgiz, 1962. 287 p.

Moscow, Institut narodnogo khozinstva. [New presentation of the theory of conic sections] *Teoriia konicheskikh sechenii v novom izlozhenii; uchebnoe posobie.* Moskva, 1962. 34 p.

GEOMETRY, DESCRIPTIVE

Al'tshuler, I. S. [Short course in descriptive geometry] *Kratkii kurs nachertatel'noi geometrii.* Minsk, Izd-vo M-vy vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 252 p.

Analytic method for developing the line of intersection of circular and elliptic cylinders with hyperbolic cylinders. M. S. Stalevskii. *Trudy NPI* 123:35-43 '61.

Analytic method for developing the line of intersection of circular and elliptic cylinders with the highest possible accuracy. M. S. Stalevskii. *Trudy NPI* 123: 21-35 '61.

Construction of projections of the line of intersection of the surfaces of polyhedra. T. V. Vasil'eva. *Trudy NPI* 123:45-49 '61.

Determining the natural magnitude of the angle of inclination of a straight line and a plane to the planes of projections. V. P. Mikhailov. *Trudy NPI* 123:16-26 '61.

Gordon, V. O., and M. A. Semenov-Oglovskii. [Course in descriptive geometry] *Kurs nachertatel'noi geometrii.* Izd. 4., perer. i ispr. Pod red. V. O. Gordona. Moskva, Fizmatgiz, 1962. 350 p.

Graphic analysis method for transforming a complex drawing. V. P. Mikhailov. *Trudy NPI* 123:5-17 '61.

GEOMETRY, MODERN

Gelfand, I. M., M. I. Graev, and N. I. A. Vilenkin. [Integral geometry and problems of the theory of representations connected with it] *Integral'naya geometriia i svyazannyye s nei voprosy teorii predstavlenii.* Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 656 p. (Obobshchennyye funktsii, no. 5)

GEOMORPHOLOGY see subdivision under Antarctic regions; Arctic regions; Leningrad; Siberia, Eastern; Vologda Province

GEOMORPHOLOGY—CONGRESSES

Plenum of the Geomorphological Commission. S. K. Gorelov. *Vest. AN SSSR* 33 no. 2:117 F '63.

GEOPHYSICAL INSTRUMENTS

Sayosin, S. I., ed. [Portable neutron generators in nuclear geophysics] *Portativnye generatory neutronov v iadernoi geofizike; sbornik statei (po sovetakini i zarubezhnym rabotam).* Moskva, Gosatomizdat, 1962. 203 p.

GEOPHYSICAL RESEARCH

(see also subdivision under Antarctic regions)

Geophysical research during the period of the International Years of the Quiet Sun. *Priroda* 52 no. 2: 110-111 '63.

Program for scientific observations during the International Year of the Quiet Sun. *Vest. AN SSSR* 33 no. 2:112-114 F '63.

GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur. : Geofiz. no. 3 Mr '63.

GEOPHYSICS—OBSERVATIONS see subdivision under Antarctic regions

GEORGIA—AGRICULTURE—FINANCE

First results. A. Ashchian. *Fin. SSSR* 37 no. 1:75-76 Ja '63.

GEORGIA—ALLUVIAL LANDS

Effect of growth factors on the plantations of hardwood species in the region of floodland forests [in Georgian with summary in Russian]. G. S. Vachnadze. *Trudy Inst. lesa AN Gruz. SSR* 11:135-152 '62.

GEORGIA—ELECTROMAGNETIC PROSPECTING

Magnetotelluric sounding in Georgia. G. A. Cherniavskii, G. E. Gugunava. *Izv. AN SSSR, Ser. geofiz.* no. 1:147-151 Ja '63.

GEORGIA—FIR

Forest litter of spruce-fir stands in eastern Georgia [in Georgian with summary in Russian]. N. G. Tarasashvili. *Trudy Inst. lesa AN Gruz. SSR* 11:91-112 '62.

Structure of spruce-fir stands and efficient methods of their economic utilization [in Georgian with summary in Russian]. D. O. Saradzishvili. *Trudy Inst. lesa AN Gruz. SSR* 11:113-126 '62.

GEORGIA—FOREST LITTER

Forest litter of spruce-fir stands in eastern Georgia [in Georgian with summary in Russian]. N. G. Tarasashvili. *Trudy Inst. lesa AN Gruz. SSR* 11:91-112 '62.

GEORGIA—FOREST SOILS

Interchange of mineral substances between plants and soil in hardwood forests of eastern Georgia [in Georgian with summary in Russian]. G. M. Tarasashvili, M. V. Kashbadze. Trudy Inst. lesa AN Gruz. SSR 11: 65-76 '62.

GEORGIA—GLYPTICS

Lordkipanidze, M. N. [Gems of the Georgian State Museum] Gemmy Gosudarstvennogo Muzeya Gruzii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. [In Georgian and Russian] Vol. 3. [Catalog of ancient glyptics found on Georgian territory] Katalog pamtatnikov gliptiki, naidennykh na territorii Gruzii. 1961. 88 p. plates.

GEORGIA—HARDWOODS

Effect of growth factors on the plantations of hardwood species in the region of floodland forests [in Georgian with summary in Russian]. G. S. Vachnadze. Trudy Inst. lesa AN Gruz. SSR 11:135-152 '62.

Interchange of mineral substances between plants and soil in hardwood forests of eastern Georgia [in Georgian with summary in Russian]. G. M. Tarasashvili, M. V. Kashbadze. Trudy Inst. lesa AN Gruz. SSR 11: 55-76 '62.

GEORGIA—HEALTH RESORTS, WATERING PLACES, ETC.

Treatment of patients with cardiovascular diseases at Georgian health resorts. G. V. Tsilnadze. Trudy Tbil. GIDUV 6:141-148 '62.

GEORGIA—HISTORY

Along Lenin's road; on the 40th anniversary of Soviet Georgia. M. K. Delba. Trudy Abkhaz. inst. iaz. i lit. 1: 32:19-34 '61.

GEORGIA—LUMBERING

Mechanization of lumbering and its effects on the remaining growing trees, young growth, and sprouts in selective felling of varied intensity. A. D. Lagidze. Trudy Inst. lesa AN Gruz. SSR 11:213-227 '62.

GEORGIA—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Innovators in motor-vehicle repair shops. G. Avlakhov. Avt. transp. 41 no. 1:7 Ja '63.

GEORGIA—POLIOMYELITIS

Clinical aspect and pathomorphology of acute poliomyelitis in Georgia [in Georgian with summary in Russian]. P. M. Saradzishvili and others. Trudy Tbil. GIDUV 6:95-103 '62.

GEORGIA—RURAL LIBRARIES

Support the people's initiative. I. Tulashvili. Kul't. - pros. rab. 23 no. 8:12-13 Ag '62.

GEORGIA—SPRUCE

Forest litter of spruce-fir stands in eastern Georgia [in Georgian with summary in Russian]. N. G. Tarasashvili. Trudy Inst. lesa AN Gruz. SSR 11:91-112 '62.

Structure of spruce-fir stands and efficient methods of their economic utilization [in Georgian with summary in Russian]. D. G. Saradzishvili. Trudy Inst. lesa AN Gruz. SSR 11:113-126 '62.

GEORGIA—TRICHINA AND TRICHINOSIS

Data on trichinosis in Georgia [in Georgian with summary in Russian]. G. M. Maruashvili. Trudy Tbil. GIDUV 6:89-93 '62.

GEORGIA—WAGES—CONSTRUCTION INDUSTRY

Advantages of mixed brigades and accounting for individual output. I. Khoperia, T. Shatova. Sots. trud 7 no. 12:193-198 D '62.

GEORGIAN LANGUAGE—DICTIONARIES

Akademlia nauk Gruzinskoi SSR, Tiflis. [Explanatory dictionary of the Georgian language] Tolkovy slovar' gruzinskogo iazyka. Glav. red. G. Akhvediani i dr. Pod obshchei red. Arn. Chikobava. Tbilisi, Izd-vo Akad. nauk, SSR. [In Georgian] Vol. 7. Red. K. Lomtadze, S. Mantreshashvili, P. Gachechiladze. 1962. 1480 columns.

Philosophical sources of the "Georgian dictionary" by Sukhan-Saba Orbeliani [in Georgian with summary in Russian]. G. Dadabishvili. Trudy Inst. filol. AN Gruz. SSR 11:207-222 '62.

GERDAN-ZAKLYNS'KA, OLENKA

Marchenko, Petro. ["Hailky" (Ukrainian round dance) in a choreographic staging by Olenka Gerdan-Zaklyns'ka] Hailky v khoreografichnii instantsizatsii Olenki Gerdan-Zaklyns'koj. New York, 1963. 56 p.

GERIATRICS

Age-related changes in blood serum protein fractions. E. A. Sel'kov. Trudy LIETIN no. 4:11-17 '60.

Biochemical changes in the blood in hypertension in elderly and senile persons. E. A. Sel'kov. Trudy LIETIN no. 4:146-157 '60.

Cardiovascular system in the combined symptoms of aging and hypertension; clinical X-ray observations. A. I. Sadofev. Trudy LIETIN no. 4:132-145 '60.

Changes in the eye in hypertension in elderly and senile persons. N. V. Sernokryl. Trudy LIETIN no. 4:166-173 '60.

Changes in the lipo- and glycoprotein fractions of the blood serum in the process of aging. E. A. Sel'kov. Trudy LIETIN no. 4:18-47 '60.

Characteristics of the clinical manifestations of hypertension in elderly and senile persons. M. I. Khvilitakia, K. I. Nikitina, M. Iu. Magaril. Trudy LIETIN no. 4:100-112 '60.

Characteristics of the electrocardiogram in hypertension in elderly and senile persons. A. V. Soboleva. Trudy LIETIN no. 4:124-131 '60.

Characteristics of the hemodynamics in hypertension in elderly and senile persons. I. I. Likhnikakia, Trudy LIETIN no. 4:113-123 '60.

Characteristics of the respiratory function in elderly and senile persons. I. I. Likhnikakia, Trudy LIETIN no. 4:63-70 '60.

Comparative study of age-related aspects of conditioned motor reflexes in man under various unconditioned reinforcements. I. A. Molotkova. Trudy LIETIN no. 4: 55-62 '60.

Does 100 years mean old? D. F. Chebotarev. Sov. Soluz no. 3:40-41 '63.

Methods of determining the minute volume of the blood in elderly and senile persons. V. A. Gerasin. Trudy LIETIN no. 4:87-91 '60.

Microflora of the intestines in elderly persons. E. I. A. Rokhlina. Trudy LIETIN no. 4:48-54 '60.

Neurodynamic changes in hypertension in elderly and senile persons. E. A. Sanamian. Trudy LIETIN no. 4: 158-165 '60.

Problem of medical expertise on work capacity and work arrangement for old age groups in connection with the lengthening of the lifespan. Z. G. Frenkel'. Trudy LIETIN no. 4:5-10 '60.

Reaction of the arterial vessels in elderly persons. K. A. Morozov. Trudy LIETIN no. 4:71-86 '60.

Work capacity in elderly and senile hypertension patients. M. I. Khvilitakia, K. I. Nikitina, M. Iu. Magaril. Trudy LIETIN no. 4:92-99 '60.

GERMAN DEMOCRATIC REPUBLIC see Germany, East

GERMAN FEDERAL REPUBLIC see Germany, West

GERMAN LANGUAGE—GRAMMAR

Zinder, L. R., and T. V. Stroeva. [Textbook on the theoretical grammar and lexicology of the German language] Posobie po teoreticheskoj grammatike i leksikologii nemetskogo iazyka; dlia studentov pedagogicheskikh institutov. Leningrad, Uchpedgiz, 1962. 147 p.

GERMAN LANGUAGE—HISTORY

Tsvilling, M. I. A. [The German language] Nemetskii iazyk. Moskva, Izd-vo in-ta mezhdunarodnykh otoshenii, 1962. 69 p. (Iazyki narodov mira)

GERMAN LANGUAGE—LEXICOGRAPHY

Zinder, L. R., and T. V. Stroeva. [Textbook on the theoretical grammar and lexicology of the German language] Posobie po teoreticheskoj grammatike i leksikologii nemetskogo iazyka; dlia studentov pedagogicheskikh institutov. Leningrad, Uchpedgiz, 1962. 147 p.

GERMAN LITERATURE—HISTORY AND CRITICISM

Three books out of hundreds. Wolfgang Joachio. V mire knig 2 no. 10:41-42 O '62.

GERMANIUM—ANALYSIS

Simultaneous determination of germanium and halogens in organic compounds [with summary in English]. M. D. Vitalina, V. A. Klimova. Zhur. anal. khim. 17 no. 8:1105-1108 D '62.

GERMANIUM—METALLOGRAPHY

Mechanism of the diffusion of impurities in germanium. S. M. Klotzman, A. N. Timofeev, I. Sh. Trakhtenberg. Fiz. met. i metalloved. 14 no. 6:925-927 D '62.

GERMANIUM DIODES

Experimental study of the dynamic properties of germanium junction diodes with reverse polarity connection. I. N. Lisitskaia. Avtom. kont. i izm. tekhn. no. 6: 186-200 '62.

GERMANY—ANTI-NAZI MOVEMENT

Source materials concerning the antifascist movement in Germany during the Second World War and the work of the organization "Free Germany." G. A. Belov. Vop. arkh. 7 no. 3:39-50 Ji-S '62.

GERMANY—COMMUNIST PARTY

"Outline history of the German labor movement" [in German]. Reviewed by A. E. Karetnikov. Nov. i noveish. ist. no. 8:168-170 '62.

GERMANY—FOLKLORE STUDIES

History of Russian folklore studies in Germany during the first half of the 19th century. E. Khoksel'shtneider. Rus. folk. 7:276-282 '62.

GERMANY—FOREIGN ECONOMIC RELATIONS—TURKEY

"History of the penetration of German imperialism into Turkey; from the late 19th century to 1914" by M. G. Orudzhev. Reviewed by M. S. Lazarev, A. S. Avetian. Nar. Az. i Afr. no. 1:211-212 '63.

GERMANY—FOREIGN RELATIONS—GREAT BRITAIN

"Spanish notebooks" and "Who helped Hitler; reminiscences of a Soviet ambassador" by I. M. Malskil. Reviewed by D. Zaslavskii. Nov. vrem. 20 no. 12:20-31 Mr '63.

GERMANY—GEOGRAPHY

Development of the theory of geography and land forms in the German Democratic Republic and Federal German Republic [with summary in English]. O. N. Kazakova. Vest. LGU 17 no. 24:83-89 '62.

GERMANY—HISTORY

Efforts to "justify" the division of Germany. A. I. Borozniak. Vop. ist. 38 no. 2:184-185 F '63.

Kulbakin, V. D. [Studies on the recent history of Germany] Ocherki noveishoi istorii Germanii. Moskva, Sotsekgiz, 1962. 689 p.

"Unpleasant facts of history; a revised interpretation of modern German history" [in German] by A. Grote. Reviewed by A. S. Silin. Nov. i noveish. ist. no. 6: 165-167 '62.

GERMANY—HISTORY—SOURCES

"The diary of William Dodd, 1933-1936." Translated from the English. Reviewed by A. Aleksandrov. Nov. i noveish. ist. no. 6:164-165 '62.

GERMANY—LANDFORMS

Development of the theory of geography and land forms in the German Democratic Republic and Federal German Republic [with summary in English]. O. N. Kazakova. Vest. LGU 17 no. 24:83-89 '62.

GERMANY—SOCIALIST PARTY

"Outline history of the German labor movement" [in German]. Reviewed by A. E. Karetnikov. Nov. i noveish. ist. no. 6:168-170 '62.

GERMANY—WORLD WAR, 1939-1945

"Conspiracy of July 20, 1944 in Germany: legend and real facts" by D. Melnikov. Reviewed by G. N. Goroshkov. Nov. i noveish. ist. no. 6:147-149 '62.

GERMANY, EAST—BIBLIOGRAPHY

[New literature on the German Democratic Republic] Nov. lit. po Gor. Dem. Resp. no. 8 '62.

GERMANY, EAST—ECONOMIC POLICY

Danyliuk, Z. A., and V. O. Suprun. [German Democratic Republic is an advanced post of socialism in the West] Nimets'ka Demokratychna Respublika - forpost sotsializmu na Zakhodi. Kyiv, 1962. 54 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koj RSR, Serlia 4, no. 11)

GERMANY, EAST—EDUCATION, HIGHER

"Institutions of higher learning of the German Democratic Republic will fulfill their responsibility to their country." "Dna Hochschulwesen" on the conference of rectors in Leipzig. I. Dnydov. Vest. vys. shkoly 21 no. 1: 80-82 Ja '63.

GERMANY, EAST—FOREIGN RELATIONS—GERMANY, WEST

The seven points. Nov. vrem. 20 no. 9:2-3 Mr '63.

GERMANY, EAST—HISTORY, MILITARY—PERIODICALS

"Zeitschrift für Militärgeschichte," an East German periodical. Voen. ist. zhur. vol. 6 no. 1:118-119 Ja '63.

GERMANY, EAST—PARACHUTING

Improving our ability. W. Schmitt. Kryl. red. 13 no. 7: 21 Ji '62.

GERMANY, EAST—POLITICS AND GOVERNMENT

Danyliuk, Z. A., and V. O. Suprun. [German Democratic Republic is an advanced post of socialism in the West] Nimets'ka Demokratychna Respublika - forpost sotsializmu na Zakhodi. Kyiv, 1962. 54 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koj RSR, Serlia 4, no. 11)

GERMANY, EAST—RADIO—RECEIVERS AND RECEPTION

All-wave receiver type 168 (from a pamphlet of the RFT Union). Inform. shor. TSNIIE no. 60. Sudovozh. i sviaz' no. 15:85-86 '61.

GERMANY, EAST—RADIO CLUBS

Radio clubs of the German Democratic Republic. E. Gel'ke. Radio no. 2:14 F '63.

GERMANY, WEST—AFRICAN STUDIES—PERIODICALS

Mouthpiece of the colonizers: a review of the journal "Nouvelles Africaines." S. Fil'shtinskii. Az. i Afr. seg. no. 3:56-57 Mr '63.

GERMANY, WEST—BREWERIES—EQUIPMENT AND SUPPLIES

Apparatus for washing piping and hose. A. I. Fel'dman. Spirt, prom. 29 no. 1:39 '63.

GERMANY, WEST—COKE INDUSTRY—BY-PRODUCTS

Coal Chemical Combine in Carling (France) and unit for the hydraulic purification of benzol in Fuerstenhausen, German Federal Republic (from "Chémie et Industrie," no. 1, 1961). Koks i khim. no. 1:63-64 '63.

GERMANY, WEST—CONTINUOUS CASTING

Equipment for the continuous casting of steel. A. Gusovskii. Metallurg 8 no. 2:22-24 F '63.

GERMANY, WEST—ECHO SOUNDING

Technical data of new foreign echo sounders (from pamphlets published by the British firm Woodson, and the West German firm Atlas Werke). Inform. sbor. TSNIIMF no. 60. Sudevosth. i svias' no. 15:85-90 '61.

GERMANY, WEST—ECONOMIC CONDITIONS

A miracle which did not materialize. G. Sokol'nikov. Agitator no. 2:37-38 Ja '63.
Mukhin, A. I. [German Democratic Republic; economic geography] Germaneskaya Demokraticeskaya Respublika; ekonomicheskaya geografija. Izd. 2, dop. i perer. Moskva, Izd-vo IMO, 1962, 225 p.

GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—AFRICA

Bonn's "love" for Africa. I. Shitsev. Az. i Afr. seg. no. 3:17-18 Mr '63.

GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—FRANCE

An alliance of French and West-German monopolies. Nov. vrem. 20 no. 9:30-31 Mr '63.

GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

"The colonial power of West Germany; the substance, characteristics and methods of the West German neocolonialism [in German] by Paul Freidlaender and Hartmut Schilling. Reviewed by P. I. Pot'ashkov. Nar. Az. i Afr. no. 1:228-229 '63.

GERMANY, WEST—FOREIGN RELATIONS

"Foreign policy and political parties of the German Federal Republic" by M. S. Voslenskii. Reviewed by A. B. Veber. Nov. i noveish. ist. no. 6:150-152 '62. The role of Bonn in the Atlantic alliance. A. Galkin. Nov. vrem. 20 no. 12:9-11 Mr '63.

GERMANY, WEST—FOREIGN RELATIONS—GERMANY, EAST

The seven points. Nov. vrem. 20 no. 9:2-3 Mr '63.

GERMANY, WEST—HISTORIOGRAPHY

Some trends in the historical studies of West German militarists and clericals [with summary in English, pp. 220-221]. A. D. Epshtein. Vop. ist. 38 no. 2:88-101 F '63.

GERMANY, WEST—MARRIAGE PROPOSALS

Glitter and poverty in capitalist countries. Sov. profsoiuzy 19 no. 2:26-27 Ja '63.

GERMANY, WEST—MILITARISM

Some trends in the historical studies of West German militarists and clericals [with summary in English, pp. 220-221]. A. D. Epshtein. Vop. ist. 38 no. 2:88-101 F '63.

GERMANY, WEST—SHIPBUILDING

Ships built in the German Federal Republic. (from foreign journals). Sudostroenie 29 no. 2:79-81 F '63.

GERMANY, WEST—SLAVIC STUDIES

Tul'chinskii, M. P. [Advocates of revenge; West-German "Ostforschung" in the service of the Bonn revenge policy] Advokaty revansha; zapadnogermskii "ostforschung" na sluzhbu bonnskoj revanshisteskoj politiki. Moskva, Izd-vo Akad. nauk SSSR, 1963, 118 p. (Akademiya nauk SSSR. Nauchno-populiarnaya seriya)

GERMICIDES see Disinfection and disinfectants

GERMINATION

Growth inhibiting substances in crop residues and weeds. Part I: Effect of water-soluble inhibitors on seed germination and plant growth [with summary in English]. A. M. Hrodzinskiy and others. Ukr. bot. zhur. 19 no. 6:30-38 '62.

GHANA—ART

The artists of Ghana. S. Luzanov. Az. i Afr. seg. no. 3: 48-49 Mr '63.

GHANA—ECONOMIC CONDITIONS

First steps into the future. V. Kon'kov. Sov. profsoiuzy 19 no. 5:24-25 Mr '63.

GHANA—TRADE UNIONS

First steps into the future. V. Kon'kov. Sov. profsoiuzy 19 no. 5:24-25 Mr '63.

GIBBERELLIN

Effect of gibberellin in conjunction with colored light on the development of vegetative and reproductive organs in tomatoes; morphological characteristics [with summary in English]. IA. S. Modylevskiy, L. K. Dziubenko. Ukr. bot. zhur. 19 no. 6:3-12 '62.

Effect of gibberellin on the growth and yield of corn. P. Parkhomenko. Sbor. stud. nauch. i issl. rab. VSKHI 1 no. 1:69-73 '62.

Effect of gibberellin on the growth of grapes. M. Kh. Chailakhian, M. M. Sarkisova. Dokl. AN SSSR 148 no. 1:219-222 Ja '63.

Gibberellin in a vineyard. G. V. Gavrilov. Priroda 52 no. 2:80 '63.

Interaction of heteroauxin and gibberellin during the formation of roots and shoots in willow cuttings. R. Kh. Turatskaya, V. I. Kefeli, E. M. Kof. Dokl. AN SSSR 148 no. 2:461-464 Ja '63.

Plant hormones. V. I. Kefeli. Priroda 52 no. 2:78-79 '63.

GIFT SHOPS see subdivision under Moscow

GIFTWARES

(see also subdivision under Poland)
Confidentially, to men. Tat'iana Toplina. Sov. profsoiuzy 19 no. 4:32 F '63.

GILJAREVSKII, SERGEI ALEKSANDROVICH

Sergei Aleksandrovich Giljarevskii; on the 40th anniversary of his scientific, pedagogical and medical work. Sov. med. 26 no. 12:133 D '62.

GILLS

Activation of sodium excreting cells in the gills of humpback salmon and shoots in willow cuttings. R. Kh. Turatskaya, V. I. Kefeli, E. M. Kof. Dokl. AN SSSR 148 no. 2:461-464 Ja '63.

GIRDERS see Beams and girders

GLACIERS

(see also subdivision under Aragats, Mount; Elbrus, Mount; Franz Josef Land; Katun' Valley)

Relation between the general circulation of the atmosphere and the present-day distribution of glaciers in the Northern Hemisphere. I. V. But. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 9:10-30 '62.

GLACIERS—MAPS

Development of the representation of glaciation on general geographical maps. K. V. Akif'eva. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 9:48-92 '62.

GLACIOLOGICAL RESEARCH

(see also subdivision under Fedchenko Glacier; Ural Mountains)

Study of the recent glaciation of the Katun' Basin in the Altai. L. N. Ivanovskii. Sib. geog. sbor. no. 1:184-189 '62.

GLACIOLOGY

(see also subdivision under Antarctic regions; Elbrus, Mount; Novaya Zemlya; Ural Mountains)

Akademiya nauk SSSR. Institut geografii. [Notes and discussions] Khronika obsuzhdeniya. Moskva, (Izdatel'stvo glaciologicheskikh issledovaniy) [With summary in English] No. 4-6, 1962.

Position of the "365 level" over the territory of the U. S. S. R. and its relation to the glaciation. G. K. Tushinskii, N. M. Malinovskaya. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 9:8-9 '62.

GLADKOV, FEDOR VASIL'EVICH, 1893-1956

An epic on the Russian people; F. Gladkov's autobiographic trilogy. A. P. Volozhenin. Uch. zap. MGPI [174]:65-144 '61.

GLANDS, LACRIMAL see Lacrimal organs

GLASS

Adhesion of thermosetting polymers to glass [with summary in English]. V. E. Gul' and others. Vysokom. soed. 5 no. 2:269-273 F '63.

GLASS—DEFECTS

Checking the smoothness of surfaces of polished sheet glass. G. M. Gorodinskii. Stek. i ker. 20 no. 2:18-19 F '63.

GLASS, CELLULAR

Causes of the increase of water absorption of foam glass. E. Z. Zhilomirskaya. Stek. i ker. 20 no. 2:19-20 F '63.

GLASS, COLORED

Synthesis and study of types of glass for dishes made with rare earth elements. N. A. Iudin, Z. M. Syritskaya. Stek. i ker. 20 no. 2:21-26 F '63.

GLASS, OPTICAL

Sunglasses. V. Fedotov. Meist. prom. i khud. promysla 3 no. 1:14 Ja '63.

GLASS FIBER INDUSTRY see subdivision under Boryansk

GLASS FIBERS

Imparting the strength and hydrophobic properties to fabrics made of glass fibers. L. V. Golosova. Plast. massy no. 2:64-66 '63.

Interaction between polymers and fillers. Part 7: Glass transition point and packing densities of filled polystyrene and polymethyl methacrylate [with summary in English]. IU. S. Lipatov. Vysokom. soed. 5 no. 2:200-205 F '63.

Study of the internal stresses arising during the manufacture of articles of glass textile-type materials. I. A. Kozlov, I. V. Lebedev. Plast. massy no. 1:74-75 '63.

GLASS FURNACES

Design of air-water evaporative cooling of tank walls of glass furnaces. V. M. Shilukhovskii. Stek. i ker. 20 no. 2:7-11 F '63.

Mechanization of draining and granulating melted glass when stopping a pot furnace for repair. M. D. Novikov, I. G. Slivinskii, L. F. Iurkov. Stek. i ker. 20 no. 2:35 F '63.

GLASS FURNACES—MAINTENANCE AND REPAIR

Case of the repair of a pot furnace when hot. D. P. Kropotov. Stek. i ker. 20 no. 2:38-39 F '63.

GLASS MANUFACTURE

(see also subdivision under Czechoslovakia)
Expand the production of new glass products. Stek. i ker. 20 no. 2:1-3 F '63.

Method of mathematical analysis of the vertical drawing process of a flat sheet of glass. K. I. Braginskii. Stek. i ker. 20 no. 2:12-15 F '63.

GLASS MANUFACTURE—BIBLIOGRAPHY see Bibliography—Glass Manufacture

GLASS MANUFACTURE—CONGRESSES

New method of packing and transporting glass. Stek. i ker. 20 no. 2:40-47 F '63.

GLASS MANUFACTURE—COSTS

Lower the cost of window glass. I. I. Don't. Stek. i ker. 20 no. 2:4-10 F '63.

GLASS MANUFACTURE—EQUIPMENT AND SUPPLIES

Mastering the mechanized production of small bulbs on the VK-24 bulb machine. N. I. Demin. Stek. i ker. 20 no. 2:37-38 F '63.

GLASS MANUFACTURE—HYGIENIC ASPECTS see subdivision under Ulan-Ude

GLASS MANUFACTURE—PERIODICALS

From the pages of foreign magazines. Stek. i ker. 20 no. 2:42-46 F '63.

GLASS REINFORCED PLASTICS

Preparation and properties of glass-reinforced plastics based on cyclopentanone-formaldehyde resins. I. V. Kamenetskii, G. M. Tsetlin. Plast. massy no. 1:20 '63. Reinforcement of asbestos cement with polyester glass plastics. A. B. Gubenko and others. Plast. massy no. 2:37-41 '63.

Shul'man, G. D. [Laminated plastics and glass plastics for the electric equipment industry] Stoiyo plastiki i stekloplastiki dlia elektrotekhnicheskoi promyshlennosti. Leningrad, 1962, 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obshch. poredovym opytom. Seriya: Sinteticheskie materialy, no. 7)

GLASS REINFORCED PLASTICS—TESTING

Effect of anisotropy and temperature on the strength of KAST-P vitreoplastic under compression [with summary in English]. A. A. Krytsuk. Dop. AN URSS no. 12: 1600-1602 '62. Process of rupture of fiber glass reinforced plastics [with summary in English]. V. E. Gul' and others. Vysokom. soed. 5 no. 2:274-278 F '63.

GLASSWARE

Sheikovnikov, D. A. [Glassware] Khudozhestvennoe steklo. Leningrad, Izd-vo gos. Ermitazha, 1962, 155 p.

GLAUCOMA

Chernitskii, G. Ia. [What should be known about glaucoma] Chto nado znat' o glaukome. Moskva, Medgiz, 1963, 25 p. (DNLM)

GLAZES

Finishing fireclay ceramics made with reduction-fire glazes. A. I. Miklashevskii. Stek. i ker. 20 no. 2:26-29 F '63. White opaque glaze with a base of nepheline syenites. M. Mavellan and others. Prom. Arm. 5 no. 12:38-40 D '62.

GLIDERS (AERONAUTICS)

Gliding equipment abroad. Kryl. rod. 13 no. 12:11 D '62. Theory of a mechanized launching of gliders. V. Beisakii. Kryl. rod. 13 no. 7:17-19 Ji '62.

GLIDERS (AERONAUTICS)—COLD WEATHER OPERATION

Gliders starting from winches in winters. L. Tikhvinskii. Kryl. rod. 13 no. 12:10-11 D '62.

GLIDERS (AERONAUTICS)—MODELS—RADIO CONTROL
Rozhzhin, N. D. [A radio controlled model glider] Model' planera, upravlinemala po radio. Moskva, Izd-vo DOSAAF, 1962. 37 p. (Biblioteka lunogo konstruktora)

GLIDING AND SOARING
(see also subdivision under *Omek*)

Antonov, O. K. [On wooden and fabric wings] Na kryl'akh iz dereva i polotna. [Moskva] Izd-vo "Molodaya gvardiya," 1962. 87 p.
Command center of a gliding station. I. Frolov. Kryl. rod. 13 no. 12:19 D '62.
Years, flights, achievements. I. Shelest. Kryl. rod. 13 no. 7:14-15 JI '62.

GLIERE, REINHOLD MORITSEVICH, 1875-1956
Petrova, N. E. [Reinhold Moritsevich Glier, 1875-1956; a brief sketch of his life and works] Reinhold Moritsevich Glier, 1875-1956; kratkii ocherk zhizni i tvorчества. (Knizhka dlia muzoshestva). Leningrad, Gos. muzykal'noe ob-vo, 1962. 114 p.

GLOBULIN

Studying soybean seed globulins by paper electrophoresis. I. A. Vaintraub. Trudy po khim. prirod. soed. no. 3: 193-198 '60.

GLOVES see subdivision under *Chernovtsy*

GLUBOKOYE LAKE REGION (MOSCOW PROVINCE)—VETCH

Effect of the habitat on changes in the morphological structure of wood vetch (*Vicia silvatica* L.). V. M. Raskevich. Biol. Glav. bot. sada no. 45:59-69 '62.

GLUCOSE

Isolation of crystalline glucose from solutions via its double compounds with sodium chloride. N. V. Levedev. [Trudy] NTO bum. i der. prom. no. 8:204-207 '59.

GLUCOSE METABOLISM

Effect of the intravenous and subcutaneous administration of royal jelly on glycolytic changes in and glucose consumption by the brain. S. V. Zakharov, E. A. Grigor'eva, L. A. Iakovleva. Inform. biol. o mat. moloch. no. 3:3-7 '62.

GLUING

Stability of glued joints. V. M. Khurlev. Izv. vys. ucheb. zav. i les. zhur. 5 no. 5:126-132 '62.

GLUKHOV—OFFENSES AGAINST SOCIALIST PROPERTY

The end of a "gold mine." V. Golovanov. Sov. iust. no. 5:13-14 Mr '63.

GLUTAMIC ACID

Determining glutamic acid content of feed molasses. A. K. Karlashov, L. K. Ivanova, N. A. Maksimova. Trudy TSINS no. 7:87-102 '60.

GLUTAMIC OXALACETIC TRANSAMINASE

Stimulation of the activity of glutamic-oxalacetic aminophase in the zone of an experimental myocardial infarct. I. U. V. Bukin. Dokl. AN SSSR 148 no. 2:452-455 Ja '63.

GLYCERIDES

Lipides. Part 18: Synthesis of the glyceride constituents of corn oil. G. A. Serebrennikova and others. Zhur. ob. khim. 33 no. 2:437-440 F '63.

GLYCEROL

Isolation and identification of glycerin oxidation products of *Actinomyces aureofaciens* LS-B-16. V. G. Plakunova. Dokl. AN SSSR 148 no. 2:445-447 Ja '63.
Ways of the utilization of glycerin by *Actinomyces aureofaciens* LS-B-16. V. N. Shaposhnikov, V. G. Plakunova. Dokl. AN SSSR 148 no. 1:210-213 Ja '63.

GLYCIDOL

Copolymers of unsaturated glycidol esters. Copolymerization of glycidyl methacrylate with styrene. M. P. Sorokin, I. M. Kochmov. Plast. massy no. 1:7-11 '63.

GLYCINE

Bisquaternary ammonium compounds of some derivatives of 1,6-hexamethylene-bisaminoacetic acid. N. V. Khromov-Borisov, K. A. Eremincheva. Zhur. ob. khim. 33 no. 2:475-479 F '63.
Use of a double tag for detecting glycine formed from (methylene- 14 C) succinic acid as a result of carbon-14 β -decay. V. D. Nefedov and others. Zhur. ob. khim. 33 no. 2:339-342 F '63.

GLYCOGEN

Glycogen and fat in different phases of the life cycle of trematodes. Part 2: Biological role of glycogen and fat [with summary in English]. T. A. Ginetinskaya, A. A. Dobrovol'skii. Vest. LGU 10 no. 3:23-33 '63.

GLYCOLS

Effect of terephthalic acid on the rate of transesterification of dimethyl terephthalate with ethylene glycol. R. S. Muremova, I. A. Sharapova. Khim. volok. no. 1: 19-23 '63.

Glycol ethers and their derivatives. Part 49: Synthesis of aromatic γ -bromo ethers. Shamkhal Mamedov, D. N. Khydyrov. Zhur. ob. khim. 33 no. 2:457-462 F '63.

Preparation of mixed polyesters of ethylene glycol with 2,5-furandicarboxylic and terephthalic acids. F. M. Medvedeva, N. V. Andrianova. Plast. massy no. 2:14-15 '63.

Synthesis of ditertiary acetylenic γ -glycols from saturated methyl ketones and of tetratonic acetylenic alcohol from diacetone alcohol in a benzene medium. V. D. Azatian, M. V. Vasilian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:403-494 '62.

GLYCOPROTEINS

Changes in the lipo- and glycoprotein fractions of the blood serum in the process of aging. E. A. Sol'kov. Trudy LIETIN no. 4:18-47 '60.

GLYPTICS see subdivision under *Georgia*

GYMYREV, ALEKSEI MIKHAILOVICH, 1887-1911

Other poets will finish his songs. I. Trofimov. Mol. komm. no. 5:110-120 My '62.

GNEDICH, NIKOLAI IVANOVICH, 1784-1873

The heart of Gnedich. I. U. Andrushchenko, Z. Borsuk, S. Samsonenko. Ukraina no. 13:12 JI '62.

GNEISS see subdivision under *Kola Peninsula*

GOATS

(see also subdivision under *Caucasus*)

Provisional instructions on the castration of sheep and goats according to A. A. Baiburtalan's method in use on the farms of Armenia. Zhivotnovodstvo 23 no. 5:30 My '61.

GOATS—DISEASES AND PESTS

Preparing and testing hyperimmune serum in infectious pleuropneumonia of goats. F. D. Lukashenko. Trudy Uz. nauch. -issl. inst. vet. 14:27-32 '61.

GOATS—PARASITES see *Parasites—Goats*

GOATSUCKERS

Behavior of the European nightjar during the nesting period. E. N. Derin. Ornitologiya no. 5:410-412 '62.

Gobi—DESCRIPTION AND TRAVEL

Across the Gobi. L. Gava. Sovr. Mong. 7 no. 9:10-12 S '62.

Gobi—PETROLEUM GEOLOGY

Tectonics and oil potential of the southeastern part of the eastern Gobi desert. S. I. Gorlov. Sov. geol. 5 no. 12:30-43 D '62.

GOD

Were the astronauts able to see God? I. Kryvelev. Nauka i rel. 4 no. 1:50-53 Ja '63.

GOETHE, JOHANN WOLFGANG VON, 1749-1832

Kopelev, L. Z. [Goethe's "Faust"] "Faust" Gela. Moskva, Goslitizdat, 1962. 142 p. (Massovaya istoriko-literaturnaya biblioteka)

GOTTER

(see also subdivision under *Dzhambul Province; Transcarpathia*)

Blood composition in hyperthyroid goiter following radiolodine treatment. V. M. Udod. Vrach. delo no. 1:121 Ja '63.
Mask to facilitate strumectomy. A. A. Aslanian. Klin. khir. no. 12:72 D '62.

Neuroplegia in the operative treatment of goiter patients [with summary in English]. I. G. Turavets. Vrach. delo no. 11:63-67 N '62.

One hundred and eight operations for goiter within two years at a rural district hospital. V. I. Podtashkin. Klin. khir. no. 11:62-65 N '62.

GOLD-COPPER ALLOYS

Theory of diffusion in ordered Au-Cu alloys [with summary in English]. Z. A. Matysina. Ukr. fiz. zhur. 8 no. 2: 190-195 F '63.

GOLD CRYSTALS see subdivision under *Siberia, Eastern*

GOLD ORES see subdivision under *Siberia; Yakutia*

GOLITSYN, BORIS BORISOVICH, 1862-1916

B. B. Golitsyn and some problems in present-day seismology. E. F. Savarenski. Izv. AN SSSR. Ser. geofiz. no. 1:3-19 Ja '63.

GOLITSYN, MIKHAIL MIKHAILOVICH

Manorial directions of the middle 18th century as a source of the history of the economy based on serfdom. N. I. Burakovskaya. Trudy MGAI 16:371-388 '61.

GOLODNAYA STEPPE—AGRICULTURE

Golodnaya Steppe. V. Moev. Sov. Soluz. no. 8:34-39 '62.

GOLODNAYA STEPPE—WATER RESOURCES DEVELOPMENT

Golodnaya Steppe. V. Moev. Sov. Soluz. no. 8:34-39 '62.

GOLODNAYA STEPPE (NORTHERN) see *Bet-Pak-Dala*

GOMEL'—COMMUNIST YOUTH LEAGUE

Tolkacheva, N. S. [In the front ranks] V pervykh rjadakh. Minsk, Gosizdat, 1962. 30 p. (Bibliotekha komsomol'skogo aktivista, no. 3)

GOMEL'—TELEVISION STATIONS

The television center of Gomel' has won the right to be called an "Enterprise of communist labor." L. L. Podorski. Vest. svyazi 23 no. 2:30-31 F '63.

GONIMETERS

Using a gonimeter in eighth-grade manual training classes. E. Z. Grinberg. Shkola i proizv. 6 no. 8: 52-56 Ag '62.

Using the IPR-1 instrument for measuring half-angles of the profile of the external thread of drilling shells. Izv. tekhn. no. 1:22-23 Ja '63.

GONIMETRY—STANDARDS

[Checking and measuring instruments and gauges] Kontrol'no-izmeritel'nye pribory i apparaty. Izd. ofitsial'noe. Moskva, Standartgiz, (SSSR. Gosudarstvennye standarty)

Pt. 1. [Measures and instruments for length and angle measurements] Mery i pribory dlia lineynykh i uglovyykh izmerenii. 1962. 407 p.

GORBACHEV, BORIS SERGEEVICH, 1892-1937?

A triple holder of the Red Banner Order. P. Selivanau. Belarus' 20 no. 2:11 F '63.

GORIACHKIN, VASILII PROKHOROVICH, 1868-1935

Noteworthy dates in science and technology. Shkola i proizv. 7 no. 1:86-98 Ja '63.

GORKII, MAKSEM, 1868-1936

"M. Gorkii's journalistic work" by A. I. Ovcharenko. Reviewed by N. K. Piskunov. Vest. LGU 18 no. 2:148-155 '63.

Potapov, V. S. [A. M. Gorkii in Borisoglebsk] A. M. Gorkii v Borisoglebske. Balashov, Balashovskii gos. pedagog. in-t, 1962. 29 p.

(MII)

Strokov, P. S. [M. Gorkii's epic novel "Life of Klim Samgin"] Epopeia M. Gorkogo "Zhizn' Klimy Samgina." Moskva, Sovetskii pisatel', 1962. 413 p.

GORKIY—ARCHIVES

V. G. Korolenko and the Nizhny Novgorod Archival Committee. N. N. Mitrofanov. Trudy MGAI 16:281-300 '61.

GORKIY—AUTOMOBILE INDUSTRY—PRODUCTION STANDARDS

Common concern of participants in production. K. Mukhin. Sots. trud 7 no. 12:78-81 D '62.

GORKIY—COMMUNITY CENTERS

More beautiful than in a fairy tale... Klub 12 no. 1:18-21 Ja '63.

Today in the propaganda center. L. Krainov.

Agitator no. 3:18-20 F '63.

Yesterday's day is tomorrow's day. A. Dubrovskii, I. Chekhov. Klub 12 no. 8:3-5 Ag '62.

GORKIY—MACHINE-TOOL INDUSTRY

Machine tools and machinery should work full-time. N. Volodin. Agitator no. 5:47-49 Mr '63.

GORKIY—NAUTICAL TRAINING SCHOOLS

School of merchant seamen on the Volga; 75th anniversary of the I. P. Kulibin school in Gorkiy. I. Ljubim-tsev. Rech. transp. 22 no. 1:20-21 Ja '63.

GORLOVKA—ART GALLERIES AND MUSEUMS

A generous present. M. Borysenko. Ukraina no. 1:7 Ja '63.

GORLOVKA—COAL MINERS

Pine odor in a coal mine. Mykola Tytov. Ukraina no. 1: 14-15 Ja '63.

GORLOVKA—COKE INDUSTRY—EQUIPMENT AND SUPPLIES

Mechanization of the operations in selecting and preparing coal samples from railroad cars in the Gorlovka Coke and Chemical Plant. D. D. Nikolev and others. Koks i khim. no. 2:8-10 '63.

GORNAYA SHORIYA—GEOLOGY, STRATIGRAPHIC

Key sections of the Lower Cambrian and Silurian in Gornaya Shoriya and the Gornyy Altai. M. K. Vinkman, A. B. Gintzinger, L. I. Egorova. Sov. geol. 5 no. 12:44-56 D '62.

GORODOK DISTRICT—RITES AND CEREMONIES

We welcome the introduction of new rites and ceremonies. H. Tkachuk and others. Volov. atelst 3 no. 2:23-24 F '63.

GOURDS

Variability of the content of protein and nonprotein nitrogen in the green bulk of gourds. M. V. Alekseeva. Trudy po khim. prirod. soed. no. 3:75-82 '60.

GOVERNMENT OWNERSHIP

Andreev, B. S. [Forming communist production relations] Formirovaniye kommunisticheskikh proizvodstvennykh otnoshenii. [Leningrad] Lentzdat, 1962. 68 p.

- GOVERNMENT OWNERSHIP (Continued)**
The essence and forms of state monopoly capitalism, A. G. Miletkovskii, Mir. ekon. i mezhdunar. otn. no. 1: 88-95 '63.
- GRADING AND MARKING (STUDENTS)**
Conducting occupational tests, A. Smirnov, Prof. -tekh. obr. 19 no. 12:28-29 D '62.
Grades, A. Orlov, Nar. obr. no. 2:85-86 F '63.
In the Ministry of Education of the R. S. F. S. R. Prep. ist. v shkole 17 no. 5:29-30 N-D '62.
Let's change the method of measuring students' knowledge, T. A. Zatvan, Vech. ared. shkola 5 no. 5:76-77 S-O '62.
Periodic measuring of student knowledge in evening schools, A. N. Sviridov, Sred. spets. obr. 9 no. 12: 27-30 D '62.
Testing and evaluation of student knowledge, Prep. ist. v shkole 17 no. 5:31 N-D '62.
- GRAFTING**
Effect of preliminary grafting on the development of intraspecific cotton hybrids, D. B. Babayev, Trudy kol. sel. sta. 1:100-121 '61.
- GRAIN**
(see also subdivision under Leningrad Province)
Effectiveness of a complex of cultivation practices in spring for winter grains sown in clean fallows and unfallowed fields, A. Kucherov, Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:41-44 '62.
Electric humidity meter for measuring the humidity of grain, I. Zaitsev, A. Semenov, Tekh. v sel'khoz, 22 no. 7:64-65 JI '62.
Overall mechanization of grain processing, A. Reshetnikov, Tekh. v sel'khoz, 22 no. 7:15-20 JI '62.
Role of oligosaccharides and their dynamics in evaluating the winter hardiness of various forms of winter wheat and rye, M. I. Rybakova, Dokl. AN SSSR 148 no. 1:217-218 Ja '63.
Using herbicides in grain fields, V. P. Bajko, E. N. Balkova, Sbor. nauch. rab. Nauch. -issl. inst. sel'khoz. Tsent. -chern. pol. 2 no. 1:36-39 '60.
- GRAIN—ANALYSIS AND CHEMISTRY**
Koz'mina, N. P., and L. N. Lyubarskii, [Grain and its quality evaluation] Zerno i otenka ego kachestva, Moskva, Sel'khozizdat, 1962, 149 p.
Protein and nonprotein nitrogen of the grain and green bulk of corn and sorgho, P. A. Tsurkan, Trudy po khim. prirod. soed. no. 3:129-143 '60.
- GRAIN—CLEANING**
(see also subdivision under Czechoslovakia)
Results of testing the TU-400 grain cleaner, V. Trut'ia-kov, Tekh. v sel'khoz, 22 no. 12:54 D '62.
- GRAIN—DRYING**
Grain drying as the basis of the storage of state grain reserves, A. Gerzhol, V. Samochetov, V. Kokorotseva, Muk. -elev. prom. 28 no. 11:11-13 N '62.
Problems in the automatic control of grain drying systems, M. Platonov, IU, Mitrofanov, Muk. -elev. prom. 28 no. 11:13-16 N '62.
- GRAIN—FERTILIZERS AND MANURES**
Dates of application and methods for the placement of superphosphate for spring grain crops [with summary in English], N. E. Poliakova, Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz, no. 1:121-131 '60.
- GRAIN—HARVESTING**
Experience in high-speed harvesting of grain, N. Arlenko, Tekh. v sel'khoz, 22 no. 7:4-7 JI '62.
Self-propelled harvesters for swath cutting of grain, I. Samokhodskaja, G. Kobrita, Tekh. v sel'khoz, 22 no. 7:69-71 JI '62.
System for automatic hitching trailers and harvesters, Tekh. v sel'khoz, 22 no. 7:61 JI '62.
- GRAIN—TRANSPORTATION**
Pneumatic conveying of grain, A. F. Komarov, Spirt, prom. 29 no. 1:18-22 '63.
- GRAIN ELEVATORS**
(see also subdivision under Cuba; Odessa)
Glorious anniversary of the Great October Revolution, Muk. -elev. prom. 28 no. 11:1-2 N '62.
Large-scale invention and innovation at a new stage of development, M. Kvethyl, Muk. -elev. prom. 28 no. 11:7-9 N '62.
Letters to the editor, N. Shumakii, F. Maksimov, Muk. -elev. prom. 28 no. 11:32-33 N '62.
- GRAIN ELEVATORS—DESIGN AND CONSTRUCTION** see subdivision under Kazakhstan
- GRAIN HANDLING**
Follow-up to our materials, Muk. -elev. prom. 28 no. 11:3 of cover N '62.
In the Technological Council of the State Procurement Committee of the U. S. S. R., B. Drizin, Muk. -elev. prom. 28 no. 11:25-27 N '62.
- GRAIN HANDLING—EXHIBITIONS**
At the "storage and processing of grain" pavilion of the Exhibition of Achievements of the National Economy of the U. S. S. R., A. Blidman, Muk. -elev. prom. 28 no. 11:19-20 N '62.
- GRAIN-HANDLING MACHINERY**
The ZGS-100 grain loader and methods of its use, M. P. Grishin, M. F. Sushkov, Mekh. i avtom. protzv. 17 no. 1:45-46 Ja '63.
- GRAMMAR, COMPARATIVE AND GENERAL**
Uspenskii, B. A. [Principles of structural typology] Printsipy strukturalnoi tipologii. [Moskva] Izd-vo Mosk. univ., 1962, 62 p.
- GRAMMAR, COMPARATIVE AND GENERAL—WORD FORMATION**
Levkovskaja, K. A. [Theory of words, principles of their construction and aspects of studying lexical materials] Teoriya slova, printsipy ee postroeniya i aspekty izucheniya leksicheskogo materiala, Moskva, Vysshaya shkola, 1962, 295 p.
- GRAMOPHONE** see Phonograph
- GRANITE**
(see also subdivision under Kara-Kul Lake region, Pamirs; Matcha region; Ural Mountain region)
Beus, A. A., and others, [Albitized and greisenized granites (apogranites)] Albitizirovannye i greizenizirovannye granity (apogranity), Moskva, Izd-vo Akad. nauk SSSR, 1962, 195 p.
Granitoids, their evolution and genetic types, S. P. Solov'ev, Zap. Vses. min. ob-va 91 no. 6:637-661 '62.
- GRANITE—ANALYSIS**
Petrographic and mineralogical characteristics of amphygony and spodumene-bearing granites, V. V. Liakhovich, Izv. AN SSSR, Ser. geol. 28 no. 3:63-82 Mr '63.
- GRANITE INDUSTRY**
Fine crushing of granite, N. I. A. Zolotarev, Vzyryv, rab. no. 3:100-69 '56.
- GRANITIZATION**
Possible relationship between the equilibrium and anisotropic energy of rocks and their resistance to granitization, IU, P. Mel'nik, Geol. zhur. 22 no. 6: 10-22 '62.
- GRANULAR MATERIALS**
Selecting operational parameters of vibrating hoisters for the hoisting of dry pulverized materials, IU, G. Gritsenko, TSvet. met. 36 no. 2:56-61 F '63.
- GRANULAR MATERIALS—TESTING**
Mechanization of the sampling of loose materials, S. N. Rudanovskii, Mekh. i avtom. protzv. 17 no. 1:33-35 Ja '63.
- GRANULOMA BENIGNUM**
Granuloma caused by foreign bodies simulating tumors, O. A. Ovanessian, Sh. A. Papazian, Vop. rent. i onk. 6:295-302 '61.
- GRAPE JUICE—MICROBIOLOGY**
Effect of some chemical preparations on the microflora of grape juice, F. I. Skoropad, V. V. Kotelev, Kh. V. Al'man, Izv. AN Mold. SSR no. 7:25-33 '62.
- GRAPES**
Effect of gibberellin on the growth of grapes, M. Kh. Chatalakhian, M. M. Sarkisova, Dokl. AN SSSR 148 no. 1:219-222 Ja '63.
Gibberellin in a vineyard, G. V. Gavrilov, Priroda 52 no. 2:80 '63.
- GRAPES—DISEASES AND PESTS**
Prints, I. A. [Pests and diseases of grapevines] Vrediteli i bolezni vinnogradnoi lozy, Izd. 2., ispr. i dop. Moskva, Sel'khozizdat, 1962, 248 p. (DNAI)
- GRAPES—VARIETIES** see subdivision under Abkhazia; Moldavia
- GRAPHIC ARTS** see subdivision under Soviet Central Asia
- GRAPHIC METHODS**
Study of the analytical properties of stepped diagrams by the method of complex orbital moments, R. M. Muradian, Dokl. AN SSSR 149 no. 1:80-83 Mr '63.
- GRASSES**
Chopping grass for ensilaging, N. V. Kolesnikov, Zhi-votnovodstvo 23 no. 6:73-76 Je '61.
Lessons on graminaceous plants, O. A. Ulianova, Biol. v shkole no. 6:13-19 N-D '62.
- GRASSES—FERTILIZERS AND MANURES** see subdivision under Kabardino-Balkar A. S. S. R.
- GRASSES AS FEED**
Fattening swine by hogging off potatoes and grasses, A. I. Rudakov, Biol. nauch. -tekh. inform. SZNIISKH no. 3:53-54 '58.
- GRAVIMETER (GEOPHYSICAL INSTRUMENT)**
Veselov, K. E., and I. L. Vasil'eva, [KVG-1M gravimeter and its working principles] Gravimetr KVG-1M, printsip ustroystva i rabota s nim, Moskva, Gosgeoltekhizdat, 1962, 32 p.
- GRAVITATION**
A generalization of Einstein's gravitation equations, K. P. Stanukovich, Dokl. AN SSSR 148 no. 2:321-324 Ja '63.
- Optimum conditions for the motion of a point of variable mass in a uniform central field, G. E. Kuzniak, V. K. Isaev, B. Kh. Davidson, Dokl. AN SSSR 149 no. 1:58-61 Mr '63.
- GRAVITY**
The E8iv8s experiment [translated from the English], R. H. Dicke, Usp. fiz. nauk 79 no. 2:333-343 F '63.
More on the behavior of a liquid approaching weightlessness, V. V. Shuleikin, Dokl. AN SSSR 147 no. 5:1075-1078 D '62.
- GRAVITY ANOMALIES**
Some values of the depth of bedding of disturbing bodies, V. N. Strakhov, Izv. AN SSSR, Ser. geofiz. no. 1:60-109 Ja '63.
- GRAVITY WAVES**
Light will show the gravity waves, M. Gerteenshtein, Znan. -stia 37 no. 12:36-37 D '62.
- GRAY MULLET** see subdivision under Black Sea
- GREAT BRITAIN—COLONIES**
Development of the colonization ideas of English imperialism [with summary in English, p. 221], G. I. Lotsmanova, Vop. ist. 38 no. 2:102-111 F '63.
- GREAT BRITAIN—DOCKS**
Mooring made of precast reinforced concrete (from "Civil Engineering and Public Works Review," no. 10, 1961), I. V. Gromolin, S. S. Pavlov, Transp. stroit. 12 no. 9:56-57 S '62.
- GREAT BRITAIN—DOMESTIC ENGINEERING**
Some information on foreign heating, ventilation and air conditioning, I. F. Livchak, Vod. i san. tekhn. no. 2: 32-36 F '63.
- GREAT BRITAIN—ECHO SOUNDING**
Echo sounder for small ships in coastal navigation (pamphlet published by the British firm Marine Electronics Ltd), Inform. sbor. TSNIIMF no. 66, Sudovozh. i aviaz' no. 17:64-65 '61.
Technical data of new foreign echo sounders (from pamphlets published by the British firm Woodson, and the West German firm Atlas Werke), Inform. sbor. TSNIIMF no. 60, Sudovozh. i aviaz' no. 15:85-90 '61.
- GREAT BRITAIN—ECONOMIC POLICY**
Shokmar, V. V. [Economic policy of British absolutism during the epoch of its flourishing] Ekonomicheskaya politika angliiskogo absolutizma v epokhu ego rassveta, [Leningrad] Izd-vo Leningr. univ., 1962, 163 p.
- GREAT BRITAIN—ELECTRONIC COMPUTERS**
English instruments and computers, G. I. Kononenko, Priborostroenie no. 1:26-27 Ja '63.
- GREAT BRITAIN—FOREIGN ECONOMIC RELATIONS**
How a French historian describes the foreign economic policy of England during the "Continental Blockade," V. G. Shrotkin, Vop. ist. 38 no. 2:105-106 F '63.
- GREAT BRITAIN—FOREIGN RELATIONS**
"The foreign policy of Great Britain at the first stage of the general crisis of capitalism" by V. G. Trukhanovskii, Reviewed by V. Popov, Mir. ekon. i mezhdunar. otn. no. 1:154-167 '63.
Maitskii, I. M. [Those who helped Hitler; reminiscences of the Soviet Ambassador] Kto pomogal Hitleru; iz vospominanii sovetskogo posla, Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962, 197 p.
- GREAT BRITAIN—FOREIGN RELATIONS—GERMANY**
"Spanish notebooks" and "Who helped Hitler; reminiscences of a Soviet ambassador" by I. M. Maitskii, Reviewed by D. Zaslavskii, Nov. vrem. 20 no. 12:29-31 Mr '63.
- GREAT BRITAIN—FOREIGN RELATIONS—IRAN**
"British expansion in Iran, 1914-1920" by I. I. Miroshnikov, Reviewed by S. L. Agayev, Nar. Az. i Afr. no. 1:230-231 '63.
- GREAT BRITAIN—GEOCHEMICAL RESEARCH**
Visit to British geochemists, A. A. Saikov, Vest. AN SSSR 33 no. 2:92-95 F '63.
- GREAT BRITAIN—HISTORY**
"The mass movement in England and Ireland in the late 18th and the early 19th century" by E. B. Cherniak, Reviewed by A. I. Molok, Nov. i noveish. ist. no. 6: 145-147 '62.
- GREAT BRITAIN—HOISTING MACHINERY**
Centralized lubrication of skip hoist cables (from "Iron and Steel," February 1962), V. L. Iuzhuk, Mont. i spets. rab. v stroit. 25 no. 3:28-29 Mr '63.
- GREAT BRITAIN—IMPERIALISM**
Development of the colonization ideas of English imperialism [with summary in English, p. 221], G. I. Lotsmanova, Vop. ist. 38 no. 2:102-111 F '63.
- GREAT BRITAIN—JUDICIAL ERROR**
Disproved myth, V. Iurenko, Rad. pravo no. 1:120-121 Ja-F '63.

GREAT BRITAIN—LOCOMOTIVES

A main line gas turbine locomotive with a mechanical transmission system. L. I. A. Levental'. Elek. i tepl. tizn 7 no. 2:46-48 F '63.

GREAT BRITAIN—LUBRICATION AND LUBRICANTS

Centralized lubrication of ship hoist cables (from "Iron and Steel," February 1962). V. L. Iuzhuk. Mont. i spets. rab. v stroi. 25 no. 3:28-29 Mr '63.

GREAT BRITAIN—MEASURING INSTRUMENTS

English instruments and computers. G. I. Kononenko. Priborostroyeniye no. 1:26-27 Ja '63.

GREAT BRITAIN—PRECAST CONCRETE CONSTRUCTION

Mooring made of precast reinforced concrete (from "Civil Engineering and Public Works Review," no. 10, 1960). I. V. Gramolin, S. S. Pavlov. Transp. stroi. 12 no. 9:55-57 S '62.

GREAT BRITAIN—PURITAN REVOLUTION, 1642-1660

"The Levellers and the English Revolution" (in English) by H. N. Brailsford. Reviewed by G. R. Levin. Nov. i novelezh. ist. no. 6:157-160 '62.

GREAT BRITAIN—RADAR IN NAVIGATION

Radar station for river boats with an indicator of the rate of turning (from "Fairplay," no. 3979, 1959 and the manufacturer's pamphlet). Inform. sbor. TSNIIMF no. 66. Sudovozh. i aviaz' no. 17:91-94 '61.

GREAT BRITAIN—RADAR IN NAVIGATION—GRAPHIC METHODS

Automatic plotting device "Autoplot" (from a pamphlet published by the firm X. H. Electrical Supplies Ltd.). Inform. sbor. TSNIIMF no. 66. Sudovozh. i aviaz' no. 17:85-89 '61.

GREAT BRITAIN—RADIO—TRANSMITTERS AND TRANSMISSION

New marine radio transmitter (from "British Communications and Electronics," no. 8, 1960). Inform. sbor. TSNIIMF no. 66. Sudovozh. i aviaz' no. 17:89-90 '61.

GREAT BRITAIN—RADIO TELEPHONE

New ultra-short radiotelephone station "The Argonaut" (from "Shipping World," no. 3485, 1960). Inform. sbor. TSNIIMF no. 66. Sudovozh. i aviaz' no. 17:90-91 '61.

GREAT BRITAIN—REPRESENTATIVE GOVERNMENT AND REPRESENTATION

Early history of the parliamentary reform of 1832 in England. M. B. Rabinovich. Vop. ist. 38 no. 2:193-194 F '63.

GREAT BRITAIN—SOCIAL CONDITIONS

Bagramov, L. A. [British sketches] Angliiskie zariisovki. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 60 p.

GREAT BRITAIN—TRACTORS

English industrial trucks (tractors). R. I. Gogunov. Mekh. i avtom. proizv. 17 no. 2:52-55 F '63.

GREAT NORTHERN WAR, 1700-1721 see Northern War, 1700-1721

GREECE—BRACHYCEPHALY

Brachycephaly in Greece and the problem of "dinization." A. N. Pulianos. Vop. antr. no. 10: 116-122 '62.

GREECE—HISTORY

Pikua, N. N., and others. [History of ancient Greece] Istoriya drevnei Gretsii. [By] T. V. Blavatskaya i dr. Pod red. V. I. Avdiyeva i N. N. Pikusa. Moskva, Vysshaya shkola, 1962. 501 p. maps.

GREECE—POLITICAL CRIMES AND OFFENSES

Disproved myth. V. Iurenko. Rad. pravo no. 1:120-121 Ja-F '63.

GREECE—POLITICS AND GOVERNMENT

Greece in the NATO team. V. Kondrat'ev. Agitator no. 2:34-36 Ja '63.

GREEK ARCHITECTURE see Architecture, Greek

GREEN MANURING

Lupine in the northern areas of the non-Chernozem zone [with summary in English]. T. F. Titov. Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:72-93 '60.

GREENHOUSE MANAGEMENT see subdivision under Latvia; Voronezh

GREENHOUSE PLANTS see subdivision under Voronezh

GREENHOUSES—HEATING AND VENTILATION

Design of electric heating of greenhouses by the "shielded element" method. M. I. Oranskii. Biol. nauch.-tekhn. inform. SZNIISKH no. 3:70-74 '63.

GREENLAND—ARCTIC FOX

Taxonomic characteristics of the Arctic fox on the Yamal Peninsula and in Greenland. V. S. Smirnov. Trudy Inst. biol. UFAN SSSR no. 29:71-80 '62.

GREENLAND SEA—SEA ICE

Seasonal variations of the carrying-out of ice from the Arctic basin into the Greenland Sea. G. N. Sergeev. Probl. Arkt. i Antarkt. no. 10:33-38 '62.

GREENSTONE see subdivision under Laba Valley

GRENADES

Russia (1923- U. S. S. R.) Armiia. Sukhoputnye voiska. Upravlenie boevoi podgotovki voisk aviazii. [Methods of preparation to use weapons; firearms and grenade launchers] Metodika ognevoi podgotovki; strelkovoe oruzhie i granatomy. Moskva, Voenizdat, 1962. 318 p.

GRIGNARD REAGENTS

Pyrazoles. Part 33: Oxidative elimination of a benzyl group and interaction of the Grignard reagent with halopyrazoles. I. I. Grandberg and others. Zhur. ob. khim. 33 no. 2:515-519 F '63.

Reaction of the methyl esters of mono- and dicarboxylic acids of ferrocene with α - and β -magnesium haloalkylsilanes. A. D. Petrov, E. B. Sokolova, G. P. Bakunich. Dokl. AN SSSR 148 no. 3:588-600 Ja '63.

GRIGOR, GRIGORII GRIGOR'EVICH, 1884-1960

In memory of Professor G. G. Grigor. L. N. Ivanovskii. Sib. geog. sbor. no. 1:221-224 '62.

GRINDING AND POLISHING

Grinding BK20 hard alloy with diamond wheels on metallic bond. A. E. Gelfand. Stan. i instr. 34 no. 1:30-32 Ja '63.

Grinding helical surfaces with an unequal pitch. V. I. Zagurskii. Mashinostroyeniye no. 6:16-19 N-D '62.

Grinding with diamond wheels on bakelite and metallic bond. N. S. Dogtiarenko, N. P. Vvedenskaya. Stan. i instr. 34 no. 1:26-30 Ja '63.

Honing holes in hardened pinions with diamond bricks. I. V. Orlov. Avt. prom. 29 no. 2:35-39 F '63.

Kogan, G. I. [Finishing gear wheels] Odelka zubchatykh kolez, 2., perer. izd. Pod obshch. red. N. I. Kolchina. Moskva, Mashgiz, 1962. 118 p. (Biblioteka zuboreza, no. 7)

Mordyshe, I. Z. [Contour grinding] Profil'noe shlifovanie. [Moskva] Mosk. rabochii, 1962. 71 p. (Novatory semiletii)

GRINDING AND POLISHING—ABSTRACTS

[Abrasive finishing of metals; abstracts] Abrazivnaya obrabotka metallov; referativnyi sbornik. Moskva, Filial Vses. in-la nauchn. i tekhn. informatsii, 1958. 43 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10, No. M-58-394/51)

GRINDING MACHINES

(see also subdivision under Lendnakan)

Automatic line for removing burr from diesel-engine block castings. M. V. Sobanin. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 1:20-22 '63.

Four-position device for removing burrs from plastic parts. M. M. Feigin and others. Mashinostroyeniye no. 1:25 Ja '63.

New grinding machines and advanced methods of abrasive and diamond treatments. Inform. biul. VDNKH no. 2:14-15 F '62.

Semiautomatic machine for grinding form cutters. A. Kotov, A. Lerner. Mashinostroyeniye no. 1:18 Ja '63.

VSh-277 special semiautomatic centerless grinding machine. L. B. Rogatnikov. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:41-42 '63.

VSh-278 special semiautomatic centerless grinding machine. L. B. Rogatnikov. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:42-43 '63.

GRINDING MACHINES—NUMERICAL CONTROL

Investigating the precision of an active-control system. A. V. Vysotskii. Stan. i instr. 34 no. 1:34-35 Ja '63.

GRINDING WHEELS

Centering grinding wheels by means of packings. E. A. Malyi. Stan. i instr. 34 no. 1:43-44 Ja '63.

GRIPPE see Influenza

GRISEIN

Effect of terramycin and grisein on some blood indices in calves. I. I. Shmygin. Veterinariia 38 no. 10:78-80 O '61.

GRITT'S AMPUTATION see Amputations of leg

GROCERY TRADE

"Self-service grocery stores" by I. A. Ivanov. Reviewed by S. Zorin. Sov. tovg. 35 no. 9:52-53 S '62.

GRODNO PROVINCE—INDUSTRIAL MANAGEMENT

Produce more, spend less. I. Maerov, A. Zarkhina. Mest. prom. i khud. promys. 3 no. 12:27 D '62.

GRODNO PROVINCE—RURAL CONDITIONS

Lights on the Kotra. Nina Khanuta. Rab. i sel. 39 no. 1:2-3 Ja '63.

GROSS NATIONAL PRODUCT see subdivision under United States

GROTHUSS, THEODORE, 1785-1822

New data on the life and activity of Th. Grothuss. I. A. P. Stradyn'. Trudy Inst. ist. est. i tekhn. 39:40-65 '62.

GROUND-EFFECT MACHINES

Air-cushion transportation machines. V. I. Griaznov. Sbor. trud. LIIZHT no. 199:16-33 '62.

Foreign ground-effect machines. L. A. Egorov, B. M. Fitterman. Avt. prom. 29 no. 2:44-48 F '63.

GROUPS, THEORY OF

Functor operations on the class of all groups. O. N. Golovin. Dokl. AN SSSR 149 no. 1:12-15 Mr '63.

On infinite groups of mappings given by differential equations. L. V. Ovsiannikov. Dokl. AN SSSR 148 no. 1:36-39 Ja '63.

On O. I. Schmidt's problem. M. I. Kargapolov. Sib. mat. zhur. 4 no. 1:232-235 Ja-F '63.

Partially ordered semigroups in which the characteristic convex subsemigroups do not intersect. I. A. V. Khlon. Izv. AN SSSR, Ser. mat. 27 no. 1:67-74 Ja-F '63.

Resolution of π -soluble groups into a direct product of subgroups. S. A. Chunikhin. Dokl. AN SSSR 147 no. 5: 1042-1044 D '62.

Semigroups with a Dedekind structure of subsemigroups. L. N. Shevrin. Dokl. AN SSSR 148 no. 2:292-295 Ja '63.

Some remarks on infinite simple groups. M. S. Tsalenko. Sib. mat. zhur. 4 no. 1:227-231 Ja-F '63.

A study of the effect exerted on the properties of a finite group by the greatest common divisor of the orders of all its classes of noninvariant conjugate Sylow subgroups. P. I. Trofimov. Sib. mat. zhur. 4 no. 1:236-239 Ja-F '63.

Symmetry of border ornaments in $n + 1$ -dimensional space. T. Roman. Dokl. AN SSSR 147 no. 5:1036-1041 D '62.

Topological construction of locally bicompact groups and their factor spaces. E. G. Skliarenko. Mat. sbor. 60 no. 1:83-88 Ja '63.

GROUSE

Taxonomic interrelations between sharpwinged grouse and Canada spruce grouse. L. S. Stepanian. Ornitologiya no. 5:368-371 '62.

GROWTH

Correlation between the morphological characteristics of rodents and the rate of their growth and some problems of intraspecific taxonomy. S. S. Shvarts. Trudy Inst. biol. UFAN SSSR no. 29:5-14 '62.

GROWTH (PLANTS)

Dynamics of the growth of apple roots and shoots in the Sevan basin [in Armenian with summary in Russian]. A. A. Simonian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:37-40 '62.

Effect of vertical zonality on the development and growth of varieties, hybrids, and self-pollinated lines of corn. M. K. Kerafova. Uch. zap. Kab.-Balk. gos. un. no. 11: 157-180 '61.

From the materials of studies on the growth of aspen in the zone of the influence of Rybinsk Reservoir. V. P. Seleznev. Trudy DGZ no. 7:118-127 '61.

GROWTH INHIBITING SUBSTANCES

Growth inhibiting substances in crop residues and weeds. Part 1: Effect of water-soluble inhibitors on seed germination and plant growth [with summary in English]. A. M. Hrodzinskiy and others. Ukr. bot. zhur. 19 no. 6:30-38 '62.

GROWTH PROMOTING SUBSTANCES

Effect of physiologically active substances on the growth development and morphology of the generative organs of some representatives of the family cucurbitaceae [with summary in English]. A. K. Dzevaltovskiy. Ukr. bot. zhur. 19 no. 6:13-22 '62.

Effect of synthetic growth promoting preparations and vitamins on the formation of roots of cuttings and ringed branches of fruit plants. M. Kh. Chailakhian, M. A. Ambarisunian, M. M. Sarkisova. Izv. AN Arm. SSR, Biol. nauki 15 no. 8:7-20 Ag '62.

Nature of the effect of growth-promoting substances on tomatoes as related to the conditions of nutrition. V. V. Sarnatskain. Nauch. trudy Ukr. nauch.-issl. inst. fiziol. rast. no. 23:141-150 '62.

Stimulators are working for yield. F. Riabov. Agitator no. 3:49-51 F '63.

Turetskaya, R. Kh. [Instructions for the use of growth promoting substances in the vegetative propagation of plants] Instruktisia po primeneniiu stimulyatorov rosta pri vegetativnom razmnozhenii rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 80 p. (DNAL)

Use of petroleum growth stimulants in poultrybreeding. Z. M. Alieva. Veterinariia 38 no. 10:71-73 O '61.

GROZNYI—CHEMISTRY, ORGANIC—SYNTHESIS

An arsenal of polymer materials. P. Nazarov, F. Mustafin. Agitator no. 4:41-44 F '63.

GUAIACOL

Condensation of guaiacol with unsaturated alcohols in the presence of phosphoric acid. A. I. Kakhniasvili, D. S. Paredzhikida, M. L. Kantaria. Zhur. ob. khim. 33 no. 2:667-673 F '63.

- GUBINA, TAT'IANA NIKOLAEVNA, 1895-1982**
Tat'iana Nikolaevna Gubina; an obituary. *Geod. i kart.* no. 12:66-67 D '62.
- GUIDED MISSILES—RADAR EQUIPMENT**
Control equipment for air-to-air rockets. M. Kozlovskii. *Av. i kosm.* 45 no. 2:73-78 F '63.
- GUINEA—COMMERCE**
Commerce in the Republic of Guinea. V. Dykov. *Sov. torg.* 35 no. 9:56-57 S '62.
- GULIAEV, S. I., 1895-1898**
New materials on S. I. Guliaev. I. A. R. Koshelev. *Rus. fol'k.* 7:367-373 '62.
- GUMS—DISEASES**
Syrakov, D., and El. Alanasova. [Parodontopathy; etiology, clinical aspects, and treatment] Parodontopatii; etiologiya, klinika i lechenie. Pod red. A. I. Marchenko. Sofia, Gos. izd-vo "Meditsina i fizkul'tura," 1962. 212 p. (DNLM)
- GUMS AND RESINS**
Determining the coefficient of diffusion in the extraction of resinous substances from tar-impregnated stump wood by the "Kaloša" solvent. L. V. Gollkov, V. N. Kozlov. *Trudy Inst. khim. UFAN SSSR* no. 6:83-69 '61. Resins obtained by wood thermolysis and their application. D. V. Tishchenko. [Trudy] NTO bum. i der. prom. no. 8:257-266 '59.
- GUNPOWDER**
Stability conditions of the combustion of gunpowder in a semienclosed volume. I. A. B. Zeldovich. *PMTF* no. 1: 67-76 Ja-F '63.
- GUNPOWDER, SMOKELESS**
D. I. Mendeleev and the Scientific and Technical Laboratory of the Navy Department. A. I. Averbukh. *Trudy Inst. ist. est. i tekhn.* 39:222-247 '62.
- GUNSHOT WOUNDS**
Morphological and functional changes in the kidneys following experimental gunshot wounds [with summary in English]. S. S. Mikhailov. *Vest. khir.* 89 no. 11: 52-63 N '62.
- GUR'YEV PROVINCE—WATER SUPPLY, RURAL**
Water resources of the Volga-Ural region at the service of animal husbandry in Kazakhstan. M. Sh. Zozulia, K. K. Tatarintsev. *Zhivotnovodstvo* 23 no. 8:30-33 Ag '61.
- GUYAQUIL, ECUADOR—ECONOMIC CONDITIONS**
At the mouth of the Guayas River. I. U. Gvozdev. *Nov. vrem.* 20 no. 11:24-25 Mr '63.
- GYMNASTICS**
Shlemis, A. M., ed. [Classification of exercises for gymnasts] Obucheniye gimnastov klassifikatsionnykh uprazhneniyam; metodicheskoe posobie dlia trenerov gimnastiki DSSR, SSSR i kolektivov fizicheskoi kul'tury. Moskva, Fizkul'tura i sport, 1962. 185 p. Use of the means of physical preparedness in a week's training cycle for gymnasts of higher sports rank. A. A. Korobova, A. B. Plotkin. *Teor. i prak. fiz. kul't.* 25 no. 12:32-35 D '62.
- GYNECOLOGY, OPERATIVE**
Surface endotracheal anesthesia in serious gynecological operations. V. A. Golovinski, S. I. Tsirul'nik. Nauch. trudy Chetv. Mosk. gor. klin. bol'., no. 1:174-182 '61.
- GYPSUM**
Study of the hydration process of structural gypsum at low water-gypsum ratios. N. V. Topchieva. *Stroi. mat.* 9 no. 2:31-32 F '63.
- GYPSUM PRODUCTS**
Redesigning the production line. D. Viberg, E. Neginskii. *Ne stroi. Ros.* 3 no. 2:32 F '62.
- GYROSCOPE**
Effect of the torque of a gyromotor on the motion of a gyroscope in gimballs. V. A. Pavlov. *Izv. vys. ucheb. zav.; prib.* 6 no. 1:92-102 '63.
Equation of the movement of the vertical axis of an aerial camera mounted in a gyrostabilizer. V. I. Torochkov. *Izv. vys. ucheb. zav.; geod. i aerof.* no. 4:147-154 '62.
Ishlinski, A. I. [Mechanics of gyroscopic systems] Mekhanika giroskopicheskikh sistem. Moskva, Izd-vo Akad. nauk SSSR, 1963. 482 p.
Motion of a gyroscope under the action of the jet-force moment. O. I. Komarnitskaia. *Izv. vys. ucheb. zav.; prib.* 6 no. 1:88-91 '63.
- HAFNIUM**
Determination of the optimum conditions for the extraction of microquantities of hafnium with tributyl phosphate. L. N. Komissarova and others. *Zav. lab.* 29 no. 1:85-88 '63.
Extraction of zirconium and hafnium with n-tributyl phosphate from solutions containing nitric and hydrochloric acids. A. M. Reznik and others. *Radiokhim. i at. energ.* 14 no. 1:49-59 '63.
Mathematical model for the process of extractive separation of hafnium and zirconium with tributyl phosphate. I. U. V. Granovskii and others. *Zav. lab.* 29 no. 1:60-65 '63.
- HAFNIUM COMPOUNDS**
Preparation of hafnium 8-hydroxyquinolate of a definite composition [with summary in English]. O. M. Kalinkina, N. P. Rudenko. *Zhur. anal. khim.* 17 no. 9:1120-1121 D '62.
- HAFNIUM HALIDES—DENSITY**
Orthobaric densities and critical parameters of zirconium (IV) and hafnium (IV) halides. L. A. Nisels'son, T. D. Sokolova. *Zhur. neorg. khim.* 7 no. 12:2653-2660 D '62.
- HAFNIUM-ZIRCONIUM ALLOYS**
Mechanical properties and corrosion resistance of hafnium-zirconium alloys in a steam-and-water medium. R. V. Grebennikov, F. P. Shamashov. *Atom. energ.* 14 no. 3:280-285 Mr '63.
- HAIR**
Hair coat of Red Steppe cattle. A. I. Zhuravov. *Zhivotnovodstvo* 23 no. 7:71-73 Ji '61.
Identification of agglutinogens of the ABO isoserological system in the hair. N. N. Acherkan. *Sud.-med. ekspert.* 6 no. 1:21-28 Ja-Mr '63.
Research on the morphology of human hair in Japan. A. A. Zubov. *Vop. antr.* no. 10:123-133 '62.
- HAIR—DISEASES**
Fractional X-ray therapy for trichomycoses of the hairy portion of the head. G. S. Sokolenko. *Zdrav. Kazakh.* 22 no. 11:55-66 '62.
- HAIRDRESSING**
Styles of 1962. Zhil.-kom. khoz. 12 no. 8:3 of cover, Ag '62.
This is the fashion now. Zhil.-kom. khoz. 12 no. 8:31 S '62.
- HAKULINEN, VEIKKO**
V. Hakulinen's training before the 1958 world championship. V. Shaposhnikova, O. E. vi. *Teor. i prak. fiz. kul't.* 25 no. 12:65-66 D '62.
- HALIDES**
Distribution of microcomponents between solid and liquid phases in the systems $NH_4Br - CuBr_2 - H_2O$ and $NH_4Cl - CdCl_2 - H_2O$ in the presence of hydrogen ions. E. M. Joffe. *Radiokhim. i at. energ.* 14 no. 1:135 '63.
Iso (tri) polyhalides very similar in properties to alkaline metals, and their use in the removal of cesium from rubidium compounds. V. E. Plushchev, S. B. Stepana, L. I. Lepeshkova. *Dokl. AN SSSR* 148 no. 3:601-604 Ja '63.
- HALL EFFECT**
Dependence of Hall constants on temperature and spontaneous magnetization of iron-nickel alloys. N. V. Bazhanova. *Fiz. met. i metalloved.* 15 no. 1:140-142 Ja '63.
- HALOGEN COMPOUNDS**
Salts of dialkyl phosphorothioic acids. Part 5: Interaction of salts of dialkyl phosphorothioic acids with aromatic halogen derivatives. V. G. Pesin, A. M. Khaletskii, I. G. Vitenberg. *Zhur. ob. khim.* 33 no. 2: 388-391 F '63.
- HALOGENATION**
Alkanesulfonic acids. Part 28: Halogenation of alkanesulfo- α -aminopyridines. A. G. Kostova. *Zhur. ob. khim.* 33 no. 2:595-598 F '63.
- HALOGENS**
Characteristic chemical properties of organic compounds containing a positive halogen. S. S. Novikov, V. V. Sevost'ianova, A. A. Fainzil'berg. *Usp. khim.* 31 no. 12: 1417-1436 D '62.
New adsorbent of halogens in the simultaneous micro-determination of carbon, hydrogen, and halogens. A. A. Abramian, S. M. Atashian. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 8:521-525 '62.
Pyrazoles. Part 32: Mobility of halogen in a pyrazole ring. I. I. Grandberg, L. I. Gorbacheva, A. N. Kost, Zhur. ob. khim. 33 no. 2:511-515 F '63.
Simultaneous determination of germanium and halogens in organic compounds [with summary in English]. M. D. Vitalina, V. A. Klimova. *Zhur. anal. khim.* 17 no. 9:1105-1108 D '62.
- HAND**
Proportions of the hand of primates; an ecological and morphological study. L. P. Astanin. *Vop. antr.* no. 10:3-15 '62.
- HANDICAPPED CHILDREN—EDUCATION**
Fourth session on defectology. V. I. Lubovskii, T. V. Rozanova. *Vop. psikh.* no. 8:181-184 N-D '62.
Spirova, L. F., and R. I. Shuifer. [Methods of teaching the Russian language to children with speech disorders; learning to read and write] Voprosy metodiki obucheniya russkomu iazyku detei s narusheniyami rechi; obucheniye gramote. Moskva, Izd-vo APN RSFSR, 1962. 90 p. (Pedagogicheskaya biblioteka uchitel'ia)
- HANDICRAFT** see subdivision under Uzbekistan
- HANDRAILING**
Lining of railing elements. A. F. Zhukov. *Avi. dor.* 25 no. 8:27 Ag '62.
- HANDWRITING** see Penmanship
- HAPPINESS**
Happy New Year! *Nauka i rel.* 4 no. 1:3-7 Ja '63.
Marxist ethics and happiness. P. A. Landesman, I. U. V. Sogomonov. *Vop. filos.* 17 no. 2:145-166 '63.
- HAPTOGLOBIN**
Use of haptoglobin types in forensic medical investigations; a survey of the foreign literature. A. P. Bzlov, O. S. Budinkov. *Sud.-med. ekspert.* 6 no. 1:28-29 Ja-Mr '63.
- HARBORS**
Efficient use of the car changing yards in harbors. N. Bel'deman, V. Lavrenko. *Mor. flot* 23 no. 2:10-11 F '63.
"Organization of storage operations in sea harbors." B. G. Prikhodko. Reviewed by L. Andronov, M. Kotov, M. Slapak. *Mor. flot* 23 no. 2:41-42 F '63.
- HARBORS—ACCOUNTING**
Basic indices of loading and unloading operations in the freight turnover structure of harbors. P. Shenotuk. *Mor. flot* 23 no. 2:4-8 F '63.
- HARD FACING**
Adjustment of a system for electric build-up welding of machinery. L. A. Gol'dring. *Prom. energ.* 18 no. 2: 20-21 F '63.
Argon-arc hard facing of boat-harvesting combine disks. M. S. Poliak. *Svar. proizv.* no. 1:22-23 Ja '63.
Automatic hard facing of iron mill rolls. G. P. Dubenko, V. A. Timchenko. *Avtom. svar.* 15 no. 12:16-23 D '62.
High-frequency hard facing with sormite of self-dressing plowshares. V. N. Tkachev, N. V. Kazintsev. *Svar. proizv.* no. 1:14-16 Ja '63.
Investigating and developing a method of automatic hard facing of automobile exhaust valves. V. K. Kalenskii, P. V. Gladkii, I. I. Frumkin. *Avtom. svar.* 18 no. 1:15-22 Ja '63.
Regulating temperature cycles in mechanized arc hard facing of cylindrical parts. V. I. Makhnenko. *Svar. proizv.* no. 2:20-25 F '63.
- HARD FACING—CONGRESSES**
All-Union Conference on Hard Facing Operations. I. S. Reznichenko. *Avtom. svar.* 15 no. 12:86-89 D '62.
- HARDBOARD**
Operating efficiency of a multistory board press in producing hardboards from wood chips. I. A. T. Bankleris. *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5:103-103 '62.
Sharply increase the production of wood fiber blocks. A. Ruseiskii. *Ne stroi. Ros.* 3 no. 2:14 F '62.
Using spent tanbark in the production of fiberboards. Report No. 2. N. I. A. Solov'ev, A. I. Novosot'skii. *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5:143-147 '62.
- HARDNESS**
Correlation between composition and hardness at various temperatures in the system magnesium - cadmium. V. P. Shishokin, L. N. Bazilovskii. *Fiz. met. i metalloved.* 15 no. 1:70-81 Ja '63.
Distortion of dents in measuring the microhardness of zinc and bismuth [in Georgian with summary in English]. V. M. Dolidze. *Trudy Inst. fiz. AN Gruz. SSR* 0:221-230 '62.
High precision. A. Subbotin, A. Gerasimov. *Meat. prom. i khud. promys.* 3 no. 1:22 Ja '63.
Simultaneous action of zinc and sodium impurities on the microhardness and structure of a recrystallized surface layer of tin. N. L. Pokrovskii, T. G. Smirnova. *Fiz. met. i metalloved.* 14 no. 8:890-894 D '62.
- HARDWOODS**
(see also subdivision under Georgia)
Diversified use of the wood of hardwood species. A. K. Slavianskii. *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5: 140-142 '62.
Obtaining binding materials for wood particle boards on the basis of wood tar phenols. V. N. Kozlov, I. P. Kolenko. *Trudy Inst. khim. UFAN SSSR* no. 6:71-76 '61.
- HARVESTING**
Preventing the loss of farm products; facts and figures. Agitator no. 13:38-39 Ji '62.
- HARVESTING MACHINERY**
(see also subdivision under Virgin Territory)
Automatic steering of a combine harvester. N. Petrov. *Tekh. v sel'khoz.* 22 no. 7:83-84 Ji '62.
Conversion of the SK-2, 6 combine harvester. A. Chernyshev. *Tekh. v sel'khoz.* 22 no. 13:81 D '62.
Conversion of the ZhRB-4, 9 harvester for work on increased speeds. I. Zhogolev. *Tekh. v sel'khoz.* 22 no. 7:75-78 Ji '62.
Grain harvesting with simultaneous straw chopping. M. Komarova. *Tekh. v sel'khoz.* 22 no. 7:80-82 Ji '62.
Reinforced crankshaft of a straw packing mechanism. E. Bulcev. *Tekh. v sel'khoz.* 22 no. 12:81 D '62.

HARVESTING MACHINERY (Continued)

- Self-propelled harvesters for swath cutting of grain.** I. Samokhodskaya, G. Kobrits, Tekh. v sel'khoz. 22 no. 7:69-71 JI '62.
- Straw packing mechanism of SK-3 and SK-4 combine harvesters.** Tekh. v sel'khoz. 22 no. 12:80-81 D '62.
- The ZhSF-1, 8 cutter-binder.** A. Gorenshstein, Tekh. v sel'khoz. 22 no. 7:60 JI '62.
- The ZhVN-10 mounted windrow harvester.** V. L. Pashkina, Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 1:68-69 '63.

HARVESTING MACHINERY—MAINTENANCE AND REPAIR

- Cleaning of the radiators of SK-3 (SK-4) harvesters.** A. Pereverzev, Tekh. v sel'khoz. 22 no. 7:76-78 JI '62.

HARZBURGITE see subdivision under Ural Mountains

HASSEL, KAI-UE VON, 1913-

- Commentary and facts. N. Malysheva and others. Az. i Afr. seg. no. 2:50-53 F '63.

HATTER'S FUR

- All-Union interfactory school for the study, generalization and introduction of advanced methods of cutting.** E. I. Oltus'ka, Leh. prom. no. 3:86 Je-Ag '62.

HAVANA—THEATER

- "History of the theater in Havana" (in Spanish) by Edwin T. Tolon, Jorge A. Gonzalez.** Reviewed by IU. Nuzina. Teatr 24 no. 1:68-69 Ja '63.

HAWKS

- Characteristics of clinal variations of the sparrow hawk.** E. N. Kurochkin. Ornitologiya no. 5:414-425 '62.

HAY

- (see also subdivision under Lithuania)

- Using hay harvested from tracts treated with the herbicide B-2, 4-D.** A. A. Stupnikov, Zhivotnovodstvo 23 no. 6:79 Je '61.

HAY—DRYING see subdivision under Baltic region

HAY—HARVESTING

- Device for the formation of air channels in hay bales.** L. L. Lisovskii, E. M. Kils, Zhivotnovodstvo 23 no. 5:52-54 My '61.

HAY AS FEED

- Results of four years' work in substituting silage for hay in winter rations for cows.** S. Ia. Zafrei, E. K. Shurba, Zhivotnovodstvo 23 no. 8:43-50 Ag '61.

HEAD—BLOOD SUPPLY

- Valves of veins in the visceral portion of the head of some vertebrates.** E. M. Kievskaya, Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:72-80 '58.
- Veins of the visceral portion of the head in some vertebrates.** E. M. Kievskaya, Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:23-39 '58.

HEALTH EDUCATION

- "Use of experiments in the propaganda of medical and hygienic knowledge" by N. B. Korostelev.** Reviewed by R. D. Mash. Biol. v shkole no. 6:91-92 N-D '62.

HEALTH RESORTS, WATERING PLACES, ETC. see subdivision under Azerbaijan; Crimea; Georgia; Kiyuchl (Perm Province); Tajikistan; Tskhakubo

HEARING

- Bone conductivity in otosclerosis [with summary in English].** V. A. Gukovich, Zhur. ush., nos. i gorl. bol. 22 no. 4:18-24 JI-Ag '62.

- Effect of noise from Diesel engines on the auditory function of workers at testing stations.** Z. F. Nestrugina, V. F. Rudenko, Vrach. delo no. 11:114-117 N '62.

- Process of speech sound discrimination [with summary in English].** L. A. Chistovich, IU. A. Klaas, IU. I. Kuz'min, Vop. psikh. no. 6:28-39 N-D '62.

HEART

- Effect of euphyllin, papaverine, nitroglycerin and chlorazoline on the tone of the coronary vessels and oxygen absorption by the myocardium under conditions of heart isolation by Langendorff's method [with summary in English].** V. V. Bulanov, I. E. Kisin, Vest. AMN SSR 18 no. 1:36-40 '63.

- Two components of ventricular contraction of the frog heart [with summary in English].** V. V. Sysoev, Vest. LGU 18 no. 3:149-153 '63.

HEART—ABNORMALITIES AND DEFORMITIES

- Case of a peculiar heart anomaly.** G. A. Sokolov, N. N. Koltsova, Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:103-109 '58.
- Diagnosis and surgical treatment of defects of the interauricular septum.** M. I. Burmistrov, Klin. khir. no. 11:35-40 N '62.

HEART—BLOOD SUPPLY

- Anatomy of cardiac veins in some vertebrates.** V. A. Kornichuk, Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:3-5 '58.

- Effect of pharmacological substances on the blood supply to the heart in acute disorders of coronary circulation [with summary in English].** G. A. Markova, Vest. AMN SSR 18 no. 1:33-35 '63.

- Veins of the visceral portion of the head in a whale embryo.** E. M. Kievskaya, Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:12-22 '58.

HEART—DISEASES

- "Auscultative symptomatology of acquired vitia cordis" by I. A. Kassirskii, G. I. Kassirskii.** Reviewed by IA. M. Grushko. Sov. med. 26 no. 12:127-128 D '62.

- Chernogorov, I. A. [Disorders of the cardiac rhythm] Narusheniia ritma serdtsa. Moskva, Medgiz, 1962. 370 p. (DNLN)**

- Instances of congenital heart defects among members of one family.** K. A. Kiandarian, Vop. rent. i onk. 6:17-27 '61.

- Working classification of pneumocardial insufficiency in pneumoconiosis.** K. G. Abramovich, Vrach. delo no. 1:123 Ja '63.

HEART—INFARCTION

- Effect of some vasodilative and ganglioblocking agents on the development of collateral vessels in the heart following myocardial infarction in rabbits with arteriosclerosis [with summary in English].** A. A. Miazdrikova, Vest. AMN SSR 18 no. 1:23-27 '63.

- Experimental myocardial infarction and the reaction of the intramural neural elements of the cardiac veins proper [with summary in English].** P. A. Shipita, Vrach. delo no. 1:57-61 Ja '63.

- Experimental study of the pathogenesis of myocardial infarction [with summary in English].** M. I. Gurevich and others, Vrach. delo no. 11:20-24 N '62.

- Myocardial infarct according to autopsy material taken from the dissecting room of the First Alma-Ata Municipal Clinical Hospital for 1956-1961.** K. N. Kikheeva, Zdrav. Kazakh. 22 no. 11:54-58 '62.

- Stimulation of the activity of glutamic-oxalacetic aminophenase in the zone of an experimental myocardial infarct.** IU. V. Bukin, Dokl. AN SSSR 148 no. 2:452-455 Ja '63.

HEART—INNERVATION see Nerves, Cardiac

HEART—MUSCLE

- Morphology of Purkinje fibers in the conducting system of the human heart in ontogenesis.** V. D. Vokoliuk, Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:125-132 '58.

- Structure and development of Purkinje fibers in the conducting system of the heart in a dog.** V. D. Vokoliuk, Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:133-136 '58.

HEART—RADIOGRAPHY

- Radioecopic diagnosis of mitral stenosis and juxtaposition of X-ray data on patients following commissurotomy.** I. L. Arabel, Vop. rent. i onk. 6:29-33 '61.

HEART—SOUNDS

- Systolic murmur in mitral stenosis.** R. I. Mikhunis, N. M. Shevchenko, T. N. Lipnitskii, Vrach. delo no. 1:125-127 Ja '63.

HEART—SURGERY

- Care of the patient following a heart operation with the use of artificial blood circulation.** M. Gubka and others, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:67-72 '62.

- Defects of the heart septum in children and indications for their surgical treatment by the use of artificial blood circulation.** Irena Iubstova, Trudy inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:53-56 '62.

- Diagnosis and surgical treatment of defects of the interauricular septum.** M. I. Burmistrov, Klin. khir. no. 11:35-40 N '62.

- Protection of the myocardium during the prevalence of asystole in an intracardiac operation by the use of the apparatus for artificial blood circulation.** M. Gubka and others, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:57-65 '62.

- System for drawing up the blood lost during cardiectomy using artificial blood circulation.** M. F. Zin'kovskii, Klin. khir. no. 11:88-91 N '62.

- Therapeutist's opinion on indications in favor of a heart operation.** V. Gaviar, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:43-51 '62.

HEART—TUMORS

- Primary cardiac tumors.** V. D. Kalinin, Sud.-med. eksp. 6 no. 1:50-52 Ja-Mr '63.

HEART—WOUNDS AND INJURIES

- Closed cardiac trauma [with summary in English].** V. G. Burchinskii, Vrach. delo no. 1:69-71 Ja '63.

HEAT

- Use of γ -rays for studying the liquid phase of a system with high parameters.** I. Kh. Khaibullin, N. M. Borisov, Teploenergetika 10 no. 2:78-82 F '63.

HEAT—BIBLIOGRAPHY see Bibliography—Heat

HEAT—CONDUCTION

- Computation of nonstationary temperature fields in a two-layer plate [with summary in English].** N. G. Tamurov, Inzh. -fiz. zhur. 5 no. 12:106-112 D '62.

- Heat conduction equations for plates of variable thickness [with summary in English].** IA. S. Pidstrygach, V. M. Hembara, Dop. AN URSR no. 12:1587-1590 '62.

- Measurement of the wall temperature [with summary in English].** G. F. Shaldurov, Inzh. -fiz. zhur. 5 no. 12:85-90 D '62.

- Unsteady heat conduction in multilayer media. Part 1: General solutions for plane systems [with summary in English].** G. F. Muchnik, I. A. Zaidenman, Inzh. -fiz. zhur. 5 no. 12:71-76 D '62.

HEAT—CONVECTION

- Convective heat exchange in combustion chambers.** E. P. Karasov, Sudostroenie 29 no. 2:29-33 F '63.

- Convective heating of a stationary layer of plates [with summary in English].** V. G. Abrikumov, Inzh. -fiz. zhur. 5 no. 12:77-79 D '62.

- Generalization of experimental data on heat transfer in nucleate boiling on the basis of the theory of thermodynamic similarity [with summary in English].** V. M. Borishanskii, A. P. Kozyrev, Inzh. -fiz. zhur. 5 no. 12:3-8 D '62.

- Measuring the components of the fluctuation velocity by means of a unifilar thermomonometer [with summary in English].** V. V. Skobunov, Inzh. -fiz. zhur. 5 no. 12:23-26 D '62.

HEAT—PERIODICALS

- Articles published in the international journal "Teplo i massoprenos," November, 1962.** E. A. Bogachova, Inzh. -fiz. zhur. 6 no. 2:139-140 F '63.

HEAT—PHYSIOLOGICAL EFFECT

- You are working in a hot workshop...** M. Khromchenko, Sov. profsoyuz 10 no. 2:31 Ja '63.

HEAT—RADIATION AND ABSORPTION

- Coefficient of continuous radiation absorption by the diatomic molecules of hydrogen.** S. P. Erkovich, Trudy MTIPP 15:176-182 '60.

- Devising the theory of the heat radiation field.** IU. A. Surinov, Trudy MTIPP 15:127-176 '60.

- Experimental determining of the angular coefficients of heat transfer by radiation.** IU. V. Kurbakov, Trudy MTIPP 15:193-201 '60.

- Heat transfer by radiation in an open cavity.** S. I. Shevitsov, Trudy MTIPP 15:182-192 '60.

- Nonsteady-state radiative heat transfer between two opaque grey bodies.** N. A. Rubtsov, PMTF no. 1:140-144 Ja-F '63.

HEAT—TRANSMISSION

- Allowing for heat transfer and the temperature dependence of viscosity in the problem of a viscous liquid flow between two rotating concentric cylinders [with summary in English].** S. K. Aslanov, Inzh. -fiz. zhur. 6 no. 2:8-14 F '63.

- Analytical study of heat and mass transfer in an infinite plate and sphere.** M. S. Kozlova, Trudy MTIPP 15:74-81 '60.

- Analytical study of the interior heat and mass transfer in capillary-porous solids in the presence of phase conversion.** E. I. Slizakova, Trudy MTIPP 15:117-126 '60.

- Calculating the microclimate at posts in steam power plant spaces.** A. M. Kozik, Sudostroenie 29 no. 2:27-29 F '63.

- Coefficient of effective heat emission and relative losses in the cooling system using load characteristics.** N. K. Shokotov, Teplov. i sud. dvig. no. 3:31-43 '62.

- Computation of heat transfer in liquid-fuel steam boiler furnaces [with summary in English].** S. M. Pokrovskii, Inzh. -fiz. zhur. 5 no. 12:84-85 D '62.

- Criterial dependences in zonal calculations of heat exchange in furnace chambers.** IU. A. Surinov, Trudy MTIPP 15:201-217 '60.

- Determination of critical thermal currents during the boiling of a high-boiling heat carrier in pipes.** L. S. Sterman, V. D. Mikhailov, Teploenergetika 10 no. 2:82-87 F '63.

- Determination of local and mean heat transfer coefficients for fuel rods of an IRT research reactor [with summary in English].** V. I. Gomelauri, G. V. Ratiiani, Trudy Inst. fiz. AN Gruz. SSR 8:25-40 '62.

- Effect of a transverse mass flow on skin friction and heat transfer in turbulent flow of a compressible gas [with summary in English].** P. N. Romanenko, V. N. Kharchenko, Inzh. -fiz. zhur. 6 no. 2:52-59 F '63.

- Effect of combustion processes on the heat exchange in pulverized coal furnaces.** A. M. Gurevich, G. M. Pludovskaya, Teploenergetika 10 no. 2:9-11 F '63.

- Effect of heat generation in the arc on metal melting during welding.** A. G. Mazel', I. N. Vornovskii, V. D. Tarlinskii, Avtom. svar. 15 no. 12:32-40 D '62.

HEAT — TRANSMISSION (Continued)

- Effect of the radiant component on the nature of heat transfer in sublimation under vacuum [with summary in English]. P. A. Novikov. *Inzh. -fiz. zhur.* 5 no. 12: 80-83 D '62.
- Experimental determining of the angular coefficients of heat transfer by radiation. IU. V. Kurbakov. *Trudy MTIPP* 15:183-201 '60.
- Experimental study of heat transfer and critical thermal loads in free boiling of water [with summary in English]. V. S. Golovin, B. A. Kol'chugin, D. A. Labunsov. *Inzh. -fiz. zhur.* 6 no. 2:3-7 F '63.
- Heat and mass transfer in anisotropic bodies [with summary in English]. N. I. Gamaiunov. *Inzh. -fiz. zhur.* 6 no. 2:118-121 F '63.
- Heat balance in the drip melting process of electrodes in arc welding. A. A. Erokhin. *Aviom. svar.* 15 no. 12: 24-31 D '62.
- Heat transfer by radiation in an open cavity. S. I. Shevtsov. *Trudy MTIPP* 15:182-192 '60.
- Heat transfer through ribbed pipes. N. I. Panov, A. P. Tret'akov, N. I. Korolev. *Trudy MIIT* no. 151:42-60 '62.
- Heat transfer to liquid metals flowing in tubes. V. M. Borishanskii, T. V. Zabloukai, N. I. Ivanishchenko. *Atom. energ.* 14 no. 3:320-321 Mr '63.
- Heat waves in infinite space with a cylindrical cavity. A. A. Koshkin. *PMTF* no. 1:138-140 Ja-F '63.
- Hydraulics and heat transfer in a fluidized bed with an upright tube bundle. N. I. Gelf'perin, V. G. Ainshtein, N. A. Romanova. *Khim. prom.* no. 11:781-788 N '62.
- Investigating the heat transfer of single flat ribbed pipes depending on the parameters of ribbing. N. I. Panov, A. P. Tret'akov, N. I. Korolev. *Trudy MIIT* no. 151: 29-41 '62.
- Investigating the heat transfer of the single pipes of diesel locomotive coolers. N. I. Panov, A. P. Tret'akov, N. I. Milai. *Trudy MIIT* no. 151:4-28 '62.
- New finite integral transformation for problems of heat and mass transfer. E. M. Goll'dfarb. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:167-172 '63.
- New method of computing the resistance of exterior elements to heat exchange by calculating R_{Σ} . V. N. Bogoslovskii. *Vod. i san. tekhn.* no. 1:15-20 Ja '63.
- Optimum method of calculating the heat absorption of open-hearth furnace baths. V. I. Kaganov and others. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:194-200 '63.
- Physicochemical changes occurring in wheat grains during hydrothermal processing. E. D. Kazakov, I. A. Sakharova. *Trudy MTIPP* 15:41-44 '60.
- Solution of heat conduction problems involving time-dependent heat transfer coefficients. IU. L. Rozenshtok. *PMTF* no. 1:136-137 Ja-F '63.
- Some general problems of the theory of heat exchange. IU. A. Surinov. *Trudy MTIPP* 15:3-30 '60.
- Thermophysical properties of molding materials under high temperature conditions. K. L. Sheptunov. *Trudy MTIPP* 15:113-117 '60.

HEAT CAPACITY

- Study of heat conductivity of distillates formed during chlorination of titanium slag in the melt. P. P. Khornikov and others. *Zav. lab.* 20 no. 3:330-331 '63.

HEAT ENGINEERING—ABSTRACTS

- [Heat engineering] Ref. zhur.: *Teploenerg.* nos. 1-3 Ja-Mr '63.

HEAT ENGINEERING—DICTIONARIES

- Shelud'ko, I. M., P. I. Hnyv, and V. H. Marynychenko, comps. [Russian-Ukrainian dictionary on heat and gas engineering. 32 000 terms] *Rosits'ko-ukrains'kyi slovnyk z teploekhniki ta gazotekhniki.* 32 000 terminiv. Vidpovidalnyi red. I. T. Shvets'. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 308 p.

HEAT ENGINES—MODELS

- Model of a heat engine. P. I. Drozd. *Fiz. v shkole* 22 no. 6:53-54 N-D '62.

HEAT EXCHANGERS

- Berman, S. S. [Calculation of heat exchangers of turbine systems] *Raschet teploobmennyykh apparatov turbostanovok.* Moskva, Gosenergizdat, 1962. 239 p.
- Hobler, Tadeusz. [Heat transfer and heat exchangers. Translated from the Polish] *Teploperedacha i teploobmenniki.* Pod red. P. G. Romankova. Leningrad, Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1961. 819 p.
- More about thermal characteristics of heat exchangers. E. P. Shubin. *Vod. i san. tekhn.* no. 1:25-29 Ja '63.
- Thermal characteristics of heat exchangers. E. I. Sokolov. *Vod. i san. tekhn.* no. 1:20-24 Ja '63.

HEAT EXCHANGERS—WELDING

- Argon-arc welding of vacuum-tight joints on heat exchangers. I. G. Kobytianskii, V. D. Peshokhonov. *Svar. prozv.* no. 1:40 Ja '63.

HEAT OF EXTRACTION

- Relation between the distribution coefficient and the heat of extraction. V. I. Ashkichev, E. E. Vinogradov. *Radiofizika* 6 no. 1:136-137 '63.

HEAT OF SOLUTION

- Thermal effect produced by the solution of polymers as dependent on the nature of the solvent. M. P. Zverev, S. P. Ruchinskii, P. I. Zubov. *Dokl. AN SSSR* 149 no. 1: 128-130 Mr '63.

HEAT-RESISTANT ALLOYS

- Bogatyrev, IU. M., and others. [Rapid induction heating of heat-resistant alloy ingots] *Skorostnoi induktsionnyi nagrev zagotovok iz zharoprochnykh splavov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-5B-330/17)
- Determination of cerium in heat resistant alloys and cast irons. T. N. Nazarchuk, V. P. Kopylova, N. K. Chugumala. *Zav. lab.* 20 no. 3:298 '63.
- Forming the properties thin-walled, heat-resistant alloy castings. M. T. Bogdanov. *Lit. proizv.* no. 7:29-33 Ji '62.

HEAT-RESISTANT ALLOYS—ELECTROMETALLURGY

- Effect of the rate of metal flow during vacuum arc refining on the properties of heat-resistant alloys. A. M. Irinin, V. P. Grechin, N. M. Tuckevich. *Stal'* 23 no. 2:133-135 F '63.

HEAT-RESISTANT ALLOYS—METALLOGRAPHY

- Gurelev, B. M. [High-temperature vacuum metallography for the investigation of heat-resistant materials] *Primenenie vysokotemperaturnoi vakuumnoi metallografi dlia issledovaniia zharoprochnykh materialov.* Pod red. E. E. Levina. Leningrad, 1962. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Metallovedenie i termicheskaya obrabotka, no. 7)

HEAT-RESISTANT ALLOYS—TESTING

- Effect of the dimensions of a sample and conditions of cutting on stress-rupture strength. M. P. Markovets, G. A. Stepanov. *Zav. lab.* 20 no. 3:356-357 '63.

HEAT TREATING FURNACES see Furnaces, Heat-treating

HEATING

- Akademiia budivnytstva i arkhitektury URSS. *Nauchno-issledovatel'skii institut sanitarnoi tekhniki i oborudovaniia zdaniil i sooruzhenii.* [Heating, ventilation, and air conditioning systems] *Sistemy otopleniia, ventilatsii i konditsionirovaniia.* Pod obshch. red. B. N. Lobova. Kiev, Gosstroizdat URSS, 1962. 86 p.
- The boiler operator. V. Raevskii. *Zhil. -kom. khoz.* 12 no. 8:16 Ag '62.
- [Handbook on heating and ventilation in residential and public buildings] *Spravochnik po teplosnabzheniiu i ventilatsii v grazhdanskom stroitel'stve.* [By] R. V. Shechekin i dr. 2, izd., perer. i dop. Kiev, Gos. izd-vo lit-ry po stroit. i arkhitt. URSS, 1962. 1019 p.

HEAVY ELECTRONS see Mesons

HEAVY WATER see Deuterium oxide

HEEL BONE—DISEASES

- X-ray therapy in calcaneal spurs. G. T. Grigorian. *Vop. rent. i onk.* 6:155-161 '61.

HEIDEGGER, MARTIN, 1889-

- M. Heidegger's "fundamental ontology" as a form of the propagation of philosophical irrationalism [with summary in English, p. 195]. P. P. Gaidenko. *Vop. filos.* 17 no. 2:93-104 '63.

HEIFERS

- Age and live weight of Simmenthal heifers at their first insemination and their consequent productivity. E. Tshipilov. *Sbor. stud. nauch. -issl. rab. VSKHI* 1 no. 1:261-263 '62.

HELICOPTERS

- The most powerful and most rapid. R. Kaprellon. *Kryl. rod.* 13 no. 12:15 D '62.
- New Soviet helicopters. V. Kuznetsov. *Kryl. rod.* 13 no. 12:16-17 D '62.
- Unfading light. M. Golovenkov. *Grazhd. av.* 19 no. 10: 7 O '62.

HELICOPTERS—PILOTING

- Kondrat'ev, P. V. [Manual for training helicopter pilots (sport aviation)] *Posobie po podgotovke letchika vertoletov (sportivnoi aviatsii).* Moskva, Izd-vo DOSAAF, 1962. 374 p.

HEMATITE—MAGNETIC PROPERTIES

- Self-reversal of magnetization in artificial ilmenite-hematite solid solutions. A. I. Vlasov, A. G. Zvegintsev, A. A. Bogdanov. *Izv. AN SSSR, Ser. geofiz.* no. 1:135-140 Ja '63.

HEMATOLOGY—ATLAS

- Gule, Vileni. [Hematological atlas] *Gematologicheskii atlas.* Bratislava, Izd-vo Slovenskoi Akad. nauk, 1961. 185 p.

(DNLMT)

HEMOPOLYMER SYSTEM

- Effect of galascorbin on hemopolesis in benzene poisoning [with summary in English]. A. E. Shampai. *Vrach. delo* no. 11:104-108 N '62.

HEMORRHAGE

- Bleeding during the operation and in the postoperative period when surgery is performed on the thyroid gland. G. M. Gurevich. *Trudy Inst. eksp. i klin. khir. i gematol. AN Gruz. SSR* 10:163-167 '62.
- Blood expectoration and hemorrhaging in the clinical aspects of lung tuberculosis. S. V. Berlin-Chertov. *Nauch. trudy Chetv. Mosk. gor. klin. bol.* no. 1:353-357 '61.
- Electrochemical investigation of blood characteristics in cats during the agonal process from acute blood loss and subsequent reanimation [with summary in English]. T. R. Kuz'mina. *Vest. LGU* 18 no. 3:100-114 '63.
- Hemorrhage from the north caused by a foreign body in the esophagus. E. M. Vovchenko, N. P. Kuz'minskii. *Klin. khir.* no. 11:72-74 N '62.
- Regeneration in hemorrhage in a partially injured nerve [with summary in English]. P. A. Perfilov. *Vrach. delo* no. 1:83-87 Ja '63.
- Spontaneous arrest of hemorrhage in avulsions of the extremities. A. I. Akovlev. *Klin. khir.* no. 12:66 D '62.

HEMORRHAGE, UTERINE

- Hemorrhages in the last months of pregnancy and labor. V. A. Pokrovskii. *Sov. med.* 26 no. 12:70-75 D '62.
- Regeneration of proteins and their fractions in the blood of a puerpera by treatment with royal jelly preparation following pathological hemorrhages. V. L. Tsveer. *Inform. biol. o mat. moloch.* no. 3:75-85 '62.
- Treatment of anemia with royal jelly preparation following pathological hemorrhages in labor. V. L. Tsveer. *Inform. biol. o mat. moloch.* no. 3:113-119 '62.

HEMORRHAGIC SEPTICEMIA

- Etiology of hemorrhagic septicemia in carp. L. Kh. Apazidi. *Veterinariia* 37 no. 7:40-41 Ji '60.
- Pasteurellosis in farm animals; based on materials received by the editors. N. M. Nikiforova. *Veterinariia* 37 no. 7:46-40 Ji '60.
- Relationship between the infecting dose of *Pasteurella* and their number in the tissues of dead animals. A. Shkatov, V. Lepekhin. *Sbor. stud. nauch. -issl. rab. VSKHI* 1 no. 1:215-216 '62.

HEMOSPORIDIA

- (see also subdivision under Uzbekistan)
- Comparative evaluation of the prophylactic characteristics of anticyclo, pyralidin, berenil and tryptafavine in *Francisella* infection of cattle. T. Kh. Khashimov. *Trudy Uz. nauch. -issl. inst. vet.* 14:143-146 '61.
- Immunization of cattle against piroparasitosis and *Francisella* infection. Report No. 1. P. N. Li. *Trudy Uz. nauch. -issl. inst. vet.* 14:101-112 '61.
- Results of the use of berenil in the Hemosporidia infection of cattle. P. N. Li. *Trudy Uz. nauch. -issl. inst. vet.* 14:113-123 '61.
- Testing the conjunctival method of hemosporidin injection in cattle piroparasitosis. A. V. Bogoroditskii, A. M. Netsetskii. *Trudy Uz. nauch. -issl. inst. vet.* 14:137-138 '61.
- Testing "thiargen" in piroparasitosis and Hemosporidia infection of cattle. A. M. Netsetskii, A. V. Bogoroditskii. *Trudy Uz. nauch. -issl. inst. vet.* 14:135-136 '61.

HEMP—FERTILIZERS AND MANURES see subdivision under Kabardino-Balkar A. S. S. R.

HEPATITIS, INFECTIOUS

- (see also subdivision under Moldavia)
- Activity of serum glutaminoxalanacetate transaminase and aldolase in acute epidemic hepatitis. O. A. Dunayevskii. *Vrach. delo* no. 1:88-89 Ja '63.
- Absorbed bilirubin fraction as a prognostic index in infectious hepatitis. I. K. Musabaev, M. I. Lerman, D. M. Guseva. *Nauch. trudy uch. i prak. vrach. Uzb.* no. 3:81-87 '62.
- Blood preparations in the treatment of epidemic hepatitis. O. G. Mikhailovskaya. *Nauch. trudy uch. i prak. vrach. Uzb.* no. 3:88-92 '62.
- Blood proteins in Botkin's disease. S. M. Berats. *Trudy Kish. gos. med. inst.* 11:117-124 '60.
- Botkin's disease in children during the first years of life. S. I. Fishman. *Trudy Kish. gos. med. inst.* 11: 21-26 '60.
- Change in the ballistocardiogram in Botkin's disease. V. I. Plotnikov. *Sbor. rab. Sverd. med. inst.* no. 32:91-94 '61.
- Change in the osmotic resistance and the diameter of erythrocytes in Botkin's disease. A. D. Krivchenko. *Trudy Kish. gos. med. inst.* 11:125-128 '60.
- Clinical and epidemiological characteristics of epidemic hepatitis [in Georgian with summary in Russian]. Sh. M. Bugianishvili, A. S. Machavariani. *Trudy Tbil. GIDUV* 6:313-318 '62.

- Clinical picture of atypical forms of Botkin's disease in children according to data of the hepatitis department of the Fourth Municipal Clinical Hospital and the department for infectious diseases at the Pediatrics Institute of the Ministry of Public Health, of the R. S. F. S. R. for 1950-1960. A. F. Tret'akov, N. S. Protoklitova. *Nauch. trudy Chetv. Mosk. gor. klin. bol.* no. 1:57-63 '61.

HEPATITIS, INFECTIOUS (Continued)

- Cold hemagglutination reaction in epidemic hepatitis. S. O. Avsarkislan. Trudy Len. inst. epid. i mikrobiol. 17:133-143 '58.
- Comparative clinical characteristics of A and B type infectious hepatitis (Botkin's disease). N. T. Starostenko and others. Trudy Kish. gos. med. inst. 11:9-20 '60.
- Comparative evaluation of some functional methods used in the diagnosis of infectious hepatitis; a preliminary report. M. I. A. Lerenman. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:73-80 '62.
- Complement fixation reaction using tissue (animal) antigens for the diagnosis of Botkin's disease. Trudy Kish. gos. med. inst. 11:65-70 '60.
- Copper metabolism in the organisms of children suffering from Botkin's disease. E. S. Burdhanov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:50-55 '62.
- Effect of some antibiotics on the liver in experimental toxic hepatitis. T. S. Uzaefovich. Trudy Kish. gos. med. inst. 11:137-140 '60.
- Fluctuation in the cobalt content in the blood serum of healthy pregnant women and in those suffering from infectious hepatitis. R. N. Nugmanova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:30-34 '62.
- Fluctuations in the cobalt level within the organism of patients with a medium acute form of infectious hepatitis. R. N. Nugmanova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:35-43 '62.
- Interrelation between cobalt and bilirubin fluctuations in the blood serum of infectious hepatitis patients. R. N. Nugmanova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:44-49 '62.
- Interrelation between the copper content and that of bilirubin in the blood serum of children suffering from Botkin's disease. E. S. Burdhanov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:59-61 '62.
- Interrelation between the copper fluctuation in the blood and the changes in the liver in cases of Botkin's disease in children. E. S. Burdhanov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:58-59 '62.
- Laboratory diagnosis of Botkin's disease. Trudy Kish. gos. med. inst. 11:43-50 '60.
- Libov, A. L.** [Endemic hepatitis; Botkin's disease] *Endemicheskiy gepatit; bolezn' Botkina*. Leningrad [Medgiz] 1962. 15 p. (Nauchno-populnarnaya meditsinskaya literatura) (ONLM)
- Manganese content in the blood serum of infectious hepatitis patients. I. K. Musabaev, R. N. Nugmanova. D. M. Guseva. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:62-65 '62.
- Motor function of the stomach in infectious hepatitis (Botkin's disease). E. I. A. Kurt-Iakovets. Trudy Kish. gos. med. inst. 11:129-135 '60.
- Over-all study of Botkin's disease and measures for its control. N. T. Starostenko. Trudy Kish. gos. med. inst. 11:3-8 '60.
- Oxygen therapy in Botkin's disease and the results of late observations. A. P. Liasheva. Shor. rab. Sverd. med. inst. no. 32:105-110 '61.
- Pathological anatomy and pathogenesis of cerebral circulation disorder in Botkin's disease. B. I. Sharapov. Trudy Kish. gos. med. inst. 11:27-32 '60.
- Permeability of blood capillaries in Botkin's disease. V. I. Plotnikov. Shor. rab. Sverd. med. inst. no. 32:94-97 '61.
- Premature births caused by Botkin's disease. E. Z. Zakirov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:26-29 '62.
- Riboflavin metabolism in infectious hepatitis. M. T. Turapov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:66-69 '62.
- Significance of cytologic study of liver punctates in the differential diagnosis of Botkin's disease. R. P. Naumova. Vrach. delo no. 1:133-135 Ja '63.
- Some new data in the study of infectious hepatitis. I. K. Musabaev. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:12-24 '62.
- State of the cardiovascular system in epidemic hepatitis following treatment with cortisone. I. S. Suk. Vrach. delo no. 1:90-94 Ja '63.
- Symptomatology and pathological anatomy of subcortical ganglia affections in a chronic course of Botkin's disease. G. P. Lekar'. Trudy Kish. gos. med. inst. 11:33-42 '60.
- Therapeutic effectiveness of atafos in infectious hepatitis. I. K. Musabaev, Sh. M. Abdunabieva. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:93-100 '62.
- Treatment of Botkin's disease with prednisone and deoxycorticosterone. A. P. Liasheva. Shor. rab. Sverd. med. inst. no. 32:102-105 '61.
- Treatment of infectious hepatitis with ACTH and cortisone. I. K. Musabaev, G. K. Khamidov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:101-107 '62.
- Use of the adrenocorticotrophic hormone and cortisone in epidemic hepatitis. L. D. Levina. Shor. rab. Sverd. med. inst. no. 32:97-102 '61.
- Viral hepatitis in arctic foxes. R. I. Meteleva, and others. Veterinaria 38 no. 10:61-65 O '61.
- Vitamin B₂ (riboflavin) content in the blood, urine and organs in cases of infectious hepatitis. M. T. Turapov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:70-72 '62.

HEPATITIS, INFECTIOUS—MICROBIOLOGY

- Attempts at cultivating the epidemic hepatitis virus on new experimental models. N. S. Kilachko. Trudy Len. inst. epid. i mikrobiol. 17:127-132 '58.
- Cultivation of infectious hepatitis virus in chicken embryos. I. A. A. Krivala-Usherenko. Trudy Kish. gos. med. inst. 11:57-64 '60.
- Use of nonmicrobial adsorbents for the concentration and prolonged storage of infectious hepatitis virus outside of a living organism. I. A. K. Gimmel'farb, A. A. Rukhel'man. Trudy Kish. gos. med. inst. 11:51-56 '60.

HEPATITIS, INFECTIOUS—PREVENTION see subdivision under Moldavia

HEPATITIS, INFECTIOUS—PREVENTIVE INOCULATION

- Use of gamma globulin for the prevention of infectious hepatitis in pediatric institutions. E. N. Shliakhov and others. Trudy Kish. gos. med. inst. 11:101-104 '60.

HEPATOLENTICULAR DEGENERATION

- Symptomatology and pathological anatomy of subcortical ganglia affections in a chronic course of Botkin's disease. G. P. Lekar'. Trudy Kish. gos. med. inst. 11:33-42 '60.

HEPTADIENE

- Cyclic polymerization and copolymerization. Part 11: Polymerization of some substituted 1,6-heptadienes in the presence of radical initiators [with summary in English]. S. G. Matsolan and others. Vysokom. soed. 5 no. 2:183-187 F '63.

- Cyclic polymerization and copolymerization. Report No. 19: Radical polymerization of some substituted 1,6-heptadienes. S. G. Matsolan and others. Izv. AN Arm. SSR. Khim. nauki 15 no. 6:541-551 '62.

HEPTANE

- Effect of temperature on the radiolysis of heptane adsorbed on Al₂O₃. I. U. A. Kolbanovskii, I. U. V. Pepel'ev, L. S. Polak. Neftekhimiya 3 no. 1:124-127 Ja-F '63.

HEPTYNOL

- Synthesis and catalytic hydrogenation of 5-(1-hydroxycyclohexyl)-4,3-dimethyl-4-heptyn-3-ol and its acetates. A. I. Nogaideli, T. N. Vardasandze, Zhur. ob. khim. 33 no. 2:379-381 F '63.

HERBICIDES

- Physiological principles of the application of herbicides together with fertilizers. A. G. Semenov. Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast. no. 23:184-189 '62.
- Studying the effect of 77 different substances on Acroptilon pteris. V. P. Lobov, F. L. Kalinin, L. A. Lepik. Nauch. trudy Ukr. nauch. -issl. fiziol. rast. no. 23:173-183 '62.

HEREDITY

- Using the method of tagged atoms for detecting the heredity in three-year-old spruce seedlings. P. V. Voropanov, A. I. Akhromenko. Trudy Brien. tekhn. inst. 9:253-264 '60.

HEREDITY OF DISEASE

- Instances of congenital heart defects among members of one family. K. A. Khandarian. Vop. rent. i onk. 6:17-27 '61.

HERNIA

- Torsional cyst of the omentum simulating strangulated hernia. G. S. Shklovskii. Vest. khir. 89 no. 11:143 N '62.

HERPES ZOSTER

- Problems in the clinical aspects and treatment of herpes zoster. A. A. Kalamkarian. Vrach. delo no. 1:125-126 N '62.

HERRING see subdivision under Aral Sea; Riga; Gulf of

HERSTAL, BELGIUM—MUNITIONS

- Communists in an industrial plant; a letter from Belgium. Part. zhizn' no. 5:67-70 Mr '63.

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

- Great accuser. III. Melent'ev. Mol. komm. no. 5:97-103 My '62.
- History of A. I. Herten's correspondence, 1850 to 1861. N. S. Rogova. Trudy MGAI 16:317-331 '61.

HEXADECANOL

- Two-dimensional pressure and the capacity of reducing water evaporation from monolayers in normal and secondary hexadecanol mixtures. A. A. Trapeznikov, V. A. Ogarev. Dokl. AN SSSR 148 no. 1:162-165 Ja '63.

HEXAMETHYLENETETRAMINE—PHYSIOLOGICAL EFFECT

- Pharmacology of urotropine. O. Trusova, L. Sushkova. Shor. stud. nauch. -issl. rab. VSKH 1 no. 1:221-222 '62.

HEXANE

- Problem of the condensation of 2,5-dimethyl-2,5-dichlorohexane with benzene. K. M. Shadmanov. Uzb. khim. zhur. 6 no. 6:49-51 '62.

HEXANOIC ACID

- Rapid refractometric method of determining the high-boiling fraction content of nitromastic. E. S. Khoro-shala and others. Nauch. -issl. trudy VNIIPK no. 12:112-114 '60.

HEXANOL

- Alkylation of aromatic compounds with alcohols. Part 18: Reactions of 1-pentanol and 1-hexanol with benzene. G. Kh. Khakimov, I. P. Tsakervanik. Zhur. ob. khim. 33 no. 2:493-499 F '63.

HEXATRENE

- Chemistry of divinylacetylene and its halo derivatives. Part 8: Copolymerization of trans-2,3,4,5-tetrachloro-2,3,5-hexatriene with styrene, acrylonitrile, and vinyl acetate [with summary in English]. A. N. Akopian, G. E. Krbekian. Vysokom. soed. 5 no. 2:201-205 F '63.
- Divinylacetylene and its halo derivatives. Report No. 12: Copolymerization of trans-2,3,4,5-tetrachloro-1,3,5-hexatriene with isoprene, chloroprene, and methyl vinyl ketone. G. E. Krbekian, E. G. Singanien, A. N. Akopian. Izv. AN Arm. SSR. Khim. nauki 15 no. 6:527-533 '62.

HEXITOLS

- Hexitol anhydride with a β -ring-1,3-anhydro-2,4-methylene-5,6-dimethyl-D-sorbitol. G. E. Ustuzhanin, N. S. Tikhomirova-Sidorova, S. N. Danilov. Zhur. ob. khim. 33 no. 2:453-457 F '63.

HIBERNATION

- Exocrine functional changes in the pancreatic gland during hibernation in an experiment [in Georgian with summary in Russian]. D. N. Buachidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:189-205 '62.

HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

HIGH TEMPERATURE METALLURGY see Metals at high temperatures

HIGH TEMPERATURES

- Problems of high-temperature physics. V. A. Kirtilin. Vest. AN SSSR 33 no. 2:38-43 F '63.

HIGHER EDUCATION see Education, Higher

HIGHWAY TRANSPORT WORKERS

- Faithful son of the Soviet people. Avt. transp. 41 no. 2:58-59 F '63.
- Work duty of drivers. I. Ivanov. Avt. transp. 41 no. 2:9 F '63.

HILBERT SPACE

- Characterization of the quasi-invariance of measures in Hilbert space. V. N. Sudakov. Usp. mat. nauk 18 no. 1:188-190 Ja-F '63.
- Glass of compacts in Hilbert space. V. N. Sudakov. Usp. mat. nauk 18 no. 1:181-187 Ja-F '63.
- Spaces with a negative norm. I. D. Berezanskii. Usp. mat. nauk 18 no. 1:63-68 Ja-F '63.

HINDI LANGUAGE—SYNONYMS

- Stylistic synonyms in the modern Hindi language. P. A. Barannikov. Uch. zap. LGU no. 305:109-125 '61.

HISTOLOGY—LABORATORY MANUALS

- Kirpichnikova, E. S., and L. B. Levinson. [Laboratory manual of general histology] *Praktikum po obshchei gistologii*. Pod obshch. red. L. B. Levinsona. Izd. 2. Moskva, Vysshaya shkola, 1962. 235 p.

HISTOLOGY, PATHOLOGICAL

- "Pathological histology" [in German] by Georg Pallasse, Reviewed by M. S. Brumshstein. Veterinaria 37 no. 11:93 N '63.

HISTORICAL MUSEUMS see subdivision under Azerbaijan; Baku; Leningrad; Pavlograd; Uzbekistan

HISTORICAL RESEARCH

- (see also subdivision under Moscow; Saratov)

- All-Union Conference of Soviet Historians. [with summary in English, p. 220]. Vop. ist. 38 no. 2:3-75 F '63.
- Brief news. Vop. ist. KPSS 7 no. 2:156-158 F '63.
- Historical research and the study of history should contribute to the building of communism. B. N. Ponomarev. Vop. ist. KPSS 7 no. 1:16-41 Ja '63.
- Historical studies of the personnel of local party archives in the light of the decisions of the 22d Congress of the CPSU. V. V. Anikeev. Vop. arkh. 7 no. 3:14-24 Ji-S '62.
- Work of a group for studying the Russian social movement after the Reform of 1861. V. A. Tvardovskii. Vop. ist. 38 no. 2:170-172 F '63.

HISTORY

- Brief notes. Vop. ist. 38 no. 2:205 F '63.

HISTORY—AUDIO-VISUAL AIDS

- Teacher's card file. B. I. Rabiner. Prop. ist. v shkole 17 no. 6:70-71 N-D '62.

- HISTORY—BIBLIOGRAPHY** see Bibliography—History
- HISTORY—CURIOUS AND MISCELLANY**
 Historical news. Prep. ist. v shkole 17 no. 6:120-124 N-D '62.
 Historical news. Prep. ist. v shkole 18 no. 1:123-126 Ja-F '63.
- HISTORY—PERIODICALS**
 Modern and current history in the periodicals of 1962. Prep. ist. v shkole 18 no. 1:117-121 Ja-F '63.
- HISTORY—PHILOSOPHY**
 Problem of the objectivity of historical knowledge. E. E. Pechuro. Vop. ist. 38 no. 2:190-191 F '63.
- HISTORY—SOURCES**
 Classification principles for written sources. M. K. Makarov. Trudy MGIAI 16:15-28 '61.
- HISTORY—STUDY AND TEACHING**
 Brief news. Prep. ist. v shkole 18 no. 1:121-122 Ja-F '63.
 Conference of history teachers of the Kirovskiy District of Moscow. Prep. ist. v shkole 17 no. 6:115-116 N-D '62.
 Creative compositions on history in grades five and six. I. P. Shepetovskaya. Prep. ist. v shkole 18 no. 1:83-87 Ja-F '63.
 Historical research and the study of history should contribute to the building of communism. B. N. Ponomarev. Vop. ist. KPSS 7 no. 1:16-41 Ja '63.
 Historical science should have well-trained personnel. Vest. vys. shkoly 21 no. 1:8-11 Ja '63.
 In the Ministry of Education of the R. S. F. S. R. Prep. ist. v shkole 17 no. 6:29-30 N-D '62.
 Local materials in history lessons. A. N. Nikiforov. Nach. shkola 31 no. 1:38-43 Ja '63.
 Methodological principles of a history textbook for grades five and six. E. I. Nikanorova. Vech. sred. shkola 5 no. 6:80-84 N-D '62.
 Problem solving and instructive assignments as means of arousing the cognitive activity of students. A. I. Nazarets. Prep. ist. v shkole 18 no. 1:73-79 Ja-F '63.
 Resolution of the party and the government in action. Prep. ist. v shkole 17 no. 6:3-9 N-D '62.
Russia (1923- U. S. S. R.) Ministerstvo vysshego obrazovaniya. [Program for the history of the U. S. S. R. for history faculties in State universities] Programma po istorii SSSR dlia istoricheskikh fakul'tetov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1959, 66 p.
 (ICU)
 School of two heroes. A. V. Stanulonis. Prep. ist. v shkole 18 no. 1:90-91 Ja-F '63.
 Seminar of history teachers. G. N. Potapova. Prep. ist. v shkole 17 no. 6:115 N-D '62.
 Some lessons of entrance examinations in institutions of higher learning. Prep. ist. v shkole 17 no. 6:62-67 N-D '62.
 "Some methods of stimulating students in tenth-grade history lessons in evening (staggered) schools" by L. P. Labunskii. Reviewed by E. M. Plungian. Prep. ist. v shkole 18 no. 1:105-106 Ja-F '63.
 Tasks of historical science and the training of scientific and teaching personnel in the field of history. B. N. Ponomarev. Vest. AN SSSR 33 no. 2:3-37 F '63.
 Work of club members among the population. A. I. Aleksandrov. Prep. ist. v shkole 18 no. 1:89-90 Ja-F '63.
- HISTORY—TEXTBOOKS**
 Results of a contest for the best history textbooks. A. N. Nov. i noveish. ist. no. 6:183 '62.
- HISTORY, MODERN**
 [Recent history, 1930-1962] Novitna istoria, 1930-1962. [By] O. S. Beilis ta inshl. [L'viv] Vyd-vo L'vivskoho univ. Pl. 2, 1962, 478 p.
- HISTORY, MODERN—BIBLIOGRAPHY** see Bibliography—History, Modern
- HISTORY, MODERN—TEXTBOOKS**
 Textbook on modern history. I. M. Krivoguz, D. P. Pritsker, S. M. Statskevich. Prep. ist. v shkole 17 no. 6:87-94 N-D '62.
- HODGKIN'S DISEASE**
 Lymphogranuloma with affection of the urinary bladder. M. N. Malova, M. A. Shalevich. Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:335-340 '61.
 Results of the treatment of lymphogranulomatosis only with di-trimittan in conjunction with X-ray therapy. E. S. Gazarian, S. A. Mazmanian, L. A. Solokhova. Vop. rent. ionk. 6:265-271 '61.
- HOISTING MACHINERY**
 (see also subdivision under Great Britain)
 The dump bucket on the T-37 hoist. V. Goretskii. Stroitel' 8 no. 1:10 Ja '62.
- [Operation of steam boilers, pressure vessels and hoisting machinery; regulations, instructions, norms] Eksploataatsiia parovykh kotlov, sosudov i gruzopod'nykh mashin; pravila, instruktsii, normy. Izd. ofitsial'noe. Kiev, Gostekhlzdat USSR, 1962, 643 p.
 Universal hand operated hoists. Tekh. v sel'khoz. 22 no. 12:82-83 D '62.
- HOISTING MACHINERY—SAFETY APPLIANCES**
 Limiting the speed of hoisting machinery. A. I. Gavrilov. Bezop. truda v prom. 7 no. 2:30 F '63.
- HÖJER, TORVALD TORVALDSON, 1906-1962**
 Torvald Höjer and the problem of Swedish neutrality. A. S. Kan. Nov. i noveish. ist. no. 6:172 '62.
- HOLLAND** see subdivision under Ukraine
- HOLLAND** see Netherlands
- HOLY WELLS** see subdivision under Baranchik
- HOME ACCIDENTS**
 Epidemic of traumatism abroad and its causes. I. I. Sluchevskii. Sov. zdraz. 22 no. 2:69-74 '63.
- HOME ECONOMICS**
 Useful advice. Koop. Kazakh. 5 no. 4:62-64 Ap '62.
 Useful advice. Rab. i sial. 39 no. 1:23 Ja '63.
- HOME ECONOMICS—ACCOUNTING** see subdivision under Moscow
- HOME EDUCATION** see Domestic education
- HOMERUS**
 Markish, S. P. [Homer and his poems] Gomer i ego poemy. Moskva, Goslitizdat, 1962, 125 p. (Massovaya istoriko-literaturnaya biblioteka)
 (MH)
- HOMOGRAFTS**
 Structural and histochemical study of cutaneous homotransplants [in Georgian with summary in Russian]. S. Sh. Khundadze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:347-352 '62.
 Study of the functions of renal homografts that have survived in dogs. V. Tishler and others. Fiziol. zhur. 48 no. 12:1488-1493 D '62.
- HONCHAR, OLEKSANDR TERENTIOVYCH, 1918-**
 For the sake of happiness on earth. E. Aleksandrova. V mire knig 2 no. 10:23 O '62.
- HONDURAS—COMMUNIST PARTY**
 The national interests of Honduras. Alonso Munos. Part. zhizn' no. 5:63-66 Mr '63.
- HONDURAS—POLITICS AND GOVERNMENT**
 The national interests of Honduras. Alonso Munos. Part. zhizn' no. 5:63-66 Mr '63.
- HONEY PLANTS** see subdivision under Siberia
- HONEY SUCKLE** see subdivision under Frunze
- HOOKWORMS** see subdivision under Uzbekistan
- HORMONES (PLANTS)**
 Action of 2, 3, 5-trihydrobenzoic acid on the content of free auxins in beans. N. A. Rodionova. Biol. Glav. bot. sada no. 45:81-84 '62.
 Auxin content of cuttings rooted under different light conditions. L. V. Runkova. Biol. Glav. bot. sada no. 45:74-80 '62.
- HORMONES, SEX**
 Increasing multiparity in sheep by treating them with pregnant mare's serum in combination with prolactin. A. L. Paducheva, V. A. Petrov. Zhivoinovodstvo 23 no. 5:40-41 My '61.
- HORSE BREEDS** see subdivision under Kazakhstan
- HORSEFLIES** see subdivision under Kirghizistan
- HORSES** see subdivision under Kazakhstan
- HORSES—BIBLIOGRAPHY** see Bibliography—Horses
- HORSES—DISEASES AND PESTS** see subdivision under Uzbekistan
- HORSES—PHYSIOLOGY**
 New books on the physiology of horses. Zhivoinovodstvo 23 no. 6:98 Je '61.
- HOSIERY**
 Causes of the formation of lengthwise streaks in stockings made on automatic circular knitting machines and ways for their elimination. V. M. Volodina. Nauch. issl. trudy VNITP no. 2:33-61 '60.
- HOSIERY—TESTING**
 Characteristics of the mechanical properties of hosiery goods in tension. O. S. Syritskina. Nauch. issl. trudy VNITP no. 2:3-33 '60.
- HOSIERY INDUSTRY** see subdivision under Kharkov
- HOSPITAL CARE** see subdivision under Ukraine
- HOSPITALS** see subdivision under Moscow
- HOT-WATER HEATING**
 Coefficients of flow and local resistance of welded joints of vertical one-pipe hot-water heating systems with closing sections. L. P. Rokhiletsov. Vod. i san. tekhn. no. 2:13-16 F '63.
 Drawbacks of the consecutive layout of a distributing lead-in. B. M. Khlybov. Vod. i san. tekhn. no. 2:6-10 F '63.
 Hot-water heating system of poultry houses. M. I. Husarov. Mekh. sil. i hosp. 13 no. 12:24 D '62.
- HOT-WATER HEATING—STANDARDS**
 Instructions for the design of vertical one-pipe hot-water heating systems with upfeed of the supply and return pipes. Biol. stroit. tekhn. 20 no. 2:16-18 F '63.
- HOT-WATER SUPPLY**
 Drawbacks of the consecutive layout of a distributing lead-in. B. M. Khlybov. Vod. i san. tekhn. no. 2:6-10 F '63.
- HOTELS, TAVERNS, ETC.**
 Design of a room in a modern vacation hotel [with summary in English, p. 70]. L. I. A. Zhohol'. Visnyk ABIA URSR no. 3:7-11 '62.
- HOTHOUSES** see Greenhouses
- HOUSES**
 Pupyshchev, P. F. [Hunting with hounds] Sportivnaya okhota s sobakoi. Izd. 3., perer. i dop. Moskva, Voen. izd-vo M-va oborony SSSR, 1959, 245 p.
- HOURS OF LABOR**
 Legal problems in the regulation of working time. L. Mukhinova. Sots. trud 7 no. 12:124-131 D '62.
- HOUSE PLANTS**
 Factory - garden. B. A. Bykov. Priroda 52 no. 2:81-85 '63.
 TSvetaeva, Z. N. [House plants] Kommalye rastenlia. [Moskva] Mosk. rabochii, 1962, 271 p.
 (DNAL)
- HOUSEHOLD APPLIANCES**
 A machine has been developed, what is to happen next? B. Grachev. Mest. prom. i khud. promys. 3 no. 12:8-9 D '62.
- HOUSING**
 (see also subdivision under Zhilovo)
 Let's discuss it together. Agitator no. 5:59 Mr '63.
 Ten million new homes per year! Agitator no. 3:41 F '63.
 We answer readers' questions. A. Parimov and others. Zhil. -kom. khoz. 12 no. 8:27-28 Ag '62.
- HOUSING—CONGRESSES**
 In the Housing Committee of the United Nations Economic Commission for Europe. Visnyk ABIA URSR no. 3:57 '62.
- HOUSING—LAW AND LEGISLATION**
 Our practice. IU, Korneeva. Sov. iust. no. 2:12-13 Ja '63.
- HOUSING MANAGEMENT**
 (see also subdivision under Karelia; Odessa)
 Tel'nov, V. N. [Tenants' house committee] Obshchestvennyi domovyi komitet. [Moskva] Profizdat, 1962, 98 p.
 We discuss O. Gabarov's letter entitled "We must not work this way any longer." A. El'man and others. Zhil. -kom. khoz. 12 no. 8:10-11 Ag '62.
- HRABOVSKYI, PAVLO ARSENOVYCH, 1864-1902**
 Povazhna, V. M. [Pavlo Hrabovskiy; a literary portrait] Pavlo Hrabovskiy literaturnyi portret. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962, 104 p.
 (CIX) (MH)
- HREBINKA, IEVHEN PAVLOVYCH, 1812-1848**
 Zubkov, S. D. [Ievhen Pavlovych Hrebinka; his life and works] Ievhen Pavlovych Hrebinka; zhyttilia i tvorchist'. Kyiv, Derzhlitvydav Ukrainy, 1962, 209 p.
- HUMAN EMBRYOLOGY** see Embryology, Human
- HUMAN ENGINEERING**
 Models of objects under control and some problems of labor psychology [with summary in English]. V. N. Pushkin. Vop. psikh. no. 6:55-62 N-D '62.
 Pushkin, V. N., and V. S. Zgurakii. [Man and automatic machine; psychology and technology] Chelovek i avtomat; psikhologiya i tekhnika. Moskva, Izd-vo "Znanie", 1963, 31 p. (Novoe v zhizni, nauke, tekhnike, TV Seriya: Tekhnika, no. 6)
- HUMAN ENGINEERING—BIBLIOGRAPHY** see Bibliography—Human engineering
- HUMAN RELATIONS** see Interpersonal relations
- HUMIDITY** see subdivision under Antarctic regions

HUMUS

(see also subdivision under Carpathian Mountains; Transbaikalia)

Academician I. V. Tiurpin's research in the studies on soil organic matter. M. M. Kononova. Pochvovedenie no. 12:1-7 D '62.

Decomposition of organic-mineral compounds in Podzolic soils [with summary in English]. T. V. Aristovskaya. Pochvovedenie no. 1:30-43 Ja '63.

Decomposition of some organic substances in turf-podzolic soils [with summary in English]. B. N. Makarov, V. P. Ignatova, R. N. Khodakova. Pochvovedenie no. 12: 68-73 D '62.

Effect of mineral fertilizers on the humification of alfalfa roots and manure in Sierozema; based on pot experiments [with summary in English]. F. A. Scriabin. Pochvovedenie no. 12:91-95 D '62.

Effect of organic fertilizers on the formation of humus and nitrogen balance in loamy turf-podzolic soils [with summary in English]. V. K. Mikhnovskii, P. N. Vyso-tskaia, L. V. Kotova. Pochvovedenie no. 12:61-67 D '62.

Electrophoresis of humus substances and their complexes with copper [with summary in English]. F. Pospishil. Pochvovedenie no. 12:44-52 D '62.

Iron-humus complexes of some soils [with summary in English]. N. A. Titova. Pochvovedenie no. 12:38-43 D '62.

Role of humus substances in the formation of brown forest soils [with summary in English]. V. V. Ponomareva. Pochvovedenie no. 12:15-30 D '62.

Role of the metabolism products of actinomycetes in the formation of humus substances [with summary in English]. I. V. Aleksandrova. Pochvovedenie no. 12:8-14 D '62.

HUNGARY—ARCHIVES—LAW AND LEGISLATION

Legislative enactments which regulate the work of archival agencies in the Hungarian People's Republic. Zsuzsa B. Lőrinc. Vop. arkh. 7 no. 3:102-105 Ji-S '62.

HUNGARY—CARTOGRAPHY

On the publication of the "Political and economic atlas of the world" in Hungary. L. S. Buschgens, N. I. Irov. Izv. AN SSSR. Ser. geog. no. 1:124-129 Ja-F '63.

HUNGARY—DAIRY CATTLE BREEDING

Results of crossbreeding Hungarian cattle with Jersey cattle. Artur Horn. Zhivotnovodstvo 23 no. 6:89-94 Je '61.

HUNGARY—ECONOMIC CONDITIONS

Fruits of liberation. Miklos Ovari. Agitator no. 7: 35-37 Ap '62.

HUNGARY—ECONOMIC ZONING

Problems of the economic zoning and distribution of production at the Hungarian geographical conference. P. M. Alampiev. Izv. AN SSSR. Ser. geog. no. 1:110-124 Ja-F '63.

HUNGARY—EDUCATION, HIGHER

"Felsőoktatási Szemle" on the life of the institutions of higher learning in Hungary. Arpad Bercik. Vest. vya. shkoly 21 no. 2:89-90 F '63.

HUNGARY—FOOD INDUSTRY

Mechanization of food-product processing in Hungary. G. A. Kaliazin, I. M. Tsylin. Mekh. i avtom. proizv. 17 no. 1:54-57 Ja '63.

HUNGARY—HISTORY

"History of the Hungarian Jacobin movement." Article from the periodical "Acta historica," nos. 3-4, 1958, nos. 1-2, 1959. E. M. Kasachevskaya. Vest. LGU 18 no. 2:158-157 '63.

HUNGARY—INDUSTRIES, LOCATION OF

Problems of the economic zoning and distribution of production at the Hungarian geographical conference. P. M. Alampiev. Izv. AN SSSR. Ser. geog. no. 1:110-124 Ja-F '63.

HUNGARY—POLITICS AND GOVERNMENT

Fruits of liberation. Miklos Ovari. Agitator no. 7: 35-37 Ap '62.

HUNGARY—RAILROADS

More efficient organization of transportation on small capacity railroad lines in Hungary. C. Bein. Zhel. dor. transp. 45 no. 2:90-92 F '63.

HUNGARY—REVOLUTION, 1956

Narodno-Trudovoi Sojuz. [Truth about Hungary] Pravda o Vengrii [Frankfurt am Main, Possev-Verlag, 1956?] 160 p. (NN)

HUNGARY—STATISTICS

Hungary. Központi Statisztikai Hivatal. [Hungarian statistical manual for 1959] Vengerskii statisticheski spravochnik, 1959. Budapest, Izd-vo ekon. i lurid. lit-ry, 1960. 327 p. [MICROFILM]

HUNGARY—STRIKES AND LOCKOUTS

"The 50th anniversary of 'Red Thursday'" [in Hungarian] by T. Erenyi. Reviewed by T. M. Islamov. Vop. ist. 38 no. 2:186 F '63.

HUNGARIAN LITERATURE—HISTORY AND CRITICISM

On the state of criticism in Hungary. Miklos Szabolcsi. Vop. lit. 6 no. 12:134-137 D '62.

HUNTING

(see also subdivision under Mongolia; Transcarpathia)

Pupyshev, P. F. [Hunting with hounds] Sportivnaya okhota s sobakoi. Izd. 3., perer. i dop. Moskva, Voen. izd-vo M-va oborony SSSR, 1959. 245 p.

Vasarmetaskoe Voenno-okhotnich'e obshchestvo. Tsentralnyi Sovet. [Hunting in the Soviet Army] Okhotnichii sport v Sovetskoi Armii; sbornik statei. Pod obshchiel red. F. K. Prudnikova. Moskva, Voen. izd-vo M-va obor. SSSR, 1960. 282 p.

HUNTING, PRIMITIVE see subdivision under Congo

HUNTING STORIES

Sokolov-Mikitov, L. S. [Voices of spring; stories of a hunter] Zvuki vesny; rasskazy okhotnika. [Leningrad] Lenizdat, 1962. 209 p.

HUSBAND AND WIFE

Our neighbor. IA. Zasepskaya. Rab. i sel. 39 no. 1:5 Ja '63.

HYALURONIC ACID

Permeability factor and hyaluronic acid in the phenomena of infection and immunity. Report no. 1; The permeability factor and hyaluronic acid in experimental infection [with summary in English]. M. I. Alaverdian. Trudy TomNIIVS 11:186-197 '60.

Permeability factor and hyaluronic acid in the phenomena of infection and immunity. Report no. 2; The permeability factor and hyaluronic acid in an experimental immunology model [with summary in English]. M. I. Alaverdian. Trudy TomNIIVS 11:198-208 '60.

Permeability factor and hyaluronic acid in the phenomena of infection and immunity. Report no. 3; The permeability factor and hyaluronic acid in an experimental immunology model using cold-blooded animals [with summary in English]. M. I. Alaverdian. Trudy TomNIIVS 11: 207-212 '60.

HYALURONIDASE

Presence of hyaluronidase in the cancerous tumors of the cervix uteri and methods for its determination. N. M. Allahmazan. Vop. rent. i onk. 6:303-312 '61.

HYBRID CORN

(see also subdivision under Kabardino-Balkar A. S. S. R.; Kamo District; Stepanavan District; Turkmenistan)

Kalishin, M. S., and M. I. Il'in. [Corn varieties and hybrids] Sorta i gibridy kukuryazy. 3. izd., ispr. i dop. [Leningrad] Sel'khozizdat, 1962. 156 p. (DNAL)

HYBRIDIZATION, VEGETABLE

One site of the development of new forms of plants in Central Asia. S. E. Korovin. Biol. Glav. bot. sada no. 45:47-53 '62.

HYDATIDS

Diagnostic difficulties in rare localization of Echinococcus [with summary in English]. N. V. Kalgerodova. Sov. med. 26 no. 12:22-25 D '62.

HYDRATES

Distance between metal atoms and water molecules in crystal hydrates. G. G. Malenkov. Zhur. strukt. khim. 4 no. 1:102-105 Ja-F '63.

HYDRATION

Hydration kinetics of Portland cement clinker minerals in hydrothermal treatment. P. P. Budnikov and others. Dokl. AN SSSR 148 no. 1:91-94 Ja '63.

Study of chemical constituents of essential oils. Part 6: Hydration of sabinene. G. A. Tolstikov, L. N. Lishtva-nova, M. I. Gorlaev, Zhur. ob. khim. 33 no. 2:663-687 F '63.

HYDRAULIC CONTROL

Electromagnetic-type converter with a flat control valve for hydraulic power amplifiers. G. G. Molchanov. Priboirostroenie no. 1:13-15 Ja '63.

Lemberg, M. D. [Fundamentals of hydraulic control] Elementy gidroavtomatiki. Moskva, Gosenergoizdat, 1962. 126 p. (Biblioteka po avtomatike, no. 70)

Russia (1923- U. S. S. R.) Glavnoe energeticheskoe upravlenie. [Methodology for adjusting hydromechanical control equipment of hydroelectric power stations] Metodika naladki gidromekhanicheskoi apparatury avtomatiki GES. Moskva, Pt. 1. [Rotation relays and jet relays] Rele oborotov i struinye rele. 1961. 36 p. [MICROFILM]

Stability of a hydraulic control system with two actuating elements. G. N. Kniazev. Izv. vya. ucheb. zav.; mashinostr. no. 8:110-114 '62.

HYDRAULIC CONVEYING

Using hydraulic coal conveying in mines under construction. A. G. Taran, D. A. Levitskii, N. S. Bolotskikh. Blul. tekh. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekh. inform. no. 2:11-14 '63.

HYDRAULIC ENGINEERING

Draw blasting in hydraulic construction. S. A. Davydov. Vzryv. rab. no. 3:79-90 '60.

Fleksor, IA. N. [Practical course on hydraulics, water supply and water power stations] Praktikum po gidravlike, vodosnabzheniti i gidrosilovym ustanovkam. Moskva, Sel'khozizdat, 1962. 278 p. (Uchebniki i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

From the pages of foreign magazines. Gidr. strof. 32 no. 9:50-58 S '62.

General instructions and recommendations on washing out alluvium at hydraulic developments. A. M. Mukhamedov. Vop. gidr. no. 10:77-99 '62.

M. M. Borekov, father of blasting for bottom-deepening purposes in Russia. V. M. Tavrizov. Vzryv. rab. no. 3:23-33 '60.

Twenty-fifth anniversary of the State All-Union Trust for the Design and Construction of Hydraulic Structures of the Ministry of Assembling and Specialized Construction Operations of the R. S. F. S. R. Mont. i spets. rab. v strof. 25 no. 3:24 Mr '63.

HYDRAULIC JACKS

Hydraulic jack for repairing. A. Zharkov, K. Nikul'shin. Zhil. -kom. khoz. 12 no. 9:18 S '62.

HYDRAULIC MINING

Determination of the distance between cutout stopes in hydromechanical mining. O. F. Shchukin, P. F. Chubenko. Trudy inst. gor. delu AN URSR no. 11:17-21 '62.

Develop the extraction of rock, gravel and sand using hydraulic engineering machinery. N. Kholin. Na strof. Ros. 3 no. 3:5-7 Mr '62.

Forecasting of thermal conditions in hydraulic mine workings with a blind stopes [with summary in English]. E. M. Malashenko. Dop. AN URSR no. 12:1613-1616 '62.

HYDRAULIC MINING—MODELS

Model of a coal mine cross section. G. Loskutov. Prof. -tekh. obr. 20 no. 2:23 F '63.

HYDRAULIC MINING—SAFETY MEASURES

Safety measures during hydraulic coal mining. D. D. Klimov. Bezop. truda v prom. 7 no. 1:6-8 Ja '63.

HYDRAULIC PRESSES

Horizontal hydraulic press for the press fitting and pressing off of large parts. L. M. Koval', N. A. Suslov. Kuz. -stam. proizv. 6 no. 1:41-42 Ja '63.

Hydraulic, metal-stretching, 1,500-ton press. N. I. Naiguz, G. M. Berul'. Kuz. -stam. proizv. 6 no. 2: 28-30 F '63.

Ivanchenko, A. I. [Design of single-worm presses] Raschet odnochervyachnykh pressov. Kiev, Goskizhizdat USSR, 1962. 94 p.

The P857 and P8030 hydraulic straightening 800-ton-capacity presses. N. I. Naiguz. Blul. tekh. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekh. inform. no. 1:28-31 '63.

HYDRAULIC STRUCTURES

Kul'mach, P. P. [Hydrodynamics of hydraulic structures] Gidrodinamika gidrotakhnicheskikh sooruzhenii; osnovnye ploshkie zadachi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 190 p.

Start and operation of the water supply structures of a state regional electric power plant during low temperatures. E. I. Orlov. Elek. sta. 34 no. 1:79-80 Ja '63.

Use of air-entraining admixtures in the concrete of hydraulic structures. S. M. Pevzner. Transp. strof. 12 no. 9:31-32 S '62.

HYDRAULIC TRANSMISSION see Oil hydraulic machinery

HYDRAULIC TURBINES

Analysis of some results of tests conducted on models of Francis-type hydraulic turbines. N. T. Klutikov. Izv. vya. ucheb. zav.; energ. 6 no. 1:88-94 Ja '63.

Bernshtein, L. D. [Uniflow and submersible hydraulic turbines] Priamolochnye i pogruzhennye gidroagregaty. Moskva, Tsent. in-t nauchno-tekhn. informatsii mashinostroenia, 1962. 209 p.

Calculation of the rotor rims of large hydrogenerators. S. I. Gol'denberg. Vest. elektroprom. 34 no. 2:88-73 F '63.

HYDRAULICS

(see also subdivision under Nursk Hydroelectric Power Station)

Calculated bottom velocities on a downstream apron behind spillway dams with block dampers on the apron [with summary in English]. I. I. Kalant'yrenko. Dop. AN URSR no. 12:1633-1636 '62.

- HYDRAULICS (Continued)**
- Capacity of a circular tubular water outlet [with summary in English]. N. H. Pozniata. *Dop. AN URSSR* no. 12: 1580-1583 '62.
- Chertousov, M. D. [Hydraulics] *Gidravlika; spetsial'nyi kurs. Izd. 4., ispr.* Moskva, Gosenergoizdat, 1962, 629 p.
- Rhombiform opening in the sluice gate and its effect on the way the stream joins the current in the tail race. N. V. Kokais. *Vop. gidr.* no. 10:70-76 '62.
- HYDRAULICS—PROBLEMS, EXERCISES, ETC.**
- Bogomolov, A. I., and N. M. Konstantinov. [Examples of hydraulic calculations] *Primery gidravlicheskih raschetov*, Moskva, Avtotransizdat, 1962, 574 p.
- HYDRAZIDES**
- Amides and hydrazides of oxalic acid. Part 2: Acyl derivatives of acyl hydrazides of N-substituted oxamic acids. P. A. Petunin, A. V. Storozheva. *Zhur. ob. khim.* 33 no. 2:400-405 F '63.
- Effect of hydrazide poisoning on the γ -aminobutyric acid content in the brain [with summary in English]. A. V. Buzhnakala, S. M. Veroshchagin, I. A. Sytinaki. *Vest. LGU* 18 no. 3:140-142 '63.
- HYDRAZINE**
- Chemistry of free radicals of the hydrazine series. Part 9: Synthesis of α, α -diphenyl- β -2, 6-dinitro-4-carboxy-phenylhydrazyl and α, α -diphenyl- β -2, 6-dinitro-4-bromophenylhydrazyl. R. O. Matevosian, M. A. Ikrina. *Zhur. ob. khim.* 33 no. 2:499-503 F '63.
- HYDRAZO COMPOUNDS**
- "Thermal" rearrangement of hydrazo compounds in various solvents. V. O. Lukashovich, L. G. Krol'ik. *Dokl. AN SSSR* 147 no. 5:1090-1093 D '62.
- HYDROBIOLOGICAL RESEARCH**
- Validity of hydrobiological samples in evaluating food resources of fishes. G. I. Shpet, V. S. Rotovskaya. *Vop. ikht.* 2 no. 4:745-747 '62.
- HYDROBORACITE CRYSTALS**
- Crystalline structure of hydroboracite $\text{CaMgB}_6\text{O}_{11} \cdot 6\text{H}_2\text{O} = \text{CaMg}[\text{B}_3\text{O}_4(\text{OH})_3]_2 \cdot 3\text{H}_2\text{O}$. A. Ashirov, I. M. Rumanova, N. V. Belov. *Dokl. AN SSSR* 147 no. 5:1070-1082 D '62.
- HYDROCARBON OILS**
- Hydrocarbons of the naphthalene series in naphtha and gas oils of catalytic cracking. N. M. Indukov, M. K. Danilov, *Khim. i tekhn. topl. i masel* 8 no. 1:16-19 Ja '63.
- HYDROCARBONS**
- Additivity of the π -electron energy of condensed aromatic hydrocarbons calculated by the free electron method. M. E. Eriykin, N. F. Stepanov. *Zhur. strukt. khim.* 4 no. 1:84-90 Ja-F '63.
- Catalytic properties of organic polymers with a system of conjugated bonds. Formation of hydroperoxides by the oxidation of alkyl aromatic hydrocarbons and cyclohexane. S. Z. Roginskii and others. *Dokl. AN SSSR* 148 no. 1:118-121 Ja '63.
- Conversions of hydrocarbons on rhodium-palladium-siluminosilicate catalysts under conditions of reforming. M. A. Roshentseva, I. U. A. Afanas'eva, Kh. M. Minachev. *Neftekhimiya* 3 no. 1:55-59 Ja-F '63.
- Determination of small quantities of aromatic hydrocarbons in waste waters. I. U. Lur'e, V. A. Panova. *Zav. lab.* 29 no. 3:293-295 '63.
- New data on the kinetics of C₅-dehydrocyclization of hydrocarbons. O. V. Bragin, A. L. Liberman. *Dokl. AN SSSR* 148 no. 2:338-341 Ja '63.
- Radiation-induced thermal cracking of petroleum hydrocarbons. Part 2: Radiation-induced thermal cracking in a uniform temperature and dose field of γ -radiation under pressures from 1 to 30 atm. A. V. Topchay, L. S. Polak, V. D. Timofeev. *Neftekhimiya* 3 no. 1:114-123 Ja-F '63.
- Zirconium dioxide and titanium dioxide as promoters of the cobalt catalyst in the synthesis of higher hydrocarbons from carbon monoxide and hydrogen. I. A. T. Eidus, T. F. Bulanova, N. S. Sergeeva. *Dokl. AN SSSR* 147 no. 5:1105-1107 D '62.
- HYDROCARBONS—ABSORPTION SPECTRA**
- Kusakov, M. M., N. A. Shimanko, and M. V. Shishkina. [Ultraviolet absorption spectra of aromatic hydrocarbons] *Ultravioletovye spektry pogloshchenia aromatischeskikh uglevodородov*. Moskva, Izd-vo Akad. nauk SSSR, 1963, 269 p.
- HYDROCARBONS—SPECTRA**
- Conjugated systems. Part 167: Nuclear magnetic resonance spectra and structure of diene hydrocarbons. A. A. Petrov, V. B. Lebedev, I. U. I. Porfir'eva. *Zhur. ob. khim.* 33 no. 2:416-418 F '63.
- HYDROCEPHALUS**
- Resection of the corpus callosum in animals with experimental hydrocephalus. M. V. Putsillo, V. I. Rostotskaya. *Probl. sov. neirokhir.* 4:36-43 '62.
- Results of perforation of the corpus callosum in hydrocephalus in children. M. V. Putsillo, V. I. Rostotskaya. *Probl. sov. neirokhir.* 4:25-35 '62.
- HYDROCYANIC ACID**
- New way of utilizing the hydrocyanic acid contained in coke gas (from "Erdol und Kohle," no. 12, 1961). Koks i khim. no. 1:62-63 '63.
- HYDRODYNAMICS**
- Allowing for heat transfer and the temperature dependence of viscosity in the problem of a viscous liquid flow between two rotating concentric cylinders [with summary in English]. S. K. Aslanov. *Inzh.-fiz. zhur.* 6 no. 2: 8-14 F '63.
- Calculating the coefficient of hydrodynamic resistance and fluidization rate of a polydisperse layer of spherical particles. N. B. Kondukov, V. M. Lindin. *Khim. prom.* no. 11:793-795 N '62.
- Concerning the form of a pressure pulse when covering a pipeline with a gate. S. A. Kuraev and others. *Avtom. kont. i izm. tekhn.* no. 6:192-195 '62.
- Determining the time of displacement of a viscous liquid by another in a bank of tubes taking nonstationary conditions into account. A. F. Kasimov, V. M. Mekhtiev. *Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk* no. 4: 121-130 '62.
- Generalization of the experimental data on hydrodynamics of a fluidized bed under pressure. E. A. Kazakova, R. Z. Khiterer. *Khim. prom.* no. 11:798-801 N '62.
- Resistance of a gaseous medium to the movement of particles having a size comparable to the mean free path of gas molecules. N. A. Fuks, I. B. Stechkina. *Zhur. tekh. fiz.* 33 no. 1:132-135 Ja '63.
- Resonance phenomena in forced oscillations of a layer of incompressible conducting liquid in a transverse magnetic field. I. B. Chekmarev. *Zhur. tekh. fiz.* 32 no. 12:1477-1479 D '62.
- Simplified method for constructing free surface curves for a flow with high kinetic energy and a gradually sloping bottom. I. A. Aleksandrov. *Izv. vyz. ucheb. zav. i energ.* 6 no. 1:95-98 Ja '63.
- Turbulent flow of a conducting liquid in tubes of square cross section under the action of electrodynamic ponderomotive forces. A. G. Rablinda, A. I. Khoshainov. *Zhur. tekh. fiz.* 33 no. 1:80-89 Ja '63.
- HYDROELECTRIC POWER**
- (see also subdivision under Finland)
- Principal requirements from hydrological forecasts with long-range water power regulation of the hydroelectric power stations. S. M. Musaelian. *Elek. sta.* 33 no. 12: 33-36 D '62.
- HYDROELECTRIC POWER STATIONS**
- (see also subdivision under Armenia; Tashkent; Vilnyu River; see also Bratsk Hydroelectric Power Station; Bakhlarma Hydroelectric Power Station; Kakhovka Hydroelectric Power Station; Nursk Hydroelectric Power Station; Volga Hydroelectric Power Station (Lening))
- At hydraulic engineering construction projects. *Gidr. stroi.* 32 no. 9:42 S '62.
- Bernshtein, L. B. [Uniflow and submersible hydraulic turbines] *Prilozheniya i pogruzhennyye gidroagregaty*. Moskva, Tsentr. in-t nauchno-tekhn. informatsii mashinostroyeniya, 1962, 208 p.
- Determination of the saving of fuel by hydroelectric power stations over a period of several years using a digital computer. A. N. Zlatopol'skii, S. L. Pruzner. *Elek. sta.* 33 no. 12:30-33 D '62.
- In the Technical Administration. *Gidr. stroi.* 32 no. 9: 41-42 S '62.
- Large hydrogenerators. V. V. Dombrovskii and others. *Elek. sta.* 34 no. 1:37-43 Ja '63.
- Power engineering method of stepwise arrangement of a cascade of derivational hydroelectric power stations on water ducts with discharges decreasing toward the mouth. N. A. Mamed-Zade. *Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk* no. 4:97-100 '62.
- Principal requirements from hydrological forecasts with long-range water power regulation of the hydroelectric power stations. S. M. Musaelian. *Elek. sta.* 33 no. 12: 33-36 D '62.
- Principles for determining the economic efficiency of hydroelectric power stations. B. L. Erlikhman. *Elektrichestvo* no. 1:78-83 Ja '63.
- Tests in the preventive maintenance of rotor winding insulation of hydrogenerator rotors using a stepped-up voltage. B. I. Kozyrev, V. L. Shargorodskii. *Elek. sta.* 34 no. 1:83-84 Ja '63.
- Use of isolators and short-circuiting devices in systems of hydroelectric power stations. B. N. Mikhalev. *Izv. vyz. ucheb. zav. i energ.* 6 no. 1:17-24 Ja '63.
- HYDROELECTRIC POWER STATIONS—ACCOUNTING**
- Methodology for calculation or a calculation formula? V. V. Bolotov. *Elek. sta.* 33 no. 12:83-84 D '62.
- HYDROELECTRIC POWER STATIONS—COLD WEATHER CONDITIONS**
- Heating the trash racks of hydroelectric power stations. G. A. Chepalkin. *Gidr. stroi.* 32 no. 9:42-43 S '62.
- HYDROELECTRIC POWER STATIONS—EQUIPMENT AND SUPPLIES**
- Russia (1923- U. S. S. R.) *Glavnoe energeticheskoe upravleniye*. [Methodology for adjusting hydromechanical power stations] *Metodika naladii gidromekhanicheskoi apparatury avtomatiki GES*. Moskva.
- P. I. [Rotation relays and jet relays] *Rele oborotov i struinye rele*, 1961, 36 p. [MICROFILM]
- HYDROFLUORIC ACID**
- Ion exchange in HF solutions. Group separation of elements by means of ion exchange resins. M. K. Nikitin. *Dokl. AN SSSR* 148 no. 3:595-597 Ja '63.
- Sorption of uranium (VI) by a strong acid cation exchanger KU-2 from solutions containing hydrofluoric acid. V. S. Pakholkov. *Radiokhimiya* 5 no. 1:56-62 '63.
- HYDROFOIL BOATS**
- Propeller influence on the characteristics of underwater wings. M. I. Frenkel'. *Sudostroenie* 20 no. 2:4-5 F '63.
- Winged ships should also sail in nighttime. E. Urchenko, I. U. Kuvalinnikov, V. Kurov. *Rech. transp.* 22 no. 1: 45 Ja '63.
- HYDROGEN**
- Coefficient of continuous radiation absorption by the diatomic molecules of hydrogen. S. P. Erkovich. *Trudy MTIPP* 16:176-182 '60.
- Effect of cadmium ions on the adsorption of hydrogen on a palladium coated platinum electrode. D. V. Solov'skii, N. A. Zakharina, G. D. Zakumbaeva. *Dokl. AN SSSR* 148 no. 3:630-632 Ja '63.
- Method of determining oxirane (epoxy) hydrogen. L. A. Lubavina. *Masl.-zhir. prom.* 20 no. 1:38 Ja '63.
- HYDROGEN—ANALYSIS**
- New adsorbent of halogens in the simultaneous micro-determination of carbon, hydrogen, and halogens. A. A. Abramian, S. M. Atashian. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 6:521-525 '62.
- HYDROGEN BONDING**
- Hydrogen bond and the statistical dielectric constant of liquids. Part 2: Correlation factor and the structure of monobasic carboxylic acids. A. E. Lutsik, S. A. Mikhailenko. *Zhur. strukt. khim.* 4 no. 1:14-17 Ja-F '63.
- HYDROGEN HALIDES**
- Conjugated systems. Part 160: Course of the addition of hydrogen halides to diene hydrocarbons - vinyl-allylacetylene and its homologs. A. A. Petrov, I. U. I. Porfir'eva. *Zhur. ob. khim.* 33 no. 2:410-427 F '63.
- HYDROGEN-ION CONCENTRATION**
- Determination of soluble glass ration by the pH value. I. U. P. Vasin, A. P. Nikiforov. *Lit. proizv.* no. 2:36 JI '62.
- HYDROGEN ISOTOPES**
- New type of hydrogen exchange in the photolysis of some organic compounds. M. G. Kuz'min, I. V. Berezin. *Dokl. AN SSSR* 148 no. 2:377-379 Ja '63.
- HYDROGEN NUCLEUS** see Protons
- HYDROGEN PEROXIDE**
- Reaction between 2-formylcyclohexanone cyclohexylamine and hydrogen peroxide. L. P. Vinogradova, S. I. Zavalov. *Zhur. ob. khim.* 33 no. 2:704 F '63.
- HYDROGENATION**
- Alkaloids of the C₁₅ series. Part 10: Hydrogenation of aphyllidine and aphyllidine acid. A. I. Ishneev, A. S. Sadykov, Kh. A. Aslanov. *Zhur. ob. khim.* 33 no. 2: 687-689 F '63.
- Synthesis and catalytic hydrogenation of 5-(1-hydroxycyclohexyl)-4, 3-dimethyl-4-heptyl-3-ol and its acetates. A. I. Nogaideli, T. S. N. Vardosanidze. *Zhur. ob. khim.* 33 no. 2:379-381 F '63.
- Synthesis and catalytic isomerization of phenyl-naphthalenes and their hydrogenated derivatives. O. M. Nefedov, Shi Mei-fan [Shih Mei-fang]. *Neftekhimiya* 3 no. 1:49-54 Ja-F '63.
- HYDROLOGY** see subdivision under Caspian Sea; Gedenshtrom River
- HYDROLOGY—BIBLIOGRAPHY** see Bibliography—Hydrology
- HYDROLYSIS**
- (see also subdivision under Leningrad; Tulan)
- Conditions of the oxidation of ferrous sulfate and of the hydrolysis of the oxidation products in autoclave processes. I. F. Khudakov, A. V. Khueva, V. I. Smirnov. *Dokl. AN SSSR* 148 no. 3:654-657 Ja '63.
- Furfural-containing semiproduces of hydrolysis. E. F. Morozov, M. A. Ivanova. *Gidroliz. i lesookhm. prom.* 16 no. 1:29 '63.
- Hydrolysis of a U (IV) ion. V. M. Vdovenko, G. A. Romannov, V. A. Shcherbakov. *Radiokhimiya* 5 no. 1:137-138 '63.
- Hydrolysis of heavy nonferrous metal chlorides. N. A. Miliutina, S. I. Tarabae. *Izv. AN Kazakh. SSR. Ser. met., obog. i ognep.* no. 2:56-64 '63.
- Hydrolysis of some di(2-chloroethyl)amides. Part 2. A. I. A. Berlin, A. D. Chikava. *Zhur. ob. khim.* 33 no. 2:610-611 F '63.
- Mechanism of hydrolysis of aromatic sulfochlorides of alkanol and aryl sulfonates. R. V. Vizgert. *Usp. khim.* 32 no. 1:3-39 Ja '63.
- Reorganization of scientific research work. S. V. Cheplig. *Gidroliz. i lesookhm. prom.* 16 no. 1:4-6 '63.

HYDROLYSIS (Continued)

Results of and prospects for the development of the hydrolysis industry in the U.S.S.R. A. I. Kozlov. [Trudy] NTO bum. i der. prom. no. 8:184-192 '60.
Toward labor victories in the fifth year of the seven-year plan. Gidroliz. i lesokhiz. prom. 16 no. 1:1-3 '63.
What makes polysaccharides readily or sparingly hydrolyzable? V. I. Sharkov. [Trudy] NTO bum. i der. prom. no. 8:193-203 '60.

HYDROLYSIS—BIBLIOGRAPHY see Bibliography—Hydrolysis

HYDROMAGNETIC WAVES see Magnetohydrodynamics

HYDROMECHANICS see Fluid mechanics

HYDROMETALLURGY

(see also subdivision under United States)

Balmakov, I. V., and A. I. Zhurin. [Electrolysis in hydrometallurgy] Elektrolyz v gidrometallurgii. Moskva, Metallurgizdat, 1963. 616 p.

Characteristics of melts from the alkali refining of lead. V. I. Milent'eva. Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:65-70 '58.

Equilibrium in sulfide-chloride systems. S. I. Tarabaev, R. S. Demchenko, K. A. Shekurov. Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:13-25 '58.

Settling, filtration, and washing of sliter cake following the leaching of concentrates in chloride solutions. S. A. Tarabaev, N. A. Milutina. Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:26-31 '58.

HYDROMETER

Portable apparatus for hydrostatic weighing used in defining the specific gravity of the human body. A. G. Zhdanova. Vop. antr. no. 10:85-87 '62.

HYDROMICA—NOMENCLATURE

Role of hydromics in the earth's crust and some problems of their systematics and nomenclature. A. A. Nyrkov. Izv. AN SSSR. Ser. geol. 27 no. 12:95-101 D '62.

HYDROPEROXIDES

Catalytic properties of organic polymers with a system of conjugated bonds. Formation of hydroperoxides by the oxidation of alkyl aromatic hydrocarbons and cyclohexane. S. Z. Roginskii and others. Dokl. AN SSSR 148 no. 1:118-121 Ja '63.

Separation of mono-, di-, and hydroperoxide of p-difac-propylbenzene by chromatography on silica gel. R. V. Kucher, R. N. Rud', Zav. lab. 29 no. 1:19-22 '63.

HYDROPLANES

In a "flying cruiser." II'ia Klaz. Belarus' 20 no. 2:14 F '63.

Winged whirlwind. A. Gorushkin. Sov. Soluz. no. 9:47 '62.

HYDROXYLAMINE

Dipole moments of the radical and of the molecule; diphenyl nitrogen oxide and diphenylhydroxylamine. A. L. Buchachenko and others. Dokl. AN SSSR 148 no. 1:95-96 Ja '63.

Polarographic study of equilibria in the interaction of hydroxylamine and cyclohexanone oxime with formaldehyde in aqueous solutions [with summary in English]. Ia. I. Tur'ian, V. V. Smekalova, Zhur. anal. khim. 17 no. 9:1117-1119 D '62.

HYGIENE—RESEARCH

"Methods of hygiene research" by A. A. Minkh. Reviewed by L. M. Grushko. Sov. med. 26 no. 12:129-130 D '62.

HYPERONS

Analytic properties of the scattering amplitude and lifetime of E^+ -hyperons [with summary in English]. L. V. Laperashvili, S. G. Matinian. Trudy Inst. fiz. AN Gruz. SSR 8:161-172 '62.

Formation of hypernuclei in collisions of Λ particles with nuclei [with summary in English]. S. G. Matinian. Trudy Inst. fiz. AN Gruz. SSR 8:173-181 '62.

Lifetime of charged E^+ hyperons [with summary in English]. Z. Sh. Mandzhavidze and others. Trudy Inst. fiz. AN Gruz. SSR 8:125-129 '62.

HYPERSPACE

Relation between small variations in a system of differential equations and the corresponding point mapping. I. I. Neimark. Dokl. AN SSSR 140 no. 2:281-283 Ja '63.

HYPERTENSION

Biochemical changes in the blood in hypertension in elderly and senile persons. E. A. Sel'kov. Trudy LIETIN no. 4:146-157 '60.

Cardiovascular system in the combined symptoms of aging and hypertension: clinical X-ray observations. A. I. Sado'ev. Trudy LIETIN no. 4:132-145 '60.

Changes in the eye in hypertension in elderly and senile persons. N. V. Sernokh, Trudy LIETIN no. 4:100-113 '60.

Characteristics of the clinical manifestations of hypertension in elderly and senile persons. M. I. Khvilitskaya, K. I. Nikitina, M. I. U. Magaril, Trudy LIETIN no. 4:100-112 '60.

Characteristics of the electrocardiogram in hypertension in elderly and senile persons. A. V. Soboleva. Trudy LIETIN no. 4:124-131 '60.

Characteristics of the hemodynamics in hypertension in elderly and senile persons. I. I. Likhitskaya. Trudy LIETIN no. 4:113-123 '60.

Clinical aspects and diagnosis of early complications following surgery performed under symptoms of intracranial hypertension. D. G. Zhuchenko. Probl. sovr. neirokhir. 4:53-61 '62.

Dynamics of the glycogen content in the liver in different forms of experimental hypertension. V. M. TSinam-zgrishvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:283-288 '62.

Effect of factors of the Tskaltubo health resort on the functions of kidneys in hypertensive disease [in Georgian with summary in Russian]. T. G. Mardaleishvili. Trudy Tbil. GIDUV 6:427-433 '62.

Effect of gas baths on oxymetric indices in hypertension [with summary in English]. T. A. Vasil'eva. Vrach. delo no. 11:20-33 N '62.

Effect of reserpine on the renal blood flow and the glomerular filtration and reabsorption in hypertensive disease. P. I. Mishchenko. Nauch. trudy Chstv. Mosk. gor. kln. bol'. no. 1:347-355 '61.

Neurodynamic changes in hypertension in elderly and senile persons. E. A. Sanamian. Trudy LIETIN no. 4:158-165 '60.

Perchikova, G. E. [What is atherosclerosis and hypertension?] Chto takoe ateroskleroz i gipertonicheskaia bolezn'. Moskva, Izd-vo "Znanie," 1963. 46 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 2)

Röntgenokymographic study of the beat and minute volume of the blood in hypertensive patients under the action of terrain cure. I. L. Arabai. Vop. rent. i onk. 6:47-56 '61.

Work capacity in elderly and senile hypertension patients. M. I. Khvilitskaya, K. I. Nikitina, M. I. U. Magaril, Trudy LIETIN no. 4:92-99 '60.

HYPNOTISM

"Hypnotism and religion" by V. E. Rozhnov, M. A. Rozhnova. Reviewed by V. Andreev. Znan. - sila 37 no. 12: 55 D '62.

HYPNOTISM—MORAL AND RELIGIOUS ASPECTS

Rozhnov, V. E., and M. A. Rozhnova. [Hypnotism and religion] Gipnoz i religia. Moskva, Voenizdat, 1962. 112 p. (Nauchno-popul'narnaia biblioteka)

HYPNOTISM—THERAPEUTIC USE

Preparation for hypnotherapy using acupuncture. A. M. Dembo. Vrach. delo no. 11:138-139 N '62.

HYPOLEUCEMIA see Leucopenia

HYPOPHYSECTOMY

Change in the sorptive characteristics of some tissues in hypophysectomized irradiated animals. V. A. Kazarian. Izv. AN Arm. SSR. Biol. nauki 15 no. 8:45-50 Ag '62.

HYPOTENSION

Research on pharmacological agents with prolonged hypotensive action. E. V. Vinogradova. Vest. AMN SSR 18 no. 1:89-86 '63.

Use of artificial hypotonia in surgery [in Georgian with summary in Russian]. R. I. Kurdgelita. Trudy Tbil. GIDUV 6:338-341 '62.

HYPOTHALAMUS

Effect of electrical stimulation of the anterior section of the hypothalamus on the food-obtaining conditioned reflexes in a rabbit. T. G. Beteleva. Trudy Inst. vye. nerv. delat. Ser. fiziol. 7:257-264 '62.

Morphology and topography of supplementary Górnipositive neurosecretory elements of the hypothalamic region in white mice. A. L. Polenov, S. I. Ushkantseva. Dokl. AN SSSR 148 no. 2:441-444 Ja '63.

HYPOTHERMIA

Changes in some components of the blood coagulation system in radiation sickness under hypothermic conditions [in Georgian with summary in Russian]. T. N. Dzhabaridze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:277-281 '62.

Effect of hypothermia on conditioned reflex activity. G. V. Khvedelidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:207-218 '62.

Experimental study of metabolic acidosis under deep hypothermia. E. P. Stepanian, R. V. Merkur'eva, E. L. Geselevich. Dokl. AN SSSR 147 no. 5:1250-1252 D '62.

Morphological changes of internal organs in hypothermia: an experimental study [in Georgian with summary in Russian]. A. V. Dzhorbenadze, Z. N. Kakhlani. Trudy Tbil. GIDUV 6:109-117 '62.

Training regime and some indicators of the adaptation capacity of rats to deep hypoxic-hypercapnic hypothermia. N. V. Korostovtseva. Fiziol. zhur. 48 no. 12: 1466-1470 D '62.

Use of local physical hypothermia in amputations of extremities [in Georgian with summary in Russian]. N. V. Antelava, Z. L. Zodelava. Trudy Tbil. GIDUV 6:75-80 '62.

HYSTERESIS

Anisotropy of the hysteresis of deformed silicon iron crystals. E. G. Krivososova, B. G. Livshits. Fiz. met. i metalloved. 14 no. 6:930-932 D '62.

IAKOVLEV, GLEB NIKOLAEVICH

In memory of a great countryman. T. Andreikovich. Iakusstvo 25 no. 11:65-67 '62.

IARCHEVSKAYA, VALENTINA ALEKSANDROVNA, 1911-1963

V. A. Iarchevskaya; obituary. Vest. svizl 23 no. 2:32 F '63.

IARTSOV, ANIKITA SERGEEVICH, 1737-1819

Outstanding miner and metallurgist A. S. Iartsov; the 225th anniversary of his birth. A. G. Kozlov. Metallurg 8 no. 2:39 F '63.

IBRAGIMOV, IBRAGIM IBISHEVICH, 1912-

The 50th birthday of I. I. Ibragimov. A. S. Dzhaferov, R. G. Mamedov. Usp. mat. nauk 18 no. 1:241 Ja-F '63.

ICE

(see also subdivision under Arctic Ocean; Arctic regions; Franz Josef Land; Lazarev region, Antarctica; Novaya Zemlya)

Effect of temperature on the relationship of thickness to diameter in disc-shaped crystals of anchor ice. L. A. Bukina. Izv. AN SSSR. Ser. geofiz. no. 1:188-190 Ja '63.

Growth rate of ice crystal formation in water. L. A. Bukina. Izv. AN SSSR. Ser. geofiz. no. 12:1852-1857 '62.

Installation of very simple storehouses made of ice. V. Shchegolev. Stroitel' 8 no. 2:31 F '62.

ICE—OPTICAL PROPERTIES

Characteristics of the scattering of solar radiation in opaque ice. K. S. Liubimirova. Inform. shor. o rnb. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. gadu no. 9:145-155 '62.

ICE—BREAKING VESSELS see subdivision under Finland, Gulf of

ICE—BREAKING VESSELS—DESIGN AND CONSTRUCTION

Spherical grating of a Kingston valve. V. Gancho. Mor. flot 23 no. 2:34 F '63.

ICE ON RIVERS, LAKES, ETC.

Equipment for the water storage of wood under winter conditions. A. G. Badiudin. Bum. prom. 38 no. 1:20-21 Ja '63.

The problem of ice loads on concrete slope paving during fluctuations in the water level. N. N. Bellashevskii. Gidr. stroit. 32 no. 9:44-46 S '62.

ICE ON RIVERS, LAKES, ETC.—OPTICAL PROPERTIES see subdivision under Baksan River

ICELAND SPAR see subdivision under Lower Tunguska Valley; Siberian Platform

ICHTHYOLOGICAL RESEARCH

(see also subdivision under Karelia)

Michurin's trend in biology and ichthyological research. G. S. Karzinkin, G. V. Nikol'skii. Vop. ikht. 3 no. 1: 7-14 '63.

IDEALS (ALGEBRA)

On ideals of associative rings. I. I. Zuev. Usp. mat. nauk 18 no. 1:156-158 Ja-F '63.

IELISEIEV, OLEKSANDR IAKYMOVYCH, 1887-

The oldest criminologist of the Ukraine. Rad. pravo no. 1:122-123 Ja-F '63.

IL'ICH DISTRICT—COTTON—IRRIGATION

Use of water on the "Pakhtanaral" State Farm. N. T. Lakteev, M. D. Chelukanov. Vop. gidr. no. 10:5-36 '62.

IL'ICHEVSK—HARBOR

Heavy cargo loading by gantry cranes in the Il'ichevsk harbor. B. Rimashevskii. Mor. flot 23 no. 2:14-15 F '63.

ILIUM

Clinical anatomical basis for the technique of bone marrow punctures of the ala ili [with summary in English]. L. T. Bil'kevich. Vrach. delo no. 1:52-57 Ja '63.

ILLITERACY—CONGRESSES

Struggle against illiteracy. G. Serdiuchenko. Az. i Afr. sog. no. 3:42-43 Mr '63.

ILLUMINATION OF BOOKS AND MANUSCRIPTS

Graphic illustration of two Novgorod manuscript books from the 14th century [with summary in English]. Z. V. Il'ina. Vest. LGU 38 no. 2:61-70 '63.

- ILLUMINATION OF BOOKS AND MANUSCRIPTS—BIBLIOGRAPHY** see Bibliography—Illumination of books and manuscripts
- ILLUSTRATION OF BOOKS**
Pakhomov, V. V. [Book art; conception of the typography, illustrations] *Knizhnoe iskusstvo; zamysel i formirovaniye, illustratsii*, Moskva, Gos. izd-vo "Iskusstvo", Book 2, [Illustrations] *Illustratsii*, 1962, 429 p.
- ILLUSTRATION OF BOOKS—EXHIBITIONS**
 At the "Young Illustrators" Exhibit, S. B. Tellingater. *Poligr. proizv.* no. 11:25-27 N '62.
- IL'MEN' MOUNTAINS—FERSMITE**
 A new rare-earth variety of ferromite. B. A. Makarochkin, E. M. Es'kova, V. B. Aleksandrov. *Dokl. AN SSSR* 148 no. 1:179-182 Ja '63.
- ILMENTE—MAGNETIC PROPERTIES**
 Self-reversal of magnetization in artificial ilmentite-hematite solid solutions. A. I. Vlasov, A. G. Zvegintsev, A. A. Bogdanov. *Izv. AN SSSR, Ser. geofiz.* no. 1:135-140 Ja '63.
- IMIDAZOLE**
 Preparation and reactions of 1-chloro-1,2-epoxides. Report No. 4: Synthesis of some thiazole and imidazole compounds. A. A. Durgarian. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 5:481-487 '62.
- IMIDAZOLIUM COMPOUNDS**
 Some transformations of the systems containing an imidazole ring. Part 3: Action of bases of N-methyl-N-(2,4-dinitrophenyl)imidazolium salts. A. M. Simonov and others. *Zhur. ob. khim.* 33 no. 2:571-579 F '63.
- IMIPRAMINE**
 Clinical characteristics of the course of depressive attacks in patients suffering from a circular form of schizophrenia when treated with tofranil-imizin (with summary in English). M. S. Zeleva. *Trudy Gos. nauch.-issl. inst. psikh.* 35:220-229 '62.
 Comparative analysis of morphological changes in the cortex and subcortical formations in the animal brain under the action of amiazine and imizin on healthy animals. I. U. A. Gainisman. *Trudy Gos. nauch.-issl. Ser. fiziol.* 7:288-289 '62.
 Study of the antimicrobial properties of tofranil; an experimental investigation [with summary in English]. V. V. Kvirkadze, R. D. Kogan. *Trudy Gos. nauch.-issl. inst. psikh.* 33:240-248 '62.
- IMMUNITY**
 Clinical characteristics of colenteritis and some immunological indices in its prevalence. B. G. Shrivindt and others. *Nauch. trudy Chetv. Mosk. gos. kln. bol.* no. 1: 28-39 '61.
 Duration of the retention of vaccination immunity following intracutaneous inoculations with a live antituberculous vaccine. N. S. Klichko. *Trudy Len. inst. epid. i mikrobiol.* 19:103-114 '59.
 Effect of some antibiotics upon the formation of immunity under experimental conditions. I. A. R. Kovalenko, N. T. Tatarintsev. *Trudy VIEV* 26:8-25 '62.
 Immunological evaluation of the effectiveness of anti-influenza vaccination in 1958-1959. E. A. Fridman and others. *Trudy Len. inst. epid. i mikrobiol.* 22: 146-155 '61.
 Materials for the study of the developmental mechanism of inoculation immunity against mumps; preliminary report. N. S. Klichko, N. V. Galko. *Trudy Len. inst. epid. i mikrobiol.* 22:94-108 '61.
 New data on immunological features in rheumatic fever and tonsillar diseases [with summary in English]. P. P. Sakharov and others. *Vop. revm.* 2 no. 3:12-17 J1-S '62.
 Some data on the effect of betatron rays on the natural immunity of white rats to tularemia [with summary in English]. E. I. Kleitman. *Trudy TomNIIVS* 11:319-324 '60.
 Some immunogenic indices in patients with chronic, recurrent dysentery in the light of the teaching regarding the variability of the pathogens. A. I. Kortev, Shor. rab. Sverd. med. inst. no. 32:113-122 '61.
 State of immunity in children vaccinated with a live vaccine against measles. A. A. Smorodintsev and others. *Trudy Len. inst. epid. i mikrobiol.* 22:7-20 '61.
- IMMUNOCHEMISTRY**
 Correlations of bioelectrical potentials of internal organs and some factors of humoral natural immunity in dogs [with summary in English]. N. V. Vasil'ev, L. G. Trofimov. *Trudy TomNIIVS* 11:181-185 '60.
 Reactivity of the preparations against spring and summer tick-borne encephalitis [with summary in English]. B. G. Trukhanov, L. A. Egorshina, N. F. Zaitina. *Trudy TomNIIVS* 11:255-260 '60.
- IMMUNOHEMATOLOGY**
 Detection of specific tumor antigens in the blood of patients with brain tumors. V. A. Korenevskaia. *Probl. sovr. neirokhir.* 4:307-314 '62.
- IMMUNOLOGY**
 "Immunology of rheumatic fever" by V. I. Ioffe. Reviewed by V. I. Sachkov. *Vop. revm.* 2 no. 3:89-94 J1-S '62.
 Permeability factor and hyaluronic acid in the phenomena of infection and immunity. Report no. 3: The permeability factor and hyaluronic acid in an experimental immunology model using cold-blooded animals [with summary in English]. M. I. Alaverdian. *Trudy TomNIIVS* 11: 207-212 '60.
 Study of immunobiological reactions in cattle vaccinated with strain no. 19 under different epizootiological conditions. O. I. Morlakova, G. S. Zasedateleva. *Trudy VIEV* 26:90-97 '62.
 Study of the immunological structure of the population of Leningrad in relation to the poliomyelitis viruses. R. A. Kantorovich, L. M. Kurnosova, G. P. Zhilova. *Trudy Len. inst. epid. i mikrobiol.* 19:131-140 '59.
 Transfer of the state of increased immunoreactivity from an intact animal by means of parabiosis and transplantation of lymph nodes. L. N. Fontalin. *Dokl. AN SSSR* 148 no. 3:724-727 Ja '63.
- IMPEDANCE (ELECTRICITY)**
 Impedance of diffusion p-n junctions on a minor variable signal. D. A. Aronov. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk* 6 no. 6:73-86 '62.
- IMPERIALISM** see subdivision under Great Britain
- IMPOSTORS AND IMPOSTURE** see subdivision under United States
- INDER, VERA MIKHAILOVNA, 1890-**
 "Vera Inder" by I. Grinberg. Reviewed by E. Berezhina. *Vop. lit.* 6 no. 12:215-216 D '62.
- INBREEDING**
 Place of inbreeding in swine raising. D. I. Voitko. *Zhivotnovodstvo* 23 no. 7:63-68 J1 '61.
- INCENTIVES IN INDUSTRY**
 Distribution according to work and the principle of material self-interest during the transition from socialism to communism [with summary in English]. p. 182. E. L. Manevich. *Vop. filos.* 17 no. 2:15-25 '63.
 Improving material incentives is an important lever for accelerating the rate of the building of communism. D. Konakov. *Sots. trud* 7 no. 12:26-33 D '62.
 An indispensable condition for the building of socialism. *Sots. trud* 7 no. 6:3-12 Je '62.
- INCOME**
 Correlation between national income and the state budget. S. Sitarian. *Fin. SSSR* 37 no. 1:20-28 Ja '63.
 Prospects for the growth and utilization of the national income of the U. S. S. R. A. Vikent'ev. *Vop. ekon.* no. 1:17-28 Ja '63.
 Working out the balance of monetary income and expenditure of the population in financial organs. A. Andreev. *Fin. SSSR* 37 no. 1:58-61 Ja '63.
- INCUBATION**
 Experimental study of hatching in some birds. V. R. Dol'nik. *Ornitologiya* no. 5:404-409 '62.
- INDAN**
 Bis (β-chloroethyl) amines of bicyclic compounds. Part 6: 4- and 5-N-bis (β-chloroethyl) aminoindans. I. I. Kolodkina, K. V. Levezhina, S. I. Sergiyevskaya. *Zhur. ob. khim.* 33 no. 2:469-474 F '63.
- INDEX NUMBERS (ECONOMICS)**
Gancheva, L. A. [Indices of proportions in the national economy] *Voprosy chislavogo izmereniya narodno-khoziaistvennykh proporsii*. Kishinev, Izd-vo "Shtiintsa" Moldavskogo filiala Akad. nauk SSSR, 1960, 64 p.
 Indices of costs and the ruble expenditures for commodity production. N. Liubimov. *Vest. stat.* no. 1:48-57 '63.
- INDIA—AIRLINES**
 Air India. M. Usov. *Grazhd. av.* 10 no. 12:25 D '62.
- INDIA—FOREIGN ECONOMIC RELATIONS**
 "Imperialism and the economic independence of India" by V. I. Pavlov. Reviewed by K. Maksimov. *Az. i Afr. seg.* no. 3:62-63 Mr '63.
- INDIA—FOREIGN RELATIONS**
 Neutralism in attack and in defense. Lev Stepanov. *Nov. vrem.* 20 no. 9:3-5 Mr '63.
- INDIA—HISTORY**
 Notes on contemporary works on the ancient history of India. A. M. Osipov. *Nar. Az. i Afr.* no. 1:173-182 '63.
- INDIA—LEGENDS, BUDDHIST**
 Historic foundation of the ancient Indian Avadanas; a legend about Asoka's deposition and the "Queen's edict." G. M. Bongard-Levin. *Nar. Az. i Afr.* no. 1: 106-116 '63.
- INDIA—POLITICS AND GOVERNMENT**
 "Articles and speeches" by A. K. Gosh. Reviewed by Chandana Sekhar, P. Peshko. *Nar. Az. i Afr.* no. 1: 182-186 '63.
 "Imperialism and the economic independence of India" by V. I. Pavlov. Reviewed by K. Maksimov. *Az. i Afr. seg.* no. 3:62-63 Mr '63.
 Stirring up the reactionary forces in India. V. Pavlov. *I. Red'ko. Az. i Afr. seg.* no. 3:5-8 Mr '63.
- INDIA—SOCIAL CONDITIONS**
Shaposhnikova, L. V. [Through southern India] *Po Tuzhmet Indii*. Moskva, Izd-vo vostochnoi lit-ry, 1962, 247 p.
- INDIA—SOCIAL SCIENCES**
Akademiya nauk SSSR, Institut narodov Azii. [Sociopolitical and philosophical thought of India] *Otsichosivno-politicheskaia i filosofskaia mysl' Indii; sbornik statei*. Moskva, Izd-vo vostochnoi lit-ry, 1962, 202 p.
- INDIAN OCEAN—AIR—POLLUTION**
 Radioactive contaminants in the air over the Indian and Pacific Oceans in 1959-1960. V. N. Lavrenchuk, G. N. Sofiev, V. M. Shubko. *Atom. energ.* 14 no. 3:309-313 Mr '63.
- INDIANS OF MEXICO—ART**
 [Art of ancient Mexico] *Iskusstvo drevnei Meksiki*. Moskva, Gos. izd-vo izobraz. iskus., 1962, 10 p. illus.
- INDICTMENTS**
 Presentation of criminal cases for indictment. A. Koblikov. *Sov. iust.* no. 3:17-18 F '63.
- INDIGIRKA DELTA—BIRDS—MIGRATION**
 Materials on bird flights in the Indigirka Delta. S. G. Priklonskii, R. L. Bome, S. M. Uspenskii. *Migr. zhiv.* no. 3:145-169 '62.
- INDIUM—ANALYSIS**
 4-(2-Pyridylazo)-resorcinol, a sensitive reagent for the photometric determination of indium [with summary in English]. P. P. Kish, S. T. Orlovskii. *Zhur. anal. khim.* 17 no. 9:1057-1062 D '62.
- INDIUM COMPOUNDS**
 Complex compounds of indium of the lowest valency. Synthesis and properties of indium monohalide amines. A. P. Kochetkova, V. G. Tronev, O. N. Giliarev. *Dokl. AN SSSR* 147 no. 5:1086-1089 D '62.
 Complex indium citrates. D. I. Rikhsitkov, I. N. Marov, I. A. Ke-min' [Yao K'o-min]. *Zhur. neorg. khim.* 7 no. 12:2716-2724 D '62.
- INDOCHINA—ECONOMIC CONDITIONS**
 The economic position of French imperialism in Indochina on the eve of the Second World War [with summary in English]. p. 260. R. A. Popovkina. *Nar. Az. i Afr.* no. 1:85-95 '63.
- INDOLEACETIC ACID**
 Interaction of heteroauxin and gibberellin during the formation of roots and shoots in willow cuttings. R. Kh. Turetskaia, V. I. Kofeli, E. M. Kof. *Dokl. AN SSSR* 140 no. 2:401-404 Ja '63.
- INDOLE**
 Research on pharmacological agents with prolonged hypotensive action. E. V. Vinogradova. *Vest. AMN SSR* 10 no. 1:80-86 '63.
 Synthesis of 2-phenylindole and its 1-methyl derivative. N. I. Grinova, V. L. Sadovskaya, V. N. Ufimtsev. *Zhur. ob. khim.* 33 no. 2:552-553 F '63.
- INDONESIA—COMMUNIST PARTY**
 "Selected articles and speeches" by D. N. Aidit. Translated from the Indonesian. Reviewed by B. I. Il'ichev. *Vop. ist. KPSS* 7 no. 2:137-140 F '63.
- INDONESIA—DESCRIPTION AND TRAVEL**
 Dawn over the islands. Translated from the Swedish. Erik Lundkvist. *Vokrug sveta* no. 11:33-36 N '62.
 "In the country of three thousand islands; Russian scientists in Indonesia" by E. I. Gnevusheva. A book review. *Priroda* 52 no. 2:63 '63.
- INDONESIA—ECONOMIC CONDITIONS**
 For a life worthy of man. I. Kashmadze. *Az. i Afr. seg.* no. 2:50-57 F '63.
- INDONESIA—FOREIGN RELATIONS—UNITED STATES**
 Behind the shield of "good services." A. Lavin. *Az. i Afr. seg.* no. 2:8-9 F '63.
- INDONESIA—LATEX**
 Dawn over the islands. Translated from the Swedish. Erik Lundkvist. *Vokrug sveta* no. 11:33-36 N '62.
- INDONESIA—POLITICS AND GOVERNMENT**
 The bird of paradise spreads its wings. N. Aleksandrov. *Az. i Afr. seg.* no. 3:80 Mr '63.
 "Socialism in Indonesia and the conditions for its development" [in Indonesian] by D. N. Aidit. Reviewed by G. L. Kesselbrenner. *Nar. Az. i Afr.* no. 1:106-109 '63.

INDONESIA—RELIGION

Religion and superstitions of distant islands. N. Mitrofanov. Az. i Afr. seg. no. 3:54-55 Mr '63.

INDONESIA—TRADE UNIONS

For a life worthy of man. I. Kashmadze. Az. i Afr. seg. no. 2:57-58 F '63.

INDONESIAN LANGUAGE

"A critical survey of studies on Malay and Bahasa Indonesia" [in English] by A. Teeuw, H. W. Emanuels. Reviewed by N. F. Alieva. Nar. Az. i Afr. no. 1:234-236 '63.

INDUCTION HEATING

Bogatyrev, I. M., and others. [Rapid induction heating of heat-resistant alloy ingots] Skorostnoi induktsionnyi nagrev zagotovok iz zharoprochnykh spлавov. Moskva, Filial Vses. in-na nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-330/17)

Using induction heating for heat treatment of metals. I. Sh. Svet. Mashinostroenie no. 6:24-26 N-D '62.
Using induction heating in setting and dismantling wheel pairs. G. I. Andreev. Mashinostroenie no. 6:67-71 N-D '62.

INDUCTION MOTORS see Electric motors, Induction

INDUSTRIAL ACCIDENTS

Epidemic of traumatism abroad and its causes. I. I. Sluchevskii. Sov. zdrav. 22 no. 2:69-74 '63.

INDUSTRIAL ARBITRATION see Arbitration, Industrial

INDUSTRIAL BUILDINGS

(see also subdivision under Penza; Stavropol)
Designing the frames of one-story industrial buildings. V. Blinov. Stroitel'arkhit. 10 no. 2:31-33 F '62.
Experience with the design of new types of industrial buildings. G. Dintian and others. Stroitel'arkhit. 10 no. 2:9-11 F '62.
Introduce plastics into industrial construction. I. Sessel'. Na stroit. Ros. 3 no. 3:17-18 Mr '62.
New type of one-story industrial building. V. Burgman, N. Sofitskii. Na stroit. Ros. 3 no. 2:13-14 F '62.
Progressive elements of industrial buildings. O. Shestun, K. Biriukovich. Stroitel'arkhit. 10 no. 2:12-14 F '62.
Provide high quality in the construction of industrial buildings. S. Rovenskii. Na stroit. Ros. 3 no. 2:15-17 F '62.

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Basic regulations SN 223-62 concerning the standardization of three-dimensional plans and design details of industrial buildings] Osnovnye potozheniia po unifikatsii ob'omno-planirovochnykh i konstruktivnykh reshenii promyshlennykh zdani (SN 223-62) Moskva, 1962. 16 p.

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ELECTRIC TRUCKS

Use of electric trucks in shop transportation. K. K. Sunygin. Mekh. i avtom. proizv. 17 no. 2:34-35 F '63.

INDUSTRIAL EQUIPMENT

(see also subdivision under Moscow Province)
Objectives of the over-all mechanization and automation of trade enterprises. Mekh. i avtom. proizv. 17 no. 1:19-20 Ja '63.

INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

(see also subdivision under Kazakhstan)
Experience of the Dnepropetrovsk plant of food concentrates in equipment maintenance. I. E. Ivanov, A. P. Shestakov. Koms. i ov. prom. 18 no. 2:19-20 F '63.
Using the chemical method of coating with nickel for the reconditioning and strengthening of the machine parts in light industry enterprises. P. T. Basko and others. Leh. prom. no. 3:61-63 Je-Ag '62.

INDUSTRIAL FILMS see Motion pictures in industry

INDUSTRIAL HYGIENE

(see also subdivision under Moldavia; Noril'sk; Perm Province; Saratov Province; Ural'sk)

By means of a poster. A. Kondrat'ev. Okhr. truda i sots. strakh. 6 no. 2:26 F '63.

Editor's mail. Okhr. truda i sots. strakh. 5 no. 12:24 D '62.

Editor's mail. Okhr. truda i sots. strakh. 6 no. 2:28 F '63.

Effect of noise from Diesel engines on the auditory function of workers at testing stations. Z. F. Nestrugina, V. F. Rudenko. Vrach. delo no. 11:114-117 N '62.

Effect of physical exercises on intellectual work capacity during the night shift. I. U. K. Dem'ianenko. Teor. i prak. fiz. kul't. 25 no. 12:55-58 D '62.

Follow-up on our articles. Okhr. truda i sots. strakh. 5 no. 12:26 D '62.

Fridland, I. G. [Medical examinations of workers employed under unhealthy working conditions] Meditsinskie osmotry rabotaiushchikh pri vrednykh usloviakh truda. Leningrad, Medgiz, 1963. 299 p. (DNLM)

If everyone had a heart. . . N. Kashutkin, V. Makeev. Okhr. truda i sots. strakh. 5 no. 12:16-17 D '62.

Motion pictures and industrial hygiene. N. Aksekov. Okhr. truda i sots. strakh. 5 no. 12:22 D '62.

New upsurge in trade-union work! Okhr. truda i sots. strakh. 6 no. 2:1-2 F '63.

Rate of exercises during the intermission for physical culture. A. M. Gorchakov. Teor. i prak. fiz. kul't. 25 no. 12:58-60 D '62.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulations SN 215-62 for accident prevention and industrial hygiene at enterprises manufacturing asbestos-cement products] Pravila tekhniki bezopasnosti i proizvodstvennoi sanitarii na predpriatiakh po proizvodstvu asbestotsementnykh izdelii. Moskva, Gosstroizdat, 1962.

They struggle for workers' health. Okhr. truda i sots. strakh. 6 no. 2:15-17 F '63.

Workers of cooperative societies should have excellent work conditions. G. Polinkin. Koop. Kazakh. 5 no. 10:42-43 O '62.

You are working in a hot workshop. . . M. Khromchenko. Sov. profsoiuzy 19 no. 2:31 Ja '63.

INDUSTRIAL HYGIENE—PERIODICALS

At readers' conferences. Okhr. truda i sots. strakh. 5 no. 12:25 D '62.

INDUSTRIAL HYGIENE—RESEARCH

Is this the way to answer criticism? Okhr. truda i sots. strakh. 6 no. 2:31 F '63.

INDUSTRIAL HYGIENE—STUDY AND TEACHING

Students should have a thorough knowledge of industrial hygiene. A. Rivlis. Prof. -tekh. obr. 19 no. 11:20 N '62.

INDUSTRIAL LAWS AND LEGISLATION

"Organization of government-owned industry in the U.S.S.R." by A. V. Venediktov. Vols. 1-2. Reviewed by G. Matvelev. Rad. pravo no. 1:148-149 Ja-F '63.

INDUSTRIAL MANAGEMENT

(see also subdivision under Astrakhan; Baku; Bobruysk; Chirchikent Province; Dzhirgatal District; Europe, Eastern; Grodno Province; Ivanovo Province; Kalinin Province; Karaganda Economic region; Kazakhstan; Leningrad Province; Lithuania; Samarkand; Sverdlovsk; Tatar A. S. S. R.; Tula Province; Uzbekistan; Verkhnedneprovsk District; Virgin Territory; Volgograd; Volgograd Province)

Boltsov, V. V. [Mechanization and automation in small-to medium production] Mekhanizatsiia i avtomatizatsiia v molkosel'nom proizvodstve. Moskva, Mashgiz, 1962. 435 p.

Coefficient of equipment utilization. A. Motylev. Sov. profsoiuzy 19 no. 4:18-20 F '63.

The communist labor movement and utilization of the hidden potentialities of production. A. Sergeev. Sots. trud 8 no. 2:3-11 F '63.

A conference on working conditions in industrial enterprises. Sots. trud 7 no. 6:149-150 Je '62.

Determining economically advantageous schedules for the replacement of equipment. V. V. Fedorov. Tekst. prom. 23 no. 1:6-9 Ja '63.

Dispatcher system of production control. I. A. M. Movshovich. Leh. prom. no. 3:84-85 Je-Ag '62.

Economic substantiation of dimensional series for pinion billets. V. Sh. Pevzner. Vest. mashinost. 43 no. 1:82-90 Ja '63.

End of the amateurish work methods. G. Baskin. Mest. prom. i khud. promys. 3 no. 12:28 D '62.

Experience is a source of occupational skill and proficiency. A. Baranov, A. Kodyrov, L. Kozlov. Kommunist 39 no. 5:55-61 Mr '63.

From the editor's mail. Sots. trud 8 no. 2:128-132 F '63.

Main trends in the analysis of reports and balances for 1962. N. Malakhov, S. Riumin. Fin. SSSR 37 no. 2:18-24 F '63.

Malakhov, I. K. [Case problems on the fundamentals of the organization of an industrial enterprise; for accountants] Sbornik zadach po osnovam organizatsii promyshlennogo predpriiatiia; uchebnoe posobie dlia kursov podgotovki i povysheniia kvalifikatsii bukhgaltarov promyshlennosti. Moskva, Ekonomizdat, 1962. 115 p. The management of production is the concern of all workers. M. Mitrokhin, P. Pavlov. Polit. samobor. 6 no. 10:101-112 O '62.

Material incentives and planning in the U.S.S.R. S. Strumilin. Plan. khoz. 40 no. 3:22-30 Mr '63.

Over-all mechanization of the processing of information for the management of industrial enterprises. F. L. Uayskin. Mekh. i avtom. proizv. 17 no. 2:45-50 F '63.

Pereslegin, V. I. [Regime of economy during the period of the building of communism] Rezhim ekonomii v period stroitel'stva kommunizma. Moskva, Gosfinizdat, 1962. 86 p.

Saving working time is an economic law of communism. V. Tol'nov. Sots. trud 7 no. 12:39-46 D '62.

Use labor intensity indices as the base for planning work in an enterprise. V. Danilevich, N. Krivtsov, P. Rozhin. Sots. trud 8 no. 2:87-97 F '63.

Ways to eliminate the surplus stocks of material and equipment. M. Pessel'. Den. i krad. 21 no. 1:35-24 Ja '63.

We should economize raw materials and develop the national resources of the Soviet State. Kommunist 39 no. 5:31-39 Mr '63.

We should improve the planning of working capital. M. Kriventsev, B. Iakerson. Komm. Mold. 7 no. 5:34-41 My '62.

Work of the bureau of economic analysis staffed with volunteers. F. Batalov, N. Shipaev, Z. Pautova. Khleb. i kond. prom. 7 no. 1:21 Ja '63.

Working capital in industrial enterprises. S. Vorkunov. Agitator no. 5:52-55 Mr '63.

INDUSTRIAL MANAGEMENT—BIBLIOGRAPHY see Bibliography—Industrial management

INDUSTRIAL MANAGEMENT—RESEARCH

From the history of the Institute of Management. L. L. Baskina. Trudy MGAI 16:113-131 '61.

INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

For the thematic sequence. S. V. Molisev. Vest. vyz. shkoly 21 no. 2:32-35 F '63.

INDUSTRIAL MEDICINE see Medicine, Industrial

INDUSTRIAL MICROBIOLOGY

Present-day microbiology and the national economy. A. Imshenetskii. Kommunist 39 no. 5:62-71 Mr '63.

INDUSTRIAL ORGANIZATION

(see also subdivision under Alma-Ata Province; Armenia; Bogatyye Saby District; Kazakhstan; Leningrad Province; Moldavia; Siberia, Western; Uzbekistan)

Along Lenin's path toward the rapid development of Soviet culture and the national economy of the Soviet state! Obshchestv. nauki v Uz. 6 no. 12:5-6 '62.

Along Lenin's well-established road toward the triumph of communism! Kamn. Uz. 34 no. 12:10-16 D '62.

Designs and deeds; review of letters. Mest. prom. i khud. promys. 3 no. 1:28-29 Ja '63.

Development of the Soviet national economy and reorganization of its guidance by the party; decision of the plenary session of the Central Committee of the CPSU based on the report of Comrade N. S. Khrushchev, November 23, 1962. Komm. Uz. 34 no. 12:3-9 D '62.

Enterprise branches and specialization. V. Lavrent'ev. Plan. khoz. 40 no. 3:67-70 Mr '63.

For a thorough working out of administrative problems. A. Birman. Plan. khoz. 40 no. 3:11-21 Mr '63.

Investigating the organization of industrial processes at the "Zaporozhtal" Plant. E. E. Hermant. Stal' 23 no. 1:90-94 Ja '63.

Make wider use of the advantages of the concentration and specialization of enterprises. V. I. Kamenetskii. Tekst. prom. 23 no. 1:35-37 Ja '63.

The militant program of operations. Sov. profsoiuzy 19 no. 2:1-3 Ja '63.

One of the means to increase the profitability of enterprises is a combination of production. S. A. Orlov. Koms. i ov. prom. 18 no. 1:27-28 Ja '63.

"Organization of government-owned industry in the U.S.S.R." by A. V. Venediktov. Vols. 1-2. Reviewed by G. Matvelev. Rad. pravo no. 1:148-149 Ja-F '63.

Putting into practice the resolutions of the November Plenum of the Central Committee of the CPSU. Spirt. prom. 29 no. 1:1-3 '63.

The size of industrial enterprises and labor productivity. P. Khromov. Vop. ekon. no. 1:29-39 Ja '63.

Specialization and the structure of enterprises. R. Vlasov. Plan. khoz. 40 no. 3:71-76 Mr '63.

Thanks to specialization. E. Botvink. Mest. prom. i khud. promys. 3 no. 12:24-25 D '62.

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PLANTS

(see also subdivision under Saratov Province; Ukraine)

Construction of industrial enterprises by specialized administrations. L. Ankudinov, P. Prudnev. Na stroit. Ros. 3 no. 2:2-4 F '62.

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Calculations for the combined assembly of structural elements and technological equipment [with summary in English, p. 70]. O. B. Bilostotskii. Visnyk ABIA URSR no. 3:33-37 '62.

INDUSTRIAL PROCUREMENT

(see also subdivision under Ukraine; Uzbekistan)

Urgent economic task. M. Lashko. Fin. SSSR 37 no. 2:41-44 F '63.

INDUSTRIAL RECREATION

The clock has struck the hour of rest. G. Volina. Klub 12 no. 1:12-13 Ja '63.

- INDUSTRIAL REPORTS**
Accounts of local governmental agencies and business enterprises as a source of Russian history. L. M. Drobizheva. Ist. arkh. 8 no. 6:137-148 N-D '62.
- INDUSTRIAL RESEARCH** see Research, Industrial
- INDUSTRIAL SAFETY**
(see also subdivision under Kazakhstan)
Consultation. Bezop. truda v prom. 6 no. 11:34 N '62.
Consultations. Bezop. truda v prom. 7 no. 1:36 Ja '63.
Consultations. Bezop. truda v prom. 7 no. 2:33-34 F '63.
For critical comments. I. I. Demchenko and others. Bezop. truda v prom. 7 no. 2:32 F '63.
Great upswing. Bezop. truda v prom. 6 no. 11:1-2 N '62.
Labor safety is a national responsibility. N. Makartsev and others. Mest. prom. i khud. promys. 4 no. 2:27 F '63.
Make wider use of the practice of advanced workers. Bezop. truda v prom. 7 no. 2:1 F '63.
New books. Bezop. truda v prom. 6 no. 11:39 N '62.
Readers' letters. Bezop. truda v prom. 6 no. 11:35 N '62.
Readers' letters. Bezop. truda v prom. 7 no. 1:37-38 Ja '63.
Return to Lenin's principles of inspection. Bezop. truda v prom. 7 no. 1:1-2 Ja '63.
- INDUSTRIAL SAFETY—BIBLIOGRAPHY** see Bibliography—Industrial safety
- INDUSTRIAL SAFETY—LAW AND LEGISLATION**
Russia (1917- R. S. F. S. R.) Gosudarstvennyi komitet po delam mestnoi promyshlennosti i khudozhestvennykh promyslov. [Regulations on safety engineering and factory sanitation for meat and poultry processing plants, and glue and gelatin manufacturing enterprises] Pravila po tekhnike bezopasnosti i promyshlenoi sanitarii dlia masopererabatyvalushchikh pitsepererabatyvalushchikh i kleshebelatnykh predpriatii. Moskva, Gosmestpromizdat, 1962, 263 p.
Zheltoy, V. V. [Industrial safety and liability for the violation of labor laws] Okhrana truda i otvetstvennost' za narusheniye trudovogo zakonodatel'stva. Pod obshchey red. I. A. Smirnova. Leningrad, Leningradskii dom nauchno-tekhn. propagandy, 1962, 22 p. (Bibliotekha stroitel'sta po tekhnike bezopasnosti, no. 16)
- INDUSTRIAL STATISTICS**
Preferential growth of the production of the means of production and developing the production of consumer goods. L. Volodarskii. Vest. stat. no. 2:3-13 '63.
"Statistics of an industrial enterprise." Edited by G. I. Baklanov. Reviewed by M. Leshchinskii. Vest. stat. no. 1:73-79 '63.
- INDUSTRIAL STATISTICS—CONGRESSES**
Conference on industrial statistics at the Central Statistical Administration of the U. S. S. R. V. Moskovskina, F. Lenskaya, N. Suzdal'sev. Vest. stat. no. 2:86-89 '63.
- INDUSTRIAL TRUSTS** see Trusts, Industrial
- INDUSTRIAL WASTES**
(see also subdivision under Estonia)
Decontamination of wastes from acetic acid manufacture with a simultaneous production of building materials. V. I. Akodus, I. E. Gergert, A. V. Kuranova. Gidroliz. i lesokhim. prom. 16 no. 1:16-19 '63.
Make industrial wastes available to agriculture. A. Leskov. Plan. khoz. 40 no. 3:59-62 Mr '63.
- INDUSTRIALIZATION**
Lenin's guiding principles in the development of the national economy. Zav. lab. 29 no. 1:3-4 '63.
- INDUSTRIES, LOCATION OF**
(see also subdivision under Hungary; Siberia, Eastern)
In the Council for the Study of Productive Resources attached to the State Planning Committee of the U. S. S. R. N. Utenkov. Vop. ekon. no. 1:158-160 Ja '63.
Industrial complexes and their role in the territorial organization of production and distribution of population. F. M. Listengurt. Izv. AN SSSR, Ser. geog. no. 1: 50-57 Ja-F '63.
- INDUSTRY—ABSTRACTS**
[Economics of industry] Ref. sbor.: Ekon. prom. no. 2 F '62.
- INDUSTRY—DICTIONARIES**
"Economics encyclopedia: industry and construction. Vol. 1." Reviewed by T. Khachaturov. Kommunist 39 no. 5:127-128 Mr '63.
- INDUSTRY AND ART** see Art and industry
- INEQUALITIES (MATHEMATICS)**
Energy inequalities for elliptic operators with discontinuous coefficients, for general boundary conditions and conditions of conjugation. I. A. A. Rottberg, Z. G. Sheftel'. Dokl. AN SSSR 149 no. 3:531-533 Ja '63.
- INERTIAL NAVIGATION**
Stabilized platform for inertial navigation systems. Inform. sbor. TSNIIMF no. 60. Sudovozh. i sviaz' no. 15: 81-82 '61.
- INERTIAL NAVIGATION (AERONAUTICS)**
Absolute acceleration of the sensing element of a navigational inertial system. I. I. Pomykaev. Trudy MAI no. 147:5-21 '62.
Theory of combined navigational systems. A. S. Semenov. Trudy MAI no. 147:35-44 '62.
- INFANTILE PARALYSIS** see Poliomyelitis
- INFANTS—DISEASES**
Atresia of the biliary tract in infants [with summary in English]. M. N. Stepanova, V. K. Odinkova. Vest. khir. 89 no. 11:100-107 N '62.
Special form of suppurative inflammation of the middle ear caused by BCG vaccine in nursing infants [with summary in English]. I. A. Lifshits, Zhur. ush., nos, i gorl. bol. 22 no. 4:61-64 Ji-Ag '62.
- INFANTS (NEWBORN)**
Effect of royal jelly preparation in increasing lactation in puerperas and on the weight recovery of newborn infants. V. L. TSveer. Inform. bliz. o mat. moloch. no. 3: 85-108 '62.
- INFECTIOUS ANEMIA**
"Water fever in man and leptospirosis in cattle" by M. V. Zemskov. Reviewed by M. A. Musaev. Veterinariia 38 no. 10:90-91 O '61.
- INFLAMMATION**
Treatment of a reactive inflammatory process in closed injuries to the knee joint. B. I. Simenach. Khir. khir. no. 12:33-37 D '62.
- INFLUENZA**
(see also subdivision under Leningrad)
Clinical characteristics of pneumonia during the 1959 influenza epidemic. M. Z. Rozin. Vrach. delo no. 11: 136-137 N '62.
Course of influenza during the 1959 epidemic. A. A. Pekar'. Vrach. delo no. 11:95-98 N '62.
Influenza in ducklings. E. M. Kozhevnikov. A. A. Bobrov. Veterinariia 38 no. 10:48-50 O '61.
Possibility of sensitizing human beings with an anti-influenza serum through its introduction into the upper respiratory tract. L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 17:118-126 '58.
Study of the sensitizing properties of a serum against influenza in an experiment on animals. L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 17:103-117 '58.
- INFLUENZA—MICROBIOLOGY**
(see also subdivision under Leningrad)
Analysis of an outbreak of influenza caused by a mixed culture of virus types A₁ and C. E. A. Fridman, E. S. Stenina. Trudy Len. inst. epid. i mikrobiol. 17:30-35 '58.
Characteristics of the virological diagnosis of influenza in 1961. M. G. Gaidamaka, I. P. Fedorets, A. S. Dromashko. Vrach. delo no. 11:134-136 N '62.
Effect of human saliva on the inhibitory activity of some substrates and the virus adsorbing capacity of the erythrocytes. E. A. Fridman. Trudy Len. inst. epid. i mikrobiol. 17:13-19 '58.
Parainfluenza viruses; survey of literature. A. A. Smorodintsev. Trudy Len. inst. epid. i mikrobiol. 22:157-165 '61.
Reproduction of the influenza virus in the upper respiratory tracts of white mice. L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 17:93-102 '58.
- INFLUENZA—PREVENTIVE INOCULATION**
Immunological evaluation of the effectiveness of anti-influenza vaccination in 1959-1959. E. A. Fridman and others. Trudy Len. inst. epid. i mikrobiol. 22: 148-156 '61.
Prophylactic and therapeutic action of anti-influenza serum in an experiment on white mice. L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 18:34-47 '58.
Prophylactic and therapeutic action of anti-influenza serum on models from the vaccinal infection of people inoculated with a live anti-influenza vaccine. L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 19: 54-66 '59.
- INFORMATION SERVICES—ABSTRACTS**
[Scientific and technical information] Ref. zhur.: Nauch. i tekhn. inform. nos. 1-2 Ja-Mr '63.
- INFORMATION STORAGE AND RETRIEVAL SYSTEMS**
Current stability and switching in a superconducting memory. S. I. Berkovich. Radiotekh. i elektron. 8 no. 2:257-261 F '63.
Over-all mechanization of the processing of information for the management of industrial enterprises. F. L. Usyskin, Mekh. i avtom. proizv. 17 no. 2:45-50 F '63.
- INFORMATION THEORY**
Accuracy limit of the simultaneous evaluation of two parameters of a signal during reception with presence of normal noise. E. I. Kulikov. Radiotekhnika 18 no. 1: 53-60 Ja '63.
- Choice of error coefficients in a special case of a filtration problem [with summary in English]. B. N. Dobzhinskii. Avtom. i telem. 24 no. 2:280-284 F '63.
Concerning the structure of V. A. Kotelnikov's ideal receiver for equally probable signals. IU. V. Khomenduk. Radiotekhnika 18 no. 1:23-29 Ja '63.
Cybernetics and some problems of compensation. O. I. Alekseev. Dokl. APN 6 no. 5:123-128 '62.
Discrimination of a system of signals. Report No. 2; Selective use of information depending upon the code involved. O. K. Tikhonirov. Dokl. APN 6 no. 5:79-82 '62.
Experimental study of the interference rejection of a synchronization system. V. E. Bukhviner. Elektromash. 17 no. 1:3-12 Ja '63.
Information and reflection [with summary in English, pp. 102-183]. B. S. Ukraintsev. Vop. filoz. 17 no. 2: 28-38 '63.
Letter to the editor. A. G. Kisliakov. Izv. vuz. ucheb. zav. radiofiz. 5 no. 6:1247-1248 '62.
On a machine language for geometry and translation algorithms from Russian into this language (to be continued). A. V. Kuznetsov, E. V. Paducheva, N. M. Ermolova. Mash. perev. i prikl. ling. no. 5:3-21 '61.
Some special aspects of the processing of information by man [with summary in English]. A. N. Leonov, E. P. Krinichik. Vop. psikh. no. 6:14-25 N-D '63.
Statistical characteristics of noise resulting from level quantization [with summary in English]. IU. M. Astapov, V. S. Medvedev. Avtom. i telem. 24 no. 2:164-171 F '63.
Stochastic aggregates and problems of information theory [with summary in English]. V. V. Chavchavadze. Trudy Inst. fiz. AN Gruz. SSR 8:277-285 '62.
Unified methods for the transmission of information: the general case. R. I. Dobrushin. Dokl. AN SSSR 149 no. 1:16-19 Mr '63.
Yagve's interesting hypothesis. I. I. Revzin. Mash. perev. i prikl. ling. no. 5:73-80 '61.
- INFRARED RAYS—INDUSTRIAL APPLICATIONS**
Automatic quality control of spot welding by infrared radiation. T. P. Gubenko and others. Svar. proizv. no. 2:25-27 F '63.
Electric infrared heating. P. V. Sharavskii, V. N. TSvetkov. Stroitel'stvo, 25 no. 2:32-33 F '63.
- INFRARED SPECTRUM** see Spectrum, Infrared
- INFUSORIA**
Some data on the effect of urea peroxide on the recovery of Infusoria after irradiation. A. S. Popov. Radiobiologiya 3 no. 1:121-125 '63.
- INGOT MOLDS**
Efficient technology for the founding of large cast iron ingot molds. P. G. Berozin and others. Stal' 23 no. 2: 181-184 F '63.
Use of lightweight ingot molds. G. I. Burylichev, V. P. Kudel'kin, L. G. Saksonov. Metallurg 8 no. 2:21 F '63.
- INGOT MOLDS—COOLING**
Determining the optimum length of time for the cooling of molds after casting. N. P. Troshin, A. K. Makarenko. Stal' 23 no. 2:187-188 F '63.
- INHERITANCE AND SUCCESSION**
Answering our readers' questions. Sov. iust. no. 3:30 F '63.
From the practice of notarial agencies. Sov. iust. no. 3: 32 F '63.
- INHIBITION**
Effect of d. c. on protective inhibition. N. P. Movchan. Dokl. AN SSSR 140 no. 1:213-216 Mr '63.
Inhibition of egg laying in some hen breeds and hybrids [with summary in English]. L. A. Alekseevich. Vest. LGU 18 no. 3:133-139 '63.
Localization of extinctive inhibition. U. G. Gerasimov. Trudy Inst. vyz. nerv. deiat. Ser. fiziol. 7:134-141 '62.
- INJECTIONS, INTRAVENOUS**
Use of intravenous infusions of bismuth carbonate. N. A. Aushev, A. M. Mazurova. Vrach. delo no. 11:147-148 N '62.
- INLAND NAVIGATION**
From the editor's briefcase. Rech. transp. 22 no. 1: 47-49 Ja '63.
Popkov, I. F. [General sailing directions for inland waterways] Obshchaya toisia vnutrennikh vodnykh putei. Izd. 2, dop. i poror. Moskva, Izd-vo "Technol. transport." 1962, 277 p.
- INLAND WATER TRANSPORTATION**
(see also subdivision under Rhine River)
Brief news. Rech. transp. 22 no. 1:52-53 Ja '63.
Methods of establishing transportation lines in mastering the flow of small-batch cargoes. K. Liakhov. Rech. transp. 22 no. 1:14-15 Ja '63.
River transportation of coal is more advantageous than by railroad. L. Pichev. Rech. transp. 22 no. 1:8-10 Ja '63.
River transportation operations to meet new requirements. S. Kuchkin. Rech. transp. 22 no. 1:2-4 Ja '63.

INLAND WATER TRANSPORTATION—BIBLIOGRAPHY
see Bibliography—Inland water transportation

INLAND WATER TRANSPORTATION—COST OF OPERATION

Better use of potentialities and the possibility of planning for technical progress in river transportation. I. Kapello. *Rech. transp.* 22 no. 1:36-37 Ja '63.
Improve the quality of work planning for river transportation vessels. A. Sviridov. *Rech. transp.* 22 no. 1: 16-17 Ja '63.

INLAND WATER TRANSPORTATION—EMPLOYEES
(see also subdivision under Ob' River)

New developments in work organization on the motorship "ST-151." I. U. S. Perevozkin, A. G. Kiselev. *Rech. transp.* 22 no. 1:1 Ja '63.

INPUT-OUTPUT ANALYSIS see Linear programming

INSANE—LAWS AND LEGISLATION

Instruction of the hospitalization of mentally ill persons constituting a public danger. *Prak. sudbenopsikh. ekspert.* no. 6:64-66 '62.

INSCRIPTIONS, KHITAN

Efforts to decipher the Khitan inscriptions (with summary in English, p. 261). V. S. Taskin. *Nar. Az. i Afr.* no. 1: 127-147 '63.

INSCRIPTIONS, RUNIC see subdivision under Khumara

INSCRIPTIONS, TURKIC

Poetry of the Orkhon-Yenisey Turkic (with summary in English, p. 261). I. V. Stebleva. *Nar. Az. i Afr.* no. 1: 148-161 '63.

INSCRIPTIONS, TURKISH see subdivision under Ulanom, Mongolia

INSCRIPTIONS, TURKISH (OLD)

Characteristics of the gerund and forms ending in "-duk" in the language of Turkic runic inscriptions. V. G. Kondrat'ev. *Uch. zap. LGU* no. 305:126-136 '61.

Combinations of words in the Orkhon inscriptions (in Kazakh with summary in Russian). G. Aidarov. *Izv. AN Kazakh. SSR. Ser. filol. i iak.* no. 3:71-73 '62.

Construction of the tsafat and the direct object in the language of Turkic runic inscriptions. V. G. Kondrat'ev. *Uch. zap. LGU* no. 306:88-79 '62.

[Modern and ancient Yenisei] *Sovremennaya i drevnaya Eniseika.* [By] L. A. Baimanov i dr. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 248 p.

INSECT POPULATIONS

Method of catching insects with nets as a means for censusing the species of small grass insects. V. F. Paili. *Sbor. ent. rab.* no. 1:55-61 '62.

INSECT TRAPS

Electric lamp and high-voltage filament for electrocuting flying insects. B. Klimov. *Tekhn. v sel'khoz.* 22 no. 12:122 D '62.

INSECTICIDES

Determination of phosphamide (0,0-dimethyl-S-methylcarbamidomethylidithiophosphate) in air (with summary in English). M. A. Kiseenko. *Zhur. anal. khim.* 17 no. 9:1114-1116 D '62.

Possibility of using polymer materials for prolonging the action of insectocidal. V. V. Petrovskii. *Trudy VIEV* 26:219-227 '62.

Results of testing some new acaricides for controlling the cotton spider mite (in Armenian with summary in Russian). O. M. Mardzhanian and others. *Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR* 5 no. 11:41-47 '62.

INSECTS

(see also subdivision under Ukraine)

Comparative study of the nucleotide composition of micro-somal and soluble RNA in insects. N. A. Gumilevskaya, N. M. Sisekhan. *Dokl. AN SSSR* 149 no. 1:198-201 Mr '63.

Khalilman, I. A. [Password of crossed antennas] *Parol' skreshchennykh antenn.* Moskva, Delgtz, 1962. 413 p.

INSECTS—ANATOMY

Some data on the structure of the cuticle in ixodid ticks. M. F. Sosnina. *Uch. zap. Kaz. un.* 120 no. 6:88-95 '60.

INSECTS—DEVELOPMENT

Study on the effect of ionizing radiation on the development of insects. V. F. Paili, G. G. Il'kovskii. *Sbor. ent. rab.* no. 1:70-79 '62.

INSECTS—FOOD

Grinfel'd, E. K. [Origin of anthropophilous habits in insects] *Protskhozhdienie antofilii u nasekomykh.* [Leningrad] Izd-vo Leningrad. univ., 1962. 186 p.

INSECTS—PHYSIOLOGY

Resistance of insects to ultralow temperatures. L. K. Lozina-Lozinskii. *Dokl. AN SSSR* 147 no. 5:1247-1249 D '62.

INSECTS, INJURIOUS AND BENEFICIAL

(see also subdivision under Kirghizistan; Siberia)

History of the study of the entomofauna of the common poppy (*Papaver somniferum* L.). L. V. Pek. *Sbor. ent. rab.* no. 1:105-115 '62.

Methods of evaluating the damage done to farm crops by injurious insects. V. F. Paili. *Sbor. ent. rab.* no. 1:62-69 '62.

"Our friends and enemies from the insect world" by A. N. Kalinin. Reviewed by A. A. Akhontov. *Biol. v shkole* no. 5:95 S-O '62.

INSTRUMENT MANUFACTURE

[Manual for engineers in the instrument industry] *Spravochnik tekhnologa-priborostroitelia.* Pod red. A. N. Malova. Moskva, Mashgtz, 1962. 988 p.

INSTRUMENT MANUFACTURE—DESIGN AND CONSTRUCTION

Timofeeva, Z. A., and P. I. Khrenkov. [Rolling of thin and narrow micron-section bands] *Prokat tonkikh i uzkiikh lent mikronnykh sechenii.* Leningrad, 1961. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Omen periodovym opytom. Seriya: Priboi i elementy avtomatiki, no. 11)

INSTRUMENTS—BIBLIOGRAPHY see Bibliography—Instruments

INSTRUMENTS, ELECTRIC see Electric instruments

INSTRUMENTS, ELECTRONIC see Electronic instruments

INSTRUMENTS, METEOROLOGICAL see Meteorological instruments

INSULATING MATERIALS

Insulating materials for layered exterior elements of buildings. B. Kaufman and others. *Zhil. stroi.* no. 1: 10-12 '63.

Mofoterm is a foamy insulating material. M. Kuchař. *Stroi. mat.* 9 no. 2:37-38 F '63.

Nonautoclaved, insulating, foamed concrete made with phosphorus slag. I. S. Limanskaya. *Stroi. mat.* 9 no. 2:25-26 F '63.

Obtaining insulating air-entrained silicate using barchan sand. K. L. Ovchinskii. *Stroi. mat.* 9 no. 2:23-24 F '63.

Use of soil as insulation in lightweight brick walls. S. Vlasov. *Sol. stroi.* 15 no. 3:25-26 Mr '60.

Using the VMS-111 machine for cutting rolled materials. A. A. Balakin. *Mont. i spets. rab. v stroi.* 25 no. 3:25 Mr '63.

INSULATING OILS

Gas-proof features of transformer oils in an electric field. R. A. Lipshstein, E. N. Shtern. *Vest. elektroprom.* 34 no. 2:40-45 F '63.

INSULATION (ELECTRIC) see Electric insulators and insulation

INSULATION (HEAT)

Critical diameter of a spherical heat insulator (with summary in English). E. A. Sidorov. *Inzh.-fiz. zhur.* 6 no. 2:131-132 F '63.

Effect of heat insulation of education pipes on pressure losses. R. A. Ramazanova. *Azerb. nef. khoz.* 41 no. 3:24-25 My '62.

Shtrom, V. V. [Machinery and equipment for the production of thermal-insulating building materials and elements] *Mashiny i oborudovanie dlia proizvodstva teploizolatsionnykh stroitel'nykh materialov i izdelii.* Moskva, Mashgtz, 1962. 133 p.

Temperature of heated surfaces and livability conditions of engine rooms in seagoing motorships. A. P. Voronkovskaya and others. *Sudostroenie* 29 no. 2:18-22 F '63.

Zhukovskii, K. I. A. [Heat insulation of ships] *Sudovaya teploizolatsiia.* Izd. 2, perer. i dop. Leningrad, Sudpromgtz, 1962. 404 p.

INSULATION (HEAT)—EQUIPMENT AND SUPPLIES

The IM-17 machine for the insulation of pipes. N. P. Shagov. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:16-18 '63.

Machine for insulating medium-diameter pipes with adhesive polymer bands. N. P. Shagov, V. A. Spirin. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:18-20 '63.

INSULATION (HEAT)—TECHNOLOGICAL INNOVATIONS

Boroznina, A. A., and others. [Economic effectiveness of the introduction of new techniques in heat insulating operations] *Ekonomicheskaya effektivnost' vnedreniya novykh tekhniki v proizvodstvo teploizolatsionnykh rabot; opyt tresta Stroitermopolzatsiia.* Moskva, Gosstroizdat, 1962. 86 p.

INSULIN

Comparative determination of glomerular filtration in dogs by means of the inulin and creatinine methods. G. D. Ankin, E. B. Berkhin. *Fiziol. zhur.* 48 no. 12: 1484-1487 D '62.

Treatment of poorly healing wounds with an insulin-vitamin mixture. I. V. Startsev. *Nauch. trudy Chetv. Mosk. gor. klin. gos. un.* no. 1:190-195 '61.

INSURANCE, SOCIAL

(see also subdivision under Bashkiria)

Basic problems of social insurance. *Okhr. truda i sots. strakh.* 6 no. 2:28-30 F '63.

Changes in legislation. *Okhr. truda i sots. strakh.* 8 no. 2:43 F '63.

Guaranteed amount of payments in cases of temporary disability. N. Efremova. *Okhr. truda i sots. strakh.* 5 no. 12:38 D '62.

Lenin's program of social insurance. B. D. Petrov. *Zdrav. Ros. Feder.* 7 no. 1:10-13 Ja '63.

Payments to working invalids. V. Vlasovskaya. *Okhr. truda i sots. strakh.* 6 no. 2:42-43 F '63.

Struggle for industrial hygiene and economic efficiency. A. Vlasov, L. Podatnova. *Okhr. truda i sots. strakh.* 6 no. 2:6-7 F '63.

INSURANCE, SOCIAL—ACCOUNTING

Cases in which social insurance disbursements are not accepted for the record. K. Batygin. *Okhr. truda i sots. strakh.* 6 no. 2:41-42 F '63.

INTAKES (HYDRAULIC ENGINEERING)

Calculations for filter lowering of the water level using radial intakes. V. M. Shestakov. *Osn. i fund. i mekh. grup.* 4 no. 1:23-25 '62.

Characteristics of currents in screen chambers of water intakes with frontal delivery of water to the screens. K. F. Khimichik. *Vod. i san. tekhn.* no. 1: 3-7 Ja '63.

Functioning of intake bores in conditions of irregular movement of groundwater. G. A. Razumov. *Vod. i san. tekhn.* no. 1:8-10 Ja '63.

Suction line attached to pumps for taking in liquid from small troughs and channels. G. Ivanushin. *Zhil.-kom. khoz.* 12 no. 10:29-30 O '62.

INTEGRAL EQUATIONS

On certain nonlinear problems having several solutions. M. A. Krasnosel'skii, V. A. Stetsenko. *Sib. mat. zhur.* 4 no. 1:129-137 Ja-F '63.

"Singular integral equations; boundary value problems in the theory of functions and some of their applications in mathematical physics" by N. I. Muskhelishvili. Reviewed by T. D. Gakhov. *Zhur. vych. mat. i mat. fiz.* 3 no. 1:205-207 Ja-F '63.

Solving Volterra second-order integral equations by analog computers (with summary in English). A. F. Verian'. *Dop. AN URSSR* no. 12:1560-1570 '62.

INTEGRALS

Generalized Cauchy formula for axially symmetric fields. I. I. Daniluk. *Sib. mat. zhur.* 4 no. 1:48-55 Ja-F '63.

Method of group integrals in problems involving scattering. O. A. Germogenova. *Dokl. AN SSSR* 149 no. 1:76-79 Mr '63.

INTEGRALS, GENERALIZED

Property of A-integrable functions. I. L. Bondi. *Usp. mat. nauk* 18 no. 1:145-150 Ja-F '63.

Relationship between a D-integral and totalization (T_{2a}) V. A. Skvortsov. *Vest. Mosk. un. Ser. I. Mat., mekh.* no. 6:20-25 N-D '62.

Wiener integrals. I. M. Koval'chik. *Usp. mat. nauk* 18 no. 1:97-134 Ja-F '63.

INTEGRALS, MULTIPLE

On certain classes of double singular integrals. L. G. Labeker, A. D. Gudzhev. *Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk* no. 4:37-54 '62.

Tables for calculating multiple integrals by the method of optimal coefficients. A. I. Saitykov. *Zhur. vych. mat. i mat. fiz.* 3 no. 1:181-186 Ja-F '63.

INTEGRALDIFFERENTIAL EQUATIONS

Solving Cauchy's problem for linear integrodifferential equations. I. S. Arzhanykh, L. E. Krivosheina. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk* 6 no. 6:7-16 '62.

INTERCHANGEABLE MECHANISMS

Easily available and economical. S. Semichkin. *Mest. prom. i khud. promys.* 3 no. 1:23-24 Ja '63.

INTERFERENCE (SOUND)—EXPERIMENTS

Demonstrating the interference of sound. B. I. Mirgorodskii, I. U. T. Stetsenko. *Fiz. v shkole* 22 no. 6:50-51 N-D '62.

INTERFEROMETER

Comparison of the sensitivity of a single-beam and multi-beam interferometer for the measurement of small changes in the refractive index. I. V. Skokov. *Vest. Mosk. un. Ser. 3. Fiz., astron.* 17 no. 2:82-87 Mr-Apr '62.

INTERFEROMETRY

Interference measurement of hatched line standards. M. L. Brzhezinskii. *Izm. tekhn.* no. 2:16-18 F '63.

Interference method for measuring thread elements. V. P. Koronkevich, L. I. A. Gustyri, A. N. Rozuvayev. *Izm. tekhn.* no. 2:8-14 F '63.

Some possibilities for using light interference for measuring linear values in dynamics. B. S. Davydov. *Izm. tekhn.* no. 1:21-22 Ja '63.

INTERIOR DECORATION

Assembled from racks. V. Savitskii. *Kul't.-pros. rab.* 23 no. 8:49-50 Ag '62.

INTERMAXILLARY BONES

Case of the absence of the incisive bone and the incomplete development of the cheekbone arch in a Rhesus monkey (*Macaca rhesus*). B. A. Nikituk. *Vop. antr.* no. 10:134-138 '62.

INTERMETALLIC COMPOUNDS

Systematics of the structural types of intermetallic compounds. P. I. Kipinovich. Zhur. strukt. khim. 4 no. 1:117-136 Ja-F '63.

INTERNAL CONVERSION (NUCLEAR PHYSICS)

Conversion electron spectrum of Tc^{95} and Tc^{96} . B. S. Dzhelepov and others. Izv. AN SSSR. Ser. fiz. 27 no. 2: 172-176 F '63.

Conversion electron spectrum of the cerium fraction. B. S. Dzhelepov and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:204-210 F '63.

Conversion electrons emitted by Lu^{173} , Lu^{174} in the energy range 540-1450 Kev. V. A. Balalaev and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:200-203 F '63.

Internal conversion with pair formation in Ag^{108} . N. B. Badalov and others. Izv. AN SSSR. Ser. fiz. 27 no. 2: 260-262 F '63.

Internal conversion with pair formation in Br^{82} decay. N. B. Badalov and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:258-259 F '63.

Study of the internal conversion electron spectrum of Eu^{147} . O. D. Kovrigina and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:263-266 F '63.

INTERNAL FIXATION IN FRACTURES

Intraosseous fixation in tubular bone fractures with a pin made from a cow's horn [in Georgian with summary in Russian]. L. M. Tkeshelashvili. Trudy Tbil. GIDUV 6:397-405 '62.

Intraosseous fixation with a metal rod [in Georgian with summary in Russian]. L. I. Beria. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:337-345 '62.

Technique for intramedullary fixation of clavicle fractures with a steel pin. A. N. Berkutov, S. I. Ilenkov. Klin. khir. no. 12:30-33 D '62.

INTERNAL FRICTION

Complex ferromagnetic materials with strong internal friction. B. F. Rothenstein, A. P. Munteanu, A. F. Sir. Metalloved. i term. obr. met. no. 1:12-15 Ja '63.

Effect of heat treatment on the internal friction of ShKh15 steel. I. U. K. Faystov. Metalloved. i term. obr. met. no. 1:16-19 Ja '63.

Internal friction in hardened steel. M. A. Krihtal, S. A. Golovin. Fiz. met. i metalloved. 14 no. 6:914-916 D '62.

Internal friction produced by the diffusion of nitrogen atoms in a field of elastic stresses in γ -solid solutions of iron alloys. V. D. Verner. Fiz. met. i metalloved. 14 no. 6:880-889 D '62.

Investigating cold-rolled transformer steel by the internal friction method. M. I. Balzaitov, V. E. Kochnov. Fiz. met. i metalloved. 15 no. 1:113-118 Ja '63.

INTERNATIONAL COMPETITION see Competition, International

INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS

Session of the International Council of Scientific Unions. V. S. Vereshchetin. Vest. AN SSSR 33 no. 2:100-101 F '63.

Vereshchetin, V. S., and E. D. Lebedkina. [International Council of Scientific Unions] Mezhdunarodnyi sovet nauchnykh soluzov (MSNS). S predisi. V. A. Engel'gardta. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962, 125 p. (Mezhdunarodnye organizatsii)

INTERNATIONAL EDUCATION

Club of international friendship. A. K. Zhamaltdinov. Vech. sred. shkola 5 no. 5:20-24 S-O '62.

INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958

Most international science. Sov. Soluz. no. 3:53 '63. "Our unknown planet; results of the International Geophysical Year" by B. I. Shkin, V. A. Troitskaya, N. V. Shebalin. Reviewed by A. P. Kapitsa. Priroda 52 no. 2:121-123 '63.

INTERNATIONAL LAW—YEARBOOKS

[Soviet yearbook of international law, 1961] Sovetskii ezhegodnik mezhdunarodnogo prava 1961. Moskva, Izd-vo Akad. nauk SSSR, 1962, 526 p.

INTERNATIONAL RELATIONS

Brief news. Mir. ekon. i mezhdunar. otn. no. 1:105-106 '63.

INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

INTERNATIONALISM

We should thoroughly study archival materials concerning the international solidarity of the proletariat. L. I. Iakovlev. Vop. arkh. 7 no. 3:25-31 Ji-S '62.

INTERPERSONAL RELATIONS

Friend, comrade, brother. S. Kosolapov. Agitator no. 6:18-21 Mr '63.

The Soviet character. Agitator no. 5:22 Mr '63.

INTERPLANETARY VOYAGES

"Space era" by Vladimir L'vov. Reviewed by V. Sever'ianova. Vokrug sveta no. 11:61 N '62.

INTERPOLATION

Interpolation on sets of zero measure. A. A. Privalov. Mat. sbor. 60 no. 1:29-38 Ja '63.

Interpolation over random points. S. M. Ermakov. Zhur. vych. mat. i mat. fiz. 3 no. 1:186-190 Ja-F '63.

Scales of Orlicz spaces and interpolation theorems. I. A. B. Rutitskii. Dokl. AN SSSR 149 no. 1:32-35 Mr '63.

INTESTINAL AND PARASITIC WORMS see Worms, Intestinal and parasitic

INTESTINAL IRRIGATION see Enema

INTESTINES—DISEASES

Barolan, O. V., ed. [Colicenteritis] Kollenterity. Moskva, Medgiz, 1962, 97 p. (DNLM)

Clinical characteristics of colicenteritis and some immunological indices in its prevalence. B. G. Shirvindt and others. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1: 28-39 '61.

Some data on the histopathology of intestines in digestive mycotoxicosis of swine. A. Panov, Sbor. stud. nauch. i ssal. rab. VSKHI 1 no. 1:165-168 '62.

INTESTINES—INNERVATION

Effect of radiation-induced humoral factors on the reflexes from chemoreceptors of intestines. N. A. Lapshin. Radiobiologiya 3 no. 1:63-64 '63.

INTESTINES—INTUSSUSCEPTION

Treatment of intestinal invagination by air inflation [with summary in English]. V. M. Portnoi. Vest. khir. 93-100 N '62.

INTESTINES—MICROBIOLOGY

Microflora of the intestines in elderly persons. E. I. A. Rokhlina. Trudy LIETIN no. 4:48-54 '60.

INTESTINES—OBSTRUCTIONS

Intestinal obstruction caused by impaired intrauterine turn of the "midgut" [with summary in English]. G. A. Burov, N. S. Mankina. Vest. khir. 89 no. 11:81-89 N '62.

Volvulus of the "midgut" in older children [with summary in English]. D. B. Avidon. Vest. khir. 89 no. 11:89-92 N '62.

INTESTINES—SURGERY

Comparative evaluation of a one-row and two-row intestinal suture in an experiment [in Georgian with summary in Russian]. V. G. Kurdovanidze, D. K. Tskhedeliani. Trudy Tbil. GIDUV 6:167-172 '62.

Modification of suspension enterostomy by a rural physician. E. F. Tarbaev. Sov. med. 26 no. 12:112-115 D '62.

Momentary ileocolonic plastics in an extensive resection of the large intestine. V. I. Iukhtin. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:203-218 '61.

Plastic surgery of the large intestine in gastrectomies necessitated by cancer. G. A. Danielian. Vop. rent. i onk. 6:243-248 '61.

Regenerative processes and restoration of functions in regions of interintestinal anastomoses in an experiment. Report No. 1: P. P. Kulik. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:46-56 '58.

INTESTINES—TRANSPLANTATION

Treatment of cicatricial esophagostenosis. L. V. Kirpicheva. Klin. khir. no. 12:42-45 D '62. Using the large intestine in plastic surgery of the cervical part of the esophagus [with summary in English]. V. I. Filin. Vest. khir. 89 no. 11:3-12 N '62.

INTRAOCULAR PRESSURE

Effect of the conditions governing the high-mountain climbing on the intraocular pressure. L. P. Kozlova. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 9:167-172 '62.

Retinal, arterial, and intraocular pressure in carotid cavernous anastomoses. I. P. Dmitrovskaya, F. A. Serbinenko. Probl. sovr. neirokhir. 4:203-211 '62.

INTRATRACHEAL ANESTHESIA

Surface endotracheal anesthesia in serious gynecological operations. V. A. Gologorski, S. I. TSirul'nik. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:174-182 '61.

Use of intubation anesthesia in emergency surgical operations. A. S. Liubskii, V. V. Uvarov. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:219-226 '61.

Use of the new muscle relaxant bromoflin in intratracheal ether-oxygen narcosis. A. T. Vartanian. Vop. rent. i onk. 6:273-278 '61.

INVENTIONS

(see also subdivision under Ukraine)

"Birth and realization of a project" by A. G. Presniakov. Reviewed by R. Kologrivov. Znan. - sila 37 no. 12:42 D '62.

The "dissatisfied" suggest. E. Salimov. Znan. - sila 37 no. 12:10-13 D '62.

Large-scale invention and innovation at a new stage of development. M. Kvethyi. Muk. - elev. prom. 29 no. 11:7-9 N '62.

INVENTORIES

Planning and inventories. TS. Goral'skii. Sov. torg. 35 no. 9:18-21 S '62.

INVENTORS

Creators of hydraulic and steam engines. P. I. Plakeh. Shkola i proizv. 7 no. 1:50-56 Ja '63.

INVERTEBRATES

(see also subdivision under Omega Bay)

Caloric content of the dry matter of aquatic feed invertebrates. A. P. Ostapenko, A. I. Sergeev. Vop. ikht. 3 no. 1:177-183 '63.

INVESTMENTS, BRITISH see subdivision under Canada

INVESTMENTS, FOREIGN see subdivision under Brazil; Congo (Leopoldville)

IOANN, Bishop of Kirov and Slobodsk, 1912-

Nomination and ordination of Archimandrite Ioann (Ivanov). Zhur. Mosk. Patr. no. 1:22-27 Ja '63.

IODIDES

Role of iodide in the process of physical ripening of emulsions. Part 1: Silver iodobromide emulsions without addition of ammonia. K. S. Lialikov, K. M. Ginzburg. Zhur. nauch. i prikl. fot. i kin. 8 no. 1: 29-36 Ja-F '63.

IODINE

Photodissociation of iodine in carbon dioxide solutions under critical conditions [with summary in English]. I. R. Krichevskii, I. U. V. T'Sekhanskaya. Inzh. - fiz. zhur. 5 no. 12:104-107 D '62.

IODINE—PHYSIOLOGICAL EFFECT

Use of iodized sodium chloride in animal husbandry. A. P. Onegov. Veterinarika 37 no. 7:69-71 Ji '60.

IODINE—THERAPEUTIC USE

Intravenous injection of iodine water solutions in actinomycosis. I. A. Goloschchapov, A. Rodionov. Veterinarika 37 no. 7:43 Ji '60.

IODINE COMPOUNDS

Isotopic exchange of iodoso- and iodo compounds with H_2O^{18} . I. P. Gragerov, A. F. Levit. Zhur. ob. khim. 33 no. 2:644 F '63.

IODINE ISOTOPES

Importance of the determination of the thyroid gland function by the method of radioactive indicators in a surgical clinic [in Georgian with summary in Russian]. T. O. Zhvanila, M. G. Gachechiladze, T. N. Dzhabaridze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10: 237-245 '62.

Study of the functional state of the thyroid gland by means of radioactive iodine during radiation therapy for cancer of the larynx and esophagus. G. A. Kazarina. Vop. rent. i onk. 6:211-216 '61.

Use of radioactive iodine in the treatment of thyrotoxicosis. T. P. Sivachenko, V. N. Slavnov. Klin. khir. no. 11:50-62 N '62.

IODOMETRY

Iodometric determination of uranium involving the use of arsenic acid. I. A. Mamedov, A. A. Emirdzhaniyeva. Azerb. neft. khoz. 41 no. 11:40-42 N '62.

IOFFE, ESFIR' MOISEVNA, 1904-1962

Esfir' Moiseevna Ioffe. Radiokhimiya 5 no. 1:144-145 '63.

IOLOTAN—AGRICULTURAL EXPERIMENT STATIONS

Iolotan Plant Breeding Station. V. G. Kulchikov. Trudy Iol. sel. sta. 1:5-14 '61.

ION BEAMS

Methods for the extraction of a beam from a synchrocyclotron. I. U. I. A. Lombr. Usp. fiz. nauk 70 no. 2: 345-367 F '63.

Modelling of intensive ion beam focusing. V. P. Ignatenko. Zhur. tekhn. fiz. 32 no. 12:1433-1437 D '62.

ION EXCHANGE

Dependence of the speed of deposit precipitation on the ionic content of waste waters during their dechlorination by lime, aluminum sulfate, and polyacrylamide. E. B. Kuziakina, A. M. Kaganovskii. TSvet. mol. 35 no. 12:40-42 D '62.

Evaluation of the degree of separation of a mixture of ion exchangers. A. S. Smirnov, E. S. Poremyslova. Plast. massy no. 2:68-69 '63.

Ion exchange in the study of the state of a substance in solution. Part 9: Complex formation of europium with some dibasic acids. V. I. Paramonova, A. S. Korotcheva, A. V. Chizhov. Radiokhimiya 5 no. 1:63-73 '63.

Ion exchange method for the separation of rhenium from molybdenum and other elements. Report No. 3: Ion exchange separation of rhenium from molybdenum, selenium, and tellurium in a strong alkaline medium. M. V. Darbinian, D. S. Gnbakian. Izv. AN Arm. SSR. Khim. nauki 15 no. 0:511-519 '62.

Preparation of carrier-free $Ac^{228}(MeTh_2)$ and $Ra^{226}(MeTh_1)$ by the ion exchange method. E. Briukher. Radiokhimiya 5 no. 1:142-143 '63.

Sorption of uranium (VI) by a strong acid cation exchanger KU-2 from solutions containing hydrofluoric acid. V. S. Pakholkov. Radiokhimiya 5 no. 1:50-62 '63.

ION EXCHANGE (Continued)

Use of cation exchangers in a fluidized bed for the purification of industrial waste waters from zinc ions. A. M. Koganovskii, I. A. M. Zagrai. *TSvet. met.* 35 no. 12:35-40 D '62.
Use of ionites for water desalting. M. Gol', D. Pikh'ner. *Mest. prom. i khud. promys.* 3 no. 12:30-31 D '62.

ION EXCHANGE RESINS

Ion exchange in HF solutions. Group separation of elements by means of ion exchange resins. M. K. Nikitin. *Dokl. AN SSSR* 148 no. 3:595-597 Ja '63.
Recent developments in the synthesis, manufacture and uses of ion exchange polymeric materials. V. S. Titov, A. B. Pashkov. *Khim. prom.* no. 12:912-918 D '62.

IONIC CRYSTALS

State of water molecules in crystal hydrates containing salts of certain elements. S. N. Andreev, T. G. Balicheva. *Dokl. AN SSSR* 148 no. 1:86-88 Ja '63.

IONIZATION

Editor's mail. M. I. Bludov, V. Z. Kresin. *Fiz. v shkole* 22 no. 6:85-87 N-D '62.
[Energies of chemical bond breaking. Ionization potentials and electron affinity] *Enorgii razryva khimicheskikh svyazei. Potentsialy ionizatsii i sredstvo k elektronu; spravochnik.* [By] V. I. Vedenev i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962, 215 p.
Ionization of oxygen over palladium. I. U. A. Mazitov, K. I. Rozental', V. I. Veselovskii. *Dokl. AN SSSR* 148 no. 1:152-155 Ja '63.
Symposium on the molecular mechanisms underlying the biological effect of ionizing radiation. I. U. S. Lazurkin. *Atom. energ.* 14 no. 3:330-332 Mr '63.

IONIZATION OF GASES

Comparison of certain burner arrangements by their ionizing characteristics. M. A. Glinkov, B. G. D'achkov. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:179-184 '63.

IONOSPHERE

Dependence of the measurable parameters of the non-homogeneities of the ionosphere on its perturbability. V. D. Gusev, Li Tszun' [Li Chiung]. *Vest. Mosk. un. Ser. 3. Fiz., astron.* 17 no. 2:46-50 Mr-Apr '62.
Some general characteristics of air movement in the troposphere and lower ionosphere. B. I. Sazonov. *Trudy GGO* no. 133:110-126 '62.

IONOSPHERE—OBSERVATIONS

Československá akademie věd. Geofyzikální ústav. [Results of geomagnetic, telluric, and ionospheric measurements made at the observatories of Prahonice, Pudačov, and Panská vna during 1957] Rezultaty geomagnitnykh telluricheskikh i ionosfernykh izmerenii, provedennykh v observatoriakh Prugonitso, Budakov i Panska vna v 1957 godu. [1. vyd.] Prague, Izd-vo Československoi akad. nauk, 1959, 306 p. (NN)

IONOSPHERIC RADIO WAVE PROPAGATION see subdivision under Arctic regions

IONS

Ion compensation of a space charge of relativistic electron streams. V. P. Ignatenko. *Zhur. tekhn. fiz.* 32 no. 12:1428-1432 D '62.

IONS—MIGRATION AND VELOCITY

Motion of hydrated ions in solutions. A. M. Zaitsova, I. Z. Fisher. *Zhur. strukt. khim.* 4 no. 1:3-9 Ja-F '63.
On the theory of ionic current toward the probe. I. U. M. Kagan, V. I. Perel'. *Zhur. tekhn. fiz.* 32 no. 12:1478-1482 D '62.

IRAN—FOREIGN RELATIONS—GREAT BRITAIN

"British expansion in Iran, 1914-1920" by L. I. Miroshnikov. Reviewed by S. L. Agaev. *Nar. Az. i Afr.* no. 1:230-231 '63.

IRAN—MONEY

Monetary system of the Safavid state during the reign of Ismail II, 1576-1577. A. M. Radzhabli. *Trudy Muzeya ist. Azerb.* 5:77-85 '62.

IRAN—RAILROADS—CONSTRUCTION

The Turkey-Iran railroad. *Transp. stroi.* 12 no. 7:58-59 Ji '62.

IRAN—WAGES

The situation of the workers in Iran. A. Bashkurov. *Az. i Afr. seg.* no. 2:15-28 F '63.

IRAQ—POLITICS AND GOVERNMENT

Black days in Iraq. *Nov. vrem.* 20 no. 12:2-3 Mr '63.

IRBIT—MENINGITIS

Outbreak of serious meningitis in Irbit. L. A. Sorova. *Stor. rab. Sverd. med. inst.* no. 32:80-91 '61.

IRELAND—HISTORY

"The mass movement in England and Ireland in the late 18th and the early 19th century" by E. B. Cherniak. Reviewed by A. I. Molok. *Nov. i noveish. ist.* no. 6: 145-147 '62.

IRIDIUM

Solubilization of metallic Rh and Ir and their alloys. M. Balika, V. I. Baranovskii, M. K. Nikitin. *Zav. lab.* 29 no. 1:95 '63.

IRIS (EYE)

Effect of a tissue extract on the ability of the iris to regenerate the lens in tadpoles of *Rana ridibunda*. I. Korkin. *Dokl. AN SSSR* 149 no. 1:205-206 Mr '63.

IRISH see subdivision under United States

IRKUTSK—ADULT EDUCATION

The Irkutsk universities are in trouble. B. Emol'ianov. *Sov. profsoyuz* 19 no. 5:12-14 Mr '63.

IRKUTSK PROVINCE—BITUMEN—GEOLOGY

Evidence of bitumen in volcanic pipes of the Angara-Chuna region (Ostzyr'skoye iron ore deposit). I. U. I. Pkovskii, A. N. Guseva. *Izv. AN SSSR. Ser. geol.* 28 no. 2:73-78 F '63.

IRKUTSK PROVINCE—BURYATS

"The Iangut-Buryat tribe; historical and ethnographical study" by I. M. Manzhigeev. Reviewed by T. M. Mikhailov. *Etn. sbor.* no. 2:167-171 '61.

IRKUTSK PROVINCE—DAIRY CATTLE BREEDING

Valuable experiment at the Irkutsk Experiment Station. V. I. Orlov. *Zhivotnovodstvo* 23 no. 5:84 My '61.

IRKUTSK PROVINCE—DIAMONDS

Odnizov, M. M., and others. [Structure, volcanism, and diamond potential of the Irkutsk amphitheater] *Struktura, vulkanizm i almazoznosost' Irkutskogo amfiteatra, Moskva, Izd-vo Akad. nauk SSSR, 1962, 170 p. (Akademii nauk SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy, no. 4)*

IRKUTSK PROVINCE—ETHNOLOGY

Activities of the ethnographic detachment. I. E. Tugutov, G. A. Okhrimenko. *Etn. sbor.* no. 2:152-156 '61.

IRKUTSK PROVINCE—GEOLOGY, STRUCTURAL

Odnizov, M. M., and others. [Structure, volcanism, and diamond potential of the Irkutsk amphitheater] *Struktura, vulkanizm i almazoznosost' Irkutskogo amfiteatra, Moskva, Izd-vo Akad. nauk SSSR, 1962, 170 p. (Akademii nauk SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy, no. 4)*

IRKUTSK PROVINCE—PETROLEUM

At the "Cambrian Sea." L. Cherepanov. *Agitator* no. 4: 48-50 F '63.

IRKUTSK PROVINCE—PETROLEUM GEOLOGY

Markovo oil field. V. B. Mazur, A. S. Povyshev. *Geol. nefii i gaza* 9 no. 9:20-32 S '62.

Meet "Irkutia," the petroleum land. I. P. Karasov, E. Fedorovskii. *Vokrug sveta* no. 11:20-29 N '62.

New data on oil and gas potentials of the Irkutsk amphitheater. O. I. Karasov. *Geol. nefii i gaza* 9 no. 9:21-25 S '62.

IRKUTSK PROVINCE—SWEET CLOVER

Sweet clover in Irkutsk Province. P. L. Goncharov. *Zhivotnovodstvo* 23 no. 6:72 Je '61.

IRKUTSK PROVINCE—VOCATIONAL EDUCATION

Regional economic council and technical schools. M. Semenchenko. *Prof.-tekh. obr.* 10 no. 12:7 D '62.

IRKUTSK REGION—BORING

Practice of diamond drilling in the Irkutsk Geological Administration. G. Kh. Bol'shakov, I. U. V. Semenikuk. *Razved. i okh. nedr* 20 no. 1:55-56 Ja '63.

IRKUTSK REGION—PROSPECTING

Introduction of new methods and advanced technology in prospecting operations in the Irkutsk Geological Administration. E. E. Poshinnoi, G. I. Roskin. *Razved. i okh. nedr* 29 no. 1:30-43 Ja '63.

IRON

(see also subdivision under Kraenoye, Lake, Leningrad Province)

Fractionation of a mixture of trivalent iron in the processes of crystallization of ammonium sulfate from aqueous solutions. G. I. Gorsktein, N. N. Titulueva. *Radiohimia* 5 no. 1:11-22 '63.

The R-100 grade powdered carbonyl iron used in radio engineering. V. G. Syrkin. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:9-10 '63.

Shape of the K α emission band of iron. Part 2: Transition probability as a function of energy. I. A. Nikiforov, M. A. Blokhin. *Izv. AN SSSR. Ser. fiz.* 27 no. 3:314-318 Mr '63.

IRON—ANALYSIS

Analytical properties of phenolic acids of the triphenylmethane series. Determination of aluminum and iron in some metals [with summary in English]. I. S. Mustafin, N. F. Lisenko. *Zhur. anal. khim.* 17 no. 9: 1052-1056 D '62.

IRON—HYDROGEN CONTENT

Determining hydrogen solubility in iron in a melting and boiling temperature range. V. I. Lakomskii. *Avtom. svar.* 16 no. 1:36-43 Ja '63.

IRON—METALLOGRAPHY

Characteristic of the self-diffusion of iron depending on its cerium content. A. P. Lihuchenko, D. G. Sherman, G. S. Kuz'minov. *Fiz. met. i metalloved.* 15 no. 1:158-160 Ja '63.

IRON—METALLURGY

Effect of adding hydrogen to carbon oxide on the reduction of sinters with varying physical structure. K. K. Shkodin. *Stal'* 23 no. 2:97-104 F '63.
Effect of basicity on the rate of iron reduction from molten slags by solid carbon. V. V. Kondakov, D. I. Ryzhenkov. *Izv. vys. ucheb. zav.; chem. met.* 6 no. 1:17-21 '63.

IRON ALLOYS

"High-silicon ferroalloys" by I. A. S. Shechdrovitskii. Reviewed by V. A. Kravchenko, A. A. Serebrennikov. *Stal'* 23 no. 1:56-57 Ja '63.

IRON ALLOYS—DEFECTS

Microdefects in diffusion layers of iron alloys. M. A. Kriktal. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1: 111-116 '63.

IRON ALLOYS—ELECTROMETALLURGY

A powerful, closed, ferroalloy furnace has been put into operation. N. M. Dekhanov and others. *Stal'* 23 no. 1:41-44 Ja '63.

IRON ALLOYS—METALLURGY

Introducing automatic control of devices used in proportioning the charge mixture for large ferroalloy furnaces. B. V. Semenovitch, V. L. Mironchenko, A. A. Mosol. *Stal'* 23 no. 1:50-54 Ja '63.

IRON ALLOYS—THERMAL PROPERTIES

Internal friction produced by the diffusion of nitrogen atoms in a field of elastic stresses in γ -solid solutions of iron alloys. V. D. Verner. *Fiz. met. i metalloved.* 14 no. 6:880-889 D '62.

IRON-ALUMINUM-MANGANESE ALLOYS—TESTING

Changes in certain physical properties of the IU14G3 alloy in the process of heating and after tempering. N. Q. Lakhman, B. Q. Livahtis. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:147-152 '63.

IRON AND STEEL BUILDING see Building, Iron and steel

IRON AND STEEL PLANTS

(see also subdivision under Zaporozh'ye)
Brief news, events, and facts. *Metallurg* 8 no. 2:24 F '63.

Technical progress in R. S. F. S. R. ferrous metallurgy plants in 1963. N. Sheftel'. *Metallurg* 8 no. 2:1-2 F '63.

IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES

Use of quartz sands for the ramming of steel pouring ladles. I. U. S. Krivchenko and others. *Metallurg* 8 no. 2:17-20 F '63.

IRON AND STEEL PLANTS—HEATING AND VENTILATION

Designing the heating and ventilation of continuous steel-casting units. *Biul. stroi. tekhn.* 20 no. 2:24-28 F '63.

IRON AND STEEL PLANTS—MANAGEMENT see subdivision under Dneprodzerzhinsk; Zaporozh'ye

IRON AND STEEL PLANTS—SAFETY MEASURES

Provide for work safety in the operation of gas-fired equipment. P. G. Ushakov. *Metallurg* 8 no. 2:13 F '63.

IRON AND STEEL PLANTS—TECHNOLOGICAL INNOVATIONS

Urgent objectives in the mechanization and automation of the iron and steel industry. A. A. Logovatovskii, Mekh. i avtom. prozv. 17 no. 2:18-21 F '63.

IRON AND STEEL PLATES see Plates, Iron and steel

IRON AND STEEL WORKERS

(see also subdivision under Kuznetsk Basin; Zhdanov, Donetsk Province)

Dictated by duty. S. Gol'dberg. *Metallurg* 8 no. 2:14 F '63.

In head of technical progress. M. Borodavkin. *Metallurg* 8 no. 2:37-38 F '63.

Outstanding worker of the seven-year plan. P. Evseev. *Metallurg* 8 no. 2:38 F '63.

IRON AND STEEL WORKERS—EDUCATION AND TRAINING

(see also subdivision under Leningrad; Zaporozh'ye)
School for the foremen of "Zaporozhstal'." N. Gulak. *Prof.-tekh. obr.* 18 no. 12:25-26 D '62.

IRON CARBIDES

Mechanism of the carbide-forming reaction of fused iron catalysts in synthesis using CO and H₂. A. I. A. Rozovskii and others. *Neftekhimii* 3 no. 1:97-103 Ja-F '63.

IRON CATALYSTS

Mechanism of the carbide-forming reaction of fused iron catalysts in synthesis using CO and H₂. A. I. A. Rozovskii and others. *Neftekhimii* 3 no. 1:97-103 Ja-F '63.

IRON-CHROMIUM ALLOYS—METALLURGY

Changes in the composition and structure of chromium ores during their heating and reducing process. A. N. Morozov, S. S. Lisensk, A. M. Belikov. *Stal'* 23 no. 2: 137-139 F '63.

IRON-COBALT ALLOYS

Neutron diffraction examination for determining the temperature dependence of the atomic order in the FeCo alloy [with summary in English]. V. I. Goman'kov and others. *Ukr. fiz. zhur.* 8 no. 2: 266-270 F '63.

Ordering processes and activation energy of the recrystallization of iron-cobalt alloys [with summary in English]. A. A. Gol'denberg, I. A. P. Seifskii. *Ukr. fiz. zhur.* 8 no. 2: 216-218 F '63.

IRON-COBALT-VANADIUM ALLOYS—ELECTRIC PROPERTIES

Kinetics and some regularities of the variation in electric resistance in the ordering of ternary solid solutions of iron-cobalt-vanadium [with summary in English]. D. M. Dzhanov, I. A. P. Seifskii. *Ukr. fiz. zhur.* 8 no. 2: 179-183 F '63.

IRON FOUNDED

Chill casting of trays for ingot molds. V. S. Krasovitskii, E. K. Turchenkova, R. M. Egnus. *Stal'* 23 no. 2: 185-187 F '63.

Efficient technology for the founding of large cast iron ingot molds. P. G. Berezin and others. *Stal'* 23 no. 2: 181-184 F '63.

One of the main reasons for the "heredity" properties of foundry pig iron. L. I. Levi. *Lit. proizv.* no. 7: 27-29 JI '62.

IRON GROUP

X-ray study of transition metals of the iron group. V. V. Nemoshkalenko. *Dokl. AN SSSR* 148 no. 1: 78-81 Ja '63.

IRON HYDROXIDES

Coprecipitation of trivalent chromium with ferric hydroxide [with summary in English]. A. I. Novikov. *Zhur. anal. khim.* 17 no. 9: 1078-1081 D '62.

IRON IN THE BODY

Fluctuations of the iron level in the blood serum of typhoid and paratyphoid patients; a preliminary report. I. Tokhtaeva. *Nauch. trudy uch. i prak. vrach. Uzb.* no. 3: 127-133 '62.

IRON INDUSTRY see subdivision under *Akt'yubinsk*

IRON ISOTOPES

Effect of the iron-59 radioisotope on the activity of arginine from the liver of rats. Kh. K. Kasymov. *Dokl. AN Tadzh. SSR* 3 no. 5: 61-63 '60.

IRON-MANGANESE ALLOYS

Absorption spectra of manganese and iron in alloys and compounds of Al, Si, P, S, and Cl. S. A. Nemmonov, K. M. Kolobova. *Izv. AN SSSR, Ser. fiz.* 27 no. 3: 390-393 Mr '63.

High-temperature melts of binary and pseudobinary systems on the basis of iron and manganese. Zhur. neorg. khim. 7 no. 12: 2778-2781 D '62.

Transformations in the solid state in iron-manganese alloys. E. M. Sokolovskaya, A. T. Grigor'ev, I. U. F. Al-tunin. *Zhur. neorg. khim.* 7 no. 12: 2809-2811 D '62.

IRON-MANGANESE ALLOYS—METALLOGRAPHY

Effect of chromium and nickel on γ - δ transformations in iron-manganese alloys. I. N. Bogachev, L. S. Malinov. *Fiz. met. i metalloved.* 14 no. 6: 828-833 D '62.

IRON MINERS—DISEASES AND HYGIENE see subdivision under *Krivoy Rog Basin*

IRON MINES AND MINING see subdivision under *Kachkanar, Mount; Kerch Peninsula; Krivoy Rog Basin; Kustanay Province*

IRON-NICKEL ALLOYS—ELECTRIC PROPERTIES

Effect of Ni and Si on the physical properties of α -iron. G. M. Fedash, V. I. Surovova. *Fiz. met. i metalloved.* 15 no. 1: 148-150 Ja '63.

IRON-NICKEL ALLOYS—MAGNETIC PROPERTIES

Dependence of Hall constants on temperature and spontaneous magnetization of iron-nickel alloys. N. V. Bazhanova. *Fiz. met. i metalloved.* 15 no. 1: 140-142 Ja '63.

IRON-NICKEL-ALUMINUM ALLOYS

X-ray diffraction study of the initial stage of decomposition of the solid solution in a Fe-Ni-Al alloy. I. U. A. Bagariatskii, I. G. Lukanina. *Dokl. AN SSSR* 148 no. 3: 573-576 Ja '63.

IRON-NICKEL-COBALT ALLOYS—MAGNETIC PROPERTIES

Rate of cooling of "magnico" alloys. E. G. Povolotskii, I. A. M. Dovgalevskii, V. K. Baltina. *Izv. vys. ucheb. zav.; chern. met.* 6 no. 1: 120-124 '63.

IRON ORES

(see also subdivision under *Krivoy Rog Basin; Ural Mountains*)

Belevtsev, I. A. N., G. V. Takhuev, and B. I. Goroshnikov. [Mining geology of iron-ore deposits] *Rudnichnaya geologiya na zhelezorudnykh mestorozhdeniyakh*. Moskva, Gosgeoltekhizdat, 1962, 233 p.

Estimation of the reserves of iron-ore deposits from magnetic survey data. A. M. Polonskii. *Izv. AN SSSR, Ser. geofiz.* no. 1: 141-148 Ja '63.

Luk'ianchikov, A. S. [Gas roasting of iron ores] *Gazovyi obzhig zheleznykh rud*. Kiev, Gostekhtizdat, USSR, 1962, 89 p.

Results of a contest on the complete use of iron ores. I. P. Shafarenko. *Gor. zhur.* no. 2: 75-76 F '63.

IRON PLATING

Melkov, M. P. [Hard iron plating of parts of motor vehicles and tractors] *Tverdoe ostalivanie avtotraktornykh detalei*. Moskva, Avtotransizdat, 1962, 270 p.

IRON SILICIDE

Character of interatomic interactions and the state of internal iron atom electrons in silicides. S. A. Nemmonov, K. M. Kolobova. *Fiz. met. i metalloved.* 14 no. 6: 874-879 D '62.

IRON SILICIDE—THERMAL PROPERTIES

Certain thermophysical characteristics of iron silicides. P. V. Gol'd, R. P. Krentsis. *Fiz. met. i metalloved.* 15 no. 1: 63-71 Ja '63.

IRON SILICIDE CRYSTALS

Effect of the substructure on the creep of iron silicide single crystals. V. M. Rozenberg, A. V. Shalimova. *Dokl. AN SSSR* 148 no. 1: 82-83 Ja '63.

IRON-SILICON ALLOYS—ELECTRIC PROPERTIES

Effect of Ni and Si on the physical properties of α -iron. G. M. Fedash, V. I. Surovova. *Fiz. met. i metalloved.* 15 no. 1: 148-150 Ja '63.

IRON SULFATES

Conditions of the oxidation of ferrous sulfate and of the hydrolysis of the oxidation products in autoclave processes. I. F. Khudjakov, A. V. Khueva, V. I. Smirnov. *Dokl. AN SSSR* 148 no. 3: 654-657 Ja '63.

Prospects for the reconditioning of pickling solutions and use of the iron sulfate in the national economy. E. D. Feinberg. *Stal'* 23 no. 2: 176-180 F '63.

IRON-TUNGSTEN-CHROMIUM ALLOYS

Method of alloying deposited, type R18 metal by carbon and tungsten. V. M. Panovko. *Svar. proizv.* no. 2: 11-14 F '63.

IRONWORKS see *Iron and steel plants*

IRRIGATION

(see also subdivision under *Soviet Central Asia*)

Automatic regulator of the discharge from closed irrigation systems. N. V. Kokala. *Vop. gl'dr.* no. 10: 56-60 '62.

Drainage and irrigation rates for lowland bogs. B. S. Maslov. *Gl'dr. i mel.* 14 no. 1: 31-38 Ja '63.

Effect of water balance conditions on the crop yield and quality of tomato fruits. A. G. Eglazarian, E. O. Tarosova. *Kons. i ov. prom.* 18 no. 1: 24-26 Ja '63.

Principles of the mathematical analysis of water distribution in irrigation canals with proper sluice gates. I. B. Chizh. *Vop. gl'dr.* no. 10: 37-55 '62.

IRRIGATION CANALS AND FLUMES

(see also subdivision under *Aral Sea region*)

Determining the loss of water through filtration from irrigation canals by using a hydraulic integrator. M. G. Katalgova, V. N. Korenev. *Gl'dr. i mel.* 14 no. 1: 22-30 Ja '63.

Regularity in the change in the coefficient of efficiency of a canal in relation to the discharge of water. I. S. Iakovlev. *Dokl. AN Tadzh. SSR* 3 no. 3: 25-29 '60.

IRRIGATION CANALS AND FLUMES—EQUIPMENT AND SUPPLIES

Results of hydraulic studies of the TR-0.75 P-2 regulator manufactured by the Uzbek State Institute for the Design and Planning of Water Resources Development and Land Improvement. K. A. Adulov. *Dokl. AN Tadzh. SSR* 3 no. 5: 33-39 '60.

IRRIGATION FARMING see subdivision under *Bulgaria; Rostov Province*

ISET'—CRUSHED STONE INDUSTRY—HYGIENIC ASPECTS

Don't be stubborn, Comrade Gavrilov! I. Sorvenkov, I. A. Sukhorukov. *Sov. profsoiuzy* 10 no. 3: 8-9 F '63.

ISLAM see *Mohammedan Empire*

ISOBOREOL

Continuous method for the saponification of isobornyl formate. V. A. Vyrodov, S. I. A. Korotov. *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5: 148-154 '62.

ISOCYANIC ACID

Reaction of aromatic diamines with diisocyanates. Part 1: Influence of some factors [with summary in English]. O. I. Fedotova, I. P. Losev, N. I. Skripchenko. *Vysokom. soed.* 5 no. 2: 222-226 F '63.

Reaction of aromatic diamines with diisocyanates. Part 2: Reactivity of some aromatic diamines [with summary in English]. O. I. Fedotova, I. P. Losev, N. I. Skripchenko. *Vysokom. soed.* 5 no. 2: 227-232 F '63.

ISOMERISM

Structure and reactivity of the condensation products of aromatic amines with aliphatic aldehydes. Part 1: Isomerism and structure of ethylenediamine dimers. V. I. Minkin, Zh. A. Tumakova. *Zhur. ob. khim.* 33 no. 2: 642-646 F '63.

ISOMERIZATION

Acidic properties of cis- and trans-isomers of $[Pt(NH_2OH)_2(Py)_2]Cl_2$. A. A. Grinberg, A. I. Stetsenko. *Zhur. neorg. khim.* 7 no. 12: 2676-2684 D '62.

Isomeric transformations of methyl (chloronaphthyl) sulfones. T. N. Gerasimova, V. A. Koptug. *Zhur. ob. khim.* 33 no. 2: 601-606 F '63.

Isomerization of hydrocarbons of the bicyclo-(2, 2, 1)-heptene series in the presence of silica gel. A. F. Pinte, E. M. Mil'vitskaya. *Neftekhimika* 3 no. 1: 40-47 Ja-F '63.

Isomerization of inner complex salts of bivalent platinum with amino acids. L. M. Volateln, I. O. Volodina. *Zhur. neorg. khim.* 7 no. 12: 2685-2688 D '62.

Migration of the methyl group in a toluene molecule under the effect of aluminum bromide and hydrogen bromide. V. A. Koptug, I. S. Isaac, N. N. Vorozhtsev jun. *Dokl. AN SSSR* 149 no. 1: 100-103 Mr '63.

Prototropic isomerization of esters of alkylphosphonic acids. B. I. Ionin, A. A. Petrov. *Zhur. ob. khim.* 33 no. 2: 432-437 F '63.

Synthesis and catalytic isomerization of phenylmethylphenyls and their hydrogenated derivatives. O. M. Nefedov, Shi Mei-fan [Shih Mei-fang]. *Neftekhimika* 3 no. 1: 46-54 Ja-F '63.

Synthesis of isoprene from propylene. Part 2: Isomerization of 2-methyl-1-pentene in the liquid phase in the presence of solid acid catalysts. *Neftekhimika* 3 no. 1: 20-27 Ja-F '63.

ISOPENTYL ALCOHOL

Extraction of boric acid with isopentyl alcohol from hydrochloric acid solutions. E. E. Vinogradov. *Zhur. neorg. khim.* 7 no. 12: 2613-2616 D '62.

ISOPODA see subdivision under *Pacific Ocean*

ISOPRENE

Interaction of divinyl and isoprene hydrochlorides with sodium acetate ester. I. I. Bunina-Krivorukova, A. A. Petrov. *Zhur. ob. khim.* 33 no. 2: 427-432 F '63.

ISOTOPE SEPARATION

Calculation of the single-separation coefficient for some chemical exchange reactions. E. M. Kuznetsova, Z. V. Gruzova, G. M. Panchonkov. *Dokl. AN SSSR*, 148 no. 1: 144-147 Ja '63.

ISOTOPES

"Geochemistry of isotopes" by A. Polanski. Reviewed by G. Volkovich. *Izv. AN SSSR, Ser. geol.* 27 no. 12: 117-118 D '62.

Optimum conditions for dilution in analysis by the isotope dilution method. V. S. Arakelian. *Zav. lab.* 20 no. 1: 78-80 '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po ispol'zovaniyu atomnoi energii. [Isotopes, radioactive sources, and radioactive materials; catalog] *Izotopy. Istochniki izlucheni i radioaktivnye materialy; katalog*. Izd. 2., dop. Moskva, Gosatomizdat, 1962, 216 p.

ISOTOPES—BIBLIOGRAPHY see *Bibliography—Isotopes*

ISOTOPES—INDUSTRIAL APPLICATIONS

Efficiency of the introduction of radioisotope devices and means of automation in industry. S. D. Panov. *Ist. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1: 37-41 '63.

Mikheev, G. F. [Isotopes save time and work] *Izotopy ekonomiat vremia i trud*. Moskva, Izd-vo Akad. nauk SSSR, 1963, 108 p. (Akademiya nauk SSSR, Nauchno-populnaya seriya)

ISOVALERIC ACID

Ternary reciprocal system consisting of sodium and potassium acetates and isovalerates. E. I. Pochtakova. *Zhur. ob. khim.* 33 no. 2: 342-347 F '63.

ISRAEL—COMMUNIST PARTY

Ha-Miflagah ha-Komunistit ha-Yisraelit. *Ve'khal.* 14th, Tel Aviv - Jaffa, 1961. [The 14th Congress of the Communist Party of Israel, Tel Aviv-LAFA, May 31 - June 3, 1961] XIV s'ozd Kommunisticheskoi partii Izraelia; [materialy] Tel'-Aviv - LAFA, 31 maia - 3 Iunia 1961 goda. Moskva, Gospolitizdat, 1962, 168 p.

ISRAEL—POLITICS AND GOVERNMENT

Andreev, S. A. [Israel; a journalist's notes] *Izrael; zametki zhurnalista*. Moskva, Izd-vo vostochnoi lit-ry, 1962, 118 p.

ISSYK-KUL' REGION—CLIMATE

Artificial influence on the climate of large and small regions; using the example of the coast of the lake Issyk-Kul'. A. A. Dmitriev. *Izv. AN SSSR, Ser. geog.* no. 1: 45-49 Ja-F '63.

ISSYK-KUL' REGION—CORN (MAIZE)

Growing corn for grain in the Issyk-Kul' Depression. G. G. Dul'skii, M. I. Donenko. *Zhivotnovodstvo* 23 no. 8: 54-55 Ag '61.

ISSYK-KUL' REGION—DESERT FLORA

Deserts and semideserts in the western part of the Issyk-Kul' depression. L. N. Sobolev. Trudy Inst. geog. 81:112-134 '62.

ISSYK-KUL' REGION—RUNOFF

Behavior of temporary runoff in the marginal mountains of the Issyk-Kul' depression. M. I. Iveronova. Trudy Inst. geog. 81:30-58 '62.
Recent activity of temporary streams in the high mountains of the Issyk-Kul' region; results of stationary research. M. I. Iveronova. Izv. AN SSSR. Ser. geog. no. 1: 67-72 Ja-F '63.

ISSYK-KUL' REGION—WINDBREAKS, SHELTERBELTS, ETC.

Artificial influence on the climate of large and small regions; using the example of the coast of the lake Issyk-Kul'. A. A. Dmitriev. Izv. AN SSSR. Ser. geog. no. 1:45-49 Ja-F '63.

ITALY—COMMERCE—RUSSIA

Establishment of an Italian-Soviet Chamber of Commerce. M. V. Nesterov. Nov. vrem. 20 no. 11:12 Mr '63.

ITALY—COMMUNIST PARTY

"Formation of the leading group of the Italian Communist Party" [in Italian] by Palmiro Togliatti. Reviewed by G. Filatov. Kommunist 39 no. 5:114-117 Mr '63.

ITALY—CONVENTS AND NUNNERIES

Buried alive. G. Vasil'ev. Nauka i rel. 4 no. 1:41-43 Ja '63.

ITALY—FOREIGN ECONOMIC RELATIONS—AFRICA

Italian monopolies in Africa. N. Timofeev. Az. i Afr. seg. no. 2:22-23 F '63.

ITALY—PEASANTRY

Komolova, N. P. [Class struggles in the Italian village, 1945-1950] Klassovye boi v ital'ianskoi derevne, 1945-1950 gg. Moskva, 1963. 342 p.

ITALY—POLITICS AND GOVERNMENT

... taken away from the working people. Antonio Perenti. Sov. profsoyuz 19 no. 4:27-28 F '63.

ITALY—SOCIAL CONDITIONS

Iosif Atabekian's "Italian" articles. A. M. Egiazarian. Izv. AN Arm. SSR. Obshchestv. nauki no. 11:61-69 N '60.

ITALY—THEATER

Difficulties of the Italian theater. Annabella Cerfani. Teatr 24 no. 1:127-128 Ja '63.

ITALY—TRIALS

They were punished for their obedience to the law. N. Z. Rad. pravo no. 5:119 S-O '62.

ITALY—WAR—ECONOMIC ASPECTS

... taken away from the working people. Antonio Perenti. Sov. profsoyuz 19 no. 4:27-28 F '63.

ITURUP ISLAND—TIDAL WAVE, 1958

Determining the areas of the origin of tsunami during the Kamchatka Earthquake of November 4, 1952 and the Iturup Earthquake of November 6, 1958. S. A. Fedotov. Izv. AN SSSR. Ser. geofiz. no. 10:1333-1339 O '62.

IUON, KONSTANTIN FEDOROVICH, 1875-1958

Exhibition of K. V. Iuon's works. Nikolai Sobolevskii. Iskusstvo 25 no. 9:20-26 '62.

IURKEVICH, IVAN DANILOVICH, 1902-

Anniversary of Academician Ivan Danilovich Iurkevich. V. I. Perehod. Izv. vys. ucheb. zav.; i. lea. zhur. 5 no. 5:174-175 '62.

IUSOV, VADIM

Vadim Iusov behind the motion-picture camera. Malia Merkell. Isk. kino 33 no. 1:100-107 '63.

IUSUPOV, NURADIN

A few lines on Nuradin Iusupov and his screenplay. Iosif O'ahanskii. Isk. kino 33 no. 1:91-92 '63.

IUZOVSKII, IOSIF IL'ICH, 1902-

Is Iuzovskii sixty years old? IU. Zavodskii. Teatr 24 no. 1:97 Ja '63.

IVANO-FRANKOVSK PROVINCE—JEHOVAH'S WITNESSES

We are trying to protect school children from the influence of sectarians. B. Krzhivits'kiy. Voioy. atelet 3 no. 2:35-37 F '63.

IVANO-FRANKOVSK PROVINCE—PETROLEUM INDUSTRY

Restoration and development of the petroleum industry in Stanislav Province, 1944-1955. D. D. Nyzovyi. Z. ist. URSR no. 6/7:174-184 '62.

IVANOV, ALEKSANDR ANDREEVICH, 1806-1858

A. Ivanov on the roles and position of artists. M. Nekliudova. Iskusstvo 25 no. 11:82-84 '62.

IVANOVO—PENSIONS

He is and friendship. E. Davydov. Okhr. truda i sots. strakh. 5 no. 12:12 D '62.

IVANOVO—SOCIALIST COMPETITION

Lebedeva, A. K. [Joy of friendship] Radost' druzhby. [Moskva] Profizdat, 1962. 78 p. (Massovaya biblioteka rabochego)

IVANOVO—TEXTILE WORKERS

Lebedeva, A. K. [Joy of friendship] Radost' druzhby. [Moskva] Profizdat, 1962. 78 p. (Massovaya biblioteka rabochego)

IVANOVO PROVINCE—ANTIQUITIES

A Fat'yanovo burial mound of the Balanovo type in Ivanovo Province. O. S. Gadziatskaya. Sov. arkheol. 7 no. 1:284-286 '63.

IVANOVO PROVINCE—INDUSTRIAL MANAGEMENT

Lack of coordination in planning. V. Zhuravlov. Fin. SSSR 37 no. 2:56-57 F '63.

More effective use of hidden potentialities. G. Krivosheina. Part. shizn' no. 5:30-33 Mr '63.

IVANOVO PROVINCE—WAGES—TEXTILE INDUSTRY

A discussion of the experience of Kalinin textile workers in the Ivanovo Economic Region. Sots. trud 7 no. 6: 90-96 Je '62.

IXOLITE see subdivision under Kalba Range

IZHEVSK—COMMUNITY CENTERS

Realization of great ideas. A. Mikheev. Klub 11 no. 5: 30-31 My '62.

IZHEVSK—EDUCATION, COOPERATIVE

Conference on theory and practice in Izhevsk. V. Cherepanov. Shkola i prozv. 6 no. 8:94 Ag '62.

IZHEVSK—ELECTRIC WIRING

Readers relate, advise and criticize. Sov. profsoyuz 19 no. 2:18-19 Ja '63.

IZHEVSK—NEWSPAPER AND PERIODICAL CIRCULATION

At two places of work. V. Shmakov. Raspr. pech. no. 1: 6 Ja '63.

JADE see subdivision under Sayan Mountains

JAPAN—ANTHROPOLOGY

Research on the morphology of human hair in Japan. A. A. Zubov. Vop. antropol. no. 10:123-133 '62.

JAPAN—CHORAL SOCIETIES

Visiting our Japanese friends. K. Vasylenko. Sots. kul't. no. 2:23 F '63.

JAPAN—COMMUNIST PARTY

"Struggle in the field of ideology and culture" [in Japanese] by Kurahara Korehito. Reviewed by B. Pospelov. Az. i Afr. seg. no. 2:54-55 F '63.

JAPAN—ECONOMIC CONDITIONS

Japan in early 1963. V. Butrin. Nov. vrem. 20 no. 10: 10-13 Mr '63.

JAPAN—FOREIGN ECONOMIC RELATIONS—ASIA, SOUTHEASTERN

Japanese monopolies in Southeastern Asia. S. Ignatushchenko. Az. i Afr. seg. no. 3:19-21 Mr '63.

JAPAN—FOREIGN RELATIONS—UNITED STATES

Japanese trade unions and the World Federation of Trade Unions' program of action. Seichi Hosoi. Vsem. prof. dvizh. no. 2:34-37 F '63.

JAPAN—MODELS, FASHION

Construction of mannequins in Japan. S. Severov. Sov. tovg. 38 no. 10:57-59 O '62.

JAPAN—MOTION PICTURES AND CHILDREN

Ugly face of bourgeois culture. Sots. kul't. no. 2:47 F '63.

JAPAN—NONWOVEN FABRICS

Automatic machine for the production of laps and nonwoven fabrics used by the Japanese "Torifuge" Company. Leh. prom. no. 3:87-85 Je-Ag '62.

JAPAN—POLITICS AND GOVERNMENT

Fascism as a tool of reaction in Japan. D. Petrov. Mir. ekon. i mezhdunar. otn. no. 1:60-70 '63.

JAPAN—RELATIONS (GENERAL) WITH THE UNITED STATES

"Struggle in the field of ideology and culture" [in Japanese] by Kurahara Korehito. Reviewed by B. Pospelov. Az. i Afr. seg. no. 2:54-55 F '63.

JAPAN—TRADE UNIONS

Japanese trade unions and the World Federation of Trade Unions' program of action. Seichi Hosoi. Vsem. prof. dvizh. no. 2:34-37 F '63.

JAPAN—VIEWS

Kozlovskiy, M. F. [Japan seen through the lens; news photographer's notes] V ob'ektyvi Iaponia; zapyski fotokorespondenta. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 60 p.

JAPAN—WOMEN

Among Japanese women. Lilia Bogdanovich. Nov. vrem. 20 no. 9:26-29 Mr '63.

JAPANESE LANGUAGE—DICTIONARIES—RUSSIAN

Nemzer, L. A., and N. A. Syromiatnikov, comps. [Japanese-Russian dictionary. Approximate 34,000 words] Iaponsko-russkii slovar'. Pod red. N. I. Fel'dman. Okolo 34 000 slov. Moskva, Gos. izd-vo inostr. i natsional'nykh sluvarel, 1951. 628 p.

JAPANESE LANGUAGE—SYNTAX

Structure of subordinate clauses in the Japanese language. A. A. Babintsev. Uch. zap. LGU no. 308:75-80 '63.

JAUNDICE—PREVENTION

Prevention of serum hepatitis (infectious hepatitis B). I. P. Drobinskii. Trudy Kish. gos. med. inst. 11:105-116 '60.

JAVA—PHOSPHORITES

Cave phosphorites of Java. O. V. Narchemashvili, A. S. Sokolov. Priroda 52 no. 2:90-92 '63.

JAZZ MUSIC

We're not against jazz, but... Mykola Kladkovyi. Mystetstvo 9 no. 6:27-28 N-D '62.

JEHOVAH'S WITNESSES

(see also subdivision under Ivanovo-Frankovsk Province)
"Jehovah's Witnesses are the enemies of peace and progress" by O. H. Bilous. Reviewed by F. Kyrychenko. Voioy. atelet 3 no. 2:60-61 F '63.

JEJUNUM—SURGERY

Changes in the excretory function of the pancreas in extensive resections of the jejunum. Report No. 1 [in Georgian with summary in Russian]. G. I. A. Odishvili, D. N. Bunchidze, L. Sh. Teydoradze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:193-198 '62.

JERUSALEM ARTICHOKES

Cultivation practices in growing Jerusalem artichoke. P. F. Kotov, A. F. Omuriev. Zhivotnovodstvo 23 no. 8:63-65 Ag '61.

JET PLANES—FUEL

New methods of testing the performance characteristics of jet propellants used in England and the U. S. A. N. A. Ragozin. Khim. i tekhn. topl. i masel 6 no. 1:55-68 Ja '63.

JET PLANES—PILOTING

Gallai, M. L. [Piloting jet airplanes] Osobennosti pilotirovaniia reaktivnykh samolotov. Moskva, Izd-vo DOSAAF, 1962. 195 p.

JET PUMPS

VN-4 water-jet unit. N. I. Polunin. Bluz. tekhn. -ekon. Inform. Gos. nauch. -issl. inst. nauch. i tekhn. Inform. no. 2:70-71 '63.

JETS—FLUID DYNAMICS

Effect of an electric field on a continuous liquid jet [with summary in English]. A. A. Semerchan, N. N. Kuzin, V. K. Iankov. Inzh. -fiz. zhur. 6 no. 2:114-117 F '63.

Some properties of fast cumulative jets. N. P. Novikov. PMTF no. 1:3-13 Ja-F '63.

JEWELRY see subdivision under Kostroma Province

JEWELRY, BOLGAR see subdivision under Mokryye Kurnaly region

JIGS AND FIXTURES

Results of modernizing a jig. L. L. Papushin, V. N. Belzer. Ugol'. prom. no. 6:59-60 N-D '62.

JOANNES XXIII, Pope, 1881-

Pope John XXIII. N. Kuznetsov. Mir. ekon. i mezhdunar. otn. no. 1:134-135 '63.

JOB ANALYSIS

We should help Soviet workers to make most of their time. I. Chernov. Kommunist 39 no. 4:125 Mr '63.

JOHNE'S DISEASE

Complement fixation reaction in the diagnosis of paratuberculosis. M. P. Novikova. Veterinaria 37 no. 11: 49-52 N '60.

Diagnosis of paratuberculosis in sheep and goats. V. A. Sharov. Trudy VIEV 26:135-138 '62.

Materials on a study of paratuberculosis in agricultural animals. I. V. Poddubskii, V. E. Shchukravskii, A. P. Alkueva. Trudy VIEV 26:115-134 '62.

Mineral composition of the blood sera of cattle in the dynamics of the paratubercular process. T. G. Nigmatullin. Trudy VIEV 26:107-114 '62.

JOINTS—DISEASES

Kosinskaya, N. S. [Degenerative and dystrophic lesions of the osteoarticular apparatus; clinical X-ray diagnosis and expertise on work capacity] Degenerativno-distroficheskie porazhenia kostnosustavnogo apparata; klinicheskaia rentgenodiagnostika i ekspertiza trudo-sposobnosti. [Leningrad] Medgiz, 1961. 194 p.

- JOINTS—RADIOGRAPHY**
Comparative evaluation of contrast arthrography as a diagnostic method in lesions of the meniscus of the knee joint. D. S. Tarbaev. Klin. khir., no. 12:27-30 D '62.
- JOINTS—TUBERCULOSIS**
Role of tomographical X-ray examination in the diagnosis of bone and joint tuberculosis [with summary in English]. O. I. A. Suslova. Vrach. delo no. 11:56-61 N '62.
- JOINTS (GEOLOGY)**
Effect of natural fracturing on the stability of outcrops. IU. P. Zubarev. Trudy Inst. gor. dela AN URSS no. 11: 37-46 '62.
Effect of the mechanical properties and the deformation rate on the failure of the schematic model of an inhomogeneous medium and some real materials. K. I. Kuznetsova. Izv. AN SSSR, Ser. geofiz. no. 12:1729-1748 '62.
- JOLIOT-CURIE, IRENE, 1897-1956**
Noteworthy dates in science and technology. Shkola i proizv. 6 no. 9:86 S '62.
- JOURNALISM**
(see also subdivision under Pamirs; Sochi; Tajikistan; United States)
Brief news. Sov. pech. no. 8:64 Ag '62.
Brooks Atkinson as a critic of style. Nov. vrem. 20 no. 11:15 Mr '63.
In blue tones. T. Lit'in. Sov. pech. no. 8:8-9 Ag '62.
Incentive to action. Sov. pech. no. 8:3-4 Ag '62.
Obligatory work. E. Andreev. Sov. pech. no. 8:5-7 Ag '62.
"Problems of newspaper genres." Reviewed by E. P. Prokhorov. Vest. vyz. shkoly 21 no. 2:95-98 F '63.
There are still admirers of "orginap." S. Narbut. Sov. pech. no. 8:9-10 Ag '62.
- JOURNALISM, AGRICULTURAL**
(see also subdivision under Tajikistan)
Teteruk, I. N. [Hand in hand with worker and farmer reporters] Ruka ob ruku s rabsei'korami. Moskva, Gospolitizdat, 1962. 69 p.
- JOURNALISM, LABOR**
Teteruk, I. N. [Hand in hand with worker and farmer reporters] Ruka ob ruku s rabsei'korami. Moskva, Gospolitizdat, 1962. 69 p.
- JOURNALISM, MILITARY**
Apply combat efficiency to the printed word. Komm. Vooruzh. Sil 3 no. 23:8-12 D '62.
- JOURNALISTS**
Congratulations on your awards, comrades! Sov. pech. no. 8:39-48 Ag '62.
- JUDGMENT (LOGIC)**
Judgment as a form of logical thinking [in Georgian with summary in Russian]. D. M. Keburila. Trudy Inst. filoa. AN Gruz. SSR 11:131-150 '62.
- JUDGMENTS**
Chechina, N. A. [Legal norms and judgments] Norma prava i sudebnoe reshenie. [Leningrad] Izd-vo Leningr. univ., 1961. 76 p.
(MH-L)
- JUDICIAL ERROR** see subdivision under Great Britain
- JUGGLERS AND JUGGLING**
Information on buffoons in cadastres, census, and customs books of the 16th to 17th century. V. I. Petukhov. Trudy MGAI 16:409-419 '61.
- JUNCTION TRANSISTORS**
Calculation of the volt-ampere characteristics of a forward biased symmetrical diode, allowing for the finiteness of the surface recombination rate at the contact points. R. Mamatkulov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 8:106-110 '62.
Impedance of diffusion p-n junctions on a minor variable signal. D. A. Aronov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 8:73-86 '62.
On the photomagnetic effect on a p-n junction. A. A. Grinberg, I. N. Nikolaev. Dokl. AN SSSR 147 no. 5: 1057-1060 D '62.
Theoretical study of the volt-ampere characteristics of a forward biased asymmetrical p-i-n junction diode. R. Mamatkulov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 6:101-105 '62.
- JUNE BERRY** see subdivision under Tashkent
- JUNIPER** see subdivision under Polesye
- JUNIPER—DISEASES AND PESTS** see subdivision under Osh Province
- JUPITER (PLANET)**
Is life possible on Jupiter? I. S. Shklovskii. Priroda 52 no. 2:111 '63.
- JURISTIC ACTS—INTERPRETATION AND CONSTRUCTION**
Methodical indications for the compilation of acts of forensic-psychiatric expertise. E. M. Kholodkovskaya, S. V. Torubarov. Prak. sudebno-psikh. ekspert. no. 6: 52-63 '63.
- JUSTICE, ADMINISTRATION OF**
(see also subdivision under Ukraine)
For the widespread adoption of judicial practice. N. Gurbatov. Sov. iust. no. 8:6-8 F '63.
- JUSTICE AND POLITICS** see subdivision under United States
- JUVENILE DELINQUENCY** see subdivision under United States
- KABARDINO-BALKAR A. S. S. R.—AGRICULTURE**
Some problems in the socialist transformation of agriculture in Kabardino-Balkaria. K. N. Kerefov. Uch. zap. Kab.-Balk. gos. un. no. 11:3-72 '61.
- KABARDINO-BALKAR A. S. S. R.—APPLE**
Chemical composition of hybrid apples in comparison with parent forms. S. I. Isaev, V. P. Mazaev. Uch. zap. Kab.-Balk. gos. un. no. 11:205-216 '61.
- KABARDINO-BALKAR A. S. S. R.—BIRDS**
Vertical zonality of the distribution of birds in Kabardino-Balkaria. S. P. Chumikhin. Ornitologiya no. 5:186-192 '62.
- KABARDINO-BALKAR A. S. S. R.—CORN (MAIZE)**
Campaigning for cheap corn. A. Boluev. Komsom. zhizn' no. 1:22-23 Ja '62.
- KABARDINO-BALKAR A. S. S. R.—CORN (MAIZE)—VARIETIES**
Effect of vertical zonality on the development and growth of varieties, hybrids, and self-pollinated lines of corn. M. K. Kerefova. Uch. zap. Kab.-Balk. gos. un. no. 11: 157-180 '61.
- KABARDINO-BALKAR A. S. S. R.—GRASSES—FERTILIZERS AND MANURES**
Effect of phosphorus fertilizers on the increase of seed yields of some perennial grasses under conditions of vertical zonality in the Kabardino-Balkar A. S. S. R. I. G. Butov. Uch. zap. Kab.-Balk. gos. un. no. 11:185-192 '61.
- KABARDINO-BALKAR A. S. S. R.—HEMP—FERTILIZERS AND MANURES**
Effectiveness of applying fertilizers to hemp in the Kabardino-Balkar A. S. S. R. A. D. Imalkin. Uch. zap. Kab.-Balk. gos. un. no. 11:193-204 '61.
- KABARDINO-BALKAR A. S. S. R.—HYBRID CORN**
Variability of the duration of organogenetic stages in tassels and ears of VIR-42, VIR-25 double cross hybrid corn, and their components under the effect of sowing dates. P. G. Luchkov. Uch. zap. Kab.-Balk. gos. un. no. 11:133-155 '61.
- KABARDINO-BALKAR A. S. S. R.—OATS**
Expand mixed sowing of vetch and oats on farms. M. I. Chegembaeva. Uch. zap. Kab.-Balk. gos. un. no. 11: 91-109 '61.
- KABARDINO-BALKAR A. S. S. R.—POLITICS AND GOVERNMENT**
Berbekov, Kh. M. [Soviet autonomy of Kabardia and Balkaria] Sovetskaya avtonomiya Kabardiy i Balkarii. Nauch. Kabardino-Balkarskoe knizhnoe izd-vo, 1961. 125 p.
(MH)
- KABARDINO-BALKAR A. S. S. R.—SOIL FORMATION**
Nomenclature and classification of soils in the Kabardino-Balkar A. S. S. R. K. I. Maslugin. Uch. zap. Kab.-Balk. gos. un. no. 11:73-89 '61.
- KABARDINO-BALKAR A. S. S. R.—VETCH**
Expand mixed sowing of vetch and oats on farms. M. I. Chegembaeva. Uch. zap. Kab.-Balk. gos. un. no. 11: 91-109 '61.
- KACHKANAR, MOUNT—IRON MINES AND MINING**
Iron mountain. V. Smetanin. Vokrug sveta no. 11: 30-32 N '62.
- KACHKANAR REGION—STRUCTURAL FRAMES—WELDING**
Mechanizing welding operations in erecting the frame of the ore dressing plant of the Kachkanar Mining and Ore Dressing Combine. A. I. Alekseev and others. Avtom. svar. 18 no. 1:60-67 Ja '63.
- KAGARLYK REGION—AGRICULTURAL ADMINISTRATION**
Prepare for summer farming in the wintertime. I. I. Yaveta Ovcharenko. Ukraina no. 1:4-5 Ja '63.
- KAKHOVKA HYDROELECTRIC POWER STATION—DAMS**
Operation of the earth dam in the river channel of the Kakhovka hydroelectric development. IU. I. Kasikov. Gidr. stroi. 32 no. 8:1-4 S '62.
- KAKHOVKA HYDROELECTRIC POWER STATION—SOIL PERCOLATION**
Some results of actual observations of seepage at the Kakhovka hydroelectric development. A. I. Oleinik, R. T. Slobodan. Gidr. stroi. 32 no. 8:4-7 S '62.
- KAKHOVKA RESERVOIR—FISHES**
Feeding of perch and pike fry in the Kakhovka reservoir during the early years of its existence (1956-1959) [with summary in English]. G. I. A. Zaitava. Dop. AN URSS no. 12:1630-1634 '62.
- KALANTARIAN, PAPA BEZHANOVICH, 1887-**
Papa Bezhanovich Kalantarian; his 75th birthday [in Armenian with summary in Russian]. G. S. Davtian and others. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:103-110 '62.
- KALASHNIKOV, ALEKSEI GEORGIEVICH, 1893-1962**
Aleksei Georgievich Kalashnikov. T. Korneichuk. Nar. obr. no. 2:89-91 F '63.
In memory of A. G. Kalashnikov. Shkola i proizv. 7 no. 1: 94 Ja '63.
- KALBA RANGE—IXIOLITE**
New find of ixiolite. V. A. Khvostova, N. V. Maksimova. Dokl. AN SSSR 148 no. 2:424-426 Ja '63.
- KALININ, MIKHAIL IVANOVICH, 1875-1946**
Petrov, V. I. [M. I. Kalinin in the Ukraine in 1920] M. I. Kalinin na Ukraine, 1920 god. Kiev, Gospolitizdat USSR, 1962. 70 p.
(MH)
- KALININ—RADIO CLUBS**
Useful initiative of the radio amateurs of Kalinin. R. Karakina. Radio no. 3:15 Mr '63.
- KALININ PROVINCE—BIRDS**
Distribution of small forest birds in Kalinin Province after they have abandoned their nests. L. A. Olhel, D. I. Berman. Ornitologiya no. 5:96-100 '62.
- KALININ PROVINCE—INDUSTRIAL MANAGEMENT**
Concrete and businesslike. Part. zhizn' no. 5:14-10 Mr '63.
- KALININ PROVINCE—WAGES—TEXTILE WORKERS**
Results of discussing the practice of Kalinin textile workers. I. Gandurin. Sots. trud 8 no. 2:98-103 F '63.
- KALININGRAD PROVINCE—GEOLOGY, STRUCTURAL**
Oil prospecting in Kaliningrad Province. M. S. Zakashanskii. Geol. nefi i gaza 7 no. 2:42-44 F '63.
- KALININGRAD PROVINCE—PROSPECTING**
Oil prospecting in Kaliningrad Province. M. S. Zakashanskii. Geol. nefi i gaza 7 no. 42-44 F '63.
- KALININGRAD PROVINCE—WHEAT—VARIETIES**
Results of work on winter wheat at the Kaliningrad State Agricultural Experiment Station. A. Kul'chitskii. Nauch. tekhn. inform. SZNISKH no. 3:36-40 '63.
- KALINOUSKI, KASTUS', 1838-1864**
Kastus' Kalinouski and the peasant uprising of 1863. Siniapan Maikbrovich. Rab. i stal. 39 no. 1:17 Ja '63.
- KALINOVKA (KHOMUTOVKA DISTRICT)—DWELLINGS**
Row houses in the village of Kalinovka. E. Andrushnikov. Arkhit. SSSR no. 2:41 '63.
- KALTASA DISTRICT—MILLET**
Millet is a high-yield culture. G. Nigmatullin. Agitator no. 7:39-40 Ap '62.
- KALUGA PROVINCE—HISTORY**
"Just at this place..." A. I. Bekasov. Sov. pech. no. 8: 27-28 Ag '62.
- KAMA RIVER—NAVIGATION**
Votkinsk Reservoir engineers. A. Pozdnev. Rech. transp. 22 no. 1:41 Ja '63.
- KAMA RIVER—SHIPYARDS**
Plant on the Kama. A. Pozdnev. Rech. transp. 22 no. 1:31-32 Ja '63.
- KAMA VALLEY—MINKS**
Acclimatization of the American mink (Mustela vison Briss) in the Volga-Kama region. D. I. Aspirov, N. I. Grigor'ev. Uch. zap. Kaz. un. 120 no. 6:322-334 '63.
- KAMA VALLEY—VOLCHONSKOYE**
Volchonskoye from red beds in the Kama Valley. E. N. Borisenko, L. P. Borisenko. Trudy Min. muz. no. 13: 153-160 '62.
- KAMCHATKA—CAPERCAILLIE**
Biology of the reproduction of Kamchatka stone capercaillie Tetrao urogalloides kamtschaticus Kittlitz. M. I. Lobko-Lobanovskii, A. F. Zhilina. Ornitologiya no. 5:164-165 '62.
- KAMCHATKA—EARTHQUAKES**
Comparison of experimental data obtained during three Kamchatka earthquakes with the existing intensity models of the focuses. V. N. Aver'yanova. Izv. AN SSSR, Ser. geofiz. no. 10:1340-1356 O '62.
- KAMCHATKA—PARASITES—DUCKS**
A new species of trematodes Maritrema trusaita sp. n. from an old squaw (Clangula hyemalis) of Kamchatka [with summary in English]. Vest. LGU 18 no. 3:146-148 '63.
- KAMCHATKA—PARASITES—JAEGER (BIRDS)**
Prosthogonimus sobolevi sp. nov. (Trematoda, Prosthogonimidae) from a parasite jaeger (Stercorarius parasiticus) of Kamchatka [with summary in English]. V. A. Leonov, O. I. Belogurov. Vest. LGU 18 no. 3:144-145 '63.

- KAMCHATKA—SEISMOLOGY**
Features of the seismicity of Kamchatka Province according to observation data from a network of permanent seismic stations. N. V. Kondorskaya, N. S. Landyeva. Izv. AN SSSR, Ser. geofiz., no. 10:1320-1332 O '62.
- KAMCHATKA—TIDAL WAVE, 1962**
Determining the areas of the origin of tsunami during the Kamchatka Earthquake of November 4, 1952 and the Kurup Earthquake of November 6, 1958. S. A. Fedotov. Izv. AN SSSR, Ser. geofiz., no. 10:1333-1339 O '62.
- KAMCHATKA—TREMATODA**
A new species of trematodes *Maritrema inustata* sp. n. from an old squaw (*Clangula hyemalis*) of Kamchatka [with summary in English]. Vest. LGU 18 no. 3:146-148 '63.
Prosthogonimus soholevi sp. nov. (Trematoda, Prosthogonimidae) from a parasitic jaeger (*Stercorarius parasiticus*) of Kamchatka [with summary in English]. V. A. Leonov, O. I. Bologurov. Vest. LGU 18 no. 3:144-145 '63.
- KAMCHATKA—TROUT**
Age changes in the lake-river type of *Salvelinus alpinus* L. of Kamchatka. K. A. Savvaitova. Vop. Ikt., 2 no. 4:597-603 '62.
- KAMENKA-BUGSKAYA DISTRICT—COMMUNIST YOUTH LEAGUE**
Here it is always interesting. R. Vishnevskii. Agitator no. 2:54 Ja '63.
- KAMENNAYA STEPPE—AGRICULTURAL RESEARCH**
Results of 42 years of research in the Kamennaya Steppe. I. A. Stachkov. Sbor. nauch. rab. Nauch.-issl. inst. sel'. khoz. Tsent. chern. pol. 2 no. 1:4-12 '60.
- KAMO DISTRICT—HYBRID CORN**
Investigation of complex double-cross interlineal hybrids and hybrid groupings of corn in Kamo District [in Armenian with summary in Russian]. A. V. Avetisyan. Izv. AN Arm. SSR, Biol. nauki 15 no. 8:87-89 Ag '62.
- KANDALAKSHA BAY—DAMS**
Hydraulic calculations of the erection processes of filtering dams built by the method of rock filling from the ends in the area of ebb and flow tide fluctuation of leveals. A. P. Volnovich. Sbor. trud. LIZIYT no. 199:73-80 '62.
- KANDALAKSHA BAY REGION—GEOLOGY, STRUCTURAL**
The Bohtia-Kandalaksha zone of a deep-lying trough in the earth's crust in the central part of the Baltic Shield. L. E. Shustova. Dokl. AN SSSR 148 no. 2: 413-419 Ja '63.
- KAOLIN**
Organic derivatives of kaolin. E. V. Kukharskaya, IU. I. Skorik, N. G. Boiko. Dokl. AN SSSR 148 no. 2:350-352 Ja '63.
- KARA-DARYA VALLEY—STATE FARMS**
Development of the "Savai" State Farm. U. Sarymsakov. Part. zhizn' [Uzb.] 6 no. 1:27-30 Ja '63.
- KARA-KALPAK A. S. S. R.—LITERATURE—HISTORY AND CRITICISM**
Nurmukhanedov, Marat. [Brief account of the history of Soviet Kara-Kalpak literature] Kratki ocherk istorii karakalpakskoi sovetskoi literatury. Tashkent, Gos. Izd-vo khudozh. lit-ry UzSSR, 1959. 143 p. (CLU)
- KARA-KUL LAKE REGION (PAMIRS)—GRANITE**
Configuration of granitoid intrusives of the northern Pamirs (Lake Kara-Kul basin). V. I. Budanov and others. Dokl. AN Tadzh. SSR 3 no. 3:9-14 '60.
- KARA KUM—SALT DOMES**
Salt tectonics of the southeastern part of the Kara Kum Platform. G. I. Grachev and others. Sov. geol. 5 no. 12:122-127 D '62.
- KARA-MAZAR MOUNTAINS—ORE DEPOSITS**
Zonal structure of some ore bodies in the Pervol'noye deposit (western Kara-Mazar Mountains) [with summary in English]. M. M. Boldyreva. Vest. LGU 17 no. 24:17-25 '62.
- KARA SEA—OCEANOGRAPHY**
Oceanographic expedition to the Kara Sea in 1961. L. V. Bulatov. Probl. Arkt. i Antarkt. no. 10:98-99 '62.
- KARA-TAU—GEOLOGY**
Structure and formation of the Middle Paleozoic structural stage in the central Kara-Tau based on geological and geophysical data" by V. V. Bronguloev. Sov. geol. 5 no. 12:140-141 D '62.
- KARABAKH STEPPE—BARLEY—VARIETIES**
Effect of sowing time on the biological and economic characteristics of some barley varieties grown in the Karabakh Steppe. F. A. Guseinov. Trudy Inst. gen. i sel. AN Azerb. SSR 2:34-47 '62.
- KARABAKH STEPPE—CORN (MAIZE)**
Effect of planting time on the yield of silage corn in irrigated and unirrigated soils of the Karabakh Steppe. B. B. Grigor'yan. Trudy Inst. gen. i sel. AN Azerb. SSR 2:48-54 '62.
- KARABAKH STEPPE—CORN (MAIZE)—VARIETIES**
Growth and development of corn varieties and hybrids in the irrigated and unirrigated lowland zone of Karabakh. D. F. Aliev. Trudy Inst. gen. i sel. AN Azerb. SSR 2: 55-68 '62.
- KARABAKH STEPPE—TOMATOES—VARIETIES**
Effect of cultivation conditions on the growth, development and productivity of different tomato varieties. M. A. Mushev, T. IU. Abdullaeva, T. M. Gvozdenko. Trudy Inst. gen. i sel. AN Azerb. SSR 2:122-129 '62.
- KARABAKH STEPPE—WHEAT—FERTILIZERS AND MANURES**
Effect of supplementary fertilizers on the wheat yield under conditions of dry farming in the piedmont zone of Karabakh. D. V. Gvozdenko. Trudy Inst. gen. i sel. AN Azerb. SSR 2:17-21 '62.
- KARACHAEV POETRY—HISTORY AND CRITICISM**
"Folklore heritage of the Karachay-Dagkar people" by A. I. Karashev; "History of Karachay poetry" by P. Bal-tin. Reviewed by E. Drisgin. Vop. lit. 6 no. 12:220-222 D '62.
- KARADAG, MOUNT**
Karadag, a "fossil" volcano in the Crimean Mountains. V. I. Lebedinskiy, A. I. Shalimov. Priroda 52 no. 2:95-99 '63.
- KARAGANDA—APARTMENT HOUSES**
Experience with large-panel construction in Karaganda. V. Iremka, N. Kaplun. Stroitel' 5 no. 2:3-4 F '62.
- KARAGANDA—MACHINERY INDUSTRY**
After celebrations and promises... M. Kashchuk. Nar. khoz. Kazakh. 20 no. 11:64-67 N '62.
- KARAGANDA—MACHINERY INDUSTRY—PRODUCTION STANDARDS**
Rigid forms should not be used in establishing norms. A. Trot. Nar. khoz. Kazakh. 20 no. 12:53-54 D '62.
- KARAGANDA BASIN—COAL MINING MACHINERY**
Why the productivity of mining equipment is low. Kh. Kozhakhmetov. Part. zhizn' Kazakh. 33 no. 2:24-38 F '63.
- KARAGANDA BASIN—MINING ENGINEERING**
Several problems in coal mine designing. G. Piven. Nar. khoz. Kazakh. 20 no. 11:70-73 N '62.
- KARAGANDA ECONOMIC REGION—INDUSTRIAL MANAGEMENT**
New party committees began to work. N. V. Bannikov, B. Sher'azdanov. Part. zhizn' Kazakh. 33 no. 2:28-33 F '63.
- KARAGANDA PROVINCE—COAL MINES AND MINING**
The main objective. O. V. Kim. Bezop. truda v prom. 7 no. 2:10-20 F '63.
- KARAKUL SHEEP**
(see also subdivision under Uzbekistan)
Paths of the development of breeding work in Karakul sheep raising. V. M. Uudin. Zhivotnovodstvo 23 no. 5: 62-71 My '61.
Vegetative nerves of the abdominal cavity in sheep and vegetative innervation of internal organs. Sh. I. Ibragimov. Trudy Uz. nauch.-issl. inst. vet. 14:249-252 '61.
- KARAKUL SHEEP—DISEASES AND PESTS**
(see also subdivision under Uzbekistan)
Pneumonia causes in Karakul lambs. A. K. Sydykov. Trudy Uz. nauch.-issl. inst. vet. 14:33-45 '61.
- KARBUNA—ANTIQUITIES**
Hidden treasure of the early Tripolye Culture at the KARBUNA village. G. P. Sergeev. Sov. arkheol. 7 no. 1: 135-151 '63.
- KARELIA—BIRCH**
Physical and mechanical properties of birch wood from the Karelian A. S. S. R. Trudy Brian, tekhn. inst. 9:111-117 '60.
- KARELIA—CLEARING OF LAND**
Using chemicals for improving pastures. L. I. Krykhanov. Biol. nauch.-tekh. inform. SZNIISKH no. 3:34-35 '58.
- KARELIA—DIATOMS, FOSSIL**
Diatoms in lacustrine deposits of Karelia. G. TS. Lak. Dokl. AN SSSR 148 no. 1:170-171 Ja '63.
- KARELIA—FISHES—FOOD**
Food supply in some small lakes of southern Karelia. V. A. Sokolova, Z. I. Filimonova. Trudy Kar. fil. AN SSSR no. 33:48-62 '62.
- Gastropoda as fish food in Karelia. V. A. Sokolova. Trudy Kar. fil. AN SSSR no. 33:63-68 '62.
- KARELIA—FOLDS (GEOLOGY)**
Krato, K. O. [Geology of Karelian folding in Karelia] Geologiya Karelii Karelii. Moskva, 1963. 209 p. (Akademiya nauk SSSR, Laboratoriya geologii dokembrii. Trudy, no. 10)
- KARELIA—GASTROPODA**
Gastropoda as fish food in Karelia. V. A. Sokolova. Trudy Kar. fil. AN SSSR no. 33:63-68 '62.
- KARELIA—GEOLOGY, STRATIGRAPHIC**
New data on the Proterozoic stratigraphy in northern Karelia [with summary in English]. IU. B. Bogdanov, A. S. Volnov. Vest. LGU 17 no. 24:5-16 '62.
On some controversial problems of the Pre-Cambrian geology of Karelia [with summary in English]. M. A. Giliarova. Vest. LGU 17 no. 24:34-47 '62.
- KARELIA—HOUSING MANAGEMENT**
In house committees in Karelia. A. Novochadov. Zhil.-kom. khoz. 12 no. 8:6-7 Ag '62.
- KARELIA—ICHTHYOLOGICAL RESEARCH**
Preface. I. Pravidin. Trudy Kar. fil. AN SSSR no. 33: 3-6 '62.
- KARELIA—LULLABIES**
Lullabies of the Karelian and other Balto-Finnish nations. V. I. A. Evseev. Trudy Kar. fil. AN SSSR no. 35:37-61 '62.
- KARELIA—LUMBERING**
Raw material resources for the production of chips for industrial purposes in the logging camps of the Karelian A. S. S. R. V. E. Levonov. Nauch. trudy LTA no. 95:25-34 '61.
- KARELIA—PASTURES AND MEADOWS**
Using chemicals for improving pastures. L. I. Krykhanov. Biol. nauch.-tekh. inform. SZNIISKH no. 3:34-35 '58.
- KARELIA—PEGMATITES**
Shurkin, K. A., and others. [Belomorsk complex of northern Karelia and the southwestern part of the Kola Peninsula; geology and pegmatite potential] Belomorskii kompleks Severnoi Karelii i lugo-zapada Kol'skogo polostrova; geologiya i pegmatitizatsiya. Moskva, Izd-vo Akad. nauk SSSR, 1962. 305 p. (Akademiya nauk SSSR, Laboratoriya geologii dokembrii. Trudy, no. 14)
- KARELIA—PINE**
Changes of some phenotypic characteristics of pines in southern Karelia as a result of previous management. F. I. Akakiev. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5: 18-22 '62.
- KARELIA—SCHUNGITE**
Characteristics of Karelian schungite. L. E. Shterenberg. Dokl. AN SSSR 148 no. 3:688-690 Ja '63.
- KARELIA—WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES**
Equipment for the water storage of wood under winter conditions. A. G. Badiudin. Bum. prom. 38 no. 1:20-21 Ja '63.
- KARELIAN ISTHMUS—FROST**
Study of the types of local conditions on the Karelian Isthmus, based on frost susceptibility [with summary in English]. A. F. Zakharova. Vest. LGU 17 no. 24:74-82 '62.
- KARELIAN ISTHMUS—FUNGI**
Mycoflora in pine forests of Leningrad Province [with summary in English]. S. A. Zhilina. Vest. LGU 18 no. 3:142-144 '63.
- KARELIAN LITERATURE**
"Karelian themes" in the work of some Finnish and Soviet writers. E. G. Karkhu. Trudy Kar. fil. AN SSSR no. 35:20-36 '62.
- KARELIAN LITERATURE—HISTORY AND CRITICISM**
Contemporaneity in Karelian prose; the problem of conflict and hero. M. F. Pakhomova. Trudy Kar. fil. AN SSSR no. 35:3-10 '62.
- KARGASOK—BAPTISTS**
Letters from Novosibirsk. Nauka i rel. 4 no. 1:14-16 Ja '63.
- KARGOPOL' DISTRICT—COLLECTIVE FARMS—AUDITING AND INSPECTION**
Give more attention to control and auditing work. M. S. Savinov, A. I. Shepilov. Uchet i fin. v kolhoz. i sovkh. 20 no. 1:48-50 Ja '63.
- KARLSTADT, GERMANY—BRIDGE CONSTRUCTION**
Construction of an overpass in Karlstadt (from "Beton und Stahlbetonbau," no. 2, 1962). V. P. Kan'shin. Transp. stroi. 12 no. 9:57-58 S '62.
- KARLSTADT, GERMANY—PRESTRESSED CONCRETE CONSTRUCTION**
Construction of an overpass in Karlstadt (from "Beton und Stahlbetonbau," no. 2, 1962). V. P. Kan'shin. Transp. stroi. 12 no. 9:57-58 S '62.
- KARPENKO-KARYL, pseud. see Tobilevich, Ivan**
Karpovych, 1845-1907
- KARST**
(see also subdivision under Donets Basin; Slovakia)
Conference on applied studies of karst. N. A. Gvozdet-skiy, A. G. Chikishev. Izv. AN SSSR, Ser. geol. 28 no. 1:124-126 Ja '63.

- KASHKA-DAR'YA VALLEY—ANTIQUITIES**
Archaeological data on the ethnic history of southern Sogdiana in the third and fourth centuries. S. K. Kabanov. Sov. arkheol. 7 no. 1:219-230 '63.
- KASHKA-DAR'YA VALLEY—SOODIANS**
Archaeological data on the ethnic history of southern Sogdiana in the third and fourth centuries. S. K. Kabanov. Sov. arkheol. 7 no. 1:219-230 '63.
- KATUN' RIVER—RUNOFF**
Glacier participation in the formation of the Katun' River runoff. I. A. K. Bashlakov. Sib. geog. sbor. no. 1:190-194 '62.
- KATUN' VALLEY**
Study of the recent glaciation of the Katun' Basin in the Altai. L. N. Ivanovskii. Sib. geog. sbor. no. 1:184-189 '62.
- KATUN' VALLEY—GLACIERS**
Glacier participation in the formation of the Katun' River runoff. I. A. K. Bashlakov. Sib. geog. sbor. no. 1:190-194 '62.
- KAUSHANY DISTRICT—STOCK AND STOCKBREEDING**
Under the screen of "narrow specialization." I. Tolmachev. Komm. Mold. 7 no. 5:24-30 My '62.
- KAVGOLOVO—SPORTS**
Kavgolovo is a sports reserve. Stroil. i arkhit. Len. 25 no. 2:31 F '63.
- KAYRAK-KUM RESERVOIR—SALINE AND ALKALI SOILS**
Dynamics of the state of the soil cover in the area of the Kayrak-Kum Reservoir. I. S. Aliev. Dokl. AN Tadzh. SSR 3 no. 3:31-34 '60.
- KAYRAK-KUM RESERVOIR—SOIL MOISTURE**
Dynamics of the state of the soil cover in the area of the Kayrak-Kum Reservoir. I. S. Aliev. Dokl. AN Tadzh. SSR 3 no. 3:31-34 '60.
- KAZAKH DISTRICT—ANTIQUITIES**
Archaeological excavations on the Saritepe Hill (1956) [in Azerbaijani with summary in Russian]. I. G. Narimanov, Dzh. Khalilov. Mat. kul't. Azerb. 4:6-87 '62.
- KAZAKH LANGUAGE—DICTIONARIES**
Usage of synonyms in the "Explanatory dictionary of the Kazakh language" [in Kazakh with summary in Russian]. A. Bolgarbaev. Izv. AN Kazakh. SSR. Ser. filol. i isk. no. 3:66-70 '62.
- KAZAKH LANGUAGE—MORPHOLOGY**
Akademiya nauk Kazakhskoi SSR, Alma-Ata. Institut iazykoznaniiia. [The modern Kazakh language; phonetics and morphology] Sovremennyi kazakhskii iazyk; fonetika i morfologiya. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 451 p.
- KAZAKH LANGUAGE—ORTHOGRAPHY**
Current problems of Kazakh orthography [in Kazakh with summary in Russian]. S. Kenesbaev, S. Omarbekov. Izv. AN Kazakh. SSR. Ser. filol. i isk. no. 3:3-17 '62.
- KAZAKH LANGUAGE—PHONETICS**
Akademiya nauk Kazakhskoi SSR, Alma-Ata. Institut iazykoznaniiia. [The modern Kazakh language; phonetics and morphology] Sovremennyi kazakhskii iazyk; fonetika i morfologiya. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 451 p.
- KAZAKH LANGUAGE—STYLE**
Lexical and grammatical characteristics of the language of the epic "Kozy Korpesh - Bala Sulu." E. Zhubanov. Izv. AN Kazakh. SSR. Ser. filol. i isk. no. 3:90-98 '62.
Metaphors in Zhansugurov's poem "Kulager" [in Kazakh with summary in Russian]. B. Khasanov. Izv. AN Kazakh. SSR. Ser. filol. i isk. no. 3:99-105 '62.
Stylistic characteristics of the usage of verbs in Abai's poetry [in Kazakh with summary in Russian]. S. Balzhanov. Izv. AN Kazakh. SSR. Ser. filol. i isk. no. 3:74-78 '62.
- KAZAKH LANGUAGE—SYNONYMS**
Usage of synonyms in the "Explanatory dictionary of the Kazakh language" [in Kazakh with summary in Russian]. A. Bolgarbaev. Izv. AN Kazakh. SSR. Ser. filol. i isk. no. 3:66-70 '62.
- KAZAKH LITERATURE—TRANSLATIONS INTO FOREIGN LANGUAGES**
The Kazakh novel abroad. B. Nevekaia. Vop. lit. 6 no. 12:53-60 D '62.
- KAZAKHSTAN—ADMINISTRATIVE AND POLITICAL DIVISIONS**
Strengthening friendship among fraternal nations. L. Karashev. Part. zhizn' Kazakh. 33 no. 2:13-17 F '63.
- KAZAKHSTAN—AGRICULTURAL EXPERIMENT STATIONS**
Experimental station on a large state farm. N. G. Nazartsev. Zhivotnovodstvo 23 no. 8:13-18 Ag '61.
The Myrbaev Experimental Demonstration Farm. T. I. Tsytkin. Zhivotnovodstvo 23 no. 8:25-30 Ag '61.
- KAZAKHSTAN—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR**
Accounting in a repair shop. I. S. Kozlov. Uchet i fin. v kolkhoz. i sovkh. 20 no. 1:10-12 Ja '63.
- KAZAKHSTAN—AGRICULTURAL POLICY**
For a billion! Part. zhizn' Kazakh. 33 no. 2:3-8 F '63.
- KAZAKHSTAN—AGRICULTURE**
"Contribution of Muscovites to the reclamation of virgin lands" by V. Kulikov. Reviewed by I. Tkachenko. Part. zhizn' Kazakh. 33 no. 2:72-75 F '63.
- KAZAKHSTAN—AGRICULTURE—ECONOMIC ASPECTS**
Likhobaba, I. G. [Proper course; economics in the center of attention] Vernyi kurs; ekonomika - v tsentre vnimaniia. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no. 4)
- KAZAKHSTAN—ARCHAEOLOGY—MAPS**
"Archaeological map of Kazakhstan." Reviewed by S. S. Chernikov. Sov. arkheol. 7 no. 1:314-317 '63.
- KAZAKHSTAN—AUDITING AND INSPECTION**
Relax control and embezzlement and theft become more frequent. U. Abdurakhmanov. Nar. khoz. Kazakh. 20 no. 12:48-50 D '62.
- KAZAKHSTAN—BAKERS AND BAKERIES**
Restless man. A. Panichev. Koop. Kazakh. 5 no. 10:54-56 O '62.
- KAZAKHSTAN—BOOKSELLERS AND BOOKSELLING**
Merchandise for mind and heart. N. Makarov. Koop. Kazakh. 5 no. 4:42-45 Ap '62.
Survey of bookstores. I. Khoroshevskii, V. Valentinov, K. Taniev. Koop. Kazakh. 5 no. 10:49-52 O '62.
- KAZAKHSTAN—BUILDING MATERIALS INDUSTRY—FINANCE**
Clear the path for the new method. V. Vdovin, A. Khitrov. Nar. khoz. Kazakh. 20 no. 12:33-35 D '62.
- KAZAKHSTAN—CATTLE BREEDING**
Line breeding as exemplified by Ala-Tau cattle. D. N. Pak, M. S. Novikov, P. P. Shemshura. Zhivotnovodstvo 23 no. 8:34-38 Ag '61.
- KAZAKHSTAN—CHEMICAL INDUSTRIES**
Expand the chemical industry. M. Gorlaev. Nar. khoz. Kazakh. 20 no. 11:22-23 N '62.
- KAZAKHSTAN—CLERKS (RETAIL TRADE)**
Good reputation of a salesclerk. S. Khamzina. Koop. Kazakh. 5 no. 10:56-58 O '62.
- KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Party news. Part. zhizn' Kazakh. 33 no. 2:79-80 F '63.
Put all hidden potentialities in the service of the seven-year plan. G. Kozlov. Nar. khoz. Kazakh. 20 no. 11:8-17 N '62.
- KAZAKHSTAN—COMMUNITY CENTERS**
Bring knowledge to the masses! L. Mutovkin. Klub 12 no. 8:17 Ag '62.
- KAZAKHSTAN—CONSERVATION OF NATURAL RESOURCES**
"It concerns all of us" by Sulyanbek Isakov. A book review. Priroda 52 no. 2:53 '63.
- KAZAKHSTAN—COOPERATIVE SOCIETIES**
Dynamic program of action. Koop. Kazakh. 5 no. 10:3-6 O '62.
Editor's mail. Koop. Kazakh. 5 no. 10:35-39 O '62.
Question of honor and conscience of a cooperator. Bakhaia Bekkulova. Koop. Kazakh. 5 no. 10:12-16 O '62.
Reports and elections in cooperative societies. B. Muchnik, V. Avdeev. Koop. Kazakh. 5 no. 4:12-17 Ap '62.
Sovereign masters. S. Ongarbaeva. Koop. Kazakh. 5 no. 10:17-18 O '62.
Task of the whole nation. Koop. Kazakh. 5 no. 4:3-6 Ap '62.
Urgent questions. R. Il'finaev. Koop. Kazakh. 5 no. 10:7-10 O '62.
We dedicate our work to our homeland and the party. A. Bezyzvestnykh and others. Koop. Kazakh. 5 no. 4:23-32 Ap '62.
- KAZAKHSTAN—COOPERATIVE SOCIETIES—AUDITING AND INSPECTION**
Let's clear cooperative stores of thieves and chiselers. I. Leino. Koop. Kazakh. 5 no. 10:44-47 O '62.
- KAZAKHSTAN—DANCING**
History of Kazakh dances. L. P. Sarynova. Izv. AN Kazakh. SSR. Ser. filol. i isk. no. 3:25-36 '62.
- KAZAKHSTAN—ECONOMIC CONDITIONS**
Akmedova, N. B. [Soviet Kazakhstan during 40 years; the development of the economy and culture of Kazakhstan during the years of the Soviet regime] Sovetskii Kazakhstan za 40 let; razvitiye ekonomiki i kul'tury Kazakhstana za gody Sovetskoi vlasti. Alma-Ata, Ob-vo po rasprostraneniui polit. i nauchn. znani Kazakhskoi SSR, 1961. 40 p. (MH)
- Coefficients of the economic density of the territory [with summary in English]. N. T. Agafonov. Vest. i. 1:44 17 no. 24:132-135 '62.
- KAZAKHSTAN—ECONOMIC POLICY**
On the comprehensive development of the national economy of Kazakhstan. B. Dvoskin. Nar. khoz. Kazakh. 20 no. 12:24-28 D '62.
- KAZAKHSTAN—ELECTIONS**
Development of democratic trends in the work of the soviets. K. Kotov. Part. zhizn' Kazakh. 33 no. 2:63-67 F '63.
Elections to the government organs. Part. zhizn' Kazakh. 33 no. 2:9-12 F '63.
- KAZAKHSTAN—ETHNOLOGY**
Akademiya nauk SSSR. Institut etnografii. [Peoples of Central Asia and Kazakhstan] Narody Srednei Azii i Kazakhstana. Pod red. S. P. Tolstova i dr. Moskva, Izd-vo Akad. nauk SSSR. (Narody mira; etnograficheskie ocherki) Vol. 1. 1962. 760 p.
- KAZAKHSTAN—FINANCE**
Public inspection of financial work. V. Malishevskii. Nar. khoz. Kazakh. 20 no. 11:76 N '62.
- KAZAKHSTAN—FLAX**
Harvesting of oil-bearing flax in the Virgin Territory. IU. Buriakov. Tekh. v sel'khoz. 22 no. 7:10-12 Ji '62.
- KAZAKHSTAN—GEOLOGICAL SURVEYS—COSTS**
Reduce the cost of surveying work. Sh. Esenov. Nar. khoz. Kazakh. 20 no. 11:42-44 N '62.
- KAZAKHSTAN—GEOLOGY**
Akademiya nauk Kazakhskoi SSR, Alma-Ata. Institut geologicheskikh nauk. [Areal geology; geology of the Chingiz geotectonic zone (central Kazakhstan)] Regional'naya geologiya; geologiya Chingizskoi geotektonicheskoi zony (Tsentral'nyi Kazakhstan). Alma-Ata, 1962. 166 p. (Its Trudy, vol. 5)
- KAZAKHSTAN—GEOLOGY, STRUCTURAL**
Origin and types of central Kazakhstan depressions. S. A. Sladkovpovtsev. Izv. AN SSSR. Ser. geog. no. 1:84-90 Ja '63.
- KAZAKHSTAN—GRAIN ELEVATORS—DESIGN AND CONSTRUCTION**
There are waste and losses at every project. I. Isaev. Nar. khoz. Kazakh. 20 no. 12:30-40 D '62.
- KAZAKHSTAN—HORSE BREEDS**
Barmintsev, IU. N. [Evolution of horse breeds in Kazakhstan; results of a zootechnical study of breed formation] Evolyutsia konskikh porod v Kazakhstane; opyt zootekhnicheskogo issledovaniia problemy porodobrazovaniia. Knzgosizdat, 1958. 281 p. (DNA)
- KAZAKHSTAN—HORSES**
Raising horses for meat. IU. N. Barmintsev. Zhivotnovodstvo 23 no. 8:16-24 Ag '61.
- KAZAKHSTAN—INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR**
Prompted by life. G. Timashev. Nar. khoz. Kazakh. 20 no. 12:52-53 D '62.
- KAZAKHSTAN—INDUSTRIAL MANAGEMENT**
All enterprises could be profitable. P. Efremov. Nar. khoz. Kazakh. 20 no. 12:20-22 D '62.
Consolidate planning departments. V. Kozlovskii. Nar. khoz. Kazakh. 20 no. 12:29-30 D '62.
Follow-up of our materials. Nar. khoz. Kazakh. 20 no. 11:79-80 N '62.
In conference sections. Nar. khoz. Kazakh. 20 no. 11:49-50 N '62.
Mismanagement is costly to the state. R. Daishev. Nar. khoz. Kazakh. 20 no. 12:16-19 D '62.
Problems which have to be solved immediately. A. Kolesnikov. Nar. khoz. Kazakh. 20 no. 11:18-19 N '62.
We support the competition for communist labor. S. Polimbetov. Nar. khoz. Kazakh. 20 no. 11:37-39 N '62.
- KAZAKHSTAN—INDUSTRIAL ORGANIZATION**
Put all hidden potentialities in the service of the seven-year plan. G. Kozlov. Nar. khoz. Kazakh. 20 no. 11:8-17 N '62.
- KAZAKHSTAN—INDUSTRIAL SAFETY**
Voluntary university on labor safety. K. Abulgaizin. Bezop. truda v prom. 7 no. 2:71 F '63.
- KAZAKHSTAN—INDUSTRIES**
On the comprehensive development of the national economy of Kazakhstan. B. Dvoskin. Nar. khoz. Kazakh. 20 no. 12:24-28 D '62.
- KAZAKHSTAN—LABOR AND LABORING CLASSES—EDUCATION**
International education of workers and political education. F. Tabeev. Polit. samoochr. 7 no. 1:75-84 Ja '63.
Let us study economics, and learn how to count and analyze. F. Mikhailov. Part. zhizn' Kazakh. 33 no. 2:23-27 F '63.
They work and study. Nar. khoz. Kazakh. 20 no. 12:58-67 D '62.

KAZAKHSTAN—MACHINERY INDUSTRY

With a clear conscience, S. Il'in, Nar. khoz, Kazakh, 20 no. 12:62-64 D '62.

KAZAKHSTAN—MANUFACTURES—FINANCE

When the consumer is forgotten, D. Muftkin, Fin. SSSR 37 no. 1:70-72 Ja '63.

KAZAKHSTAN—NEWSPAPER AND PERIODICAL CIRCULATION

In our Kazakhstan, M. Maulhashev, Raspr. pech. no. 1: 12 Ja '62.

KAZAKHSTAN—NONFERROUS METAL INDUSTRIES

Vital problems of nonferrous metallurgy, V. Bereza, Nar. khoz, Kazakh, 20 no. 11:28-30 N '62.

KAZAKHSTAN—NONFERROUS METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Introduce scientific achievements into production faster, K. Saipaev, Nar. khoz, Kazakh, 20 no. 11:10-20 N '62.

KAZAKHSTAN—PLATES, IRON AND STEEL—WELDING

The worker's know-how, L. Ustuzhaninov, Nar. khoz, Kazakh, 20 no. 12:64 D '62.

KAZAKHSTAN—POULTRY

Possibilities of the development of poultry farming in Kazakhstan, O. V. Balanina, D. A. Kovin'ko, Zhivotnovodstvo 23 no. 7:31-35 J1 '61.

KAZAKHSTAN—POWER ENGINEERING

Eliminate deficiencies in the power system, Sh. Chokin, Nar. khoz, Kazakh, 20 no. 11:33-34 N '62.

KAZAKHSTAN—PRECAST CONCRETE

Clear the path for the new method, V. Vdovin, A. Khtirov, Nar. khoz, Kazakh, 20 no. 12:33-35 D '62.

Netlaga, V. D. [Precast reinforced concrete at construction projects in Kazakhstan] Sbornik zholozobeton na stroikakh Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo, 1962, 101 p.

KAZAKHSTAN—PROFIT

All enterprises could be profitable, P. Efremov, Nar. khoz, Kazakh, 20 no. 12:20-22 D '62.

KAZAKHSTAN—RAILROADS—COST OF OPERATION

Eliminate unnecessary transportation, V. Fateev, Nar. khoz, Kazakh, 20 no. 11:25-26 N '62.

KAZAKHSTAN—RAILROADS—SANITATION

Great force, N. Seredenko, Okhr. truda i sots. strakh. 5 no. 12:9-10 D '62.

KAZAKHSTAN—RETAIL TRADE

Let's be more daring in introducing progressive methods, S. Suleimanov, Koop. Kazakh, 5 no. 4:30-41 Ap '62.

KAZAKHSTAN—SMUTS

Shvartsman, S. R. [Materials on the history of mycoflora of Kazakhstan (supplement to the 2d volume of "Flora of spore-forming plants of Kazakhstan, Smut fungi", 1960)] Materialy k istorii mikoflory Kazakhstana (dopolnenie k II tomu "Flory sporovykh rastenii Kazakhstana, Golovnyye gruby", S. R. Shvartsman, 1960). Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962, 182 p.

KAZAKHSTAN—SOCIALIST COMPETITION

We support the competition for communist labor, S. Polimbetov, Nar. khoz, Kazakh, 20 no. 11:37-38 N '62.

KAZAKHSTAN—SPARROWS—EXTERMINATION

Extermination of sparrows with poisoned baits in Kazakhstan, E. I. Gavrilov, Ornitologiya no. 5:314-316 '62.

KAZAKHSTAN—STATE FARMS

Zaklukova, E. A. [State farm of communist labor] Sov. khoz. kommunisticheskogo truda, Alma-Ata, Kazakhskoe knizhnoe izd-vo, 1961, 66 p. (CSH)

KAZAKHSTAN—STOCK AND STOCKBREEDING

"Breeds of farm animals developed in Kazakhstan," Reviewed by N. A. Berkovich, Zhivotnovodstvo 23 no. 8:98 Ag '61.

Experimental demonstration farm in virgin lands, D. N. Dvoretzki, Zhivotnovodstvo 23 no. 7:24-30 J1 '61.

Review of "On virgin lands of Siberia and Kazakhstan" by A. S. Shevchenko, Zhivotnovodstvo 23 no. 5:7-8 My '61.

Specialized fattening farms in Kazakhstan, D. S. Martyshev, Zhivotnovodstvo 23 no. 8:16-13 Ag '61.

KAZAKHSTAN—SUGGESTION SYSTEMS

Recommendations are a valuable contribution to the cause of the successful carrying out of the seven-year plan, K. Simakova, Nar. khoz, Kazakh, 20 no. 11:51-53 N '62.

KAZAKHSTAN—SURGICAL SOCIETIES

Seventh plenum of the Board of the Society of Kazakhstan Surgeons, G. K. Tkachenko, Zdrav, Kazakh, 22 no. 11:72-75 '62.

KAZAKHSTAN—TECHNICAL EDUCATION

Training and using engineering personnel, M. Rybakov, Nar. khoz, Kazakh, 20 no. 11:60-63 N '62.

KAZAKHSTAN—TECHNICAL LIBRARIES

Disseminator of the knowledge of technology, Nar. khoz, Kazakh, 20 no. 12:23 D '62.

KAZAKHSTAN—TRADE UNIONS

Relying on the trade-union activist group, M. Isenov, Part. zhizn' Kazakh, 33 no. 2:41-44 F '63.

KAZAKHSTAN—TRANSPORTATION, AUTOMOTIVE—FREIGHT

Consolidate and combine automotive transportation units, N. Fomichev, Nar. khoz, Kazakh, 20 no. 11:45-47 N '62.

KAZAKHSTAN—VETERINARY MEDICINE

Contribution of the veterinarians of Kazakhstan to the development of animal husbandry, A. S. Red'ko, Veterinariia 38 no. 10:18-19 O '61.

Improve veterinary service in animal husbandry, Veterinariia 38 no. 10:23-26 O '61.

KAZAKHSTAN—WATER RESOURCES DEVELOPMENT

Water resources of Kazakhstan and their use for irrigation and water supply, D. S. Sarykulov, Gidr. i mel. 14 no. 1:10-21 Ja '63.

KAZAKHSTAN—WHOLESALE TRADE

Let's shorten the distance between the merchandise and the customer, P. Nikitin, Koop. Kazakh, 5 no. 4:33-36 Ap '62.

KAZAN—COMMUNITY CENTERS

A great force, I. Levin, Klub 11 no. 6:20-21 Je '62.

KAZAN—FOUNDATIONS

Construction of the foundation of a two-story building under certain geological conditions, D. I. Cherepenin, Transp. stroit. 12 no. 7:40 J1 '62.

KAZAN—LANDSCAPE GARDENING

Society and improvement of public areas in the city, S. Bityev, Zhil. - kom. khoz, 12 no. 8:3-4 Ag '62.

KAZAN—MOTION PICTURES

Kazan paradox, I. Il'in, Klub 11 no. 6:37 Je '62.

KAZAN UNIVERSITY—BIBLIOGRAPHY

see Bibliography—Kazan University

KEMAL, ORHAN, pseud. see Rasit, Mehmet, 1914-

KEMEROVO—CHEMICAL PLANTS

The guarantee of success lies in combining operations, D. Kutovoi, Na stroit. Ros. 3 no. 12:10-11 D '62.

KEMEROVO—CONCRETE PLANTS

Apartments on a conveyor, V. Teslin, Na stroit. Ros. 3 no. 12:5-7 D '62.

KEMEROVO—WAGES—MINING ENGINEERING

A trial check of a suggestion, V. Gertsberg and others, Sots. trud 6 no. 2:115-121 F '63.

KEMEROVO PROVINCE—CONTAINERS

Circular collection of containers, L. Golovin, Sov. torg. 35 no. 9:33 S '62.

KEMEROVO PROVINCE—EDUCATION, COOPERATIVE

Technical board of a regional economic council, G. Kartashov, Shkola i profizv. 7 no. 1:89-90 Ja '63.

KEMEROVO PROVINCE—TICKS AS CARRIERS OF DISEASE

Materials on the characteristics of the Guryevsk focus of tick-borne encephalitis [with summary in English], A. R. Iav'la, N. I. Igolkin, I. V. Fedorov, Trudy Tomsk. univ. 11:52-61 '60.

KENT, ROCKWELL, 1862-

Among those who are dear to his heart, Ukraina no. 13: 27 J1 '62.

Kent, Rockwell. [Rockwell Kent; paintings and drawings] Rokuell Kent; zhivopis', grafika. [Moskva, Akad. khudozh. SSSR, 1962] 21 p. plates. (MI)

KENYA—LAND TENURE

The land robbery in Kenya, Idris Cox, Az. i Afr. seg. no. 3:25-26 Mr '63.

KERAMZIT

Keramzit concrete walls for coal preparation plants, T. Tsai, V. Kharitonov, Na stroit. Ros. 3 no. 12:12-13 D '62.

Our experience in the production of keramzit-concrete elements, V. Chubar', Na stroit. Ros. 3 no. 2:22-23 F '62.

The quality of keramzit "sand" is improving, A. Parailanov, B. Farber, A. Polinkovskaya, Na stroit. Ros. 3 no. 2:26-27 F '62.

KERCH PENINSULA—IRON MINES AND MINING

"Iron age," M. Kalganov, V mire knig 2 no. 10:10-11 O '62.

KERET REGION—MICA

Labor organization in the northern mica mines at the turn of the 17th and 18th centuries, E. S. Sizov, Trudy MGAI 16:389-395 '61.

KETONE

Kinetics of the substitution reaction of chlorine atoms in some aryl-β-chlorovinyl ketones, T. A. Kudriavtseva, N. M. Chirkov, N. K. Kochetkov, Dokl. AN SSSR 148 no. 2:347-349 Ja '63.

Synthesis of diacyl acetylenic γ-glycols from saturated methyl ketones and of tetratomic acetylenic alcohol from diacetone alcohol in a benzene medium, V. D. Azatian, M. V. Vasilian, Izv. AN Arm. SSR, Khim. nauki 15 no. 5:493-494 '62.

KETONES

Biophenols. Part 2: Condensation of phenols with ketones in the presence of boron fluoride, I. M. Bilik and others, Zhur. ob. khim. 33 no. 2:487-490 F '63.

Chemistry of vinylacetylene. Report No. 35: Condensation of vinylacetylene and isopropenylacetylene with aldehydes and ketones in the presence of a caustic potash powder without solvent, S. A. Vartanian, V. N. Zhamagortalan, Sh. O. Badanian, Izv. AN Arm. SSR, Khim. nauki 15 no. 5:449-454 '62.

Perchloric acid and its compounds as catalysts in organic synthesis, Part 9: Synthesis of ketones of the pyrrole series, G. N. Dorofeev, A. P. Kucherenko, N. V. Prokof'eva, Zhur. ob. khim. 33 no. 2:586-590 F '63.

Synthesis of some new hydroxy ketones by the Hoesch method, N. A. Rybakova, E. N. Zil'berman, Zhur. ob. khim. 33 no. 2:486-489 F '63.

Tuberculostatic properties of mixed thiosemicarbazone gunnyldrazone 1,3-indandione, a representative of a new type of antitubercular substances, V. I. Grinshteyn and others, Dokl. AN SSSR 147 no. 5:1083-1085 D '62.

KHABAROVSK—MUNICIPAL SERVICES

The fruits of mismanagement, M. Chestnik, Zhil. - kom. khoz, 12 no. 10:24-25 O '62.

KHABAROVSK—RAILROAD ENGINEERING

Graduation of communication engineers by the Khabarovsk Railroad Transportation Institute, N. S. Kuritsyn, Avtom., telemekh. i svyaz' 7 no. 1:40-41 Ja '63.

KHABAROVSK TERRITORY—SERVICE INDUSTRIES

Competition between the service industries of two territories, I. Balaganski, Mest. prom. i khud. promysl. 3 no. 12:2-3 D '62.

KHAKASS AUTONOMOUS PROVINCE—ECONOMIC CONDITIONS

[Materials of the Conference devoted to the 30th Anniversary of the Khakass Autonomous Province] 30-letie Khakasskoi avtonomnoi oblasti: 12 materialov nauchnoi konferentsii. Abakan, Khakasskoe knizhnoe izd-vo, 1961, 97 p.

KHAMAR-DABAN RANGE—BIRDS

Ornithological notes on the western part of the Khamar-Daban (southern Lake Baikal region), M. P. Tarasov, Ornitologiya no. 5:251-256 '62.

KHARKOV—AERIAL SPORTS

Sportmen of a plant, N. Balakin, Kryl. red. 13 no. 12: 24 D '62.

KHARKOV—CONCRETE BLOCKS

Made in Kharkov, Znan. - sila 37 no. 12:6 D '62.

KHARKOV—DESEL ENGINES

Made in Kharkov, Znan. - sila 37 no. 12:6 D '62.

KHARKOV—EDUCATION, HIGHER

Prompted by life, Agitator no. 13:52-55 J1 '62.

KHARKOV—FUR

Production has to be of excellent quality, P. I. Kogan, R. S. Khmel'nitska, Leh. prom. no. 3:65-66 Je-Ag '62.

KHARKOV—HOSIERY INDUSTRY

Making of the heel and sphere-shaped toe on automatic CHA and DCHT circular knitting machines, I. U. M. Kata, Leh. prom. no. 3:50-53 Je-Ag '62.

KHARKOV—MACHINE TOOLS—ATTACHMENTS

Design of multiple machining attachments, V. A. Kupchenko, I. A. P. Samokhlebov, Mashinostroenie no. 6:6-9 N-D '62.

KHARKOV—MACHINERY INDUSTRY

Hidden potentialities are at your elbow, M. Sakhnovskii, Sov. profsoyuz 19 no. 2:10 Ja '63.

KHARKOV—TRACTOR INDUSTRY

Letters to the editor, P. Kachulin and others, Polit. samoebr. 6 no. 10:97-100 O '62.

KHARKOV—TRACTOR INDUSTRY—ACCIDENTS

Dynamics of industrial traumatism in the Kharkov S. Ordzhonikidze Tractor Factory and the measures for its reduction, V. S. Kostrikov, I. S. Efimov, Sov. med. 26 no. 12:76-80 D '62.

KHARKOV, BATTLE OF, 1942

Valuable initiative, M. Cherp. Voen. ist. zhur. vol. 5 no. 1:101-102 Ja '63.

KHARKOV PROVINCE—COMMERCE

Noncontractual relations between the wholesale and retail trade, N. Klepikov, Sov. torg. 35 no. 8:13-17 S '62.

KHARKOV PROVINCE—COMMUNIST EDUCATION

We are promoting materials of the November Plenum of the Central Committee of the CPSU. N. Sherostan. Polit. samobor. 7 no. 1:85-88 Ja '63.

KHAZARS

"History of the Khazars" by M. I. Ariamov. Reviewed by V. V. Mavrodin. Vest. LGU 18 no. 2:145-148 '63.

KHERSON—APARTMENT HOUSES

Houses made of large blocks. V. Goretiskii. Stroitel' 8 no. 1:3-6 Ja '62.

KHERSON—SHIPYARDS

Suggestions of efficiency promoters and inventors of the Kherson Shipbuilding Plant. G. V. Arkhangelskii, V. M. Sulimov. Sudostroenie 29 no. 2:64-65 F '63.

KHERSON—SOIL MECHANICS

Experimental wetting of settling soil in Kherson. A. A. Grigor'ian. Osn., fund. i mekh. grun. 4 no. 1:12-15 '62.

KHERSON—WOODPULP INDUSTRY

New raw materials, new technology, new kind of production. P. I. Masliuk. Bum. prom. 38 no. 1:6-7 Ja '63.

KHERSON PROVINCE—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

From the work practices of the Kherson Economics Council. P. Zaglusboskii. Sots. trud 7 no. 12:34-38 D '62.

KHETAGUROV, KONSTANTIN LEVANOVICH, 1859-1906

Annoying mistakes. E. Pot'akala. Vop. lit. 6 no. 12:167-169 D '62.

KHIBINY MOUNTAINS—PLANT COMMUNITIES

Miniaev, N. A. [Structure of plant associations; based on research material on the blueberry-crowberry series of associations in the Khibiny Mountains] Struktura rastitel'nykh assotsiatsii; po materialam issledovaniia chernichno-voronichnoi serii assotsiatsii v Khibinskoi gornoi massive. Moskva, Izd-vo Akad. nauk SSSR, 1963. 260 p. (Rastitel'nost' Krainego Severa SSSR i ee osvoenie, no. 4)

KHLOK VALLEY—ANTIQUITIES

Archaeological monuments in the Khlok River Valley. P. B. Kononov. Etn. sbor. no. 2:144-147 '61.

KHITAN INSCRIPTIONS see Inscriptions, Khitan

KHIVA OASIS—TURKMEN

"Turkmen of Khiva Oasis in the 19th century" by I. U. E. Bregol'. Reviewed by G. E. Markov. Vop. ist. 38 no. 2:146-148 F '63.

KHMELEV, ALEKSEI NIKOLAEVICH, 1887-

Aleksel Nikolaevich Khmelev. Prep. ist. v shkole 17 no. 6:118-119 N-D '62.

KHOLUY—ART GALLERIES AND MUSEUMS

A gift from the Hermitage Museum. P. Buchkin. Mest. prom. i khud. promys. 3 no. 1:35 Ja '63.

KHOPER PRESERVE—ASPEN

Reconstruction of floodplain aspen plantations by the method of ringing in the Khoper State Preserve; preliminary report. E. G. Gnatenko, I. A. Alekseev. Trudy Khop. gos. zap. no. 5:103-106 '61.

KHOPER PRESERVE—BEAVERS

Materials on the biology of reproduction of the beaver population in the Khoper Preserve. I. U. V. D'akov. Trudy Khop. gos. zap. no. 5:110-129 '61.

KHOPER PRESERVE—BOTANY

Supplement to the flora of the Khoper Preserve. T. B. Protoklitova. Trudy Khop. gos. zap. no. 5:191-192 '61.

KHOPER PRESERVE—DEER—FEEDING AND FEEDS

Forage plants for Japanese deer of the Khoper Preserve. T. B. Protoklitova. Trudy Khop. gos. zap. no. 5:139-172 '61.

KHOPER PRESERVE—FORAGE PLANTS

Forage plants for Japanese deer of the Khoper Preserve. T. B. Protoklitova. Trudy Khop. gos. zap. no. 5:139-172 '61.

KHOREZM OASIS see Khiva Oasis

KHOREZMI LANGUAGE—PARTICLES

Particles in the Khorezmi language. M. N. Bogolubov. Uch. zap. LGU no. 305:81-84 '61.

KHOREZMI LANGUAGE—PRONOUN

Personal pronouns in the Khorezmi language. M. N. Bogolubov. Uch. zap. LGU no. 306:8-15 '62.

KHOROL DISTRICT—COMMUNITY CENTERS

A week in two community centers. S. Hun'ko. Sots. kul't. no. 2:11-13 F '63.

KHOROL DISTRICT—FEEDS

Results of the work of the Khorol Intercollective Farm Fattening Station. S. M. Ponomarenko. Veterinariia 37 no. 7:21-24 Ji '60.

KHOTKEVYCH, HNAT, 1877-1942

Hnat Khotkevych and the first Hucul theater. Stepan Koval'chuk. Mystetstvo 9 no. 6:33-35 N-D '62.

KHRUSHCHEV, NIKITA SERGEEVICH, 1894-

"The building of communism in the U. S. S. R. and the development of Soviet agriculture" by N. S. Khrushchev. Vols. 1-2. Reviewed by M. Khusanov. Komm. Uz. 34 no. 12:87-90 D '62.

KHUMARA—INSCRIPTIONS, RUNC

Inscriptions of the ancient site of Khumara. V. A. Kuznetsov. Sov. arkheol. 7 no. 1:298-305 '63.

KHUREGANOV, DAMBA

New data on D. Khureganov. Z. Tagarov. Etn. sbor. no. 2:157-158 '61.

KIDNEYS

Anatomy of the kidney in the whale. D. F. Iarmak. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:72-75 '68.

Comparative determination of glomerular filtration in dogs by means of the inulin and creatinine methods. G. D. Anikin, E. B. Berkhin. Fiziol. zhur. 48 no. 12:1494-1497 D '62.

Some changes in renal function in portal hypertension before and after surgery. M. P. Postolov, Z. A. Rakitina. Vrach. delo no. 1:124-125 Ja '63.

KIDNEYS—BLOOD SUPPLY

Arterial blood supply to the renal lobules in a comparative morphologic study; preliminary report. D. F. Iarmak. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:76-80 '68.

KIDNEYS—DISEASES

Case of a leukemoid reaction in a woman with chronic hypertensive nephritis. V. A. Gol'berg. Sov. med. 26 no. 12:100-102 D '62.

Clinical aspects and diagnosis of chronic pyelonephritis. V. A. Pilipenko. Vrach. delo no. 1:115-118 Ja '63.

Treatment of hydronephrosis [in Georgian with summary in Russian]. A. F. Gogokhila. Trudy Tbil. GIDUV 6:357-362 '62.

KIDNEYS—HYDATIDS

Clinical aspect of the kidney Echinococcus. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:383-387 '61.

KIDNEYS—SURGERY

Modification of pyelotomy [with summary in English]. N. I. Golubev. Vest. khir. 89 no. 11:48-52 N '62.

Results of treatment of kidney trauma. V. E. Milovidov. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:388-392 '61.

KIDNEYS—TRANSPLANTATION

Study of the functions of renal homographs that have survived in dogs. V. Tishler and others. Fiziol. zhur. 48 no. 12:1488-1493 D '62.

KIDNEYS—WOUNDS AND INJURIES

Morphological and functional changes in the kidneys following experimental gunshot wounds [with summary in English]. S. S. Mikhailov. Vest. khir. 89 no. 11:52-63 N '62.

Results of treatment of kidney trauma. V. E. Milovidov. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:389-392 '61.

KIEV—AERONAUTICAL SOCIETIES

Honorable title. S. Perokalin. Kryl. rod. 13 no. 7:2 Ji '62.

KIEV—ART, UKRAINIAN—EXHIBITIONS

Kiev. Respublikans'ka khudozhna vystavka, 1961. [Republic-wide art exhibition, 1961] Al'bom. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, 1962] 22 p. 99 plates.

KIEV—ART SCHOOLS

Educating the artist. Petro Hovdia. Mystetstvo 9 no. 6:18-19 N-D '62.

KIEV—CERAMIC INDUSTRIES—FINANCE

Incomprehensible liberalism. I. Belous. Fin. SSSR 37 no. 1:74 Ja '63.

KIEV—CHEMICAL INDUSTRIES—EQUIPMENT AND SUPPLIES

The machines came. I. Bel'skii. Mest. prom. i khud. promys. 3 no. 1:29 Ja '63.

KIEV—CHILDREN'S CLUBS

There are many useful things to do in the city too. M. Viktorova. Klub 11 no. 4:28-30 Ap '62.

KIEV—CLOTHING INDUSTRY

Dispatcher system of production control. I. A. M. Movshovich. Leh. prom. no. 3:84-85 Je-Ag '62.

Organization of the multiple-type section assembly line with cycle starting for the manufacture of better quality light coats for men. R. I. Frukhshtein. Leh. prom. no. 3:67-71 Je-Ag '62.

KIEV—CLOTHING INDUSTRY—EQUIPMENT AND SUPPLIES

Machine for splitting "porolon" interlining into layers. I. U. S. Strupinskii. Leh. prom. no. 3:10-12 Je-Ag '62.

KIEV—COMMUNITY CENTERS

Great deeds of a little community center. K. Shishkov. Klub 11 no. 4:5-7 Ap '62.

Summer has come to the city. S. Ruzhovskina. Klub 11 no. 6:24-26 Je '62.

KIEV—ELECTRIC EQUIPMENT INDUSTRY—EQUIPMENT AND SUPPLIES

Automatic thread-rolling machine for bushings. D. B. Guz, I. A. Rubasheva'kii. Leh. prom. no. 3:8-10 Je-Ag '62.

KIEV—EMBOLISM

Organization and first results of the work of a specialized team to control thromboembolic complications in Kiev. N. A. Lengauer and others. Vrach. delo no. 1:100-103 Ja '63.

KIEV—ENSEMBLES (MUSIC), UKRAINIAN

The folk ensemble of the Otkyabr'skiy District of the city of Kiev appears on the stage. D. Dets'. Nar. tvorch. ta etn. 6 no. 3:150-151 '62.

KIEV—EXHIBITIONS

"Through cities of Czechoslovakia." Stroil. i arkhit. 10 no. 2:40 F '62.

KIEV—FIBULA

Openwork fibula from Kiev. I. M. Samoilovskii. Sov. arkheol. 7 no. 1:293-294 '63.

KIEV—FORSYTHIA

Genus Forsythia in the Central Botanical Garden of the Academy of Sciences of the Ukrainian S. S. R. N. A. Liatunova. Biol. Glav. bot. sada no. 45:17-22 '62.

KIEV—FRACTURES

Evaluation of the effectiveness of the treatment of fractures of the long tubular bones in the medical institutions of Kiev. F. R. Bogdanov. Klin. khir. no. 12:13-19 D '62.

KIEV—MONUMENTS

Monument to A. Pushkin in Kiev. Dmytro Ianko. Mystetstvo 9 no. 6:20-21 N-D '62.

KIEV—MOTORCYCLE INDUSTRY—ACCOUNTING

Goralyov, N. M. [Mechanization of accounting in an enterprise] Mekhanizatsiia bukhgalterskogo ucheta na predpriatii. Moskva, Gosfinizdat, 1962. 47 p.

KIEV—SERVICE INDUSTRIES

This is real news! G. Gluzman. Mest. prom. i khud. promys. 3 no. 1:10 Ja '63.

KIEV—TEXTILE FIBERS, SYNTHETIC

Introduction of new processes and equipment. I. G. Shukko. Khim. volok. no. 3:5-17 '62.

KIEV—TEXTILE INDUSTRY

Their own spot. Pavlo Pozniak. Ukraina no. 13:4-5 Ji '62.

KIEV—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Proposals of efficiency promoters adopted by the Kiev Combine of Synthetic Fibers. I. S. Faktorovich, G. N. Dubinska. Leh. prom. no. 3:45-47 Je-Ag '62.

KIEV—TEXTILE MACHINERY

New method of sorting, doubling and winding into rolls of locknit warp fabrics. S. P. Babak. Leh. prom. no. 3:48-50 Je-Ag '62.

KIEV—THROMBOSIS

Organization and first results of the work of a specialized team to control thromboembolic complications in Kiev. N. A. Lengauer and others. Vrach. delo no. 1:108-109 Ja '63.

KIEV—WORLD WAR, 1939-1945

"Kiev, our heroic city; collected materials on the heroic deeds of its people during the Great Patriotic War." Reviewed by V. Klovov. Komm. Ukr. 37 no. 5:67-69 My '62.

KIEV ECONOMIC REGION—CLOTHING INDUSTRY

New developments in the clothing industry enterprises of the Kiev Economic Council. N. F. Chafenko, M. I. U. Glazman. Leh. prom. no. 3:57-59 Je-Ag '62.

KIEV PROVINCE—CHORAL SOCIETIES

Choral societies of Kiev Province. Sots. kul't. no. 2:24-25 F '63.

KIEV PROVINCE—COLLECTIVE FARMS—INTERFARM COOPERATION

From a seasonal plant to an enterprise operating the year round. I. Sirosh. Sil', bud. 13 no. 2:17-18 F '63.

KIEV PROVINCE—SURGICAL SOCIETIES

Minutes of the meetings of the Surgical Society of Kiev and Kiev Province. V. K. Boiko, M. P. Zver'kova. Klin, khir. no. 12:89-96 D '62.

KIEV UNIVERSITY

Education of future specialists. I. Shvets. Kommunist 39 no. 5:89-97 Mr '63.

KILINGI-NOMME REGION—FOREST ROADS

Five years' experience in the construction of forest roads. O. Putnik. Les, khoz. 15 no. 9:58-59 S '62.

KILNS

Kiln for drying power transformer windings. V. Novozhilov. Zhil. -kom, khoz. 12 no. 8:26 Ag '62.

[Kilns and driers of refractory plants] Pechi i sushila ognepornykh zavodov. [By] P. S. Mamykin i dr. Sverdlovsk, Metallurgizdat, 1963. 471 p.

Mironov, B. P. [Inclined tubular kiln for burning vermiculture] Trubchataya naklonnaya pech' dlia obzhiga vermikulita. Leningrad, 1962. 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen pervodnym opytom. Seriya: Stroitel'naya promyshlennost', no. 23) Rapid drying of heavily coated electrodes. A. M. Belnish, I. K. Pokhodnia, V. F. Babenko. Avtom. svar. 16 no. 1: 87-89 Ja '63.

KILNS—EQUIPMENT AND SUPPLIES

Automatic return of tunnel kiln cars. N. F. Shestopalov. Ogneupory 28 no. 2:68-70 '63.

KILNS, ROTARY

Automatic control of the charging of rotary kilns operating on the slurry method. I. A. Gaponov. Ogneupory 28 no. 3:105-106 '63.

KILNS, ROTARY—FOUNDATIONS

Precast reinforced concrete foundations for rotary cement kilns. S. A. Gavrilov, A. A. Zhemchuzhnikov. Sbor. trud. Novorossiyskoprotsessenta no. 1:56-61 '61.

KIMBERLITE see subdivision under Kuoyka Valley; Yakutia

KINDERGARTENS see subdivision under Volgograd; White Russia

KINDERGARTENS—DESIGN AND CONSTRUCTION

New standards for the design of kindergartens and nursery schools. V. Smirnov. Zhil. stroi. no. 1:29 '63.

KINEMATICS OF MACHINERY see Machinery, Kinematics of

KINETIC THEORY OF LIQUIDS see Liquids, Kinetic theory of

KIREEVSKII, PETR VASIL'EVICH, 1808-1866

A collection of lyrical songs compiled by P. V. Kireevskii in the thirties of the 19th century. Z. I. Vlasova. Rus. fol'k. 7:328-342 '62.

KIRGHIZ RANGE—BIRDS

Biology of birds in the alpine part of the Kirghiz Range. A. A. Kuznetsov. Ornitologiya no. 5:215-242 '62.

KIRGHIZ RANGE—SCORPION FLIES

Occurrences of the snow scorpion fly Boreus sp. n. (Mecoptera, Boreidae) in the foothills of the Kirghiz Ala-Tau. S. P. Tarbinskii. Sbor. ent. rab. no. 1:131-136 '62.

KIRGHIZISTAN—AGRICULTURE, COOPERATIVE

Agricultural reform among the Soviet Dzungars. Kh. IUsurov. Izv. AN Kir. SSR. Ser. obshchestv. nauk 2 no. 2:57-60 '60.

KIRGHIZISTAN—ANTS—DISEASES

Mycosis in ants; preliminary report. O. L. Rudakov. Sbor. ent. rab. no. 1:128-130 '62.

KIRGHIZISTAN—BEES

Nesting of leaf-cutter bees in the flower stalks of onions. S. P. Tarbinskii. Sbor. ent. rab. no. 1:137-145 '62.

KIRGHIZISTAN—BOTFLIES—BIOLOGICAL CONTROL

Enemies of botflies. N. A. Cheroshnev. Sbor. ent. rab. no. 1:162-170 '62.

KIRGHIZISTAN—BUILDING MATERIALS INDUSTRY

Mel'nikov, A. A. [Effectiveness of concentrating and mechanizing the production of building materials in Kirghizistan] Effektivnost' konsentratsii i mekhanizatsii proizvodstva stroitel'nykh materialov v Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 166 p.

KIRGHIZISTAN—ENTOMOLOGICAL SOCIETIES

Kirghiz Branch of the All-Union Entomological Society. Sbor. ent. rab. no. 1:197-200 '62.

KIRGHIZISTAN—FRUIT—DISEASES AND PESTS

Entomophagous insects preying on the ermine moths Hyponomeuta malinella L. and H. padella L. in the fruit forests of southern Kirghizistan and ways of their utilization. R. P. Karavaeva, K. E. Romanenko. Sbor. ent. rab. no. 1:10-26 '62.

KIRGHIZISTAN—HORSEFLIES

Studying the fauna of horseflies (Diptera, Tabanidae) of Kirghizistan. Report No. 1. P. A. Chirov, R. V. Grebeniuk, S. P. Tarbinskii. Sbor. ent. rab. no. 1:171-178 '62.

KIRGHIZISTAN—INSECTS, INJURIOUS AND BENEFICIAL

Table for determining common poppy insect pests according to their injuriousness. L. V. Pek. Sbor. ent. rab. no. 1:116-123 '62.

KIRGHIZISTAN—MALARIA—PREVENTION

Control of the carriers of malaria in Kirghizistan. N. P. Roshko. Sbor. ent. rab. no. 1:124-127 '62.

KIRGHIZISTAN—MOSQUITOES

Mosquitoes in natural landforms of Kirghizistan. I. A. Tarvit-Gontar'. Sbor. ent. rab. no. 1:146-161 '62.

KIRGHIZISTAN—MOSQUITOES—EXTERMINATION

Control of the carriers of malaria in Kirghizistan. N. P. Roshko. Sbor. ent. rab. no. 1:124-127 '62.

KIRGHIZISTAN—MOTHS—BIOLOGICAL CONTROL

Entomophagous insects preying on the ermine moths Hyponomeuta malinella L. and H. padella L. in the fruit forests of southern Kirghizistan and ways of their utilization. R. P. Karavaeva, K. E. Romanenko. Sbor. ent. rab. no. 1:10-26 '62.

KIRGHIZISTAN—ONIONS—DISEASES AND PESTS

Nesting of leaf-cutter bees in the flower stalks of onions. S. P. Tarbinskii. Sbor. ent. rab. no. 1:137-145 '62.

KIRGHIZISTAN—POPPY—DISEASES AND PESTS

Table for determining common poppy insect pests according to their injuriousness. L. V. Pek. Sbor. ent. rab. no. 1:116-123 '62.

KIRGHIZISTAN—PUBLIC HEALTH

Our physicians call on every family. Z. Inankalykova. Sov. deput. trud. no. 3:83-85 Mr '63.

KIRGHIZISTAN—SCARABAEIDAE

New representative of the genus Amphimallon Berth (Coleoptera, Scarabaeidae) from Kirghizistan. A. I. Protsenko. Sbor. ent. rab. no. 1:100-104 '62.

KIRGHIZISTAN—STOCK AND STOCKBREEDING

Natural conditions and the calculation of production per 100 hectares of land. L. Grebennikova. Ekon. sel'khoz. 34 no. 2:99-100 F '63.

KIRGHIZISTAN—THRIPS

Notes on the thrips Phloeothrips nodicorris Reut. and Rhynchothrips turkestanicus John. V. V. Iakshontov. Sbor. ent. rab. no. 1:187-191 '62.

KIROV, SERGEI MIRONOVICH, 1886-1934

Baltun, P. K. [A monument to S. M. Kirov in Leningrad; N. Tomskii, the sculptor] Pamiatnik S. M. Kirovu v Leningrade; skulptor N. Tomskii. Leningrad, Khudozhnik RSFSR, 1961. 45 p. 15 plates (Russkaya i sovetskaya skulptura) (MI)

KIROV—CONFECTIONERY

Production expansion in the Kirov confectionery factory. T. V. Plushkina, N. I. Voronina. Kishch. i kond. prom. 7 no. 1:39 Ja '63.

KIROVAKAN—TEXTILE FIBERS, SYNTHETIC

The Kirovakan Factory of Rayon Fibers started its operations. L. Erzikina. Prom. Arm. 5 no. 12:18-20 D '62.

KIROVAKAN REGION—STONE AGE

The Aeneolithic settlement near Kirovakan. E. V. Khanzadian. Sov. arheol. 7 no. 1:152-161 '63.

KIROVOGRAD—CRIMINAL INVESTIGATION

From the practice of a criminological study room. I. A. Tsyprats'kiy. Rad. pravo no. 5:56-58 S-O '62.

KIROVOGRAD PROVINCE—AGRICULTURAL ADMINISTRATION

Our method for increasing grain production. F. Martynov. Part. zhizn' no. 5:19-25 Mr '63.

KIROVOGRAD PROVINCE—POLITICS AND GOVERNMENT

How we try to develop the participation of the Soviet public in the work of executive committees. M. TSarenko, O. Olshko. Rad. pravo no. 1:25-27 Ja-F '63.

KIROVOGRAD REGION—SOCIAL GROUP WORK

We are ready to meet new problems. D. Kovalev. Sots. kul't. no. 2:9-10 F '63.

KISHCHAY VALLEY—BOTANY

Contemporary natural vegetation of the Kishchay River basin, its utilization and condition. L. I. Prilipko, V. D. Gadzhiev. Trudy Inst. bot. AN Azerb. SSR 23:87-105 '62.

KISHINEV—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Voluntary participation in political propaganda. N. Makarchuk. Komm. Mold. 7 no. 5:46-50 My '62.

KISHINEV—CONCRETE PLANTS—SAFETY MEASURES

By common effort. K. Ivanov. Okhr. truda i sots. strakh. 6 no. 2:26-27 F '63.

KITCHENS see subdivision under Czechoslovakia

KIVACH PRESERVE—BIRDS

Birds of the Kivach Preserve. E. V. Ivanter. Ornitologiya no. 5:88-85 '62.

KIYALY—COOPERATIVE SOCIETIES

Consolidated interstate farm cooperative society. V. Viktorov. Koop. Kazakh. 5 no. 10:21-26 O '62.

KLAYPEDA, LITHUANIA see Memel

KLIMOVICH REGION—COMMUNIST EDUCATION

Political education in rural regions. N. Kotov. Komm. Bel. 37 no. 2:35-38 F '63.

KLIN—TEXTILE FACTORIES

N. S. Khrushchev and A. N. Kosygin at the Klin Synthetic Fibers Combine. Khim. volok. no. 3:1 '62.

KLINGER, FRIEDRICH MAXIMILIAN, 1752-1831

"Friedrich Maximilian Klinger; his life and work" [in German] by Olga Smoljan. Reviewed by S. Marglin. Vop. lit. 6 no. 12:224-226 D '62.

KLIUCHEVSKII, VASILII OSEPOVICH, 1841-1911

A review of V. O. Klichevskii's unpublished manuscripts on Russian literature of the 19th century and of the early 20th century. E. G. Chumachenko. Trudy MGAI 16:301-315 '61.

KLYAZ'MA VALLEY—BOTANY

Vegetation of the Klyaz'ma floodlands. P. P. Zhudova. Poim. poch. rus. rav. no. 1:99-132 '62.

KLYAZ'MA VALLEY—SOILS

Seasonal changes in the composition and properties of soils of the Klyaz'ma floodlands. N. G. Zyrin, E. I. Bogoslovskaya. Poim. poch. rus. rav. no. 1:143-196 '62.

Soils of the Klyaz'ma floodlands. G. V. Dobrovolskii, A. P. Lobutov. Poim. poch. rus. rav. no. 1:41-98 '62.

KLYUCHI (PERM PROVINCE)—HEALTH RESORTS, WATERING PLACES, ETC.

Treated as a stepson. A. Kadochnikov. Okhr. truda i sots. strakh. 5 no. 12:19 D '62.

KNEE—SURGERY

Alloplastic restoration of the ligament apparatus of the knee joint. M. V. Gromov. Nauch. trudy Chetv. Mosk. gor. klin. bol'n. no. 1:95-104 '61.

KNEE—WOUNDS AND INJURIES

Comparative evaluation of contrast arthrography as a diagnostic method in lesions of the meniscus of the knee joint. D. S. Tarbaev. Klin. khir. no. 12:27-30 D '62. Treatment of a reactive inflammatory process in closed injuries to the knee joint. B. I. Simenach. Klin. khir. no. 12:33-37 D '62.

KNIT GOODS

Knit capron tie. A. Fedorova. Mest. prom. i khud. promys. 3 no. 12:31 D '62.

Locknit warp fabric for lace and blouses made with synthetic fibers. P. P. Braga, G. M. Kotova, N. O. Stakovichenko. Leh. prom. no. 3:23 Je-Ag '62.

Manufacture of piece-knitted outer garments on circular machines. I. V. Klutuk, I. A. Lipkov, M. P. Feshina. Nauch.-issl. trudy VNIIT no. 2:61-68 '60.

KNIT GOODS INDUSTRY

Ignatova, L. P. [Synthetic fibers in the manufacture of knit goods] Khimicheskio volokna v trikotazhnom proizvodstve. Kiev, Gostekhnizdat, USSR, 1962. 113 p.

New method of sorting, doubling and winding into rolls of locknit warp fabrics. S. F. Babak. Leh. prom. no. 3:48-50 Je-Ag '62.

Results of a trip for the exchange of technological experiences. M. D. Rein. Tekst. prom. 23 no. 1: 64-65 Ja '63.

KNIT GOODS INDUSTRY—LABOR PRODUCTIVITY see subdivision under Armenia

KNITTING, MACHINE

New construction pattern for knitting fabrics made with synthetic fibers. I. U. A. Maksimova, M. P. Dubrovskaya, E. I. Medvedeva. Nauch.-issl. trudy VNIIT no. 2: 98-121 '60.

New type of patterns for the manufacture of warp-knit fabrics. A. A. Neshataev, I. V. Latyshev. Tekst. prom. 23 no. 1:60-63 Ja '63.

Technology of the manufacture of warp-knit capron fabrics imitating lace. G. N. Tutunova, A. G. Bachurina. Nauch.-issl. trudy VNIIT no. 2:122-142 '60.

KNITTING MACHINES

Additional cotton for the loop forming mechanism of the MSPN-16 machine. B. I. A. Repkin, V. I. Elifosov. Leh. prom. no. 3:55 Je-Ag '62.

Causes of the formation of lengthwise streaks in stockings made on automatic circular knitting machines and ways for their elimination. V. M. Volodina. Nauch.-issl. trudy VNIIT no. 2:33-61 '60.

Characteristics of the mechanical properties of hosiery goods in tension. O. S. Syritskaya. Nauch.-issl. trudy VNIIT no. 2:3-33 '60.

- KNITTING MACHINES (Continued)**
 Making of the heel and sphere-shaped toe on automatic ChA and DChT circular knitting machines. IU, M. Kats. Lezh.prom. no. 3:50-53 Je-Ag '62.
 Manufacture of piece-knitted outer garments on circular machines. I. V. Kisliuk, I. A. Lipkov, M. P. Feshina. Nauch.-issl. trudy VNITP no. 2:61-98 '60.
 Mechanization of operations in glove manufacturing. K. A. Lipovets'kiy. Lezh.prom. no. 3:53-54 Je-Ag '62.
 Substituting for knitting needles and hooks. M. Zhelezniak, M. Lagun. Mest.prom. i khud.promys. 3 no. 12:34-35 D '62.
- KNOWLEDGE, THEORY OF**
 Characteristics of the relation of being and consciousness under socialism. N. Nikolaev. Polit. samobor. 7 no. 1:64-69 Ja '63.
 Process of idealization and its role in scientific cognition [with summary in English, pp. 183-184]. D. P. Gorakli. Vop.filos. 17 no. 2:50-60 '63.
 Some problems of the theory of knowledge in the philosophy of Aristotle [in Georgian with summary in Russian]. T. G. Kukava. Trudy Inst. filos. AN Gruz. SSR 11:171-206 '62.
 Theory of knowledge in the contemporary stage of the development of science. M. Rozenal'. Polit. samobor. 7 no. 1:34-45 Ja '63.
- KOBDO, MONGOLIA—DESCRIPTION**
 Two-hundredth anniversary of Kobdo city. Sovr. Mong. 7 no. 9:22-23 S '62.
- KOBYSTAN—GEOLOGY, STRATIGRAPHIC**
 Correlation of the cross sections of the producing formation of the Sangachaly-More - Bulla Island anticlinal zone in the western part of the Apsheron Peninsula and southeastern Kobystan. G. M. Usanov. Azerb. neft, khoz. 41 no. 5:3-7 My '62.
- KOBYSTAN—SEISMIC PROSPECTING**
 Using the reflection sounding method for studying the subsurface tectonics of southwestern Kobystan. V. A. Levi, R. R. Riger. Azerb. neft, khoz. 41 no. 4:4-7 Ap '62.
- KOCHIA**
 Effect of the sowing rate and the contact among seeds during their swelling and germination on the survival and yield of Kochia georgica (L.) Schrad. V. I. Svinarov, I. Khamdamov. Dokl. AN SSSR 148 no. 2:456-458 Ja '63.
- KÖK-TÜRK LANGUAGE** see Old Turkish language
- KOKCHETAV PROVINCE—COMMUNIST EDUCATION**
 A good tradition among propagandists. S. Presniakov. Part. zhizn' Kazakh. 33 no. 2:49-52 F '63.
- KOKCHETAV PROVINCE—RESTAURANTS, LUNCH-ROOMS, ETC.**
 Light in the lunchroom. V. Koniukhov. Koop. Kazakh. 5 no. 4:26-27 Ap '62.
- KOKCHETAV PROVINCE—STOCK AND STOCKBREEDING**
 Potentials for increasing the production of livestock products in the virgin lands. IU. Chernov. Plan, khoz. 40 no. 3:45-49 Mr '63.
- KOLA PENINSULA—GNEISS**
 Nonequilibrium mineral associations of garnet-biotite gneisses in the Kola Peninsula [with summary in English]. L. A. Prilatkina. Vest. LGU 17 no. 24:150-152 '62.
- KOLA PENINSULA—MINERALS**
 Magnesium hastingsite and actinolite from metagabbro-anorthosites in the northeastern part of the Kola Peninsula. I. V. Ginzburg, V. M. Nekrasova. Trudy Min. muz. no. 13:161-168 '62.
- KOLA PENINSULA—PEGMATITES**
 Shurkin, K. A., and others. [Belomorsk complex of northern Karelia and the southwestern part of the Kola Peninsula; geology and pegmatite potential] Belomorskii kompleks Severnoi Karelii i Iugo-zapada Kol'skogo poluostrova; geologiya i pegmatitnosnost'. Moskva, Izd-vo Akad. nauk SSSR, 1962. 305 p. (Akademika nauk SSSR. Laboratoriya geologii dokembrii. Trudy, no. 14)
- KOLDYCHEVO—WORLD WAR, 1939-1945—ATROCITIES**
 Paromchykh, H. I. [The Koldychevo tragedy] Kaldychovskaya tragediya. Minsk, 1962. 73 p. (Biblioteka gazety "Holos Radzimy")
- KOLKHOSES** see Collective farms
- KOLLWITZ, KATHE (SCHMIDT) 1887-1945**
 Beginning of the road. I. Sapego. Iskusstvo 25 no. 11: 53-61 '62.
- KOLOMICHENKO, MIKHAIL ISIDOROVICH, 1892-**
 Prominent Ukrainian surgeon Mikhail Isidorovich Kolomichenko; on his 70th birthday. Klin. khir. no. 11:3-5 N '62.
- KOLOMNA—CATHEDRALS**
 Original appearance of the 14th century cathedral in Kolomna. M. A. Il'in. Sov. arkheol. 7 no. 1:116-124 '63.
- KOLOMYIA—ETHNOLOGICAL MUSEUMS AND COLLECTIONS**
 We popularize the folk art of the Huculs. M. Sakhro. Sots. kul't. no. 2:42 F '63.
- KOLPINO—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING**
 Murachey, V. A. [In close cooperation] V lesnom sozdruzhestve. [Leningrad] Lenizdat, 1962. 25 p.
- KOMANDORSKIYE ISLANDS—BIRDS**
 Rare and new birds of Komandorskiye Islands. S. V. Merakov. Ornitologiya no. 5:166-167 '62.
- KOMAROV, VIKTOR STEPANOVICH**
 Fiftieth anniversary of a choir master's services. E. Sergeev. Zhur. Mosk. Patr. no. 12:13-14 D '62.
- KOMI A. S. S. R.—APARTMENT HOUSES—MAINTENANCE AND REPAIR**
 Repair "militia" in the Komi Republic. F. Toporkov. Zhil.-kom. khoz. 12 no. 10:7 O '62.
- KOMI A. S. S. R.—LANDFORMS**
 Role of the relief in the distribution of precipitation in the Komi A. S. S. R. A. P. Bratsev. Meteor. i gidrol. no. 2:37-39 F '63.
- KOMI A. S. S. R.—PRECIPITATION (METEOROLOGY)**
 Role of the relief in the distribution of precipitation in the Komi A. S. S. R. A. P. Bratsev. Meteor. i gidrol. no. 2:37-39 F '63.
- KOMMUNARSK—CITY PLANNING**
 Kommunarisk. L. Fedosov, E. Belousov. Zhil. stol. no. 1:19-21 '63.
- KONDOPOGA—COMMUNITY CENTERS**
 This is the way we began. V. Kuznetsov. Kul't. -pros. rab. 23 no. 8:23-24 Ag '62.
- KONOTOP—CIVIC IMPROVEMENT**
 Konotop is no longer a small rural town. M. Lushpa. Ukraina no. 1:3 Ja '63.
- KORBALIKHA REGION—PROSPECTING**
 The Korbalkha prospecting party is a party of communist labor. P. P. Cheremnykh, Razved. i okh. nedr. 29 no. 1:62-63 Ja '63.
- KOREA**
 [Korea; general survey] Koreia; obshchii obzor. Pyongyang, Izd-vo lit-ry, na inostr.azykakh, 1961. 266 p.
- KOREA, NORTH**
 Korea (Democratic People's Republic) Osnusong. [Korean People's Democratic Republic] Koreiaskaia Narodno-Demokraticheskaya Respublika. Pod red. Ministerstva Inostrannykh del KNDR. Pyongyang, Izd-vo lit-ry, na inostr.azykakh, 1961. 55 p.
- KOREA, NORTH—AGRICULTURE, COOPERATIVE**
 History of a village. R. Okulov. Az. i Afr. seg. no. 2:29-30 F '63.
- KOREA, NORTH—CAPITAL**
 Accumulations in industry and their utilization in the Korean National Democratic Republic. An Gvan Dzyb. Fin. SSSR 37 no. 1:85-90 Ja '63.
- KOREA, NORTH—CLOTHING INDUSTRY—MANAGEMENT**
 Everybody is boss in the brigade. Kim Sen De. Sov. profsoyuz 19 no. 5:21-22 Mr '63.
- KOREA, NORTH—TRADE UNIONS—OFFICERS**
 Everybody is boss in the brigade. Kim Sen De. Sov. profsoyuz 19 no. 5:21-22 Mr '63.
- KOREAN LANGUAGE—VERB**
 Terminative verbs in the Korean language. G. E. Rachkov. Uch. zap. LGU no. 306:32-45 '62.
- KOROLENKO, VLADIMIR GALAKTONOVICH, 1858-1921**
 Folklore in V. G. Korolenko's "Volga stories." V. K. Arkhangelskaia. Rus. fol'k. 7:115-128 '62.
 V. G. Korolenko and the Nizhny Novgorod Archival Committee. N. N. Mitrofanov. Trudy MGAI 16:281-300 '61.
 V. G. Korolenko's letters from Siberian prisons. Submitted by A. K. Strizhkova. Vop. arkh. 7 no. 3: 110-112 Ji-S '62.
- KORSUN'-SHEVCHENKOVSKIY DISTRICT—FARM MECHANIZATION**
 Each collective farmer should know the fundamentals of agricultural engineering. B. Stetsenko. Sots. kul't. no. 2:14-15 F '63.
- KORYAK RANGE—TREES, FOSSIL**
 A new genus of conifer wood, Yatsenoxylon sibiricum gen. et sp. n. I. A. Shil'kina. Dokl. AN SSSR 148 no. 3:693-695 Ja '63.
- KOSHKIN, MIKHAIL MIKHAILOVICH, 1907-**
 Sokol'nikov, M. P. Mikhail Mikhailovich Koshkin, Leningrad, Khudozhnik RSFSR, 1962. 30 p. port., illus.
 (MH)
- KOSOV—ETHNOLOGICAL MUSEUMS AND COLLECTIONS**
 Sahaidachnyi's Museum. Marila Babil. Ukraina no. 1: 14-15 Ja '63.
- KOSTROMA—PLYWOOD INDUSTRY—HYGIENIC ASPECTS**
 They could do more. A. Petrova, K. Lavrent'eva. Ozh. truda i sots. strakh. 5 no. 12:16 D '62.
- KOSTROMA—TRANSPORTATION, AUTOMOTIVE**
 The boomerang. Sov. profsoyuz 19 no. 6:26-27 Mr '63.
- KOSTROMA PROVINCE—COLLECTIVE FARMS**
 Kornilov, V. G. [Virgin soil of Gatcha] Gatchakata moy. Moskva, Sovetskaya Rossiia, 1962. 71 p.
- KOSTROMA PROVINCE—FOREST MANAGEMENT**
 Ways for increasing the productivity of forest acreage in the subzone of the southern taiga. P. N. Ushatkin, T. I. Ushatina. Les. khoz. 15 no. 9:32-35 S '62.
- KOSTROMA PROVINCE—JEWELRY**
 Jewelers. M. Pavlov. Mest. prom. i khud. promys. 4 no. 2:34-35 F '63.
- KOTOVSK DISTRICT—AGRICULTURAL ADMINISTRATION**
 Production comes first of all! A. Vikonakh. Komen. Mold. 7 no. 1:36-40 Ja '63.
- KOTOVSK DISTRICT—SOCIAL GROUP WORK**
 Deep roots and excellent results. H. Merashon. Sots. kul't. no. 2:5-8 F '63.
- KOTOVSKOYE DISTRICT (MOLDAVIA)—VETERINARY MEDICINE**
 Our contribution to further development in animal husbandry. D. P. Tonev. Veterinarlia 38 no. 10:37-39 O '61.
- KOTURK INSCRIPTIONS** see Inscriptions, Turkish (Old)
- KOUNRADSKIY—COPPER MINES AND MINING**
 Why the Kounrad mine is lagging. Sh. Aliev. Nar. khoz. Kazakh. 20 no. 12:43-45 D '62.
- KOVROV—HISTORY—SOURCES**
 The work of volunteers. N. A. Lialin. Vop. ist. RPSR 7 no. 2:62-65 F '63.
- KOVTIUKH, EPIFAN IOVICH, 1890-1943**
 E. I. Kovtiukh's letter to A. S. Serafimovich, 1924. S. I. Bamdas. Ist. arkh. 8 no. 6:108-107 N-D '62.
- KOZAK, EVGEN, 1905-**
 E. Kozak's adaptations of Ukrainian folk songs. D. M. Fil'is. Nar. tvorch. ta etn. 6 no. 3:70-85 Ji-S '62.
- KRAMATORSK—MACHINERY INDUSTRY—LABOR PRODUCTIVITY**
 Workers' concern about labor productivity. G. Beva. Sots. trud 7 no. 12:71-72 D '62.
- KRAPIVA, KANDRAT, pseud. see Atrakhovich, Kandrak, 1896-**
- KRASNIKOV, VLADIMIR IVANOVICH, 1900-1962**
 Vladimir Ivanovich Krasnikov; obituary. Sov. geo. 5 no. 12:146-148 D '62.
- KRASNODAR TERRITORY—BIOLOGY—STUDY AND TEACHING**
 Contribution of an institute to schools. R. S. Michailova. Vech. sred. shkola 5 no. 6:17-19 N-D '62.
- KRASNODAR TERRITORY—COLLECTIVE FARMS—ACCOUNTING**
 Simplification of original accounting is an urgent matter. I. V. Shcherbina. Uchet i fin. v kol'khoz. i sovkhaz. 20 no. 1:6-7 Ja '63.
- KRASNODAR TERRITORY—CONDENSATE OIL WELLS**
 Russia (1917- R. S. F. S. R.) Komissia po bureniiu. [Drilling in gas and gas-condensate fields] Burenio skvazhin na gazovykh i gazokondensatnykh mestorozhdeniakh; materialy vyezdnoi sessii posolannoi Komissii po bureniiu. Moskva, Gostoptekhizdat, 1962. 159 p.
- KRASNODAR TERRITORY—GAS WELLS**
 Russia (1917- R. S. F. S. R.) Komissia po bureniiu. [Drilling in gas and gas-condensate fields] Burenio skvazhin na gazovykh i gazokondensatnykh mestorozhdeniakh; materialy vyezdnoi sessii posolannoi Komissii po bureniiu. Moskva, Gostoptekhizdat, 1962. 159 p.
- KRASNODAR TERRITORY—LIQUEFIED PETROLEUM GAS**
 Simplified gas distributing center. P. Khokhlov. Zhil.-kom. khoz. 12 no. 10:28-29 O '62.
- KRASNODAR TERRITORY—STOCK AND STOCKBREEDING**
 Uniform index of livestock production. I. Efimov, E. Ogloblin. Ekon. sel'khoz. 34 no. 2:90-94 F '63.
- KRASNODAR TERRITORY—TEACHERS, TRAINING OF**
 Contribution of an institute to schools. R. S. Michailova. Vech. sred. shkola 5 no. 6:17-19 N-D '62.

KRASNODON—MUSEUMS

Propaganda of peace. O. Sevruk. Sots. kul't. no. 2:41 F '63.

KRASNOYARSK—BRIDGE CONSTRUCTION

Erection of the superstructure of the bridge over the Yenisey River in Krasnoyarsk. V. K. Belli, A. M. Epstein. Transp. stroi. 12 no. 7:18-20 JI '62.

KRASNOYARSK—ELECTRIC POWER PLANTS

Experience in the construction of fuel supply galleries and car dumpers in the Krasnoyarsk Thermal Electric Power Plant. E. B. Bamshtein. Energ. stroi. no. 30: 33-35 '62.

KRASNOYARSK—SCHOOLCHILDREN

Hidden potentialities of a work brigade. N. Novoselov, A. Anufriev. Komsom. zhizn' no. 1:24 Ja '62.

KRASNOYARSK REGION—CRYOPEDELOGY

Traces of ancient cryogenic processes and phenomena in the vicinity of Krasnoyarsk. A. I. Litvinov. Trudy Inst. merz. AN SSSR 18:47-62 '62.

KRASNOYARSK TERRITORY—ECONOMIC POLICY

Production specialization and the comprehensive development of the economy of Krasnoyarsk Territory. M. K. Bandman. Sib. geog. sbor. no. 1:54-68 '62.

KRASNOYARSK TERRITORY—INDUSTRIES

Production specialization and the comprehensive development of the economy of Krasnoyarsk Territory. M. K. Bandman. Sib. geog. sbor. no. 1:54-68 '62.

KRASNOYARSK TERRITORY—MINERAL WATERS

Carbonated waters of Krasnoyarsk Territory. N. I. Diluk, A. A. Kirichuk. Razved. i okh. nedr 20 no. 1:50-51 Ja '63.

KRASNOYARSK TERRITORY—OLD BELIEVERS

On the border of black magic. A. Shamara. Nauka i rel. 4 no. 1:21-29 Ja '63.

KRASNOYARSK TERRITORY—PHYSICAL GEOGRAPHY

The system of the physico-geographical regionalization of Krasnoyarsk Territory. I. U. A. Shcherbakov, M. V. Kirillov. Sib. geog. sbor. no. 1:119-130 '62.

KRASNOYARSK TERRITORY—STOCK AND STOCK-BREEDING

Index of livestock production. P. Kanalin. Ekon. sel'-khoz. 34 no. 2:94-96 F '63.

KRASNOYE, LAKE (LENINGRAD PROVINCE)—IRON

Iron occurrences in recent sediments of Lake Punnus-Yarvi. L. E. Shternberg and others. Izv. AN SSSR, Ser. geol. 28 no. 3:93-101 Mr '63.

KREMLIN see Moscow—Kremlin

KRESOL see Cresol

KREUTZWALD, FRIEDRICH REINHOLD, 1803-1882

Mirk, Endel. [Friedrich Reinhold Kreutzwald; biography of the father of our songs] Friedrich Reinhold Kreutzwald; lauluisa elulugu. Tallinn, Eesti Riiklik Kirjastus, 1961, 126 p. [In Estonian]

KRIMULDA—ANTIQUITIES

Archaeological excavations of Livs' burial mounds in Krimulda. J. J. Graudonis, E. J. Tomieson. Sov. arkheol. 7 no. 1:241-252 '63.

KRIVOY ROG BASIN—BORING MACHINERY

Possibilities of increasing the productivity per shift of jet piercing rigs in an open pit of the Krivoi Rog Southern Mining and Ore Dressing Combine. S. A. Zapara, N. I. Liakhov, G. S. Generalov. Gor. zhur. no. 2:39-41 F '63.

KRIVOY ROG BASIN—IRON MINERS—DISEASES AND HYGIENE

Prevention of traumatism and the dispensary treatment of the aftereffects of injuries at some ore mines of the Krivoi Rog Basin. N. P. Novachenko, M. I. Bystritskii, I. S. Efimov. Klin. khir. no. 12:9-13 D '62.

KRIVOY ROG BASIN—IRON MINES AND MINING

Some problems in opening and developing new horizons in the Krivoi Rog Basin. A. A. Kovshulin. Trudy Inst. gor. dela AN URSR no. 11:70-73 '62.

KRIVOY ROG BASIN—IRON ORES

Efficient method of obtaining high-grade iron concentrates in Krivoi Rog Mining and Ore Dressing Combines. F. N. Belash, O. V. Pugina. Gor. zhur. no. 2:61-63 F '63.

KRIVOY ROG BASIN—METALLURGICAL PLANTS

Organizing the assembly of elements of the sintering plant of the New Krivoi Rog Mining and Ore Dressing Combine. N. Bogdanov, E. Karuna, V. Muslik. Stroi. i arkhit. 10 no. 2:5-8 F '62.

KRIVOY ROG BASIN—METASOMATISM

Role of basement rocks in metasomatism as revealed by alkali metasomatites in the Krivoi Rog Basin and Kurak Magnetic Anomaly. V. P. Naumov. Zap. Vses. min. ob-va 91 no. 6:731-738 '62.

KRIVOY ROG BASIN—MINE ACCIDENTS

Prevention of traumatism and the dispensary treatment of the aftereffects of injuries at some ore mines of the Krivoi Rog Basin. N. P. Novachenko, M. I. Bystritskii, I. S. Efimov. Klin. khir. no. 12:9-13 D '62.

KRIVOY ROG BASIN—MINE VENTILATION

Eliminate shortcomings of local ventilation in heading workings in Krivoi Rog Basin mines. V. G. Sliusarenko. Bezop. truda v prom. 7 no. 2:11 F '63.

KRIVOY ROG BASIN—MINING ENGINEERING

Area of use of mining systems in deep horizons in the Krivoi Rog Basin. N. A. Egorov. Trudy Inst. gor. dela. AN URSR no. 11:74-81 '62.

Reply to the article by G. M. Malakhov and others "Breaking ore in a 'compressed' medium in the Dzerzhinskii Mine was not worthwhile"; Gornyi zhurnal, 1962, no. 8. N. S. Domina. Gor. zhur. no. 2:77-78 F '63.

KRIVOY ROG BASIN—ROCKS—TESTING

Tokhuay, G., V. G. Borisenko, and A. A. Tikhonov. [Physico-mechanical properties of rocks in the Krivoi Rog Basin] Fiziko-mekhanicheskie svoystva gornykh porod Krivobassa. Kiev, Gostekhnizdat USSR, 1962, 100 p.

KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1869-1939

"Nadezhda Konstantinovna Krupskaya" by S. M. Levidova, S. Pavlotskaya. Reviewed by L. Frid. Nar. obr. no. 2: 113-115 F '63.

An unknown letter of N. K. Krupskaya. M. V. Vladimirtseva. Ist. arkh. 8 no. 6:180 N-D '62.

KRUZE, ILARII LEONDOVICH, 1910-1962

Ilarii Leonidovich Kruze; obituary. Avt. transp. 41 no. 1: 60 Ja '63.

KUBAN—CORN (MAIZE)

Achievement is not a limit. V. Pervitskii. Agitator no. 2:39-42 Ja '63.

KUBAN—MEASURING INSTRUMENTS—TESTING

Improve the condition of measuring equipment in the Kuban. I. S. Khorol'skii. Izv. tekhn. no. 1:62-63 Ja '63.

KUBAN—OIL WELL CASING

Casing of deep wells under complex geological conditions. A. K. Karaev, O. P. Kol'tsov. Azerb. neft. khoz. 41 no. 5:12-13 My '62.

KUBENKO LAKE REGION—BIRDS

Studying ornithofauna of the Lake Kubeno region in Vologda Province. R. L. Beme. Ornitologiya no. 5: 92-95 '62.

KUKHILYAI—MINERALS

On the new mineral - magnocolumbite. V. V. Matias and others. Dokl. AN SSSR 148 no. 2:420-423 Ja '63.

KUNANBAEV, ABAI, 1846-1904

Stylistic characteristics of the usage of verbs in Abai's poetry [in Kazakh with summary in Russian]. S. Balshanov. Izv. AN Kazakh. SSR. Ser. filol. i lek. no. 3:74-78 '62.

KUNTSEVICH, IOSAFAT, 1580-1623

"Saint Iosafat" and others. Mikola Virnyi. Nauka i rel. 4 no. 1:18-20 Ja '63.

KUOYKA VALLEY—KIMBERLITE

Recent data on the age of kimberlites of the northeastern part of the Siberian Platform in the Kuoyka Basin. I. U. M. Sibirtsev, B. I. Prokopenchuk. Dokl. AN SSSR 148 no. 2:431-432 Ja '63.

KUPALA, IANKA, pseud. see Lutsevich, Ivan

Dominkovich, 1862-1942

KURA LOWLAND—GEOLOGY, STRATIGRAPHIC

Division and correlation of sediments of the Akchagyl stage in the eastern part of the Kura Lowland. A. I. Aliyev, Ad. A. Aliev. Azerb. neft. khoz. 41 no. 7:5-8 JI '62.

KURA LOWLAND—OIL FIELD BRINES

Distribution and source region of iodine-bromine waters in the southeastern part of the Kura Lowland. I. U. B. Giniia, R. A. Martirosov. Azerb. neft. khoz. 41 no. 5: 7-9 My '62.

KURA-TSITSE REGION—OAK, FOSSIL

Tropical oak from the Oligocene of the western Caucasus. V. G. Gaivoronskii. Dokl. AN SSSR 148 no. 3:601-602 Ja '63.

KURAMA RANGE—FAYALITE

Fayalite in granitic rocks and its alteration products (Kurama Range, Central Asia). I. V. Ginzburg and others. Trudy Min. muz. no. 13:16-42 '62.

KURAMA RANGE—MARMOTS

Marmota Menzbieri Kaschkarow, 1825, from Kurama Range. G. S. Davydov. Dokl. AN Tadzh. SSR 3 no. 5: 55-59 '60.

KURBATOV, SERGEI MIKHAILOVICH, 1882-1962

Sergei Mikhailovich Kurbatov; obituary. A. A. Kukharenko. Zap. Vses. min. ob-va 91 no. 6:739-742 '62.

KURCHATOV, IGOR' VASIL'EVICH, 1903-1960

Noteworthy dates in science and technology. Shkola i proizv. 7 no. 1:95-96 Ja '63.

KURCHUM DISTRICT—BOOKSELLERS AND BOOK-SELLING

Free access to books. G. Tatarintsev. Koop. Kazakh. 5 no. 4:46 Ap '62.

KURDAYSKIY DISTRICT—RESTAURANTS, LUNCH-ROOMS, ETC.

Great task. A. Ol'khovskaya. Koop. Kazakh. 5 no. 4: 23-25 Ap '62.

KURDISH LANGUAGE

The Kurmanji, Kurdish, and Guran. D. N. MacKenzie. Nar. Az. i Afr. no. 1:162-170 '63.

KURGAL'DZHINO DISTRICT—COOPERATIVE SOCIETIES

Let's be sensitive to the requirements of our customers. B. Aitkhanova. Koop. Kazakh. 5 no. 10:18-19 O '62.

KURGAN—CONSTRUCTION INDUSTRY

Sad story of the Kurgan Bathhouse. I. I. Omelichkin. Sov. deput. trud. no. 3:110-112 Mr '63.

KURGAN—HISTORY

[The 300th anniversary of the city of Kurgan, 1662-1962] 300 let Kurganu 1662-1962 gg.; kratkii istoricheski ocherk. [By] N. A. Lapin i dr. Kurgan, Izd-vo gazety "Sovetskoe Zaural'e," [1962] 161 p.

KURGAN—WELDING—TECHNOLOGICAL INNOVATIONS

Welding innovator's day in Kurgan. I. U. A. Denisov, I. S. Smirnov. Svar. protzv. no. 2:46 F '63.

KURGAN PROVINCE—HISTORY

Glebov, S. S. [Victory of the Soviet regime in the southern Trans-Urals] Pobeda Sovetskoi vlasti v Iuzhnom Zaural'e. Kurgan, Sovetskoe Zaural'e 1961. 148 p. (MH)

KURMANJI LANGUAGE see Kurdish language

KURSK MAGNETIC ANOMALY—DRAINAGE

Draining the Lebedi strip mine of the Kursk Magnetic Anomaly. G. S. Bagdasarian. Mont. i spets. rab. v. stroi. 25 no. 3:5-8 Mr '63.

KURSK MAGNETIC ANOMALY—METASOMATISM

Role of basement rocks in metasomatism as revealed by alkali metasomatites in the Krivoi Rog Basin and Kursk Magnetic Anomaly. V. P. Naumov. Zap. Vses. min. ob-va 91 no. 6:731-738 '62.

KURSK PROVINCE—AGRICULTURE—STUDY AND TEACHING

Promote progressive practices actively. T. Enina. Kul't. -pros. rab. 23 no. 8:5-7 Ag '62.

KURSK PROVINCE—DESMANS

Preliminary results of artificial distribution of desmans in Kurak and Tomak Provinces. K. G. D'jakova. Trudy Khop. gos. zap. no. 5:131-138 '61.

KURSK PROVINCE—FOLK SONGS

Dul'banluk, P., and P. Lebedev, comp. [Folk songs of Kursk Province] Kurskie narodnye pesni. [Kursk] Kurskoe knizhnoe izd-vo, 1962, 234 p.

KURUSAY REGION—MINERALS—TESTING

Absolute hardness of some hypogene minerals from skarn-complex ore deposits of Kurusay (western Karakum Mountains). V. D. Sazonov. Dokl. AN Tadzh. SSR 3 no. 3:15-19 '60.

KUSTANAY PROVINCE—CONSTRUCTION INDUSTRY—MANAGEMENT

The old practice continues. A. Kapkov. Nar. khoz. Kazakh. 20 no. 11:41-42 N '62.

KUSTANAY PROVINCE—FARM MECHANIZATION

We shall have our own mechanizers. A. Boredin. Pari. zhizn' Kazakh. 33 no. 2:18-22 F '63.

KUSTANAY PROVINCE—IRON MINES AND MINING

Kustanny ore should be the cheapest. N. Sandrigallo. Nar. khoz. Kazakh. 20 no. 11:20-22 N '62.

KUSTANAY PROVINCE—PASSERIFORMES

Effect of the tillage of virgin areas on the abundance of steppe passerines. R. K. Kozhevnikova. Ornitologiya no. 5:320-321 '62.

KUYBYSHEV HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (Lening)

KUYBYSHEV PROVINCE—AGRICULTURE—STUDY AND TEACHING

Students on farms and in workshops. E. Brant. Shkola i proizv. 7 no. 1:92-93 Ja '63.

- KUYBYSHEV PROVINCE—BUILDING MATERIALS INDUSTRY**
Direct all potentials to the further industrialization of construction. M. Chentemirov. Na stroi, Ros. 3 no. 2:18-20 F '62.
- KUYBYSHEV PROVINCE—BUILDING MATERIALS INDUSTRY—ACCOUNTING**
Account for labor expenditures more accurately. N. Arkhangelskii. Sots.trud 8 no. 2:108-111 F '63.
- KUYBYSHEV PROVINCE—COLLECTIVE FARMS**
Thoughts aloud. N. Shagaev. Agitator no. 4:33-34 F '63.
- KUYBYSHEV PROVINCE—CONSTRUCTION INDUSTRY**
Direct all potentials to the further industrialization of construction. M. Chentemirov. Na stroi, Ros. 3 no. 2:18-20 F '62.
- KUYBYSHEV PROVINCE—DOLOMITE**
Nature of dolomite rocks of the Upper Carboniferous of the Kuybyshev trans-Volga region. M. I. Fadeev. Dokl. AN SSSR 147 no. 5:1179-1181 D '62.
- KUYBYSHEV PROVINCE—HISTORY**
Nalakhin, K. I. A. [Studies on the history of Kuybyshev Province (the former Samara Government)] Ocherki istorii Kuybyshevskoi oblasti, byv. Samarskoi gubernii. [Kuybyshev] Kuybyshevskoe knizhnoe izd-vo, 1962, 621 p.
- KUYBYSHEV PROVINCE—MILITARY EDUCATION**
Your sacred debt. O. Morozov. Komsom. zhizn' no. 1: 20-22 Ja '62.
- KUYBYSHEV PROVINCE—PETROLEUM GEOLOGY**
Prospecting for lithologic oil pools. B. A. Novoselov. Geol. nefi i gaza 9 no. 9:36-39 S '62.
- KUYBYSHEV PROVINCE—ROCKS, CARBONATE—TESTING**
Effect of fracturing and dolomitization of carbonate rocks on their specific resistance. B. E. Feldman, A. T. Bolarov. Geol. nefi i gaza 7 no. 2:34-38 F '63.
- KUYBYSHEV PROVINCE—SWEET CLOVER**
Sweet clover as a possible leguminous forage crop. I. U. Makarychev. Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:45-47 '62.
- KUYBYSHEV RESERVOIR**
First Technological Conference for Studying the Kuybyshev Reservoir. M. S. Kaveev, P. S. Khabibullina. Izv. AN SSSR, Ser. geol. 28 no. 2:120 F '63.
- KUYBYSHEV RESERVOIR—BENTHOS**
Benthos of the bays of Kuybyshev Reservoir according to observations made in 1957-1959. G. P. Karataevskaya. Trudy Tat. otd. GosNIORKH no. 9:106-128 '60.
Formation of benthos in Kuybyshev Reservoir during the first years after its completed flooding. Q. V. Aristovskaya. Trudy Tat. otd. GosNIORKH no. 9:71-105 '60.
- KUYBYSHEV RESERVOIR—BLISCA**
Observations on the growth and the age of sexual maturity of Blisca bjoerka during the first years after the construction of Kuybyshev Reservoir. L. M. Khuzeeva. Trudy Tat. otd. GosNIORKH no. 9:280-290 '60.
- KUYBYSHEV RESERVOIR—BREAM**
Observations on the growth and the age of sexual maturity of the bream Abramis ballerus in Kuybyshev Reservoir in 1958 and 1959. I. V. Egereva, I. U. M. Makhotin. Trudy Tat. otd. GosNIORKH no. 9:270-278 '60.
State of the stocks and the rate of growth of bream in Kuybyshev Reservoir; based on observations made in 1958 and 1959. A. V. Lukin. Trudy Tat. otd. GosNIORKH no. 9:253-269 '60.
- KUYBYSHEV PROVINCE—BURBOT**
Growth, food, and fertility of burbot in Kuybyshev Reservoir. I. U. M. Makhotin. Trudy Tat. otd. GosNIORKH no. 9:291-296 '60.
- KUYBYSHEV RESERVOIR—FISHES**
Observations on the reproduction of some fishes in the lower part of the Kama arm of Kuybyshev Reservoir in the spring of 1958 and 1959. K. I. Vasilin. Trudy Tat. otd. GosNIORKH no. 9:195-210 '60.
Reproduction of basic commercial fishes in Kuybyshev Reservoir near Ulyanovsk. S. S. Gainiev. Trudy Tat. otd. GosNIORKH no. 9:211-224 '60.
- KUYBYSHEV RESERVOIR—FISHES—FOOD**
Materials on the feeding habits of bream, sterlet, Blisca bjoerka and pike perch in Kuybyshev Reservoir. I. V. Egereva. Trudy Tat. otd. GosNIORKH no. 9:153-194 '60.
- KUYBYSHEV RESERVOIR—FISHING—EQUIPMENT AND SUPPLIES**
Fishing implements and methods of their use in Kuybyshev Reservoir. K. S. Goncharenko. Trudy Tat. otd. GosNIORKH no. 9:332-344 '60.
- KUYBYSHEV RESERVOIR—FISHING NETS**
Comparative catching capacity of frame and single-wall nets used in Kuybyshev Reservoir. K. S. Goncharenko. Trudy Tat. otd. GosNIORKH no. 9:345-348 '60.
- KUYBYSHEV RESERVOIR—FRESHWATER FAUNA**
A short description of the living conditions of fishes and aquatic animals in Kuybyshev Reservoir in 1958 and 1959. A. V. Lukin. Trudy Tat. otd. GosNIORKH no. 9: 5-10 '60.
- KUYBYSHEV RESERVOIR—OLIGOCHAETA**
Materials on the oligochaeta of Kuybyshev Reservoir in 1958 and 1959. V. V. Izosimov. Trudy Tat. otd. GosNIORKH no. 9:129-140 '60.
Oligochaetes in the Kama arm of Kuybyshev Reservoir. N. G. Ekaterinskaya. Trudy Tat. otd. GosNIORKH no. 9:141-152 '60.
- KUYBYSHEV RESERVOIR—PELECUS**
Growth of Pelecus cultratus (L.) in Kuybyshev Reservoir in 1958 and 1959. T. P. Koroleva. Trudy Tat. otd. GosNIORKH no. 9:297-306 '60.
- KUYBYSHEV RESERVOIR—PIKE**
Evaluation of the state of the stocks of pike in Kuybyshev Reservoir based on materials collected in 1958 and 1959. B. P. Autko. Trudy Tat. otd. GosNIORKH no. 9: 316-331 '60.
- KUYBYSHEV RESERVOIR—PIKE PERCH**
State of the stocks and the rate of growth of pike perch in Kuybyshev Reservoir during the first years after its completed flooding (1957-1959). A. V. Lukin. Trudy Tat. otd. GosNIORKH no. 9:243-252 '60.
- KUYBYSHEV RESERVOIR—ROACH (FISH)**
Growth of the roach Rutilus rutilus fluviatilis in Kuybyshev Reservoir. T. P. Koroleva. Trudy Tat. otd. GosNIORKH no. 9:307-315 '60.
- KUYBYSHEV RESERVOIR—STURGEONS**
Observations on the distribution and growth of sterlets in Kuybyshev Reservoir in 1958 and 1959. L. R. Batyeva, A. V. Lukin. Trudy Tat. otd. GosNIORKH no. 9: 229-242 '60.
Sturgeon. A. V. Lukin. Trudy Tat. otd. GosNIORKH no. 9:225-228 '60.
- KUYBYSHEV RESERVOIR—TEMPERATURE**
Thermal and bihydrochemical conditions in Kuybyshev Reservoir in 1958-1959. I. V. Baranov. Trudy Tat. otd. GosNIORKH no. 9:11-39 '60.
- KUYBYSHEV RESERVOIR—WATER—COMPOSITION**
Thermal and bihydrochemical conditions in Kuybyshev Reservoir in 1958-1959. I. V. Baranov. Trudy Tat. otd. GosNIORKH no. 9:11-39 '60.
- KUYBYSHEV RESERVOIR—ZOOPLANKTON**
Zooplankton of Kuybyshev Reservoir according to the observations made in 1958 to 1959. E. R. Chernysheva, K. N. Sokolova. Trudy Tat. otd. GosNIORKH no. 9:40-70 '60.
- KUZ'NICKI (MOSCOW PROVINCE)—VETERINARY COLLEGES**
Lenin lived in Kuz'minki. I. I. Iakovlev. Veterinarika 37 no. 11:16-18 N '60.
- KUZNETSK BASIN—APARTMENT HOUSES**
Use of prefabrication techniques in housing construction in the Kuznetsk Basin. M. Balinov. Na stroi, Ros. 3 no. 12:2-4 D '62.
- KUZNETSK BASIN—BRACHIOPODA, FOSSIL**
Alekseeva, R. E. [Devonian Atrypa of the Kuznetsk and Mambinsk Basins and the eastern slope of the Northern Urals] Devonskie atripydy Kuznetskogo i Mambinskogo basseinov i vostochnogo sklona Severnogo Urala. Moskva, Izd-vo Akad. nauk SSSR, 1962, 195 p. tables.
- KUZNETSK BASIN—COAL MINERS**
With attention and care. N. Poluianov. Sov. profsoiuzy 19 no. 3:23 F '63.
- KUZNETSK BASIN—COAL MINES AND MINING**
Grafov, L. E., ed. [Development and improvement in the technology of coal production] Razvitiye i sovshchenstvovanie tekhniki dobychi uгля. Moskva, Gosgortekhnizdat, 1962, 359 p.
Increase the fight against coal losses during mining in Kuznetsk Basin mines. T. D. Korovin. Razved. i okh. nedr 20 no. 1:43-46 Ja '63.
- KUZNETSK BASIN—COAL MINES AND MINING—SAFETY MEASURES**
The most important thing is technical progress. L. E. Grafov. Bezop. truda v prom. 6 no. 11:3-4 N '62.
- KUZNETSK BASIN—COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS**
It is necessary to mechanize manual labor. S. Golyshkin. Nar. khoz. Kazakh. 20 no. 11:34-35 N '62.
- KUZNETSK BASIN—INDUSTRIES**
Forefront of socialism in Siberia. A. S. Mazlukov, L. I. Prokova. Vop. ist. KPSS 7 no. 1:114-119 Ja '63.
- KUZNETSK BASIN—IRON AND STEEL WORKERS**
Sports and the health of the steel workers of the Kuznetsk Basin. I. A. Tsadikov, G. G. Sanolan. Teor. i prak. fiz. kul't. 25 no. 12:45-47 D '62.
- KUZNETSK BASIN—PRECAST CONCRETE CONSTRUCTION**
Use of prefabrication techniques in housing construction in the Kuznetsk Basin. M. Balinov. Na stroi, Ros. 3 no. 12:2-4 D '62.
- KUZNETSK BASIN—ROAD CONSTRUCTION**
Road-construction workers of the Kuznetsk Basin help farmers. V. Somov. Avt. dor. 25 no. 8:8-D Ag '62.
- KUZNETSK BASIN—SPORTS**
Sports and the health of the steel workers of the Kuznetsk Basin. I. A. Tsadikov, G. G. Sanolan. Teor. i prak. fiz. kul't. 25 no. 12:45-47 D '62.
- KUZNETSK BASIN—STEEL INDUSTRY**
How the steel workers of the Kuznetsk Basin have struggled for the victory of communist labor, 1955-1961. S. K. Kravko. Vop. ist. KPSS 7 no. 2:55-66 F '63.
- KVIATKOVSKII, VLADIMIR STANISLAVOVICH, 1892-**
The 70th birthday of Vladimir Stanislavovich Kviatkovskii. Gidr. stroi. 32 no. 8:81-82 S '62.
- KYTLYM REGION—PLATINUM**
Contact phenomena in the formation of "kyltymites" in the Kytlym platinum-bearing massif. A. A. Efimov. Mat. po geol. i pol. iskop. Urala no. 10:117-146 '62.
- KYTLYM REGION—ROCKS**
Contact phenomena in the formation of "kyltymites" in the Kytlym platinum-bearing massif. A. A. Efimov. Mat. po geol. i pol. iskop. Urala no. 10:117-146 '62.
- KYTINGDE VALLEY—GEOLOGY, STRUCTURAL**
Recent data on the tectonics of the Kytingde transverse trough in the Northeast of the Siberian Platform. E. S. Kuteinikov, V. V. Istratov. Dokl. AN SSSR 148 no. 2: 414-417 Ja '63.
- KYZYL-AGACH PRESERVE—BIRDS IN WINTER**
Wintering of flamingo in the Kyzyl-Agach Preserve. V. S. Grekov. Ornitologiya no. 5:356-361 '62.
- KYZYL-AGACH PRESERVE—FLAMINGOS**
Wintering of flamingo in the Kyzyl-Agach Preserve. V. S. Grekov. Ornitologiya no. 5:356-361 '62.
- KZYL-ORDA PROVINCE—AGRICULTURE—EXPERIMENTATION**
One of the trends in experimental work of the students of Kzyl-Orda Province. D. B. Kolanbaev. Sikoia i prozv. 6 no. 8:59-63 Ag '62.
- KZYL-ORDA PROVINCE—REPAIRING**
Workshop on wheels. Zh. Muzapharov. Koop. Kazakh. 5 no. 4:28 Ap '62.
- LABA VALLEY—GREENSTONE**
Polymetamorphism of geosynclinal basite series within the Cambrian-Silurian greenstone layer in the Little Laba Valley. V. V. Plosko, V. I. Klitina. Trudy GIM no. 77:225-256 '62.
- LABA VALLEY—METAMORPHISM (GEOLOGY)**
Polymetamorphism of geosynclinal basite series within the Cambrian-Silurian greenstone layer in the Little Laba Valley. V. V. Plosko, V. I. Klitina. Trudy GIM no. 77:225-256 '62.
- LABA VALLEY—PORPHYRYTES**
Middle Paleozoic alkali porphyrytes in the Laba basin (Northern Caucasus). N. P. Lupanova, V. T. Kudryavtsev. Trudy IGEM no. 77:115-129 '62.
- LABINSK DISTRICT—COLLECTIVE FARMS—AUDITING AND INSPECTION**
We are strengthening economic work on collective and state farms. G. M. Kolomeitseva. Uchet i fin. v kolhoz. i sovkh. 20 no. 1:35-37 Ja '63.
- LABOR, COMPLICATED**
Hemorrhages in the last months of pregnancy and in labor. V. A. Pokrovskii. Sov. med. 26 no. 12:70-75 D '62.
Labor complicated by subcutaneous emphysema. N. M. Antinogenova, A. K. Poplavskii. Sov. med. 26 no. 12: 68-69 D '62.
- LABOR AND LABORING CLASSES**
(see also subdivision under Africa; Asia; Baku; Balkan Peninsula; Buryat A. S. S. R.; Europe; Western France; Lithuania; Mongolia; Siberia; Ukraine; United States)
According to the law of honor and duty. Kul't. - pros. rab 23 no. 12:2-3 D '62.
Bakhtin, M. I. [Union of workers and peasants during the reconstruction of the national economy, 1921-1925] Soluz rabochikh i krest'ian v gody vosstanovleniya narodnogo khoziatstva, 1921-1925. Moskva, Sotsekgiz, 1961, 201 p. (MI)
By work or by prayer. G. Suglov, Kul't. - pros. rab 23 no. 12:38-41 D '62.
"The economist's labor manual" by S. Kh. Gur'janov, I. A. Poliakov, K. S. Remizov. Reviewed by A. Makimov, V. Novikov. Sots. trud 7 no. 12:146-149 D '62.

LABOR AND LABORING CLASSES (Continued)

- From the editor's mail. Sots. trud 8 no. 1:125-127 Ja '63.
- Letters from the editor. Sov. profsoiuzy 10 no. 2:30 Ja '63.
- Letters from the editor. Sov. profsoiuzy 10 no. 5:20-27 Mr '63.
- The people and the army are indivisible. S. Gurtovoi. Sov. profsoiuzy 19 no. 3:22-23 F '63.
- Searchers. V. Smirnov. Vokrug sveta no. 11:2-4 N '62.
- "Short history of the labor movement in Russia; 1861-1917." Reviewed by A. S. Trofimov. Prep. ist. v shkole 18 no. 1:104-105 Ja-F '63.
- "Soviet workers during the reconstruction of the national economy, 1921-1925" by A. A. Matugin. Reviewed by O. I. Shkaratan. Vop. ist. 38 no. 2:133-135 F '63.
- Studies of the Research Institute of Labor completed in 1962. Sots. trud 8 no. 1:140 Ja '63.
- "Studying the labor of the people in a course on the history of the U. S. S. R." by L. I. Zakotnova. Reviewed by L. S. Kuz'mina. Prep. ist. v shkole 17 no. 6:105-106 N-D '62.
- Work intensification as the most important factor in increasing the relative and absolute impoverishment of the proletariat. V. Patrusev. Sots. trud 8 no. 1:11-17 Ja '63.
- Zaitsev, R. L., and V. N. Semonov. [Transformation of socialist labor into communist labor. The transition to the communist principle of distribution according to needs] Pererastanie sotsialisticheskogo truda v kommunisticheskii trud. Pereklad k kommunisticheskomu printsipu raspredeleniia po potrebnostiam. Moskva, Vysshata shkola, 1962. 57 p. (Materialy k lektsiiam po politekonomii)

LABOR AND LABORING CLASSES—BIBLIOGRAPHY see Bibliography—Labor and laboring classes

LABOR AND LABORING CLASSES—DWELLINGS see subdivision under Minsk; Rome

LABOR AND LABORING CLASSES—EDUCATION (see also subdivision under Kazakhstan)

People of restless happiness. A. Bezrukov. Komsom. zhizn' no. 1:12-13 Ja '62.

LABOR AND LABORING CLASSES—MEDICAL CARE (see also subdivision under White Russia)

Improve the medical care given the workers of industrial enterprises. Sov. zdav. 22 no. 2:3-6 '63.

Medical care for the workers of an industrial enterprise. V. Raikina. Sov. zdav. 22 no. 2:18-24 '63.

LABOR AND LABORING CLASSES—PERIODICALS

Trade journals and labor problems. N. Dmitriev. Sots. trud 7 no. 12:149-155 D '62.

LABOR AND LABORING CLASSES—RESEARCH

Praiseworthy initiative of a district committee of the CPSU. Sots. trud 7 no. 6:149-149 Je '62.

Scholarly research on labor problems in 1962. Sots. trud 7 no. 6:145-148 Je '62.

LABOR COURTS (see also subdivision under Dnepropetrovsk; Moscow; Ukraine)

Advice for fellow workers' courts. Rad. pravo no. 5:44-45 S-O '62.

Answering our readers' questions. Sov. iust. no. 5:30-31 Mr '63.

"Fellow workers' court" by M. Rudenko. Reviewed by M. Baru. Rad. pravo no. 1:147 Ja-F '63.

The fellow workers' court. S. Afanas'ev, M. Panina. Rabotnitsa 40 no. 3:30 Mr '62.

Tudel'son, K. S. [Practical commentary to regulations on "fellow workers' courts"] Polozhenie o tovarishcheskikh sudakh; prakticheski kommentarii. Moskva, Gosizdat, 1962. 211 p.

Our legal advice. Rad. pravo no. 1:54-57 Ja-F '63.

LABOR DISCIPLINE see subdivision under Ukraine

LABOR DISPUTES (see also subdivision under Europe, Eastern; Novokuznetsk)

Labor disputes and factory and plant local committees. S. Tseitlin. Sov. profsoiuzy 10 no. 4:20 F '63.

LABOR ECONOMICS

"Labor economics in the U. S. S. R.," edited by A. S. Kudriavtsev. Reviewed by E. Granovskii, V. Tsvetkovskii. Sots. trud 7 no. 12:140-146 D '62.

LABOR INSPECTION

Effective organ. V. Smirniagin. Zhil.-kom. khoz. 12 no. 9:13-14 S '62.

LABOR JOURNALISM see Journalism, Labor

LABOR LAWS AND LEGISLATION

Consultation on labor law and wage problems. Razved. i okh. nedr 20 no. 1:63-64 Ja '63.

"Contemporary labor legislation of imperialistic states in the service of monopolies," edited by M. G. Aleksandrov. Reviewed by D. Ereminov, K. Urzhinskii. Sots. trud 8 no. 2:155-158 F '63.

Davidovich, I. A. I., and B. F. Khrustalev. [Hiring, transfers, labor discipline and dismissal of workers] Priem na rabotu, perevod, disiplina truda i uvolnenie rabotnikov. [Leningrad] Izd-vo Leningr. univ., 1962. 125 p.

Gol'dshteyn, M. I., V. S. Korotkov, and A. G. Fastikovskii. [What the trade-union activist group should know about labor legislation] Chto dolzhen znat' profsoiuznyi aktiv o trudovom zakonodatel'stve. [Moskva] Profizdat, 1961. 125 p. (Biblioteka profsoiuznogo aktivista, no. 17/18)

Legal status of temporary workers. A. Epshtein. Sots. trud 7 no. 6:126-133 Je '62.

Leningrad, Universitet. [Legal status of Soviet trade unions] Pravo vo polozenie professional'nykh soluzov SSSR. [Leningrad] 1962. 145 p.

Respect Soviet laws. Sov. profsoiuzy 10 no. 4:1-2 F '63.

A review of new labor laws. Sots. trud 7 no. 6:150-151 Je '62.

Struggle against the violation of labor laws is an important objective of Soviet courts. N. Sergeeva. Sov. iust. no. 5:4-7 Mr '63.

Survey of labor legislation. Sots. trud 8 no. 2:144-146 F '63.

LABOR PASSPORTS

(see also subdivision under Aginsky District)

Labor passports. A. Podrezov. Sots. trud 7 no. 6:135-136 Je '62.

LABOR PRODUCTIVITY

(see also subdivision under Uzbekistan)

The "economic law of increasing labor productivity" by N. Evstaf'ev. Reviewed by M. Demchenko. Sots. trud 8 no. 2:147-151 F '63.

Increasing labor productivity is the main condition in the building of communism. N. Ornelin. Nar. khoz. Uzb. 4 no. 12:81-85 D '62.

Leningrad, Universitet. [Hidden potentials for increasing labor productivity in the national economy] Rezervy rosta proizvoditel'nosti truda v narodnom khozdatstve. [Leningrad] Izd-vo Leningr. univ., 1962. 223 p.

School and labor productivity. K. E. Vainshtelnar. Vech. ared. shkola 5 no. 5:28-29 S-O '62.

The size of industrial enterprises and labor productivity. P. Kirovov. Vop. ekon. no. 1:29-39 Ja '63.

"Socialist competition and labor productivity" by V. M. Kosachev. Reviewed by P. Petrov. Sots. trud 8 no. 1:145-148 Ja '63.

Sources for increasing labor productivity. Sots. trud 7 no. 12:53-57 D '62.

Theory of labor productivity and problems in the development of science and technology. G. A. Shaumian. Izv. vya. ucheb. zav.; mashinostr. no. 9:5-14 '62.

Toward new summits in the building of communism. Sots. trud 8 no. 1:3-10 Ja '63.

Use labor intensity indices as the base for planning work in an enterprise. V. Danilovich, N. Krivtsov, P. Rozhin. Sots. trud 8 no. 2:87-97 F '63.

LABOR PRODUCTIVITY—BIBLIOGRAPHY see Bibliography—Labor productivity

LABOR REST HOMES see subdivision under Leningrad; region (East Kazakhstan Province)

LABOR SUPPLY

Employment as a problem of society and the individual. G. I. Zelenko. Sov. Soluz. no. 9:40-41 '62.

LABORATORY ANIMALS

Effect of royal jelly preparation on the development of young white mice. M. P. Vasil'eva. Inform. biol. o mat. molekul. no. 3:16-19 '62.

Effect of various doses of royal jelly preparation on white mice. V. F. Lupachev. Inform. biol. o mat. molekul. no. 3:20-26 '62.

Possibility of using white rats for determining the quality of bacterial preparations [with summary in English]. B. G. Trukhmanov, E. I. Kleiman, L. A. Egorshina. Trudy TomNIIVS 11:292-298 '60.

LABORATORY ANIMALS—DISEASES

Changes in the organs of horses used for the production of serum against tick-borne encephalitis [with summary in English]. A. M. Khlopov and others. Trudy TomNIIVS 11:311-318 '60.

LABYRINTH (EAR)—DISEASES

Cochlear vestibular syndrome in tumors of the cerebral aqueduct. A. E. Sviridova. Probl. sov. neirokhir. 4: 249-256 '62.

Conservative treatment of patients affected by limited labyrinthitis caused by cholesteatoma of the middle ear. V. S. Pogonov, S. M. Gurvich. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:283-286 '61.

LABYRINTH (EAR)—INNERVATION

Changes in the vestibular analyzer under the influence of streptomycin [with summary in English]. V. S. Cherkasov. Zhur. ush., nos. i gorl. bol. 22 no. 4:51-56 Ji-Ag '62.

LACHIN DISTRICT—LICHENS

Materials on the flora of Lichens in the southern part of the Lesser Caucasus (Lachin District) [in Azerbaijani with summary in Russian]. Sh. O. Barkhalov. Trudy Inst. bot. AN Azerb. SSR 23:65-86 '62.

LACQUER AND LACQUERING

Ialovenko, G. V. [Russian lacquer art] Russkie khudozhestvennye laki. [2. izd.] Moskva, Vses. koop. izd-vo 1960. 49 p. 15 illus. (Khudozhestvennye promysly RSFSR) (MII)

LACRIMAL ORGANS

Anatomy of the tear abduction apparatus of the eye in man and in some vertebrates. I. N. Khorevin. Shor. nauch. trud. Vin. der. med. inst. 18 no. 2:95-102 '56.

LACTATION

Effect of royal jelly preparation in increasing lactation in puerperas and on the weight recovery of newborn infants. V. L. TSveer. Inform. biol. o mat. molekul. no. 3: 95-108 '62.

Iakovlev, V. G. [Lactation biochemistry] Biokhimiia laktatsii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 220 p.

Materials on reflex regulation of the milk-secreting function of mammary glands [with summary in English]. A. D. Vladimirova. Vest. LGU 18 no. 3:99-106 '63.

Pathological derangements in the lactation of highly productive cows and methods of their elimination. V. M. Koropov. Veterinariia 37 no. 11:55-57 N '60.

LACTIC ACID BACTERIA

Effect of sodium chloride on the lactic acid bacteria in the dough. B. I. A. Golant. Khleb. i kond. prom. 7 no. 1:40 Ja '63.

Protective action of vaginal bacilli. Report No. 1: Antagonistic properties of vaginal bacilli. E. N. Rysakova. Shor. rab. Sverd. med. inst. no. 32:142-146 '61.

Protective action of vaginal bacilli. Report No. 2: Antibiotic properties of vaginal bacilli. E. N. Rysakova. Shor. rab. Sverd. med. inst. no. 32:146-152 '61.

LACTONES

Preparation of 5-alkoxy-(nroxy-, phthalimido)-lactones. S. V. Arakelian and others. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:439-442 '62.

LACTONITRILE

Interaction of acetone cyanohydrin and allyl alcohol with trialkoxystibine. E. K. Ignat'eva, E. V. Kuznetsov. Zhur. ob. khim. 33 no. 2:617-622 F '63.

LADDERS—SAFETY APPLIANCES

Not every ladder is safe. Ezhi Ouzheshe. Okhr. truda i sots. strakh. 6 no. 2:40 F '63.

LAGOS—EXHIBITIONS

Good luck, Nigeria! K. Gelvandov. Az. i Afr. seg. no. 2:24-25 F '63.

LAKES see subdivision under Riga region; Uzbekistan

LAKSHOZERO, LAKE—BLICCA

Blicca bjoerkna (L.) in Lake Lakshozero. L. A. Kuder'skii, O. I. Potapova. Trudy Kar. fil. AN SSSR no. 33: 38-48 '62.

LAMARCK, JEAN-BAPTISTE DE, 1744-1829

"Jean-Baptiste de Lamarck and the theory of the evolution of living organisms" by I. M. Pollakov. Reviewed by G. N. Chernov. Vop. filos. 17 no. 2:177-179 '63.

LAMBS—DISEASES AND PESTS see subdivision under Samarkand Province

LAMELLIBRANCHIATA, FOSSIL see subdivision under Turkmenistan

LAMINATED METALS

Effect of various additions to the bath for dip calorizing on the thickness of the intermetallic zone. M. E. Semenov. Lit. profiz. no. 7:26-27 Ji '62.

Investigating the cold rolling of the bimetal Armo iron-ASM alloy. A. V. Tret'yakov, B. E. Lokshin, G. K. Trofimov. TSvet. met. 35 no. 12:46-53 D '62.

Shaping bimetal by pressure. M. I. Brovman, I. U. S. Dodin. Kuz.-stann. proizv. 5 no. 1:3-5 Ja '63.

LAMINATED METALS—WELDING

"Welding two-layer steel apparatuses for the chemical and petroleum industries; instructions." Book review by A. M. Ponzovtsov. Avtom. svar. 15 no. 12:86 D '62.

LAMINATED PLASTICS

Shalun, G. B. [Laminated plastics and glass plastics for the electric equipment industry] Stoiatsya plastiki i stekloplastiki dlia elektrotekhnicheskoi promyshlennosti. Leningrad, 1962. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Omen peredovym opytom. Seriya: Sinteticheskie materialy, no. 7)

Characteristics of strength and elasticity of a laminated wood plastic taking anisotropy into account. A. A. Kritsuk. Plast. massy no. 2:58-61 '63.

LAMINATED PLASTICS—TESTING

Characteristics of strength and elasticity of a laminated wood plastic taking anisotropy into account. A. A. Kritsuk. Plast. massy no. 2:58-61 '63.

LAND

"Land organization planning," edited by S. A. Udachin. Reviewed by M. Gendelman and others. Ekon. sol.-khoz. 34 no. 2:119-123 F '63.

- LAND BURNING** see Burning of land
- LAND SETTLEMENT** see subdivision under Soviet Far East
- LAND TENURE**
(see also subdivision under Kenya; Volhynia)
Characteristics of feudal land tenure in the second half of the 17th century. G.S. Liadina. Trudy MGLAI 10: 397-407 '61.
More about some problems in the history of the agrarian revolution. I.U.A. Polakov. Vop. ist. 38 no. 2:206-209 F '63.
- LANDFORMS** see subdivision under Bol'shezemel'skaya Tundra; Franz Josef Land; Germany; Komi A. S. S. R.; Meshchera; Transbaikalia
- LANDFORMS—MAPS** see subdivision under Vologda Province
- LANDSCAPE ARCHITECTURE**
Stoichev, Liuben Iv. [Parks and landscaping. Translated from the Bulgarian] Parkove i landshaftnoe iskusstvo. Sofia, Zemlzdat, 1962. 305 p. [With summaries in German, English, and French] (DNAL)
- LANDSCAPE GARDENING**
(see also subdivision under Donets Basin; Kazan; Moscow region; Petropavlovsk; Ryazan; Turkmenistan)
Being up-to-date in the planting of shrubs and trees. V. Antoninov. Zhil.-kom. khoz. 12 no. 9:18 S '62.
- LANDSCAPE GARDENING—STUDY AND TEACHING**
Training of landscape gardeners. A. N. Lisov. Shkola i proizv. 7 no. 1:25-28 Ja '63.
- LANDSCAPE PAINTING**
Sopotsinski, O. I. [Image of our motherland in Soviet painting] Obraz nashei Rodiny v sovetskoi zhivopisi. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 54 p.
- LANGE, FRIEDRICH ALBERT, 1828-1876**
Critical evaluation of F. A. Lange's philosophical views [in Georgian with summary in Russian]. G. B. Tevzadze. Trudy Inst. filos. AN Gruz. SSR 11:223-243 '62.
- LANGUAGE AND LANGUAGES**
Discussion of the scientific activities of linguistic institutes. Vest. AN SSSR 33 no. 2:109-112 F '63.
Shendell's, E. L. [Relationship of linguistics with other scientific disciplines] Sviaz' iazykoznanii s drugimi naukami. Moskva, Vysshaya shkola, 1962. 63 p. (V pomoshch' studentu-filologu)
- LANGUAGE AND LANGUAGES—BIBLIOGRAPHY** see Bibliography—Language and languages
- LANGUAGE AND LANGUAGES—STUDY AND TEACHING**
Extracurricular work of students on a foreign language. G. M. Sverzhanovskaya. Sred. spets. obr. 9 no. 12:43-44 D '62.
Let's improve the teaching of foreign languages. A. A. Miroshubov, V. V. Kraevskii. Vech. sred. shkola 5 no. 6:20-27 N-D '62.
- LANGUAGE AND LANGUAGES—TEXTBOOKS**
Institutions of higher learning are waiting for fully adequate textbooks on foreign languages. B. A. Lapidus. Vest. vys. shkoly 21 no. 2:39-47 F '63.
- LANTERN-FISHES**
New data on the lantern fish genera *Electrona* and *Protonotophthalmus* (Pisces, Myctophidae) of the southern hemisphere. V. E. Bekker. Vop. ikht. 3 no. 1:16-28 '63.
- LANTHANUM COMPOUNDS**
Complex compounds of lanthanum and ytterbium with malic acid. N. K. Davidenko. Zhur. neorg. khim. 7 no. 12:2709-2715 D '62.
- LAOS—COMMERCE—RUSSIA**
Payment agreement between the Union of Soviet Socialist Republics and the Kingdom of Laos. Vnesh. torg. 43 no. 2:46 '63.
Trade agreement between the Union of Soviet Socialist Republics and the Kingdom of Laos. Vnesh. torg. 43 no. 2:46-47 '63.
- LAOS—FOREIGN ECONOMIC RELATIONS—RUSSIA**
Joint Soviet-Laoan communique. Vnesh. torg. 43 no. 2:14-15 '63.
Ph. Nosavan declares: "We leave Moscow with a feeling of great satisfaction." Vnesh. torg. 43 no. 2:16-17 '63.
- LAPTEV SEA—OCEANOGRAPHY**
Effect of deep Atlantic waters on the hydrological regime of the Laptev Sea. V. T. Timofeev. Probl. Arkht. i Antarkt. no. 10:27-32 '62.
- LARCENY** see subdivision under Zhitomir
- LARCH** see subdivision under Bryansk Province; Ural Mountains
- LARD**
Effect of antibiotics on the development of the internal organs, dressing percentage and chemical composition of pork and lard. I. I. Larov, A. V. Nikolaeva. Veterinaria 38 no. 10:67-70 O '61.
- LARKSPUR** see subdivision under Carpathian Mountains
- LARYNX—CANCER**
Study of the functional state of the thyroid gland by means of radioactive iodine during radiation therapy for cancer of the larynx and esophagus. G. A. Kazarian. Vop. rent. i onk. 6:211-216 '61.
- LARYNX—DISEASES**
Actinomycosis of the larynx [with summary in English]. V. N. Shchekhin. Zhur. ush., nos. i gorl. bol. 22 no. 4: 72-75 Ji-Ag '62.
- LATEX**
(see also subdivision under Indonesia)
Development of formulas and efficient systems for the vulcanization of natural latex. Z. M. Ustinova and others. Kauch. i rez. 22 no. 2:4-8 F '63.
- LATHES**
Most important objectives of further mechanization and automation of automatic-lathe shops. N. M. Lyeh, V. G. Chirkov. Mekh. i avtom. proizv. 17 no. 2:1-4 F '63.
- LATHES—ATTACHMENTS**
Krupenln, Z. A., and V. L. Kosovskii. [High-production attachments for machining on lathes] Vysokoproduktivnye prisoobleneniia dlia tokarnykh rabot. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 51 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-277/42)
Universal readjusting attachment for lathes. V. K. Seminskii. Mashinostroitel' no. 1:20-21 Ja '63.
- LATHES—TECHNOLOGICAL INNOVATIONS**
Azarov, A. S. [Modernization and automation of lathes] Modernizatsiia i avtomatizatsiia tokarnykh stankov. Moskva, Proftekhizdat, 1962. 144 p. (Novaya tekhnika i peredovye metody truda)
- LATIN AMERICA—ECONOMIC CONDITIONS**
Some comments on the "Alliance for Progress." I. A. G. Mashbits. Vop. ist. 38 no. 2:191-193 F '63.
- LATIN AMERICA—ECONOMIC INTEGRATION**
Problems of economic integration in the Latin American press. G. Paparova. Vnesh. torg. 42 no. 1:35-37 '63.
- LATIN AMERICA—FOREIGN RELATIONS—UNITED STATES**
"The Yankee empire is an enemy of Latin America" by A. Nunez Jimenez. Translated from the Spanish. Reviewed by O. M. Olteanu. Vop. ist. 38 no. 2:179-180 F '63.
- LATVIA—APARTMENT HOUSES**
Development of types of multiple-apartment residential buildings in the Latvian S. S. R. V. Grundmanis. Sov. arkh. no. 14:21-30 '62.
- LATVIA—BUILDING—TECHNOLOGICAL INNOVATIONS**
We introduce the new, the progressive. Stroitel' 8 no. 2:7, 10-11 F '62.
- LATVIA—DAIRY CATTLE**
4.6 per cent of fat in an average milk yield of 3852 kilograms from a herd of 505 cows. V. K. Gravers, E. S. Gorskin. Zhivotnovodstvo 23 no. 6:45-48 Je '61.
- LATVIA—ECONOMIC CONDITIONS**
Latvian S. S. R. Valsts zinatniski tehniska komiteja. [Flourishing of the national economy of Soviet Latvia] Rastavet narodnogo khoziaistva Sovetskoi Latvii; sbornik statei. Pod red. K. G. Tolmacheva. Riga, 1958. 285 p.
- LATVIA—FOLK ART**
[Latvian folk art; in 3 volumes] Latviesu tautas maksia; trijos sejumos. [XIX-XX gs.], Riga, Latvijas Valsts izdevnieciba, [in Latvian] Vol. 2. 1962. 345 p.
- LATVIA—GREENHOUSE MANAGEMENT**
In the greenhouses of the Riga enterprises. E. M. Fomin. Biol. Glav. bot. sada no. 45:107-109 '62.
- LATVIA—LUMBER—DRYING**
Mechanization and automation of timber drying in wood-working enterprises in Latvia. A. A. Mikil, A. I. Padchin. Mekh. i avtom. proizv. 17 no. 1:26-27 Ja '63.
- LATVIA—PLANTS, ORNAMENTAL**
In the greenhouses of the Riga enterprise. E. M. Fomin. Biol. Glav. bot. sada no. 45:107-109 '62.
- LATVIA—POPULATION—STATISTICS**
Russia (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Results of the All-Union census of 1959; the Latvian S. S. R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; Latviskais SSR. Moskva, Gosstatizdat, 1962. 105 p.
- LATVIA—RUSSIAN SOCIAL DEMOCRATIC PARTY**
"Studies on the history of the Communist Party of Latvia." Vol. 1 (1893-1919). Reviewed by A. E. Ekshtein. Vop. ist. KPSS 7 no. 2:126-129 F '63.
- LAUNDRIES** see subdivision under Moscow
- LAUNDRIES, PUBLIC**
Test new fabrics in laundries. G. Sukhova and others. Zhil.-kom. khoz. 12 no. 8:23 Ag '62.
When you're smart. N. Tiniakov. Zhil.-kom. khoz. 12 no. 8:31 Ag '62.
- LAUNDRY**
If you wish to have a pleasing appearance. Rnb. i nisl. 39 no. 1:24 Ja '63.
Laundering linen without boiling it. I. Popov, V. Afanas'eva, G. Sukhova. Zhil.-kom. khoz. 12 no. 8:23-25 Ag '62.
Mechanical ironing of nonflatwork. I. U. A. Shpatler, A. I. Greshnev. Gor. khoz. Mosk. 36 no. 12:33-34 D '62.
- LAUNDRY INDUSTRY**
Laundry industry in foreign countries. S. I. Chardin. Gor. khoz. Mosk. 36 no. 12:35-36 D '62.
- LAUNDRY MACHINERY**
(see also subdivision under Moscow)
Chemical cleaning of working clothes in automobile shops. M. E. Dereviankin. Gor. khoz. Mosk. 36 no. 2:41 F '62.
- LAURA VALLEY—SULFIDES**
Redeposition of sulfides in the ores of the Laura copper deposit [with summary in English]. V. S. Balitskii. Vest. LGU 17 no. 2:136-138 '62.
- LAVRENEV, BORIS ANDREEVICH, 1891-1959**
B. Lavrenev's play "For those at sea!" M. A. Svetitskaya. Uch. zap. MGPI [174]:319-333 '61.
- LAVROV, PETR LAVROVICH, 1823-1900**
Did P. L. Lavrov participate in the revolutionary movement of the 1860's? V. A. D'iakov. Vop. nrb. 7 no. 3:114-115 Ji-S '62.
- LAW**
(see also subdivision under Ukraine)
Legal advice. Rad. pravo no. 1:150-151 Ja-F '63.
Legal advice. Rad. pravo no. 5:146-152 S-O '63.
Moscow. Universitet. [History of the state and law of the U. S. S. R.] Istoriia gosudarstva i prava SSSR. Moskva, Gosurizdat.
Pt. 2. [History of the Soviet state and law] Istoriia Sovetskogo gosudarstva i prava. 1962. 443 p.
- LAW—BIBLIOGRAPHY** see Bibliography—Law
- LAW—CASES**
(see also subdivision under Ukraine)
[Bulletin of the Supreme Court of the R. S. F. S. R.] Buil. Verkh. Suda RSFSR no. 12 '62.
- LAW—CODIFICATION**
Moscow. Vsesoiuznyi institut iuridicheskikh nauk. [Theoretical problems relating to the systematization of Soviet laws] Teoreticheskie voprosy sistematizatsii Sovetskogo zakonodatel'stva. Pod red. S. N. Irkul'skogo i S. S. Samoshchenko. Moskva, Gosurizdat, 1962. 574 p.
- LAW—DICTIONARIES**
[Brief legal dictionary for the Soviet people] Kratkiy iuridicheskii slovar'-spravochnik dlia naseleniia. Moskva, Gosurizdat, 1962. 613 p.
Legal terminology of the criminal and criminal procedure codes of the Ukrainian S. S. R. A. Polashko. Buil. pravo no. 1:105-110 Ja-F '63.
- LAW—PERIODICALS**
Some suggestions of our readers. Sov. iust. no. 5:28-29 Mr '63.
- LAW—PHILOSOPHY**
A conference of Soviet philosophers and lawyers devoted to the problem "Objective truth in criminal procedure." I. U. N. Boronkov. Vop. filos. 17 no. 2:165-169 '63.
"Objective truth in criminal procedure" by I. I. Lavrenko. Reviewed by A. A. Starchenko. Vop. filos. 17 no. 2:170-173 '63.
"Theory of the state and law" edited by P. S. Romanenko, M. S. Strogovich, V. A. Tumanov. Reviewed by I. A. Bel'sok, A. Zhakipova, S. Sartsev. Part. zhizn' Kazakh. 33 no. 2:75-78 F '63.
- LAW—STUDY AND TEACHING**
Legal education of workers is an important part of ideological work. I. Shyslov and others. Rad. pravo no. 5:78-81 S-O '62.
- LAWYERS** see subdivision under United States
- LAYING-OUT (MACHINE-SHOP PRACTICE)**
Laying out forging blanks by means of nomograms. S. N. Chubenko. Mashinostroenie no. 6:27-29 N-D '62.
- LAZ LANGUAGE—HISTORY**
Kapantsian, G. A. [Interrelation between the Armenian and the Laz-Mingrelian languages] O vzaimootnoshenii armianskogo i lazo-megrel'skogo iazykov. [Erevan] Akad. nauk Armianskoi SSR, 1952. 48 p. (MH)

LAZAREV REGION, ANTARCTICA—ICE

Development of coastal ice in the area of Lazarev Station. L. I. Dubrovin. Inform. biul. Sov. antark. eksp. no. 33:35-41 '62.

LAZAREV SHELF ICE—SNOW

Microrelief of the snow cover of Lazarev Shelf ice. IU. A. Kruchinin. Inform. biul. Sov. antark. eksp. no. 33:27-31 '62.

LAZAREV STATION, ANTARCTICA—SNOW

"Voice of the snow." L. Dubrovin. Inform. biul. Sov. antark. eksp. no. 33:49-50 '62.

LAZOVSKIY DISTRICT—AGRICULTURAL ADMINISTRATION

Organizational work is the guarantee of success. A. Blinovskii. Komm. Mold. 7 no. 1:41-45 Ja '63.

LAZOVSKIY DISTRICT—FARM MECHANIZATION

Effective results of progressive farming. F. Kanna. Komm. Mold. 7 no. 5:42-45 My '62.

LEACHING

Expediency of leaching soda Solonchaks with water before chemical improvement [in Armenian with summary in Russian]. G. T. Ananian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:49-54 '62.

Studying the process of calcium molybdate precipitation from solutions containing sulfate ions. Report no. 1. K. B. Lebedev. Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:32-42 '58.

LEAD

Behavior of lead anodes and reduction of the lead content of cathodic deposits in cadmium electrolysis. O. A. Khan, G. N. Sosnovskii. TSvet. met. 36 no. 2:32-37 F '63.

LEAD—METALLURGY

Characteristics of melts from the alkali refining of lead. V. I. Milent'eva. Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:65-70 '58.

Shaft furnace lead smelting. IA. Z. Malkin, V. I. Bulgakov. TSvet. met. 36 no. 12:1-7 D '62.

LEAD—ANTIMONY ALLOYS

Thermoelectric method for determining antimony in lead-antimony alloys. P. D. Korzh, G. P. Gullasova, I. N. Gintistulin. Zav. lab. 29 no. 3:289-291 '63.

LEAD INDUSTRY—BY-PRODUCTS

Side recovery of arsenic from tailings of the metallurgical industry. K. T. Akhmetov, N. N. Kulyshov, K. S. Dashkov. TSvet. met. 36 no. 2:42-45 F '63.

LEAD ISOTOPES

Geochemistry of lead isotopes. I. E. Starik, E. V. Sobotovich. Izv. AN SSSR. Ser. geol. 26 no. 3:40-53 Mr '63.

LEAD ISOTOPES—DECAY

Analysis of the β -decay of the nuclei Bi^{210} (RaE), Pb^{210} (RaD), and Pb^{209} , and the wave function of RaE . L. N. Zyryanova, V. M. Mikhailov. Izv. AN SSSR. Ser. fiz. 27 no. 2:235-245 F '63.

LEAD PLATING

[In: V. A. [Tin and lead plating] Luzhenko i syntezovanie. Pod red. P. M. Vinogradova. Izd. 2, dop. i perer. Moskva, Mashgiz, 1961. 33 p. (Biblioteka gal'vanotekhnika, no. 3)]

LEAD SELENITE

Some properties of lead selenite and oxyselenites. V. P. Zlotnikov and others. Zhur. neorg. khim. 7 no. 12: 2746-2751 D '62.

LEAD SELENITE CRYSTALS—ABSORPTION SPECTRA

Crystal structure and vibrational spectrum of lead selenite. B. A. Popovkin, V. P. Cheremisinov, IU. P. Simanov. Zhur. strukt. khim. 4 no. 1:43-49 Ja-F '63.

LEAD SULFIDE

Decomposition of zinc and lead sulfide minerals by nitric acid solutions. A. I. Chernilovskaya, G. A. Tsyganov. Uzb. khim. zhur. 6 no. 6:5-10 '62.

LEAF BEETLES see subdivision under Estonia

LEAFHOPPERS see subdivision under Soviet Central Asia

LEARNING, PSYCHOLOGY OF

Development of the methods of logical memorization in preschool children. Report No. 1: Means of voluntary memorization. L. M. Zhitnikova. Dokl. APN 6 no. 6: 95-98 '62.

LEATHER

Fermentation method of soaking and deplaiting of hides and skins. S. G. Ponomarev and others. Leh. prom. no. 3:31-34 Ja-Ge '62.

The "PMM" machine for area measurement of stiff leather. M. A. Braginskii, P. M. Mets. Leh. prom. no. 3:12-16 Ja-Ge '62.

Synthetic tanning materials and auxiliary products for leather manufacture. IA. P. Berkman. Kozh.-obuv. prom. 5 no. 1:7-11 Ja '63.

LEATHER—TESTING

Effect of the structural characteristics of shoe-upper materials on their permeability to moisture in case of repeated deformations. M. S. Rudenko, A. A. Avilov, G. P. Morozova. Nauch.-issl. trudy VNIPIK no. 12: 18-30 '60.

LEATHER, ARTIFICIAL

Development of the method of obtaining foams from a polyvinyl chloride paste for the manufacture of artificial leather. A. D. Zaitonchkovskii and others. Nauch.-issl. trudy VNIPIK no. 12:11-18 '60.

Effect of hydrophilic additives on the properties of rubber films. A. N. Spasskaya, A. D. Zaitonchkovskii, IA. M. Iabko. Nauch.-issl. trudy VNIPIK no. 12:68-86 '60.

Effect of the geometry of the screw on the conditions of the extrusion of artificial leather. B. I. Zolotov, D. LA. Il'inski, Nauch.-issl. trudy VNIPIK no. 12:87-95 '60.

Manufacture of artificial patent leather. N. A. TSvetkova, R. A. Liberova, I. V. Plotnikov. Nauch.-issl. trudy VNIPIK no. 12:3-11 '60.

New drop method of determining the resistance to heat of polyvinyl resins. E. S. Khoroshaia and others. Nauch.-issl. trudy VNIPIK no. 12:107-109 '60.

Use of carboxyl-containing rubbers in the manufacture of artificial leather. K. A. Firsova and others. Nauch.-issl. trudy VNIPIK no. 12:41-49 '60.

Use of the chemical method for the dull finishing of graining rollers. A. I. Lenivtsev. Kozh.-obuv. prom. 5 no. 1:35-37 Ja '63.

LEATHER, ARTIFICIAL—DRYING

Improvement of artificial sole leather drying techniques and decreased dispensing of fiber in artificial leather for shoe counters. M. A. Araslanov and others. Prom. energ. 18 no. 2:9 F '63.

LEATHER INDUSTRY

Technological progress in the leather and footwear industry. G. V. Livi. Kozh.-obuv. prom. 5 no. 1:4-7 Ja '63.

LEATHER INDUSTRY—ACCOUNTING

[Aprin, G. P., and A. G. Merzon. [Analysis of the production operations of leather factories] Analiz proizvodstvennoi deiatel'nosti kozhevnykh zavodov. Moskva, Rostekhizdat, 1962. 90 p.]

LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES

Elimination of humidity in storage rooms (from "The Shoe and Leather News," no. 2374, 1951). K. M. Robinson. Kozh.-obuv. prom. 5 no. 1:40 Ja '63.

LEAVE OF ABSENCE

Student privileges. Vech. ared. shkola 5 no. 5:95-96 S-O '62.

LEAVES

Soil moisture and suction force of the leaves of woody plants. V. F. RH. Trudy Briansk. tekhn. inst. 9:265-269 '60.

LEAVES—ANATOMY

Characteristics of the anatomical structure of leaves of Phragmites communis Trin. growing on saline soils [with summary in English]. V. H. Nikolevskiy. Ukr. bot. zhur. 19 no. 6:77-81 '62.

LEBANON—GUIDEBOOKS

Akademii nauk SSSR. Institut narodov Azii. [Modern Lebanon; a handbook] Sovremennyy Liban; spravochnik. Moskva, Izd-vo vostochnoi lit-ry, 1963. 222 p.]

LEBEDEVA, ANGELINA KONSTANTINOVNA

Semenov, V. I. [Lights turned on; a documentary tale] Zazhiznennye ogon'ki; dokumental'naya povest'. Moskva, Sovetskaya Rossiia, 1962. 139 p. (Liudi Sovetskoi Rossiia)

LECTURES AND LECTURING

(see also subdivision under Smolensk)
Millions are listening to the lecturer. A. I. Romanov. Polit. samooobr. 6 no. 10:77-80 O '62.

LEECHES

Chromaffin elements in leeches. I. N. Molchanova. Uch. zap. Kaz. un. 120 no. 6:76-87 '60.

Fine structure of egg membranes in leeches. T. B. Aizenshtadt, V. IA. Brodskii. Dokl. AN SSSR 148 no. 3:728-730 Ja '63.

LEG—FRACTURE

Treatment of diaphysal fractures of the skin. K. V. Laputina. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:131-137 '61.

LEGAL AID see subdivision under Fergana

LEGAL DOCUMENTS

Let us simplify the form of legal documents. V. Bozhenko. Sov. iust. no. 5:20 Mr '63.

LEGAL LITERATURE

A review of the pamphlets published by the Publishing House of Legal Literature. V. Tonkikh. Sov. iust. no. 5:26-29 Mr '63.

LEGAL RESEARCH

Legal research in the institutions of higher education. Rad. pravo no. 5:101-113 S-O '62.

LEGENDS

The argument about the great sinner; the Nekrasov legend "About two great sinners" and its sources. M. M. Gln. Rus. fol'k. 7:84-87 '62.

The legend of "Beloved's" K. V. Chistov. Trudy Kar. fil. AN SSSR no. 35:116-161 '62.

LEGENDS, BUDDHIST see subdivision under India

LEGUMES

Protein and nonprotein nitrogen of the green bulk of lentils and vetch at various phases of their development. V. G. Klimenko, L. P. Staseva. Trudy po khim. prirod. soed. no. 3:65-74 '60.

Sowing legumes along with sugar sorgho as a stubble crop. P. P. Oleinik. Zhivotnovodstvo 23 no. 6:60-64 Je '61.

LEIPZIG—EXHIBITIONS

The Leipzig Fair; an interview with Carl Eckloff. Nov. vrem. 20 no. 9:15 Mr '63.

LEMNITZER, LYMAN, 1890-

Lyman L. Lemnitzer. G. Rogova. Mir, ekon. i mezhdunar. otn. no. 1:135-136 '63.

LEMURS see subdivision under Malagasy Republic

LENA VALLEY—BIRDS

Ornithological observations in the lower Lena Valley. V. I. Kapitonov. Ornitologiya no. 5:35-43 '62.

LENGTH MEASUREMENT—STANDARDS

[Checking and measuring instruments and gauges] Kontrol'no-izmeritel'nye pribory i apparaty. Izd. ofitsial'noe. Moskva, Standartgiz. (SSSR, Gosudarstvennye standarty)

Pl. I. [Measures and instruments for length and angle measurements] Mery i pribory dlia lineinykh i uglovyykh izmerenii. 1962. 407 p.]

LENIN (ATOMIC SHIP)

High latitude expedition in 1961 on the atomic icebreaker "Lenin." D. D. Mnkautov. Probl. Arkt. i Antark. no. 11:107-109 '62.

LENIN, VLADIMIR IL'ICH, 1870-1924

Diary of V. I. Lenin's secretaries on duty; a new document on V. I. Lenin's life and work. Vop. ist. KPSS 7 no. 2: 67-91 F '63.

Forever alive and near. L. Folieva. Agitator no. 5:3-7 Mr '63.

Lenin and culture. A. Amvrosov. Klub 11 no. 4:3-4 Ap '62.

Lenin and the party. Kal. znam. i pam. dat. 0 no. 3: 4-10 Mr '63.

Lenin as a comrade and a man. Nikolai Pogodin. Kul't. -pros. rab. 23 no. 4:5-6 Ap '62.

"Lenin as man and friend." Reviewed by V. Tarasov. Agitator no. 7:61-62 Ap '62.

Lenin lived in Kuz'minki. I. I. Iakovlev. Veterinariia 37 no. 11:16-18 N '60.

Lenin on attracting the masses to participate in the government. V mire knig 2 no. 6:1 Ag '62.

Lenin's gift. M. Klevenskii. Kul't. -pros. rab. 23 no. 4: 16 Ap '62.

Lenin's program of social insurance. B. D. Petrov. Zdrav. Ros. Feder. 7 no. 1:10-13 Ja '63.

New documents of V. I. Lenin. Komm. Ukr. 37 no. 5:3-6 My '62.

New materials which throw light upon V. I. Lenin's views on peaceful coexistence. [with summary in English, p. 168]. IU. Sharapov, V. Shchukin. Nov. i noveish. ist. no. 6:3-7 '62.

Triumph of Lenin's great ideas. O. Rakhkov. Koop. Kazakh. 5 no. 4:7-10 Ap '62.

V. I. Lenin and the newspaper "Bednota." V. Khokhlov. Agitator no. 7:26-29 Ap '62.

V. I. Lenin, initiator of the creation of the U.S.S.R. K. Pavlova. Otv. na vop. trud. no. 11:12-20 N '62.

"V. I. Lenin on the Ukraine" by V. P. Titarenko. Reviewed by V. Liventsov. Nar. tvorch. ta etn. 6 no. 3: 137-139 Ji-S '62.

Vital force of the Lenin cooperative plant. M. Il'in. Polit. samooobr. 6 no. 10:31-40 O '62.

LENIN, VLADIMIR IL'ICH, 1870-1924—BIBLIOGRAPHY

see Bibliography—Lenin, Vladimir Il'ich, 1870-1924

LENIN, VLADIMIR IL'ICH, 1870-1924—HOMES AND

HAUNTS

Beginning of the great work. G. Makarov. Ogonek 40 no. 5:16-7 D '62.

Moscow. Tsentral'nyi muzei V. I. Lenina, Leningradskii filial. [The apartment at 32 Karpovka Quay; a guide-book] Kvartira na naberezhnoi reki Karpovki, 32; put'evoditel'. [Leningrad] Leningrad, 1962. 40 p. (Memorial'nye muzei V. I. Lenina v Leningrade)

LENIN IN LITERATURE AND ART

Day of a great life. Kh. Khersonskii. Isk. kino 33 no. 1:93-95 '63.
Image of V. I. Lenin in N. F. Pogodin's dramatic trilogy "Man with the rifle"; "Kremlin chimes"; "Third pathetic." P. D. Kravetski. Uch. zap. MGPI [174]:7-31 '61.

LENINABAD—THEATER

Cherniavskii, S. D. [History of the A. S. Pushkin Theater in Leninabad] K istorii Leninabadskogo teatra imeni A. S. Pushkina. Dushanbe, Tadzhikgosizdat, 1962, 70 p. illus.

LENINABAD—GRINDING MACHINES

The Leningrad Grinding Machinery Plant speeds up its production. L. Ioannissian. Prom. Arm. 5 no. 12:50-53 D '62.

LENINGRAD—ADENOVIRUS INFECTIONS—MICROBIOLOGY

Virological and serological data from a study of latent adenoviruses isolated in Leningrad. T. I. A. Luzianina, A. A. Selivanov. Trudy Len. inst. epid. i mikrobiol. 17: 43-55 '58.

LENINGRAD—ADULT EDUCATION

Analysis of the personnel, forms, and work methods of the people's universities of culture; based on official statistics from Leningrad [with summary in English]. I. N. Elfimova. Vest. LGU 18 no. 2:29-39 '63.

LENINGRAD—AGRICULTURAL MACHINERY INDUSTRY

Tkachenko, E. A. [Contribution of the machine builders of Leningrad to agriculture] Mashinostroitelii Leningrada - sel'skomu khoziaistvu. [Leningrad] Lenizdat, 1962, 41 p.

LENINGRAD—AMATEUR THEATRICALS

Festival of folk art in the park. K. Gromyko. Kul't.-prom. rab. 23 no. 9:44 S '62.

LENINGRAD—APARTMENT HOUSES

Let's have more happy new homes! Stroi. i arkh. Len. 25 no. 2:1-2 F '63.

The Neva Combine leads in building. O. V. Kallin. Stroi. i arkh. Len. 24 no. 8:25 Ag '62.

Perfecting standard designs. O. I. Gur'ev. Stroi. i arkh. Len. 24 no. 8:8-13 Ag '62.

Three 80-apartment dwellings per month. A. Zhukov. Na stroi. Ros. 3 no. 2:27-29 F '62.

LENINGRAD—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Houses built by the Kuznetsovo Housing Construction Combine. I. M. Chaiko. Stroi. i arkh. Len. 25 no. 2: 6-8 F '63.

Houses built by the Polyustrovo Housing Construction Combine. N. I. Iakker. Stroi. i arkh. Len. 25 no. 2: 3-5 F '63.

Raise the quality of large-panel construction. TS. S. Kalinkina. Stroi. i arkh. Len. 25 no. 2:8-12 F '63.

LENINGRAD—ART GALLERIES AND MUSEUMS

Antonova, L. V. [How and when the Hermitage was built; stories about art for children] Kogda i kak postroen Ermitazh; rasskazy o masterstve dlia detei srednego i starshego vozrasta. Leningrad, Izd-vo Gos. Ermitazha, 1962, 72 p. [Puteshestvie v proshloe po zalam Ermitazha]

LENINGRAD—BANKS AND BANKING

Gindin, A. M. [How the Bolsheviks nationalized private banks; facts and documents on the post-October days in Petrograd] Kak bol'sheviki natsionalizirovali chastye banki; fakty i dokumenty posleoktiabr'skikh dnei v Petrograde. Predisl. I. I. Mintsa. Moskva, Gosfinizdat, 1962, 141 p.

Your civic duty. V. Borodina and others. Fin. SSSR 37 no. 2:11-14 F '63.

LENINGRAD—CATARRH

Influence of meteorological factors on the incidence of influenza and acute catarrh of the respiratory tracts. L. B. Khazenson and others. Trudy Len. inst. epid. i mikrobiol. 22:166-173 '61.

LENINGRAD—CIVIC IMPROVEMENT

Developing the communal economy of Leningrad. Blok. agit. [Len.] no. 2:37-40 Ja '63.

LENINGRAD—CLOTHING WORKERS

Fame is achieved by work. N. Kuz'min. Mest. prom. i khud. promys. 3 no. 12:5-8 D '62.

LENINGRAD—COMMUNIST PARTY OF THE SOVIET UNION

Struggle of the Petrograd party organization for the reconstruction of industries in the city during the early years of the New Economic Policy, 1921-1925 [with summary in English]. E. V. Petrova. Vest. LGU 18 no. 2:17-28 '63.

LENINGRAD—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Propagandists should receive regular help. E. Zaderskii. Agitator no. 3:35-38 F '63.

LENINGRAD—COMMUNITY CENTERS

Let's work in the apartment house groups. N. Turchinlak. Klub 11 no. 6:8-9 Je '62.

LENINGRAD—CONFECTIONERY

Centenary of the "K. Samoilova" Confectionery Factory. A. G. Terent'ev, M. D. Miller. Khleb. i kond. prom. 7 no. 1:25-27 Ja '63.

LENINGRAD—CONSTRUCTION INDUSTRY

Carrying out jointly the work of the preparatory operations. R. N. Kozlovskii, E. I. Rozenfel'd. Stroi. i arkh. Len. 24 no. 8:21-23 Ag '62.

Fulfill the annual plan by December 26. Stroi. i arkh. Len. 25 no. 2:2 of cover F '63.

In the Executive Committee of the Leningrad Soviet. Stroi. i arkh. Len. 24 no. 8:36-p. 3 of cover Ag '62.

In the Executive Committee of the Leningrad Soviet. Stroi. i arkh. Len. 25 no. 2:3 of cover F '63.

LENINGRAD—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

... plus a businesslike approach. A. Zolotov. Sov. profsoyuz 19 no. 3:14 F '63.

Your civic duty. V. Borodina and others. Fin. SSSR 37 no. 2:11-14 F '63.

LENINGRAD—CORRESPONDENCE SCHOOLS AND COURSES

On ship and train. P. Lebedev. Sov. profsoyuz 19 no. 2:21 Ja '63.

LENINGRAD—CRIME AND CRIMINALS

Luk'ianov, I. A. [Grimeases of the past] Grimaazy proshlogo. [Leningrad] Lenizdat, 1962, 56 p.

LENINGRAD—DEPARTMENT STORES

Economic council in a department store. R. Guz, Z. Zinov'eva. Sov. torg. 36 no. 1:28-29 Ja '63.

LENINGRAD—EDUCATION, COOPERATIVE

Nuzhnyi, N. I. [Closer to life and work] Blizhe k zhizni, trudi. [Leningrad] Lenizdat, 1962, 43 p. (Biblioteka sekretaria partinnoi organizatsii)

Vocational training of urban students. N. Dolenko. Shkola i prosv. 7 no. 1:78-80 Ja '63.

LENINGRAD—EFFICIENCY, INDUSTRIAL

Ivanov, V. M., and F. G. Krotov. [Technically minded workers in the service of communism] Tekhnicheskii nysl' rabochikh - na sluzhbu kommunizmu! [Leningrad] Lenizdat, 1962, 200 p. [Iz opyta raboty Leningradskoi partinnoi organizatsii]

LENINGRAD—ELECTRIC EQUIPMENT INDUSTRY—EQUIPMENT AND SUPPLIES

Automatic device never seen before. G. Chukin. Mest. prom. i khud. promys. 4 no. 2:29 F '63.

LENINGRAD—ETHNOLOGICAL MUSEUMS AND COLLECTIONS

A new exhibit in the Ethnographical Museum of the Peoples of the U. S. S. R. E. A. Khamzina. Etn. sbor. no. 2:163-184 '61.

LENINGRAD—EVENING AND CONTINUATION SCHOOLS

There is room for all. A. A. Gruzdev. Shkola i prosv. 6 no. 9:12-13 S '62.

LENINGRAD—FINANCE

Signs of our time. P. Malskii. Fin. SSSR 37 no. 2:8-11 F '63.

LENINGRAD—FLOUR MILLS

In the laboratory of the Leningrad Lenin Milling Combine. A. Moroz. Muk. -elev. prom. 26 no. 11:6-7 N '62.

LENINGRAD—FOOD INDUSTRY

Economic council at an enterprise. N. Gagleova, N. Gorin. Sov. torg. 39 no. 10:42-43 O '62.

LENINGRAD—FOOD INDUSTRY—FINANCE

Central accounting of certain expenditures will make business accounting sounder. S. Levit. Sov. torg. 36 no. 1:31-32 Ja '63.

LENINGRAD—FOUNDRIES

An automatic machine does the casting. M. Migonkov. Mest. prom. i khud. promys. 3 no. 1:23 Ja '63.

LENINGRAD—FOUNDRIES—TECHNOLOGICAL INNOVATIONS

The steepness of the rising. E. Tretyakov. Mest. prom. i khud. promys. 3 no. 1:2-4 Ja '63.

LENINGRAD—GARAGES

Design for a new bus garage. Stroi. i arkh. Len. 24 no. 8:28-29 Ag '62.

LENINGRAD—GEOMORPHOLOGY

History of the development of the relief of Vasilii Island in Leningrad [with summary in English]. A. I. Laptev. Vest. LGU 17 no. 24:138-142 '62.

LENINGRAD—HISTORICAL MUSEUMS

Moscow. Tsentral'nyi muzei V. I. Lenina, Leningradskii filial. [The apartment at 32 Karpovka Quay; a guide-book] Kvarira na naberezhnoi reki Karpovki, 32; put'evoditel'. [Leningrad] Lenizdat, 1962, 40 p. (Memorial'nye muzei V. I. Lenina v Leningrade)

LENINGRAD—HISTORY

Participation of students of the Institute of Forestry in the revolutionary movement during the years of the new revolutionary upsurge. I. P. Molchanova. Nauch. trudy LTA no. 95:127-137 '61.

Social and political life at the Institute of Forestry in the period 1900-1907. T. A. Il'iuschenko. Nauch. trudy LTA no. 95:101-113 '61.

Social and political life at the Institute of Forestry in 1907-1910. M. S. Glazman. Nauch. trudy LTA no. 95: 115-126 '61.

LENINGRAD—HYDROLYSIS

Improved system of transfer of distiller's spent grains to yeast production. M. M. Sapiro, S. Z. Sirotnikov. Gidroliz. i lesokhim. prom. 16 no. 1:30 '63.

Production of yeasts at the Leningrad Hydrolysis Plant. I. A. Beliaevskii, V. A. Tokarev. Gidroliz. i lesokhim. prom. 16 no. 1:26-28 '63.

LENINGRAD—INDUSTRIES

Struggle of the Petrograd party organization for the reconstruction of industries in the city during the early years of the New Economic Policy, 1921-1925 [with summary in English]. E. V. Petrova. Vest. LGU 19 no. 2:17-28 '63.

LENINGRAD—INFLUENZA

Epidemiological and virological characteristics of the influenza pandemic of 1957 in Leningrad. I. M. Anshelen and others. Trudy Len. inst. epid. i mikrobiol. 17:66-77 '58.

Influence of meteorological factors on the incidence of influenza and acute catarrh of the respiratory tracts. L. B. Khazenson and others. Trudy Len. inst. epid. i mikrobiol. 22:166-173 '61.

Influenza C in children during the period of the influenza A₁ outbreak in Leningrad. M. A. Morozenko, S. Z. Shutala. Trudy Len. inst. epid. i mikrobiol. 17:56-65 '58.

LENINGRAD—INFLUENZA—MICROBIOLOGY

Antigen structure of influenza B virus strains isolated in Leningrad in recent years. I. S. Kliuchareva. Trudy Len. inst. epid. i mikrobiol. 17:20-29 '58.

Virological and serological characteristics of the influenza pandemic of 1957. A. A. Smorodintsev and others. Trudy Len. inst. epid. i mikrobiol. 17:78-92 '58.

LENINGRAD—IRON AND STEEL WORKERS—EDUCATION AND TRAINING

Astakhov, I. A. S. [Department of political education] Kabinet politicheskogo prosveshchenia. [Leningrad] Lenizdat, 1962, 36 p. (Na oshcheshivennykh nachalakh)

LENINGRAD—LIBRARIES

Morachevskii, N. I. A. [Guide to the Salytkov-Schedrin State Public Library] Putevoditel' po Gosudarstvennoi publichnoi biblioteke imeni M. E. Salytkova-Schedrina. Pod red. V. M. Barashenkova. Iz. 2., ispr. i dop. Leningrad, Gos. publichnaia biblioteka im. M. E. Salytkova-Schedrina, 1962, 107 p.

LENINGRAD—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Chugunov, S. I. A. [We build our future today] Budushchee rozhdaetsia segodnia. [Leningrad] Lenizdat, 1962, 40 p. (Reshenia XXII s'ezda KPSS - v zhizni)

LENINGRAD—MANUFACTURES

More, better, and cheaper. V. Rumintsev. Blok. agit. [Len.] no. 2:9-14 Ja '63.

LENINGRAD—MARKETING

Unnecessary multiplicity of channels through which goods pass from producer to consumer. I. A. Shul'berg. Fin. SSSR 37 no. 2:68 F '63.

LENINGRAD—MATHEMATICAL SOCIETIES

Meetings of the Leningrad Mathematical Society. Usp. mat. nauk 18 no. 1:211-215 Ja-F '63.

LENINGRAD—MEDICINE, INDUSTRIAL

Fruit of a routine approach. V. Malykhin, A. Gorbunov. Okhr. truda i sots. strakh. 5 no. 12:27-28 D '62.

LENINGRAD—MILITARY MUSEUMS

Relics of military glory. N. Georgiev. Kryl. rod. 13 no. 7:23 Ji '62.

LENINGRAD—MONUMENTS

A monument to the victims of the massacre of January 9, 1905. S. Viazovskii. Blok. agit. [Len.] no. 2:41-46 Ja '63.

LENINGRAD—MOTORBUS LINES—STATIONS

Leningrad's bus station. I. A. Goldenberg, F. A. Rodchenko. Stroi. i arkh. Len. 25 no. 2:20-30 F '63.

LENINGRAD—NEWSPAPER AND PERIODICAL CIRCULATION

Studying demand. P. Matokhin. Raspr. pech. no. 1:14 Ja '62.

Trade journals for engineers and technicians. T. Ignat'ev. Raspr. pech. no. 12:14-15 D '62.

LENINGRAD—PAINT INDUSTRY

Everything is done in a new way. S. Elistratov. Mest. prom. i khud. promys. 4 no. 2:22-23 F '63.

LENINGRAD—PAINTINGS

Nikulin, N. N. [Details of paintings in the Hermitage; West European painting of the 15th and 16th centuries] Detall Karlin Ermitazha; Zapadnoevropeiskaya zhivopis' XV-XVI vekov. Leningrad, Izd-vo Gos. Ermitazha, 1962. 37 p. 205 illus. [Parallel texts in Russian, French and English]

LENINGRAD—PIONEERS (COMMUNIST YOUTH)

Contribution of Leningrad youth to their homeland. S. N. Lipchin. Shkola i proizv. 6 no. 9:51-54 S '62.

LENINGRAD—POLIOMYELITIS

Epidemiological characteristics of poliomyelitis in Leningrad during 1958. E. P. Gur'eva. Trudy Len. inst. epid. i mikrobiol. 10:150-162 '59.

Study of poliomyelitis etiology in Leningrad during different periods of the year. O. A. Rodshtein. Trudy Len. inst. epid. i mikrobiol. 10:124-130 '59.

LENINGRAD—POLIOMYELITIS—CASES, CLINICAL REPORTS, STATISTICS

Epidemiological characteristics of poliomyelitis in Leningrad during 1957. Kh. S. Kotliarova and others. Trudy Len. inst. epid. i mikrobiol. 17:156-168 '58.

Statistical epidemiological data on poliomyelitis in Leningrad during 1956. I. M. Anashina. Trudy Len. inst. epid. i mikrobiol. 17:144-155 '58.

LENINGRAD—POLIOMYELITIS VIRUSES

Study of the immunological structure of the population of Leningrad in relation to the poliomyelitis viruses. R. A. Kantorovich, L. M. Kurnosova, G. P. Zhilova. Trudy Len. inst. epid. i mikrobiol. 19:131-140 '59.

LENINGRAD—POSTAL SERVICE

Korneev, V. I. [Mail delivery service in Leningrad] Dostavochnaya sluzhba Leningrada, Moskva, Svyaz'izdat, 1962, 24p. (Opyt poredovykh svyazistov)

LENINGRAD—RADIO INDUSTRY

Thieves of time. Sov. profsoolyu 19 no. 3:27 F '63.

LENINGRAD—RESPIRATORY ORGANS—DISEASES

Etiology and the epidemiology of acute respiratory diseases of a noninfluenzal nature in Leningrad during 1958. L. K. Maslennikova, T. A. Khushina. Trudy Len. inst. epid. i mikrobiol. 19:76-82 '59.

LENINGRAD—RESTAURANTS, LUNCHROOMS, ETC.

The "Neva" restaurant. K. L. Iogansen. Stroi. i arkhit. Len. 26 no. 2:26-28 F '63.

LENINGRAD—RETAIL TRADE

Potentialities to reduce costs. A. Abaturv, I. Malkin. Sov. torg. 35 no. 9:5-9 S '62.

LENINGRAD—REVOLUTION, 1917-1921

Gindin, A. M. [How the Bolsheviks nationalized private banks; facts and documents on the post-October days in Petrograd] Kak bol'sheviki natsionalizirovali chastye banki; fakty i dokumenty posleoktiabr'skikh dni v Petrograde. Predisl. I. I. Mintsa. Moskva, Gosfinizdat, 1962. 141 p.

LENINGRAD—SCHOOLHOUSES—DESIGN AND CONSTRUCTION

Design and construction of schoolhouses. V. V. Smirnov. Stroi. i arkhit. Len. 25 no. 2:15-18 F '63.

LENINGRAD—SERVICE INDUSTRIES

Public inspection of service industry enterprises. G. Nika'ev. Mest. prom. i khud. promys. 3 no. 12:2 D '62.

LENINGRAD—SHOE INDUSTRY

Customers should have supple and comfortable shoes. I. Shaklanov. Sov. torg. 35 no. 9:51 S '62.

LENINGRAD—SIEGE, 1941-1944

Early history of the Siege of Leningrad (to be continued). B. Bychevskii. Voen. ist. zhur. vol. 5 no. 1:60-69 Ja '63.

How the Siege of Leningrad was broken. F. Danilov. Voen. ist. zhur. vol. 5 no. 1:124-125 Ja '63.

[Nine hundred days; literary sketches and source materials devoted to the heroic defense of Leningrad during the Great Patriotic War] Deviat'sot dni; literaturno-khudozhestvennyi i dokumental'nyi sbornik, posvyashchennyi geroicheskoi oborone Leningrada v gody Velikoi Otechestvennoi volny. [Leningrad] Lenizdat, 1962. 599 p.

Superb heroism of the city of Lenin. F. Sirota. Blok. agit. [Len.] no. 2:15-24 Ja '63.

LENINGRAD—STREET RAILWAYS

Does Leningrad need underground tramways? Stroi. i arkhit. Len. 24 no. 8:33-34 Ag '62.

LENINGRAD—STREETCARS—MAINTENANCE AND REPAIR

Moving ahead. T. Kadysh. Zhil. -kom. khoz. 12 no. 10:17-18 O '62.

LENINGRAD—STUDENTS

Participation of students of the Institute of Forestry in the revolutionary movement during the years of the new revolutionary upsurge. I. P. Molchanova. Nauch. trudy LTA no. 95:127-137 '61.

Social and political life at the Institute of Forestry in the period 1900-1907. T. A. Il'iuschenko. Nauch. trudy LTA no. 95:101-113 '61.

Social and political life at the Institute of Forestry in 1907-1910. M. S. Glazman. Nauch. trudy LTA no. 95:115-126 '61.

Students of the Saint Petersburg Institute of Forestry in the social democratic movement of the 1880's and 1890's. L. I. Marinchak. Nauch. trudy LTA no. 95:99-100 '61.

LENINGRAD—SUBWAYS—STATIONS

Construction of subway stations with lining made of precast reinforced concrete. I. U. P. Solov'ev, V. N. Belolikov. Transp. stroi. 12 no. 7:22-25 Ji '62.

LENINGRAD—SUPERMARKETS

"Stroika" store. N. Ivanov. Sov. torg. 36 no. 10:28-31 O '62.

LENINGRAD—TAILORING

The "single fitting" method. N. Tarasov. Mest. prom. i khud. promys. 3 no. 12:7 D '62.

LENINGRAD—TELEVISION—TRANSMITTERS AND TRANSMISSION

Television tower goes up. Stroi. i arkhit. Len. 24 no. 8:27 Ag '62.

LENINGRAD—TELEVISION PLAYS

Leningrad presents a vaudeville show. I. Uvarova. Teatr. 24 no. 1:83 Ja '63.

LENINGRAD—TEXTILE INDUSTRY

The key to success. T. Fadeeva. Blok. agit. [Len.] no. 2:26-30 Ja '63.

LENINGRAD—THEATERS

Before the curtain rises. L. F. Makar'ev. Stroi. i arkhit. Len. 24 no. 8:7 Ag '62.

For Leningrad children. G. P. Stepanov. Stroi. i arkhit. Len. 24 no. 8:5-6 Ag '62.

New building for the Young People's Theater. E. A. Levinson. Stroi. i arkhit. Len. 24 no. 0:2-4 Ag '62.

LENINGRAD—TOWERS

Higher than the Eiffel Tower. B. Kharin. Na stroi. Ros. 3 no. 12:29-30 D '62.

LENINGRAD—TRANSPORTATION, AUTOMOTIVE

Transportation and haulage service of Leningrad's population. P. Svetlichnyi. Avt. transp. 41 no. 1:14-15 Ja '63.

LENINGRAD—VIEWS

Leningrad; vity goroda. Leningrad; views of the city. Moskva, Gos. izd-vo izobraz. iskus., 1962. 1 v. (chiefly illus.)

LENINGRAD—WAGES—MEAT INDUSTRY

With workers' active participation. I. Sorochkin. Sois. trud. 8 no. 2:111-113 F '63.

LENINGRAD—WAR MEMORIALS

[Memorial in honor of the heroic defenders of Leningrad; the Piskarev Memorial Cemetery and Museum] Pamiatnik geroicheskim zashchitnikam Leningrada; Piskarevskoe memorial'noe kladbishche muzei. Leningrad, Khudozhnik RSFSR, 1962. 64 p. illus.

LENINGRAD—WEATHER—MENTAL AND PHYSIOLOGICAL EFFECTS

Influence of meteorological factors on the incidence of influenza and acute catarrh of the respiratory tracts. L. B. Khazanson and others. Trudy Len. inst. epid. i mikrobiol. 22:166-173 '61.

LENINGRAD DISTRICT (FERGANA)—AGRICULTURAL ADMINISTRATION

Turn all your attention to the most important problems. S. Tullaganov. Part. zhizn' [Uzb.] 6 no. 1:56-68 Ja '63.

LENINGRAD ECONOMIC REGION—BUILDING MATERIALS INDUSTRY

Development of an industrial base for industrial construction. L. I. Kurochkin. Stroi. i arkhit. Len. 24 no. 8:14-15 Ag '62.

LENINGRAD ECONOMIC REGION—ECONOMIC GEOGRAPHY

The Leningrad Economic Region and main problems of its development. L. P. Aitman. Uch. zap. LGU no. 3:15:3-28 '62.

LENINGRAD ECONOMIC REGION—ECONOMIC POLICY

The Leningrad Economic Region and main problems of its development. L. P. Aitman. Uch. zap. LGU no. 3:15:3-28 '62.

LENINGRAD ECONOMIC REGION—SAWMILLS

Investigating the economic effectiveness of the concentration of production in sawmilling. N. A. Antropov. Nauch. trudy LTA no. 95:73-80 '61.

LENINGRAD PROVINCE—AGRICULTURAL MACHINERY

[Agricultural efficiency promoters; from work practices of machinery operators on collective and state farms of the divisions of the Section of Agricultural Machinery and land-improvement stations in Leningrad Province] Ratsionalizatory sel'skogo khoziaistva; iz opyta raboty mekhanizatorov kolhozov, sovkhozov, otdelenii "Sel'khoztehnika" i melliorativnykh stantsii Leningradskoi oblasti. [Leningrad] Lenizdat, 1962. 119 p.

LENINGRAD PROVINCE—AGRICULTURE—LABOR PRODUCTIVITY

Korobova, N. M. [Labor productivity in agriculture and ways for increasing it] Proizvoditel'nost' sel'skokhoziaistvennogo truda i puti ee povysheniia. [Leningrad] Lenizdat, 1962. 60 p. (Reshenia XXII s'ezda KPSS - v zhizn')

LENINGRAD PROVINCE—CONSTRUCTION INDUSTRY

Among construction workers of Leningrad Province. N. Burshtyn. Sel'. stroi. 15 no. 3:10 Mr '60.

LENINGRAD PROVINCE—DAIRY CATTLE

Possibilities of developing Black and White cattle in Leningrad Province. K. M. Ivanov. Biul. nauch. -tekh. inform. SZNIISKH no. 3:50-52 '58.

LENINGRAD PROVINCE—FARM MANAGEMENT

Farm management system in the northeastern regions of Leningrad Province. I. U. P. Mikhailov. Biul. nauch. -tekh. inform. SZNIISKH no. 3:3-6 '58.

LENINGRAD PROVINCE—FOREST MANAGEMENT

Effectiveness of draining grass-Sphagnum pine forests. V. G. Rubtsov. Les. khoz. 15 no. 9:39-42 S '62.

LENINGRAD PROVINCE—GRAIN

Characteristics of the organogenesis of apical cones in winter crops differing in their winter hardiness. N. F. Batygin. Biul. nauch. -tekh. inform. SZNIISKH no. 3:47-49 '58.

LENINGRAD PROVINCE—INDUSTRIAL MANAGEMENT

Leningrad. Institut istorii partii. [On the road to technological progress] Na putiakh tekhnicheskogo progressa; iz opyta raboty Leningradskoi partinnoi organizatsii, 1961-1961 gg. [By] E. V. Mazalov i dr. [Leningrad] Lenizdat, 1962. 480 p.

LENINGRAD PROVINCE—INDUSTRIAL ORGANIZATION

Organization of industrial branch associations at the Leningrad Economic Council. V. A. Ivanov. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:80 '63.

LENINGRAD PROVINCE—METEOROLOGY—CHARTS, DIAGRAMS, ETC.

Maps of the anomalies of shower activity in Leningrad Province. N. F. Kotov, T. I. Smolkina. Trudy GGO no. 128:35-56 '62.

LENINGRAD PROVINCE—RAIN AND RAINFALL

Maps of the anomalies of shower activity in Leningrad Province. N. F. Kotov, T. I. Smolkina. Trudy GGO no. 128:35-56 '62.

LENINGRAD PROVINCE—RETAIL TRADE—FINANCE

Experimental procedure for crediting trade organizations on the basis of turnover. G. Iosia. Den. i kred. 21 no. 1:61-66 Ja '63.

LENINGRAD PROVINCE—SOLAR RADIATION

Scattered radiation according to observations in Vovaykovo. M. P. Chizhevskaya. Trudy GGO no. 120:40-50 '62.

LENINGRAD PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Karitskii, K. D. [Guerrillas of Leningrad Province] Leningradskie partizany. Leningrad, Ob-vo po rasprostraneniui polit. i nauchn. znanii RSFSR, 1962. 98 p.

Sheverdalkin, P. R. [On the other side of the front] Po tu storonu fronta. [Leningrad] Lenizdat, 1962. 157 p.

LENINGRADSK REGION (EAST KAZAKHSTAN PROVINCE)—LABOR REST HOMES

Rest home for miners. D. Lashkov. Nar. khoz. Kazakh. 20 no. 12:32 D '62.

LENINGRADSK REGION (EAST KAZAKHSTAN PROVINCE)—ORE DRESSING

Reorganization and expansion of the Ore Dressing Plant no. 3 at the Leningradsk Complex Metal Ore Combine. V. K. Zakhvatkin, M. V. Ushakov. TSvet. met. 35 no. 2:1-6 F '63.

LENINSK (VOLGOGRAD PROVINCE)—ATHEISM—STUDY AND TEACHING

Letters to the editor. P. Kachukin and others. Polit. samobor. 6 no. 10:97-100 O '62.

LENKORAN LOWLAND—TEA—FERTILIZERS AND MANURES

Effect of irrigation and mineral fertilizers on the content of tannins in tea leaves. A. A. Imanova. Trudy Inst. gen. i sel. AN Azerb. SSR 2:148-156 '62.

- LENKORAN LOWLAND—TEA—IRRIGATION**
Effect of irrigation and mineral fertilizers on the content of tannins in tea leaves. A. A. Imanova. Trudy Inst. gen. i sel. AN Azerb. SSR 2:148-156 '62.
- LENSES, PHOTOGRAPHIC**
Contrast of the lattice image formed by microscope lenses. A. T. Ashcheulov, T. A. Pavlichuk, M. D. Khukhrina. Zhur. nauch. i prikl. fot. i kin. 8 no. 1: 64-67 Ja-F '63.
- LENSKIY DISTRICT (YAKUTIA)—BIRDS—FOOD**
Characteristics of the winter feeding habits of black grouse and raven in Lenskiy District, Yakutia. G. M. Kosygin. Ornitologiya no. 5:147-148 '62.
- LENSKIY DISTRICT (YAKUTIA)—BLACK GROUSE**
Characteristics of the winter feeding habits of black grouse and raven in Lenskiy District, Yakutia. G. M. Kosygin. Ornitologiya no. 5:147-148 '62.
- LENSKIY DISTRICT (YAKUTIA)—RAVENS**
Characteristics of the winter feeding habits of black grouse and raven in Lenskiy District, Yakutia. G. M. Kosygin. Ornitologiya no. 5:147-148 '62.
- LEONOV, LEONID MAKSMOVICH, 1899-**
Composition of L. M. Leonov's novel "Russian forest." A. M. Minakova. Uch. zap. MGPI [174]:299-318 '61.
- LEPTOSPIRA** see subdivision under Tomsk Province
- LEPTOSPIROSIS**
Clinical characteristics of type II swamp fever. S. V. Primakov. Vrach. delo no. 1:135-136 Ja '63.
Obtaining gamma globulins from hyperimmune leptospirosis serum and their immunizing properties. R. Ignat'eva, G. Mikheeva. Shor. stud. nauch. -issl. rab. VSKHI 1 no. 1:205-206 '62.
"Water fever in man and leptospirosis in cattle" by M. V. Zemskov. Reviewed by M. A. Musaev. Veterinaria 38 no. 10:90-91 O '61.
- LETTER SERVICES**
Addressing machine for 100 addresses. V. I. Barinov. Mekh. i avtom. protzv. 17 no. 2:51 F '63.
- LEUCISCUS** see subdivision under Pacific Ocean
- LEUCOCYTES**
Change in the osmotic resistance of leucocytes and phagocytosis caused by the use of sympathicotropic and parasympathicotropic substances. N. G. Larionova. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:225-230 '62.
Cytochemical reactions occurring in the histogenesis of cutaneous wounds in animals following intramuscular injection of leucocytic factors. N. V. Popova. Dokl. AN SSSR 148 no. 2:465-468 Ja '63.
Effect of increased partial oxygen pressure on the morphological composition of the leucocytes in mice. I. S. Breslav, A. G. Zhironkin, A. M. Shmeleva. Dokl. AN SSSR 149 no. 1:207-208 Mr '63.
- LEUCOCYTOSIS**
Studying digestive leucocytosis. A. Bereznev and others. Shor. stud. nauch. -issl. rab. VSKHI 1 no. 1: 147-149 '62.
Studying the resistance of erythrocytes during digestive leucocytosis. A. Kubarev and others. Shor. stud. nauch. -issl. rab. VSKHI 1 no. 1:151-154 '62.
- LEUCOPENIA**
Antileucocytic antibodies in leucopenic conditions [with summary in English]. L. D. Karpenko. Vrach. delo no. 1:43-47 Ja '63.
Therapy for radiation leucopenia. T. D. Makhmurian, A. A. Karapetian. Vop. rent. i onk. 6:205-210 '61.
- LEUCOSIS**
Distribution of leucosis among adult chickens on large poultry farms and the effectiveness of diagnostic methods in this disease. L. G. Burba, E. V. D'akonova. Trudy VIEV 26:30-41 '62.
- LEUKEMIA**
Case of a leukemoid reaction in a woman with chronic anhypertonic nephritis. V. A. Gol'dberg. Sov. med. 26 no. 12:100-102 D '62.
Effect of an injection of the blood of leukemia patients on the composition of the blood and the bone marrow of rabbits. N. V. Dzhibladze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:219-223 '62.
Kadyrova, T. K. [Leucosis and the nervous system; clinical and morphological studies] Leikozy i nervnaya sistema; kliniko-morfologicheskie issledovaniya. Baku, Azerbaidzhanskoe gos. izd-vo, 1961, 229 p., tables. (DNLM)
Rate of the occurrence of leucosis in the case of single and fractional irradiation. S. N. Aleksandrov, K. F. Galkovskaya. Dokl. AN SSSR 149 no. 1:194-197 Mr '63.
- LEVEL (SURVEYING INSTRUMENT)**
Calculation of systematic errors for levels with self-adjusting sight lines. F. M. Iashev, E. K. Nikol'skii. Geod. i kart. no. 1:18-22 Ja '63.
- LEVEL INDICATORS**
Contactless transistorized level indicators for materials in vessels. V. M. Skol'skii, Koks i khim. no. 1:54-57 '63.
- LEVEL INDICATORS FOR LIQUIDS** see Liquid level indicators
- LEVELING**
Efficient way of obtaining accuracy in trigonometric leveling. M. S. Krutger. Geod. i kart. no. 12:15-18 D '62.
Using the method of polygons in adjusting tied-in nets. N. I. Vallit. Geod. i kart. no. 12:19-22 D '62.
- LEVITSKII, DMITRII GRIGOR'EVICH, 1735-1822**
Something new on D. G. Levitskii. N. Gershenzon-Chegodaeva. Iskustvo 25 no. 8:87-70 '62.
- LEVOMEPRIMAZINE**
Clinical characteristics of the course of periodic depressive delirium attacks in schizophrenia patients when treated with nozinan (levomepromazine) [with summary in English]. M. S. Zeleva. Trudy Gos. nauch. -issl. inst. psikh. 35:230-239 '62.
- LEVOMYCETIN**
Functional state of the liver in chronic cholecystitis before and after treatment with erythromycin and levomycetin [with summary in English]. P. G. Podorozhnyi. Vrach. delo no. 1:32-35 Ja '63.
Treatment of typhoid and paratyphoid patients by blood transfusion in conjunction with levomycetin. I. K. Musabev, G. K. Khamidov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:145-150 '62.
- LEWIS, SINCLAIR, 1855-1951**
"Sinclair Lewis: an American life" [in English] by Mark Shorer. Reviewed by M. Mendel'son. Vop. lit. 6 no. 12:209-213 D '62.
- LEXICOLOGY**
Levkovskaya, K. A. [Theory of words, principles of their construction and aspects of studying lexical materials] Teoriya slova, printsipy ee postroeniya i aspekty izucheniya leksicheskogo materiala. Moskva, Vysshaya shkola, 1962, 295 p.
- LIABILITY (LAW)**
Compensation for injuries incurred by the employees while acting in the public interest or trying to save other persons' lives. P. Stavys'kiy. Rad. pravo no. 5:67-70 S-O '62.
"Compensation to enterprises and institutions for damage caused by their workers and employees" by E. A. Klonov, V. G. Malov. Sov. iust. no. 3:28-30 F '63.
- LIABILITY FOR ANIMALS**
We should unremittingly try to prevent the damage of field crops by farm animals. M. Bobrov. Rad. pravo no. 5:17-21 S-O '62.
- LIAUDANSKI, ULADZIMIR**
"On the banks of a river; stories" by Uladzimir Liaudanski. Reviewed by M. Buhryn. Belarus' 20 no. 2:28 F '63.
- LIBERIA—TRIALS (CONSPIRACY)**
Is emulation necessary? IU, B. Nov. vrem. 20 no. 9: 16-17 Mr '63.
- LIBERTY**
Communism and freedom. V. Pankratov. Belarus' 20 no. 2:17 F '63.
- LIBERTY OF CONSCIENCE**
Intolerance. Nauka i rel. 4 no. 1:83-84 Ja '63.
- LIBRARIANS**
Volunteer workers are the librarian's assistants. Klub 12 no. 7:13-14 Ji '62.
- LIBRARIES** see subdivision under Leningrad; Mag-nitogorsk; Moscow; Moscow Province; Novorossiysk
- LIBRARIES, PRIVATE**
I gave away everything and became richer. E. Timoshenko. Kul't. -pros. rab. 23 no. 8:34-35 Ag '62.
"Lomonosov's library" by G. M. Korovin. Reviewed by V. R. Leikina-Svirskaya. Vop. arkh. 7 no. 3:122-124 Ji-S '62.
- LIBRARIES, WORKINGMEN'S**
Book treasures are yours! Sov. profsoiuzy 19 no. 2:24 Ja '63.
- LIBRARIES AND READERS**
Bring books to youth! N. Gavrilov. Klub 12 no. 8:28-29 Ag '62.
Our country strides into communism. I. Lavrinovich. Klub 11 no. 6:27-28 Je '62.
Together with the Communist Youth League for youth. E. Klot. Klub 11 no. 6:29-30 Je '62.
- LIBRARY CATALOGS** see subdivision under Moscow
- LIBRARY SCIENCE—STUDY AND TEACHING**
Visual aids used in studying the course "How to catalog the collections of books." O. Sokol's'kiy. Sots. kul't. no. 2:36-37 F '63.
Voluntary librarians should be taught the basic principles of library science. H. Koliadenko. Sots. kul't. no. 2: 31-32 F '63.
- LICHENS** see subdivision under Lachin District
- LICORICE**
New triterpenic acid ("meristotropic") from Glycyrrhiza triphylla Fisch. et Meyl. N. P. Kir'yalov, T. N. Naugol'naya. Zhur. ob. khim. 33 no. 2:694-697 F '63.
New triterpenic acid ("macedonic") from Glycyrrhiza macedonica Boiss. et Orph. N. P. Kir'yalov, T. N. Naugol'naya. Zhur. ob. khim. 33 no. 2:697-700 F '63.
Triterpenic acid ("echinatic") from roots of Glycyrrhiza echinata L. N. P. Kir'yalov, T. N. Naugol'naya. Zhur. ob. khim. 33 no. 2:700-703 F '63.
- LIFE—ORIGIN**
Life in the universe. A. I. Oparin. Priroda 52 no. 2: 14-21 '63.
- LIFE ON OTHER PLANETS**
Is life possible on Jupiter? I. S. Shklovskii. Priroda 52 no. 2:111 '63.
Life in the universe. A. I. Oparin. Priroda 52 no. 2: 14-21 '63.
Mars and organic life. V. G. Fesenkov. Priroda 52 no. 2:22-26 '63.
- LIFE ON PLANETS** see Plurality of worlds
- LIGAMENTS—SURGERY**
Alloplastic restoration of the ligament apparatus of the knee joint. M. V. Gromov. Nauch. trudy Chetv. Mosk. gor. klin. bol'n. no. 1:95-104 '61.
- LIGHT—PHYSIOLOGICAL EFFECT**
Attraction by light of organisms on which fishes feed. P. V. Mikheev, E. V. Matamor, V. P. Mikheev. Vop. ikht. 2 no. 4:731-739 '62.
- LIGHT—SCATTERING**
Characteristics of the properties of homo- and copolymers of 2-methyl-5-vinylpyridine obtained by the method of light scattering and viscosimetry. A. V. Topchlev and others. Neftekhimika 3 no. 1:90-93 Ja-F '63.
Effect of light scattering in the real atmosphere on the observed light brightness of the night sky. V. M. Morozov. Izv. AN SSSR, Ser. geofiz. no. 12:1837-1842 '62.
- LIGHT METALS**
[Principles of metallurgy in 4 volumes] Osnovy metallurgii v chetyrekh tomakh. Red. kollegiya: IU. A. Bykhovskii i dr. Moskva, Metallurgizdat. Vol. 3. [Light metals] Legkie metally. Otv. red. A. I. Bellaev i N. S. Greiver. 1963. 519 p.
- LIGHTING**
Automatic control of the lighting system in poultry houses. A. A. Popov, L. S. Fed'. Mekh. sil', hosp. 13 no. 12:25 D '62.
Combined designs of a contact network and outdoor illumination of stations. N. N. Firsanov. Transp. stroit. 12 no. 7:41-44 Ji '62.
- LIGHTNING**
Damage of trees by lightning. V. I. Arabadzhi, S. G. Khodasovich. Priroda 52 no. 2:99-100 '63.
- LIGHTWEIGHT CONCRETE**
(see also subdivision under Ukraine)
Angarsk is being built of air-entrained fly-ash concrete. R. Zurbayev, I. Zverev. Na stroit. Ros. 3 no. 3:25-27 Mr '62.
Manufacture of products out of "gliezhbeton" containing little or no cement. S. I. Barilovich, A. I. Iasevich, G. F. Tarasov. Transp. stroit. 12 no. 9:36-38 S '62.
Multiple-hollow roof slabs made of lightweight concrete. N. Kornev, A. Kudriavtsov, A. Akbarov. Na stroit. Ros. 3 no. 3:33-34 Mr '62.
Nonautoclaved, insulating foamed concrete made with phosphorus slag. I. S. Limanskaya. Stroit. mat. 9 no. 2: 25-26 F '63.
Possibilities of using acid blast-furnace and open-hearth waste slags for the production of cellular concretes. L. M. Rozenfel'd and others. Stroit. mat. 9 no. 2:20-29 F '63.
Slabs of cellular concrete in industrial construction. V. Kolesnikov, N. Gusev. Na stroit. Ros. 3 no. 12:20-23 D '62.
- LIGHTWEIGHT CONCRETE—TESTING**
Satin, M. S., and V. R. Klem. [Porous fine concretes hardened in autoclaves] Porizovannyye melkozernistyie betony avtoklavnoye tvordeniya. Leningrad, Gosstroizdat, 1962. 58 p.
- LIGNIN**
Acid condensation of lignin. D. V. Tishchenko. [Trudy] NTO bum. i der. prom. no. 8:40-51 '59.
Delignification of wood by dimethylsulfoxide. Report No. 1. B. D. Bogomolov, O. P. Alekseev. Izv. vys. ucheb. zav. i les. zhur. 5 no. 5:155-160 '62.

LIGNIN (Continued)

Digestibility of proteins accompanying lignin in forage plants. M. A. Ter-Karapetian, A. M. Ogandzhanian. *Izv. AN Arm. SSR. Biol. nauki* 15 no. 8:21-32 Ag '62.
Lignin is a diluent of slurry. S. M. Neiman, V. F. Bugrov. *TSement* 29 no. 1:19-20 Ja-F '63.

LIGNITE

Experience in burning brown coals in wet-bottom furnaces with shaft-type impact mills. V. E. Maslov and others. *Toploenergetika* 10 no. 2:15-19 F '63.

LIME

Worm pump for lime paste. *Stroitel'* 8 no. 1:insert 4 p. Ja '62.

LIME INDUSTRY—COSTS see subdivision under Tyul'kubas

LIMESTONE see subdivision under Barsuki region

LIMING OF SOILS

New types of industrial lime waste and their effectiveness in liming Podzol soils [with summary in English]. M. F. Kornilov, Z. V. Trunina, V. P. Illuvieva. *Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:257-277 '60.
Practices in liming acid soils in Scotch pine plantations. P. I. Ushakov. *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5:30-33 '62.
The RSI-8 self-loading distributor of liming materials. V. V. Kulikov. *Biol. nauch.-tekh. inform. SZNIISKH* no. 3:61-63 '60.
Shale ash, its composition, properties, and conditions of use for soil liming [with summary in English]. F. M. Kornilov. *Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:276-279 '60.

LIMIT THEOREMS (PROBABILITY THEORY)

Integral limit theorem for large deviations. S. V. Nagnov. *Dokl. AN SSSR* 148 no. 2:280 Ja '63.
Integral limit theorem for large deviations. S. V. Nagnov. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk* 6 no. 6:37-43 '62.

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Determining cost. A. Ivanov. *Vest. stat.* no. 2:61-70 '63.
Direct methods for solving systems of normal equations with triangular factorization. B. F. Magustkin. *Izv. vys. ucheb. zav. i aerof.* no. 4:47-64 '62.

LINEAR PROGRAMMING

Application of linear programming in establishing work norms. M. Zaitchik. *Sots. trud* 8 no. 1:79-88 Ja '63.
Search for an optimum variant of ship positioning on foreign navigation lines. N. E. Dmitrieva. *Trudy TSNIIMF* no. 43:39-48 '62.

LINGUISTICS, MATHEMATICAL see Mathematical linguistics

LINK TRAINERS

How long does a link trainer work; missed opportunities; organization problems should be solved urgently. P. Ruskov. *Grazhd. av.* 19 no. 12:20 D '62.
On earth as in the air; merits of stimulating units; objective flight control. G. Filanovskii. *Grazhd. av.* 19 no. 12:16-19 D '62.
Sceptics still remain; discomfiture of pilot Pavlov; lessons of practice; our suggestions. I. A. Legotina. *Grazhd. av.* 19 no. 12:19-20 '62.

LINNETS see subdivision under Moscow

LINOLEUM—TESTING

Durability of polyvinyl chloride linoleums according to results of tests for rapid aging and actual observations. M. E. Kagan, V. D. Gudanov. *Stroitel. mat.* 9 no. 2:33-34 F '63.

LINOTYPE

Kazakov, V. I. [At the sources of a book] *U istokov knigi.* [Leningrad] Lenizdat, 1962. 36 p. (Peredovoi ogyt vsem)

LINTON, RALPH, 1893-1963

Evolution of R. Linton's views on the art of the African peoples. G. A. Chernova. *Nar. Az. i Afr.* no. 1:183-188 '63.

LIPETSK—CONCRETE PLANTS

The Lipetsk Reinforced Concrete Elements Plant for Industrial Construction. A. Suenkov, V. Kalachev. *Na stroit. Ros.* 3 no. 2:10-12 F '62.

LIPID METABOLISM

Effect of β -sitosterol on lipid metabolism and the course of atherosclerosis [with summary in English]. I. V. Krivoruchenko. *Sov. med.* 26 no. 12:32-37 D '62.
Intensity of the metabolism of cholesterol and total lipids in the liver under normal conditions and during the action of some agents on the organism [with summary in English]. G. P. Sokolova. *Vest. LGU* 18 no. 3:121-126 '63.

LIPOPROTEINS

Changes in the lipoprotein and glycoprotein fractions of the blood serum in the process of aging. E. A. Sel'kov. *Trudy LIETIN* no. 4:16-47 '60.

LIQUEFIED GASES—ELECTRIC PROPERTIES

Experimental determination of the electric conductivity of liquid sodium, liquid potassium and liquid lithium. A. N. Solov'ev. *PMTF* no. 1:158-160 Ja-F '63.

LIQUEFIED PETROLEUM GAS

(see also subdivision under Krasnodar Territory)
Automatic measuring out of liquid gas in the filling of tanks. V. Mustataea, V. Shubin. *Zhizn.-kom. khoz.* 12 no. 10:26-29 O '62.

LIQUID FERTILIZERS AND MANURES

A system for spreading liquid toxic fertilizers. K. Korolenko, V. Sokolov, A. Luk'ianchuk. *Tekhn. v sel'khoz.* 22 no. 12:73-74 D '62.

LIQUID HELIUM

Measuring the frequency and damping of the oscillations of a light disc immersed in rotating He II [with summary in English]. E. L. Andronikashvili, D. S. Tsakadze. *Trudy Inst. fiz. AN Gruz. SSR* 8:209-212 '62.

Possible use of a helium condensation pump in purging out magnetic traps. E. S. Borovik, F. I. Busoi, V. A. Kovalevko. *Zhur. tekhn. fiz.* 33 no. 1:100-104 Ja '63.

LIQUID LEVEL INDICATORS

Automatic level control of flotation concentrate in vacuum filter baths. E. K. Efimovich and others. *Avtom. i prib.* no. 3:21-23 Ji-S '62.
Instruments for the automatic control of the viscosity and level of liquids in the manufacture of artificial leather. V. V. Matveev, A. M. Lushnikov. *Nauch.-issl. trudy VNIPIK* no. 12:95-104 '60.
Use of cavity resonators for liquid level measurements. L. G. Palevich. *Dokl. AN SSSR* 148 no. 2:314-316 Ja '63.

LIQUID METALS

Experimental study of the gaseous phase formation process in metallic melts. S. I. Filippov, M. G. Krasheninnikov, I. I. Ioffe. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:8-16 '63.
Heat transfer to liquid metals flowing in tubes. V. M. Borishanskii, T. V. Zablotskaya, N. I. Ivashchenko. *Atom. energ.* 14 no. 3:320-321 Mr '63.

LIQUID OXYGEN—TRANSPORTATION

Degrassing containers for liquid oxygen. A. Kornienko, A. Kozlov. *Av. i kosm.* 45 no. 2:83-84 F '63.

LIQUID VAPOR EQUILIBRIUM

Determining hydrogen solubility in iron in a melting and boiling temperature range. V. I. Lakomskii. *Avtom. svar.* 16 no. 1:36-43 Ja '63.

LIQUIDS

Evaporation coefficients of liquid C_2H_5OH , BCl_3 , BF_3 , CH_4 . I. B. Amirkhanova and others. *Dokl. AN SSSR* 149 no. 1:114-116 Mr '63.
Use of hollow cylinders in studying the viscous properties of liquids [with summary in English]. D. S. Tsakadze, K. B. Meschede. *Trudy Inst. fiz. AN Gruz. SSR* 8:213-218 '62.
Why does the water flow? G. Vershinskii. *Znan.-sila* 37 no. 12:32-33 D '62.

LIQUIDS, KINETIC THEORY OF

More on the behavior of a liquid approaching weightlessness. V. V. Shuleikin. *Dokl. AN SSSR* 147 no. 5:1075-1078 D '62.

LIQUORICE see Licorice

LISTERELLA

Data on the preparation of type-specific adsorbed listeriosis sera [with summary in English]. L. A. Burenkova. *Trudy TomNIIVS* 11:280-283 '60.

Effect of different conservants, time, and storage conditions on the quality of listeriosis agglutinating serum [with summary in English]. L. A. Burenkova. *Trudy TomNIIVS* 11:275-279 '60.

Indirect hemagglutination reaction as a method for determining the formation of antibodies to listerella [with summary in English]. R. Karpov. *Trudy TomNIIVS* 11:228-231 '60.

Methods of preparing listeriosis agglutinating serum [with summary in English]. L. A. Burenkova. *Trudy TomNIIVS* 11:270-274 '60.

Preparation of listerella antigen for the indirect hemagglutination reaction [with summary in English]. L. A. Burenkova. *Trudy TomNIIVS* 11:225-227 '60.

Sensibilizing effect of extracts of listerella cultures on the erythrocytes [with summary in English]. A. A. Tripoltova. *Trudy TomNIIVS* 11:213-217 '60.

Using ultramicroscopy for studying the mobility of *Streptococcus erysipellatus* and *Listeria*. A. Kirina. *Sbor. stud. nauch.-issl. rab. VSKHI* 1 no. 1:217 '62.

LISTERIOSIS

(see also subdivision under Lugansk Province; Ural Mountain region)

Reaction of indirect hemagglutination in listeriosis immunology [with summary in English]. A. A. Tripoltova. *Trudy TomNIIVS* 11:218-224 '60.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—CONGRESSES

Registrar or "accelerator of literary life?" Vitalii Ozerov. *Vop. lit.* 6 no. 12:101-110 D '62.

LITERATURE—DICTIONARIES

Lietuvos TSR Mokslu akademija, Vilna. *Lietuviu kalbos ir literaturos institutas*. [Dictionary of literary terminology] *Literaturos terminu zodynas*. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 80 p. [In Lithuanian and Russian]

LITERATURE—HISTORY AND CRITICISM

(see also subdivision under Kara-Kalpak A. S. S. R.)
The main thing is moral pathos. Juraj Špitzer. *Vop. lit.* 6 no. 12:130-133 D '62.
Maintain mutual understanding. Jiri Hajek. *Vop. lit.* 6 no. 12:124-130 D '62.
Turaev, S. V. [Introduction to West European literature of the 18th century] *Vvedenie v zapadnoevropeiskuyu literaturu XVIII veka*. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 67 p. (V pomoshch' studentu filologu)

LITERATURE—STUDY AND TEACHING

Cooperation of enthusiasts. I. B. Kantorovich. *Vest. vys. shkoly* 21 no. 2:65-68 F '63.
Individualization of homework assignments. E. S. Rabunskii. *Dokl. APN* 6 no. 5:53-56 '62.
Vsesoyuznos obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znanii. [Model subject instruction plan and program for Russian classical, Soviet and foreign literature] *Primereniy uchebno-tematicheskii plan i programma po russkoi klassicheskoj, sovetskoi i zarubezhnoj literature; dlya narodnykh universitetov kul'tury s dvukhgodichnym srokom obucheniya*. Moskva, Izd-vo "Znanie," 1962. 71 p.

LITERATURE, COMPARATIVE

New frontiers: the study of Ukrainian-foreign literary ties. L. Ivanov. *Vop. lit.* 6 no. 12:102-107 D '62.

LITERATURE, COMPARATIVE—RUSSIAN AND UKRAINIAN

Plisetskii, M. M. [Interrelation of the Russian and Ukrainian epic] *Vzaimosvyazi russkogo i ukrainskogo gerolicheskogo oposa*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 446 p.

LITHIUM

Conjugated systems. Part 166: Addition of butyllithium and tertiary butyllithium to vinyl-trimethylacetylene. A. A. Petrov, I. A. Morozina, V. A. Kormer. *Zhur. ob. khim.* 33 no. 2:413-415 F '63.
Mechanism of the reaction of ethyllithium with ethyl iodide. F. S. D'achkovskii, A. E. Shilov. *Zhur. ob. khim.* 33 no. 2:406-411 F '63.

LITHIUM CARBONATE

Solubility in the system $Li_2CO_3 - Na_2CO_3 - H_2O$ at 50° and 100°C. L. S. Ikin, N. M. Chaplygina. *Zhur. neorg. khim.* 7 no. 12:2793-2800 D '62.

LITHIUM SALTS

Extraction of indicator concentrations of hydrochloric acid with tributyl phosphate. Isolation of carrier-free fluorine-19 from a neutron-irradiated lithium salt. V. I. Levin, L. S. Kozyreva. *Radiochimia* 5 no. 1:41-49 '63.

LITHOLOGY see Petrology

LITHUANIA—AGRICULTURAL MACHINERY

Comprehensive mechanization of the production of artificially dried grass meal. V. Valusha. *Ekon. sel'khoz.* 34 no. 2:75-78 F '63.

LITHUANIA—APARTMENT HOUSES

Large-panel housing construction in the Lithuanian S. S. R. *Bud. stroit. tekhn.* 20 no. 2:36-37 F '63.

LITHUANIA—COMMUNIST PARTY

Berzinskaitė, Anatolija. [Activities of the Lithuanian Communist Party in educating the Lithuanian working people in the spirit of proletarian internationalism, 1927-1940] *LKP veikla nukreipiant Lietuvos darbo zmones proletarinio internacionalizmo dvasia, 1927-1940*. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 149 p. [In Lithuanian]

LITHUANIA—DAIRY CATTLE BREEDING

Increasing the butterfat content of dairy cattle in the Lithuanian S. S. R. R. P. Zebenka. *Zhivotnovodstvo* 23 no. 8:38-42 Ag '61.

LITHUANIA—DRAINAGE

Effect of drainage on the physical and agrochemical properties of excessively wet soils in the Lithuanian S. S. R. [with summary in English]. V. Milauskas. *Pochvovedenie* no. 1:61-74 Ja '63.

LITHUANIA—ETHNOLOGICAL MUSEUMS AND COLLECTIONS

"Ausra," a historical and ethnographical museum, and its ethnographical collection. V. V. Zdzikauskas. *Vop. arkh.* 7 no. 3:70-72 Ji-S '62.

LITHUANIA—HAY

Comprehensive mechanization of the production of artificially dried grass meal. V. Valushis, Ekon.sel'khoz. 34 no.2:75-78 F '63.

LITHUANIA—INDUSTRIAL MANAGEMENT

Disseminating the "Elfa" Plant initiative in the economic region. A. Didziulis, Sots. trud 8 no.1:30-34 Ja '63.

Work organization should have a scientific basis. P. Dobrovolskis, Sov.profsojuzy 19 no.5:6-8 Mr '63.

LITHUANIA—LABOR AND LABORING CLASSES

Work organization should have a scientific basis. P. Dobrovolskis, Sov.profsojuzy 19 no.5:6-8 Mr '63.

LITHUANIA—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Machine tools and instruments for the national industry. Inform.biol. VDNKH no.2:10 F '62.

LITHUANIA—NEWSPAPER AND PERIODICAL CIRCULATION

During the new year's subscription campaign. I. Klimaitis, Raspr.pech. no.1:8 Ja '62.

LITHUANIA—PHOTOGRAPHY—PRINTING PAPERS

Semiconductor photographic paper and its application. L. Nlunka, I.B.Sidaravicius, Bum.prom. 38 no.2:29-31 F '63.

LITHUANIA—PRECAST CONCRETE CONSTRUCTION

Large-panel housing construction in the Lithuanian S.S.R. Biul.stroil.tekh. 20 no.2:36-37 F '63.

LITHUANIA—PRODUCTION STANDARDS

Disseminating the "Elfa" Plant initiative in the economic region. A. Didziulis, Sots. trud 8 no.1:30-34 Ja '63.

LITHUANIA—SERFDOM

Jurginis, J. [Development of serfdom in Lithuania] Baudzlavos isagalejimas Lietuvoje. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 342 p. [In Lithuanian]

LITHUANIAN LANGUAGE—DICTIONARIES—RUSSIAN

Lietuvos TSR Mokslo akademija, Vilna. Lietuviu kalbos ir literaturos institutas. [Dictionary of literary terminology] Literaturos terminu zodinas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 60 p. [In Lithuanian and Russian]

LITHUANIAN OPERA see Opera, Lithuanian

LITTER (BEDDING)

Peat litter. N. A. Berkovich. Zhivotnovodstvo 23 no.5:55-56 My '61.

LIVER

Antitoxic function of the liver in brucellosis [in Georgian with summary in Russian]. G. P. Adamia, K. A. Dzhihuradze, Trudy Tbil.GIDUV 8:217-222 '62.

Effect of some antibiotics on the liver in experimental toxic hepatitis. T. S. Iuzefovich, Trudy Kish.gos.med.inst. 11:137-140 '60.

Effect of the iron-59 radioisotope on the activity of arginase from the liver of rats. Kh. K. Kasymov, Dokl. AN Tadzh. SSR 3 no.5:61-63 '60.

Functional anatomy of the lymphatic vessels of the normal and pathological liver [with summary in English]. A. A. Sushko, Vrach.delo no.11:84-91 N '62.

Functional state of the liver in chronic cholecystitis before and after treatment with erythromycin and jevomycin [with summary in English]. P. G. Podorozhnyi, Vrach.delo no.1:32-35 Ja '63.

Immunochemical analysis of liver proteins in radiation sickness. O. I. A. Tereshchenko, E. M. Beliaeva, L. F. Mikhailova, Radiobiologiya 3 no.1:93-98 '63.

Intensity of the metabolism of cholesterol and total lipids in the liver under normal conditions and during the action of some agents on the organism [with summary in English]. G. P. Sokolova, Vest.LGU 18 no.3:121-126 '63.

Reflex relationship between the mammary gland and the liver. I. I. Grachev, Shi Chzhun-t'uan' [Shih Chun-yuan]. Dokl. AN SSSR 148 no.1:231-234 Ja '63.

LIVER—BIOPSY

Significance of cytologic study of liver punctates in the differential diagnosis of Botkin's disease. R. P. Naumova, Vrach.delo no.1:133-135 Ja '63.

LIVER—CIRRHOSIS

Splenomanometry in the diagnosis of portal hypertension [with summary in English]. M. P. Postolov, Vest.khir. 89 no.11:30-33 N '62.

Surgical treatment of liver cirrhosis. G. D. Iseliani, Trudy Inst. eksp. i klin.khir. i gemat. AN Gruz. SSR 10:157-161 '62.

LIVER—GLYCOGENIC FUNCTION

Dynamics of the glycogen content in the liver in different forms of experimental hypertension. V. M. TSinam-zgrishvili, Trudy Inst. eksp. i klin.khir. i gemat. AN Gruz. SSR 10:283-288 '62.

LIVER—DISEASES

Data on the study of some functions of the liver in diseases of the gallbladder and biliary tract. [In Georgian with summary in Russian]. F. V. Shotadze, Trudy Tbil.GIDUV 6:319-326 '62.

Hepatic syndrome and its diagnostic significance in the clinical picture of salmonellosis. S. P. Khristili, Vrach.delo no.1:132-133 Ja '63.

Histopathology of the liver in toxic dyspepsia of newborn calves. L. Koslov, Sbor.stud.nauch.-issl.rab. VSKH 1 no.1:173-177 '62.

Role of the Takata test in the disorders of metabolism in dairy cows. K. Vodia, Veterinariia 37 no.7:56-60 Ji '60.

LIVER—INNERVATION

Asymmetry in liver innervation and its practical significance [with summary in English]. K. I. Chislovskii, Vrach.delo no.1:75-78 Ja '63.

LIVER—SURGERY

Surgical treatment of liver cirrhosis. G. D. Iseliani, Trudy Inst. eksp. i klin.khir. i gemat. AN Gruz. SSR 10:157-161 '62.

LIVER FLUKE

Fascioliasis. N. G. L'vova. Vrach.delo no.11:123-124 N '62.

LOADING AND UNLOADING

Improvement of the elevator of the SNT-2, 1 beet loader. V. I. Ianchevskiy, Mekh.sil'.hosp. 13 no.12:17-18 D '62.

Improving the control circuit of cement unloaders. V. T. Marishchuk, Transp.stroi. 12 no.9:52 S '62.

Mechanization and automation of loading and unloading in warehouses. N. I. Lifshits, A. Kh. Faizusovich, Mekh. i avtom.proizv. 17 no.1:35-39 Ja '63.

Strengthening the conveyor of the SNT-2, 1 beet loader. O. S. Zlochevskiy, Mekh.sil'.hosp. 13 no.12:18 D '62.

Parameters of the cutting unit of the drum of a silo loading machine of continuous operation. M. M. Mustafaez, Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk no.4:81-87 '62.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

(see also subdivision under Donets Basin)

"BSH" grab for the loading and unloading of automobile tires. A. Blidman, Rech.transp. 22 no.1:43-44 Ja '63.

Standardized automatic dumper with a vibrating cleaner. A. S. Serebrinskii, Ugol.prom. no.6:40-44 N-D '62.

LOADING AND UNLOADING—SAFETY MEASURES

Investigating free-lying unloading plates. A. Polovinkin, Rech.transp. 22 no.1:38-40 Ja '63.

LOADING AND UNLOADING—TECHNOLOGICAL INNOVATIONS

Automatic dumping of railroad cars loaded with pellets (from "Engineering and Mining Journal," no.7, 1962). L. N. Voronin, Gor.zhur. no.2:70-71 F '63.

LOCAL GOVERNMENT

(see also subdivision under Aleksandriya District; Tambov Province)

Genuine people's government. S. Orlov, Agitator no.3:13-17 F '63.

LOCAL TRANSIT

[Examples of the design of roads and public transportation systems in cities] Primery proektirovaniia dorog i setei passazhirskogo transporta v gorodakh. [By] E. A. Merkulov i dr. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 265 p.

Raise the work of municipal electric transportation to the level of modern tasks. Zhil.-kom.khoz. 12 no.8:1-2 Ag '62.

LOCAL TRANSIT—ABSTRACTS

[Automotive and city transportation] Ref. zhur.: Avt. i gor.transp. no.3 Mr '63.

LOCOMOTION, DISORDERED

Use of royal jelly preparation in lesion of the locomotor apparatus of children suffering from insufficient nutrition. V. V. Sudakova, Inform.biol.o mat.moloch. no.3:59-61 '62.

LOCOMOTIVE ENGINEERS

Practical advice to the engineers of VL22^M electric locomotives. V. E. Oshchepkov, Elek. i tepl.tiaga. 7 no.1:37 Ja '63.

LOCOMOTIVE WORKS see subdivision under Lugansk; Poltava

LOCOMOTIVES

(see also subdivision under Great Britain)

Evaluating the utilization of locomotives. M. A. Mezen-tsev, Trudy TSNI MPS no.246:40-70 '62.

Mironov, I. M. [Locomotives of today and tomorrow] Lokomotivy nastoiashchego i budushchego. Moskva, Izd-vo "Znanie," 1963. 54 p. (Novoe v zhitel'stve, nauke, tekhnike. IV Seriya: Tekhnika, no.5)

LOCOMOTIVES—DESIGN AND CONSTRUCTION

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zhelezнодорожного транспорта. [Truck-type locomotive underframes for high-speed traffic] Telezhechnye ekipazhi lokomotivov dlia povyshennykh skorostoi dvizheniia. Moskva, Vses. izdatel'sko-poligr. ob'edinenie M-va putel soobshcheniia, 1962. 303 p. (Ils Trudy, no.248)

LOCOMOTIVES—MAINTENANCE AND REPAIR

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zhelezнодорожного транспорта. [Unit replacement system and concentration of locomotive repair work] Agregatnyi metod i kontsentratsiia remonta lokomotivov. Moskva, Vses. izdatel'sko-poligr. ob'edinenie M-va putel soobshcheniia, 1962. 179 p. (Ils Trudy, no.226) This is how we have increased labor productivity. A. V. Kutsenko, Elek. i tepl.tiaga. 7 no.1:15-16 Ja '63.

LOCOMOTIVES—TESTING

Studying the natural vibrations of the locomotive wheel pair during slippage. M. A. Suzdal'sev, A. A. Vorob'eva, Trudy MIIT no.150:40-66 '62.

LOELLINGITE see subdivision under Vanch Range

LOESS see subdivision under Rumania

LOGGING (GEOLOGY)

Results of using geophysical methods to study the geology of the earth's crust in the central Arctic. R. M. Dement'skaya, A. M. Karasik, I. U. G. Kiselev. Probl.Arkt. i Antarkt. no.11:61-65 '62.

LOGGING ROADS see Forest roads

LOGIC

Kryms'kyl, S. B. [Origin of the forms and laws of thought] Genezya form i zakonov myshleniia. Kyiv, Vyd-vo AN URSR, 1962. 123 p.

Problem of principles in Aristotle's theory of categories [in Georgian with summary in Russian]. G. V. Machitadze, Trudy Inst. filoz. AN Gruz. SSR 11:161-169 '62.

Uemov, A. I. [Things, properties, and relations] Veshchi, svoistva i otnosheniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 183 p.

LOGIC, SYMBOLIC AND MATHEMATICAL

Some algorithms for calculating monotonic functions in the algebra of logic. V. K. Korobkov, T. L. Roznik. Dokl. AN SSSR 147 no.5:1022-1025 D '62.

Symposium on "The Logic of Scientific Research." B. V. Birlukov, Usp.mat.nauk 18 no.1:235-236 Ja-F '63.

Two variants of the classical calculation of predicates without structural rules of derivation. V. A. Matulis. Dokl. AN SSSR 147 no.5:1026-1031 D '62.

LOK-BATAN REGION—PETROLEUM GEOLOGY

Some data on the oil pool of the Sub-Kirmaki series in the southern wing of the Lok-Batan field. F. M. Guseinov, Azerb.neft.khoz. 41 no.4:10-12 Ap '62.

LOM, BULGARIA—AGRICULTURE—ACCOUNTING

How we account for labor expenditure. Polagla TSonova. Uchet i fin. v kolhoz, i sovkhoz. 20 no.1:56-59 Ja '63.

LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765

"Lomonosov's library" by G. M. Korovin. Reviewed by V. R. Leikina-Svirskaya, Vop.arhkh. 7 no.3:122-124 Ji-S '62.

LONDON—REFUGEES, RUSSIAN

Evgenii Sobakin, a former actor. Valentyna Enikova, Ukraina no.1:10 Ja '63.

LONDON—THEATER

London season. D. Shestakov, Teatr 24 no.1:119-121 Ja '63.

LONGEVITY

Lukomskii, I. I. [The "secret" of longevity] "Sekret" dolgoletii. Moskva, Izd-vo "Fizkul'tura i sport," 1961. 38 p. (Biblioteka "Fizkul'tura i zdorov'e") (DNLM)

LONGSHOREMEN see subdivision under Odessa

LONGUET, FREDERIC, 1904-

Frederic Longuet's landscapes. V. Gorin'nov. Iskusstvo 25 no.9:41-44 '62.

LOOMS

Causes of filling breakage on automatic looms. A. N. Rogozin, Tekst.prom. 23 no.1:54-57 Ja '63.

Consultation. Tekst.prom. 23 no.1:93 Ja '63.

One of the methods of increasing the speed of looms (conclusion). V. K. Gor'kov, Izv.vys.ucheb.zav. i tekhn.tekst.prom. no.6:96-102 '62.

Principles of the use of templates in textile machinery. I. I. Gertsuk, Lezh.prom. no.3:42-44 Ja-Ag '62.

Redesigning of the Jacquard loom for the manufacture of rug goods with a new type of structure. A. E. Krasnoborod'ko, Izv.vys.ucheb.zav. i tekhn.tekst.prom. no.8:89-95 '62.

Ways of developing noiseless automatic looms. V. P. Babin, Tekst.prom. 23 no.1:14-15 Ja '63.

LOOMS—ELECTRIC DRIVING

Experimental testing of the electric drive of the automatic AT-100-1 loom. G. M. Smirnov, O. O. Ivanov, O. M. Savchenko. Lsh. prom. no. 3:75-76 Ja-Ag '62.

Induction motor with a flat starter for the shuttle propulsion in a loom for metallic fiber weaving. V. I. D'yakov. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6: 117-120 '62.

LOOMS—TESTING

Two methods of determining consumption power of looms. I. U. A. Pivovarov, I. U. A. Shamshurin. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:121-125 '62.

LOTTE, SOF'IA ANDREEVNA, d. 1902

S. A. Lotte; obituary. Nov. i noveish. ist. no. 6:164 '62.

LOUDSPEAKERS

Improvement of the design of a small loudspeaker. P. Butov. Radio no. 2:30 F '63.

LOVCHORRUTE

Slepnev, I. U. S. [Lovchorrute-rinkolite pegmatites]. Lovchorrute-rinkolite pegmatites. Moskva, Izd-vo Akad. nauk SSSR, 1962. 149 p. (Akademiya nauk SSSR. Institut mineralogii, geokhimi i kristallografii redkikh elementov. Trudy, no. 13)

LOW-TEMPERATURE METALS see Metals at low temperatures

LOWER TUNGUSKA VALLEY—ROCKS, IGNEOUS

Intrusive trap rocks in the middle Lower Tunguska Valley. V. I. Kudriashova. Trudy IGEM no. 77:35-64 '62.

LOWER TUNGUSKA VALLEY—ICELAND SPAR

Powellite from the Iceland spar deposit in the Lower Tunguska Valley. E. I. Gurenova, T. A. Iakovlevskaya. Trudy Min. muz. no. 13:169-171 '62.

LOWER TUNGUSKA VALLEY—POWELLITE

Powellite from the Iceland spar deposit in the Lower Tunguska Valley. E. I. Gurenova, T. A. Iakovlevskaya. Trudy Min. muz. no. 13:169-171 '62.

LOX see Liquid oxygen

LUBRICATION AND LUBRICANTS

(see also subdivision under Azerbaijan; Great Britain)

Bobrov, N. N., and P. I. Voropai. [Using fuels and lubricants]. Prikladnaya teoriya i smazochnykh materialov. Pod obshch. red. N. N. Bobrova. Moskva, Gosoptekhizdat, 1962.

Effect of polyisobutylene on the coefficient of internal friction in lubricants depending on temperature and pressure [in Azerbaijan with summary in Russian]. N. M. Amirbekov. Azerb. neft. khoz. 41 no. 11:35-39 N '62.

Effect of the structure of synthetic carboxylic acids on the structure and properties of plastic sodium greases. V. V. Simitsyn and others. Neftekhimia 3 no. 1:128-134 Ja-F '63.

Spectral analysis of diesel oil. V. V. Chankin. Elek. i topl. tiaga 0 no. 12:36-37 D '62.

Studying the effect of the AzNII-10 additive on the stability and wear properties of lubricants. A. M. Kuliev, I. M. Orudzhova, P. S. Mamedova. Azerb. neft. khoz. 41 no. 7:33-39 JI '62.

LUBRICATION AND LUBRICANTS—ADDITIVES

Complexometric determination of barium in additives to lubricating oils. D. V. Faerman, D. S. Chigrin, Khim. i tekhn. topl. i masel 0 no. 1:64-65 Ja '63.

Features of oil filtration with additives in D100 engines. E. V. Turehak. Teplovoyz. i sud. dvig. no. 3:268-277 '62.

LUGA—POLITICS AND GOVERNMENT

Alekseenko, N. I. [The public becomes the boss]. Obshchestvennost' stanovitsya khoz. i polit. [Leningrad] Lenizdat, 1962. 60 p.

LUGANSK—LOCOMOTIVE WORKS

Methods for machining ball joints of locomotive parts and their economic efficiency. B. V. Kozlovskii, E. N. Gultia, V. V. Shechetkov. Mashinostroyeniye no. 6:100-102 N-D '62.

LUGANSK PROVINCE—COAL MINES AND MINING

Put the great program into practice. N. M. Khudosevteev. Bezop. truda v prom. 6 no. 11:6-8 N '62.

LUGANSK PROVINCE—LISTERIOSIS

Epizootiology of listeriosis in farm animals of Lugansk Province. G. G. Iurkov. Veterinariia 37 no. 11:48-49 N '60.

LUGANSK PROVINCE—MINE DUSTS—PREVENTION

Power shale duster. F. I. Venger. Ugol', prom. no. 6: 87-68 N-D '62.

LUGANSK PROVINCE—MINE HAULAGE—SAFETY

Appliances. Machines and equipment providing greater labor safety. E. M. Poljakov. Ugol', prom. no. 6:69-70 N-D '62.

LUGANSK PROVINCE—MINE SAFETY

Inspection of safety measures in mines of Lugansk Province. Bezop. truda v prom. 7 no. 1:39 Ja '63.

LUGANSK PROVINCE—VETERINARY MEDICINE

Epizootiology of listeriosis in farm animals of Lugansk Province. G. G. Iurkov. Veterinariia 37 no. 11:48-49 N '60.

LUGANSK REGION—COAL MINES AND MINING—LABOR PRODUCTIVITY

Economic efficiency of multishift operation. G. E. Kovalev, I. A. Panarin, G. M. Lagutin. Ugol', prom. no. 6:11-16 N-D '62.

Multishift organization of labor in the Luganskugol' Mining Combine. O. G. Posevkin. Ugol', prom. no. 8: 7-10 N-D '62.

LULLABIES see subdivision under Baltic States; Karelia

LUMBER—DRYING

(see also subdivision under Latvia) Correction and conversion factors for moisture for the strength limits of wood submitted to drying at high temperatures. N. L. Leonov, R. P. Boldenko. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:118-122 '62.

Davidenko, P. A. [Electrical section of a wood drying automatic control system]. Elektronnaya skhema avtomaticheskogo kontrolia sushki drevesiny. Moskva, Gosleskhimzdat, 1962. 53 p. (DNAL)

Equations of internal stresses in wood during drying [with summary in English, p. 70]. V. A. Shevchenko, M. N. Feller. Vysnyy ABIA URSSR no. 3:29-32 '62.

LUMBER—TRANSPORTATION

New method of lumber transportation by mixed railroad-water communications. E. Gagarin. Rech. transp. 22 no. 1:10-12 Ja '63.

Reasons for insufficient utilization of water transportation for lumber. V. P. Dmitriyev. Nauch. trudy LTA no. 95:49-60 '61.

Selection of the boom type as related to the volumetric weight of logs. A. M. Karavaev. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:83-87 '62.

Transportation of lumber. E. A. Gagarin, A. M. Obermeister. Mekh. i avtom. protzv. 17 no. 1:31-33 Ja '63.

LUMBERING

(see also subdivision under Georgia; Karelia; Russia, Northern)

Bonus system in the lumbering industry. A. M. Stopanov. Nauch. trudy LTA no. 95:43-47 '61.

Denisov, V. I. [Work organization in lumbering camps]. Organizatsiya proizvodstva na lesozagotovkakh. Moskva, Gosleskhimzdat, 1962. 123 p.

Nekrasov, R. M. [Rigging of skidding and loading equipment]. Montazh trevochno-pogruzochnogo oborudovaniya; prakticheskoe rukovodstvo. Moskva, Gosleskhimzdat, 1961. 130 p.

Timber resources of a lumbering enterprise. A. M. Stepanov. Nauch. trudy LTA no. 95:35-42 '61.

Use of lumbering wastes for the manufacture of fibrous semifinished products. A. S. Kossol. Bum. prom. 30 no. 1:28-30 Ja '63.

LUMBERING—COSTS see subdivision under Russia, Northern

LUMBERING—LABOR PRODUCTIVITY

Utilization of working time in logging operations. V. V. Sarkisov. Nauch. trudy LTA no. 95:3-23 '61.

LUMBERING—MACHINERY

Classification and operating conditions of units for bucking full-length logs. I. G. Oshchinskii. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:85-87 '62.

Diagrams of a unit for semiautomatic dressing of round timber with movable saws. N. I. Lebedev, S. M. Ivanov. Mekh. i avtom. protzv. 17 no. 2:24-28 F '63.

Experimental unit for investigating the performance of the hydraulic drive of trimming machines. G. M. Gerret. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:110-117 '62.

Mechanized removal of logging waste at felling areas. E. M. Zheltov. Mekh. i avtom. protzv. 17 no. 1:28-31 Ja '63.

Over-all mechanization in lumbering. A. G. Zheludkov. Mekh. i avtom. protzv. 17 no. 2:40-45 F '63.

LUMBERING—MANAGEMENT see subdivision under Nizhne-Ilimsk

LUMBERING—SAFETY MEASURES

(see also subdivision under Archangel Province)

Mozhul', V. G., and A. B. Bronina. [Labor protection in lumbering camps and timber rafting]. Okhrana truda na lesozagotovkakh i lesosplave. 3. izd., perer. Moskva, Gosleskhimzdat, 1962. 124 p. (DNAL)

LUMBERING—STUDY AND TEACHING

Production training of students in the lumber industry. V. I. Kupov. Shkola i protzv. 6 no. 8:6-11 Ag '62.

LUMBERING—TABLES AND READY-RECKONERS

[Manual on the calculation of timber and forest production]. Dovidnyk z obliku lisomaterialu i lisovoi produktii. [By] I. P. Dorokhov ta inshi. Kyiv, Derzh. vyd-vo tekhn. lit-ry URSSR, 1961. 587 p.

LUMBERING—TRANSPORTATION

Komarovskaya, A. S. [Characteristics of the operation of narrow-gauge logging railroads with diesel locomotive traction]. Osobennosti ekspluatatsii lesovoznykh uzkokoleinykh zheleznnykh dorog pri teplovoznoi tiage. Moskva, Gosleskhimzdat, 1962. 86 p.

LUMINESCENCE

Chemiluminescence activated by anthracene derivatives. R. F. Vasil'ev, A. A. Vichutinskii, A. S. Cherkasov. Dokl. AN SSSR 149 no. 1:124-127 Mr '63.

Increase in the sensitivity of luminescent reactions for cations with organic reagents induced by the freezing of solutions. E. A. Bozhevol'nov, E. A. Solov'ev. Dokl. AN SSSR 148 no. 2:335-337 Ja '63.

Infrared electroluminescence of cuprous oxide. A. G. Golt'dman, L. V. Toropkova. Dokl. AN SSSR 147 no. 5: 1053-1056 D '62.

LUMINOUS PAINT see Paint, Luminous

LUNGS

Lobular structure of the human lung. I. N. Khorevin. Sbor. nauch. trud. Vin. der. med. inat. 18 no. 2:132-136 '58.

LUNGS—ABNORMALITIES AND DEFORMITIES

Hypoplasia or the absence of a lung and the branches of the pulmonary artery. K. A. Kianderian. Vop. rent. i onk. 6:39-46 '61.

LUNGS—ABSCESS

Case of otogenic sepsis and multiple metastatic pulmonary abscesses in a patient with a skull injury. N. V. Toger, Zhur. uzh. nos. i gorl. bol. 22 no. 4:81-82 JI-Ag '62.

Status of external respiration in patients with inflammatory suppurative diseases of the lungs under the influence of antibiotic aerosol treatment. P. S. Pedyshin. Klin. khir. no. 11:29-31 N '62.

LUNGS—CANCER

Developmental mechanisms of pulmonary cardiac insufficiency in lung cancer. M. A. Sedgarian. Vop. rent. i onk. 6:201-204 '61.

Study of the gaseous composition of the blood in surgical treatment of lung cancer. M. A. Sedgarian. Vop. rent. i onk. 6:240-250 '61.

Surgery for lung cancer [in Georgian with summary in Russian]. D. G. Mamantavtshvili. Trudy Tbil. GIDUV 6:69-73 '62.

LUNGS—DISEASES

Topical diagnosis in different chronic lung diseases. N. G. Kakhidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:359-362 '62.

LUNGS—DUST DISEASES

15th Plenum of the Ukrainian S. S. R. Commission on the Control of Silicosis. V. F. Shipnev. Vrach. delo no. 1: 155-156 Jn '63.

Significance of the liquid retention test in pneumoconiosis. A. I. Levin. Vrach. delo no. 1:138-140 Ja '63.

Symposium on problems of pneumoconiosis. Moscow, 1957. [Clinical aspects of pneumoconiosis]. Trudy Klinika pnevmokoniozov. Moskva, In-4 gilyony trudy i prof-zabolevaniy AMN SSSR, 1960. 181 p. (DNLM)

Working classification of pneumocardial insufficiency in pneumoconiosis. K. G. Abramovich. Vrach. delo no. 1: 123 Ja '63.

LUNGS—INFARCTION

Role of the roentgenological study in the diagnosis of pulmonary infarcts. E. S. Lepskaya. Nauch. trudy Chotv. Mosk. gor. klin. bol. no. 1:365-362 '61.

LUNGS—INNERVATION

Effect of serotonin on cardiac and pulmonary mechanoreceptors [with summary in English]. A. P. Gilev. Vest. AMN SSR 16 no. 1:47-52 '63.

LUNGS—RADIOGRAPHY

Topical diagnosis in different chronic lung diseases. N. G. Kakhidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:359-362 '62.

LUNGS—SURGERY

Changes in the thoracic cavity following a lung resection: a radiographic study [in Georgian with summary in Russian]. O. I. Burdzhanaдзе, R. I. Gabunia. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:159-141 '62.

Concerning pneumonectomy [in Georgian with summary in Russian]. G. R. Khundadze, G. M. Tسانava. Trudy Tbil. GIDUV 6:59-68 '62.

Effect of lung resection on the gaseous composition of the blood [in Georgian with summary in Russian]. O. I. Burdzhanaдзе, L. K. Arshba, G. V. Kakhidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:140-152 '62.

Lung resection in cavernous tuberculosis [in Georgian with summary in Russian]. G. G. Abashidze. Trudy Tbil. GIDUV 6:193-202 '62.

Oxymetric indices in lung resection [in Georgian with summary in Russian]. O. I. Burdzhanaдзе, T. I. Akhmeteli, L. K. Arshba. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:143-147 '62.

LUNGS ~ SURGERY (Continued)

Possible defects in a mechanical suture related to improper use of the UKL apparatus in pneumonectomies and lobectomies. G. S. Zabrada. Klin. khir. no. 11: 74-77 N '62.

Some hemodynamic changes in a lung section: an experimental study [in Georgian with summary in Russian]. O. I. Burdzhadze, G. V. Kakhidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:139-141 '62.

Status of and prospects for the surgical treatment of pulmonary tuberculosis in the Ukrainian S. S. R. G. G. Gorovenko. Klin. khir. no. 11:15-21 N '62.

Study of the gaseous composition of the blood in surgical treatment of lung cancer. M. A. Sedgarian. Vop. rent. i onk. 6:249-259 '61.

Surgery for lung cancer [in Georgian with summary in Russian]. D. G. Mamamtavrisvili. Trudy Tbil. GIDUV 6:69-73 '62.

LUNGS-TUBERCULOSIS

Effectiveness of treatment of pulmonary tuberculosis with chemopreparations in relation to the drug susceptibility or resistance of Mycobacterium tuberculosis [in Georgian with summary in Russian]. L. S. Kartozia. Trudy Tbil. GIDUV 6:283-273 '62.

LUPINE

(see also subdivision under Voronezh Province)

Lupine in the northern areas of the non-Chernozem zone [with summary in English]. T. F. Titov. Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:72-93 '60.

LUPUS ERYTHEMATOSUS

Local treatment of lupus erythematosus with hydrocortisone injections. G. E. Shinskii. Sov. med. 26 no. 12:109-111 D '62.

State of the cardiovascular system in patients with lupus erythematosus [with summary in English]. I. A. Glavinskaya, D. P. Kochetov, E. I. Baru. Sov. med. 26 no. 12:49-55 D '62.

LUTETIUM ISOTOPES

Conversion electrons emitted by Lu¹⁷³, ¹⁷⁴ in the energy range 540-1450 Kev. V. A. Balalaev and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:200-203 F '63.

LUTETIUM ISOTOPES-DECAY

Study of neutron-deficient Lu isotopes using a prism spectrometer equipped with quadrupole lenses. V. V. Tuchkevich, V. A. Romanov, M. G. Totubalina. Izv. AN SSSR. Ser. fiz. 27 no. 2:245-248 F '63.

LUTSEVICH, IVAN DOMINIKOVICH, 1882-1942

Ianka Kupala and folklore. N. L. Orlova. Nar. tvorch. ta etn. 6 no. 3:86-89 J1-S '62.

Our Ianka. O. Mazurkevych. Ukraina no. 13:12 J1 '62.

Pelukh, A. I. [Our Kupala] Nash Kupala. Pod red. M. R. Larchanki. Minsk, Biblioteka gazety "Holas Radzimy," 1962. 67 p.

LUTSKI, VLADIMIR BORISOVICH, 1906-1982

V. B. Lutskii; an obituary. Vop. ist. 38 no. 2:219 F '63.

LUXEMBURG, ROSA, 1870-1918

How Rosa Luxemburg struggled against revisionism; from her unknown letters to J. Tysacka (L. Voghes), 1898-1899 (continuation). Nov. i noveish. ist. no. 6:135-139 '62.

LVOV-BAPTISTS

I like to know your opinion. F. Hryhor'iev. Voiov. ateist 3 no. 2:16-17 F '63.

LVOV-COMMUNITY CENTERS

Our motto: do excellent work. S. Nitchporovich. Klub 11 no. 6:14-15 Je '62.

LVOV-DELIVERY OF GOODS

Promising economic effect. B. Mel'nik. Sov. torg. 35 no. 9:28-31 S '62.

LVOV-MOTION PICTURES, ANTIRELIGIOUS

The "Pioneer Theater" has shown the school children several antireligious films. V. Sufarko. Voiov. ateist 3 no. 2:38 F '63.

LVOV-SHOE INDUSTRY-MANAGEMENT

The trade-union organization of a firm. A. Sokolova. Sov. profsoiuzy 19 no. 5:10-11 Mr '63.

LVOV-THEATER

Serving the people. Borys Romanyts'kyl. Mystetstvo 9 no. 6:29-32 N-D '62.

LVOV-TRADE UNIONS

The trade-union organization of a firm. A. Sokolova. Sov. profsoiuzy 19 no. 5:10-11 Mr '63.

LVOV PROVINCE

Our council is an efficient organizer of atheistic propaganda. P. Panchenko. Voiov. ateist 3 no. 2:30-34 F '63.

LVOV PROVINCE-AMATEUR ART ACTIVITIES

New development in directing amateur art activities. V. Omel'chenko. Agitator no. 5:41-42 Mr '63.

LVOV PROVINCE-MANUFACTURES-FINANCE

Who is responsible for this? P. Prokofiev. Fin. SSSR 37 no. 2:66-67 F '63.

LVOV PROVINCE-RETAIL TRADE-ACCOUNTING

"How to read a balance sheet of a commercial enterprise" by P. T. Evseev. Reviewed by A. Kocherga, S. Turbovskii. Sov. torg. 35 no. 9:55-56 S '62.

LVOV PROVINCE-SHIPMENT OF GOODS

Who is responsible for this? P. Prokofiev. Fin. SSSR 37 no. 2:66-67 F '63.

LVOV REGION-INDUSTRIES

On the path of progress. Sov. Soiuzy no. 9:24-27 '62.

LVOV UNIVERSITY

L'vov. Universytet. Naukova biblioteka. [Publications of the professors, instructors and other academic personnel of Lvov University in 1944-1950; bibliography] Drukovanii pratsi profesoriv, vykladachiv i spivrobitynykiv L'vivs'koho universytetu za 1944-1950 roky; bibliografichnyi pokazchych. [L'viv] 1962. 766 p.

LVOV-VOLYN' BASIN-MINE GASES-MEASUREMENT

Use of stationary automatic methane gauges in mines of the L'vov-Volyn' Basin. E. N. Lazarenko, V. I. Mel'kestev, I. P. Ignatenko. Ugoi'. prom. no. 6:70-74 N-D '62.

LVOV-VOLYN' BASIN-MINING MACHINERY

Using the ShBM-2m cutter-loader in rapid development mining. L. F. Zorin, G. V. Kuz'kin. Shkhit. stroi. 7 no. 1:20-22 Ja '63.

LYMPHADENOMA see Hodgkin's disease

LYMPHATICS

Functional anatomy of the lymphatic vessels of the normal and pathological liver [with summary in English]. A. A. Sushko. Vrach. delo no. 11:84-91 N '62.

Kraev, A. V., and L. E. Ettingen. [Lymphatic system of the human urogenital organs] Lymphaticheskna sistema mocheopolovnykh organov cheloveka. Stalinabad, 1961. 119 p. (Dushanbe, Gosudarstvennyi meditsinskiy institut. Trudy, vol. 46) (DNLM)

LYMPHATICS-TUBERCULOSIS

Diagnostic importance of the pulsation of the abdominal aorta in tuberculous mesoadenitis. G. N. Ter-Oganessian. Vop. rent. i onk. 6:333-337 '61.

LYMPHATICS-TUMORS

Clinical and punctal diagnosis of the tumoral processes of lymph nodes. M. X. Airapetian. Vop. rent. i onk. 6:279-288 '61.

LYMPHOCYTES

Research data on lymphocytic choriomeningitis in Tomsk Province [with summary in English]. M. K. Tiushniakova, M. S. Zagomova. Trudy TomNIIVS 11:25-32 '60.

LYMPHOID TISSUE

Plasmacytic hyperplasia in lymphoid organs in rheumatic fever [with summary in English]. A. S. Kaplanskiy. Vop. revm. 2 no. 3:8-11 J1-S '62.

LYOPHILIZATION

Dehydrating effect of a hypertonic urea solution [with summary in English]. E. I. Zlotnik, I. Z. Stolkarts, F. I. Svito. Vrach. delo no. 11:77-81 N '62.

Resistance of tissue cultures of the measles virus to storage under refrigeration and to lyophilic drying. L. M. Boichuk, E. S. Shikina. Trudy Len. inst. epid. i mikrobiol. 19:48-53 '59.

LYPYNS' KYI, VIACHESLAV, 1882-1931

Hryshko, Vasyi'. [Viacheslav Lypyns'kyl and his works] Viacheslav Lypyns'kyl i toho tvorchist'. New York, Bulava, 1961. 85 p. (InU)

LYSENKO, MYKOLA VITALIOVYCH, 1842-1912

Folk songs were the source of M. V. Lysenko's music. T. P. Bulat. Nar. tvorch. ta etn. 6 no. 3:64-75 J1-S '62.

LYUBASHEVKA DISTRICT-COMMUNIST PARTY OF THE SOVIET UNION-PARTY WORK

Bovneha, M. S. [School for propagandists] Shkola agitatoriv. [Odesa] Odes'ke knyzhkovye vyd-vo, 1959. 16 p. (Biblioteka agitatora)

LYUBERTSY-AGRICULTURAL MACHINERY INDUSTRY-TECHNOLOGICAL INNOVATIONS

Lyubertsy is the place of the machine's origin. G. Pavlov. Sov. profsoiuzy 19 no. 5:16-17 Mr '63.

LYUBERTSY DISTRICT-VETERINARY MEDICINE

Dispensary treatment as the most important factor in raising healthy livestock. S. S. Kotov, V. V. Poltakin. Veterinarlia 38 no. 10:36-37 O '61.

MACARONI

Measures for controlling the formation of scrap waste in the manufacture of tubular macaroni products. A. A. Bystrov. Khleb. i kond. prom. 7 no. 1:37-38 Ja '63.

MACHINE ACCOUNTING

Accounting has been mechanized. M. Dashevskii. Fin. SSSR 37 no. 2:62-63 F '63.

Accounting organization with the use of accounting machines. O. Zamashkina and others. Den. i kred. 21 no. 2:66-70 F '63.

MACHINE ACCOUNTING-BIBLIOGRAPHY see Bibliography-Machine accounting

MACHINE MOLDING (FOUNDING)

Compacting large molds by pressing. B. I. Fedanina, T. I. Akhtyrskaya, V. D. Pepenko. Lit. proizv. no. 7: 15-16 J1 '62.

Volpanskiy, L. M. [Machine molding] Mashinnaya formovka. Izd. 3. Moskva, Mashgiz, 1962. 70 p. (Nauchno-populnarnaya biblioteka rabochego-kollezhschika, no. 7)

MACHINE MOLDING (FOUNDING)-COSTS

Economic grounds for selecting a type of molding machine. E. V. Fil'. Lit. proizv. no. 7:12-14 J1 '62.

MACHINE-SHOP PRACTICE

Fedorov, B. F. [Increasing labor productivity in machinery assembly shops] Povyshenie proizvoditel'nosti truda na shorke mashin. Izd. 2. Moskva, Mashgiz, 1962. 57 p. (Biblioteka stesarna-shorshchika, no. 1)

Maklenko, N. I. [Bench work] Stesarnoe delo, 2., perer. i dop. izd. Moskva, Profizhizdat, 1962. 381 p. "Manual for machine-shop foremen" by M. P. Moiseev and others. Reviewed by P. N. Rekudanov. Mashinostroitel' no. 1:46-47 Ja '63.

Sergeev, M. A. [Mechanization and automation of fitting and assembling operations] Mekhanizatsiya i avtomatizatsiya stesarno-shorochnykh rabot. [Leningrad] Lenizdat, 1962. 331 p.

Technological processes in the manufacture of conveying machinery. Mashinostroenie no. 6:112 N-D '62. Your helpers. O. Laine. V mire knig 2 no. 10:14 O '62.

MACHINE-SHOP PRACTICE-EQUIPMENT AND SUPPLIES

Mechanization of bench work. Okhr. truda i sots. st-akh. 6 no. 2:36-38 F '63.

MACHINE-TOOL INDUSTRY

(see also subdivision under Gorkiy) Toward new achievements in the fifth year of the seven-year plan. Stan. i instr. 34 no. 1:1-2 Ja '63.

MACHINE-TOOL INDUSTRY-MANAGEMENT see subdivision under Moscow

MACHINE TOOLS

Arrangement of machine-tool units. A. I. Dashchenko. Bui. tekhn. -ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:87-92 '63.

Automatic machine for the finishing and hard-facing of shaft-type parts. G. M. Azarevich, G. Sh. Berahtin. Bui. tekhn. -ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:44-46 '63.

Dashchenko, A. I. [Power heads for small semi-automatic machine-tool units] Silovye golovki malyykh agregatnykh poluavtomatov. Moskva, Filial Vses. in-lu nauchn. i tekhn. informatsii, 1958. 75 p. (Peredovoi nauchno-tekhicheskiy i proizvodstvennyi opyt. Tema 10. No. M-58-59/11)

Efficient methods for the adjustment of machine tools. V. I. Ishutkin. Mashinostroitel' no. 1:42-43 Ja '63.

Machine-press for manufacturing cement-band insulating sleeves. G. S. Ivanov. Transp. stroi. 12 no. 6:53 S '62.

Measurement of dynamic loads in machine-tool drives. V. M. Pestunov. Mashinostroenie no. 6:19-21 N-D '62.

New foreign machine tools. E. I. Tsyplakov, I. P. Denchik. Mashinostroenie no. 6:113-117 N-D '62.

New machine tools. Stan. i instr. 34 no. 1:44-45 Ja '63.

Optimum arrangement of automatic production lines. L. I. Volchkevich. Izv. vys. ucheb. zav.; mashinost. no. 9:32-39 '62.

MACHINE TOOLS-ATTACHMENTS

(see also subdivision under Kharkov)

Automatic swivelling loader for machine tools. Mashinostroitel' no. 1:37 Ja '63.

MACHINE TOOLS-BIBLIOGRAPHY see Bibliography-Machine tools

MACHINE TOOLS-DESIGN AND CONSTRUCTION

New mechanisms used in the manufacture of machine tools. Sh. Men'kherst. Stan. i instr. 34 no. 1:33-34 Ja '63.

Technical specifications mirror the machine tool. L. S. Filippov. Mashinostroitel' no. 1:41 Ja '63.

MACHINE TOOLS-MAINTENANCE AND REPAIR

Mosin, V. V. [Fast and reliable repairing] Remontirovaniye bistro i nadezhno. [Leningrad] Lenizdat, 1962. 75 p. (Peredovoi opyt - vsem)

Strengthening machine-tool beds and reconditioning worn-out parts with T15K6 hard alloy. A. I. Noskov. Mashinostroitel' no. 1:16-17 Ja '63.

MACHINE TOOLS—NUMERICAL CONTROL

Characteristics of drive mechanisms in machine tools with numerical program control. V. S. Starodubov. *Izv. vys. ucheb. zav. : mashinostr.* no. 9:116-120 '62.

MACHINE TRANSLATING

"Essays on and in machine translation" [in English] by the Cambridge Language Research Unit. Reviewed by A. K. Zholkovskii. *Mash. perev. i prikl. ling.* no. 5:81-89 '61.

Experiment on multilingual translation of names of numerals using the "Ural" machine. G. S. Tseitlin. *Mash. perev. i prikl. ling.* no. 5:22-28 '61.

Machine breakdown of the Georgian phrase. G. B. Chikoldze. *Mash. perev. i prikl. ling.* no. 5:56-65 '61.

On a machine language for geometry and translation algorithms from Russian into this language (to be continued). A. V. Kuznetsov, E. V. Paducheva, N. M. Ermolaeva. *Mash. perev. i prikl. ling.* no. 5:3-21 '61.

On formalization of context. G. V. Kolchanskii. *Mash. perev. i prikl. ling.* no. 5:45-50 '61.

Structure of the algorithm of grammatical analysis (on machine translation from Russian). T. M. Nikolaeva. *Mash. perev. i prikl. ling.* no. 5:27-44 '61.

Word order in an independent synthesis of the Russian sentence. V. K. Voinov, I. S. Kravchuk, I. A. B. Krupatkin. *Mash. perev. i prikl. ling.* no. 5:66-72 '61.

MACHINERY

New machinery and skill. B. Bachaldin. *V mire knig* 2 no. 10:15-16 O '62.

MACHINERY—ABSTRACTS

[Materials for machinery manufacture and the design of machine parts] Ref. zhur. : *Mashinostr. i konstr. i rasch. det. mash.* nos. 1-3 Ja-Mr '63.
[Technology of machinery manufacture] Ref. zhur. : *Tekhn. mashinostr.* nos. 1-3 Ja-Mr '63.

MACHINERY—DESIGN AND CONSTRUCTION

Bilik, Sh. M. [Macroscopic geometry of machine parts] *Makrogeometriya detalei mashin.* Moskva, Mashgiz, 1962. 274 p.

Increasing the durability and reducing the weight of parts using high-grade materials in the manufacture of machinery. D. N. Reshetov. *Vest. mashinostr.* 43 no. 1:38-42 Ja '63.

Kon'kov, A. S., ed. [Economy of metals in the machinery industry] *Ekonomiya metallov v mashinostroenii.* [By] M. F. Balzhi i dr. Moskva, Mashgiz, 1962. 236 p.

Required, achieved and effective durability of machinery. V. I. Kazartsev. *Vest. mashinostr.* 43 no. 1:10-15 Ja '63.

Two forces. L. Lifshits. *Ogonak* 40 no. 5:4-5 D '62.

MACHINERY—DRAWING

[Drawings in the manufacture of machinery] *Chertezhi v mashinostroenii.* Izd. ofitsial'noe. Moskva, Standartglz, 1962. 143 p. (SSSR. Gosudarstvennye standarty)

Plenezhik, A. M. [Assembly drawings in the manufacture of machinery] *Sbornik chertezhi v mashinostroenii.* Izd. 2. Moskva, Mashgiz, 1962. 80 p. (Biblioteka reshenia-sbornichika, no. 2)

MACHINERY—EXHIBITIONS see subdivision under Moscow

MACHINERY—FOUNDATIONS

Determining the depth at which to fix anchor bolts. I. A. Kononov. [Trudy] NIi osn. no. 5:68-74 '62.

Laying foundations for technical equipment. E. Bogushevich. *Stroitel'* 8 no. 2:18-24 F '62.

MACHINERY—INDUSTRIAL CAPACITY

Reliability and durability of machinery as economic factors. S. M. Iampolskii. *Vest. mashinostr.* 43 no. 1:79-82 Ja '63.

MACHINERY—LABOR PRODUCTIVITY

Starting efficiency of machines and its determination. M. P. Bondar'. *Mashinostroenie* no. 6:93-95 N-D '62.

MACHINERY—MAINTENANCE AND REPAIR

Economic limit of expenditures for the capital repair of fixed assets. A. Buzan'. *Vest. stat.* no. 2:14-24 '63.

Establishment of time norms for the personnel of repair shops. G. Kovalenko. *Sots. trud* 7 no. 6:76-81 Je '62.

Kolesnichenko, V. V., and P. V. Erofeev. [Laboratory and practical work on the fundamentals of repairing and the study of materials] *Laboratorno-prakticheskoe zaniatia po osnovam materialovedeniia i remontnogo dela.* Pod red. I. S. Levitskogo. Moskva, Proftekhizdat, 1962. 168 p.

Prolonging service life of parts in using epoxy adhesives in repairing. G. D. Pekelis, B. T. Gel'berg. *Vest. mashinostr.* 43 no. 1:77-79 Ja '63.

MACHINERY—STANDARDS

Gedyk, P. K., and A. P. Blinovskikh. [Standardization and simplification in the machinery industry] *Normalizatsiia i unifikatsiia v mashinostroenii.* Izd. 2., ispr. 1 dop. Moskva, Mashgiz, 1962. 255 p.

MACHINERY—WELDING

Adjustment of a system for electric build-up welding of machinery. L. A. Gol'dring. *Prom. energ.* 18 no. 2: 20-21 F '63.

Analysis of basic technical and economic indices for the making of welding structures in heavy machinery building. A. D. Gilevich, K. I. Kogan. *Avtom. svar.* 16 no. 1:68-74 Ja '63.

MACHINERY, AUTOMATIC

Automatic line for manufacturing rollers for bushed roller chains. B. P. Boris, V. M. Strulev. *Mekh. i avtom. protzv.* 17 no. 2:4-6 F '63.

An automatic machine does the casting. M. Miasnikov. *Mest. prom. i khud. promys.* 3 no. 1:23 Ja '63.

Automatic section of a line for machining piston pins. S. P. Vasil'ev. *Blul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* no. 2:34-35 '63.

Automatic store. N. N. Goncharov, K. V. Sovetov. *Mekh. i avtom. protzv.* 17 no. 1:21-25 Ja '63.

Experience in operating the automatic "STC-40" machine for the manufacture of SKK bottle caps. N. I. Vainshenker, G. A. Berzhadskii. *Kons. i ov. prom.* 18 no. 2:21-25 F '63.

Economic efficiency of production lines in dyeing and finishing shops of the silk industry. I. V. Gankin. *Blul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* no. 2:61-63 '63.

Investigating the reliability of the design of cam mechanisms for automatic machine tools. P. M. Chernianskii. *Izv. vys. ucheb. zav. : mashinostr.* no. 9:131-139 '62.

Koshkin, L. N., and I. N. Berozhnoi. [Whirling motion creates machines] *Vikhr' rozhdaet mashiny.* [Moskva] Molodai gvardiia, 1962. 78 p.

IL120 automatic line. D. P. Kol'chinskii. *Blul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform.* no. 2:35-37 '63.

The steepness of the rising. E. Tret'iakov. *Mest. prom. i khud. promys.* 3 no. 1:2-4 Ja '63.

Vil'davskii, I. M. [Design and operation of production lines for lot production of machinery and instruments] *Proektirovaniie i ekspluatatsiia potochnykh lini v serii-nom proizvodstve mashin i priborov.* Moskva, Mashgiz, 1962. 219 p.

MACHINERY, AUTOMATIC—DESIGN AND CONSTRUCTION

Orlikov, M. L. [Designing mechanisms for automatic machine tools] *Proektirovaniie mekhanizmov stankov-avtomatov.* Moskva, Mashgiz, 1962. 247 p.

MACHINERY, AUTOMATIC—TESTING

Automatic investigation of the precision of technological processes on automatic lines. L. K. Sizenov. *Mekh. i avtom. protzv.* 17 no. 1:10-13 Ja '63.

MACHINERY, KINEMATICS OF

Kinematic characteristics of three-dimensional mechanisms. I. U. I. Barmin. *Trudy MFT* no. 150:122-135 '62.
Moscow. Vsesoyuznyi nauchnyi mashinostroitel'nyi institut. Kafedra "Metalloobrabotnyye stanki i instrumenty." [Metal-cutting machines; kinematic adjustment of metal-cutting machines] *Metalloobrabotnyye stanki i kinematicheskaya nastroyka metalloobrabotnykh stankov.* Pod red. A. G. Nalchana. Moskva, Mashgiz, 1962. 179 p.

MACHINERY, KINEMATICS OF—PROBLEMS, EXERCISES, ETC.

Use of kinematic diagrams. V. I. Kachnev. *Shkola i protzv.* 7 no. 1:41-44 Ja '63.

MACHINERY IN INDUSTRY

Concerning the degree of mechanization. A. G. Emin. *Tekst. prom.* 23 no. 1:32-34 Ja '63.

Determining the extent of mechanization and automation. D. A. Shvartsmann. *Tekst. prom.* 23 no. 1:20-32 Ja '63.

Labor productivity and new equipment in weaving. N. A. Korovin. *Tekst. prom.* 23 no. 1:22-25 Ja '63.

MACHINERY INDUSTRY

(see also subdivision under Armenia; Chobokeary; Donetsk Province; Europe, Eastern; Europe, Western; Karaganda; Kazakhstan; Kharkov; Vitebsk; White Russia)

Basic problems of the automatic control of linear values in connection with further development of the machinery industry in the Soviet Union. L. N. Vorontsov. *Izv. vys. ucheb. zav. : mashinostr.* no. 9:54-59 '62.

Classification of the participants in a production process. V. Polianakii. *Sots. trud* 8 no. 2:57-60 F '63.

In the State Committee on Automation and Machinery Manufacture of the Council of Ministers of the U. S. S. R. *Mekh. i avtom. protzv.* 17 no. 1:58 Ja '63.

Let us provide our light industry with modern machinery. V. Zubchaninov, I. U. Kurenkov. *Kommunist* 39 no. 5: 40-47 Mr '63.

Mutsenok, K. I. A., and I. M. Tarnopolskii. [Reducing the weight of machinery and saving metals in the machinery industry] *Puti snizheniia vesa mashin i ekonomii metallov v mashinostroenii.* Riga, Izd-vo Akad. nauk Latvskoi SSR, 1960. 111 p.

Organization of enterprises specialized in the manufacture of specific parts. G. M. Sverbilov, S. F. Pokropivnyi. *Mashinostroenie* no. 6:98-100 N-D '62.

[Saving of materials and new materials used in the machinery industry] *Ekonomiya materialov i novye materialy, primenyaemye v mashinostroenii.* Moskva, Filial Vses. in-ta nauch. i tekhn. informatsii, 1957. 22 p. {Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 18. No. M-57-124/4}

Technical development and problems of increasing the reliability and durability of machinery. A. N. Dem'ianovich. *Vest. mashinostr.* 43 no. 1:3-6 Ja '63.

Technical machine-service centers abroad. B. Tuckov, A. Zdanovich. *Vnesh. torg.* 43 no. 2:32-33 '63.

MACHINERY INDUSTRY—ABSTRACTS

[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur. : *Vop. tekhn. prog. i org. protzv. v mashinostr.* nos. 1-3 Ja-Mr '63.

MACHINERY INDUSTRY—AUDITING AND INSPECTION see subdivision under Alma-Ata Province

MACHINERY INDUSTRY—CONGRESSES

The All-Union Scientific and Technical Conference on Improving the Organization of Auxiliary Work in Machinery Manufacturing. B. Mil'ner, V. Polianakii. *Sots. trud* 7 no. 12:135-138 D '62.

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Novosibirsk Province

MACHINERY INDUSTRY—HANDBOOKS, MANUALS, ETC.

Ivashchenko, A. P. [Handbook for foremen in the machinery industry] *Spravochnik mastersa-mashinostroitelia.* Izd. 4. Kiev, Gostekhtizdat USSR, 1962. 467 p.

MACHINERY INDUSTRY—HYGIENIC ASPECTS see subdivision under Chebarkul

MACHINERY INDUSTRY—JOB DESCRIPTIONS

Influence of automation on changes in occupational requirements of the machinery industry. V. Gorodetskii. *Prof. -tekh. obr.* 19 no. 12:15-19 D '62.

MACHINERY INDUSTRY—LABOR PRODUCTIVITY

(see also subdivision under Kramatorsk; Voronezh)

Efficient utilization of working time is the most important factor in increasing labor productivity. V. Gorodetskii. *Sots. trud* 8 no. 1:62-65 Ja '63.

Indicators of labor productivity in the machinery industry. B. Bukhtanovich. *Sots. trud* 7 no. 6:33-43 Je '62.

Methodology for analyzing labor productivity under the conditions of enterprise production cooperation. E. Vorob'ev. *Vest. stat.* no. 2:31-36 '63.

MACHINERY INDUSTRY—MANAGEMENT

(see also subdivision under Sverdlovsk)

Effective form of economic control. A. Chernov. *Vop. ekon.* no. 1:145-149 Ja '63.

Solving several problems of intraplan planning. E. Bykov, I. U. Gavrilova. *Vop. ekon.* no. 1:84-93 Ja '63.

MACHINERY INDUSTRY—PRODUCTION STANDARDS

(see also subdivision under Donetsk Province; Karaganda; Moscow; Omsk; North; Ural Mountain region)

[Handbook for the establishment of norms in the machinery industry in four volumes] *Spravochnik normirovaniia mashinostroitel'v 4 tomakh.* Moskva, Mashgiz, Vol. 4. Vol'skii, V. S., ed. [Engineering norms in auxiliary shops] *Tekhnicheskoe normirovaniie vo vspomogatel'nykh tekhkakh.* 1962. 478 p.

Increase the role of public participation in improving the establishment of technical standards. N. Bredikhin. *Sots. trud* 8 no. 2:68-72 F '63.

Production organization and establishing technical standards. S. Frolov, V. Kostin, N. Varvarin. *Sots. trud* 8 no. 1:89-91 Ja '63.

Zakharov, N. N. [Problems in the establishment of technical labor norms for the machinery industry] *Zadachnik po tekhnicheskomu normirovaniu truda v mashinostroenii; metodicheskie razrabotki i resheniia zadach.* Moskva, Mashgiz, 1962. 398 p.

MACHINERY INDUSTRY—QUALITY CONTROL

Improve the organization of technical inspection. A. N. Dem'ianovich. *Mashinostroitel'* no. 1:5-6 Ja '63.

MACHINERY INDUSTRY—SAFETY MEASURES

Struggle for industrial hygiene and economic efficiency. A. Vlasov, L. Podatnova. *Okhr. truda i sots. struk. i* no. 2:6-7 F '63.

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Alma-Ata; Kherson Province; Leningrad; Lithuania)

Mechanization and automation of forging and founding operations. *Inform. blul. VDNKH* no. 2:7-9 F '62.

Special exhibitions and reviews. *Inform. blul. VDNKH* no. 2:16-18 F '62.

Third Plenum of the Scientific and Technical Society of the Machinery Industry. *Mashinostroitel'* no. 1:3-4 Ja '63.

- MACHINERY INDUSTRY WORKERS** see subdivision under Ryazan; Sverdlovsk
- MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING**
(see also subdivision under Kolpino)
Societies "For the Mastering of Technical Knowledge" (ZOT) from 1933-1935 S. V. Kinitskaya. Trudy MGAI 16:65-81 '61.
- MACROCOSM AND MICROCOSM** see Microcosm and macrocosm
- MACROGLOBULINS**
Paraproteinemias combined with macroglobulinemia [with summary in English]. D. B. Zil'berman. Vrach, delo no. 1:47-52 Ja '63.
- MACROMOLECULAR COMPOUNDS**
Ferromagnetism of organic structures. L. A. Bitumenfel'd. Dokl. AN SSSR 148 no. 2:361-364 Ja '63.
Mechanochemical transformations in macromolecules at 80°K. P. I. Butagin. Dokl. AN SSSR 148 no. 1: 129-131 Ja '63.
Processes and interaction products of macromolecular compounds with inorganic salts. Part 2: Formation of complexes of poly (α -methyl)acrolein with uranyl nitrate. I. V. Andreeva, P. F. Andreev, E. M. Rogozina. Radiokhimiya 5 no. 1:103-108 '63.
Stereoregular polymers. B. A. Krentsel'. Khim. prom. no. 12:884-870 D '62.
- MACROMOLECULAR COMPOUNDS—CONGRESSES**
Sessions of the directors of research laboratories of institutions of higher learning. L. Vol'f. Khim. volok. no. 1:80 '63.
- MADAGASCAR** see Malagasy Republic
- MADASON, DOL'EN, 1911-**
Ethnographer, folklorist, and poet. I. E. Tugotov. Etn. sbor. no. 2:159-162 '61.
- MAGADAN—ELECTIONS**
On the boundary of the Soviet land. I. Sokolenko. Agitator no. 4:2 F '63.
- MAGADAN PROVINCE—APARTMENT HOUSES**
Housing construction in Magadan Province. S. Igishev. Zhil. stroi. no. 1:17-19 '63.
- MAGADAN PROVINCE—EFFICIENCY, INDUSTRIAL**
Propaganda must reach every man. P. Afanas'ev. Polit. samozh. 6 no. 10:91-97 O '62.
- MAGADAN PROVINCE—PRECAST CONCRETE CONSTRUCTION**
Housing construction in Magadan Province. S. Igishev. Zhil. stroi. no. 1:17-19 '63.
- MAGNESIUM**
Angular distribution of deuterons inelastically scattered on Mg^{24} nuclei with excitation of the 4⁺-level (4.12 Mev.) [with summary in English]. T. I. Kopaleishvili, I. G. Batishvili. Trudy Inst. fiz. AN Gruz. SSR 8:197-202 '62.
- MAGNESIUM—FOUNDING**
Soluble glass core mixtures for the casting of magnesium alloys. T. A. Vukhereva, I. A. Izvekov. Lit. proizv. no. 7:9 JI '62.
- MAGNESIUM-CADMIUM ALLOYS**
Study of the kinetics of ordering and some mechanical properties of the $MgCd$ alloy [with summary in English]. M. B. Makogon, L. P. Kitaeva. Ukr. fiz. zhur. 8 no. 2: 233-238 F '63.
- MAGNESIUM-CADMIUM ALLOYS—TESTING**
Correlation between composition and hardness at various temperatures in the system magnesium - cadmium. V. P. Shishokin, L. N. Bazilevskii. Fiz. met. i metalloved. 15 no. 1:76-81 Ja '63.
- MAGNESIUM COMPOUNDS**
Crystalline structures of compounds rich in magnesium in the systems Er - Mg, Dy - Mg, and Y - Mg [with summary in English]. P. I. Kryp'yakovich, V. I. Ievdokymenko. Dop. AN URSS no. 12:1610-1612 '62.
On the new mineral - magnocolumbite. V. V. Matias and others. Dokl. AN SSSR 148 no. 2:420-423 Ja '63.
- MAGNESIUM-NEODYMIUM-MANGANESE ALLOYS**
Study of the Mg-Nd-Mn alloys in the region adjoining the magnesium angle of the system. M. E. Drita, Z. A. Sviderskaya, L. L. Rokhlin. Zhur. neorg. khim. 7 no. 12:2771-2777 D '62.
- MAGNET WINDING** see Electromagnets
- MAGNETIC AMPLIFIERS**
Dynamic magnetic polarity reversal curves of self-saturating magnetic amplifier cores [with summary in English]. L. A. Tenenbaum. Avtom. i telem. 24 no. 2: 248-254 F '63.
Photorelay with magnetic amplifier. I. I. Alt'erman, O. N. Mel'nikov. Mekh. i avtom. proizv. 17 no. 1:44-45 Ja '63.
Use of the theory of networks with variable parameters in designing magnetic modulators with doubled frequency output. L. A. Sinitskii. Avtom. kont. i izm. tekhn. no. 6:39-43 '62.
- MAGNETIC ANOMALIES**
Some values of the depth of bedding of disturbing bodies. V. N. Strakhov. Izv. AN SSSR, Ser. geofiz. no. 1:90-109 Ja '63.
- MAGNETIC FIELDS**
Acceleration of charged particles by periodically varying magnetic fields. V. A. Anukhinov, V. M. Kojman, L. N. Sysoeva. Zhur. tekhn. fiz. 33 no. 1:19-27 Ja '63.
Diffusion of charged plasma particles in a high magnetic field affecting collisions between particles. V. E. Golant. Zhur. tekhn. fiz. 33 no. 1:3-18 Ja '63.
Editor's mail. M. I. Bludov, V. Z. Kresin. Fiz. v shkole 22 no. 6:85-87 N-D '62.
Errors of a method for determining the gradients of a geomagnetic field using difference of intensities. R. E. Martynuk-Lototskii. Avtom. kont. i izm. tekhn. no. 6: 16-21 '62.
Hall-type e, m, f, transducers and their uses for studying magnetic fields in electrical machines and apparatus. K. K. Namitkov, V. G. Breznitskii, L. P. Kharchenko. Energ. i elektrotekh. prom. no. 4:28-32 O-D '62.
Interaction between an electron beam and a plasma in a magnetic field. Part 1: "Longitudinal" oscillations. E. A. Pashitskii. Zhur. tekhn. fiz. 33 no. 1:51-57 Ja '63.
Interaction between an electron beam and a plasma in a magnetic field. Part 2: "Transverse" oscillations. E. A. Pashitskii. Zhur. tekhn. fiz. 33 no. 1:58-64 Ja '63.
Interaction between pulsed heavy-current beams and a plasma in a magnetic field. A. K. Berezin and others. Atom. energ. 14 no. 3:249-256 Mr '63.
On the existence of magnetic surfaces. G. V. Skorniakov. Zhur. tekhn. fiz. 32 no. 12:1494-1495 D '62.
Overhauser effect in a low magnetic field [with summary in English]. L. L. Bulashvili, G. R. Khutsishvili. Trudy Inst. fiz. AN Gruz. SSR 8:203-207 '62.
Possibility for using a toroidal sectorial magnetic field in gamma-spectroscopy. E. A. Arutunian, I. U. V. Khol'nov, G. E. Shekulin. Izv. AN SSSR, Ser. fiz. 27 no. 2:177-181 F '63.
Possible use of a helium condensation pump in pumping out magnetic traps. E. S. Dorovik, F. I. Busol, V. A. Kovalevskii. Zhur. tekhn. fiz. 33 no. 1:100-104 Ja '63.
Problem of the motion of a relativistic electron in a magnetic field moving with a phase velocity greater than the velocity of light. I. U. P. Rybakov. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2: 3-10 Mr-Apr '62.
Problems of specification and standardization of magnetic characteristics in alternating magnetic fields. I. M. Rozhanovskii. Zav. lab. 29 no. 3:305-309 '63.
Propagation of elastic surface waves in a half-space in a magnetic field. N. I. Dolbin. PMTF no. 1:84-87 Ja-F '63.
Resonance phenomena in forced oscillations of a layer of incompressible conducting liquid in a transverse magnetic field. I. B. Chokmarev. Zhur. tekhn. fiz. 32 no. 12:1477-1479 D '62.
Stability of a cylindrical plasma stream in a magnetic field. L. S. Solov'ev. Dokl. AN SSSR 147 no. 5:1071-1074 D '62.
Steady states of a high-temperature plasma. A plasma column in a longitudinal magnetic field. E. F. Tkalech, V. S. Tkalech. Zhur. tekhn. fiz. 32 no. 12:1418-1427 D '62.
Superconducting ellipsoid in a magnetic field. G. F. Zharkov, Sui Lun-dao [Hsi Lung-tao]. Fiz. met. i metalloved. 15:12-17 Ja '63.
- MAGNETIC MATERIALS**
Method of fixing magnetic power on the surface of a part. S. I. Kalashnikov, A. F. Kamchenko. Zav. lab. 29 no. 3: 314 '63.
- MAGNETIC MATERIALS—TESTING**
Analysis of losses and permeability of soft magnetic materials as dependent on induction and frequency. I. A. Kamenomostskii. Zav. lab. 29 no. 3:298-302 '63.
- MAGNETIC MEASUREMENTS**
Errors of a method for determining the gradients of a geomagnetic field using difference of intensities. R. E. Martynuk-Lototskii. Avtom. kont. i izm. tekhn. no. 6: 16-21 '62.
- MAGNETIC PROSPECTING**
Estimation of the reserves of iron-ore deposits from magnetic survey data. A. M. Polonskii. Izv. AN SSSR, Ser. geofiz. no. 1:141-146 Ja '63.
- MAGNETIC RECORDERS AND RECORDING**
The "Iauza-10" stereophonic magnetic tape recorder. M. Ganzburg, D. Kantor, A. Kotelnikov. Radio no. 2: 41-45 F '63.
A reference sheet. Radio no. 2:55-59 F '63.
- MAGNETIC RECORDERS AND RECORDING—MAINTENANCE AND REPAIR**
Adjustment of the friction clutch system of the "E11a-10" magnetic tape recorder. V. Zaslav'ko. Radio no. 3:53 Mr '63.
Elimination of faults in the "Gintaras" magnetic tape recorder. V. Bogin. Radio no. 3:53 Mr '63.
- Elimination of sound "floating" in the "Astra-2" magnetic tape recorder. I. Salenko. Radio no. 3:53 '63.
- MAGNETIC TESTING**
Controlling the quality of welding joints by using a magnetic flaw detector. P. T. Solon'ko. Mekh. sil', hosp. 13 no. 12:9 D '62.
Magnetographic method of weld joint quality control. A. S. Fal'kevich. Avtom. svar. 15 no. 12:77-84 D '62.
- MAGNETIC VARIOMETER**
Quartz geomagnetic apparatus. V. N. Bohrov. Vest. AN SSSR 33 no. 2:82-84 F '63.
- MAGNETISM**
Magnetic wings. M. Konstantinovskii. Znan.-sila 37 no. 12:22-25 D '62.
Magnetism; modern concepts. S. V. Vonskovskii. Priroda 52 no. 2:33-47 '63.
- MAGNETISM, TERRESTRIAL**
(see also subdivision under Arctic regions)
Structure of the earth's natural electromagnetic field in the frequency range of 0.5-100 c.p.s. N. P. Vladimirov, N. G. Kleimenova. Izv. AN SSSR, Ser. geofiz. no. 10: 1368-1374 O '62.
- MAGNETISM, TERRESTRIAL—DIURNAL VARIATION**
see subdivision under Arctic regions
- MAGNETISM, TERRESTRIAL—MEASUREMENT**
Instrument errors of a vertical magnetic gradiometer. R. E. Martynuk-Lototskii. Avtom. kont. i izm. tekhn. no. 6:22-28 '62.
- MAGNETISM, TERRESTRIAL—OBSERVATIONS**
Československá akademie věd. Geofyzikální ústav. [Results of geomagnetic, telluric, and ionospheric measurements made at the observatories of Prahonice, Podakov, and Panská vés during 1957] Rezultáty geomagnetických, tellurických a ionosférických měření provedených v observatorijních Práhonice, Podakov 1 Panská vés v 1957 roku. [1. vyd.] Prague, Izd-vo Československé akademie věd, 1959. 306 p. (NN)
- MAGNETITE**
Formation of pisolitic magnetite and pisolitic tuffite. E. I. Kutayev. Izv. AN Arm. SSR, Ser. Geol. i geog. nauki 15 no. 6:25-34 '62.
- MAGNETOHYDRODYNAMICS**
Contribution to the theory of fluctuations in magnetohydrodynamics [with summary in English]. I. U. A. Kirochkin. Izv. vys. ucheb. zav. i radiofiz. 5 no. 6:1104-1114 '62.
New trends in the utilization of applied magnetohydrodynamics in industry. V. P. Polischuk, M. R. Tsin. Mashinostroenie no. 6:106-110 N-D '62.
Nurlingor's error. I. I. Shakhnov. Zhur. tekhn. fiz. 32 no. 12:1495-1496 D '62.
On the theory of shock waves in relativistic magnetohydrodynamics. R. V. Dolch. PMTF no. 1:38-46 Ja-F '63.
Resonance induction of waves in an infinitely conducting fluid. S. V. Iordanskii. Zhur. tekhn. fiz. 33 no. 1:103-114 Ja '63.
Some problems in magneto-gas dynamics of a quasi-one-dimensional plasma flow. Part 2: V. S. Erofeev, I. U. V. Sanochkin. Zhur. tekhn. fiz. 33 no. 1:73-79 Ja '63.
- MAGNETOMETER**
Nuclear electronic magnetometer with a long line. A. G. Gordienko, I. O. Antonenko, G. A. Akop'ian. Avtom. i prib. no. 3:81-82 JI-S '62.
- MAGNETRONS**
Contribution to the electronic theory of magnetron-type devices with negative emitting electrode. G. G. Monosov. Radiotekh. i elektron. 8 no. 2:248-256 F '63.
- MAGNETOGORSK—CEMENT PLANTS**
Improving technical and economic indices. A. S. Saratov. TSement 20 no. 1:6-7 Ja-F '63.
- MAGNETOGORSK—COMMUNITY CENTERS**
The library and the people's university of culture. M. Kanel'skaya. Klub 12 no. 8:6-8 Ag '62.
- MAGNETOGORSK—LIBRARIES**
The library and the people's university of culture. M. Kanel'skaya. Klub 12 no. 8:6-8 Ag '62.
- MAGNETOGORSK—STEEL INDUSTRY**
Kondakov, A. L. [Steel heart of the motherland] Stal'noo serdtshe Rodiny. Moskva, Profizdat, 1962. 221 p.
- MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1904-1930**
Genre and stylistic characteristics of Maikovsky's verse for children. V. I. Lotbaev. Uch. zap. MOPI [174]:207-239 '61.
- MAIL SERVICE** see Postal service
- MAIZE** see Corn (Maize)
- MAKARENKO, ANTON SEMENOVICH, 1888-1930**
From conversations about him... V. Gmurman. Nar. obr. no. 2:98-102 F '63.
Unpublished article of A. S. Makarenko, Semen Sumnyi. Nar. obr. no. 2:96-98 F '63.

MAKARENKO, ANTON SEMENOVICH, 1888-1939—
BIBLIOGRAPHY see Bibliography—Makarenko,
Anton Semenovich, 1888-1939

MAKEYEVKA—COKE INDUSTRY—BY-PRODUCTS
Production of sulfuric acid in wet catalysis shops by
means of a joint processing of hydrogen sulfide and
natural sulfur. A. P. Il'ichev. Koks i khim. no. 2:42-43
'63.

MAKEYEVKA—COKE OVENS
Operation of coke ovens. M. I. Gordienko. Koks i khim.
no. 2:28-29 '63.

MAKEYEVKA—METALLURGICAL RESEARCH
Research at the Makeyevka Metallurgical Plant. K. S.
Aiferov and others. Stal' 23 no. 2:116, 130-131, 156 F
'63.

MAKOVSKI, VLADIMIR EGOROVICH, 1840-1920
Druzhenkova, G. A. Vladimir Makovskii. Moskva,
Akad. khudozh. SSSR, 1962. 135 p. illus. col. plates.
(MII)

MALAGASY REPUBLIC—LEMURS
The country of lemurs. L. Korneev. Az. i Afr. seg.
no. 3:64 Mr '63.

MALAGASY REPUBLIC—POLITICS AND GOVERNMENT
Program of Madagascar's patriots. L. Korneev.
Az. i Afr. seg. no. 2:26-28 F '63.

MALAGASY REPUBLIC—POSTAGE STAMPS
The country of lemurs. L. Korneev. Az. i Afr. seg.
no. 3:64 Mr '63.

MALARIA—PREVENTION see subdivision under
Kirghizistan

MALAY LANGUAGE
"A critical survey of studies on Malay and Bahasa
Indonesia" [in English] by A. Teeuw, H. W. Emanuels,
Reviewed by N. F. Alieva. Nar. Az. i Afr. no. 1:234-236
'63.

MALAYAN LANGUAGES—DIALECTS see subdivision
under Formosa

MALAYSIA, FEDERATION OF
The Malaysian knot. D. Vol'skii. Nov. vrem. 20 no. 11:
13-15 Mr '63.

MALAYSIA, FEDERATION OF—POLITICS AND GOVERNMENT
Commentary and facts. N. Malysheva and others.
Az. i Afr. seg. no. 2:50-53 F '63.

MALI—EDUCATION
Schools in the Republic of Mali. A. Kosteln. Nov.
vrem. 20 no. 12:27-28 Mr '63.

MALI—MONEY
The Mali franc. S. Valiev. Az. i Afr. seg. no. 2:20-21
F '63.

MALI—SOCIAL CONDITIONS
Social differentiation in Mali and the adjacent regions of
West Africa [with summary in English, p. 259]. A. B.
Letnev. Nar. Az. i Afr. no. 1:74-84 '63.

MALI—VOCATIONAL EDUCATION
Vocational education in the Mali Republic. I. Kovalenko.
Prof. i tekhn. obr. 19 no. 11:30-31 N '62.

MALIC ACID
Complex compounds of lanthanum and ytterbium with
malic acid. N. K. Davidenko. Zhur. neorg. khim. 7
no. 12:2709-2715 D '62.

MALIK, CHARLES HABIB, 1906-
Diogenes in a glass tube. B. Rykhovskii. Nov. vrem. 20
no. 9:12-14 Mr '63.

MALLEODOSIS see Meltoidosis

MALLOW
Oleshko, K. S. [Forage mallow] Kormovaya mal'va. Mo-
skva, Izd-vo M-va sel', khoz. RSFSR, 1962. 55 p.
(DNAL)

MALT
Air conditioning in pneumatic malting. L. S. Donin. Spirt.
prom. 20 no. 1:13-17 '63.
Rotary machine for spreading green malt in horizontal
multistage malt kilns. Spirt. prom. 20 no. 1:33-35
'63.

MALYYE USHKANI ISLANDS—ANTIQUITIES
History of ringed seal hunting in the Lake Baikal region.
L. P. Khibystin. Sov. arkh. 7 no. 1:12-19 '63.

MALYYE USHKANI ISLANDS—RINGED SEAL
History of ringed seal hunting in the Lake Baikal region.
L. P. Khibystin. Sov. arkh. 7 no. 1:12-19 '63.

MAMMALS
Connection between theory and practice in the study of
mammals. E. V. Seredenko. Biol. v shkole no. 6:22-
25 N-D '62.
Development of the marking of mammals in the U. S. S. R.
V. S. Pokrovskii, I. U. M. Shchadilov. Migr. zhiv. no. 3:
5-9 '62.

MAMMALS—EMBRYOLOGY see Embryology—Mammals

MAMMALS, FOSSIL
Stages in the development of the Quaternary mammal
fauna as the reflection of evolution stages of the earth.
V. I. Gromov, E. A. Vangengeim, K. V. Nikiforova. Izv.
AN SSSR. Ser. geol. 28 no. 1:46-65 Ja '63.

MAMMARY GLANDS—CANCER see subdivision under
Tiflis

MAMMARY GLANDS—INNERVATION
Reflex relationship between the mammary gland and the
liver. I. I. Grachev, Shi Chzhun'-luan' [Shih Chun-
yuan]. Dokl. AN SSSR 148 no. 1:231-234 Ja '63.

MANAGEMENT
Gvishiani, D. M. [Business sociology; critical study of
the American theory of management] Sociologiya biz-
nisa; kriticheski ocherk amerikanskoi teorii mene-
dzhmenta. Moskva, Sotsekgiz, 1962. 193 p.

MANGANESE—ANALYSIS
Quantitative determination of nickel and manganese
traces by the diffusion reflection spectra with a pre-
liminary concentration on a cellulose ion exchanger
[with summary in English]. I. N. Ermolenko, M. L.
Longin, M. Z. Gavrilov. Zhur. anal. khim. 17 no. 9:
1035-1039 D '62.

MANGANESE—METALLURGY
Accelerating the metal manganese smelting process by
blowing the bath with inert gases. V. S. Zel'din, V. A.
Savitskii. Stal' 23 no. 1:54-55 Ja '63.

MANGANESE ALLOYS
Build-up welding of the crawler track rollers using a
high-manganese alloy. Tekh. v sel'khoz. 22 no. 12:
89 D '62.

MANGANESE-ALUMINUM ALLOYS see Aluminum-
manganese alloys

MANGANESE CATALYSTS
Problems of economics in the use of alkaline manganese
oxides. A. F. Prokepeuk. Khim. i tekhn. topl. i masel 8
no. 1:46-49 Ja '63.

MANGANESE IN THE BODY
Manganese content in the blood serum of infectious hepa-
titis patients. I. K. Musabaev, R. N. Mugmanova, D. M.
Guseva. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:
62-65 '62.

MANGANESE-IRON ALLOYS see Iron-manganese
alloys

MANGANESE-IRON-ALUMINUM ALLOYS see Iron-
aluminum-manganese alloys

MANGANESE-MAGNESIUM-NEODYMIUM ALLOYS see
Magnesium-neodymium-manganese alloys

MANGANESE-NICKEL ALLOYS see Nickel-manganese
alloys

MANGANESE STEEL
Drilling and punching openings in high-manganese austeni-
tic steel. I. U. A. Avtikson, N. I. Nakozin. Sudostroenie
29 no. 2:60-62 F '63.

MANGISTAUSKIY DISTRICT—TRUCK DRIVERS
Call of the steppe wind. R. Tamarina. Koop. Kazakh.
5 no. 10:53-54 O '62.

MANGYSHLAK PENINSULA—BIRDS
Seasonal aspects in the life of birds of Caspian deserts
and the coastal region (Mangyshlak and Buzachi
Peninsulas). V. Z. Zaitsev. Ornitologiya no. 5:169-174
'62.

MANGYSHLAK PENINSULA—BIRDS—MIGRATION
Flight of commercial water birds in the southern
Mangyshlak Peninsula. A. V. Molodovskii. Ornitologiya
no. 5:345-355 '62.

MANGYSHLAK PENINSULA—PETROLEUM GEOLOGY
Conquest of the Mangyshlak Peninsula. Nar. khoz. Kazakh.
20 no. 12:46-47 D '62.
There are gashers. Nar. khoz. Kazakh. 20 no. 11:77
N '62.

MANGYSHLAK PENINSULA—WATER BIRDS
Flight of commercial water birds in the southern
Mangyshlak Peninsula. A. V. Molodovskii. Ornitologiya
no. 5:345-355 '62.

MANIC-DEPRESSIVE PSYCHOSES
Legal competence in manic-depressive psychosis.
V. A. Gur'yeva. Prak. sudobnopsikh. ekspert. no. 4:
79-84 '61.
Somatic equivalent of circular psychosis and cyclothymia
[with summary in English]. T. A. Nevzorova,
I. U. Z. Drobizhev. Sov. med. 26 no. 12:45-49 D '62.

MANN, THOMAS, 1876-1955
"Collected works in ten volumes" by Thomas Mann.
Reviewed by M. Korallov. Vop. lit. 6 no. 12:202-209
D '62.

MANOMETER
Automatic machine for printing and lacquering dials of
manometers. L. V. Feldman. Trudy NIIPoligrafmash
no. 14:38-55 '61.

Splenomanometry in the diagnosis of portal hypertension
[with summary in English]. M. P. Postolov. Vest.
khir. 89 no. 11:30-33 N '62.

MANUAL TRAINING
Children's technological station at a plant. A. Kartashov.
Shkola i proizv. 6 no. 2:70-71 Ag '62.

Conducting laboratory work in manual training classes.
M. S. Stepanov, V. D. Dolgintsev. Shkola i proizv. 6
no. 9:46-48 S '62.

Everybody must work. D. Feldhtein. Shkola-int.
no. 6:29-34 N-D '62.

Let's give more attention to the work training of stu-
dents. N. S. Komrakov. Shkola i proizv. 6 no. 8:
43-46 Ag '62.

Methods of conducting instruction for on-the-job training.
A. Fischev. Prof. i tekhn. obr. 20 no. 2:24-25 F '63.

There are no favorable conditions for training. A. Shul'-
gin. Shkola i proizv. 7 no. 1:83 Ja '63.

Using a goniometer in eighth-grade manual training
classes. E. Z. Grinberg. Shkola i proizv. 6 no. 8:
52-56 Ag '62.

We are training workers. A. Petrov. Shkola-int.
no. 6:18-28 N-D '62.

What quality is expected from manufactured articles?
D. M. Tarnopol'skii. Shkola i proizv. 7 no. 1:45-46 Ja
'63.

MANUAL TRAINING—AUDIO-VISUAL AIDS
Role of technological maps and devices in manual train-
ing lessons. V. P. Semenkikh. Shkola i proizv. 6
no. 9:38-48 S '62.

MANUAL TRAINING—PRODUCTION STANDARDS
Establishing work norms for students. P. D. Golenko.
Shkola i proizv. 6 no. 8:46-49 Ag '62.

MANUFACTURES
From the mailbox. Meat. prom. i khud. promys. 3
no. 1:37 Ja '63.

MANUFACTURES—ABSTRACTS
[Communal, household, and commercial equipment]
Ref. zhur.: Kommun., byt. i torg. obr. nos. 2-4 F-Ap
'63.
[Light industry] Ref. zhur.: Leg. prom. no. 3 Mr '63.
Avtorskii ukazatel' za 1962 g.

MANUKOVSKI, NIKOLAI FEDOROVICH
Innovator's generous talent. V mire knig 2 no. 8:24
Ag '62.

MANUSCRIPTS—COLLECTORS AND COLLECTING
A. P. Grankov's collection of Russian manuscripts from
the 15th to the early 19th century. I. U. K. Begunov.
Istarkh. 8 no. 6:193-195 N-D '62.

MANUSCRIPTS, ARABIC
Miniatures of the "Makom" al-Khariri Leningrad manu-
script S 23 in the Institute of Asian Peoples, Academy
of Sciences of the U. S. S. R. V. A. Krachkovskaya. Uch.
zap. LGU no. 308:171-194 '62.

MANUSCRIPTS, TURKMEN
On a certain manuscript. Kh. Keregly. Trudy Inst. lit.
AN Turk. SSR no. 5:192-199 '61.

MANYCH-GUDILO LAKE REGION—BIRDS
Summer ornithofauna of Lake Manych-Gudilo and adjacent
steppes. V. S. Petrov, V. A. Minoranskii. Ornitologiya
no. 5:266-275 '62.

MAP PRINTING
Organization of planning in the plant: from the work
practice of a map-printing plant. A. I. A. Simonovskii
Geod. i kart. no. 12:57-64 D '62.

MAPS
Explanatory text for maps of natural features. I. S.
Brykovskaya. Geod. i kart. no. 1:61-64 Ja '63.
Maps published by the Academy of Sciences of the
U. S. S. R. I. U. V. Arslanov. Geod. i kart. no. 1:68-71
Ja '63.
Microfilms or micromaps? D. K. Berzin. Vop. arkh. 7
no. 3:94-101 Ji-S '62.

MARBLE see subdivision under Armenia

MARGELAN—ATHEISM—STUDY AND TEACHING
Do not weaken atheistic propaganda. M. Umarov.
Part. zhizn' [Uzb.] 6 no. 1:75-78 Ja '63.

MARIANENKO, IVAN, pseud.
In memory of a great artist. Mykhailo Verkhats'kyi.
Mystetstvo 9 no. 6:36-37 N-D '62.

MARIGNAC, JEAN CHARLES GALLISSARD DE, 1817-1894
Research of Marignac on the chemistry of rare earths.
O. I. Deineka. Trudy Inst. ist. est. i tekhn. 39:87-94 '62.

MARINE BIOLOGY see subdivision under Pacific Ocean

MARINE DIESEL ENGINES
Marine diesel engines with automatic control. G. A.
Valutenko. Mashinostroenie no. 6:65-67 N-D '62.
New marine diesel. Rech. transp. 22 no. 1:41-42
Ja '63.

- MARINE ENGINEERING—BIBLIOGRAPHY** see Bibliography—Marine engineering
- MARINE ENGINEERING—SAFETY MEASURES**
Kulikov, A. N. [Safety measures in the operation of marine power plants; manual for inland navigation crews] Tekhnika bezopasnosti pri ekspluatatsii sudovykh silovykh ustanovok; posobie dlia plavatel'skogo sostava sudov rechnogo flota. Izd. 2., perer. i dop. Moskva, Izd-vo "Rechnoi transport," 1962, 163 p.
- MARINE ENGINES**
Buzanov, A. A., and A. A. Pechatin. [Engine operator's textbook] Uchebnoe posobie motorista. Moskva, Izd-vo DOSTAA, 1962, 281 p.
Calculating the microclimate at posts in steam power plant spaces. A. M. Kozik. Sudostroenie 28 no. 2:27-29 F '63.
Convective heat exchange in combustion chambers. E. P. Karasev. Sudostroenie 29 no. 2:28-33 F '63.
Krynlis, M. N. [Equipment for mounting operations on ships] Osnashka dlia montazhnykh rabot na sudakh. 2., izd., ispr. i dop. Leningrad, Sudpromgiz, 1962, 390 p.
Mezhvedomstvennoe soveshchanie po izucheniiu i normirovaniu iznosov sudovykh dvigatelei vnutrennego sgoraniia. Leningrad, 1961. [Materials of the Interdepartmental Conference for the study and establishment of norms for the wear of marine internal combustion engines] Materialy. Moskva, Rybnoe khozlstvo, 1962, 195 p.
Unbalance of engines under the effect of shafts' torsional vibrations. A. B. Sakharov. Sudostroenie 29 no. 2:34-37 F '63.
- MARINE ENGINES—FUEL CONSUMPTION**
For an efficient use of fuel. I. Koshelev. Mor. flot 23 no. 2:28-29 F '63.
- MARINE ENGINES—MAINTENANCE AND REPAIR**
Device for the acceleration of atomizer change in engines in operation. V. Shkapov. Mor. flot 23 no. 2:29 F '63.
Main motorship engines should operate with nominal indices. A. Aleksandrov. Rech. transp. 22 no. 1:25-26 Ja '63.
- MARINE RESOURCES**
In the whole world. Znan.-sila 37 no. 12:13-15, 25 D '62.
- MARINE TRANSPORTATION** see Shipping
- MARINKA DISTRICT—AGRICULTURAL ADMINISTRATION**
New conditions require new methods of work. Z. Glukhov. Komm. Ukr. 37 no. 5:24-30 My '62.
- MARITIME LAW**
Order of case examinations in the Maritime Arbitration Commission. A. Shektorov. Mor. flot 23 no. 2:42 F '63.
- MARITIME METEOROLOGY** see Meteorology, Maritime
- MARITIME TERRITORY—AGRICULTURAL WAGES**
New forms of wages and the accounting organization. I. A. Grigorov. Uchet i fin. v kolhoz. i sovkh. 20 no. 1:20-21 Ja '63.
- MARITIME TERRITORY—FOREST FIRES**
Rate of fire danger and fire damages in individual types of oak forests in the southern Maritime Territory. N. A. Popov. Izv. vys. ucheb. zav. i les. zhur. 5 no. 5: 26-29 '62.
- MARITIME TERRITORY—MANUFACTURES**
In the struggle for the quality of merchandise. V. Pluta. Sov. torg. 35 no. 9:31-32 S '62.
- MARITIME TERRITORY—OAK**
Rate of fire danger and fire damages in individual types of oak forests in the southern Maritime Territory. N. A. Popov. Izv. vys. ucheb. zav. i les. zhur. 5 no. 5: 26-29 '62.
- MARITIME TERRITORY—PINK SALMON**
Biology of the humpback salmon (*Oncorhynchus gorbuscha* Walbaum) of the Maritime Territory. O. V. Vasilenko-Lukina. Vop. ikht. 2 no. 4:604-608 '62.
- MARITIME TERRITORY—SERVICE INDUSTRIES**
Competition between the service industries of two territories. I. Balaganskii. Mest. prom. i khud. promys. 3 no. 12:2-3 D '62.
- MARKETING** see subdivision under Leningrad
- MARKING (STUDENTS)** see Grading and marking (Students)
- MARKING OF ANIMALS** see Animals, Marking of
- MARKOV, SERGEI NIKOLAEVICH, 1906-**
Sergei Markov's ways. Vladimir Prihod'ko. V mire knig 2 no. 8:32-33 Ag '62.
- MARKOV PROCESSES**
Statistics of connected tests. M. Rozenblat-Rot. Dokl. AN SSSR 149 no. 1:30-31 Mr '63.
- MARMOTS** see subdivision under Kurama Range; Soviet Central Asia
- MARRIAGE CUSTOMS AND RITES** see subdivision under Carpathian Mountain region; Verkholensk region
- MARRIAGE PROPOSALS** see subdivision under Germany, West
- MARROW**
Clinical anatomical basis for the technique of bone marrow punctures of the ala illi [with summary in English]. L. T. Bil'kevich. Vrach. delo no. 1:52-57 Ja '63.
- MARROW—DISEASES**
Reaction of the blood and bone marrow following combined irradiation with X rays and radioactive phosphorus [in Georgian with summary in Russian]. T. G. Baramidze. Trudy Tbil. GIDUV 5:381-392 '62.
- MARS (PLANET)**
Mars and organic life. V. G. Fesenkov. Priroda 52 no. 2:22-26 '63.
Toward the fourth planet. Sh. Godeladze. Voioy. ateist 3 no. 2:10-15 F '63.
- MARS PROBE**
Toward the fourth planet. Sh. Godeladze. Voioy. ateist 3 no. 2:10-15 F '63.
- MARSHALS (COURT OFFICIALS)**
Try to equal the best marshals. G. Seliankina. Sov. iust. no. 5:19-20 Mr '63.
- MARTENS**
Comparative craniology of yellow-throated marten and fisher. V. N. Pavlinin. Trudy Inst. biol. UPAN SSSR no. 29:81-82 '62.
Morphologic characteristics of the pine marten *Martes americana* Turton. V. N. Pavlinin. Trudy Inst. biol. UPAN SSSR no. 29:57-69 '62.
- MARX, KARL, 1818-1883**
A correction of K. Marx's "Capital." M. Belokopytov. Kommunist 39 no. 4:124 Mr '63.
- MARX, KARL, 1818-1883—MUSEUMS, RELICS, ETC.**
Immortal images. R. S. Gorelik. Prep. ist. v shkole 18 no. 1:95-101 Ja-F '63.
- MASERS**
Generation threshold of an optical maser as dependent on the properties of the resonator. A. M. Samson, B. I. Stepanov, L. D. Khazov. Dokl. AN SSSR 148 no. 2:317-320 Ja '63.
Stability of the stationary state of quantum generators. B. I. Stepanov. Dokl. AN SSSR 148 no. 1:74-77 Ja '63.
- MASHEVKA DISTRICT—AGRICULTURAL WORKERS—DISEASES AND HYGIENE**
Experience in active surgical sanitation for the collective farms' workers in a rural district. I. I. Peremyshlenikov. Klin. khir. no. 12:61-62 D '62.
- MASONRY—COLD WEATHER CONDITIONS**
Raise the quality of winter masonry work. V. Sizov. Stroitel' 8 no. 1:14-15 Ja '62.
- MASONRY—STANDARDS**
"Masonry structures. Regulations for their construction and inspection." Biol. stroit. tekhn. 20 no. 2:11-12 F '63.
- MASS BCG VACCINATION** see BCG vaccination
- MASS SPECTROMETRY**
Topological structure of space and the mass spectrum of elementary particles. I. G. Ivanter. Dokl. AN SSSR 148 no. 2:303-306 Ja '63.
- MASS TRANSFER**
Analytical study of heat and mass transfer in an infinite plate and sphere. M. S. Kozlova. Trudy MTIPP 15:74-81 '60.
Analytical study of the interior heat and mass transfer in capillary-porous solids in the presence of phase conversion. E. I. Sizikova. Trudy MTIPP 15:117-126 '60.
Heat and mass transfer in anisotropic bodies [with summary in English]. N. I. Gumatunov. Inzh.-fiz. zhur. 6 no. 2:118-121 F '63.
New finite integral transformation for problems of heat and mass transfer. E. M. Goldfarb. Izv. vys. ucheb. zav. i chern. met. 6 no. 1:167-172 '63.
On the kinetic calculation of the process of rectification of multicomponent mixtures based on mass transfer equations. V. E. Bogoslavskii, A. N. Planovskii, Khim. i tekhn. topl. i masel 8 no. 1:11-15 Ja '63.
- MASS TRANSFER—BIBLIOGRAPHY** see Bibliography—Mass transfer
- MASS TRANSFER—PERIODICALS**
Articles published in the international journal "Tepl. i massopereenos," November, 1962. E. A. Bogachova. Inzh.-fiz. zhur. 6 no. 2:139-140 F '63.
- MASTICS**
Polyvinyl acetate mastic compounds of increased quality for laying seamless floor coverings. V. G. Koshkin, V. I. Larkina. Stroi. mat. 9 no. 2:17-18 F '63.
- MATCHA DISTRICT—TAJIK LANGUAGE—DIALECTS**
Khromov, A. L. [Dialects of the Tajiks in Matcha District] Govory tadzhikov Matchinskogo raiona. Dushanbe, Izd-vo Akad. nauk Tadzhikskoi SSR, 1962, 214 p. (Akademiia nauk Tadzhikskoi SSR, Dushanbe, Trudy, vol. 107)
- MATCHA REGION—GRANITE**
The Matcha syenite and granite massif. R. D. Granilin. Dokl. AN SSSR 148 no. 2:403-405 Ja '63.
- MATCHA REGION—SYENITE**
The Matcha syenite and granite massif. R. D. Granilin. Dokl. AN SSSR 148 no. 2:403-405 Ja '63.
- MATERIALS**
Let us contribute to our country's wealth. B. Ososkov. Rabotnitsa 40 no. 7:14 Ji '62.
[New kinds of materials in engineering and industry] Noveye materialy v tekhnike. Pod red. Trostianskoi E. B., Kolacheva, B. A., Sil'vestrovicha S. I. Moskva, Gostoptekhzdat, 1962, 656 p.
Norms and the methodology for establishing norms for the expenditure of materials. N. Khovriakov. Nar. khoz. Kazakh. 20 no. 11:73-74 N '62.
[Saving of materials and new materials used in the machinery industry] Ekonomika materialov i novye materialy, primeniamye v mashinostroenii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 18. No. M-57-124/4)
Ways to eliminate the surplus stocks of material and equipment. M. Pessel'. Den. i kred. 21 no. 1:15-24 Ja '63.
- MATERIALS—TESTING**
Electrostatic powder defectoscopy. K. I. Kornishin. Zav. lab. 29 no. 1:48-51 '63.
X-ray microdefectoscopy. B. M. Rovinskii, V. G. Liutsan. Zav. lab. 29 no. 1:38-41 '63.
- MATERIALS—THERMAL PROPERTIES**
Chirkov, V. S. [Heat conductivity of engineering materials] Toploprovodnost' promyshlennykh materialov. Izd. 2., perer. i dop. Moskva, Mashgiz, 1962, 246 p.
- MATERIALS HANDLING**
Mechanization of the unpacking and cleaning parts. A. I. A. Nemirovskii. Mashinostroenie no. 6:81-84 N-D '62.
Mikhailova, T. I., and A. I. Shtrymov. [New type of forging rolls. Automatic loading and unloading of ingots into and out of soaking pits] Kovochnye val'tsy novoi konstruktsii. Avtomatizatsiia zagruzk i vygruzki zagotovok iz nagrevatel'nykh pecheli. [By] M. A. Al'bert. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-154/7)
Selecting operational parameters of vibrating hoisters for the hoisting of dry pulverized materials. I. U. G. Gritsenko. TSvet. met. 36 no. 2:56-61 F '63.
- MATERIALS HANDLING—ABSTRACTS**
[Industrial transportation] Ref. zhur.: Prom. transp. no. 2 F '63.
- MATHEMATICAL ANALYSIS**
Algorithmic operators in recursive metric spaces. G. S. Tseitlin. Trudy Mat. inst. 67:295-301 '62.
Constructive mathematics. A. A. Markov. Trudy Mat. inst. 67:8-14 '62.
Editor's foreword. N. A. Shanin. Trudy Mat. inst. 67: 3-7 '62.
On the predicate of differentiability and the operator of differentiation in constructive mathematical analysis. G. E. Mintz. Dokl. AN SSSR 147 no. 5:1032-1034 D '62.
Recursive real numbers and recursive functional spaces. N. A. Shanin. Trudy Mat. inst. 67:15-294 '62.
Singular coverings and the related properties of recursive functions. I. D. Zaslavskii, G. S. Tseitlin. Trudy Mat. inst. 67:458-502 '62.
Some applications of operational calculus to problems of analysis. N. A. Meiler. Zhur. vych. mat. i mat. fiz. 3 no. 1:71-78 Ja-F '63.
Some properties of recursive real numbers and recursive functions. I. D. Zaslavskii. Trudy Mat. inst. 67:395-457 '62.
Theorems on the mean value in recursive analysis. G. S. Tseitlin. Trudy Mat. inst. 67:362-394 '62.
- MATHEMATICAL LINGUISTICS**
On certain algorithms connected with word systems. A. A. Markov. Izv. AN SSSR, Ser. mat. 27 no. 1:101-160 Ja-F '63.
What are structural and applied linguistics? V. A. Zvegintsov. Vest. vys. shkoly 21 no. 2:56-60 F '63.

MATHEMATICAL LINGUISTICS—CONGRESSES

Interuniversity Academic Conference on Applied Linguistics. D. M. Segal. Mash. perev. i prikl. ling. no. 5:93-99 '61.

MATHEMATICAL MODELS

Construction of n-dimensional servomechanisms using reversible models [with summary in English]. G. E. Pakhov, K. D. Zhuk. Dop. AN URSR no. 12:1565-1568 '62.

Logical scheme of algorithm for computing a chain stochastic process [in Georgian with summary in English]. R. L. Skhirtladze. Trudy Inst. fiz. AN Gruz. SSR 8:295-311 '62.

Quasi-projective classes of models. S. R. Kogalovskii. Dokl. AN SSSR 148 no. 3:505-507 Ja '63.

Structural characteristics of universal classes. S. R. Kogalovskii. Sib. mat. zhur. 4 no. 1:97-110 Ja-F '63.

MATHEMATICAL SOCIETIES see subdivision under

Leningrad; Moscow

MATHEMATICAL STATISTICS

Analysis of statistical methods for particle lifetime determination [with summary in English]. G. E. Chikovan. Trudy Inst. fiz. AN Gruz. SSR 8:132-159 '62.

Application of mathematical methods of experiment designing during the study of the mechanism of zirconium extraction. L. N. Komissarova and others. Zav. lab. 20 no. 3:327-330 '63.

Distribution of polynomial statistics in samples from a normal population. A. A. Zinger. Dokl. AN SSSR 149 no. 1:20-21 Mr '63.

Karasov, A. I. [Fundamentals of mathematical statistics] Osnovy matematicheskoi statistiki; uchebnoe posobie. [n. p.] Rosvuzizdat, 1962. 357 p.

Screening experiments during the study of zirconium extraction by tributyl phosphate. I. V. Granovskii and others. Zav. lab. 20 no. 3:321-326 '63.

Stability of solutions derived by the method of statistical linearization. M. Z. Kozlovskii, A. A. Pervozvanskii. Izv. AN SSSR, Otd. tekhn. nauk. Mekh. i mashinostr. no. 1: 184-189 Ja-F '63.

Statistical methods for an experimental planning in the mathematical description of processes. V. V. Nalimov. Zav. lab. 20 no. 1:5-7 '63.

Statistics of connected tests. M. Rozenblat-Rot. Dokl. AN SSSR 149 no. 1:30-31 Mr '63.

Zolina, R. S., and others. [Collection of problems in mathematical statistics and probability theory] Sbornik zadach po matematicheskoi statistike i teorii veroyatnostei. Moskva, Gosstatizdat, 1962. 163 p.

MATHEMATICS

(see also subdivision under Moldavia)

Kudryavtsev, V. A., and B. P. Demidovich. [Brief course in higher mathematics] Kratki kurs vysshei matematiki. Izd. S. perer. i dop. Moskva, Fizmatgiz, 1962. 529 p.

MATHEMATICS—ABSTRACTS

[Mathematics] Ref. zhur.: Mat. nos. 1-2 Ja-F '63.

MATHEMATICS—AUDIO-VISUAL AIDS

Models help correspondence students. G. A. Kanovel. Vest. vys. shkoly 21 no. 2:87-88 F '63.

Visual aids in teaching mathematics. V. P. Lebedev. Vest. vys. shkoly 21 no. 2:80-87 F '63.

MATHEMATICS—BIBLIOGRAPHY see Bibliography—

Mathematics

MATHEMATICS—COMPETITIONS

Mathematical competition. A. A. Kuzikova. Vech. sred. shkola 5 no. 5:48-49 S-O '62.

MATHEMATICS—CONGRESSES

All-Union colloquium on probability theory held at Fergana. R. Mukhamedkhanova. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 6:118 '62.

International Colloquium on Partial Differential Equations held in Paris. O. A. Oleinik. Usp. mat. nauk 18 no. 1: 217-230 Ja-F '63.

Inter-university conference on certain problems in physics and mathematics held at the Kabardino-Balkar State University. I. M. Karasov. Usp. mat. nauk 18 no. 1:237-240 Ja-F '63.

MATHEMATICS—STUDY AND TEACHING

Engineers must have a perfect knowledge of mathematical apparatus. B. O. Solonouts. Vest. vys. shkoly 21 no. 1:27-33 Ja '63.

Extracurricular work on mathematics. M. D. Breiterman. Vech. sred. shkola 5 no. 6:33-38 N-D '62.

Independent work of students on mathematics. E. F. Nedoshivkin. Vech. sred. shkola 5 no. 6:31-33 N-D '62.

Let's be aware of the practical needs of schools. P. M. Erdniev. Vest. vys. shkoly 21 no. 1:38-41 Ja '63.

Materials of the 22nd Congress of the CPSU on mathematics lessons. G. D. Gleizer. Vech. sred. shkola 5 no. 6: 28-30 N-D '62.

Mathematics as a tool for economists. P. P. Maslov, A. I. A. Bofarskii. Vest. vys. shkoly 21 no. 1:33-38 Ja '63.

Role of direct and inverse connections in learning mathematics [with summary in English]. P. M. Erdniev. Vop. psikh. no. 6:69-76 N-D '62.

MATHEMATICS—TEXTBOOKS see subdivision under

Poland

MATHEWSON, RUFUS W.

The problem of the national character of literature and folklore in N. G. Chernyshevskii's aesthetic conception. L. M. Zemlinova. Rus. folk. 7:171-188 '62.

MATRICES

Remarks on a paper by Greenstadt and a paper by Lotkin. A. A. Abramov. Zhur. vych. mat. i mat. fiz. 3 no. 1: 180-181 Ja-F '63.

Vorontsov, G. V. Numerical solution of problem in structural mechanics for rods by the mixed matrix method] Chislennoe reshenie zadach stiroitel'noi mekhaniki sterzheni po matrichnomu smeshannomu metodu. Novocheboksak, Redaktsionno-Izdatel'skii otdel NPI, 1962. 96 p.

[MICROFILM]

MATROSHYN, VALIANTIN

"The thoughts of Soviet servicemen; stories" by Valiantin Matroshyn. Reviewed by L. Maksimova. Belorus' 20 no. 2:29 F '63.

MATTER

Some problems concerning the transformation of nature and the development of earth sciences. A. G. Daskach. Vop. filos. 17 no. 2:161-164 '63.

MATULIYNA, ANTONINA IVANOVNA, 1902-1944

Artist and citizen. Mykola Dubyna. Mystetstvo 9 no. 6:32-33 N-D '62.

MAXILLARY SINUS—RADIOGRAPHY

Importance of contrast roentgenography in clinical evaluation of the late results of a radical operation on the maxillary sinuses. M. A. Parkhomovskii. Nauch. trudy Chetv. Mosk. gor. klin. bol., no. 1:287-292 '61.

MAXILLARY SINUS—SURGERY

Importance of contrast roentgenography in clinical evaluation of the late results of a radical operation on the maxillary sinuses. M. A. Parkhomovskii. Nauch. trudy Chetv. Mosk. gor. klin. bol., no. 1:287-292 '61.

MAY DAY (LABOR HOLIDAY)

The holiday of mankind's spring. E. Ligachev. Agitator no. 7:6-11 Ap '62.

MAZUT

Shragin, S. M. [Refining oils with phenol] Ochliska mazel (fenolom). Leningrad, Gostoptekhizdat, 1962. 84 p. (Biblioteka molodogo rabochego)

MEADOWS see Pastures and meadows

MEASLES

Biological properties of the measles virus during its prolonged cultivation in tissue cultures. E. S. Shikina, L. M. Boichuk, V. N. Meshalova. Trudy Len. inst. epid. i mikrobiol. 19:21-33 '59.

Experience in the production of antimeasles horse sera and gamma globulin. E. S. Shikina and others. Trudy Len. inst. epid. i mikrobiol. 22:55-63 '61.

MEASLES—MICROBIOLOGY

Isolation and study of measles virus strains. A. A. Smorodintsev, L. M. Boichuk, E. S. Shikina. Trudy Len. inst. epid. i mikrobiol. 17:6-12 '60.

Resistance of tissue cultures of the measles virus to storage under refrigeration and to lyophilic drying. L. M. Boichuk, E. S. Shikina. Trudy Len. inst. epid. i mikrobiol. 19:45-53 '59.

MEASLES—PREVENTIVE INOCULATION

Accumulation of complement fixation antibodies in children vaccinated with a live antimeasles vaccine. E. S. Shikina, L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 22:32-42 '61.

Characteristics of clinical reactions in children vaccinated with a live measles vaccine. L. V. Bystrakova, T. V. Batanova. Trudy Len. inst. epid. i mikrobiol. 22:21-31 '61.

Data on the isolation of the vaccine measles virus from children immunized with a live vaccine against measles. T. V. Peradze. Trudy Len. inst. epid. i mikrobiol. 22: 43-54 '61.

Reactogenic and immunogenic properties of a live tissue measles vaccine. A. A. Smorodintsev and others. Trudy Len. inst. epid. i mikrobiol. 19:3-20 '59.

State of immunity in children vaccinated with a live vaccine against measles. A. A. Smorodintsev and others. Trudy Len. inst. epid. i mikrobiol. 22:7-20 '61.

MEASURING INSTRUMENTS

(see also subdivision under Great Britain)

Apparatus for measuring the size of dust particles. M. M. Fedorov. Fiz. v shkole 22 no. 6:49-50 N-D '62.

Comparator manufactured by the Experimental Optical and Mechanical Factory of the Central Scientific Research Institute of Geodesy, Aerial Surveying, and Cartography. V. A. Sikachev, M. V. Meshcherskaya. Geod. i kart. no. 1:32-36 Ja '63.

Device for checking roundness. G. S. Biriukov. Izv. tekhn. no. 1:23-24 Ja '63.

Devices designed by the Central Research Laboratory of the Main Highway Administration. A. Gridunov, V. Belashov. Avi. dor. 25 no. 8:3 of cover Ag '62.

Devices for automatic diameter measurements. V. A. Truten', F. A. Truten'. Mashinostroitel' no. 1:19 Ja '63.

Eliminating temperature errors in measuring systems with power compensation. N. I. A. Vovchenko. Trudy MAI no. 147:108-116 '62.

Evaluating operational precision of measuring systems with backfeed. N. A. Chekhonadskii. Trudy MAI no. 147:124-138 '62.

High precision. A. Subbotin, A. Gerasimov. Mest. prom. i khud. promys. 3 no. 1:22 Ja '63.

Measures and measuring instruments approved by the committee on the basis of the results of their official testing and permitted to be used in the U. S. S. R. Izv. tekhn. no. 1:63 Ja '63.

A method for increasing the precision of measuring instruments. N. A. Chekhonadskii. Priborostroenie no. 1:3-5 Ja '63.

Use of ferrites in solving problems of measurement techniques. G. B. Bogdanov. Izv. tekhn. no. 1:33-37 Ja '63.

MEASURING INSTRUMENTS—BIBLIOGRAPHY see

Bibliography—Measuring instruments

MEASURING INSTRUMENTS—CORROSION

Using the dicyclohexylamine nitrite volatile inhibitor for protecting measuring instruments from atmospheric sea-water corrosion. M. I. Mamedov, A. G. Khanlarova, N. N. Kiazimova. Azerb. neft. khoz. 41 no. 4: 43-45 Ap '62.

MEASURING INSTRUMENTS—TESTING see subdivision under

Kuban

MEAT—MICROBIOLOGY

"Microbiology of meat and poultry products; a textbook for technical schools" by M. A. Agul'nik, I. P. Korneev. Reviewed by L. M. Kravtsov. Veterinariia 37 no. 11: 89-91 N '60.

MEAT INDUSTRY—EQUIPMENT AND SUPPLIES see

subdivision under Poltava

MEAT INDUSTRY—PRODUCTION STANDARDS

Standard norms in the meat industry. L. Levina and others. Sots. trud 7 no. 12:90-94 D '62.

MECHANICAL DRAWING

Leningrad. Inzhenerno-stroitel'nyi institut. Nauchnaya konferentsiia. [Drawing; reports of the 20th Scientific Conference] Grafika; doklady XX nauchnoi konferentsii. Leningrad, 1962. 29 p.

MECHANICAL DRAWING—EQUIPMENT AND SUPPLIES

Device for constructing images in perspective. G. M. Kolmakova. Izv. vys. ucheb. zav.; prib. 6 no. 1:113-117 '63.

Hygienic requirements of the mechanical drawing study room. A. G. Sukharev. Shkola i prosv. 6 no. 9:77-78 Ag '62.

Organizing a mechanical drawing study room. L. A. Lileva. Shkola i prosv. 6 no. 9:83-84 S '62.

MECHANICAL DRAWING—STUDY AND TEACHING

Elements of mechanical drawing in the practical exercises of a fitting shop. P. I. Ainaev. Shkola i prosv. 6 no. 9:48-50 S '62.

Methods of the composition of a mechanical drawing [with summary in English]. V. S. Polezov. Vop. psikh. no. 6:107-116 N-D '62.

Studying the perception of machine-part drawings by students in school workshops. Report No. 2; Experiment in the sixth grade. V. I. Kachnov. Dokl. APN 6 no. 5: 15-18 '62.

Teaching the construction and reading of mechanical drawings without the axes of projection. S. G. Filippova. Sred. spets. obr. 9 no. 12:39-43 D '62.

MECHANICAL ENGINEERING—BIBLIOGRAPHY see

Bibliography—Mechanical engineering

MECHANICAL ENGINEERING—STUDY AND TEACHING

Evening school students solve a production problem. A. N. Efimov. Vest. vys. shkoly 21 no. 2:35-36 F '63.

Projects should be carried out. I. N. Kartashov. Vest. vys. shkoly 21 no. 2:30-32 F '63.

MECHANICAL PANS see Fans, Mechanical

MECHANICAL WEAR

Delaying the development of pittings with lubricants. M. D. Bezborod'ko. Vest. mashinostr. 43 no. 1:48-51 Ja '63.

Evaluating the summation of damages of reinforced and nonreinforced full-scale parts subjected to cyclic torsion. M. I. A. Shashin. Vest. mashinostr. 43 no. 1:35-38 Ja '63.

Fundamentals of the theory and the mechanism of contact breakdowns. L. B. Erlikh. Vest. mashinostr. 43 no. 1: 26-31 Ja '63.

MECHANICAL WEAR (Continued)

Investigating resistance to abrasive wear. V. S. Popov, B. I. Lashchinskii. Metalloved. i term. obr. met. no. 1:51-53 Ja '63.

Mezhvedomstvennoe soveshchanie po izucheniti i normirovaniu iznosov sudovykh dvigatel'nykh vnutrennego sgoraniia. Leningrad, 1961. [Materials of the Interdepartmental Conference for the study and establishment of norms for the wear of marine internal combustion engines] Materialy. Moskva, Rybnoe khoz. inst. 1962, 195 p.

Wear of the teeth of roller bits. G. E. Efendiev. Azerb. neft. khoz. 41 no. 5:38-42 My '62.

Wear resistance and service life of machine parts. I. N. Velichkin. Vest. mashinostr. 43 no. 1:15-20 Ja '63.

MECHANICS

Finkel'shteyn, G. M. [Course in theoretical mechanics] Kurs teoreticheskoi mekhaniki; uchebnoe posobie dlia studentov pedagogicheskikh institutov. Moskva, Uchpedgiz, 1959, 442 p.

Solution of nonlinear three-dimensional problems of structural mechanics [with summary in English]. M. Stavratski. Dop. AN URSR no. 12:1591-1594 '62.

MECHANICS—ABSTRACTS

[Mechanics] Ref. zhur. i Mekh. nos. 2-3 F-Mr '63.

MECHANICS—STUDY AND TEACHING

Studying the topic "Addition of forces. Equilibrium" in the seventh grade. I. I. Luk'ianov. Fiz. v shkole 22 no. 6:39-43 N-D '62.

MECHANICS, ANALYTIC

Free vibrations of a structure on braces. V. A. Charushin. Trudy TSNIISK no. 18:91-123 '62.

Ablovskii, A. A., and V. M. Nikiforova. [Course in theoretical mechanics] Kurs teoreticheskoi mekhaniki. Moskva, Vysshaya shkola. Pt. I. [Statics, kinematics] Statika, kinematika. 1962, 430 p.

The N. E. Zhukovskii's theorems. K. G. Danilov. Trudy MTIPP 15:238-244 '60.

On the general theory of reduced accelerations in tangential coordinates. D. Mangeron, E. Croitoru. Dokl. AN SSSR 148 no. 1:54-56 Ja '63.

MECHANICS, APPLIED

Study of the spatial action of composite structures. B. P. Vol'fson. Dokl. AN SSSR 149 no. 1:54-57 Mr '63.

MECHANICS, CELESTIAL

Conference on general and applied problems of celestial mechanics. M. S. Iarov-Iarovoi. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:88-91 Mr-Apr '62.

Konferentsiia po obshchim i prikladnym voprosam teoreticheskoi astronomii. Moscow, 1961. [Problems of the motion of artificial celestial bodies] Problemy dvizheniia iskusstvennykh небесных тел; doklady. Moskva, Izd-vo Akad. nauk SSSR, 1963, 294 p.

MECHANISMS, INTERCHANGEABLE see Interchangeable mechanisms

MEDALS

Shechukina, E. S. [Russian medallic art of the 18th century] Medal'ernoie iskusstvo v Rossi i XVIII veka. Leningrad, Izd-vo Gos. Ermitazha, 1962, 128 p.

MEDIASTINUM—TUMORS

Case of primary seminoma of the mediastinum. M. A. Sedgarian. Vop. rent. i onk. 6:341-343 '61.

X-ray diagnosis of mediastinum tumors. V. A. Fanardzhian and others. Vop. rent. i onk. 6:7-15 '61.

MEDICAL BACTERIOLOGY see Bacteriology, Medical

MEDICAL COLLEGES

Medical schools in their struggle to carry out the law. A. M. Shishova. Sred. spets. obr. 9 no. 12:10-13 D '62.

MEDICAL GEOGRAPHY

Geograficheskoe obshchestvo SSSR. [Medical geography] Meditsinskaya geografiia. Moskva, Izd-vo Akad. nauk SSSR, 1961, 187 p. (DGC)

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref. zhur. i Med. geog. nos. 2-3 F-Mr '63.

MEDICAL GEOGRAPHY—PERIODICALS

"Meditsinskaya geografiia," a journal of abstracts from the Institute of Scientific Information of the Academy of Sciences of the U. S. S. R. Reviewed by B. A. Nikitiuk. Vop. antr. no. 10:181-182 '62.

MEDICAL GYMNASTICS see Exercise therapy

MEDICAL INSTRUMENTS AND APPARATUS

Inventions, discoveries, hypotheses. Sov. Soluz no. 3: 49 '63.

New cylinder for drop intravenous transfusion of fluids in combination with blood. N. Kh. Matinskii. Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:252-255 '61.

MEDICAL JURISPRUDENCE

Agricultural traumatism from the viewpoint of forensic medicine. V. M. Maslov. Sud.-med. ekspert. 6 no. 1: 55-56 Ja-Mr '63.

Expertise on self-strangulation. I. U. P. Efimov, A. K. Krasnov. Sud.-med. ekspert. 6 no. 1:52-53 Ja-Mr '63.

MEDICAL JURISPRUDENCE—BIBLIOGRAPHY see Bibliography—Medical jurisprudence

MEDICAL JURISPRUDENCE—CONGRESSES

Fourth All-Union Conference of Forensic Medicine Experts. I. B. Dmitriev. Sud.-med. ekspert. 6 no. 1: 58-61 Ja-Mr '63.

MEDICAL PERSONNEL

Legal consultation. A. V. Rott. Vrach. delo no. 1:156-157 Ja '63.

Legal consultation. A. V. Rott. Vrach. delo no. 11:157-158 N '62.

MEDICAL SCHOOLS see Medical colleges

MEDICAL SERVICE, RURAL see Medicine, Rural

MEDICAL SOCIETIES see subdivision under Mogilev

MEDICAL STATISTICS—CONGRESSES

Seminar on statistics on public health and the health of the population. M. I. A. Kassatier, N. I. Ushakova. Zdrav. Ros. Feder. 7 no. 1:44-45 Ja '63.

Teaching statistics to students of medical institutes; a report on the symposium of European states. I. G. Lavrova. Zdrav. Ros. Feder. 7 no. 1:41-42 Ja '63.

MEDICAL TESTS

Importance of the skin test with TSuverkaiov's allergen in the diagnosis of dysentery in children. T. V. Burova. Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:73-80 '61.

Thymol-veronal test of dysentery patients [with summary in English]. N. M. Pestrikova. Vrach. delo no. 11:92-95 N '62.

MEDICINE

"Basic features of present-day medicine" [translated from the German] by G. Glaser. Reviewed by I. U. P. Lisitsin. Sov. zdrav. 22 no. 2:83-85 '63.

"Basic problems in the history of medicine" [translated from the Polish] by F. Widly-Wirski. Reviewed by V. N. Emel'ianov. Sov. zdrav. 22 no. 2:81-82 '63.

"Laws and categories of dialectics and their manifestation in medicine" by S. S. Gurvich. Reviewed by V. N. Mikhailov, L. K. Samborski. Sov. zdrav. 22 no. 2: 75-81 '63.

Significant and anniversary dates in the history of medicine in 1963 - May. I. A. Zinov'ev and others. Sov. zdrav. 22 no. 2:67-68 '63.

MEDICINE—ABSTRACTS

Abstracts. Sov. med. 26 no. 12:116-120 D '62. [Medical abstracts] Med. ref. zhur. sect. 5 vol. 7 no. 2 F '63, [Sec. 9 vol. 7 no. 2 F '63.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—CONGRESSES

18th International Congress on the History of Medicine. M. P. Mul'ianovskii. Sov. zdrav. 22 no. 2:38-44 '63.

MEDICINE—PHILOSOPHY

Resolution of September 21, 1962, no. 794/168/19, of the Presidium of the Academy of Sciences of the U. S. S. R., the Presidium of the Academy of Medical Sciences of the U. S. S. R., and the Presidium of the Academy of Pedagogical Sciences of the R. S. F. S. R. concerning the results of the All-Union Conference on Philosophic Problems in the Physiology of Higher Nervous Activity and Psychology. Vest. AMN SSR 18 no. 1:80-94 '63.

MEDICINE, CLINICAL

Prosecution and the clinic. S. S. Vail'. Vrach. delo no. 1:13-18 Ja '63.

Voronov, A. S. [Hospital therapy] Gospital'naya terapiia. Kiev, Gosmedizdat USSR, 1962, 522 p. (DNLM)

MEDICINE, INDUSTRIAL

(see also subdivision under Leningrad; Samarkand; White Russia)

For the improvement of workers' health. Okhr. truda i zots. strakh. 6 no. 12:20 D '62.

How to check the work of a public health station. M. Kaziev. Okhr. truda i zots. strakh. 5 no. 12: 30-31 D '62.

MEDICINE, POPULAR

Problem of popular medicine. I. I. Levinshstein. Sov. zdrav. 22 no. 2:51-55 '63.

MEDICINE, PSYCHOSOMATIC

Somatic equivalent of circular psychosis and cyclothymia [with summary in English]. T. A. Nevzorova, I. U. Z. Drozhizhev. Sov. med. 26 no. 12:45-49 D '62.

MEDICINE, RURAL

(see also subdivision under Dagestan) Popular initiative. I. Ushakov. Sel. stroi. 15 no. 3:3-4 Mr '60.

MEDITERRANEAN SEA—OCEANOGRAPHY

Study of the Mediterranean Sea; a conference in Gelendzhik. L. M. Pomin. Vest. AN SSSR 33 no. 2:122-123 F '63.

MEDITERRANEAN SEA REGION—PHYSICAL GEOGRAPHY

Two scientific geographical symposiums. I. P. Gerastimov. Vest. AN SSSR 33 no. 2:104 F '63.

MELANCHOLIA

Experience in treatment of early manifestations of involutional melancholia by andaxin [with summary in English]. M. Sh. Vol'f. Trudy Gos. nauch. -issl. inst. psikh. 35:266-274 '62.

MELIROIDOSIS

Combined therapy of experimental melioidosis. L. E. Khundanov and others. Veterinaria 38 no. 10:55-57 O '61.

MELITOPOL' REGION—ROAD CONSTRUCTION

Construction of roads between collective farms in Melitopol' region. P. D. Murzaev. Avt. dor. 25 no. 6:6-8 Ag '62.

MELONS

Use of a synthetic film for achieving an early harvest of watermelons and melons. N. E. Zekengur. Biol. v shkole no. 5:49-51 S-O '62.

MEMEL—AERONAUTICAL SOCIETIES

Our independent club. I. U. Peletskas. Kryl. rod. 13 no. 12:6 D '62.

MENDELEEV, DMITRII IVANOVICH, 1834-1907

D. I. Mendeleev and the Scientific and Technical Laboratory of the Navy Department. A. I. Averbukh. Trudy Inst. ist. est. i tekhn. 39:222-247 '62.

MENIERE'S DISEASE

Meniere's disease in the light of modern otoneurological data. S. P. Feldman. Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:264-282 '61.

Treatment of Meniere's disease. V. K. Egorova. Zhur. ush., nos. i gorl. bol. 22 no. 4:76-77 Ji-Ag '62.

MENINGES—TUBERCULOSIS

Clinical and bacteriological parallels in antibacterial therapy for tuberculous meningitis patients [in Georgian with summary in Russian]. Sh. S. Lordkipanidze. Trudy Tbil. GIDUV 6:275-283 '62.

Obiteration of the subarachnoid spaces and calcification of the meninges following tuberculous meningitis. T. G. Khandrikova-Marcova. Probl. sovr. neirokhir. 4:44-52 '62.

Recurrent tuberculous meningitis in adolescents and adults [with summary in English]. G. R. Khersonskii. Vrach. delo no. 11:53-58 N '62.

MENINGIOMA

Meningeal pain syndrome in the diagnosis of supratentorial arachnoidendotelomas. V. A. Tamaskoi, N. P. Fomina. Probl. sovr. neirokhir. 4:278-282 '62.

MENINGITIS

(see also subdivision under Irbis; Tomsk Province)

Surgical treatment of arachnoiditis of the posterior cranial fossa in children. K. I. A. Ogletzov. Probl. sovr. neirokhir. 4:242-248 '62.

MENSURATION

Metrology should be at the level of current problems. Izv. tekhn. no. 1:1-2 Ja '63.

The "PMM" machine for area measurement of stiff leather. M. A. Braginskii, P. M. Mets. Lab. prom. no. 3:12-16 Ja-Ag '62.

Reconstruction of fast-moving processes by linear recording systems. V. G. Vasil'ev. Izv. tekhn. no. 1: 6-9 Ja '63.

Using error-compensation phenomena for increasing the precision of measuring and information systems. N. A. Chekhonadskii. Izv. tekhn. no. 1:3-6 Ja '63.

MENSURATION—ABSTRACTS

[Mensuration and measurement techniques] Ref. zhur. i Metr. i izm. tekhn. nos. 1-2 Ja-F '63.

MENTAL DEFICIENCY

Functional development of the higher nervous activity of oligophrenics. N. M. Trofimov. Dokl. APN 8 no. 5: 121-124 '62.

MENTAL DEPRESSION see Depression, Mental

MENTAL DISEASES see Psychoses

MENTAL ILLNESS

Experience in the treatment of mental patients by andaxin [with summary in English]. T. A. Klimushcheva. Trudy Gos. nauch. -issl. inst. psikh. 35:249-258 '62.

Experience in the use of psychotropic drugs in treating psychopaths [with summary in English]. V. I. Gindikin. Trudy Gos. nauch. -issl. inst. psikh. 35:321-327 '62.

MENTAL SUGGESTION

Vasil'ev, L. L. [Experimental research on mental suggestion] Eksperimental'nye issledovaniia myslen'nogo vmusheniia. [Leningrad] Izd-vo Leningr. univ., 1962. 198 p.

MENTALLY HANDICAPPED CHILDREN

Use of psychotropic drugs for different forms of dementia in childhood [with summary in English]. I. A. Iurkova. Trudy Gos. nauch. -issl. inst. psikh. 35:308-315 '62.

MENTALLY ILL—CARE AND TREATMENT

Circular letter from the Ministry of Public Health of the U. S. S. R., No. 10--91/14--20, January 24, 1961, to the ministers of public health of the union and autonomous republics, territories, provinces, city and district public health departments on the order of the distribution of hospital certificates and state pensions to those who are mentally ill in forensic psychiatric expert opinion and under enforced treatment. Prak. audebnopsikh. ekspert. no. 4:85-86 '61.

MEPROBAMATE

Effect of andaxin on healthy people. A. I. Treshchinskii and others. Vrach. delo no. 11:149-150 N '62. Experience in the treatment of mental patients by andaxin [with summary in English]. T. A. Klimushina. Trudy Gos. nauch. -issl. inst. psikh. 35:249-250 '62. Experience in treatment of early manifestations of involuntary melancholia by andaxin [with summary in English]. M. Sh. Vol'f. Trudy Gos. nauch. -issl. inst. psikh. 35:266-274 '62.

Treatment with andaxin of the reactive states in cerebral atherosclerosis patients; a clinico-electroencephalographic study [with summary in English]. P. M. Popov. Trudy Gos. nauch. -issl. inst. psikh. 35:275-287 '62.

Use of meprotran (andaxin) in a psychiatric clinic [with summary in English]. A. G. Ambrumova, B. A. Tselibeev. Trudy Gos. nauch. -issl. inst. psikh. 35:256-265 '62.

MERCAPTALS

Cyclic polymerization and polymerization. Report No. 18: Synthesis and study of radical polymerization of divinyl mercaptals and divinyl mercaptolates. S. G. Matsolan, A. A. Saakian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:463-472 '62.

MERCAPTO COMPOUNDS

Collector action of certain substituted 2-mercaptobenzimidazoles. G. N. Thurenkova, L. F. Lipatova, I. A. Postovskii. TSvet. met. 36 no. 2:77-80 F '63.

MERCERIZATION

Effect of the conditions of mercerization and of cellulose quality on filterability during continuous mercerization. E. L. Tatevosian, T. P. Makarova, A. I. Meos. Khim. volok. no. 1:30-33 '63.

Influence of certain factors on the degree of squeezing out of alkali cellulose. I. U. L. Bezisak, L. V. Saulova. Khim. volok. no. 1:60-63 '63.

MERCHANT MARINE

Brief news. Mor. flot 23 no. 2:43 F '63.

Follow-up of published materials. Mor. flot 23 no. 2:44 F '63.

Objectives of the fifth year of the seven-year plan. Mor. flot 23 no. 2:1-3 F '63.

MERCHANT MARINE—COST OF OPERATION

Economic efficiency in the use of radio navigation systems in the merchant marine. V. M. Polianskii, A. A. Iakushenkov. Inform. shor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15:7-13 '61.

Frolov, A. S. [Over-all organization of the merchant marine and harbor operations; theoretical principles] Kompleksnaya organizatsiia raboty flota i portov; teoreticheskie osnovy. Moskva, Izd-vo "Morskoi transport," 1962. 220 p.

MERCHANT MARINE—LABOR PRODUCTIVITY

Effect of operational and economic factors on the labor productivity of ship crews. P. I. Kufanin. Trudy TSNIMF no. 43:49-63 '62.

MERCHANT SEAMEN

"Communist Youth Searchlights" at their combat posts. Mor. flot 23 no. 2:3 F '63. Secret of success. M. Lavrent'ev, N. Komarov. Rech. transp. 22 no. 1:18-19 Ja '63.

MERCHANT SEAMEN—LEGAL STATUS, LAWS, ETC.

Our suggestions. B. Cherkashin and others. Mor. flot 23 no. 2:19 F '63. Work conditions on merchant ships. E. Zheltovskii. Mor. flot 23 no. 2:17-19 F '63.

MERCHANT SEAMEN—WATCH DUTY

Renounced the seven-hour watch schedule. B. Solovet. Mor. flot 23 no. 2:16-17 F '63. Watch and duty schedule on cargo ships. V. Zbarashchenko, B. Panov, F. Burchenko. Mor. flot 23 no. 2:16 F '63.

MERCHANT SHIPS—COST OF OPERATION

Determining the economic efficiency of modernizing merchant ships. O. A. Novikov. Trudy TSNIMF no. 43:30-38 '62.

MERCURY—ANALYSIS

Hydrosulfite reaction for mercury. A. V. Nikolaev. Trudy VEV 28:209-211 '62.

MERCURY ACETATES

Reaction of allylalkylacetic acids with mercury acetate. S. V. Arakelian, M. T. Dangian, A. A. Avetisian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:435-438 '62.

MERCURY-ARC RECTIFIERS

Increase in the stability of the excitation of mercury rectifiers using semiconductor ignitrons. M. V. Gel'man. Vest. elektroprom. 34 no. 2:17-21 F '63. A metal excitron with fixed cathode spot. I. U. D. Khromoi. Vest. elektroprom. 34 no. 2:36-40 F '63.

MERCURY-ARC RECTIFIERS—TESTING

Method for checking sealed rectifiers for leakage. L. A. Levchenkova. Vest. elektroprom. 34 no. 2:67-68 F '63.

MERCURY ORES see subdivision under Siberian Platform; Zoravshan Valley

MERCURY ORGANIC COMPOUNDS

"Cosymmetrization" reaction of organomercury salts. I. P. Beletskaya, G. A. Arlamkina, O. A. Reutov. Dokl. AN SSSR 149 no. 1:80-93 Mr '63.

MERKAPTOPHOS—TOXICOLOGY

Merkeptophos poisoning of cattle and measures for its prophylaxis. P. E. Radkevich and others. Veterinaria 37 no. 7:65-68 Ji '60.

MESCALINE

Relation between the pathodynamic structures of disease and the selective properties of drugs [with summary in English]. A. S. Poznanekil. Trudy Gos. nauch. -issl. inst. psikh. 35:36-43 '62.

MESENTERIC ARTERIES—DISEASES

Clinical aspects of embolism and thrombosis of the mesenteric arteries [with summary in English]. A. N. Shabanov, O. S. Nikonova. Sov. med. 20 no. 12:9-12 D '62.

MESENTERY—CYSTS

Two cases of the true mesentery cyst. V. O. Sarukhanian, L. A. Gvorkian. Vop. rent. ionk. 6:317-319 '61.

MESHCHERA—LANDFORMS

Assev, A. A., and I. E. Vedenkova. [Relief development of the Meshchera Lowland] Razvitiie rel'efa Meshcherskoi nizmennosti. Moskva, Izd-vo Akad. nauk SSSR, 1962. 120 p.

MESHCHERA DEPRESSION—DRAINAGE

Use of plastics in the reclamation of the Meshchera depression. V. I. Antonov, V. A. Shreider. Plast. massy no. 2:47-51 '63.

MESONS

Nucleons and pions (from "Chemie für Laboratorium und Betrieb," August, 1962). Priroda 62 no. 2:113-114 '63.

Problem of polarization characteristics of electrons from the μ^- meson decay. B. K. Kerimov and others. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:20-35 Mr-Apr '62.

MESONS—SCATTERING

Analytic properties of the meson-nucleon vertex portion and the scattering amplitude of pseudoscalar mesons in the theory of perturbations. M. A. Mestvirishvili, I. T. Todorov. Dokl. AN SSSR 148 no. 3:562-565 Ja '63.

METABOLISM

Effect of the central nervous system on metabolic processes in fowls. R. Gotev. Trudy VEV 26:198-204 '62.

Rachev, L., I. Todorov, and St. Slaveva. [Metabolism in children. Translated from the Bulgarian] Obmen veshchestv v detskom vozraste. Sofia, Gos. izd-vo med. i fizkultura, 1962. 423 p. [With summary in English] (DNLM)

[MICROFILM]

METABOLISM, DISORDERS OF

Role of the Takata test in the disorders of metabolism in dairy cows. K. Vodla. Veterinaria 37 no. 7:56-60 Ji '60.

Toxicity of the milk of highly productive cows with an acute form of a metabolism disorder. A. M. Silaev. Trudy VEV 26:183-187 '62.

METAL CHELATE COMPOUNDS see Organometallic compounds

METAL CLEANING

Developing and investigating equipment for the hydraulic removal of scale from hot ingots. V. I. Zaleskii and others. Kuz. -shtam. proizv. 5 no. 1:21-24 Ja '63. Resistance of parts during spot welding with preheating of uncleaned hot-rolled steel. N. E. Gorozhantov. Svar. proizv. no. 1:13-14 Ja '63.

METAL CRYSTALS—ELASTIC PROPERTIES

Effect of preferred grain orientation on the elastic properties of polycrystals. I. P. Talashkevich, K. S. Aleksandrov. Fiz. met. i metalloved. 14 no. 6:801-805 D '62.

METAL CRYSTALS—GROWTH

Effect of the direction of heat transfer on the orientation of the growth of single crystals of some nonferrous metals [with summary in English]. D. M. Chigvinadze, L. S. Topchian, G. I. Nalavishvili. Trudy Inst. fiz. AN Gruz. SSR 8:267-275 '62.

METAL CUTTING

(see also subdivision under Dnepropetrovsk)

Cold breaking of rods on a Pella's press. D. I. Isakovich. Kuz. -shtam. proizv. 5 no. 2:47 F '63.

Determining the efficiency of the automation of machining with multiple-purpose equipment. V. V. Danilevskii. Mekh. i avtom. proizv. 17 no. 1:47-48 Ja '63.

Gorelov, V. M. [Formation of metal chips] Obrazovanie metallicheskoi struzhki. Izd. 4. Moskva, Mashgiz, 1962. 37 p. (Nauchno-popularnaya biblioteka rabochego-stanochnika, no. 2)

Investigating conditions of blank setting for machining on automatic lathes. M. A. Kallinin. Izv. vys. ucheb. zav.; mashinostr. no. 9:68-75 '62.

Investigating dynamic processes during cutting. I. V. Likhatskii. Mashinostroyeniye no. 6:12-16 N-D '62.

Nukhvid, M. E., and others. [Highly efficient methods of slitting shafts] Vysokoproduktivnye metody obrabotki shlitseiv na valakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Toma 10. No. M-58-80/18)

Moscow. Vsesobuznyi zaochnyi mashinostroyitel'nyi institut. Kafedra "Metallorazhushchie stanki i instrumenty." [Metal-cutting machines; kinematic adjustment of metal-cutting machines] Metallorazhushchie stanki i kinematicheskaya nastroika metallorazhushchikh stankov. Pod red. A. G. Nalchana. Moskva, Mashgiz, 1962. 170 p.

Problems in the automation of cutting-tool exchange during multitool machining. V. N. Vasil'ev. Izv. vys. ucheb. zav.; mashinostr. no. 9:76-84 '62.

Rubinov, L. A. [Hydraulic equipment for metal-cutting machines] Gidravlicheskaya apparatura dlia metallorazhushchikh stankov; stenogramma. Leningrad, 1962. 53 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Mekhanicheskaya obrabotka)

Utilization of natural vibrations for chip breaking. V. N. Poduraev, A. M. Bezborodov. Stan. i instr. 34 no. 1:17-20 Ja '63.

Ways for increasing economic efficiency of the machining of bodies of revolution. A. I. Zagorodnikov. Izv. vys. ucheb. zav.; mashinostr. no. 9:20-31 '62.

METAL CUTTING—STUDY AND TEACHING

Laboratory on metal cutting. F. Terekhin. Prof. -tekh. obr. 19 no. 12:13-15 D '62.

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL-CUTTING TOOLS

(see also subdivision under Artemovsk, Donetsk Province)

Form shaping of cutting tools. Mashinostroyitel' no. 1:38 Ja '63.

Kluchnikov, E. I. [Die and cutting tools] Shtamp i rezets. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhitii, nauke, tekhnike. IV Seriya: Tekhnika, no. 4)

Kozlov, S. F., and A. I. Pavlukovich. [Hard-alloy cutting tools for the machining of light alloys] Tverdosplavnye razhushchie instrumenty dlia obrabotki legkikh splavov. Leningrad, 1962. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen periodovym opytom. Seriya: Mekhanicheskaya obrabotka metallov, no. 25)

Liberman, A. I. [Design of multicut tools for copying machining] Raschet mnogolezviynykh instrumentov, rabotayushchikh metodom kopirovaniia. Moskva, Mashgiz, 1962. 359 p.

Using molybdenum disulfide for improving the strength of dies and cutting tools. I. A. K. Terent'ev. Blul. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:86-87 '63.

METAL-CUTTING TOOLS—STANDARDS

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Metal-cutting tools; cutters] Rezhushchii instrument; rezay. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 48 p.

METAL-CUTTING TOOLS—TESTING

Using mathematical statistics in investigating metal-cutting tools. P. G. Katsev, V. I. Siskov. Stan. i instr. 34 no. 1:20-26 Ja '63.

METAL DETECTORS

Experience in the use of MA-1 metal detectors. S. G. Makhnev, E. I. Argunov. TSvet. met. 38 no. 2:85-87 F '63.

Transistor iron detector. P. I. Kharnash. Fiz. v shkole 22 no. 6:84 N-D '62.

METAL INDUSTRIES—MANAGEMENT see subdivision under Moscow

METAL POWDERS

More on factors influencing the quality of nickel powder. IU. V. Alekseev, TSvet, met. 35 no. 12:59-60 D '62.

METAL SPRAYING

Akademiya stroitel'stva i arkhitektury SSSR, Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Anticorrosive protection by metal spraying of steel insertion pieces and weld joints in large-panel buildings] Antikorroziinaya zashchita stal'nykh zakladnykh detalei i svarnykh soedinenii v krupnopanel'nykh zdaniyakh metallizatsiei; opyt kombinata zhelezno-dorozhnykh konstruktssii No. 2 Glavmospromstroimaterialov, Moskva, Gosstroizdat, 1962, 20 p. [MICROFILM]

METALLIC FILMS

Effect of fusible coatings on the mechanical properties of metals following cyclic heat treatment. P. D. Novokreshchenov, N. V. Savchenko, Dokl. AN SSSR 148 no. 2:328-331 Ja '63.

METALLIC FILMS—MAGNETIC PROPERTIES

Hysteresis loops in flat ferromagnetic films. V. F. Ivlev, N. G. Pak, S. V. Kan. Fiz. met. i metalloved. 14 no. 6:938-940 D '62.

METALLIC OXIDES

Evaluating the composition of surface layers in oxide melts. V. G. Korpachev, O. A. Esin, S. I. Popel'. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:5-7 '63. Joint action of radiation and oxide catalysts on the dehydrogenation of cyclohexane. V. I. Vladimirova and others, Dokl. AN SSSR 148 no. 1:101-104 Ja '63. Role of the primary protective film in the process of oxidation of metals in aqueous solutions. L. Lepim, A. Lokenbakh, Dokl. AN SSSR 148 no. 1:148-151 Ja '63.

METALLIC OXIDES—ELECTROMAGNETIC PROPERTIES

Thermal electromotive force, electrical conductivity, and change in the resistance of the magnetic field of barium-strontium oxide. A. E. Iorish and others, Radiotekh. i elektron. 8 no. 2:269-278 F '63.

METALLIC OXIDES—METALLOGRAPHY

Structural characters of the breakdown of lower oxides in slags. L. N. Ruskov, A. S. Dubrov, Dokl. AN SSSR 149 no. 1:107-110 Mr '63.

METALLOGRAPHY

[Constitutional diagrams of metal systems, published in 1960 (no. 6)] Diagrammy sostoianiya metallicheskiikh sistem, opublikovannye v 1960 godu (vypusk 6) [By] Z. M. Rogachevskaya, Pod red. N. V. Ageeva, Moskva, Proizvodstvenno-Izdatel'skii kombinat VINITI, 1962, 173 p. (Prilozhenie k vypusku "Metallovedenie i termicheskaya obrabotka" Referativnogo zhurnala "Metallurgiya" za 1962 god)

Effect of a fine crystal structure on the hardening of nickel alloys. S. B. Maslennikov, G. V. Estulin, Metalloved. i term. obr. met. no. 1:25-29 Ja '63. New developments in metallography and the technology of the heat treatment of steel. Book review by A. I. Sorokin, Metalloved. i term. obr. met. no. 1:64 Ja '63.

Role of the phenomena of hardening and recovery as well as grain size on the high speed effect in various areas of the deformation diagram. L. D. Sokolov, Fiz. met. i metalloved. 15 no. 1:109-112 Ja '63.

METALLURGICAL ANALYSIS—HANDBOOKS, MANUALS, ETC.

Iakovlev, P. Ia., and E. F. Iakovleva. [Technical analysis in metallurgy; manual for laboratory workers] Tekhnicheskii analiz v metallurgii; spravochnoe rukovodstvo dlia laborantov, Moskva, Metallurgizdat, 1963, 287 p.

METALLURGICAL FURNACES

Coking of a charge containing 40% gas coals and blast-furnace smelting with coke obtained by this method. A. M. Miroshnichenko and others, Koks i khim. no. 2: 20-24 '63.

In connection with V. P. Romanovskii's article entitled "Coke combustion in shaft furnaces" and A. A. Tsel'der's article "Direction of research on the improvement of shaft furnace smelting," N. A. Bakharev, TSvet, met. 35 no. 12:18-26 D '62.

Moscow, Tsentral'nyi Institut informatsii chernoi metallurgii. [Heat engineering] Toploenergetika [By] E. A. Nitskevich, Pod red. A. N. Ivanova, Moskva, Metallurgizdat, 1962, 348 p. (Tekhnicheskii progress v chernoi metallurgii SSSR)

METALLURGICAL FURNACES—PROTECTIVE ATMOSPHERES

Gas furnace with controlled atmosphere for the melting of nonferrous alloys. V. I. Kharchenko, G. F. Degtev, Lit. protzv. no. 7:35-36 Ji '62.

METALLURGICAL PLANTS

(see also subdivision under Krivoy Rog Basin; Siberia, Western)

Installation of backpressure turbines for operation on secondary steam in metallurgical plants. P. S. Kolobkov, Izv. vys. ucheb. zav.; energ. 6 no. 1:51-58 Ja '63.

Ways for establishing modern metallurgical units. A. I. Tsel'skov, Vest. AN SSSR 33 no. 2:44-50 F '63.

METALLURGICAL PLANTS—ACCOUNTING

Methods of determining foundry costs in metallurgical plants. T. Ia. Goleusova, Lit. protzv. no. 7:14-15 Ji '62.

METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

Supplement to the "Handbook of consolidated indices on the cost of planning and research work," Bluf. stroi. tekhn. 20 no. 2:31 F '63.

METALLURGICAL PLANTS—ELECTRONIC EQUIPMENT

Computing device for measured cutting of billets on shears of roughing mills. IU. A. Bortsov and others, Prom. energ. 18 no. 2:10-16 F '63.

METALLURGICAL PLANTS—HEATING AND VENTILATION

Designing the heating and ventilation of converter shops of ferrous metallurgical plants. Bluf. stroi. tekhn. 20 no. 2:28-31 F '63.

METALLURGICAL PLANTS—HYGIENIC ASPECTS see subdivision under Novokuznetsk

METALLURGICAL PLANTS—TECHNOLOGICAL INNOVATIONS

Over-all mechanization of conveying, loading and unloading and warehouse operations in enterprises of ferrous and nonferrous metallurgy. P. I. Danilin, Bluf. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:76-78 '63.

METALLURGICAL RESEARCH see subdivision under Armenia; Makeyevka; Severskiy; Volgograd

METALLURGY

Blowing gases through liquid metals. B. A. Noskov and others, Mashinostroenie no. 6:39-43 N-D '62.

METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur.: Met., no. 2 F '63.

METALLURGY—CONGRESSES

All-Union Conference of Workers in the Iron-Alloy Industry. I. F. Krasnykh, V. A. Bogolubov, Stal' 23 no. 1:58-59 Ja '63.

METALLURGY, VACUUM see Vacuum metallurgy

METALS

Distance between metal atoms and water molecules in crystal hydrates. G. G. Malenkov, Zhur. strukt. khim. 4 no. 1:102-105 Ja-F '63. Synthetic adhesives for metal-bonding to metal. D. A. Kardashov, I. M. Zamanskii, Plast. massy no. 2:72-77 '63.

METALS—ANALYSIS

Complex compounds of multivalent metals with trihydroxyfluorones. V. A. Nazarenko and others, Zhur. neorg. khim. 7 no. 12:2731-2738 D '62. Increase in the sensitivity of luminescent reactions for cations with organic reagents induced by the freezing of solutions. E. A. Bozhevol'nov, E. A. Solov'ev, Dokl. AN SSSR 148 no. 2:335-337 Ja '63.

Ion exchange method for the separation of rhenium from molybdenum and other elements. Report No. 3: Ion exchange separation of rhenium from molybdenum, selenium, and tellurium in a strong alkaline medium. M. V. Darbinian, D. S. Gelbakina, Izv. AN Arm. SSR, Khim. nauki 15 no. 6:511-519 '62.

METALS—BIBLIOGRAPHY see Bibliography—Metals

METALS—CONGRESSES

Results of the International Conference in Prague on problems of the fatigue of materials. I. V. Kudriavtsev, N. A. Guliava, Metalloved. i term. obr. met. no. 1: 68-63 Ja '63.

METALS—FATIGUE

Effect of repeated building up on the structure and mechanical properties of metals in the area of locally roller-treated surfaces and flanges. M. G. Makeev, L. A. Aksenova, Trudy MII no. 160:87-106 '62. Fatigue strength of steel 45 following preliminary plastic tensile tests in water [with summary in English]. I. I. Ishchenko, I. A. Malynova'ska, Dop. AN USSR no. 12: 1588-1600 '62. Methods of the endurance testing of weldments. V. I. Trufilakov, Avtom. svar. 16 no. 1:1-8 Ja '63. Study of the thermal fatigue of turbine nozzle blades made from EI 807A and EI 765 alloys. G. N. Tret'yachenko, R. I. Kuriat, L. V. Kravchuk, Energ. i elektrotekhn. prom. no. 4:18-22 O-D '62.

METALS—FINISHING

Looking like gold. A. Slepets, M. Gracheva, Mest. prom. i khud. promys. 4 no. 2:30-31 F '63. Shuralev, M. V., and V. B. Skornjakov, [Cleaning and finishing of rolled products] Otketka prokata, Sverdlovsk, Metallurgizdat, 1962.

[MICROFILM]

METALS—HARDENING

Deformation aging. L. D. Sokolov, Fiz. met. i metalloved. 14 no. 6:904-909 D '62.

METALS—HEAT TREATMENT

Samokhotelski, A. I. [Technology of the heat treatment of metals] Tekhnologiya termicheskoi obrabotki metallov, Moskva, Mashgiz, 1962, 427 p. Using induction heating for heat treatment of metals. I. Sh. Svet, Mashinostroenie no. 6:24-26 N-D '62.

METALS—MEASUREMENT

An inductive transducer for the anisotropy of electrical conductivity of nonmagnetic materials. A. N. Ermakov, Avtom. kont. i izm. tekhn. no. 6:133-138 '62.

METALS—PICKLING

Prospects for the reconditioning of pickling solutions and use of the iron sulfate in the national economy. E. D. Fainberg, Stal' 23 no. 2:179-180 F '63.

METALS—PICKLING—SAFETY MEASURES

Exhaustion of acid vapors from pickling baths. I. F. Druch, Mashinostroitel' no. 1:33 Ja '63.

METALS—TESTING

Dondik, I. G. [Mechanical testing of metals] Mekhanicheskie ispytaniya metallov; spravochnik, Kiev, Izd-vo Akad. nauk USSR, 1962, 226 p.

An inductive transducer for the anisotropy of electrical conductivity of nonmagnetic materials. A. N. Ermakov, Avtom. kont. i izm. tekhn. no. 6:133-138 '62.

METALS—WELDING

Two seminars. N. Manukian, Prom. Arm. 5 no. 12:62-64 D '62.

METALS, EFFECT OF RADIATION ON

Anisotropy of the action of electron and gamma-irradiation on the deformation of zinc single crystals in the brittle state. O. A. Troitskii, V. I. Likhman, Dokl. AN SSSR 148 no. 2:332-334 Ja '63.

METALS, EFFECT OF TEMPERATURE ON

Anomalous temperature dependence of the magnetization of an ordered Ni_2Mn alloy. M. V. Dekhtiar, Fiz. met. i metalloved. 14 no. 6:932-935 D '62.

Changes in certain physical properties of the IU14G3 alloy in the process of heating and after tempering. N. G. Lakhman, B. G. Livshits, Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:147-152 '63.

Correlation between composition and hardness at various temperatures in the system magnesium - cadmium. V. P. Shishokin, L. N. Buzilevskii, Fiz. met. i metalloved. 15 no. 1:76-81 Ja '63.

Electrodeposition of zinc with high electrolyte temperatures. A. A. Solin and others, TSvet, met. 35 no. 12: 13-18 D '62.

Investigating intercrystalline corrosion in the weld metal zone in welded Kh20AN steel. N. I. Kakhovskii and others, Avtom. svar. 15 no. 12:1-8 D '62.

Oxidation and decarburization of steel in flame furnaces with incomplete combustion of natural gas. V. N. Kostikov, A. E. Erinov, Kuz. -shitam, proizv. 5 no. 1:29-33 Ja '63.

Simultaneous effect of heat treatment and external tensile loads on certain properties of polycrystalline zinc. S. Ia. Zaitvadnyi, V. M. Mikhailovskii, A. K. Malik, Fiz. met. i metalloved. 15 no. 1:81-84 Ja '63.

Structural changes in copper depending on low-temperature deformation and subsequent annealing. I. A. Gindin and others, Fiz. met. i metalloved. 14 no. 6: 864-873 D '62.

METALS, GASES IN see Gases in metals

METALS, RARE AND MINOR—ANALYSIS

Seminar on new methods of analysis of raw ores containing rare metals. K. S. Pakhomova, Zav. lab. 29 no. 3: 381 '63.

METALS, SUBSTITUTES FOR

Kon'kov, A. S., ed. [Economy of metals in the machinery industry] Ekonomiya metallov v mashinostroenii. [By] M. F. Balzhil' dr. Moskva, Mashgiz, 1962, 235 p. Metal substitutes. A. Pozdnev, Rech. transp. 22 no. 1:24 Ja '63.

METALS AT HIGH TEMPERATURES

Apparatus for mechanical testing at temperatures up to 2000° C. N. I. Mikheev and others, Zav. lab. 29 no. 3: 371-375 '63.

Apparatus for tensile testing of refractory metals at high temperatures in a vacuum. E. M. Savitskii, V. P. Vinokurov, Zav. lab. 29 no. 3:378-379 '63.

Effect of fusible coatings on the mechanical properties of metals following cyclic heat treatment. P. D. Novokreshchenov, N. V. Savchenko, Dokl. AN SSSR 148 no. 2:328-331 Ja '63.

Methods and testing machines used for studying the mechanical characteristics of materials at high temperatures. G. S. Pisarenko, Zav. lab. 29 no. 3: 384-370 '63.

"Methods of high temperature mechanical testing of metals," by A. M. Borzdyka, Reviewed by I. P. Buligin, Zav. lab. 29 no. 3:382 '63.

[Strength of ceramic metals and alloys at normal and high temperatures] Prochnost' metallokeramicheskikh materialov i spлавov pri normal'nykh i vysokikh temperaturakh, [By] G. S. Pisarenko i dr. Kiev, Izd-vo Akad. nauk USSR, 1962, 274 p.

METALS AT HIGH TEMPERATURES—CONGRESSES

Conference on experimental technique and methods of high-temperature measurements. V. T. Burtsev. *Zav. lab.* 29 no. 3:380 '63.

METALS AT LOW TEMPERATURES

The structure of steel following low-temperature thermo-mechanical treatment. V. A. Antonova, L. M. Utevskaia. *Dokl. AN SSSR* 148 no. 2:325-327 Ja '63.

METALWORK

(see also subdivision under Pavlodar)

Soveshchanie po novym protsessam obrabotki metallov dviženiem, Moscow, 1960. [Conference on new processes for the pressure working of metals. Materialy] Moskva, Izd-vo Akad. nauk SSSR, 1962. 186 p.

METAMORPHIC FUNCTIONS

Use of the theorem of integral residues in the case of a multiple-pole Laplace transform. B. I. Blazhkevich, L. G. Kompanets. *Avtom. kont. i izm. tekhn.* no. 6:7-10 '62.

METAMORPHISM (GEOLOGY)

(see also subdivision under Laba Valley; Podkamennaya Tunguska Valley)

Paleomorphism of sedimentary rocks. *Trudy SNIIGGIMS* no. 13:57-64 '60.

METASOMATISM

(see also subdivision under Krivoy Rog Basin; Kursk Magnetic Anomaly; Ural Mountain region)

Determination of the quantitative change of a substance in metasomatic processes. V. A. Rudnik. *Zap. Vses. min. ob-va* 61 no. 6:693-699 '62.

Metasomatic zonality in one of the nephrite deposits of the Eastern Sayan. I. U. N. Kolesnik. *Dokl. AN SSSR* 147 no. 5:1175-1178 D '62.

Some metasomatic phenomena accompanying the formation of pyroxenite veins in dunites. A. A. Efimov, L. P. Ivanova. *Dokl. AN SSSR* 148 no. 2:427-430 Ja '63.

METEORITES

Tenth All-Union Conference on Meteorites. O. M. Alekseeva, G. V. Smirnova. *Geol. zhur.* 22 no. 6:93 '62.

METEOROLOGICAL INSTRUMENTS

Measurement accuracy of radiation balance by thermoelectric balance meters. K. D. Lebedev, S. I. Sivkov. *Trudy GGO* no. 129:3-30 '62.

Results of testing the new "thermodynamic-graph" device for recording the components of thermal balance. I. U. L. Rozenshtok, L. R. Struzer. *Trudy GGO* no. 129: 51-55 '62.

Using thermoelectric balance meters with a polyethylene filter for measuring the radiation balance. V. P. Bordin. *Trudy GGO* no. 129:146-148 '62.

METEOROLOGICAL STATIONS

Let us visit a meteorological station. A. I. Akovlev, V. Shtal'. *Gruzhd. av.* 19 no. 10:18 O '62.

METEOROLOGY

(see also subdivision under Arctic regions)

Brief news. V. P. Balakhonov and others. *Meteor. i gidrol.* no. 2:61-64 F '63.

Use of the method of similitude and dimension in an analysis of the macrostructure of meteorological fields. St. Panchev. *Izv. AN SSSR, Ser. geofiz.* no. 10:1416-1424 O '62.

METEOROLOGY—BIBLIOGRAPHY see Bibliography—Meteorology

METEOROLOGY—CHARTS, DIAGRAMS, ETC. see subdivision under Leningrad Province

METEOROLOGY, MARITIME

Effect of meteorological conditions on the distance of radar visibility in tropical waters. N. F. Butanov. *Inform. shor. TSNIIMF* no. 60, Sudovozh. i sviaz' no. 15: 18-23 '61.

Measuring the amount of precipitation in the open sea. G. I. Shkoda. *Trudy GGO* no. 129:57-63 '62.

Some characteristics of the construction and utilization of a meteorological radar station on a seagoing ship. G. I. Shkoda. *Trudy GGO* no. 129:64-71 '62.

METEOROLOGY IN AERONAUTICS

All-inclusive radar method of aeronautical meteorological service. E. M. Sal'man. *Trudy GGO* no. 129:24-34 '62.

Flight under difficult meteorological conditions. N. Skripko. *Av. i kosm.* 45 no. 2:6-13 F '63.

Nomogram-rule for weather charts. E. Zhukovskii. *Av. i kosm.* 45 no. 2:52-53 F '63.

METEORS

Simonenko, A. N. [Treatment of meteor photographs] *Otchotka fotografii meteorov*, Moskva, Izd-vo Akad. nauk SSSR, 1963. 38 p.

METHACRYLIC ACID

Synthesis and polymerization of bis and tris (trialkyl-siloxy) tin methacrylate [with summary in English]. K. A. Andrianov, M. N. Ermakova. *Vysokom. soed.* 5 no. 2:217-221 F '63.

Synthesis of copolymers of glycidyl methacrylate with vinyl acetate. M. F. Sorokin, E. L. Khinchina. *Lekokras. mat. i tekhn.* no. 1:10-15 '63.

METHACRYLIC ACID—SPECTRA

Appearance of the crystal structure of isotactic polymethyl methacrylate in infrared absorption spectra. V. N. Nikitin, N. V. Mikhailova. *Dokl. AN SSSR* 148 no. 3:624-626 Ja '63.

METHANE

Bubble chamber filled with a mixture of methyl iodide and propane [with summary in English]. D. Niagu, R. G. Salukvadze. *Trudy Inst. fiz. AN Gruz. SSR* 8:193-195 '62.

Conversion of methane to acetylene in an argon plasma jet. G. V. Guliayev and others. *Dokl. AN SSSR* 148 no. 3:641-643 Ja '63.

Mechanism of the addition of proton to methane. V. M. Volkov, A. A. Levin. *Zhur. strukt. khim.* 4 no. 1: 114-116 Ja-F '63.

METHINECYANINE

Chloro-substituted benzopyrylmonomethinecyanines. A. I. Tolmachev, V. P. Stribanina, L. V. Shecheglova. *Zhur. ob. khim.* 33 no. 2:440-447 F '63.

METHYL GROUP

Migration of the methyl group in a toluene molecule under the effect of aluminum bromide and hydrogen bromide. V. A. Koptug, I. S. Isayev, N. N. Vorozhtsov jun. *Dokl. AN SSSR* 140 no. 1:100-103 Mr '63.

Regeneration of a nickel-chromia catalyst in toluene demethylation. G. N. Maslanskii, G. L. Rabinovich, N. Kh. Avtonomova. *Neftokhimiya* 3 no. 1:94-96 Ja-F '63.

METHYLAMINE

Analysis of mixtures of methylamines and ammonia by liquid partition chromatography. A. I. Dolgina, D. D. Alekseeva. *Zav. lab.* 29 no. 1:22-24 '63.

Synthesis of some derivatives of monoethanolmethylamine. A. F. Nikolaev and others. *Zhur. ob. khim.* 33 no. 2:391-394 F '63.

METRAZOLE

Course of convulsions caused by corazole in rats at different times after exposure to ionizing radiation. T. M. Kucherenko, N. A. Rokotova. *Radiobiologiya* 3 no. 1: 71-75 '63.

METRIC SYSTEM

Introduction of the International Unit System in the U. S. S. R. V. P. Korotkov. *Izm. tekhn.* no. 2:1-4 F '63.

MEZHENKO, IURII ALEKSEEVICH

A life's work. Mikita Shumilo. *V miro knig* 2 no. 10: 45 O '62.

MEZHILAIK, VALERII IVANOVICH, 1893-1938

A faithful son of the party; on the 75th anniversary of V. I. Mezhlauk's birth. F. K. Breslavets. *Vop. ist. KPSS* 7 no. 2:99-100 F '63.

MICA see subdivision under Karet region

MICHURINSK DISTRICT—COLLECTIVE FARMS

Ileshii, B. I., and N. M. Rastrepin. [Source of a mighty torrent; an account of the people and work of the Komin-tent Collective Farm] *Istoki moguchego razliva; raz-skaz o ljudakh i delakh ordena Lenina kollektiva imeni Komintenta*, [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 111 p. (DNAL)

MICROBES see Viruses

MICROBIAL METABOLITES

Isolation and identification of glycerol oxidation products of *Actinomyces aureofaciens* LS-B-16. V. G. Plakunova. *Dokl. AN SSSR* 148 no. 2:445-447 Ja '63.

MICROCLIMATOLOGY

Effect of mountain forests on the microclimate and its importance for the yield of farm crops [in Georgian with summary in Russian]. I. V. Beriazhvili. *Trudy Inst. issa AN Gruz. SSR* 11:77-80 '62.

Leningrad. Glavnaia geofizicheskaja observatorija. [Microclimate of hilly relief and its effect on farm crops] *Mikroklimat kholmistogo rel'efa i ego vliianie na sel'skokhoziaistvennyye kul'tury*. Pod red. I. A. Gal'tsberg. Leningrad, Gidrometeorizdat, 1962. 249 p. (DNAL)

Microclimatic influence of parks in Petropavlovsk. N. I. Anan'ev. *Zdrav. Kazakh.* 22 no. 11:61-64 '62.

MICROCOSM AND MACROCOSM

Space of the microcosm. E. P. Andreev. *Vop. filos.* 17 no. 2:122-131 '63.

MICROFILM SERVICES

Developing the microfilming of archival materials. *Vop. arkh.* 7 no. 3:91 J1-S '62.

"Regulations" of Peter I and the microfilm services of the 20th century. E. A. Bukatin. *Kommunist* 39 no. 4:127-128 Mr '63.

We should reorganize the microfilming of source materials. M. T. Evdokimov. *Vop. arkh.* 7 no. 3:92-93 J1-S '62.

MICROFILMS

Microfilms or micromaps? B. K. Borzin. *Vop. arkh.* 7 no. 3:94-101 J1-S '62.

MICROMETER—TESTING

Device for checking the parallelism of measuring surfaces of flat micrometers. S. I. Isotov. *Izm. tekhn.* no. 2:21-22 F '63.

MICRO-ORGANISMS

Latvijas Padomju Sociālistiskās Republikas Zinātnu akadēmija, Mikrobioloģijas institūts. [Micro-organisms and the environment] *Mikroorganizmi i sreds*, Riga, Izd-vo Akad. nauk Latvijas SSR, 1962. 142 p.

Microflora of plants and soils. T. A. Vasil'eva. *Izv. AN Mold. SSR* no. 7:14-19 '62.

MICRO-ORGANISMS, NITROGEN-FIXING

Bacteria and the harvest. T. A. Kalininskaya. *Priroda* 52 no. 2:125 '63.

MICROPALAEONTOLOGY

(see also subdivision under Russian Platform) Meeting the "lost world." D. Bilenkin. *Znan. sila* 37 no. 12:38-39 D '62.

MICROSCOPY

"Drops of life" by A. N. Studitskii. Reviewed by A. I. Metelkin. *Biol. v shkole* no. 5:91-92 S-O '62.

MICROWAVE COMMUNICATION SYSTEMS

Optimum parameters of television relay stations using radio relay communication lines. E. K. Iodko. *Elektrosvaz'* 17 no. 1:52-63 Ja '63.

MICROWAVE SPECTROSCOPY

Microwave spectrum of the F₂HC - CDHF molecule. I. A. Mukhtarov. *Dokl. AN SSSR* 148 no. 3:566-568 Ja '63.

MICROWAVE TUBES

Contribution to the electronic theory of magnetron-type devices with negative emitting electrode. G. G. Monosov. *Radiotekh. i elektron.* 8 no. 2:248-256 F '63.

MICROWAVES

Characteristics of a plane electronic gap in the presence of an external field of force [with summary in English]. S. B. Mochev. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6: 1174-1174 '62.

Field structure of a coaxial line consisting of a metal pipe in which is placed a coaxial hollow cylinder. N. D. Kozhev. *Radiotekhnika* 18 no. 1:18-22 Ja '63.

Interaction of electrons with the field of a TEM standing wave at large transient angles [with summary in English]. B. G. Eremin, M. A. Miller. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6:1151-1159 '62.

A more accurate form of the averaged equation of motion of charged particles in the field of a standing electromagnetic wave [with summary in English]. *Izv. vys. ucheb. zav. radiofiz.* 5 no. 6:1160-1170 '62.

Operation of a "through" amplifier with negative conductance in microwave and optical frequency ranges. I. V. Lebedev, V. V. Lebedeva. *Radiotekh. i elektron.* 8 no. 2:221-230 F '63.

Our consultations. *Radio* no. 2:60-61 F '63. Possibilities of the evaluation of the noise of microwave amplifiers with a self-excitation network. V. A. Dvinskikh. *Radiotekh. i elektron.* 8 no. 2:344-346 F '63.

MIGRATION, INTERNAL

"Colonization of the Yenisey Government in the epoch of capitalism" by V. A. Stepyanin. Reviewed by F. G. Safronov. *Vop. ist.* 38 no. 2:141-143 F '63.

MIKHAYLOVSKAYA VIRGIN STEPPE PRESERVE—SEED PRODUCTION

Seed production of some steppe plants in Mikhaylovskaya Virgin Steppe Preserve [with summary in English]. Z. A. Sarycheva. *Ukr. bot. zhur.* 19 no. 8:82-91 '62.

MIKHAYLOVSKAYA VIRGIN STEPPE PRESERVE—STEPPE FLORA

Seed production of some steppe plants in Mikhaylovskaya Virgin Steppe Preserve [with summary in English]. Z. A. Sarycheva. *Ukr. bot. zhur.* 19 no. 8:82-91 '62.

MIKLUKHA-MAKLAI, NIKOLAI NIKOLAEVICH, 1848-1888

Documentary materials on N. N. Miklukha-Maklai in an Australian library. I. Solov'ev. *Ist. arkh.* 8 no. 6: 191 N-D '62. Documents on N. N. Miklukha-Maklai. I. Solov'ev. *Izv. AN SSSR, Ser. geog.* no. 1:108 Ja-F '63.

MIKRIUKOV, VASILII EMEL'IANOVICH, 1904-1962

Vasilii Emel'ianovich Mikriukov; an obituary. *Vest. Mosk. un. Ser. 3. Fiz., astron.* 17 no. 2:94-95 Mr-Ap '62.

MILI STEPPE see Kura Lowland

MILITARISM see subdivision under Germany, West

MILITARY AIRPLANES see Airplanes, Military

MILITARY ART AND SCIENCE

Tumas, V. A. [Control of small units in modern battle; company, platoon, squad] *Upravlenie podrazdeleniyami v sovremennom boiu* (rola, vzvod, oddelenie). Moskva, Voenizdat, 1962. 90 p.

What can cause an army to panic and how it can be prevented. I. Kolesnichenko. *Voen. ist. zhur.* vol. 5 no. 1: 46-59 Ja '63.

MILITARY ART AND SCIENCE—BIBLIOGRAPHY see Bibliography—Military art and science

MILITARY DISCIPLINE

Firmly instill and support military regulations.
A. Medvedev. Komm. Vooruzh. Sil 3 no. 23:29-34 D '62.
Observe Soviet military discipline strictly. S. Ivanov.
Komm. Vooruzh. Sil 3 no. 23:73-78 D '62.

MILITARY EDUCATION

(see also subdivision under Kuybyshev Province)
Committees to work with the public. A. Skomorokhov.
Komm. Vooruzh. Sil 3 no. 2:67-68 Ja '63.
Everything that's new and advanced in combat training practice. Komm. Vooruzh. Sil 3 no. 2:3-7 Ja '63.
Give better help to the commanders in organizing competition. N. Parshutin. Komm. Vooruzh. Sil 3 no. 2:62-66 Ja '63.
Let's have the straight truth! A. Khorev. Komm. Vooruzh. Sil 3 no. 2:57-60 Ja '63.
Making the propaganda of military technology effective. A. Zhivchikov. Komm. Vooruzh. Sil 3 no. 2:34-37 Ja '63.
Moral purity of the Soviet fighting man. K. Palusov. Komm. Vooruzh. Sil 3 no. 2:49-54 Ja '63.
So that the beacons might shine on all... P. Grushin. Komm. Vooruzh. Sil 3 no. 23:52-55 D '62.
Working with soldiers who are not Russian. M. Kolmakov. Komm. Vooruzh. Sil 3 no. 2:55-57 Ja '63.

MILITARY ENGINEERING—DICTIONARIES

Volodin, N. V., comp. [English-Russian military engineering dictionary; some 33,000 words] Anglorusskii voenno-inzhenernyi slovar'. Okolo 33,000 terminov. Moskva, Voenizdat, 1962. 783 p.

MILITARY HISTORY—BIBLIOGRAPHY see Bibliography—Military history

MILITARY MUSEUMS

(see also subdivision under Leningrad)
Days of revolutionary traditions. L. Vorontsov. Klub 11 no. 5:37 My '62.

MILITARY RADIO see Radio, Military

MILITARY SERVICE, COMPULSORY

Meeting of N. G. Zaglada with conscripts. G. Ezhkov. Komm. Vooruzh. Sil 3 no. 23:56 D '62.

MILITARY UNIFORMS see Uniforms, Military

MILK

(see also subdivision under Moscow)
Toxicity of the milk of highly productive cows with an acute form of a metabolism disorder. A. M. Silaev. Trudy VIEV 28:193-197 '62.

MILK—ANALYSIS AND EXAMINATION

Determining the fat content of cow's milk during the lactation period by one to three analyses. G. Stov'eva. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:267-269 '62.

MILK—COMPOSITION

Content of fat and protein in cow's milk on the "Razdol'e" Training Farm. A. Bondarenko. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:271-272 '62.

MILK, DRIED

Automatic vacuum evaporating unit. A. V. Gavrilin. Mekh. i avtom. proizv. 17 no. 1:16-19 Ja '63.

MILKING

Consolidated time rates and prices for the construction of milking platforms according to a herringbone arrangement. Tekh. v sel'khoz. 22 no. 12:84-83 D '62.
Effect of environmental factors and the period of lactation on the letting down of milk in cows. A. K. Shvabe, L. V. Kulikov. Zhivotnovodstvo 23 no. 5:79-84 My '61.

MILKING—BIBLIOGRAPHY see Bibliography—Milking

MILKING MACHINES see subdivision under Ukraine

MILLERITE see subdivision under Yakutia

MILLET see subdivision under Kalta District

MILLINERY see subdivision under Moscow

MILLING MACHINERY

Some problems of rheology and grinding of fibrous vegetable materials. N. I. A. Solechnik, V. P. Alikin. [Trudy] NTO bum. i der. prom. no. 8:144-169 '59.

MILLING MACHINES

The LF-23 copying milling machine for machining dies. G. A. Monakhov, I. A. Sukhov. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:35-37 '63.
Machine for milling radial grooves. V. S. Tikhonov. Mashinostroitel' no. 1:27 Ja '63.
Ogloblin, A. N. [Handbook for milling-machine operators] Spravochnik trezovshchika. Izd. 2., perer. i dop. Moskva, Mashgiz, 1962. 446 p.
Planetary milling head. V. I. Vydrych, V. P. Rusak. Mashinostroitel' no. 1:24 Ja '63.
The 66 10FR plano-milling machine with milling and boring heads. L. N. Steiman. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:33-35 '63.

MILLING MACHINES—ATTACHMENTS

Attachment for milling cylinder heads. E. Molchanov. Avi. transp. 41 no. 1:55-56 Ja '63.
Universal attachment with the use of hydroplastics. F. G. Mekarov. Mashinostroitel' no. 1:30 Ja '63.

MILLING MACHINES—NUMERICAL CONTROL

2GF-730 program-controlled milling machine. P. I. Zhdankin. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:39-40 '63.

MINASIAN, MINAS ARTEMOVICH, 1903-

On the occasion of the sixtieth birthday of M. A. Minasian. Masl. -zhir. prom. 29 no. 1:46-47 Ja '63.

MINE ACCIDENTS

(see also subdivision under Krivoy Rog Basin)
Sudden rock caving during the sinking of a mine shaft. A. M. Sointsev. Bezop. truda v prom. 7 no. 1:9-11 Ja '63.

MINE BUILDINGS

(see also subdivision under Donets Basin)
Belozovich, I. M., and S. A. Epshtein. [Materials and products for the construction of mines] Materialy in izdellia dlia stroitel'stva gornyykh predpriyatiy; apravoch-noe posobie. Moskva, Gosgortekhnizdat, 1962. 269 p.
Construction of a tower headframe. E. Bondarenko. Stroitel' arkhitekt. 10 no. 2:17-18 F '62.
Progressive types of mine buildings. S. Bagmut. Stroitel' arkhitekt. 10 no. 2:14-16 F '62.

MINE COMMUNICATIONS

Change in the location of contact springs in TASH-53 mine telephones. Ugol', prom. no. 6:81 N-D '62.

MINE DRAINAGE

Automatic control of a ventilation and drainage apparatus. M. D. Filchenkova, A. V. Zlodzeev. Ugol', prom. no. 6:48-53 N-D '62.

MINE DUSTS

Effect of the fracturing of anthracites on the yield of culma. G. S. Kal'chik. Trudy Inst. gor. dela AN URSR no. 11:47-52 '62.

Efficient sprinkler system for mines. V. V. D'yakov, A. I. Korzun, I. U. A. Chudov. Gor. zhur. no. 2:63-66 F '63.
Grebennik, B. I., and L. S. Krivosheev. [Measures for dust control in underground mining and prospecting] Mery bor'by s rudnoi i porodnoi pyl'yu pri prokhodke podzemnykh geologorazvedochnykh vyrabotok. Izd. 2. Moskva, Gosgeoltekhizdat, 1962. 109 p.

MINE DUSTS—PREVENTION see subdivision under Lugansk Province

MINE DUSTS—SAFETY MEASURES

Dust control of the working area of a longwall during the operation of the KTST cutter-loader. D. I. Zaslavnov, M. G. Karabanov, I. P. Zhigul'skii. Bezop. truda v prom. 7 no. 2:24-25 F '63.

MINE EXPLOSIONS

History of the discovery of the Davy's lamp. I. A. P. Stradyn'. Trudy Inst. int. est. i tekhn. 39:66-76 '62.
Methane explosion in a vertical shaft heading. G. V. Nenarokov. Bezop. truda v prom. 7 no. 2:9-10 F '63.

MINE FIRES

Fire extinction over a hard heading. P. P. Polykh. Bezop. truda v prom. 7 no. 2:8 F '63.

MINE FIRES—SAFETY MEASURES

Quality of mine brattices. P. G. Molotkov. Gor. zhur. no. 2:88-88 F '63.

MINE GASES

Conference on the degassing of coal beds. V. F. Manevich. Bezop. truda v prom. 7 no. 2:38 F '63.
Gas conditions in coal mines and the classification of mines by gas concentration. K. A. Efremov. Bezop. truda v prom. 7 no. 2:4-6 F '62.
Length of the process of the upper layer on the protection from sudden outbursts of coal and gas. I. M. Pechuk. Trudy Inst. gor. dela AN URSR no. 11:27-31 '62.

MINE GASES—MEASUREMENT see subdivision under Lvov-Volyn' Basin

MINE HAULAGE

(see also subdivision under Donets Basin)
For perfect organization of underground transportation in mines. A. T. Feoktistov, M. F. Shubnikova. Bezop. truda v prom. 7 no. 1:19-20 Ja '63.
Moscow, Vsesoyuznyi tsentral'nyi proektnyi institut po proektirovaniu shakhtnogo stroitel'stva kamennougol'noi promyshlennosti. [Standard plans for mine development and transportation systems] Tipovye proekty sistem razrabotki i transporta na kar'erakh. Pod obshchey red. N. V. Mel'nikova. Moskva, Gosgortekhnizdat.

Vol. 2. [The transportation system in mine development; the justification and calculation of standard layouts, elements, and technical and economic indices] Transportnaya sistema razrabotki; obosnovaniya i raschety tipovykh skhem, elementov i tekhniko-ekonomicheskikh pokazatelei, 1962. 462 p.

Present status and future development of automotive transportation in mines. M. V. Vasil'ev. Avi. prom. 29 no. 2:4-7 F '63.

MINE HAULAGE—EQUIPMENT AND SUPPLIES

New equipment for mine haulage. B. I. Lserov, V. I. Chubarov. Bezop. truda v prom. 6 no. 11:11-13 N '62.
Self-propelled cars from the Goodman Firm for thin and medium seams. Ugol', prom. no. 6:00-01 N-D '62.

MINE HAULAGE—SAFETY APPLIANCES see subdivision under Lugansk Province

MINE HAULAGE—SAFETY MEASURES see subdivision under Ukraine

MINE HOISTING

Natural winding rate of ropes on the drums of hoists and winches. V. A. Ponomarenko. Sbor. DonUGI no. 23:170-175 '62.
The UKP-UECHM equipment for automatic control of cage hoists. V. N. Pelipenko, R. A. Khmel'nitskii. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:10-11 '63.

MINE HOISTING—ELECTRIC EQUIPMENT

Series of blastproof electric apparatuses for automating the loading part of a skip hoist. M. I. Stolbun, R. S. Gelladov. Ugol', prom. no. 6:44-48 N-D '62.

MINE HOISTING—SAFETY APPLIANCES

Device for preventing the tipping of cages. I. A. Veli-kovskii. Bezop. truda v prom. 6 no. 11:28-30 N '62.

MINE INSPECTION see subdivision under Ukraine

MINE MANAGEMENT

Vsesoyuznaya mekhnizovskaya nauchnaya konferentsiya na temu: "Puti povysheniya proizvoditel'nosti gornyykh predpriyatiy," 1960. [Transactions of the All-Union Interuniversity Conference held on October 1960 on the subject: "Ways of increasing productivity in mining"] Sbornik trudov. [Moskva] Vysshaya shkola, 1962. 517 p.

MINE RAILROADS

Basic resistance to movement of the cars of a train. A. A. Rengevich. Sbor. DonUGI no. 23:117-142 '62.
Power consumption and battery discharge conditions in using accumulator electric locomotives for haulage. A. A. Rengevich, M. K. Melchoda. Sbor. DonUGI no. 23:154-160 '62.

Study of the use of calculating machines in regulating movement in open-pit haulage. A. V. Gudkov, A. D. Shkol'nikov. Gor. zhur. no. 2:46-48 F '63.

MINE RAILROADS—BRAKES

Time for preparing to stop electric mine locomotives. A. A. Rengevich, V. V. Klimov. Sbor. DonUGI no. 23:143-153 '62.

MINE RAILROADS—CARS

(see also subdivision under Minnesota)
Stand for mounting the manipulator on a car. A. A. Bablants, A. F. Kurapov. Shakht. stroit. 7 no. 1:26 Ja '63.

MINE RAILROADS—EQUIPMENT AND SUPPLIES

(see also subdivision under Donets Basin)
Industrial tests of an experimental set of TKP-2 pushers. V. A. Ponomarenko, M. S. Pavlov, I. S. Gorelik. Sbor. DonUGI no. 23:190-190 '62.
Standardized automatic dumper with a vibrating cleaner. A. S. Serebriakii. Ugol', prom. no. 6:40-44 N-D '62.

MINE RAILROADS—SWITCHES

Switching cars in mining single-track and double-track workings. M. S. Pavlov. Sbor. DonUGI no. 23:162-169 '62.

MINE ROOF BOLTING

Analytical determination of the bearing capacity of expansion shells and plugs of slot-and-wedge bolting. L. N. Repnikov. Shakht. stroit. 7 no. 1:16-17 Ja '63.
Checking and measuring devices for rod bolting. I. I. Kuznetsov. Bezop. truda v prom. 6 no. 11:19-20 N '62.
Use rod bolting more widely. K. I. Mironov. Bezop. truda v prom. 7 no. 1:32-33 Ja '63.

MINE SAFETY see subdivision under Lugansk Province

MINE SURVEYING

Instrument observations for the opening of the planned profile of a mine. P. I. Minin. Shakht. stroit. 7 no. 1:23-25 Ja '63.

MINE TIMBERING

(see also subdivision under Donets Basin)
Temporary timbering in longwalls on medium depth beds. I. V. Berdugin. Bezop. truda v prom. 6 no. 11:23 N '62.

MINE TIMBERING—COST see subdivision under Donets Basin

MINE TIMBERING—EQUIPMENT AND SUPPLIES see subdivision under Donets Basin

MINE TIMBERING—TESTING

Testing experimental sections of the support of the AKD unit. S.I. Panasenko and others. Ugol', prom. no. 6: 54-57 N-D '62.

MINE VENTILATION

(see also subdivision under Krivoy Rog Basin)

Periodic aeration of rocks and its practical value. V.D. Kireev. Izv. AN SSSR, Ser. geofiz. no. 1:152-155 Ja '63.

Quality of mine brattices. P.G. Molotov. Gor. zhur. no. 2:66-68 F '63.

Raskin, I.A., S.I. Kalish, and V.I. Matveev. [Installation, adjustment and operation of fans in mines] Montazh, naladka i ekspluatatsiya shakhtnykh ventilatorov. Moskva, Gosgortekhzdat, 1962. 206 p.

Ventilation of shielded working faces in steep seams of the Donetsk Basin. A.F. Vozilov and others. Trudy Inst. gor. dela AN URSR no. 11:53-65 '62.

MINE VENTILATION—EQUIPMENT AND SUPPLIES

Fire- and bacteria-resistant materials for mine ventilation pipes. L.F. Motina, I.V. Plotnikov, S.A. Pavlov. Nauch.-issl. trudy VNIPIK no. 12: 30-35 '60.

New indicators for determining the depression and consumption of air. V.A. Panasenko. Ugol', prom. no. 6:66-67 N-D '62.

MINERAL INDUSTRIES

"Geography of the mining industry of the capitalist world" by M.S. Rozin. Reviewed by V.M. Gokhman. Izv. AN SSSR, Ser. geog. no. 1:145-147 Ja-F '63.

MINERAL INDUSTRIES—PRODUCTION STANDARDS

"Planning and introducing the technical production standards in mines." Reviewed by N. Gapeev, A. Zozulina. Sots. trud 7 no. 6:155-158 Je '62.

MINERAL OILS

An accelerated method for determining the acidity and the acid number of fresh and spent mineral oils. V.A. Ivanova and others. Teploenergetika 10 no. 2:90 F '63.

MINERAL WATERS

(see subdivision under Berezhovka (Khar'kov Province); Caucasus; Krasnoyarsk Territory; Tajikistan; Transcarpathia)

MINERAL WATERS—ANALYSIS

(see subdivision under Dzhumgal'skiy District; Ural Mountains)

MINERAL WOOL

Preparation of heat-insulating plastics based on mineral and glass wool. K.E. Goriainov. Plast. massy no. 1:38-43 '63.

MINERALOGICAL CHEMISTRY

Determination of the magnitude of random errors in chemical analysis of geological samples. V.I. Titov, E.P. Osiko, E.A. Antonova. Zav. lab. 29 no. 3: 316-321 '63.

"Quantitative microchemical analysis of minerals and ores"; practical guide. By I.P. Alimarin, B.I. Frid. Reviewed by A.P. Kreshkov. Zhur. anal. khim. 17 no. 9:1122 D '62.

Relation of oxygen activity, acidity, and reduction potential in endogenous mineralization. D.S. Korzhinskii. Izv. AN SSSR, Ser. geol. 28 no. 3:54-62 Mr '63.

MINERALOGY

(see also subdivision under Akhtala region, Armenia; Uzbekistan; Vorkhoyansk Range; Vilyuy Lowland)

Borger, G.S., and I.A. Efimov. [Methods of separating monomineralic fractions] Metody vydeleniya monomineral'nykh fraktsii. Alma-Ata, 1961. 164 p. (Alma-Ata, Kazakhskii nauchno-issledovatel'skii institut mineral'nogo syr'ya. Trudy, no. 4)

Concerning the term "stage of mineralization" [with summary in English]. Z.A. Obraztsova. Vest. LGU 17 no. 24:57-64 '62.

Professor J. Viard's lecture on results of mineralogical studies. K.M. Feodorov. Izv. AN SSSR, Ser. geol. 28 no. 3:116-117 Mr '63.

MINERALOGY—STUDY AND TEACHING

Textbooks on mineralogy by E.K. Lazarenko. V.P. Petrov, A.S. Povarennykh. Izv. AN SSSR, Ser. geol. 28 no. 1:109-113 Ja '63.

MINERALOGY, DETERMINATIVE

Kuznetsov, E.A. [Method of comparative birefringence dispersion; a new method for analyzing the chemical composition of crystalline substances] Metod sravnitel'noi dispersii dvupromennosti; novyi metod analiza khimicheskogo sostava kristallicheskikh veshchestv. Pod red. S.D. Chetverikova. Moskva, Gosgeoltekhizdat, 1962. 103 p.

MINERALS

(see subdivision under Kola Peninsula; Kukkilyal; Siberia)

MINERALS—TESTING

(see subdivision under Kurusay region)

MINERALS IN FOOD

Mineral substances and vitamins in the food rations of the population of Transcarpathian goat herd [with summary in English]. V.M. Meshchenko and others. Vrach. delo no. 11:61-63 N '62.

MINERALS IN THE BODY

Mineral composition of the blood sera of cattle in the dynamics of the paratubercular process. T.G. Nigmatullin. Trudy VIEV 26:107-114 '62.

MINERS—DISEASES AND HYGIENE

Chronic traumatic bursitis in miners. V.M. Sokol'skii. Klin. khir. no. 12:20-24 D '62.

MINERS—EDUCATION AND TRAINING

Four-year vocational and technical schools. V. Nazarov, N. Khaikin. Prof.-tekh. obr. 20 no. 2:3 F '63.

Let's strengthen our friendship with graduates. V. Fomin. Prof.-tekh. obr. 19 no. 12:22 D '62.

MINES AND MINERAL RESOURCES

(see also subdivision under East Kazakhstan Province)

Complete utilization of mineral resources. I.N. Plaksin. Vest. AN SSSR 33 no. 2:51-55 F '63.

Grin, M.F. [Hidden treasures of "old" regions] Klady "starykh" rayonov. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, XII Seriya; Geologiya i geografiya, no. 4)

MINES AND MINERAL RESOURCES—SAFETY MEASURES

Galadzhil, F.M. [Safety measures in mine blasting] "Bezopasnost' vzryvnykh rabot v shakhtakh. Moskva, Gosgortekhzdat, 1962. 133 p.

MINGECHAUR—BURIAL

About one group of sepulchral monuments in Mingechaur [in Azerbaijani with summary in Russian]. I.G. Narimanov, G.M. Aslanov. Mat. kul't. Azerb. 4:217-249 '62.

MINGECHAUR—SWINE, FOSSIL

Domestic swine in ancient Mingechaur. N.A. Alekperova. Mat. kul't. Azerb. 4:250-260 '62.

MINGRELIAN LANGUAGE—HISTORY

Kapanislian, G.A. [Interrelation between the Armenian and the Laz-Mingrelian languages] O vzaimootnoshenii armianskogo i laz-mingrel'skogo yazikov. [Erevan] Akad. nauk Armianskoi SSR, 1962. 48 p. (MII)

MINIATURE PAINTING, ARABIC

Miniatures of the "Makam" al-Khariri Leningrad manuscript 5 23 in the Institute of Asian Peoples, Academy of Sciences of the U.S.S.R. V.A. Krachkovskaya. Uch. zap. LGU no. 306:171-104 '62.

MINING ENGINEERING

(see also subdivision under Karaganda Basin; Krivoy Rog Basin; Moravia; Zyrvanovsk District) Babankin, F.S. [Practical photography in geological surveys and mining engineering] Prakticheskaya fotografira v geologorazvedochnom i gornom dele. Moskva, Gosgortekhzdat, 1962. 200 p.

Basic means of lowering rock pressure in workings of the draw horizon. N.A. Pgorov. Trudy Inst. gor. dela AN URSR no. 11:82-88 '62.

Improve the leadership in constructing mining enterprises. Shkht. stroi. 7 no. 1:1-2 Ja '63.

Kozin, I.V., A.S. Minevich, and Kh. Kh. Al'tshuler. [Economic effectiveness of automation in the mining industry] Ekonomicheskaya effektivnost' avtomatizatsii v gornoi promyshlennosti. Moskva, Gosgortekhzdat, 1963. 251 p.

Kucheravii, F.I., M.F. Drukovanii, and I.V. Gaek. [Short delay blasting in open-cut mines] Korotkozamdelnoe vzryvanie na kar'erakh. Moskva, Gosgortekhzdat, 1962. 228 p.

Regulations for the coordination of the protection of railroads in undermined areas. I.V. Zherebtsov. Bezop. truda v prom. 7 no. 2:39 F '63.

Sliding pneumatic trap door. G.I. Shumlevich. Bezop. truda v prom. 7 no. 1:29 Ja '63.

Sharp creep during underground mining of ferruginous quartzite. V.A. Chistov. Bezop. truda v prom. 8 no. 11:24-25 N '62.

Volotkovskii, S.A., and others. [Technical means for automation of the mining industry] Tekhnicheskie sredstva avtomatiki v gornoi promyshlennosti. Pod obshch. red. S.A. Volotkovskogo. Moskva, Gosgortekhzdat, 1962. 331 p.

Vsesoyuznaya mezhvuzovskaya nauchnaya konferentsiya na temu: "Puti povysheniya proizvoditel'nosti gornykh predpriyatiy." 1960. [Transactions of the All-Union Interuniversity Conference held on October 1960 on the subject: "Ways of increasing productivity in mining"] Sbornik trudov. [Moskva] Vysshaya shkola, 1962. 517 p.

Ways of speeding up the construction of pits and mines. S.N. Shalaev. Gor. zhur. no. 2:3-5 F '63.

MINING ENGINEERING—ABSTRACTS

[Mining] Ref. zhur.: Gor. delo no. 2 F '63.

MINING ENGINEERING—BIBLIOGRAPHY

(see Bibliography—Mining engineering)

MINING ENGINEERING—EQUIPMENT AND SUPPLIES

Maldan, D.S., and others. [Mechanization and automation of production processes in mining] Mekhanizatsiya i avtomatizatsiya proizvodstvennykh protsessov na rudnikakh. Moskva, Gosgortekhzdat, 1962. 320 p.

MINING ENGINEERING—HYGIENIC ASPECTS

(see subdivision under Nizhny Tagil)

MINING ENGINEERING—LABOR PRODUCTIVITY

(see subdivision under Noril'sk region)

MINING ENGINEERING—SAFETY MEASURES

(see subdivision under Ural Mountain region)

MINING ENGINEERING—TECHNOLOGICAL INNOVATIONS

From the suggestions submitted in competition. F.I. Pilipchenko. Ugol', prom. no. 6:75-81 N-D '62.

MINING GEOLOGY—BIBLIOGRAPHY

(see Bibliography—Mining geology)

MINING MACHINERY

(see also subdivision under Lvov-Volyn' Basin; United States)

BMP1 machine. Shakht. stroi. 7 no. 1:4 of cover Ja '63.

Recent trends in developing highly efficient excavators and loaders. G.V. Rodionov and others. Gor. zhur. no. 2:43-46 F '63.

UP-2m loader. Shakht. stroi. 7 no. 1:4 of cover Ja '63.

Using a self-propelled platform in upraising through hard rocks. V.N. Glazunov and others. Gor. zhur. no. 2: 31-34 F '63.

MINING MACHINERY—ABSTRACTS

[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur.: Gor., stroi. i dor. mashinost. nos. 1-3 Ja-Mr '63.

MINING MACHINERY—ELECTRIC DRIVING

Electric drives and automatic control in the mining industry. N.A. Kiklevich, A.A. Ivanov, B.S. Belovikov. Elektrichestvo no. 1:84-91 Ja '63.

MINING MACHINERY—EXHIBITIONS

At the Exhibition of the Achievements of the National Economy. Gor. zhur. no. 2:52-54 F '63.

MINING MACHINERY—TECHNOLOGICAL INNOVATIONS

Inventions. Gor. zhur. no. 2:74-75 F '63.

MINING MACHINERY—TESTING

Breaking rocks with freely rotating wedge-shaped rollers. L.I. Baron, S.L. Zagorskii, B.M. Logunov. Shakht. stroi. 7 no. 1:8-12 Ja '63.

Industrial testing of the PP-1 mining unit. L.I. Viatkin and others. Gor. zhur. no. 2:27-30 F '63.

MINKS see subdivision under Kama Valley; Ural Mountain region; Volga Valley

MINNESOTA—MINE RAILROADS—CARS

Automatic dumping of railroad cars loaded with pellets (from "Engineering and Mining Journal," no. 7, 1962). L.N. Voronin. Gor. zhur. no. 2:70-71 F '63.

MINSK—AERIAL SPORTS

Thus records are broken. I. Zharkovskii. Kryn. rod. 13 no. 12:7-8 D '62.

MINSK—AUTOMOBILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

The life of a well-educated specialist. B. Ustinov. Belarus' 20 no. 2:12-13 F '63.

MINSK—BUILDINGS, PREFABRICATED

Experimental construction of a dwelling from prefabricated room-units in Minsk. Blul. stroi. tekhn. 20 no. 2:37 F '63.

MINSK—CHESS CLUBS

From the first amateurs to renowned masters. IA. Kamnietekii. Belarus' 20 no. 2:32 F '63.

MINSK—LABOR AND LADDERING CLASSES—DWELLINGS

In a new residential block. M. Savich. Belarus' 20 no. 2:1 F '63.

MINSK—WAGES—BRICK INDUSTRY

Wages based on the finished product. V. Luk'ianov. Sots. trud 7 no. 12:108-110 D '62.

MINT (BOTANY)

Variability of chemical characters in Mentha sachalinensis. Report No. 2: Variability in free transpollination. A.G. Nikolaev, N.I. Shikhina. Trudy po khim. prirod. soed. no. 3:67-64 '60.

Variability of chemical characters in Mentha sachalinensis. Report No. 3: Variability in self-pollination. A.G. Nikolaev, L. Galanova. Trudy po khim. prirod. soed. no. 3:121-127 '60.

Variability of chemical characters in Mentha sachalinensis. Report No. 4: Variability in propagation by seeds. A.G. Nikolaev. Trudy po khim. prirod. soed. no. 3:11-26 '60.

MINUSINSK BASIN—AGRICULTURAL GEOGRAPHY

Agricultural regions of the Minusinsk Basin. D.A. Golovkin. Sib. geog. sbor. no. 1:77-84 '62.

- MINUSINSK BASIN—BRACHIOPODA, FOSSIL**
Alekseeva, R. E. [Devonian *Atrypa* of the Kuznetsk and Minusinsk Basins and the eastern slope of the Northern Urals] Devonskie nripidy Kuznetskogo i Minusinskogo bassel'nov i vostochnogo sklonu Severnogo Urala. Moskva, Izd-vo Akad. nauk SSSR, 1962. 195 p. tables.
- MIRACLES**
Miracles without miracles. Komm. Mold. 7 no. 5:70 My '62.
- MIRNYI (YAKUTIA)—DIAMOND MINES AND MINING**
Price of one carat. Nikolai Korotsev. Vokrug sveta no. 11:38-41 N '62.
- MIRNYI STATION, ANTARCTICA—RADIO**
Long-distance radio communication conditions in Mirnyy. I. I. Petrov. Inform. biul. Sov. antark. eksp. no. 33:44-45 '62.
- MIRONOVKA—BRICK INDUSTRY**
From a seasonal plant to an enterprise operating the year round. I. Sirosh. Sil', bud. 13 no. 2:17-18 F '63.
- MITES** see subdivision under Chu Valley; Siberia, Western; Talas Valley
- MITOCHONDRIA**
Effect of X-ray irradiation on the ultraviolet fluorescence of isolated nuclei and mitochondria. G. M. Barenboim, R. I. Pinto, K. I. Pravdina. Radiobiologiya 3 no. 1:8-12 '63.
- MITRAL VALVE—CALCIFICATION**
Diagnosis of mitral valve calcifications and the surgical tactics in them. E. F. Zelenko, I. U. N. Mokhtuk. Klin. khir. no. 11:40-45 N '62.
- MITRAL VALVE—DISEASES**
Blood gases and some hemodynamic indices in mitral stenosis. V. E. Dashkovskii. Vrach. delo no. 1:40-43 Ja '63.
Evaluation of puncture of the atrium sinistrum in the diagnosis of defects of the mitral valve. N. I. Mokrik. Klin. khir. no. 11:45-49 N '62.
Systolic murmur in mitral stenosis. R. I. Mikunis, N. M. Shevchenko, T. N. Lipnitskii. Vrach. delo no. 1:125-127 Ja '63.
- MITRAL VALVE—SURGERY**
Radioscopic diagnosis of mitral stenosis and juxtaposition of X-ray data on patients following commissurotomy. I. L. Arabel. Vop. rent. i onk. 8:29-38 '61.
- MIXING MACHINERY—LUBRICATION**
Mechanization and automation of the lubrication of packing systems for rubber mixers. B. I. Mukhin. Kauch. i rez. 22 no. 2:47-48 F '63.
- MOCK ORANGE** see subdivision under Tashkent
- MODELS, FASHION** see subdivision under Japan
- MODELS AND MODELMAKING**
Problems of modelmaking and the theory of similarity. V. A. Venkov. Vest. vyz. shkoly 21 no. 2:50-56 F '63.
- MODERN ARCHITECTURE** see Architecture, Modern
- MODERN GEOMETRY** see Geometry, Modern
- MODERN HISTORY** see History, Modern
- MOSSBAUER EFFECT**
Study of organotin compounds by the method of Mossbauer resonance absorption of γ -quanta. A. I. U. Aleksandrov and others. Dokl. AN SSSR 148 no. 1:126-128 Ja '63.
- MOGILEV—MEDICAL SOCIETIES**
One hundred years in the service of our people. N. Baravaia. Belarus' 20 no. 2:26 F '63.
- MOGILEV PROVINCE—AGRICULTURE—STUDY AND TEACHING**
In the interest of the common cause. V. Mikhola. Fin. SSSR 37 no. 2:63-65 F '63.
- MOHAMMEDAN EMPIRE**
"Arabian caliphate" by T. A. Chistiakova. Reviewed by V. V. Samarkin. Prep. ist. v shkole 18 no. 1:108-109 Ja-F '63.
- MOHAMMEDAN WOMEN** see Women, Mohammedan
- MOHAMMEDANISM**
Humiliating traditions. A. Akliev. Nauka i rel. 4 no. 1: 66-68 Ja '63.
- MOISTURE**
Forms of moisture bonding with fibrous materials used in the food industry. V. V. Kraanikov. Trudy MTIPP 15:70-74 '60.
- MOISTURE—MEASUREMENT**
Determining the moisture content of sugar products. G. S. Benin, V. A. TSirkul'. Trudy TSINS no. 7:81-73 '60.
Instruments for the measurement, recording and regulation of moisture content. D. N. Oganessian. Biul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:46-50 '63.
- Moisture meter for continuous moisture measurement in flows of loose materials. V. G. Evdokimov, V. I. Petygin. Priboirostroenie no. 1:19-20 Ja '63.
- MOKRYE KURNALY REGION—JEWELRY, BOLGAR**
One more find of Bulgarian jewelry. T. A. Khlebnikova. Sov. arkeol. 7 no. 1:305-309 '63.
- MOLASSES**
Determining glutamic acid content of feed molasses. A. K. Kartashov, L. K. Ivanova, N. A. Maksimova. Trudy TSINS no. 7:97-102 '60.
Production of alcohol from reprocessed discard molasses. A. F. Fedorov, T. G. Zhupikova. Spirt. prom. 29 no. 1: 12-13 '63.
- MOLASSES AS FEED**
Production of feed yeast from discard molasses concentrate. Spirt. prom. 29 no. 1:32-33 '63.
- MOLDAVIA—AGRICULTURE—ECONOMIC ASPECTS**
Respublikanskoe ekonomicheskoe soveshchaniye po sel'skoku khoziaistvu. Kishinev, 1959. [Problems of the economics of the agriculture of Moldavia] Voprosy ekonomiki sel'skogo khoziaistva Moldavii; materialy. Kishinev, Izd-vo "Shtiintsa," 1960. 182 p.
- MOLDAVIA—AGRICULTURE—LABOR PRODUCTIVITY**
"The 'beacon lights' of Moldavian farming." Reviewed by A. Popov, M. Zinger. Komm. Mold. 7 no. 5:71-73 My '62.
- MOLDAVIA—AZOTOBACTER**
Role of the microbiological factor in the development of Azotobacter. V. I. Sabel'nikova. Izv. AN Mold. SSR no. 7:69-78 '62.
- MOLDAVIA—BANKS AND BANKING**
Organization of firms and their relations with the State Bank. P. Beizer. Den. i kred. 21 no. 2:57-59 F '63.
- MOLDAVIA—CANNING INDUSTRY**
"Canning industry of the Moldavian S. S. R." by M. M. Ursul. Reviewed by P. S. Turkevich. Kons. i ov. prom. 18 no. 2:42-43 F '63.
- MOLDAVIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Brief news. Komm. Mold. 7 no. 5:78-80 My '62.
- MOLDAVIA—CONSTRUCTION INDUSTRY**
Our construction industry should intensify its work. Komm. Mold. 7 no. 5:3-7 My '62.
- MOLDAVIA—CONSTRUCTION INDUSTRY—MANAGEMENT**
Nauchno-ekonomicheskaya konferentsiya po stroitel'stvu v Moldavskoi SSR. Kishinev, 1961. [Problems of the economics of capital construction in the Moldavian S. S. R.] Voprosy ekonomiki kapital'nogo stroitel'stva v Moldavskoi SSR; materialy. Kishinev, Shtiintsa, 1962. 145 p.
- MOLDAVIA—CORN (MAIZE)**
Forms of the nitrogen and protein fractions of the grain of corn subspecies grown in Moldavia. P. A. TSurkan. Trudy po khim. prirod. seed. no. 3:169-172 '60.
- MOLDAVIA—ECONOMIC POLICY**
Toward new frontiers. Komm. Mold. 7 no. 1:2-6 Ja '63.
- MOLDAVIA—FERTILIZERS AND MANURES**
Moldavskii nauchno-issledovatel'skii institut pozhovodeniia i agrokhimii imeni N. A. Dimo. [Effectiveness of fertilizers in Moldavia] "Efektivnost' udobrenii v usloviakh Moldavii." Kishinev, Izd-vo "Shtiintsa," 1961. 123 p.
- MOLDAVIA—FLOWERS**
Sharova, N. L. [Perennial flowering plants of Moldavia] Mnogoletnie lyetochnye rasteniia Moldavii. Kishinev, Izd-vo "Shtiintsa," 1962. 97 p. (DNAL)
- MOLDAVIA—FRUIT CULTURE**
Babin, S. I. [For high fruit yields; from work practices of the fruit growers on the Tiraspol' Frunze State Technical Training Farm] Za vysokii urozhai fruktov; iz opyta raboty plodovodov Tiraspol'skogo sovkhooza-tekhnika imeni M. V. Frunze. Kishinev, Partinoe izd-vo TsK KP Moldavii, 1962. 38 p. (Pust' larche goriat malaki) (DNAL)
Fedotov, V. S. [Terracing slopes for orchards and vineyards in Moldavia] Terrasirovaniye sklonov pod sady i vinogradniki v Moldavii. Kishinev, Izd-vo "Shtiintsa," 1961. 174 p. (DNAL)
Kabluchko, G. A. [Fruit culture in the Dniester Valley of Moldavia] Plodovodstvo Pridnestrovia Moldavii. Kishinev, Gos. izd-vo Moldavii, 1955. 221 p. (NIC)
- MOLDAVIA—GRAPES—VARIETIES**
Kishin, P. Kh. [Key for determining grape rootstock] Kluch dlia opredeleniya podvoev vinograda. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1961. 91 p. (DNAL)
- MOLDAVIA—HEPATITIS, INFECTIOUS**
Further research on the epidemiology of Botkin's disease in the Moldavian S. S. R. E. N. Shkharov, M. I. A. Gekhtman, I. P. Hondurianskii. Trudy Kish. gos. med. inst. 11:71-86 '60.
- MOLDAVIA—HEPATITIS, INFECTIOUS—PREVENTION**
Some problems in the prevention of Botkin's disease in Moldavia. I. P. Drobnitskii, M. I. A. Gekhtman. Trudy Kish. gos. med. inst. 11:87-100 '60.
- MOLDAVIA—HISTORY—SOURCES**
Akademlin nauk Moldavskoi SSR. Institut istorii. [Documents and source materials on Moldavian history] Istoriia Moldavii; dokumenty i materialy. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR. Vol. 3. [Situation of Bessarabian peasants and their uprisings in 1812-1861] Polozheniye krest'ian i krest'ianskoe dvizheniye v Bessarabii, 1812-1861 gody; sbornik dokumentov. Pt. 1. 1962. 610 p.
- MOLDAVIA—INDUSTRIAL HYGIENE**
We should train the trade-union activist group. V. S. Irenko. Okhr. truda i sota. strakh. 5 no. 12:3-5 D '62.
- MOLDAVIA—INDUSTRIAL ORGANIZATION**
Organization of firms and their relations with the State Bank. P. Beizer. Den. i kred. 21 no. 2:57-59 F '63.
- MOLDAVIA—MAPS**
"Atlas of the Ukrainian S. S. R. and the Moldavian S. S. R." Reviewed by I. N. Chusova, I. U. Kul'batskaya. Izv. AN SSSR, Ser. geog. no. 1:141-144 Ja-F '63.
- MOLDAVIA—MATHEMATICS**
Physical and Mathematical Institute of the Academy of Sciences of the Moldavian S. S. R. Usp. mat. nauk 19 no. 1:241-242 Ja-F '63.
- MOLDAVIA—PEASANTRY**
Akademlin nauk Moldavskoi SSR. Institut istorii. [Documents and source materials on Moldavian history] Istoriia Moldavii; dokumenty i materialy. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR. Vol. 3. [Situation of Bessarabian peasants and their uprisings in 1812-1861] Polozheniye krest'ian i krest'ianskoe dvizheniye v Bessarabii, 1812-1861 gody; sbornik dokumentov. Pt. 1. 1962. 610 p.
- MOLDAVIA—PHYSICS**
Physical and Mathematical Institute of the Academy of Sciences of the Moldavian S. S. R. Usp. mat. nauk 19 no. 1:241-242 Ja-F '63.
- MOLDAVIA—PIONEERS (COMMUNIST YOUTH)**
The 40th anniversary of the Lenin Pioneer Organization. A. TSarigradskaya. Komm. Mold. 7 no. 3:31-33 My '62.
- MOLDAVIA—QUARRIES AND QUARRYING**
Perfecting work in quarry enterprises. I. Rogachevskii, F. Spivakov. Komm. Mold. 7 no. 1:46-52 Ja '63.
- MOLDAVIA—REVOLUTION, 1917-1921**
The 45th anniversary of the establishment of the Soviet regime in Moldavia. Komm. Mold. 7 no. 1:7-14 Ja '63.
"Victory of the October Revolution and the establishment of the Soviet regime in Moldavia, March 1917-March 1918" by K. O. Slutskaya. Reviewed by S. A. A. Esaulenko, N. Rottman. Komm. Mold. 7 no. 1:74-78 Ja '63.
- MOLDAVIA—RHIZOSPHERE MICROBIOLOGY**
Development of cellulose bacteria and fungi in the rhizosphere of various plants in carbonate-rich and typical Chernozem soils of Moldavia. I. S. Zakharov. Izv. AN Mold. SSR no. 7:55-68 '62.
- MOLDAVIA—RUSSIAN NEWSPAPERS**
A review of interdistrict newspapers. Komm. Mold. 7 no. 5:75-77 My '62.
- MOLDAVIA—SAVINGS BANKS—ACCOUNTING**
Accounting has been mechanized. M. Dashovskii, Fin. SSSR 37 no. 2:62-63 F '63.
- MOLDAVIA—SOIL MICRO-ORGANISMS**
Effect of bacteria decomposing $\text{Ca}_3(\text{PO}_4)_2$ on the development of corn. N. V. Sergeeva. Izv. AN Mold. SSR no. 7:79-88 '62.
- MOLDAVIA—SUGAR BEETS**
Khrapivyl, F. P. [Economics of the production of sugar beets as exemplified by the collective farms of the Moldavian S. S. R.] Ekonomika proizvodstva sakharnoi svekly; na primerakh kolhozov Moldavskoi SSR. Rud red. I. V. Shirshova. Kishinev, Izd-vo "Shtiintsa," 1961. 36 p.
- MOLDAVIA—TECHNOLOGICAL INNOVATIONS**
Party organizations and the mass movement for technological progress. V. Usanov. Komm. Mold. 7 no. 5: 17-23 My '62.

MOLDAVIA—TERRACING

Fedotov, V. S. [Terracing slopes for orchards and vineyards in Moldavia] Terrasirovanie sklonov pod sady i vinogradniki v Moldavii. Kishinev, Izd-vo "Shtiintsa," 1961. 174 p. (DNAL)

MOLDAVIA—TOBACCO RESEARCH

Changes of the amino acid composition of tobacco leaves and root system in darkness [in Armenian with summary in Russian]. E. S. Avundzhian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:27-35 '62.

MOLDAVIA—TRADE UNIONS

We should train the trade-union activist group. V. Sidorenko. Otkr. truda i sots. strakh. 5 no. 12:3-5 D '62.

MOLDAVIA—VITICULTURE

Bondar', E. M. [Possibility of cultivating the most frost-resistant European grape varieties of Moldavia without covering them in winter] O vozmozhnosti kultury naibolee morozoustoichivyykh sortov evropeiskogo vinograda v Moldavii bez ukrytiia na zimn. Kishinev, Izd-vo "Shtiintsa," 1961. 73 p.

MOLDAVIA—YEAST AS FEED

Production of fodder yeast. N. M. Trofimenko, A. I. Garkavenko. Izv. AN Mold. SSR no. 7:10-13 '62.

MOLDING (FOUNDING)

Gypsum die molds. V. K. Baradan'tants. Lit. prozv. no. 7:1-3 JI '62.

Improving foundry molds for electrocast refractories. N. M. Gaidina, I. U. S. Ivanovskii, Ogneupory 28 no. 2: 57-63 '63.

Jolt-squeeze method of mold ramming. G. I. Bohriakov, N. G. Intikav. Lit. prozv. no. 7:34 JI '62.

MOLECULAR ASSOCIATION

Effect of the association of polybutadiene macromolecules in various solvents. L. A. Poddubnyi and others. Dokl. AN SSSR 148 no. 2:384-387 Ja '63.

MOLECULAR BEAMS

Experimental study of the orientation of an ammonia molecular beam. A. I. Naumov, Zhur. tekhn. fiz. 33 no. 1:127-131 Ja '63.

MOLECULAR DYNAMICS

Determining the forces of molecular interaction from a study of oscillatory relaxation in oxygen. N. A. Generalov, S. A. Losev. Dokl. AN SSSR 148 no. 3: 552-554 Ja '63.

Distribution of the vibrational energy of source-produced molecules. A. I. Osipov. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:41-45 Mr-Ap '62.

Resistance of a gaseous medium to the movement of particles having a size comparable to the mean free path of gas molecules. N. A. Fuks, I. B. Stechkina, Zhur. tekhn. fiz. 33 no. 1:132-135 Ja '63.

Vibrational relaxation and interaction of molecules in oxygen at high temperatures. N. A. Generalov, S. A. Losev. PMTF no. 1:145-150 Ja-F '63.

Vibrational relaxation in oxygen at high temperatures. Part 1. N. A. Generalov. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:51-59 Mr-Ap '62.

MOLECULAR ROTATION

Effect of rotational and vibrational relaxation on a laminar boundary layer on a plate. I. U. P. Lun'kin, IAN' Shtetn' [Yen Hsi-ch'In]. PMTF no. 1:150-154 Ja-F '63.

Microwave spectrum of the F₂HC - CDHF molecule. L. A. Mukhtarov. Dokl. AN SSSR 148 no. 3:566-568 Ja '63.

Superhigh-frequency spectrum, rotational constants, and dipole moment of the ethyl alcohol molecule. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekhn. nauk no. 4: 55-58 '62.

MOLECULAR SPECTRA

Effect of impurities on the excitation of vibrations of oxygen molecules at high temperatures. N. A. Generalov. Dokl. AN SSSR 148 no. 2:373-376 Ja '63.

Effect of the solvent on the position and intensity of bands in infrared molecular spectra. O. P. Girin, N. G. Bakhshev. Usp. fiz. nauk 70 no. 2:235-262 F '63.

Superhigh-frequency spectrum, rotational constants, and dipole moment of the ethyl alcohol molecule. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekhn. nauk no. 4: 55-58 '62.

MOLECULAR THEORY—STUDY AND TEACHING

Working with the educational motion picture "Molecules and molecular movement." S. E. Kamenetskii, Fiz. v shkole 22 no. 6:43-44 N-D '62.

MOLECULES

Potential functions of molecules of the homologous series (CH₃)_nSiF_{4-n} (n=1-4). I. F. Kovalev. Dokl. AN SSSR 148 no. 3:569-572 Ja '63.

MOLLUSKS, FOSSIL see subdivision under Atlasu region; Balkal Lake region

MOLTEN METALS see Liquid metals

MOLTEN SALTS see Fused salts

MOLYBDENUM

Investigating certain conditions for the hot rolling of molybdenum, in vacuum, in an argon atmosphere, and in air. I. M. Pavlov and others. TSvet. met. 36 no. 2: 66-71 F '63.

Structure of the energy levels of metallic molybdenum. Izv. AN SSSR. Ser. fiz. 27 no. 3:319-321 Mr '63.

MOLYBDENUM—ANALYSIS

Titrimetric method for the determination of molybdenum in its carbides, nitrides, borides, and silicides [with summary in English]. L. N. Kugai, T. N. Nazarchuk, Zhur. anal. khim. 17 no. 9:1082-1085 D '62.

MOLYBDENUM—METALLOGRAPHY

Structure of subgrain structure in single crystal molybdenum. I. U. I. Demkin. Fiz. met. i metalloved. 14 no. 6:910-912 D '62.

MOLYBDENUM—SPECTRA

Spectra of the M-series of Zr, Nb, and Mo and the M-emission bands of Nb and Mo. A. P. Lukirskii, T. M. Zimkina. Izv. AN SSSR. Ser. fiz. 27 no. 3:330-339 Mr '63.

MOLYBDENUM COMPOUNDS

Using molybdenum disulfide for improving the strength of dies and cutting tools. I. A. K. Terent'ev. Biul. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:86-87 '63.

MOLYBDENUM ORES

(see also subdivision under Asian District)
Formation of commercial molybdenum deposits in the history of the geotectonic development of molybdenum-bearing provinces in the U. S. S. R. V. T. Pokalov. Sov. geol. 5 no. 12:3-15 D '62.

MONASTICISM AND RELIGIOUS ORDERS

Billets, S. [The darkness and its servants; on Orthodox monasteries and monasticism] T'ma i ee slugi; o pravoslavnykh monastyriakh i monagheste. Kiev, Gospolitizdat, 1960. 88 p. (MH)

MONCHE-TUNDRA—PLAGIOCLASE

Entirely mobile behavior of alumina and the inertness of SiO₂ in metasomatic plagioclase formation in primary pegmatites of the Monche-Tundra. R. V. Karpov. Dokl. AN SSSR 148 no. 3:660-667 Ja '63.

MONEY

(see also subdivision under Iran; Mali)

Improve the work standards of State Bank departments on currency circulation. V. Vorob'ev. Den. i kred. 21 no. 2:3-11 F '63.

Improve the work standards on currency circulation. Den. i kred. 21 no. 1:66-73 Ja '63.

The nature of money under socialism. I. Aizenberg. Den. i kred. 21 no. 2:12-21 F '63.

MONGOLIA

Across our land. Sovr. Mong. 7 no. 10:21-23 O '62.

Brief news. Sovr. Mong. 7 no. 7:24 JI '62.

MONGOLIA—AGRICULTURE, COOPERATIVE

Friendship among the workers of agricultural cooperative societies. D. Zorig. Sovr. Mong. 7 no. 9:6-7 S '62.

In an agricultural cooperative society dedicated to the 22nd Congress of the CPSU. Sovr. Mong. 7 no. 10:10-11 O '62.

MONGOLIA—ANTIQUITIES

Ancient Turkic monuments in Mongolia. N. Serodzhev. Sovr. Mong. 7 no. 7:13-15 JI '62.

MONGOLIA—ARTESIAN WELLS

In the valley of a lonely tree. G. Ad'iaa. Sovr. Mong. 7 no. 7:8-9 JI '62.

MONGOLIA—BEAR HUNTING

Notes of an old hunter. D. Damdin. Sovr. Mong. 7 no. 9: 18-19 S '62.

MONGOLIA—COMMERCE—RUSSIA

Soviet-Mongolian trade relations. Vnesh. torg. 43 no. 2:14 '63.

MONGOLIA—COMMUNISM

Great holiday of working people. Sovr. Mong. 7 no. 11: 1-2 N '62.

MONGOLIA—DEER HUNTING

Notes of an old hunter. D. Damdin. Sovr. Mong. 7 no. 9: 18-19 S '62.

MONGOLIA—ECONOMIC ASSISTANCE, CHINESE

Friendship and cooperation between the Mongolian and Chinese peoples. D. Shirnen. Sovr. Mong. 7 no. 9: 1-2 S '62.

MONGOLIA—ECONOMIC CONDITIONS

Across our country. Sovr. Mong. 7 no. 7:6-7 JI '62.

Across our country. Sovr. Mong. 7 no. 11:22-23 N '62.

Across our land. Sovr. Mong. 7 no. 9:21-23 S '62.

Mongolian people in the struggle for socialism. Sovr. Mong. 7 no. 7:1-2 JI '62.

Mongolian-Soviet friendship and the triumphs of socialist development of the Mongolian People's Republic. S. Udval. Sovr. Mong. 7 no. 10:1-3 O '62.

Progressive development of the Mongolian People's Republic. V. Popov. Agitator no. 13:26-28 JI '62.

MONGOLIA—EDUCATION

Night schools. TS. Shagdar. Sovr. Mong. 7 no. 11:8-9 N '62.

On the threshold of a new school year. F. Khorlo. Sovr. Mong. 7 no. 9:3-4 S '62.

MONGOLIA—FOREIGN RELATIONS

Brief news. Sovr. Mong. 7 no. 10:24 O '62.

MONGOLIA—FOREIGN RELATIONS—RUSSIA

Mongolian-Soviet friendship and the triumphs of socialist development of the Mongolian People's Republic. S. Udval. Sovr. Mong. 7 no. 10:1-3 O '62.

MONGOLIA—HISTORY

First celebration of The October. Sovr. Mong. 7 no. 11: 5-8 N '62.

MONGOLIA—HUNTING

Famous hunter. L. Enkhe. Sovr. Mong. 7 no. 7:10-11 JI '62.

MONGOLIA—LABOR AND LABORING CLASSES

Personality of a worker. TS. Shagdar. Sovr. Mong. 7 no. 7:9-11 JI '62.

MONGOLIA—MOTION PICTURES

Spot on a carpet. D. Zorig. Sovr. Mong. 7 no. 10:20 O '62.

MONGOLIA—POLITICS AND GOVERNMENT

Across our country. Sovr. Mong. 7 no. 11:22-23 N '62.

Across our land. Sovr. Mong. 7 no. 9:21-23 S '62.

"Selected articles and speeches" by Iumzhagin Tsedenbal. Reviewed by E. M. Zhukov. Nar. Az. i Afr. no. 1:189-192 '63.

MONGOLIA—RAILROADS

Contribution of railroad workers to the 45th anniversary of The October. D. Bamba. Sovr. Mong. 7 no. 11: 7 N '62.

MONGOLIA—RELATIONS (GENERAL) WITH RUSSIA

On a council of the Society of Mongolian-Soviet Friendship. D. Regvasuren. Sovr. Mong. 7 no. 10:8-9 O '62.

MONGOLIA—RUSSIAN LANGUAGE—STUDY AND TEACHING

Key to knowledge. B. Suran. Sovr. Mong. 7 no. 11:8-9 N '62.

MONGOLIA—SOCIALIST COMPETITION

Contribution of railroad workers to the 45th anniversary of The October. D. Bamba. Sovr. Mong. 7 no. 11: 7 N '62.

MONGOLIA—STATE FARMS

Masters of rich harvests. D. Endon. Sovr. Mong. 7 no. 9:13-14 S '62.

MONGOLIA—STUDENTS

Assignment to life. U. Niamdorzh. Sovr. Mong. 7 no. 7:4-5 JI '62.

MONGOLIA—TECHNICAL ASSISTANCE, CHINESE

At the foot of an ancient mountain. N. Dambasuren. Sovr. Mong. 7 no. 9:8-9 S '62.

MONGOLIA—TECHNICAL ASSISTANCE, RUSSIAN

Mechanical engineer Shagiev. Sovr. Mong. 7 no. 10: 5 O '62.

Soviet people. L. Enkhe. Sovr. Mong. 7 no. 10:4-5 O '62.

With the help of the Soviet Union. Sovr. Mong. 7 no. 10: 10-11 O '62.

MONGOLIA—THEATER

Behind the scenes of a theater. I. Tuvshin. Sovr. Mong. 7 no. 7:16-17 JI '62.

MONGOLIA—TOURISTS, FOREIGN

Mongolia and tourists. R. Tserendash. Sovr. Mong. 7 no. 7:22 JI '62.

MONGOLIA—VEGETABLE GARDENING

On the way to labor glory. D. Zorig. Sovr. Mong. 7 no. 11:15 N '62.

MONGOLIA—WATER RESOURCES DEVELOPMENT

Where youth works. R. Dash. Sovr. Mong. 7 no. 11:10-11 N '62.

MONGOLIA—YOUTH

World Youth Day. Sovr. Mong. 7 no. 11:21 N '62.

MONGOLIAN LANGUAGE

The Naïman theory on the origin of the Mongolian written and literary language; the 12th and 13th centuries. L. L. Viktorova. Uch. zap. LGU no. 305:137-155 '61.

MONKEYS

Case of the absence of the incisive bone and the incomplete development of the cheekbone arch in a Rhesus monkey (*Macacus rhesus*). B. A. Nikituk. Vop. antr. no. 10:134-138 '62.

Do monkeys draw? V. Bukin. Znan. -sila 37 no. 12: 43 D '62.

"Primate comparative anatomy and taxonomy. Vol. N (Part A)" [in English] by W. C. Osman Hill. Reviewed by V. P. Alekseev. Vop. antr. no. 10:165-166 '62.

MONOPOLIES

A useful review. N. A. Nikolaev. Vop. ist. 38 no. 2:193 F '63.

MONUMENTS

Genuine and sham monumentalism. N. Tomskii. Iskusstvo 25 no. 9:2-6 '62.

Mamolat, I. E. S. [Monumental-decorative art] Monumentalno-dekorativnye mystetstvo. Kyiv, Derzh. vydvo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1961. 39 p. (Bibliotekha z pytan' mystetstva)

MONUMENTS—PRESERVATION

Akademii stroitel'stva i arkhitektury SSSR, Institut teorii i istorii arkhitektury i stroitel'noi tekhniki. [Instructions for organizing the protective zones surrounding architectural monuments] Ukazaniia po organizatsii okhrannykh zon pamyatnikov arkhitektury. Moskva, Gosstroizdat, 1962. 23 p.

MOON

New hypotheses on the moon. D. A. Frank-Kamenetskii. Priroda 52 no. 2:112 '63.

MOON—SURFACE

Some electrical properties of earth rocks and their comparison with those of lunar surface layers [with summary in English]. V. D. Krotkov. Izv. vya. ucheb. zav. ; radiofiz. 5 no. 6:1057-1061 '62.

MOOSE see subdivision under Rybinsk Reservoir region

MORAINES see subdivision under West Shelf Ice region

MORAL EDUCATION

Basis of the moral education of the younger generation. F. Cherkashin. Prof. -tekh. obr. 19 no. 11:21-22 N '62.

Following Makarenko's advice. . . I. P. Vinogradova. Vech. sred. shkola 5 no. 5:38-40 S-O '62.

School of culture in a construction school. N. Kostinuk. Prof. -tekh. obr. 20 no. 2:17-18 F '63.

Self-training of adolescents in a group. K. Aleksandrova. Shkola-int. no. 6:48-52 N-D '62.

MORAL REARMAMENT

"Moral rearmament" in the service of neocolonizers. L. Skrypnikova. Kommunist 39 no. 4:110-114 Mr '63.

MORAVIA—MINING ENGINEERING

Controlling quickeys during mine construction in the South Moravian lignite basin (Czechoslovakia). G. G. Skvortsov. Shkht. stroi. 7 no. 1:27-28 Ja '63.

MORPHINE

Increase of morphine content in polyploids of *Papaver somniferum* L. V. S. Andreev. Dokl. AN SSSR 148 no. 1:206-209 Ja '63.

MORPHOLINE

Substitution of morpholine for chlorine atoms in a phosphonitrile chloride trimer. A. A. Kropacheva, L. E. Mukhina. Zhur. ob. khim. 33 no. 2:700-707 F '63.

MORPHOLOGY—CONGRESSES

Conference of East Siberian morphologists. A. I. Kazantsev. Vop. antr. no. 10:155-156 '62.

MORPHOLOGY (ANIMALS)

Correlation between the morphological characteristics of rodents and the rate of their growth and some problems of intraspecific taxonomy. S. S. Shvarts. Trudy Inst. biol. UFAN SSSR no. 29:5-14 '62.

Morphologic and ecologic characteristics of shrews at the extreme northern boundary of their distribution. S. S. Shvarts. Trudy Inst. biol. UFAN SSSR no. 29:45-51 '62.

Morphologic characteristics of the pine marten *Martes americana* Turton. V. N. Pavlinin. Trudy Inst. biol. UFAN SSSR no. 29:57-69 '62.

Morphologic determination of the populations of predatory mammals. V. N. Pavlinin. Trudy Inst. biol. UFAN SSSR no. 29:93-96 '62.

Taxonomic characteristics of the red-backed bank vole *Chlethrionomys rutilus* from the subarctic areas of North America. V. N. Bol'shakov, S. S. Shvarts. Trudy Inst. biol. UFAN SSSR no. 29:53-56 '62.

MORTIFICATION (PATHOLOGY) see subdivision under Gangrene

MOSAL'SK—COURTS

Public participation in the work of a people's court. IA. Vitek. Sov. iust. no. 3:26 F '63.

MOSCOW—AIRPORTS

Soviet haven for airships. Grazhd. av. 19 no. 10:26-27 O '62.

MOSCOW—AMATEUR THEATRICALS

Why haven't Moscow residents seen "Romashka"? V. Kukarelin. Kul't. pros. rab. 23 no. 9:40 S '62.

MOSCOW—ANTIQUITIES

Archaeological works in the Moscow Kremlin. N. N. Voronin, M. G. Rabinovich. Sov. arkheol. 7 no. 1: 253-272 '63.

More about dating the ancient layer of Moscow. T. V. Ravidina. Sov. arkheol. 7 no. 1:98-100 '63.

MOSCOW—APARTMENT HOUSES

Productions bases for housing offices. IU. G. Ivlev. Gor. khoz. Mosk. 36 no. 12:18-20 D '62.

MOSCOW—ARCHITECTURE

Problems of the external public services and amenities of the capital. N. M. Shchepetil'nikov. Gor. khoz. Mosk. 36 no. 2:9-11 F '62.

MOSCOW—ART—EXHIBITIONS

The great mission of Soviet art is to serve the people and the cause of communism. Iskusstvo 25 no. 11:2-4 '62.

MOSCOW—ART, UKRAINIAN—EXHIBITIONS

Moscow. Khudozhnia vystavka "Radians'ka Ukraina," 1960. [The art exhibition "Soviet Ukraine," 1960] [AFIom. Kyiv] Derzh. vydvo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR [1962] 30 p. 175 plates.

MOSCOW—AUTOMOBILE INDUSTRY

Basic direction in the redesign of press casings at the I. A. Likhachev Automobile Plant. G. N. Novinskii. Kuz. -shtam. proizv. 5 no. 2:36-43 F '63.

MOSCOW—AUTOMOBILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Suggested by the integrated brigade. I. A. Tomashpol'skii. Mashinostroitel' no. 1:8-9 Ja '63.

MOSCOW—BATHS, PUBLIC

Public baths of a new type. I. A. Chernikov. Gor. khoz. Mosk. 36 no. 2:37-40 F '62.

MOSCOW—BIRDS

Changes in the ornithofauna of the Izmaylovo Park during the last 25 years. V. E. Flint, V. G. Krivosheev. Ornithologia no. 5:300-308 '62.

MOSCOW—BOTANICAL GARDENS

Main Botanical Garden at a new stage. N. V. Tsitsin. Biol. Glav. bot. sada no. 45:3-6 '62.

MOSCOW—BRIDGES

The new Avtozavod bridge. S. IA. Terekhin, K. N. Iakovlev. Gor. khoz. Mosk. 36 no. 2:6-8 F '62.

MOSCOW—CHESS—TOURNAMENTS

Before "high level" matches. A. Lental'. Sov. profsoyuz 19 no. 5:31 Mr '63.

MOSCOW—CHILDREN—HOSPITALS

Experience in the work of the diagnostic children's gastro-intestinal department of the Fourth Municipal Clinical Hospital. M. F. Savina, L. V. Pollak, T. F. Rubinskina. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:40-48 '61.

MOSCOW—CITY PLANNING

Frunze District in Moscow. A. V. Budanisev. Gor. khoz. Mosk. 36 no. 12:6-11 D '62.

MOSCOW—CITY TRAFFIC

Nadezhin, B. M. [Pedestrian and vehicular tunnels in Moscow] Peshkhodnye i transportnye tunnell Moskvyy. [Moskva] Mosk. rabochii, 1962. 64 p.

MOSCOW—CLOCKMAKING AND WATCHMAKING—HYGIENIC ASPECTS

If they set their minds to it. . . A. Kolominov, L. Sergeev. Ochr. truda i sots. strakh. 8 no. 2:10-11 F '63.

MOSCOW—CLOCKMAKING AND WATCHMAKING—PRODUCTION STANDARDS

With the active participation of workers. E. Fomina. Sots. trud 8 no. 2:72-75 F '63.

MOSCOW—CLOTHING AND DRESS—EXHIBITIONS

More goods, better and varied. S. Lapteva. Rabotnitsa 40 no. 7:9 Jl '62.

MOSCOW—COMMUNIST EDUCATION

Not just by the mark. I. Smirnov, Polit. samoobr. 7 no. 1:88-90 Ja '63.

MOSCOW—COMMUNITY CENTERS

Community center on Cheremushka Street. IU. Snitko. Klub 12 no. 7:8-9 Jl '62.

A concern of all the community. V. Sokolov. Klub 11 no. 6:9-10 Je '62.

MOSCOW—CONGRESSES

Conference of specialists of the member countries of the Mutual Economic Assistance Council. IA. D. Kazantsev. Kauch. i rez. 22 no. 2:53 F '63.

MOSCOW—CONSTRUCTION INDUSTRY

Creative activity of Moscow residents. Gor. khoz. Mosk. 36 no. 2:1-2 F '62.

A house is born in a workshop. I. Nemtsov. Rabotnitsa 40 no. 3:9-10 Mr '62.

In the Executive Committee of the Moscow Soviet. Gor. khoz. Mosk. 36 no. 2:44 F '62.

In the Executive Committee of the Moscow Soviet. Gor. khoz. Mosk. 36 no. 12:37 D '62.

Individual approach to workers is the best method of work. V. Ivanov. Agitator no. 13:48-51 Jl '62.

Preserve the honor of the residents of Moscow. Gor. khoz. Mosk. 36 no. 12:1-3 D '62.

"You are invited to the screen." P. Moskovskii. Part. zhizn' no. 5:75-76 Mr '63.

MOSCOW—CONSTRUCTION INDUSTRY—ACCOUNTING

Improve original accounting in construction. I. Chernikov. Vest. stat. no. 2:49-56 '63.

MOSCOW—CONSTRUCTION WORKERS

They are building Moscow. Znan. -sila 37 no. 12:7-8 D '62.

MOSCOW—CORRESPONDENCE SCHOOLS AND COURSES

Let's raise the work of the capital schools to the level of new requirements. E. IA. Prosvetova. Vech. sred. shkola 5 no. 6:7-11 N-D '62.

MOSCOW—COURTS

Let us organize court sessions in industrial enterprises in a proper way. V. Bankov. Sov. iust. no. 2:4-6 Ja '63.

MOSCOW—CREDIT

Issuing credit to special accounts in combination with payment operations. Z. Zueva, M. Kuzina. Den. i kred. 21 no. 2:22-25 F '63.

MOSCOW—DELIVERY OF GOODS

Transportation and dispatching service for Moscow residents. A. O. Lushchitskii. Gor. khoz. Mosk. 36 no. 2:23-25 F '62.

MOSCOW—DIPHTHERIA—PREVENTION

Experience in the work of the diagnostic wards of the diphtheria department. A. P. Trofimenko. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:47-56 '61.

MOSCOW—DRUGSTORES

Providing Moscow residents with medicines. G. I. Parkhomenko. Gor. khoz. Mosk. 36 no. 2:26-28 F '62.

MOSCOW—EDUCATION OF WOMEN

Professor Garls's higher courses for women in Moscow. 1872 to 1880. L. A. Bobrova. Trudy MGIAI 10:253-265 '61.

MOSCOW—ELECTIONS

Moscow and cheremushki. . . Sov. profsoyuz 10 no. 4:3 F '63.

MOSCOW—ELECTRIC EQUIPMENT INDUSTRY—MANAGEMENT

The factory committee persuades. . . S. Naumov. Sov. profsoyuz 19 no. 4:7 F '63.

MOSCOW—ELECTRIC LAMPS

They are prompted by a worker's conscience. B. Dol'skii. Sots. trud 8 no. 2:76-77 F '63.

MOSCOW—ENAMELED WARE

Deserved honors. I. Gordienko. Mest. prom. i khud. promys. 4 no. 2:23 F '63.

MOSCOW—ENSEMBLES (MUSIC), MONGOLIAN

Masters of Mongolian art at the Kremlin theater. V. Il'inskoy. Sovr. Mong. 7 no. 9:20 S '62.

MOSCOW—EVENING AND CONTINUATION SCHOOLS

Let's raise the work of the capital schools to the level of new requirements. E. IA. Prosvetova. Vech. sred. shkola 5 no. 6:7-11 N-D '62.

Serious and necessary talk. Vech. sred. shkola 5 no. 6: 96-92 N-D '62.

MOSCOW—EXCAVATIONS (ARCHAEOLOGY)

On the earliest date of the Moscow Kremlin. A. G. Veksler. Sov. arkheol. 7 no. 1:110-115 '63.

MOSCOW—EXHIBITIONS

Achievements of the optical instrument industry. Inform. biul. VDNKII no. 2:10-11 F '62.

Advanced technology of growing and harvesting sugar beets in the Ukrainian S. S. R. Inform. biul. VDNKII no. 2:30 F '62.

Advanced technology of growing and harvesting sugar beets on the state and collective farms of the Russian Federation. Inform. biul. VDNKII no. 2:20 F '62.

MOSCOW — EXHIBITIONS (Continued)

At the Exhibition of Achievements of the National Economy of the U.S.S.R. Zhivotnovodstvo 23 no. 5:41 My '61.
At the Exhibition of Achievements of the National Economy of the U.S.S.R. Zhivotnovodstvo 23 no. 8:67 Ag '61.
At the "storage and processing of grain" pavilion of the Exhibition of Achievements of the National Economy of the U.S.S.R. A. Bildman. Muk. -elev. prom. 28 no. 11:19-20 N '62.
At the "Young Illustrators" Exhibit. S. B. Telingater. Poligr. proizv. no. 11:25-27 N '62.
The beacons in corn growing. Inform. biul. VDNKH no. 2:23-28 F '62.
English instruments and computers. G. I. Kononenko. Priborostroenie no. 1:26-27 Ja '63.
Exhibition of Polish building and road machinery. A. Ganiushin. Avt. dor. 25 no. 12:3 of cover D '62.
Experience of the manufacturers of building materials. Inform. biul. VDNKH no. 2:39-40 F '62.
Finishing and waterproofing materials at the Exhibition of Achievements of the National Economy of the U.S.S.R. V. Kolesnikov. Stroitel' 8 no. 2:12-15, 18 F '62.
Foreign visitors at the Exhibition of Achievements of the National Economy of the U.S.S.R. Inform. biul. VDNKH no. 2:46 F '62.
A house can be built in 12 to 15 days. Inform. biul. VDNKH no. 2:34-37 F '62.
In the Sanitary Engineering Research Institute of the Academy of Construction and Architecture of the U.S.S.R. Vod. i san. tekhn. no. 1:35-37 Ja '63.
Industrial methods for finishing operations. I. Makhnovskii. Zhil. -kom. khoz. 12 no. 8:30-31 Ag '62.
Machine for feed grinding. Inform. biul. VDNKH no. 2:44 F '62.
Machine tools and instruments for the national industry. Inform. biul. VDNKH no. 2:10 F '62.
Machinery, instruments, technology, construction for the transportation industry. Inform. biul. VDNKH no. 2:37-38 F '62.
Mechanization and automation of forging and founding operations. Inform. biul. VDNKH no. 2:7-9 F '62.
Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR. [The Exhibition of the Achievements of the National Economy of the U.S.S.R., of 1959; guidebook] Putevoditel' 1959. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel. lit-ry, 1959. 303 p.
New developments at the Exhibition of Achievements of the National Economy of the U.S.S.R. Inform. biul. VDNKH no. 2:1-6 F '62.
New developments in power engineering. Inform. biul. VDNKH no. 2:38-39 F '62.
New grinding machines and advanced methods of abrasive and diamond treatments. Inform. biul. VDNKH no. 2:14-15 F '62.
New types of canned vegetables. Inform. biul. VDNKH no. 2:15 F '62.
Progressive construction and road equipment. V. Eletskii. Na stroit. Ros. 3 no. 12:34-36 D '62.
Records, information, advertising. Inform. biul. VDNKH no. 2:46-52 F '62.
Reliable anticorrosion agents. Inform. biul. VDNKH no. 2:11-13 F '62.
Special exhibitions and reviews. Inform. biul. VDNKH no. 2:16-18 F '62.
Special exhibitions and reviews. Inform. biul. VDNKH no. 2:29-33 F '62.
Special exhibitions and reviews. Inform. biul. VDNKH no. 2:41-43 F '62.
Universal electronograph. Inform. biul. VDNKH no. 2:44 F '62.
Zabotin's school. Inform. biul. VDNKH no. 2:19-22 F '62.

MOSCOW — FLOUR MILLS

Vitaminization of flour in the Moscow Milling Combine No. 3. B. Omeletchenko, V. Zotikov. Muk. -elev. prom. 28 no. 11:21-23 N '62.

MOSCOW — FORGING

Pressworking of metals in the enterprises of the Moscow Economic Council. V. E. Ivanin. Biul. tekhn. -ekon. Inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:30-31 F '63.

MOSCOW — FRUIT — STORAGE

New warehouse for storing fruit. I. Lapinski, N. Borminskii, A. Leshchinskii. Sov. torg. 36 no. 1:55-57 Ja '63.

MOSCOW — GIFT SHOPS

"Vanda." S. Selivankin. Sov. torg. 36 no. 10:23-27 O '62.

MOSCOW — HISTORICAL RESEARCH

Scholarly research on the history of the party in the Moscow institutions of higher education. P. E. Emel'yanov. Vop. ist. KPSS 7 no. 2:151-152 F '63.

MOSCOW — HOME ECONOMICS — ACCOUNTING

Meeting of budget-keeping workers and employees of Moscow. I. B. Vest. stat. no. 2:89-90 '63.

MOSCOW — HOSPITALS

Some historical data on the development of the Moscow Municipal Clinical Hospital No. 4 and the present state of its scientific work in the light of the prospective plan for the hospital's development during 1960-1962. G. F. Papko. Nauch. trudy Chetv. Mosk. gor. kln. bol', no. 1: 7-11 '61.

MOSCOW — INDUSTRIES

Economic problems of local industries. D. N. Kukushkin. Gor. khoz. Mosk. 36 no. 12:3-5 D '62.

MOSCOW — KREMLIN

Archaeological works in the Moscow Kremlin. N. N. Voronin, M. G. Rabinovich. Sov. arkheol. 7 no. 1: 253-272 '63.
On the earliest date of the Moscow Kremlin. A. G. Veksler. Sov. arkheol. 7 no. 1:110-115 '63.

MOSCOW — LABOR COURTS

Educational work is the most important factor. A. Makhnenko. Sov. iust. no. 2:23-25 Ja '63.

MOSCOW — LAUNDRIES

Laundries in apartment houses. V. V. Shviti. Gor. khoz. Mosk. 36 no. 12:28-30 D '62.

MOSCOW — LAUNDRY MACHINERY

Introducing new machinery in laundries. I. M. Letichevskii, K. D. Pamfilova. Gor. khoz. Mosk. 36 no. 12: 25-27 D '62.

MOSCOW — LIBRARIES

For successful education... Viktor Bukhanov. Rabotnitsa 40 no. 7:15-17 Ji '62.
Journey to the country of the mind. IU, Ovsiannikov. Kul't. -pros. rab. 23 no. 6:5-8 Je '62.
On the threshold of a second century. Kul't. -pros. rab. 23 no. 8:9-12 Je '62.

MOSCOW — LIBRARY CATALOGS

Moscow. Publitsnaya biblioteka. [Guide to the catalogs for readers in the reference reading rooms] Putevoditel' po katalogam dlia chitatelei nauchnykh chital'nykh zalov. Izd. 4. Moskva, 1958. 43 p.

MOSCOW — LINNETS

Ecology of the linnet in the southwest of Moscow. V. V. Stokov. Ornitologiya no. 5:200-209 '62.

MOSCOW — MACHINE — TOOL INDUSTRY — MANAGEMENT

The control staff of the seven-year plan at work. Elena Chernobrovkina. Rabotnitsa 40 no. 3:4-5 Mr '62.

MOSCOW — MACHINERY — EXHIBITIONS

Ideas in metal. A. V. Topchlev. Sov. Soizuz no. 3:5 '63.

MOSCOW — MACHINERY INDUSTRY — PRODUCTION STANDARDS

Establishing norms for auxiliary work. V. Khokhlov. Kh. Gordon. Sots. trud 8 no. 2:141-144 F '63.

MOSCOW — MARKETS

Collective-farm markets in Moscow. E. A. Fedorov. Gor. khoz. Mosk. 36 no. 2:30-33 F '62.

MOSCOW — MATHEMATICAL SOCIETIES

Summaries of papers accepted for publication by the Moscow Mathematical Society. Usp. mat. nauk 18 no. 1:200-209 Ja-F '63.

MOSCOW — METAL INDUSTRIES — MANAGEMENT

The worker has taken the chronometer in his hands... P. Tshalov. Sov. profsoiuzy 19 no. 4:8-9 F '63.

MOSCOW — MILK

Produce milk uniformly. I. Bakulin. Ekon. sei' khoz. 34 no. 2:101-103 F '63.

MOSCOW — MILLINERY

They stay in line for these hats. A. Sul'kina. Mest. prom. i khud. promys. 3 no. 1:16-17 Ja '63.

MOSCOW — MOTION-PICTURE FESTIVALS

The Film Club is an inappropriate place for the activities of Motion-Picture Day. A. Nikolaev. Teatr 24 no. 1: 112-114 Ja '63.

MOSCOW — MOTION-PICTURE THEATERS

To the editorial board of the periodical "Iskusstvo kino." Ivan Pyrov. Isk. kino 33 no. 1:23 '63.

MOSCOW — MOTOR VEHICLES — INSPECTION

Review of work preparedness. P. Vukichenko, V. Mikhailov. Zabezop. dvizh. 5 no. 2:3-4 F '63.

MOSCOW — MUNICIPAL SERVICES

Improve the standard of services to Moscow residents. I. A. Baryshev. Gor. khoz. Mosk. 36 no. 12:30-31 D '62.
Improving the structure of supply organizations. V. A. Sheer. Gor. khoz. Mosk. 36 no. 2:17-18 F '62.

MOSCOW — NEWSPAPER AND PERIODICAL CIRCULATION

More achieved and in a bolder manner. D. Maizlina. Raspr. pech. no. 1:11 Ja '63.

MOSCOW — OPERETTA

Tra-la-la with an ideology. Leonid Likhodeev. Teatr 24 no. 1:28-29 Ja '63.

MOSCOW — PANORAMAS

"Battle of Borodino" panorama. Kul't. -pros. rab. 23 no. 8:14-15 Ag '62.

MOSCOW — PAVEMENTS, BITUMINOUS CONCRETE

The quality of asphalt concrete paving. V. N. Kononov. Gor. khoz. Mosk. 36 no. 12:14-16 D '62.

MOSCOW — PIANO — MAINTENANCE AND REPAIR

Causes of the poor sound of the piano. IU, Egorov. Mest. prom. i khud. promys. 4 no. 2:10-11 F '63.

MOSCOW — PIONEERS (COMMUNIST YOUTH)

Pioneers' republic. A. Pistunova. Kul't. -pros. rab. 23 no. 4:17-19 Ap '62.

MOSCOW — PIPE MILLS

An important public work. IU, Kasatkina, N. Kosoplechev. Part. zhizn' no. 5:44-46 Mr '63.

MOSCOW — POLITICS AND GOVERNMENT

Budanisev, A. V. [District managers] Khoziaeva ralona. [Moskva] Mosk. rabochii, 1962. 85 p.
[Bulletin of the Moscow Executive Committee] Biul. Ispol. kom. Mosk. gor. sov. nos. 2-3 Ja-F '63.

MOSCOW — PRODUCTION STANDARDS

Improve the establishment of work norms through combined efforts. M. Ghamatsev. Sots. trud 8 no. 2:77-83 F '63.

MOSCOW — PUBLIC BUILDINGS

New station building on Komsomol Square. B. I. Abakshin. Gor. khoz. Mosk. 36 no. 2:22-23 F '62.

MOSCOW — QUALITY CONTROL

Exercise more effort to maintain the standard of the Soviet trademark. E. Utkin. Fin. SSSR 37 no. 1:40-46 Ja '63.

MOSCOW — RAILROADS — CARS

There are potentials in minutes. G. Kolpashnikov. Sov. profsoiuzy 19 no. 3:12-13 F '63.
Why isn't the introduction of new machinery encouraged? D. Livshits. Sots. trud 7 no. 12:132 D '62.

MOSCOW — RAILROADS — STATIONS

Devote every day and hour to the building of communism. E. Alekseev. Sots. trud 7 no. 12:58-64 D '62.

MOSCOW — RENTING OF EQUIPMENT, ETC.

Easily available and economical. S. Semichukin. Mest. prom. i khud. promys. 3 no. 1:23-24 Ja '63.

MOSCOW — REVOLUTION, 1917-1921

A page from the history of the Latvian riflemen; liquidation of the revolt of the left-wing socialist revolutionaries in Moscow, June 6 to 7, 1918. D. A. Toman. Trudy MGAI 16:181-191 '61.
[Red banner over the Kremlin; reminiscences of participants in the revolutionary battles in Moscow in October, 1917] Krasnoe znamia nad Kremlem; sbornik vospominanii uchastnikov revoliutsionnykh boev v Moskve v oktjabre 1917 goda. Moskva, Gospolitizdat, 1962. 93 p.
(Stranitsy istorii Sovetskoi Rodiny)

MOSCOW — SALT INDUSTRY

History of saltworks in the region of Moscow in the 17th century. P. M. Luk'ianov. Trudy Inst. ist. est. i tekhn. 39:266-271 '62.

MOSCOW — SCIENTIFIC SOCIETIES

The 40th anniversary of the Moscow House of Scientists. Vest. AN SSSR 33 no. 2:116-117 F '63.

MOSCOW — SEPULCHRAL MONUMENTS

The 17th century scribbler's tombstones from Moscow. IU, M. Zolotov. Sov. arkheol. 7 no. 1:310-311 '63.

MOSCOW — SERVICE INDUSTRIES

General services organizations. V. V. Seleznev. Gor. khoz. Mosk. 36 no. 2:20-22 F '62.
Residents of Moscow, this is for you! Otv. na vop. trud. no. 11:58-64 N '62.

MOSCOW — SHOW WINDOWS

At Moscow show windows. A. Khitrov. Sov. Soizuz no. 3: 16-17 '63.

MOSCOW — SILK MANUFACTURE — HYGIENIC ASPECTS

Moscow. Noyve Chermushki... S. Aleksandrov. Okhr. truda i sots. strakh. 6 no. 2:24-25 F '63.

MOSCOW — SOVIETS

District soviets at the present time. M. A. Postnikov. Gor. khoz. Mosk. 36 no. 2:3-5 F '62.

MOSCOW — STORAGE AND MOVING TRADE

Transportation and dispatching service for Moscow residents. A. O. Lushchitskii. Gor. khoz. Mosk. no. 2:23-25 F '62.

MOSCOW — STORES, RETAIL

Vacate trade premises not occupied according to purpose. G. Preisman. Sov. torg. 36 no. 1:23-24 Ja '63.

- MOSCOW—STREET RAILWAYS**
Dispatching equipment for city transportation systems. M. I. Nikolaev. Gor. khoz. Mosk. 36 no. 12:17-18 D '62.
- MOSCOW—STUDENTS**
History of the student movement in Moscow, 1901 to 1902. G. M. Golovkin. Trudy MGAI 16:231-251 '61.
- MOSCOW—STUDENTS, AFRICAN**
The Munchausen from the Associated Press. V. Sidentko. Nov. vrem. 20 no. 8:16-17 Mr '63.
- MOSCOW—SUBWAYS**
Traffic and carrying capacity of the subway. B. S. Koganov. Gor. khoz. Mosk. 36 no. 2:18-19 F '62.
- MOSCOW—SUBWAYS—AUTOMATIC TRAIN CONTROL**
Automatic control of subway trains. V. I. Loskutov. Mekh. i avtom. proizv. 17 no. 2:13-15 F '63.
- MOSCOW—SUBWAYS—STATIONS**
Stations of the new part of the surface-level section of the Arbatsky line. V. I. Mikhno. Transp. stroi. 12 no. 7:25-27 Ji '62.
- MOSCOW—SWANS**
Black swans in the bodies of water of Moscow. N. V. Denisova and others. Ornitologiya no. 5:286-289 '62.
- MOSCOW—TECHNICAL EDUCATION**
On the basis of traditional contacts with industry. M. G. Chilikin, K. N. Bokov. Vest. vys. shkoly 21 no. 2:7-10 F '63.
Studies bear fruit. V. Bogdanovskii. Klub 12 no. 8:10-11 Ag '62.
- MOSCOW—TECHNOLOGICAL INNOVATIONS**
Efficiency of measures for the mechanization and automation of production processes in enterprises of the Moscow City Economic Council. B. V. Chaivanov. Biol. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. no. 1:80-82 '63.
- MOSCOW—TELEPHONE**
Public telephones. E. P. Dubrovskii. Gor. khoz. Mosk. 36 no. 2:35-37 F '62.
- MOSCOW—TEXTILE INDUSTRY**
The "Trekhgornaya" factory struggles for progress. N. G. Osipov. Tekst. prom. 23 no. 1:4-6 Ja '63.
- MOSCOW—TEXTILE WORKERS**
Moscow and chermushki... Sov. profsoiuzy 19 no. 4:3 F '63.
- MOSCOW—THEATER**
Comedy (?). E. Kholodov. Teatr 24 no. 1:18-20 '63.
The hero who is now twenty years of age. K. Shcherbakov. Teatr 24 no. 1:58-64 Ja '63.
Poetry of good feelings. I. Vishnevskaya. Teatr 24 no. 1:23-25 Ja '63.
"Sovremennik Theater" and time. V. Kardin. Teatr 24 no. 1:44-57 Ja '63.
Step toward Stanislavskii. A. Matskin. Teatr 24 no. 1:13-17 Ja '63.
- MOSCOW—TIME STUDY**
Self-recording of the workday. Sov. profsoiuzy 19 no. 4:20-21 F '63.
- MOSCOW—TIRES, RUBBER**
New methods of evaluating the quality of production and some forms of material incentives. K. Gorlin. Sots. trud 7 no. 6:96-103 Je '62.
Self-recording of the workday. Sov. profsoiuzy 19 no. 4:20-21 F '63.
- MOSCOW—TRADE UNIONS**
The factory committee persuades... S. Naumov. Sov. profsoiuzy 19 no. 4:7 F '63.
- MOSCOW—TRAFFIC ACCIDENTS**
Clumsy drivers behind the steering wheel. M. Rudov. Za bezop. dvizh. 5 no. 2:16 F '63.
- MOSCOW—TRAFFIC ACCIDENTS—CASES**
Payment for inexperience. A. Aduv. Za bezop. dvizh. 5 no. 2:7 F '63.
- MOSCOW—TRAFFIC SAFETY**
You need a mature friend. T. Veselovskaya. Za bezop. dvizh. 5 no. 2:5 F '63.
- MOSCOW—TRAFFIC SAFETY—STUDY AND TEACHING**
School of traffic safety. S. Prishchepov. Za bezop. dvizh. 5 no. 2:10-11 F '63.
- MOSCOW—TRANSIT SYSTEMS**
A collective agreement is a guide to action. E. Abramov. Zhil. - kom. khoz. 12 no. 8:14 Ag '62.
- MOSCOW—TRANSPORTATION**
Improvement of public areas in the city: achievements and prospects. S. V. Bendovich. Gor. khoz. Mosk. 36 no. 12:11-14 D '62.
- MOSCOW—TRANSPORTATION, AUTOMOTIVE**
Good name of the working team. P. Nikitin. Avt. transp. 41 no. 1:10 Ja '63.
In the scientific technological society. Avt. transp. 41 no. 1:58 Ja '63.
- The Main Moscow Automotive Transportation Administration. V. Kuroptev. Za bezop. dvizh. 5 no. 2:1-2 F '63.
- MOSCOW—TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS**
Eighty suggestions in four years. V. Farber. Avt. transp. 41 no. 1:6 Ja '63.
- MOSCOW—UNDERPASSES**
Nadezhin, B. M. [Pedestrian and vehicular tunnels in Moscow] Peshchodnye i transportnye tuneli Moskvyy. [Moskva] Mosk. rabochii, 1962. 54 p.
- MOSCOW—VETERINARY COLLEGES**
Fortieth anniversary of the Moscow Veterinary Academy. N. M. Nikol'skii. Veterinariia 37 no. 7:11-13 Ji '60.
Scientific and educational work of the Moscow Academy of Veterinary Medicine. I. E. Moszgov. Veterinariia 37 no. 11:19-23 N '60.
- MOSCOW—VETERINARY MEDICINE**
City veterinary services. A. V. Kovrigin. Gor. khoz. Mosk. 36 no. 2:28-29 F '62.
- MOSCOW—VISITORS, BRITISH**
Weekend in Moscow. Sov. Soiz. no. 3:53 '63.
- MOSCOW—VOCATIONAL EDUCATION**
Creating a district technical commission. A. Shkodkina, S. Kamenskii. Shkola i proizv. 6 no. 8:84-85 Ag '62.
- MOSCOW—WAREHOUSES**
Executive weighers. I. A. Aleksandrov. Fin. SSSR 37 no. 2:68-69 F '63.
- MOSCOW—WORK CLOTHES**
The same overalls for all. Rabotnitsa 40 no. 7:9 Ji '62.
- MOSCOW—ZOOLOGICAL MUSEUMS**
Types of the ornithological collection of the Zoological Museum of Moscow University. Part 2. Nonpasserine birds. A. M. Sudilovskaya. Ornitologiya no. 5:431-437 '62.
- MOSCOW, BATTLE OF, 1941-1942**
Bukov, K. I. [Victory on the Moscow front] Pobeda pod Moskvoy. Moskva, Uchpedgiz, 1962. 156 p.
- MOSCOW PROVINCE—AGRICULTURE**
Kamshalov, A. I. [Young patriots on state farms and collective farms] Molodye patrioty v sovkhkhkh i kolkhkhkh. [Moskva] Mosk. rabochii, 1962. 62 p. (v pomoshch' agitatoru i propagandistu)
- MOSCOW PROVINCE—ARCHAEOLOGY**
Work of the archaeological section at scientific conferences on the history of the Moscow territory. I. A. Krasnov. Sov. arkh. 7 no. 1:331 '63.
- MOSCOW PROVINCE—BIRDS—FOOD**
Food of yellow bunting in Moscow Province. A. A. Inozemtsev. Ornitologiya no. 5:101-104 '62.
- MOSCOW PROVINCE—BUILDING TRADES—STUDY AND TEACHING**
Mastering a second occupation. N. Pron', M. Krylov. Prof. - tekhn. obr. 20 no. 1:27 Ja '63.
- MOSCOW PROVINCE—BUNTING (BIRDS)**
Food of yellow bunting in Moscow Province. A. A. Inozemtsev. Ornitologiya no. 5:101-104 '62.
- MOSCOW PROVINCE—CLOTHING INDUSTRY**
These shops make clothing from synthetic fabrics. Meist. prom. i khud. promys. 3 no. 1:20-21 Ja '63.
- MOSCOW PROVINCE—CONSTRUCTION INDUSTRY**
Socialist obligations of rural construction workers of Moscow Province. Sel', stroi. 15 no. 3:13 Mr '60.
- MOSCOW PROVINCE—DAIRY INDUSTRY**
Produce milk uniformly. I. Bakulin. Ekon. sel'khkh. 34 no. 2:101-103 F '63.
- MOSCOW PROVINCE—DAIRYING**
Experimental demonstration farms in Moscow Province. V. O. Zhivotnovodstvo 23 no. 5:84 My '61.
- MOSCOW PROVINCE—DUCKS—DISEASES AND PESTS**
Erysipelas and listerellosis in ducks. N. G. Tregubova. Veterinariia 38 no. 10:51 O '61.
- MOSCOW PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING**
Harvest time. B. Uspenskii. Prof. - tekhn. obr. 20 no. 1:21-22 Ja '63.
- MOSCOW PROVINCE—FIELD CROPS**
How much a hectare yields depends on the farmer. I. Zhirnov. Sov. profsoiuzy 19 no. 4:4-6 F '63.
- MOSCOW PROVINCE—INDUSTRIAL EQUIPMENT**
New equipment in enterprises of the Moscow Province Economic Council. N. S. Maizants. Biol. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. no. 1:82-84 '63.
- MOSCOW PROVINCE—LIBRARIES**
The trade-union soviet directs libraries. M. Nabatova. Klub 11 no. 6:31-32 Je '62.
- MOSCOW PROVINCE—POLITICS AND GOVERNMENT**
We have to solve many difficult problems. V. Kozlova. Sov. deput. trud. no. 3:15-18 Mr '63.
- MOSCOW PROVINCE—POULTRY INDUSTRY—AC-COUNTING**
Compute production costs monthly. P. V. Anisatov. Uchet i fin. v kolkhkh. i sovkhkh. 20 no. 1:44-46 Ja '63.
- MOSCOW PROVINCE—ROSES**
Nomerov, B. A. [Culture and varieties of roses in Moscow Province] Kul'tura i sorta roz Moskovskoi oblasti. [Moskva] Izd-vo Mosk. univ., 1962. 192 p.
- MOSCOW PROVINCE—STATE FARMS**
When a word reaches the target. E. Vilkulova. Agitator no. 7:47-49 Ap '62.
- MOSCOW PROVINCE—TEXTILE INDUSTRY—STATISTICS**
Methodology of grouping enterprises according to their fulfillment of basic plan indices. A. Dmitriev. Vozr. stat. no. 2:25-30 '63.
- MOSCOW PROVINCE—TRADE UNIONS**
The trade-union soviet directs libraries. M. Nabatova. Klub 11 no. 6:31-32 Je '62.
- MOSCOW PROVINCE—VETERINARY MEDICINE**
For higher productivity in the animal husbandry of Moscow Province. I. F. Chingayev. Veterinariia 38 no. 10:22-23 O '61.
- MOSCOW REGION—BIRDS—MIGRATION**
Winter migrations of the great titmouse and nuthatch in cultivated areas. N. V. Bel'skii. Ornitologiya no. 5:309-313 '62.
- MOSCOW REGION—CALVES—DISEASES AND PESTS**
Veterinary measures in raising calves with one cow feeding many calves. L. S. Starosel'skii. Veterinariia 38 no. 10:33-36 O '61.
- MOSCOW REGION—LANDSCAPE GARDENING**
Factory - garden. B. A. Bykov. Priroda 52 no. 2:81-85 '63.
- MOSCOW REGION—NUTHATCHES**
Winter migrations of the great titmouse and nuthatch in cultivated areas. N. V. Bel'skii. Ornitologiya no. 5:309-313 '62.
- MOSCOW REGION—TITMICE**
Winter migrations of the great titmouse and nuthatch in cultivated areas. N. V. Bel'skii. Ornitologiya no. 5:309-313 '62.
- MOSCOW REGION—VETERINARY MEDICINE**
Veterinary measures in raising calves with one cow feeding many calves. L. S. Starosel'skii. Veterinariia 38 no. 10:33-36 O '61.
- MOSCOW REGION—WINTER**
A series of warm winters. A. P. Moiseev. Priroda 52 no. 2:127 '63.
- MOSCOW VALLEY—ANTIQUITIES**
Exploration of the Dnyakovo Culture monuments in the Moscow Valley. I. A. Krasnov, N. A. Krasnov. Sov. arkh. 7 no. 1:204-218 '63.
- MOSENDZ, LEONID, 1897-1948**
[Yany, Yasy]. [Genealogy of L. M. Mosendz and his last works] Rodovid L. M. Mosendza i jeho ostanni lyty. [Non-Ulm] Ukraina'ki visti, "1901. 13 p. (in U)
- MOSHKEVICH, ISAI EVSEEVICH, 1897-1962**
Isai Evseevich Moshekevich. Stal' 23 no. 1:95 Ja '63.
- MOSKVA VALLEY—ALLUVIAL LANDS**
Investigation of the formation of clay in floodland soils of the non-Chernozem zone [with summary in English]. F. R. Zaidel'man, A. K. Ogleznev. Pochvovedenie no. 1:44-52 Ja '63.
- MOSKVA VALLEY—CLAY**
Investigation of the formation of clay in floodland soils of the non-Chernozem zone [with summary in English]. F. R. Zaidel'man, A. K. Ogleznev. Pochvovedenie no. 1:44-52 Ja '63.
- MOSKVA VALLEY—SOILS**
Soils of the Moskva River floodlands. G. V. Dorovol'skii. Poin. poch. rus. rav. no. 1:9-40 '62.
- MOSQUITOES** see subdivision under Kirghizistan
- MOSQUITOES—EXTERMINATION** see subdivision under Kirghizistan
- MOTHS—BIOLOGICAL CONTROL** see subdivision under Kirghizistan

MOTION

Determination of connection reactions in a system of solid bodies. A. I. Lur'e. Izv. AN SSSR, Otd. tekhn. nauk. Mekh. i mashinostr. no. 1:41-46 Ja-F '63.
On some one-dimensional unsteady motions of a charged gas [with summary in English]. V. A. Levin. Vest. Mosk. un. Ser. 1:Mat., mekh. no. 6:65-69 N-D '62.

MOTION-PICTURE AUDIENCES

The "Boi'shala kinoprogramma" thrives! M. Sul'kin, L. Furikov. Isk. kino 33 no. 1:114-120 '63.

MOTION-PICTURE CAMERAS

Calculating the resolving power of high-speed motion-picture cameras. G. I. Belinskaya, Zhur. nauch. i prikl. fot. i kin. 6 no. 1:42-47 Ja-F '63.

MOTION-PICTURE FESTIVALS

see subdivision under Moscow; Venice

MOTION-PICTURE INDUSTRY—TAXATION

How to check the accuracy of tax collections from motion-picture theaters and installations. R. Gubanova, V. Sorokin. Fin. SSSR 37 no. 2:79-81 F '63.

MOTION-PICTURE PHOTOGRAPHY

Motion-picture technology tomorrow and after tomorrow. E. Goldovskii. Isk. kino 33 no. 1:121-124 '63.

MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur.: Fotokinetekh. nos. 1-3 Ja-Mr '63.

MOTION-PICTURE PHOTOGRAPHY—SCIENTIFIC APPLICATION

One moment; motion pictures and photography in research. Sov. Soluz no. 3:26-27 '63.

MOTION-PICTURE PHOTOGRAPHY, HIGH-SPEED

High-speed photography of explosions. E. A. Agareva. Vzyryv, rab. no. 3:117-124 '66.

MOTION-PICTURE PLAYS

(see also subdivision under Bulgaria; Denmark; France; Ukraine)

"Dingo, a wild dog" and others. Sov. Soluz no. 0:24 '62.

"Don't make generalizations on horses!" I. Vaisfeld. Isk. kino 33 no. 1:108-113 '63.

From everywhere. Isk. kino 33 no. 1:144-146 '63.

In a new way on something new; on the film "Nine days of a year." I. Chicherov. Vop. lit. 6 no. 12:46-52 D '62.

Let's eat the pudding! Oleg Antonov. Isk. kino 33 no. 1:1-2 '63.

Motion-picture schedule. Isk. kino 33 no. 1:153-156 '63.

New motion pictures. Rab. i shkol. 30 no. 1:16-17 Ja '63.

New motion pictures. Sots. kul't. no. 2:44 F '63.

Oleg Tabakov occupies the screen. Ian Boreznitskii. Isk. kino 33 no. 1:99-100 '63.

Truth and courage of the artist. Mykhailo Kovalenko. Mystetstvo 9 no. 8:11-12 N-D '62.

Vadim Ilusov behind the motion-picture camera. Malla Merkol'. Isk. kino 33 no. 1:100-107 '63.

MOTION-PICTURE PROJECTION

(see also subdivision under Starchenkovskiy; Ukraine)

Motion-picture technology tomorrow and after tomorrow. E. Goldovskii. Isk. kino 33 no. 1:121-124 '63.

Projection of films in community centers (continuation). O. Pynyeh. Sots. kul't. no. 2:18-19 F '63.

MOTION-PICTURE PROJECTORS

An 8 mm. sound motion picture projector. V. Vovchenko. Radio no. 2:46-48 F '63.

MOTION-PICTURE THEATERS

see subdivision under Moscow

MOTION PICTURES

(see also subdivision under Czechoslovakia; Kazan; Mongolia; United States)

K. S. Stanislavskii wrote this on the new art of motion pictures. Isk. kino 33 no. 1:33-35 '63.

The law of friendship. Dmytro Musilenko. Ukraina no. 1:12-13 Ja '63.

Motion-picture theaters. B. Ascev. Klub 11 no. 6:18-19 Je '62.

Motion-picture theaters and spectators. Kul't.-pros. rab. 23 no. 8:51-52 Ag '62.

Motion pictures. Kul't.-pros. rab. 23 no. 0:41 S '62.

Old films begin a new life. A. Bilalov. Kul't.-pros. rab. 23 no. 0:55-56 S '62.

Optimistic tragedy. L. Osipova. Ogonek 40 no. 5:127 D '62.

MOTION PICTURES—CATALOGS

"For motion-picture universities of culture." Reviewed by F. Leonidov. Klub 12 no. 1:38-39 Ja '63.

MOTION PICTURES—CONGRESSES

First Congress of Motion-Picture Employees. Isk. kino 33 no. 1:25-26 '63.

MOTION PICTURES—MORAL AND RELIGIOUS ASPECTS

Tragedy of a deceived soul. E. Gromov. Nauka i rel. 4 no. 1:91-92 Ja '63.

MOTION PICTURES—PERIODICALS

In foreign magazines. Isk. kino 33 no. 1:147-149 '63.

MOTION PICTURES—PRODUCTION AND DIRECTION

Dzigan, E. L. [Scenario of a motion-picture producer] O rozhisserskom stsenarii. Moskva, Iskusstvo, 1961. 125 p. (Biblioteka molodogo kinematografista)

(CU)
Secret of influence upon the moviegoer. Isk. kino 33 no. 1:3-23 '63.

MOTION PICTURES—YEARBOOKS

[Motion-picture yearbook for 1953] Ezhegodnik kino 1953. Moskva, Iskusstvo, 1960. 486 p.

MOTION PICTURES, ANTIRELIGIOUS

(see also subdivision under Lvov; Ukraine)

As if it were about me... V. Dushkin. Isk. kino 33 no. 1:150 '63.

"A sinner." IA. Han. Voioy, atelst 3 no. 2:54-55 F '63.

MOTION PICTURES, DOCUMENTARY

Window on the world. V. Shneiderov. Kul't.-pros. rab. 23 no. 10:32-33 O '62.

MOTION PICTURES AND CHILDREN

see subdivision under Japan

MOTION PICTURES FOR CHILDREN

A great success. O. Ol'gina. Rabotnitsa 40 no. 3:17 Mr '62.

Through the eyes of a teacher. IU. Skrylev. Nar. obr. no. 2:97-98 F '63.

MOTION PICTURES IN AGRICULTURE

Bring the new to collective farms! S. Chekanov. Agitator no. 2:62-63 Ja '63.

Motion pictures on the harvesting of farm crops. Agitator no. 13:63 Ji '62.

Movies teach. Kul't.-pros. rab. 23 no. 12:12 D '62.

On the use of dubious facts in the documentary film "Science and technology." No. 20. Isk. kino 33 no. 1:24 '63.

The screen teaches leaders. M. Aleksandrov. Kul't.-pros. rab. 23 no. 12:28-29 D '62.

MOTION PICTURES IN CONSTRUCTION

Thematic plan for the production of motion pictures on problems in construction for 1963-1964. Biul. stroit. tekhn. 20 no. 2:38-41 F '63.

MOTION PICTURES IN EDUCATION

(see also subdivision under Ukraine)

Let's expand the use of motion pictures. P. P. Koleskova. Prep. iet. v shkole 18 no. 1:15-16 Ja-F '63.

New educational motion pictures. E. Mal'yi. Nar. obr. no. 2:82 F '63.

New educational motion pictures. L. A. Makh. Sred. spets. obr. 9 no. 12:59 D '62.

New educational motion pictures. V. Volodkovich. Prof.-tekh. obr. 20 no. 1:25 Ja '63.

Use of motion pictures in Russian language lessons. L. P. Pressman. Rus. inzh. v shkole 24 no. 1:62-66 Ja-F '63.

Working with the educational motion picture "Molecules and molecular movement." S. E. Kamenetskii. Fiz. v shkole 22 no. 6:43-44 N-D '62.

MOTION PICTURES IN INDUSTRY

Motion pictures and industrial hygiene. N. Aksenov. Okhr. truda i sots. strakh. 5 no. 12:22 D '62.

MOTION PICTURES IN MINING

"Save your eyes." Reviewed by N. Losev. Bezop. truda v prom. 6 no. 11:38-37 N '62.

MOTION PICTURES IN PETROLEUM ENGINEERING

Motion pictures on safety engineering. G. Levinskii. Bezop. truda v prom. 7 no. 2:30 F '63.

MOTION PICTURES IN SCIENCE

Sixteenth Congress of the International Scientific Film Association. Zhur. nauch. i prikl. fot. i kin. 6 no. 1:75 Ja '63.

MOTION STUDY

Working out time norms. K. Kuznetsova. Sots. trud 7 no. 12:82-80 D '62.

MOTIVATION (PSYCHOLOGY)

Experimental study of will [in Georgian with summary in Russian]. I. T. Bzhaleva. Trudy Inst. psikhol. AN Gruz. SSR 13:177-190 '62.

MOTOR FUELS—ANTIKNOCK AND ANTIKNOCK MIXTURES

Agatov, A. A. [Light fuels and their mixtures for sports motor vehicles] Legkie topliva i ikh smesi dlia sportivnykh dvigatelei. Moskva, DOSAAF, 1962. 67 p.

MOTOR PSYCHOLOGY

see Movement; Psychology of

MOTOR VEHICLES

Fuel and oil for new motor vehicles. Avi. transp. 41 no. 1:46 Ja '63.

Lyzo, G. P., A. P. Lyzo, and V. A. Lomovskii. [Tractors, motor vehicles, engines] Traktory, avtomobili, dvigateli. Pod obshch. red. G. P. Lyzo. Moskva, Vysshaya shkola, 1962. 481 p.

MOTOR VEHICLES—BIBLIOGRAPHY

see Bibliography—Motor vehicles

MOTOR VEHICLES—COLD WEATHER OPERATION

Eliminate shortcomings of the IAMZ starting preheater. R. Grakhovskii. Avi. transp. 41 no. 1:44-45 Ja '63.

MOTOR VEHICLES—DESIGN AND CONSTRUCTION

[Technology in the motor-vehicle and tractor industry] Tekhnologiya avtotraktorostroeniia [Dy] D. P. Mastov i dr. Moskva, Mashgiz, 1962. 432 p.

MOTOR VEHICLES—ELECTRIC EQUIPMENT

Centralized maintenance and repair of electrical devices. B. Levinson, G. Sivozhelezov, P. Ushchenko. Avi. transp. 41 no. 2:20-21 F '63.

Electrical equipment for the ZIL-130 motor vehicle. G. Gol'dberg, A. Zubarev. Avi. transp. 41 no. 2:44-47 F '63.

Universal device for checking the electrical equipment of motor vehicles. A. S. Golubev. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:50-51 '63.

MOTOR VEHICLES—ENGINES

(see also subdivision under Yaroslavl)

Bol'shakii, V. N. [Theory, design, and calculation of tractor and motor-vehicle engines] Teoriia, konstruktsiia i raschet traktornykh i avtomobil'nykh dvigatelei. Moskva, Sel'khozizdat, 1962. 390 p.

Checking oil dirtiness during the running-in of engines on stands. I. Barutkin, V. Isaev, M. Podshchekoldin. Avi. transp. 41 no. 2:27-28 F '63.

Gagarin, E. I. [Development of the design of motor-vehicle engines] Razvitiie konstruktsii avtomobil'nykh dvigatelei. Moskva, Izd-vo Akad. nauk SSSR, 1962. 186 p.

Technological means for increasing the service life of engines. I. B. Gurvich. Avi. prom. 29 no. 2:41-43 F '63.

MOTOR VEHICLES—ENGINES—SUPERCHARGERS

Investigating turbocharged supercharging of the IAM3-238N diesel engine. N. S. Khanin, B. A. Kiselev. Avi. prom. 29 no. 2:7-12 F '63.

MOTOR VEHICLES—INSPECTION

see subdivision under Moscow

MOTOR VEHICLES—LUBRICATION

Unit for the lubrication of motor vehicles. K. Kostin, A. Mirokhin. Avi. transp. 41 no. 2:25-26 F '63.

MOTOR VEHICLES—MAINTENANCE AND REPAIR

(see also subdivision under Georgia; Usuriysk)

From separate enterprises to a consolidated maintenance unit. Z. Gazar'lants, M. Kripitsker. Avi. transp. 41 no. 1:33-35 Ja '63.

Klohanov, B. V., and others. [Repair of motor vehicles and tractors] Remont avtomobil' i traktorov. Pod red. B. V. Kleanova. Moskva, Mashgiz, Pt. 2, 1962. 301 p.

Kuznetsov, A. I. [Course project on the repair of motor vehicles and road machinery] Kursovoe proektirovaniie po remontu avtomobil' i dorozhnykh mashin. Moskva, Avtotransizdat, 1962. 100 p.

Maintenance of motor vehicles. V. Kozlov. Tekh. v sel'khoz. 22 no. 12:46-47 D '62.

Movable scaffold. A. Shapovalov. Avi. transp. 41 no. 1:22-23 Ja '63.

Quality is the main criterion. Avi. transp. 41 no. 2:57-58 F '63.

Stand for cleaning motor-vehicle wheel rims. Blanter. Avi. transp. 41 no. 1:53 Ja '63.

Technology of reconditioning the bushing of the GAZ-51 engine by the method of plateless build-up welding and broaching. V. Filippov. Sbor. stud. nauch.-issl. rab. VSKhI 1 no. 1:120-132 '62.

MOTOR VEHICLES—REGISTRATION

Registration and sale of motor vehicles. V. Reznikov. Za bezop. dvizh. 5 no. 2:6-7 F '63.

MOTOR VEHICLES—STANDARDS

[Motor vehicles, trailers, parts and materials used in the manufacture of motor vehicles] Avtomobili, priksepy, detal'i i materialy, primenyaemye v avtomobil'stroenii. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 270 p. (SSSR. Gosudarstvennye standarty)

MOTOR VEHICLES—TECHNOLOGICAL INNOVATIONS

News of engineering abroad. Avi. transp. 41 no. 1:62 Ja '63.

MOTOR VEHICLES—TRANSMISSION DEVICES

"Cardan transmissions" by IA. E. Malekhovskii, A. A. Lapin, N. K. Vedenev. Reviewed by M. I. Lysov. Avi. prom. 29 no. 2:3 of cover F '63.

- MOTOR VEHICLES -- TRANSMISSION DEVICES** (Continued)
Characteristics of combined hydraulic torque converters. S. M. Trusov. Avt. prom. 29 no. 2:24-30 F '63.
New interaxle differential. Avt. transp. 41 no. 1:61 Ja '63.
- MOTOR VEHICLES--VIBRATION**
Characteristics of vibrations of multiaxle motor vehicles. R. V. Rotenberg. Avt. prom. 29 no. 2:30-35 F '63.
- MOTORBOATS**
Gantman, V. B. [Long voyages by boat] Na lodke v dal'nee plavanie. Moskva, Izd-vo DOSAAF, 1962, 228 p.
- MOTORBUS DRIVERS** see subdivision under Astrakhan
- MOTORBUS LINES**
(see also subdivision under Astrakhan)
Traffic intervals and the efficient operation of urban motorbuses. P. Kobzev. Avt. transp. 41 no. 2:11-13 F '63.
- MOTORBUS LINES--STATIONS**
(see also subdivision under Leningrad)
Standard design with shortcomings. V. D. Denisenko. Avt. dor. 25 no. 12:28 D '62.
- MOTORBUSES**
Avtosport, vsesoiuznoe ob'edinenie. Sovetskoe gruzovye avtomobily i avtobusy. Soviet-made motorbuses and buses. Moskva, [n.d.] 95 p. [Parallel texts in Russian and English]
- MOTORCYCLE INDUSTRY--ACCOUNTING** see subdivision under Kiev
- MOTORCYCLE RACING**
[Difficult routes; sketches of leading motorcycle and automobile drivers] Trudnye trassy; ocherki o masterakh mototsiklenogo i avtomobil'nogo sporta. Moskva, Izd-vo DOSAAF, 1962, 81 p.
- MOTORCYCLES**
Shvalkovskii, V. V. [Motorcyclist's manual for beginners] Uchebnyk nachinalushchego mototsiklista. Izd. 4., perer., i dop. Moskva, Izd-vo "Fizkul'tura i sport," 1962, 181 p.
- MOTORLESS FLIGHT** see Gliding and soaring
- MOTORSHIPS--DESIGN AND CONSTRUCTION**
Imperfections of the stern tube arrangement on the motorship "Murmansk." I. Khreblov, G. Bogdanov. Mor. flot 23 no. 2:33 F '63.
- MOTORSHIPS--HANDLING**
Operation of a catamaran motorship. V. Urtin. Rech. transp. 22 no. 1:22 Ja '63.
- MOTORTRUCKS**
Automobiles of the seven-year plan. V. Pavlenko. Nar. khoz. Kazakh. 20 no. 12:44-45 D '62.
Avtosport, vsesoiuznoe ob'edinenie. Sovetskoe gruzovye avtomobily i avtobusy. Soviet-made motorbuses and buses. Moskva, [n.d.] 95 p. [Parallel texts in Russian and English]
Multiple-purpose motortruck for service stations. V. Pleshakov. Avt. transp. 41 no. 2:23-24 F '63.
Operating properties of ZIL-130 motorbuses. V. Chernitskii. Avt. transp. 41 no. 1:38-41 Ja '63.
- MOTORTRUCKS--MAINTENANCE AND REPAIR**
Russia (1923- U.S.S.R.) Ministerstvo oborony. [Maintenance of the GAZ-51, GAZ-63, GAZ-69, and GAZ-69A motorbuses] Tekhnicheskoe obsluzhivanie avtomobilov GAZ-51, GAZ-63, GAZ-69 i GAZ-69A; rukovodstvo. Moskva, Voen. izd-vo M-va obor. SSSR, 1962, 150 p.
Russia (1923- U.S.S.R.) Ministerstvo oborony. [Maintenance of the ZIL-150, ZIL-164, ZIL-161 and ZIL-157 motorbuses] Tekhnicheskoe obsluzhivanie avtomobilov ZIL-150, ZIL-164, ZIL-161 i ZIL-157; rukovodstvo. Moskva, Voen. izd-vo M-va obor. SSSR, 1962, 125 p.
- MOTORTRUCKS--TRANSMISSION DEVICES**
Cardan transmission of ZIL-130 motorbuses. L. Tarasov. Avt. transp. 41 no. 1:41-43 Ja '63.
- MOUNTAIN ECOLOGY**
Growth of woody plants on the parent material of soils. V. M. Vepkhvadze. Trudy Inst. lesa AN Gruz. SSR 11: 127-133 '62.
- MOUNTAIN ROADS**
Organization of the construction of a mountain road. I. D. Nechaev. Avt. dor. 25 no. 12:18 D '62.
- MOUNTAINEERING**
(see also subdivision under Caucasus)
Effect of the conditions governing the high-mountain climbing on the interocular pressure. L. P. Kozlova. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu. no. 9:167-172 '62.
- MOUNTAINS** see subdivision under Syria
- MOVEMENT, PSYCHOLOGY OF**
Biriukova, Z. I. [Nervous system and sports] Nervnaya sistema i sport. Moskva, Fizkul'tura i sport, 1962, 39 p. (Biblioteka sportmena)
- MOWING MACHINES**
Additional equipment for the ZhrB-4, 9 mower for improving, swath cutting of grain. V. Meshcheriakov, V. Nedovesov. Tekh. v sel'khoz. 22 no. 7:71-73 Ji '62.
Attachment for adjusting the cutting step of mowing machines. E. Milovanov. Tekh. v sel'khoz. 22 no. 7:73-74 Ji '62.
- MOZHAYSK--DESCRIPTION**
Mozhaysk today. I. Tsygankov. Zhil.-kom. khoz. 12 no. 8:3-4 S '62.
- MTSENSK--MUSEUMS**
And the museum began to live... V. Samsanov. Kul't. -pros. rab. 23 no. 12:46-48 D '62.
- MUCOIDS**
Determination of mucoprotein (by its tyrosin) in rheumatic fever patients [with summary in English]. L. I. Morozova. Vrach. delo no. 11:34-39 N '62.
- MULBERRY--VARIETIES** see subdivision under Azerbaijan
- MUMPS**
Importance of an aborted and asymptomatic infection in the formation of mumps outbreaks in children's homes. N. S. Kliachko. Trudy Len. inst. epid. i mikrobiol. 22: 122-138 '61.
Materials for specific laboratory diagnosis of atypical forms of epidemic parotitis. N. S. Kliachko. Trudy Len. inst. epid. i mikrobiol. 22:109-121 '61.
Rare case of silent tetanus infection provoked by epidemic parotitis. V. N. Leiman. Sbor. rab. Sverd. med. inst. no. 32:78-80 '61.
- MUMPS--PREVENTIVE INOCULATION**
Duration of the retention of vaccination immunity following intracutaneous inoculations with a live antimumps vaccine. N. S. Kliachko. Trudy Len. inst. epid. i mikrobiol. 19:103-114 '59.
Further study of the epidemiological effectiveness of vaccinations with a live antiparotitis vaccine. N. S. Kliachko, R. P. Shaposhnikov. Trudy Len. inst. epid. i mikrobiol. 19:83-102 '59.
Materials for the study of immunization of children against mumps with a live attenuated vaccine after the virus has been brought into children's homes. R. P. Shaposhnikov and others. Trudy Len. inst. epid. i mikrobiol. 22:74-85 '61.
Materials for the study of the developmental mechanism of inoculation immunity against mumps; preliminary report. N. S. Kliachko, N. V. Galko. Trudy Len. inst. epid. i mikrobiol. 22:84-108 '61.
Reactogenic and immunogenic characteristics of simultaneous vaccination conducted with a live antiparotitis vaccine and a killed poliomyelitis vaccine. E. S. Shikina, L. M. Boichuk, L. M. Kurnosova. Trudy Len. inst. epid. i mikrobiol. 19:115-123 '59.
Results of the study of the safety and immunological effectiveness of simultaneous vaccinations with live vaccines against poliomyelitis and mumps. N. V. Galko, L. M. Kurnosova, G. P. Malinina. Trudy Len. inst. epid. i mikrobiol. 22:86-93 '61.
- MUMPS VIRUS**
Resistance of the mumps virus to storage at different external temperatures. N. S. Kliachko, N. V. Galko. Trudy Len. inst. epid. i mikrobiol. 22:139-145 '61.
- MUNICIPAL ART** see Art, Municipal
- MUNICIPAL LAUNDRIES** see Laundries, Public
- MUNICIPAL SERVICES**
(see also subdivision under Khabarovsk; Moscow)
Banners and prizes to the best collectives. Zhil.-kom. khoz. 12 no. 8:9 S '62.
More community services for the population. V. Moskalov. Zhil.-kom. khoz. 12 no. 8:1-2 S '62.
Never reconcile yourself to this. Zhil.-kom. khoz. 12 no. 8:5 Ag '62.
Public services; present state and prospects. N. I. Alimkin. Gor. khoz. Mosk. 36 no. 12:22-25 D '62.
Readers report, advise, suggest... N. Urobin, A. Raditshev, N. Sokolov. Zhil.-kom. khoz. 12 no. 10:31 O '62.
Readers report, advise, suggest... Zhil.-kom. khoz. 12 no. 8:15 Ag '62.
What the first half-year has revealed. G. Isarov. Zhil.-kom. khoz. 12 no. 9:7-8 S '62.
- MUNICIPAL SERVICES--BIBLIOGRAPHY** see Bibliography--Municipal services
- MUNICIPAL SERVICES--COSTS**
Spend the State's money carefully. A. Reznik. Zhil.-kom. khoz. 12 no. 10:12-14 O '62.
- MUNICIPAL SERVICES--EQUIPMENT AND SUPPLIES**
A municipal economy needs modern equipment. Zhil.-kom. khoz. 12 no. 10:1-2 O '62.
- MUNITIONS** see subdivision under Herstal, Belgium
- MURAL PAINTING AND DECORATION**
Secrets of the fresco. M. I. Kurikho. Iskusstvo 23 no. 9:46-52 '62.
- MURDER**
(see also subdivision under Fastov)
Role of the correct evaluation of basic clues in the investigation of premeditated murder cases. I. Danylov. Rad. pravo no. 1:50-53 Ja-F '63.
- MURGAB VALLEY--COTTON GROWING**
Some new cultivation practices for fine-fiber cotton in the Murgab Valley. V. N. Fursov, V. P. Zhironovskov. Trudy lei. sel. sta. 1:86-89 '61.
- MURMANSK--FISHERIES**
The way to hearts. N. Koneva. Polit. samochr. 7 no. 1:86-89 Ja '63.
- MURMANSK--SERVICE INDUSTRIES**
In our arctic regions. G. Shatalov. Mest. Prom. i khud. promysl. 4 no. 2:11-12 F '63.
- MURMANSK PROVINCE--ECONOMIC CONDITIONS**
Kamenova, T. A., and P. M. Khaustov. [The resources of Murman will be made available to the people] Bogatstva Murmana, naroda. [Murmansk] Murmanskoe knizhnoe izd-vo, 1961, 69 p. (MI)
- MUROM--DESCRIPTION**
Murom is 1,100 years old. A. Sorokin. Zhil.-kom. khoz. 12 no. 9:5-6 S '62.
- MUSATOV, ALEKSEI IVANOVICH, 1911-**
Nikolaev, V. N. [Aleksol Musatov; an account of his life and works] Aleksol Musatov; kritiko-biograficheski ocherk. Moskva, Delgiz, 1962, 61 p. (Dom detkol knigi) (MI)
- MUSCLE**
Age-related changes in the membrane potential of striated muscle fibers. A. I. Novikova. Fiziol. zhur. 48 no. 12: 1504-1506 D '62.
Effect of acetyl choline, succinyl choline, and choline on the resting potential of striated muscle fibers [with summary in English]. I. S. Mahura. Dop. AN URSSR no. 12:1635-1637 '62.
Nuclear multiplication and DNA synthesis in the developmental process of somatic musculature. I. Zhinkin, L. Andreeva. Dokl. AN SSSR 149 no. 1:165-168 M '62.
Reactive posttraumatic changes in the muscular tissue after local X-ray irradiation of the thyroid gland. T. N. Tuzhilikova. Radiobiologiya 3 no. 1:87-70 '63.
- MUSCLE RELAXANTS**
Use of the new muscle relaxant bromofillin in intratracheal ether-oxygen narcosis. A. T. Varlanian. Vop. rent. i onk. 6:273-276 '61.
- MUSCLES**
Effect of formalin, monodacetate and potassium cyanide on the physical electrotomus of the smooth muscle. M. F. Shuba. Fiziol. zhur. 48 no. 12:1511-1516 D '62.
Experiments on the dynamic and static work of muscles. E. S. Press. Biol. v shkole no. 5:42-44 S-O '62.
Heterochronous development of functionally different striated muscles in the embryogenesis of man. A. A. Klishov. Dokl. AN SSSR 147 no. 5:1238-1241 D '62.
- MUSCLES--DISEASES**
Neurological symptoms in progressive muscular ossification [with summary in English]. K. D. Logachev. Vrach. delo no. 11:73-77 N '62.
- MUSCLES--HYDATIDS**
Case of a echinococcal hydatid cyst of hip muscles. I. A. P. Melamed, N. G. Shcheglova. Zdrav. Kazakh. 22 no. 11:70-71 '62.
- MUSCLES--INNERVATION**
Role of a plastic condition, caused by denervation, in muscular reactions to radiation. M. F. Popova. Dokl. AN SSSR 146 no. 1:227-230 Ja '63.
- MUSCLES--MOTILITY**
Hypothesis of the physical nature of the forces of muscular contraction. L. Kh. Eldus. Dokl. AN SSSR 147 no. 5:1204-1207 D '62.
- MUSEUM TECHNIQUES**
"Talking stand." I. Dunayevskii. Klub 11 no. 4:10 Ap '62.
- MUSEUMS**
(see also subdivision under Azerbaijan; Krasnodon; Mtsensk; see also "Art galleries and museums" under Gorlovka; Kholy; Leningrad; Palekh; Prague)
In a factory museum. G. Gennadiyev. Kul't. -pros. rab. 23 no. 4:6-8 Ap '62.
- MUSHROOM CULTURE**
Growing champignons in pots and boxes (from "Biologia w szkole," No. 5, 1961). Z. Rozciszewska-Geserowska. Biol. v shkole no. 6:70 N-D '62.

MUSIC—ANALYSIS, APPRECIATION

Is it possible to explain musical compositions? V. Rossi-khina, Kul't.-pros. rab. 23 no. 10:30-31 O '62.
Music sounds, G. Trotskaia, Rabotnitsa 40 no. 7:25 JI '62.
Music lectures, A. Liberman, Shkola-int. no. 6:60-62 N-D '62.

MUSIC—HISTORY AND CRITICISM

Protopopov, V. V. [History of polyphony in its most significant aspects; Russian classical and Soviet music] Istoriia polifonii v ee vazhneishikh iavleniakh; russkaia klassicheskaia i sovetskaya muzyka. Moskva, Muzgiz, 1962, 294 p.

MUSIC, INFLUENCE OF

Sokhor, A. [Educational role of music] Vospitatel'nai rol' muzyki. Leningrad, Muzgiz, 1962, 64 p. (Biblioteka muzykal'nogo obrazovaniia)

MUSIC, POPULAR (SONGS, ETC.)

From the pages of the press. Sov. Soluz. no. 0:44-45 '62.

MUSIC FESTIVALS see subdivision under Ulan Bator

MUSICAL FORM

Dmitriev, A. N. [Polyphony as a factor in the development of form; theoretical studies of Russian classical and Soviet music] Polifoniia kak faktor formoobrazovaniia; teoreticheskie issledovaniia na materialo russkoi klassicheskoi i sovetskoi muzyki. Leningrad, Muzgiz, 1962, 487 p.

MUSICAL INSTRUMENTS see subdivision under Uzbekistan

MUSICAL INSTRUMENTS—REPAIRING

Improving the quality of the repair of keyboard musical instruments. D. V. Orlov, Gor. khoz. Mosk. 36 no. 2:33-34 F '62.

MUSICAL INSTRUMENTS, ELECTRONIC

Electronic musical instrument, A. Spitsyn, A. Stepan'tants, Radio no. 3:44-47 Mr '63.

MUSICAL INSTRUMENTS, UKRAINIAN

The tunes of our country. Ivan Kushtenko, Ukraina no. 13:18 JI '62.

MUSICIANS—CORRESPONDENCE, REMINISCENCES, ETC.

Fokine, M. M. [Against the current; reminiscences of a ballet master. Articles, letters] Protiv tocheniia; vospominaniia baletmeistera. Stat'i, pis'ma. Leningrad, Izd-vo "Iskusstvo," 1962, 636 p.

MUSK

Odoriferous principle with a sweet musk odor obtained from a clerical mixture. K. A. Bogdanov, L. M. Shulov, E. F. Iakusheva, Masl. -zhir. prom. 29 no. 1:37 Ja '63.

MUTTON

Chemical composition of the meat of wethers, castrated without the removal of the epididymis and the connective tissue base of the testicle. A. A. Baiburtian, M. L. Kentikian, A. S. Stepanian, Zhivotnovodstvo 23 no. 5:37-38 My '61.

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Conference of specialists of the member countries of the Mutual Economic Assistance Council. IA, D. Koziner, Kauch. i rez. 22 no. 2:53 F '63.

Cooperative development within the framework of the Mutual Economic Assistance Council; on the 14th anniversary of the Mutual Economic Assistance Council [with English summary in appendix]. N. Pichkin, Vnesh. torg. 42 no. 1:3-8 '63.

The Council of Mutual Economic Assistance and the problem of power resources; an interview with N. V. Fedeov, Nov. vrem. 20 no. 10:13-14 Mr '63.

"Fraternal cooperation" by S. Zhurba. Reviewed by N. Klymenko, Komm. Ukr. 37 no. 5:91-92 My '62.

New problems in the cooperation of the socialist countries. Zdenek Fierlinger, Nov. vrem. 20 no. 12:3-5 Mr '63.

New stage in the trade among the countries participating in the Mutual Economic Assistance Council [with English summary in appendix]. A. Pollenko, Vnesh. torg. 42 no. 1:9-13 '63.

MYCOBACTERIUM TUBERCULOSIS

Cytochemistry of drug-resistant strains of Mycobacterium tuberculosis [in Georgian with summary in Russian]. T. V. Zakariadze, Trudy Tbil. GIDUV 6:333-337 '62.

Effectiveness of treatment of pulmonary tuberculosis with chemopreparations in relation to the drug susceptibility or resistance of Mycobacterium tuberculosis [in Georgian with summary in Russian]. L. S. Kartozia, Trudy Tbil. GIDUV 6:263-273 '62.

Studying some strains of Mycobacterium tuberculosis in Dubos' reaction. G. Piskunov, D. Dergachev, Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:207-208 '62.

MYCOSES

Fractional X-raytherapy for trichomycoses of the hairy portion of the head. G. S. Sokolenko, Zdrav. Kazakh, 22 no. 11:65-66 '62.

Mycosis in ants; preliminary report. O. L. Rudakov, Sbor. ent. rab. no. 1:128-130 '62.
Some data on the histopathology of intestines in digestive mycotoxicosis of swine. A. Panov, Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:165-168 '62.

MYNAHS see subdivision under Repelek region

MYRIAPODA see subdivision under Tatar A. S. S. R.

MYENTERIC PLEXUS

Morphology of neurons and their synaptic connections in the Auerbach plexus of the stomach in reptiles. S. S. Reshetnikov, Dokl. AN SSSR 148 no. 1:202-205 Ja '63.

MYTISHCHI—COMMUNITY ORGANIZATION

The city council received a complaint. Zinalda Bobrova, Sov. Soluz. no. 3:49-51 '63.

NADZHMI, KAVI, 1901-1957

Gizattulin, Nur. [Kavi Nadzhmi; an account of his life and works] Kavi Nadzhmi; kritiko-biograficheski ocherk. Kazan', Tatnigolizdat, 1957, 131 p. (NRC)

NAKHICHEVAN A. S. S. R.—FOLDS (GEOLOGY)

Jurassic volcanism in the Nakhichevan folded area. Sh. A. Azizbekov, A. E. Bagirov, Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefli no. 4:79-87 '62.

NAKHICHEVAN A. S. S. R.—HISTORY

History of the city of Nakhichevan in the ancient period and the early Middle Ages [in Azerbaijani with summary in Russian]. Rauf Mamedov, Trudy Muzeya ist. Azerb. 5:40-67 '62.

NAKHICHEVAN A. S. S. R.—ROCKS, IGNEOUS—ANALYSIS

Jurassic volcanism in the Nakhichevan folded area. Sh. A. Azizbekov, A. E. Bagirov, Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefli no. 4:79-87 '62.

NAL'CHIK—VIEWS

[The resort of Nal'chik; photographs of Kabardino-Balkaria] Kurort Nal'chik; Kabardino-Balkaria v foto-animakh. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo. 1962, 1 v. illus.

NAMANGAN PROVINCE—COLLECTIVE FARMS—MANAGEMENT

The party organization of a collective farm. A. Akramov, Part. zhizn' [Uzb.] 6 no. 1:68-71 Ja '63.

NAMES, GEOGRAPHICAL—TURKIC see subdivision under Asia, Central

NAMES, PERSONAL

Uspenskiĭ, L. V. [A word about words. You and your name] Slovo o slovakh. Ty i tvoe imia. [Leningrad] Lendizdat, 1962, 633 p.

NAPHTHA—THERAPEUTIC USE

Professor Pashayev's ointment. Eduard Abramian, Ukraina no. 13:25-26 JI '62.

NAPHTHALENE

Hydrocarbons of the naphthalene series in naphtha and gas oils of catalytic cracking. N. M. Indukov, M. K. Danilov, Khim. i tekhn. topol. i masol 8 no. 1:16-19 Ja '63.

Synthesis and catalytic isomerization of phenylnaphthalenes and their hydrogenated derivatives. O. M. Nefedov, Shi Mel-fan [Sikh Mel-fang]. Neftokhimiia 3 no. 1:46-54 Ja-F '63.

NAPHTHALENE SULFONIC ACID

Naphthalene series, Part 20: Alkaline fusion of disulfonic acids of 2,2'-dinaphthyl sulfones (5,5'- and 7,7'-dihydroxy-2,2'-dinaphthyl sulfones; 5-hydroxy-5'-sulfonic acid and 7-hydroxy-7'-sulfonic acid of 2,2'-dinaphthyl sulfones). V. V. Kozlov, G. S. Tsubianskaya, Zhur. ob. khim. 33 no. 2:660-664 F '63.

Naphthalene series, Part 20: Alkaline fusion of disulfonic acids of 2,2'-dinaphthyl sulfones (5,5'- and 7,7'-dihydroxy-2,2'-dinaphthyl sulfones; 5-hydroxy-5'-sulfonic acid and 7-hydroxy-7'-sulfonic acid of 2,2'-dinaphthyl sulfones). V. V. Kozlov, G. S. Tsubianskaya, Zhur. ob. khim. 33 no. 2:660-664 F '63.

NAPHTHALENESULFONIC ACID

Naphthalene series, Part 20: Formation of aromatic disulfones. V. V. Kozlov and others. Zhur. ob. khim. 33 no. 2:664-667 F '63.

Studying the structure of metallized dye complexes. Report No. 3: Formation of color complex compounds from 1,8-dioxynaphthalene-3,6-disulfonic acid (chromotropic acid). P. I. Mikhailenko, V. I. Butenko, Izv. vya. ucheb. zav. i tekhn. tekst. prom. no. 6:103-110 '62.

NAPHTHALENE

Reduction of esters of 2,3-naphtholcarboxylic acid to esters of 2,3-tetralonecarboxylic acid. N. M. Przhialgovskaya and others. Zhur. ob. khim. 33 no. 2:635-637 F '63.

NAPHTHOIC ACID

Reduction of esters of 2,3-naphtholcarboxylic acid to esters of 2,3-tetralonecarboxylic acid. N. M. Przhialgovskaya and others. Zhur. ob. khim. 33 no. 2:635-637 F '63.

NAPHTHOLIC ACID

Reduction of naphtholcarboxylic acids, Part 8: Reduction dimerization of methyl esters of 2,3- and 2,1-naphtholcarboxylic acids. N. M. Przhialgovskaya and others. Zhur. ob. khim. 33 no. 2:632-635 F '63.

NARO-FOMINSK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Instructors under the new conditions. G. I. Akushev, Part. zhizn' no. 5:35-38 Mr '63.

NARROW-GAUGE RAILROADS see Railroads, Narrow-gauge

NATIONAL COUNCIL OF THE CHURCHES OF CHRIST IN THE UNITED STATES OF AMERICA

Conference with a delegation of the National Council of Churches of Christ in the U. S. A. S. Preobrazhenskii, Zhur. Mosk. Patr. no. 12:43-52 D '62.

NATIONALITIES

(see also subdivision under Niger; Uzbekistan)

The 40th anniversary of the establishment of the U. S. S. R. M. A. Akhmedova, Obshchestv. nauki v Uz. 6 no. 12:7-13 '62.

The 40th anniversary of the U. S. S. R. G. Petukhova, Nar. khoz. Kazakh. 20 no. 12:12-15 D '62.

Forty years under the banner of Lenin's nationality policy. N. Matlushkin, Otv. na vop. trud. no. 11:2-11 N '62.

The great fraternity. I. A. Nasriddinova, Nar. khoz. Uzb. 4 no. 12:12-23 D '62.

Socialist nations on the road to communism. N. Matlushkin, Komm. Vooruzh. Sil 3 no. 23:13-21 D '62.

NATIONALITIES—BIBLIOGRAPHY see Bibliography—Nationalities

NATURAL HISTORY see subdivision under Russia, Northern; Sikhote-Alin' Range

NATURAL RESOURCES see subdivision under Buryat A. S. S. R.; Siberia; Ukraine, Western

NATURAL RESOURCES—RESEARCH

In the Council for the Study of Productive Resources attached to the State Planning Committee of the U. S. S. R. N. Utenkov, Vop. ekon. no. 1:158-160 Ja '63.

NATURE STUDY

(see also subdivision under Poland)

My work with young naturalists. V. S. Shaga, Biol. v shkole no. 5:62-63 S-O '62.

Nature of our homeland and aesthetic education of students. E. I. Turbina, Biol. v shkole no. 5:34-37 S-O '62.

"Stories of a naturalist," N. A. Mantel'ell, Nach. shkola 31 no. 1:78-79 Ja '63.

NATURE STUDY—AUDIO-VISUAL AIDS

"Audio-visual aids for nature study in grades 1-4" by P. A. Zavit'nev, Reviewed by A. N. Kolokol'nikov, Nach. shkola 31 no. 1:84-86 Ja '63.

NAUTICAL ASTRONOMY

Personal error in observations for the measurement of the altitude of celestial bodies. V. P. Kuznetsov, Mor. sbor. 46 no. 2:65-69 F '63.

Possibility of daytime observations and altitude measurements of stars. V. S. Volkov, Inform. sbor. TSNIIMF no. 60. Sudovozh. i aviaz' no. 15:34-38 '61.

NAUTICAL ASTRONOMY—GRAPHIC METHODS

Graphic method of determining a ship's location by the sun with $\alpha > 87^{\circ}30'$. B. A. Vul'fovich, Inform. sbor. TSNIIMF no. 60. Sudovozh. i aviaz' no. 15:38-40 '61.

NAUTICAL TRAINING SCHOOLS see subdivision under Gorkiy

NAVAL ARCHITECTURE

Out-of-town session of the Section on Seaworthiness in the Central Administration of the Scientific and Technical Society for Shipbuilding. I. A. Minovich, Sudostroenie 20 no. 2:83-84 F '63.

Potentialities for reducing the time required for ship design. B. A. Tsarev, E. S. Urazov, Sudostroenie 20 no. 2:52-53 F '63.

Selecting the specific capacity of a vessel. B. Pakhomov, Rech. transp. 22 no. 1:20-30 Ja '63.

NAVAL ARCHITECTURE—BIBLIOGRAPHY see Bibliography—Naval architecture

NAVAL EDUCATION

Improve the practical training of naval school students. V. I. Berman, Mor. sbor. 46 no. 2:49-53 F '63.

NAVIES see also subdivision 'Navy' under Russia

NAVIGATION—CONGRESSES

International Conference in Kite. Inform. sbor. TSNIIMF no. 66. Sudovozh. i aviaz' no. 17:47-68 '61.

NAVIGATION (AERONAUTICS)

Measuring the true course during the night. L. Vorob'ev, Av. i kosm. 45 no. 2:50-53 F '63.

- NAVIGATION, INERTIAL (AERONAUTICS)** see Inertial navigation (Aeronautics)
- NEAR EAST—HISTORY**
Article on the methods of historical research, G. A. Koshelenko. Vop. ist. 38 no. 2:198-199 F '63.
- NECESSITY (PHILOSOPHY)**
Some problems in the correlation of necessity and chance [in Georgian with summary in Russian]. G. V. Tsintsadze. Trudy Inst. filos. AN Gruz. SSR 11:53-75 '62.
- NECROSIS, BACILLARY**
Treatment of cattle extremities infected with necrobacillosis. D. N. Bondar'ko. Veterinaria 37 no. 7:42 J1 '60.
Treatment of lambs infected with Bact. necrophorum. R. A. Akhmedzhanov. Trudy Uz. nauch. -issl. inst. vet. 14:91-95 '61.
- NECTARIES**
Structure of floral nectaries. V. Kh. Tutaliuk. Trudy Inst. bot. AN Azerb. SSR 23:5-22 '62.
- NEDZVI REGION—FOREST REPRODUCTION**
Succession of the main forest formations and processes of reforestation of burned areas in the Nedzi Gorge. T. G. Bakhshiani. Trudy Inst. lesa AN Gruz. SSR 11:201-212 '62.
- NEFTLENK—OIL FIELDS**
Cambrian, the discovered sea. I. Mironov. Znan. -sila 37 no. 12:2-5 D '62.
- NEFTYANYE KAMNI REGION—OIL RESERVOIR ENGINEERING**
Results of testing the series "break" in the tectonic block 4 of the Neftyanne Kamni field and division of the series into production horizons. E. A. Mamedov. Azerb. neft. khoz. 41 no. 7:8-11 J1 '62.
- NEFTYANYE KAMNI REGION—OIL WELL DRILLING, SUBMARINE—FIRES AND FIRE PREVENTION**
Smolin, V. N. [Happiness through difficulties] Schast'e trudnykh dorog. Moskva, Voenizdat, 1962, 77 p.
- NEFTYANYE KAMNI REGION—WAVES**
Calculating the parameters of sea waves caused by wind in the Neftyanne Kamni region. A. A. Kerimov, D. B. Chomakov. Izv. AN Azerb. SSR, Ser. geol. -geog. nauk 1 no. 4:133-143 '62.
- NEGRO PERIODICALS (AMERICAN)**
Africa's new image. V. Sidenko. Nov. vrem. 20 no. 11:28-29 Mr '63.
- NEGROES IN LITERATURE** see subdivision under South Africa, Republic of
- NEIBURG, MARIA FEDOROVNA, 1896-?**
Maria Fedorovna Neiburg; obituary. Izv. AN SSSR, Ser. geol. 28 no. 1:106-107 Ja '63.
- NEISSERIA**
Meningococcus toxin and its derivatives in the Schwartzman phenomenon [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:154-160 '60.
Schwartzman phenomenon with meningococcal preparations under conditions of changed sensibility of the organism [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:161-165 '60.
- NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877**
The argument about the great sinner; the Nekrasov legend "About two great sinners" and its sources. M. M. Gin. Rus. fol'k. 7:84-87 '62.
Chukovskii, K. I. [Craftsmanship of Nekrasov] Masterstvo Nekrasova. Izd. 4. Moskva, Goslitizdat, 1962, 727 p.
Folklore in N. A. Nekrasov's prose. A. N. Lur'e. Rus. fol'k. 7:98-105 '62.
"I believe in my people..."; the 85th anniversary of N. A. Nekrasov's death. M. Gorlachkina. Nauka i rel. 4 no. 1:87-89 Ja '63.
- NEMAN VALLEY—WATER, UNDERGROUND**
Role of artesian waters as a source of large rivers as revealed by the studies in the middle and lower Neman Valley. I. S. Zektser. Meteor. i gidrol. no. 2:42-46 F '63.
- NEMATODE DISEASES OF PLANTS**
Plant helminthology, its subject matter and problems. A. A. Paramonov. Vest. AN SSSR 33 no. 2:56-59 F '63.
- NEMIROVICH-DANCHENKO, VLADIMIR IVANOVICH, 1858-1943**
Abalkin, N. A. [An artist and the revolution; work of V. I. Nemirovich-Danchenko during the Soviet years] Khudozhnik i revoliutsiia; tvorchestvo V. I. Nemirovicha-Danchenka v sovetskie gody. Moskva, Iskusstvo, 1962, 298 p.
- NEODYMIUM-MAGNESIUM-MANGANESE ALLOYS** see Magnesium-neodymium-manganese alloys
- NEOSTIGMINE—TOXICOLOGY**
Poisoning with proserpine. B. A. Mitropol'skii. Vrach. delo no. 1:140-141 Ja '63.
- NEPAL—FOREIGN RELATIONS—RUSSIA**
The far away becomes the near. L. Aganina. Az. 1 Afr. seg. no. 2:38 F '63.
- NEPHELINE**
Saito, M. S., and V. R. Klem. [Porous fine concretes hardened in autoclaves] Porizovannye melkozernniste betony avtoklavnogo tverdeniia. Leningrad, Gosstroizdat, 1962, 58 p.
- NEPHELINE—ELASTIC PROPERTIES**
Elastic properties of rock-forming minerals. Report No. 2: Nepheline. T. V. Ryzhova, K. S. Aleksandrov. Izv. AN SSSR, Ser. geofiz. no. 12:1799-1801 '62.
- NEPHELINE SYENITE** see subdivision under Dnieper Valley
- NERO LAKE REGION—BIRDS**
Observations on birds in the depression of Lake Nero (Yaroslavl Province). E. I. Korenberg. Ornitologiya no. 5:105-107 '62.
- NERUSSA VALLEY—DRAINAGE**
Using the OM-202 excavator in the establishment of drainage network in floodlands of the Nerussa River. V. I. Korolev. Trudy Brian. tekhn. inst. 9:205-304 '60.
- NERVES**
Autoradiographic detection by the use of H³-thymidine of the synthesis of deoxyribonucleic acid in the nerve cells of white rats after whole-body X-ray irradiation. N. D. Gracheva. Radiobiologiya 3 no. 1:81-87 '63.
Characteristics of the structure of synaptic endings in the Burdach's nucleus. G. I. Kozlova. Dokl. AN SSSR 149 no. 1:186-190 Mr '63.
Effect of the original functional state on the staining capacity of spinal ganglia of rats under stimulation. D. L. Rozenfel'd, K. A. Filatova. Fiziol. zhur. 48 no. 12:1408-1503 D '62.
Electron microscope study of a nerve rudiment and its early stages of development. E. Kh. Primak. Dokl. AN SSSR 148 no. 2:477-480 Ja '63.
- NERVES—ABNORMALITIES AND DEFORMITIES**
Case of absence of the descending branch of the hypoglossal nerve. E. M. Luchanskii. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:129-131 '58.
- NERVES—DEGENERATION AND REGENERATION**
Regeneration in hemorrhage in a partially injured nerve [with summary in English]. P. A. Perfidov. Vrach. delo no. 1:83-87 Ja '63.
- NERVES, CARDIAC**
Effect of reserpine on cardiac chemoreflexes [with summary in English]. I. N. Pidevich. Vest. AMN SSR 18 no. 1:41-47 '63.
Effect of serotonin on cardiac and pulmonary mechanoreceptors [with summary in English]. A. P. Gilev. Vest. AMN SSR 18 no. 1:47-52 '63.
Changes in the intramural nervous apparatus of the heart during the ligation of the coronary artery [in Georgian with summary in Russian]. Sh. A. Chergelshvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:371-376 '62.
- Experimental myocardial infarction and the reaction of the intramural neural elements of the cardiac veins proper [with summary in English]. P. A. Shpita. Vrach. delo no. 1:57-61 Ja '63.
- NERVES, CRANIAL**
Materials on the variability in the cellular structure of the cerebral cortex of man. Report no. 1: Classification of the neurons of the cerebral cortex. G. I. Poliakov, K. K. Bilnova. Vop. antr. no. 10:56-76 '62.
- NERVES, SPINAL**
Optimum frequencies for afferent stimulation of the intermediate neurons of the spine. G. A. Vartanian, N. N. Vasilevskii. Dokl. AN SSSR 149 no. 1:210-212 Mr '63.
Role of the sympathetic innervation in the function of the peripheral portion of the auditory analyzer [with summary in English]. A. I. Vasil'ev. Zhur. ush. i nos. i gorl. bol. 22 no. 4:9-12 J1-Ag '62.
- NERVOUS EXHAUSTION** see Neurasthenia
- NERVOUS SYSTEM**
Effect of the central nervous system on metabolic processes in fowls. R. Gotev. Trudy VIEV 25:198-204 '62.
Pathologic histologic changes in the central nervous system and the solar plexus ganglia in psychoses resulting from uremia. N. N. Vakulenko. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:57-65 '58.
Permeability of the hemato-encephalic barrier to chlorpromazine (study made with S³⁵-chlorpromazine) [with summary in English]. M. I. A. Maizelis. Trudy Gos. nauch. -issl. inst. psikh. 35:133-144 '62.
Resolution of September 21, 1962, no. 794/168/19, of the Presidium of the Academy of Sciences of the U.S.S.R., the Presidium of the Academy of Medical Sciences of the U.S.S.R., and the Presidium of the Academy of Pedagogical Sciences of the R.S.F.S.R. concerning the results of the All-Union Conference on Philosophic Problems in the Physiology of Higher Nervous Activity and Psychology. Vest. AMN SSR 18 no. 1:89-94 '63.
- NERVOUS SYSTEM—AGING**
Neurodynamic changes in hypertension in elderly and senile persons. E. A. Sanamian. Trudy LIETIN no. 4:158-165 '60.
- NERVOUS SYSTEM—DISEASES**
Affection of the nervous system in toxoplasmosis. M. Kh. Farisov, M. S. Genina. Zdrav. Kazaki. 22 no. 11:38-43 '62.
Kadyrova, T. K. [Leucosis and the nervous system; clinical and morphological studies] Leikozy i nervnaya sistema; kliniko-morfologicheskie issledovaniia. Baku, Azerbaidzhanakoe gos. izd-vo, 1961, 220 p. tables. (DNLM)
Mukharinskaja, V. S. [An unusual cerebrospinal fluid syndrome in some lesions of the nervous system] O svoebraznom likvornom sindrome pri nekotorykh porazheniakh nervnoi sistemy. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1960, 61 p. (DNLM)
"Textbook of nervous diseases" by V. V. Mikheev. Reviewed by D. I. Proniv, R. I. Adamenko. Vrach. delo no. 1:150-151 Ja '63.
"Textbook of nervous diseases" by V. V. Mikheev. Reviewed by V. E. Levi. Sov. med. 26 no. 12:126-127 D '62.
Use of cortisone in some diseases of the nervous system [with summary in English]. D. I. Proniv, E. A. Lofko. Vrach. delo no. 11:87-72 N '62.
- NERVOUS SYSTEM—REPTILES**
Morphology of neurons and their synaptic connections in the Auerbach plexus of the stomach in reptiles. S. S. Reshetnikov. Dokl. AN SSSR 148 no. 1:202-205 Ja '63.
- NERVOUS SYSTEM—WORMS**
Nervous system in Tubificidae. N. G. Ektorininskia. Uch. zap. Kaz. un. 120 no. 6:52-75 '60.
Neural somite of the polychaete Harmeria imbricata. M. M. Romm. Uch. zap. Kaz. un. 120 no. 6:33-51 '60.
- NERVOUS SYSTEM, SYMPATHETIC**
Reaction of the sympathetic-adrenal system to surgical intervention for thyrotoxicosis. V. F. Postnikov. Klin. khir. no. 11:52-58 N '62.
- NERVOUS SYSTEM, SYMPATHETIC—SURGERY**
Clinical justification for removal of the third left thoracic sympathetic ganglion in endarteritis. S. U. Dzhu-mabaev. Klin. khir. no. 12:87 D '62.
Three cases of removal of the third left thoracic sympathetic ganglion in endarteritis obliterans. E. V. Gukovich. Klin. khir. no. 12:66 D '62.
- NESTEROV, MIKHAIL VASIL'EVICH, 1862-1942**
Nikonova, I. I. Mikhail Vasil'evich Nestorov. Moskva, Izd-vo "Iskusstvo," 1962, 190 p. illus.
- NESTOR, Metropolitan of Kirovograd and Nikolayev, 1864-1962**
Metropolitan Nestor; obituary. Zhur. Mosk. Patr. no. 12:17-20 D '62.
- NESVIZH DISTRICT—FLAX**
We don't close our eyes. Sof'ia Khil'ko. Rab. i stal. 39 no. 1:3 Ja '63.
- NESVIZH REGION—AGRICULTURAL ADMINISTRATION**
In search of new methods of work. G. Kononov. Komm. Bel. 37 no. 2:39-43 F '63.
- NETHERLANDS—COFFERDAMS**
Modern methods of cofferdamming large channels in Holland. I. U. A. Fishman. Gidr. stroit. 32 no. 0:46-50 S '62.
- NEURALGIA, TRIGEMINAL**
Kurbangaleev, S. M. [Radical surgical treatment of trigeminal neuralgia] Radikal'noe khirurgicheskoe lechenie neural'gii troichnogo nerva. [Leningrad] Medgiz, 1961, 255 p. (DNLM)
- NEURASTHENIA**
Effect of exercise therapy on the restoration of impaired coordination of movements in some forms of neurasthenia (with vestibulopathy) [in Georgian with summary in Russian]. V. G. Kimchulua and others. Trudy Tbil. GIDUV 6:203-210 '62.
- NEUROCHEMISTRY**
Effect of narcotics and analgesics on the pulmonary component of Bezold's reaction [with summary in English]. Z. I. Ivanova. Vest. AMN SSR 18 no. 1:52-58 '63.
- NEUROLOGY**
Pavlenko, S. M. [Problems of reactivity in the light of the neurotrophic theory; a lecture] Problema reaktivnosti v svete nervno-troficheskoi teorii; leksiia. Moskva, 1-1 mosk. med. in-t im. I. M. Sechenova, 1961, 50 p. (DNLM MICROFILM)
- NEUROSES**
Effect of conditioned reflexes on unconditioned ones in a healthy subject and in functional disturbances of higher nervous activity. A. A. Pavlovskaja, L. P. Rudenko. Trudy Inst. vys. nerv. delat. Ser. fiziol. 7:177-180 '62.
Effect of different doses of chlorpromazine on the higher nervous activity of dogs in experimental neurosis [with summary in English]. V. I. Savchuk. Trudy Gos. nauch. -issl. inst. psikh. 35:145-157 '62.

NEUTRAL RED

Excretion by the stomach of neutral red dye in gastric achylia [with summary in English]. L. I. Zhukovskii, Vrach, deio no. 11:10-16 N '62.

NEUTRALITY

Neutrality in attack and in defense. Lev Stepanov, Nov. vrem. 20 no. 8:3-5 Mr '63.

NEUTRON DIFFRACTION CRYSTALLOGRAPHY

Neutron diffraction examination for determining the temperature dependence of the atomic order in the FeCo alloy [with summary in English]. V. I. Goman'kov and others, Ukr. fiz. zhur. 8 no. 2:268-270 F '63.

NEUTRONS

Extraction method of isolation of carrier-free calcium-45 from fast neutron-irradiated scandium. V. I. Levin and others, Radiokhimiia 5 no. 1:37-41 '63.

Extraction of indicator concentrations of hydrochloric acid with tributyl phosphate. Isolation of carrier-free fluorine-18 from a neutron-irradiated lithium salt. V. I. Levin, L. S. Kozyreva, Radiokhimiia 5 no. 1:41-49 '63.

Savosin, S. I., ed. [Portable neutron generators in nuclear geophysics] Portativnye generatory neitronov v ladernoi geofizike; sbornik statoi (po sovetskimi i zarubezhnyim rabotam). Moskva, Gosatomizdat, 1962, 203 p.

NEUTRONS—CAPTURE

Gamma-ray spectra generated in neutron capture by heavy nuclei [with summary in English]. L. V. Groshev, A. M. Domidov, V. I. Folekhov, Trudy Inst. fiz. AN Gruz. SSR 8:61-94 '62.

Radiative capture cross sections for tellurium isotopes as dependent on neutron energy up to 1.5 Kev. L. S. Danilov, B. V. Efimov, Atom. energ. 14 no. 3:264-272 Mr '63.

Resonance absorption of neutrons in heterogeneous reactors [with summary in English]. T. V. Golashvili, Trudy Inst. fiz. AN Gruz. SSR 8:41-50 '62.

NEUTRONS—SCATTERING

Application of "yield cross-section" methods to the calculation of shielding containing no hydrogen [with summary in English]. Inzh. -fiz. zhur. 5 no. 12:65-70 D '62.

Effect of lattice distortions on the scattering of slow neutrons in alloys [with summary in English]. A. N. Zhiganov and others, Ukr. fiz. zhur. 8 no. 2:256-263 F '63.

Inelastic scattering of cold neutrons on some hydrogen-containing substances. M. G. Zemlianov, N. A. Chernoplekov, Atom. energ. 14 no. 3:257-263 Mr '63.

Theory of the scattering of X rays and neutrons by ordered alloys; review. M. A. Krivogiaz, Ukr. fiz. zhur. 8 no. 2:162-170 F '63.

NEUTRONS—SPECTRA

Studying nuclear fission physics by methods of neutron spectroscopy [with summary in English]. M. I. Pevzner, Trudy Inst. fiz. AN Gruz. SSR 8:75-78 '62.

NEVSKII, NIKOLAI ALEKSANDROVICH, 1892-1938

N. A. Nevskii's works on the language of the Tsou tribe, L. L. Gromkovskaya, Nar. Az. i Afr. no. 1:171-172 '63.

NEW GUINEA, WEST—ECONOMIC CONDITIONS

The bird of paradise spreads its wings. N. Aleksandrov, Az. i Afr. seg. no. 3:80 Mr '63.

NEW GUINEA, WEST—POLITICS AND GOVERNMENT

Behind the shield of "good services." A. Lavin, Az. i Afr. seg. no. 2:50-6 F '63.

The Indonesian flag over western Irian. P. Anan'ev, Mir. ekon. i mezhdunar. otn. no. 1:96-98 '63.

NEW YEAR see subdivision under Buryat A.S.S.R.

NEW YORK (CITY)—THEATER

Statistics, dreams, and reality. IAN Bereznitskii, Teatr 24 no. 1:117-119 Ja '63.

NEWSPAPER AND PERIODICAL CIRCULATION

(see also subdivision under Archangel Province; Astrakhan Province; Belgorod Province; Chelyabinsk; Cherkassy Province; Izhevsk; Kazakhstan; Leningrad; Lithuania; Moscow; Nizhny Tagil; Novonikol'skiy District; Novosibirsk; Pnyigorsk; Riga; Tallinn; Tyumen Province; Yoshkar-Ola)

Apply the bonus system correctly. N. Minasueva, Raspr. pech. no. 12:16-18 D '62.

Bring retail work up to the standard required by the new assignments. Raspr. pech. no. 1:1-3 Ja '63.

First undertakings. V. Zverev, Raspr. pech. no. 1:10 Ja '62.

Fresh current. N. Kiliaritskii, Raspr. pech. no. 1:14-15 Ja '63.

Improve the service to the people. Raspr. pech. no. 1:1-2 Ja '62.

Index to the principal materials published in "Rasprostraneniye pechni" during 1962. Raspr. pech. no. 12 Supplement:1-4 D '62.

... indispensable guides. P. Nefed'ev, Raspr. pech. no. 1:10-11 Ja '62.

Is it necessary to plan the work of the volunteer group? S. Kolomichenko, Raspr. pech. no. 1:16-17 Ja '63.

Let us make our contribution to the national cause. Raspr. pech. no. 12:1-2 D '62.

More attention to the rural worker. Raspr. pech. no. 1:3 of cover Ja '63.

More newspapers and magazines for rural workers. S. Vaitakh, Raspr. pech. no. 1:3-4 Ja '62.

Results and prospects. F. Umanski, Raspr. pech. no. 1:20-21 Ja '63.

She set the tune. P. Il'iasenko, Raspr. pech. no. 1:10 Ja '63.

Special training is necessary. S. Tserdik, Raspr. pech. no. 1:22 Ja '63.

Strengthen business accounting, make the work profitable. F. Umanski, Raspr. pech. no. 12:20-21 D '62.

What the inspection revealed. N. Orlikov, Raspr. pech. no. 1:13 Ja '62.

What's good and what's bad. N. Vuka, Raspr. pech. no. 12:12-13 D '62.

Which method is the best? M. Razorenov, Raspr. pech. no. 12:22-24 D '62.

With volunteer help. S. Semenov, Raspr. pech. no. 1:4 Ja '63.

NEWSPAPER PUBLISHING

The problem of the organization of newspaper production. V. S. Molozharenko, Poligr. proizv. no. 11:11-13 N '62.

NEWSREEL

One thousand newsreels. P. Chirkova, Kul't.-pros. rab. 23 no. 10:20-21 O '62.

The visual press of the newsreel. G. Petrov, Kul't.-pros. rab. 23 no. 10:21-22 O '62.

NEWTON, SIR ISAAC, 1642-1727

Noteworthy dates in science and technology. Shkola i proizv. 7 no. 1:95-96 Ja '63.

NICKEL

Mechanism of nickel oxidation. B. M. Vasilevskii, G. N. Karimazov, Fiz. met. i metalloved. 15 no. 1:132-134 Ja '63.

More on factors influencing the quality of nickel powder. IU. V. Alekseev, TSvet. met. 35 no. 12:59-60 D '62.

Using the chemical method of coating with nickel for the reconditioning and strengthening of the machine parts in light industry enterprises. P. T. Basko and others. Lekh. prom. no. 3:61-63 Je-Ag '62.

"Vysotnik," a new sulfide of palladium and nickel. A. D. Genkin, O. E. Zviagintsev, Zap. Vses. min. ob-va 91 no. 8:718-725 '62.

NICKEL—ANALYSIS

1,2-Cycloheptanedione dioxime as a reagent for the gravimetric and extraction-photometric determination of nickel in the presence of copper [with summary in English]. V. M. Peshkova, N. G. Ignat'eva, Zhur. anal. khim. 17 no. 9:1086-1090 D '62.

Quantitative determination of nickel and manganese traces by the diffusion reflection spectra with a preliminary concentration on a cellulose ion exchanger [with summary in English]. I. N. Ermolenko, M. L. Longin, M. Z. Gavrilov, Zhur. anal. khim. 17 no. 9:1035-1039 D '62.

NICKEL—COLD WORKING

Comparing the effect of prestressing at 4, 2 and 3000 K on the creep characteristics of nickel at 700° C. V. M. Azhazha, I. A. Gindin, IA. D. Starodubov, Fiz. met. i metalloved. 15 no. 1:110-124 Ja '63.

NICKEL—CORROSION

Gas corrosion and embrittlement of commercial nickel. V. N. Arkharov, B. S. Borisov, D. M. Ibragimova, TSvet. met. 36 no. 2:72-78 F '63.

NICKEL—ELECTROMETALLURGY

Extractive purification of nickel solutions from iron and copper impurities. N. I. Gal'perin and others, TSvet. met. 36 no. 2:37-42 F '63.

Increasing the recovery of nickel in electrolytic copper plants. I. E. Feldman, N. A. Katerova, TSvet. met. 36 no. 2:20-24 F '63.

NICKEL—HARDENING

Nature of the deformation aging of nickel. V. F. Sukhovarov, N. A. Aleksandrov, L. A. Kudriavtseva, Fiz. met. i metalloved. 14 no. 6:885-888 D '62.

NICKEL—METALLOGRAPHY

Self-diffusion of nickel. A. IA. Shinaev, Fiz. met. i metalloved. 15 no. 1:100-104 Ja '63.

NICKEL—TESTING

Yield points in commercial-grade nickel. L. M. Rybakova, R. F. Merenkova, Metalloved. i term. obr. met. no. 1:29-30, 35 Ja '63.

NICKEL—THERMAL PROPERTIES

High-temperature region of positive influence of a polygonized structure on creep. G. IA. Kozyrskii, Fiz. met. i metalloved. 14 no. 6:817-824 D '62.

NICKEL—WELDING

Welded joints in nickel intended for use in an alkali medium. O. N. Ivanova, Avtom. svar. 16 no. 1:91-92 Ja '63.

NICKEL ALLOYS—ANALYSIS

Phase analysis of chromized nickel alloys. N. I. Blok, M. N. Kozlova, N. F. Lashko, Zav. lab. 20 no. 3:273-276 '63.

NICKEL ALLOYS—ELECTRIC PROPERTIES

Variation in the Debye characteristic temperature (elastic) in the ordering of A₂B alloys [with summary in English]. B. G. Livshits, G. A. Rymashevskii, Ukr. fiz. zhur. 8 no. 2:243-248 F '63.

NICKEL ALLOYS—HARDENING

Effect of a fine crystal structure on the hardening of nickel alloys. S. B. Maslennikov, G. V. Estolin, Metalloved. i term. obr. met. no. 1:23-29 Ja '63.

NICKEL ALLOYS—METALLOGRAPHY

Defects of packing in solid solutions of nickel. N. I. Noskova, V. A. Pavlov, Fiz. met. i metalloved. 14 no. 6:899-903 D '62.

NICKEL ALLOYS—THERMAL PROPERTIES

Variation in the Debye characteristic temperature (elastic) in the ordering of A₂B alloys [with summary in English]. B. G. Livshits, G. A. Rymashevskii, Ukr. fiz. zhur. 8 no. 2:243-248 F '63.

NICKEL-ALUMINUM-IRON ALLOYS see Iron-nickel-aluminum alloys

NICKEL-CARBON ALLOYS

Phase diagram of Ni-C. A. A. Vertman, A. M. Samarin, E. S. Filippov, Dokl. AN SSSR 148 no. 2:342-343 Ja '63.

NICKEL CATALYSTS

Regeneration of a nickel-chromia catalyst in toluene demethylation. G. N. Maslennikov, G. L. Rabinovich, N. Kh. Avtonomova, Neftokhimiia 3 no. 1:94-96 Ja-F '63.

NICKEL-CHROMIUM ALLOYS

Spectrum of atomic defects participating in the formation of short-range order in nickel-chromium alloys [with summary in English]. L. E. Popov, G. I. Karpov, L. M. Panova, Ukr. fiz. zhur. 8 no. 2:226-232 F '63.

NICKEL-CHROMIUM-TITANIUM ALLOYS—TESTING

Response of El-437B alloy to stress concentration due to continuous loading. V. P. Dubinin, G. S. Pisarenko, Mashinostroenie no. 6:90-92 N-D '62.

NICKEL-COBALT-ALUMINUM ALLOYS see Aluminum-nickel-cobalt alloys

NICKEL INDUSTRY—BY-PRODUCTS

Precipitation of nickel and cobalt from converter slags of the nickel industry by sulfidizing with elementary sulfur. V. G. Shchurovskii, Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:77-84 '63.

NICKEL-IRON ALLOYS see Iron-nickel alloys

NICKEL-IRON-COBALT ALLOYS see Iron-nickel-cobalt alloys

NICKEL-MANGANESE ALLOYS

Kinetics of ordering in the Ni₃Mn alloy [with summary in English]. V. I. Mol'nikova, I. N. Bogachev, Ukr. fiz. zhur. 6 no. 2:219-226 F '63.

NICKEL-MANGANESE ALLOYS—MAGNETIC PROPERTIES

Anomalous temperature dependence of the magnetization of an ordered Ni₃Mn alloy. M. V. Dekhtiar, Fiz. met. i metalloved. 14 no. 6:932-935 D '62.

NICKEL ORES see subdivision under Noril'sk region

NICKEL PLATING

Increasing drill strength by chemical nickel plating. P. T. Basko, Stan. i instr. 34 no. 1:43 Ja '63.

Mechanism of chemical nickel plating reaction. A. A. Sutagina, K. M. Gorbunova, M. P. Glazunov, Dokl. AN SSSR 147 no. 5:1133-1138 D '62.

New technological processes for copper and nickel plating. E. I. Ogneva, Mashinostroenie no. 6:50-61 N-D '62.

NICKEL-PLATINUM ALLOYS

Effect of preliminary treatment on the short-range order in the Ni₃Pt alloy [with summary in English]. V. I. Ieronova, A. A. Kalanets, Ukr. fiz. zhur. 8 no. 2:251-256 F '63.

NICKEL STEEL

Effect of nickel on the resistance of austenitic alloys to cavitation erosion. R. I. Mintz, V. G. Garbach, Fiz. met. i metalloved. 14 no. 6:814-819 D '62.

NICKEL STEEL—TESTING

Certain properties of 0% nickel steel. Sial' 23 no. 2:166-169 F '63.

NIGER—NATIONALITIES

Nationalities of Niger. V. Parkhit'ko. Az. i Afr. seg. no. 3:51-53 Mr '63.

NIGERIA—BRONZES

Behind the wall of the tropical forest. VI. Iordanskii. Az. i Afr. seg. no. 3:27-31 Mr '63.

NIGERIA—FOREIGN ECONOMIC RELATIONS

Good luck, Nigeria! K. Geivandov. Az. i Afr. seg. no. 2:24-25 F '63.

NIGHT FIGHTING (MILITARY SCIENCE)

Kriveky, D., and others. [Night fighting. Abridged translation from the Czech.] Nochnoi boi. Pod red. Petrenko V. Ia. Moskva, Voenizdat, 1963. 170 p.

NIGHT SKY

Some features of the emission of [O I] 5577 and the continuum of luminescence in the night sky. V. M. Morozov. Izv. AN SSSR, Ser. geofiz. no. 10:1446-1449 O '62.

NIGHT VISION

Effect of natural sleep on the final stage of dark adaptation [with summary in English]. N. E. Shvinka. Vest. LGU 18 no. 3:127-132 '63.

NIGHTSHADE see subdivision under Azerbaijan

NIKTOVKA (BELGOROD PROVINCE)—REFRACTORIES INDUSTRY

Efficiency promoter suggestions introduced at the "Niktoval" Combine. IU. P. Sidorenko, D. P. Saenko. Ogneupory 28 no. 3:141-142 '63.

NIKOLAEV, ANDRIAN GRIGOR'EVICH, 1929-

Forester from Svetlyye Klyuchi. I. Lemberik. Les. khoz. 15 no. 9:7-12 S '62.

[I. "the Falcon..."] IA - "Sokol..." Moskva, Izd-vo gazety "Krasnaia zvezda," 1962. 29 p. (Biblioteka "Krasnoi zvezdy," no. 18(102))

NIKOLAEV, GEORGI ALEKSANDROVICH, 1903-

G. A. Nikolaev's 60th birthday. Svar. proizv. no. 2:49 F '63.

NIKOLAYEV—ROAD MACHINERY INDUSTRY

On the roads of twelve countries. Sov. Soizuz no. 8:44-45 '62.

NIKOLAYEV PROVINCE—ATHEISM

From the other side of the church wall. A. Vynogradova. Voioy. ateist 3 no. 2:39-40 F '63.

NIKOLAYEV PROVINCE—BUILDING MATERIALS INDUSTRY

We introduce progressive elements and materials. P. Troshyn. Sil'. bud. 13 no. 2:16-17 F '63.

NIKOLAYEV PROVINCE—COLLECTIVE FARMS—INTERFARM COOPERATION

We introduce progressive elements and materials. P. Troshyn. Sil'. bud. 13 no. 2:16-17 F '63.

NIKOLAYEV PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Communist Party and Communist Youth League headquarters at work. N. I. Briatko. Vech. sred. shkola 5 no. 6:14-15 N-D '62.

NIKOLAYEV PROVINCE—EVENING AND CONTINUATION SCHOOLS

Communist Party and Communist Youth League headquarters at work. N. I. Briatko. Vech. sred. shkola 5 no. 6:14-15 N-D '62.

NIKOLAYEV PROVINCE—STUDENT ACTIVITIES

Student work in the conservation of nature. A. E. Romanenko. Biol. v shkole no. 5:60-62 S-O '62.

NIOBIUM

Kinetics of the anodic oxidation of niobium. A. Ia. Shatalov, T. P. Bondareva. Dokl. AN SSSR 147 no. 5:1137-1140 D '62.

X-ray spectra of niobium in the system niobium-nitrogen in the α -phase region. M. I. Korsunskii, Ia. E. Genkin. Izv. AN SSSR, Ser. fiz. 27 no. 3:302-303 Mr '63.

NIOBIUM—ANALYSIS

Photometric determination of niobium by means of xylenol orange [with summary in English]. A. K. Babko, M. I. Shtokalo. Zhur. anal. khim. 17 no. 9:1068-1071 D '62.

Separation of small amounts of tantalum from niobium by the extraction of tetraphenyl arsonium fluorotantalates [with summary in English]. I. P. Altmarin, S. V. Makarova. Zhur. anal. khim. 17 no. 9:1072-1075 D '62.

NIOBIUM—SPECTRA

Spectra of the M-series of Zr, Nb, and Mo and the M-emission bands of Nb and Mo. A. P. Lukirekii, T. M. Zimkina. Izv. AN SSSR, Ser. fiz. 27 no. 3:330-339 Mr '63.

NIOBIUM-CHROMIUM-TITANIUM ALLOYS see Chromium-niobium-titanium alloys

NIOBIUM COMPOUNDS

Extraction of niobium and tantalum as 8-hydroxyquinolate complexes from solutions of hydroxy acids. I. P. Altmarin, G. N. Biltmovich, TSui Sian'-khan [TSui Hsien-hang]. Zhur. neorg. khim. 7 no. 12:2725-2730 D '62.

Find of lueshite in Siberian carbonates. IU. A. Bagdasarov and others. Dokl. AN SSSR 147 no. 5:1166-1171 D '62.

NIOBIUM OXIDES

Interaction of uranium oxides with vanadium and niobium oxides. L. M. Kovba, Van Shi-khua [Wang Shih-hua]. E. I. Siraikina. Dokl. AN SSSR 148 no. 1:113-115 Ja '63.

NIOBIUM-TIN ALLOYS

Constitutional diagram of the system Nb - Sn. V. S. Kogan and others. Fiz. met. i metalloved. 15 no. 1:143-145 Ja '63.

NITRATES

Interaction of components in the systems type $\text{MeNO}_3 - \text{UO}_2(\text{NO}_3)_2 - \text{H}_2\text{O}$. M. Ia. Iakimov and others. Radiokhimiia 5 no. 1:73-80 '63.

Precipitation of ammonium uranyl disulfate from nitrate solutions. I. A. Kuzin, I. A. Galitskaia, V. P. Taushkanov. Radiokhimiia 5 no. 1:89-93 '63.

Refractometry of melts. Part 1: Nitrates of univalent cations. S. S. Batsanov, IU. I. Vesnin. Zhur. strukt. khim. 4 no. 1:98-100 Ja-F '63.

NITRIC ACID

Decomposition of zinc and lead sulfide minerals by nitric acid solutions. A. I. Chernilovskaya, G. A. Tsyganov. Uzb. khim. zhur. 6 no. 6:5-10 '62.

NITROGEN

Forms of nitrogen and protein fractions of the grain of corn subspecies grown in Moldavia. P. A. TSurkan. Trudy po khim. prirod. soed. no. 3:169-172 '60.

Nitrogen containing substances of the green bulk and seeds of horse beans (*Vicia faba*) as related to the stages of their development. V. G. Klimenko, A. D. Beresovikov. Trudy po khim. prirod. soed. no. 3:145-157 '60.

Protein and nonprotein nitrogen of the grain and green bulk of corn and sorgo. P. A. TSurkan. Trudy po khim. prirod. soed. no. 3:120-143 '60.

Protein and nonprotein nitrogen of the green bulk of lentils and vetch at various phases of their development. V. G. Klimenko, L. P. Staseva. Trudy po khim. prirod. soed. no. 3:65-74 '60.

Protein and nonprotein nitrogen of the seeds and green bulk of pea varieties. R. I. Piegina. Trudy po khim. prirod. soed. no. 3:99-120 '60.

Proteins and nonprotein nitrogen containing substances in the seeds and green bulk of some vetching species. V. G. Klimenko, IU. Ia. Gofman, T. A. Baranova. Trudy po khim. prirod. soed. no. 3:27-39 '60.

Proteins and nonprotein nitrogen in the grain and green bulk of chick-peas. V. G. Klimenko, B. I. Sholkovskaya. Trudy po khim. prirod. soed. no. 3:159-167 '60.

Variability in the content of protein and nonprotein nitrogen in the grain and green bulk of some Vigna varieties (*Vigna sativa*). V. G. Klimenko, O. B. Dremova. Trudy po khim. prirod. soed. no. 3:173-183 '60.

Variability of the content of protein and nonprotein nitrogen in the grain and green bulk of some phaseolus varieties (*Ph. vulgaris* L.). T. V. Varennikova, V. G. Klimenko. Trudy po khim. prirod. soed. no. 3:83-97 '60.

Variability of the content of protein and nonprotein nitrogen in the green bulk of gourds. M. V. Alekseeva. Trudy po khim. prirod. soed. no. 3:75-82 '60.

Variability of the content of protein and nonprotein nitrogen in the vegetative organs and grain of some Phaseolus species. V. V. Salanova. Trudy po khim. prirod. soed. no. 3:41-55 '60.

NITROGEN-FIXING MICRO-ORGANISMS see Micro-organisms, Nitrogen-fixing

NITROGEN METABOLISM

Amino acids and protein of the allantoin and amniotic fluids. N. Pecherskikh. Sbor. stud. nauch. -issl. rab. VSKH 1 no. 1:201-203 '62.

NITROGEN OXIDES

Bactericidal effect of nitrogen dioxide on the saprophytic and pathogenic microflora. A. A. Poliakov and others. Trudy Uzb. nauch. -issl. inst. vet. 14:85-89 '61.

NITROSO COMPOUNDS

Structure of crystals of nitrosopentammine ruthenium trichloride. T. S. Khodashova. Zhur. strukt. khim. 4 no. 1:111-112 Ja-F '63.

NIZAMI, GANJAWI, 1141?-1203

Mustafaei, Dzhamal. [Philosophical and ethical views of Nizami]. Filosofskie i eticheskie vozzrenia Nizami. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 154 p.

NIZHNE-ILIMSK DISTRICT—LUMBERING—MANAGEMENT

Letters from the editor. Sov. profsoyuzy 18 no. 4:30-31 F '63.

NIZHNIY TAGIL—MINING ENGINEERING—HYGIENIC ASPECTS

Masters of the "Kapitalnaya." A. Val'kov. Okhr. truda i soiz. strakh. 6 no. 2:13-14 F '63.

NIZHNIY TAGIL—NEWSPAPER AND PERIODICAL CIRCULATION

Learn the practice of the leaders. N. Vaks. Raspr. perh. no. 1:17-18 Ja '62.

NIZHNYAYA TUNGUSKA see Lower Tunguska Valley

NO (JAPANESE DRAMA AND THEATER)

"No-gaku-do," Japanese theater. Z. Popova. Az. i Afr. seg. no. 2:44-45 F '63.

NOISE

Effect of noise from Diesel engines on the auditory function of workers at testing stations. Z. F. Neatragina, V. F. Rudenko. Vrach. delo no. 11:114-117 N '62.

NOISE CONTROL

Zeller, Werner. [Technique of noise control. Translated from the French.] Tekhnika bor'by s shumom. Pod red. S. P. Alekseeva. Moskva, Gos. izd-vo lit-ry po stroit. arkhitekt. i stroit. materialam, 1959. 427 p. (C)

NOMADS see subdivision under Azerbaijan

NOMOGRAPHY (MATHEMATICS)

Nomogram-rule for weather charts. E. Zhukovskii. Av. i kosm. 45 no. 2:52-53 F '63.

Nomograms and fabrics. S. V. Smirnov. Dokl. AN SSSR 140 no. 1:36-39 Mr '63.

NONFERROUS METAL INDUSTRIES

(see also subdivision under Achi say; East Kazakhstan Province; Kazakhstan; Noril'sk; Rhodesia, Northern; Sverdlovsk Province)

"Organizing and planning the industrial enterprises of nonferrous metallurgy" by I. M. Gratsershtein, R. D. Malinova. Reviewed by S. Pogostin, M. Rudnikskii. Sots. trud 7 no. 6:152-155 Je '62.

Road toward further achievements in nonferrous metallurgy and construction. TSvet. met. 35 no. 12:1-vil D '62.

NONFERROUS METAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS see subdivision under Kazakhstan

NONFERROUS METALS

(see also subdivision under Boshchekul') Concerning the "Handbook on the processing of nonferrous metals and alloys." D. G. Butomo and others. TSvet. met. 35 no. 12:60 D '62.

Entirely real potentialities. M. Burchakov, K. Krendelov. Agitator no. 2:43-44 Ja '63.

Phase analysis of nonferrous alloys. M. N. Kozlova, N. F. Lashko, K. P. Sorokina. Za. lab. 29 no. 3: 201-271 '63.

NONFERROUS METALS—BIBLIOGRAPHY see Bibliography—Nonferrous metals

NONFERROUS METALS—FOUNDING

Gas furnace with controlled atmosphere for the melting of nonferrous alloys. V. I. Kharchenko, G. F. Degtev. Lit. proizv. no. 7:35-30 Ji '62.

NONFERROUS METALS—HANDBOOKS, MANUALS, ETC.

Discussion in a readers' conference of the "Handbook on the processing of nonferrous metals and alloys." TSvet. met. 35 no. 12:60-68 D '62.

"Handbook on the processing of nonferrous metals and alloys" by A. P. Smiragin and others. Reviewed by G. M. Volkogon, A. P. Krylov. TSvet. met. 35 no. 12: 84-85 D '62.

NONFERROUS METALS—METALLURGY

Hydrolysis of heavy nonferrous metal chlorides. N. A. Miliutina, S. I. Tarabaeu. Izv. AN Kazakh. SSR, Ser. met., obog. i ognep. no. 2:56-64 '60.

Kinetics of the reduction of metal oxides. V. D. Solov'ev, I. R. Polyviannyi. Izv. AN Kazakh. SSR, Ser. met., obog. i ognep. no. 2:43-55 '60.

NONFERROUS METALS—PERIODICALS

Readers' conference on the TSvetnye Metally journal. M. Melkov, T. Bednashova. TSvet. met. 36 no. 2:82 F '63.

NONFERROUS METALS—SPECTRA see subdivision under Chersonese (City)

NONFERROUS METALS—THERMODYNAMIC PROPERTIES

Gerasimov, Ia. I., A. N. Krestovnikov, and A. S. Shakhov. [Chemical thermodynamics in nonferrous metallurgy]. Khimicheskaya termodynamika v tsvetnoi metallurgii; spravochnoe rukovodstvo. Moskva, Metallurgizdat, 1963.

Vol. 3. [Thermodynamics of tungsten, molybdenum, titanium, zirconium, niobium, tantalum and their most important compounds] Termodynamika vol'fram, molibdena, titana, tsirkoniia, niobia, tantalata i ikh vazhniishikh soedinenii. 1963. 283 p.

- NONFERROUS METALS—WELDING**
Butt welding of certain heavy nonferrous metals in the plastic state. G. P. Sakhatkii. Avtom. svar. 16 no. 1: 23-29 Ja '63.
- NONWOVEN FABRICS**
(see also subdivision under Japan)
For an advanced technology in batting production. I. M. Khatenever. Tekst.prom. 23 no. 1:79-81 Ja '63.
Linen batting manufactured with the knit-and-stitch method. A. P. Zubeeva. Tekst.prom. 23 no. 1:77-79 Ja '63.
- NORICORNE—ABSORPTION SPECTRA**
Vibrational spectra of some endo- and exoderivatives of the series bicyclo (2, 2, 1) heptane and bicyclo (2, 2, 1) -2-heptene. V. T. Aleksanian and others. Zhur. strukt.khim. 4 no. 1:20-36 Ja-F '63.
- NORIL'SK—INDUSTRIAL HYGIENE**
A severe climate is no hindrance. V. Sokolov, A. Chernushkin. Okhr. truda i sots. strakh. 5 no. 12:8-9 D '62.
- NORIL'SK—WAGES—NONFERROUS METAL INDUSTRIES**
The wage system which excludes equalization. V. Protasov, E. Kesko. Sots.trud. 7 no. 12:118-123 D '62.
- NORIL'SK REGION—COPPER ORES**
"Talnakhskiy" ore-bearing intrusive in the northwestern corner of the Siberian Platform. V. N. Egorov, E. N. Sukhanova, Razved. i okh. nedr. 29 no. 1:17-21 Ja '63.
- NORIL'SK REGION—MINING ENGINEERING—LABOR PRODUCTIVITY**
Ways of reducing the work in drawing and hauling ore in the "Zapolyarniy" Mine. G. I. Sadovskii, A. S. Pashomov, A. I. Filippentov. Gor. zhur. no. 2:23-28 F '63.
- NORIL'SK REGION—NICKEL ORES**
"Talnakhskiy" ore-bearing intrusive in the northwestern corner of the Siberian Platform. V. N. Egorov, E. N. Sukhanova, Razved. i okh. nedr. 29 no. 1:17-21 Ja '63.
- NORTH ATLANTIC TREATY ORGANIZATION**
Greece in the NATO team. V. Kondrat'ev. Agitator no. 2:34-36 Ja '63.
International review. N. Shishlin. Agitator no. 3:24-26 F '63.
The role of Bonn in the Atlantic alliance. A. Galkin. Nov. vrem. 20 no. 12:9-11 Mr '63.
The second act of the Atlantic crisis. I. Ermashev. Nov. Vrem. 20 no. 10:4-6 Mr '63.
- NORTH KAZAKHSTAN PROVINCE—ARCHIVES**
Archives of North Kazakhstan Province. N. I. Baichikov, V. I. Trugov. Ist. arkh. 8 no. 6:164-167 N-D '62.
- NORTH KAZAKHSTAN PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING**
Mechanized teams at work. B. Uspenskii. Prof.-tekhn. obr. 19 no. 11:7 N '62.
Urgent problems. N. Rudekov. Prof.-tekhn. obr. 19 no. 11:5-6 N '62.
- NORTH KOREA** see Korea, North
- NORTH OSSETIA** see Ossetia, North
- NORTHEAST PASSAGE**
Complex use and the conservation of water resources of western Siberia and the Northern Sea Route. B. N. Kopylov, V. G. Sukhova. Probl. Arkt. i Antarkt. no. 10: 51-66 '62.
- NORTHERN CAUCASUS** see Caucasus, Northern
- NORTHERN WAR, 1700-1721**
"History of the Estonian people during the Northern War, 1700-1721; collected materials" [in Estonian]. Reviewed by H. E. Palli, O. J. Vares. Ist. arkh. 8 no. 6:176-178 N-D '62.
- NORWAY—FOREIGN RELATIONS—RUSSIA**
A. A. Gromyko in Scandinavia. Nov. vrem. 20 no. 11:2-3 Mr '63.
- NORWAY—NUCLEAR RESEARCH**
Nuclear research in Norway. Atom. energ. 14 no. 3: 332-335 Mr '63.
- NORWAY—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**
Struggle against Hitlerite occupation forces in Norway. M. Iskrin. Nov. i noveish. ist. no. 6:125-134 '62.
- NOSE—DISEASES**
Etiology of atrophic rhinitis in swine. K. P. Lamikhov. Veterinaria 37 no. 11:42-45 N '60.
Etiology of infectious atrophic rhinitis in swine. A. K. Krasnikov. Veterinaria 37 no. 11:45-46 N '60.
Etiology of infectious atrophic rhinitis in swine. R. A. Tsiou, V. P. Urban. Veterinaria 37 no. 7:31-33 Ji '60.
Necrotic granulomatosis combined with disseminated vasculitis (Wegener's syndrome). G. A. Goldberg, N. F. Kan'shina, I. U. P. Nikitin. Sov. med. 26 no. 12: 84-91 D '62.
- Role of trichomonads in atrophic rhinitis of swine. I. M. Leon'tev. Veterinaria 37 no. 11:47 N '60.
Studying infectious atrophic rhinitis in swine and measures for its control. P. S. Solomkin. Veterinaria 37 no. 11:35-41 N '60.
- NOSE—TUMORS**
Treatment of cavernous angiomas of the nasal cavity. S. I. Alekseev. Zhur.ush., nos. i gorl. bol. 22 no. 4: 86-87 Ji-Ag '62.
- NOSEMA**
Nosema and the morphological changes in bees. S. V. Zhdanov. Uch. zap. Kaz. un. 120 no. 8:209-270 '60.
- NOTARIES**
From the practice of notarial agencies. Sov. iust. no. 3: 32 F '63.
From the practice of notarial agencies. Sov. iust. no. 5: 32 Mr '63.
How the enactment of the "Basic Principles of Civil Law" has changed the objectives of Soviet notarial agencies. D. Chorpita. Rad. pravo no. 1:89-93 Ja-F '63.
More attention to the work of notarial agencies. I. A. Panchenko. Rad. pravo no. 5:95-96 S-O '62.
Notarial actions performed by the executive committees of village and settlement soviets. I. Pozubenko, V. Khurgin. Rad. pravo no. 5:97-98 S-O '62.
"Notarial functions of village and settlement soviets" by I. M. Il'inskaya, L. F. Lesnitskaya. Reviewed by I. Pozubenko. Rad. pravo no. 1:145-147 Ja-F '63.
- NOTIONS (MERCHANDISE)**
Notions production and trade. S. Sarukhanov. Sov. torg. 36 no. 1:8-12 Ja '63.
- NOVAYA ZEMLYA—GLACIOLOGY**
Akademiya nauk SSSR. Institut geografii. [Novaya Zemlya] Novaya Zemlia. Moskva. (Ist. Materialy glaciologicheskikh issledovani) [With summary in English]
Bazhev, A. B., V. I. A. Bazheva, and V. S. Korlakina. [Glacial morphology. Movement of a glacier] Glaciogeomorfologiya. Dvizhenie lednika [By] V. S. Korlakina. 1962. 78 p.
- NOVAYA ZEMLYA—ICE**
Akademiya nauk SSSR. Institut geografii. [Novaya Zemlya] Novaya Zemlia. Moskva. (Ist. Materialy glaciologicheskikh issledovani) [With summary in English]
Bazhev, A. B., and V. I. A. Bazheva. [Ice structure] Struktura l'da. 1962. 173 p.
- NOVGOROD (DUCHY)—COMMERCE—BALTIC SEA REGION**
Khoroshkevich, A. L. [Great Novgorod's trade with the Baltic region and Western Europe in the 14th and 15th centuries] Torgovlia Velikogo Novgoroda s Pribaltikoi i Zapadnoi Evropoi v XIV-XV vekakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 363 p.
- NOVGOROD (DUCHY)—COMMERCE—EUROPE, WESTERN**
Khoroshkevich, A. L. [Great Novgorod's trade with the Baltic region and Western Europe in the 14th and 15th centuries] Torgovlia Velikogo Novgoroda s Pribaltikoi i Zapadnoi Evropoi v XIV-XV vekakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 363 p.
- NOVGOROD—HISTORY—SOURCES**
The Novgorod byliny and chronicles. S. N. Azhelev. Russ. fol'k. 7:44-51 '62.
- NOVGOROD PROVINCE—MANUFACTURES**
Put an end to unskilled working methods. V. Arkhipenko. Rabotnitsa 40 no. 3:26-27 Mr '62.
- NOVIKOV-PRIBOI, ALEKSEI SILEYCH, 1877-1944**
Heroes of "Taukhima." E. F. Shcherbakova. Uch. zap. MGPI [174]:145-205 '61.
- NOVO-ANNENSKIY DISTRICT—NEWSPAPER AND PERIODICAL CIRCULATION**
Competing for an honorable title. E. Bakhrushin. Raspr. pech. no. 1:5 Ja '62.
- NOVOCALINE**
Causes of toxic phenomena in intravenous anesthesia. V. P. Okhotskii. Nauch. trudy Chetv. Mosk. gor. v'ln. bol' no. 1:105-114 '61.
Intravenous injection of a novocaine-penicillin solution against mastitis. V. M. Voskoboinikov. Veterinaria 38 no. 10:59-60 O '61.
- NOVOGRAD-VOLYNSKIY—FESTIVALS**
Festival of communist labor. I. U. Kapovskii. Kul't.-pros. rab. 23 no. 12:21-22 D '62.
- NOVOGRAD-VOLYNSKIY DISTRICT—ENSEMBLES (MUSIC), UKRAINIAN**
Youth festivals in the Novograd-Volynskiy District. M. Khomycheva'kyt. "Nar. tvorch. ta etn. 6 no. 3: 155-158 Ji-S '62.
- NOVOGRAD-VOLYNSKIY DISTRICT—YOUTH**
Youth festivals in the Novograd-Volynskiy District. M. Khomycheva'kyt. "Nar. tvorch. ta etn. 6 no. 3:155-156 Ji-S '62.
- NOVOKUZNETSK—CONCRETE PLANTS**
The plant attained its rated output. M. Hol'skii. Na stroi. Ros. 3 no. 12:7-8 D '62.
- NOVOKUZNETSK—CONSTRUCTION INDUSTRY—ACCOUNTING**
Lower-level business accounting in construction projects of Novokuznetsk. B. Gershun. Na stroi. Ros. 3 no. 12: 16 D '62.
- NOVOKUZNETSK—LABOR DISPUTES**
Court rescinds the order. A. Pavlov. Sov. profsoliuzy 19 no. 4:24-25 F '63.
- NOVOKUZNETSK—METALLURGICAL PLANTS—HYGIENIC ASPECTS**
Initiative of a factory committee. S. Bursanovskii. Okhr. truda i sots. strakh. 6 no. 2:32-33 F '63.
- NOVOMOSKOVSK—PUBLIC HEALTH**
Health Day at the Novomoskovsk Chemical Combine. I. P. Barakii. Sov. zdav. 22 no. 2:13-18 '63.
- NOVOROSSIYSK—BLIZZARDS**
White tornado. V. Moev. Sov. Soluz. no. 3:22-25 '63.
- NOVOROSSIYSK—LIBRARIES**
A house on Marat Street. I. Korshunov. Sov. deput. trud. no. 3:67-68 Mr '63.
- NOVOROSSIYSK—PIERS**
Model construction of the Shirokii pier in Novorossiysk harbor. V. G. Yakovenko. Transp. stroi. 12 no. 0: 29-31 S '62.
- NOVOSIBIRSK—EDUCATION, COOPERATIVE**
Work training in the schools of Novosibirsk. M. S. Aifirov. Shkola i prosv. 6 no. 9:8-11 S '62.
- NOVOSIBIRSK—NEWSPAPER AND PERIODICAL CIRCULATION**
Manager of a subscription center. M. Brodskaya. Raspr. pech. no. 1:9 Ja '62.
- NOVOSIBIRSK PROVINCE—BUILDING MATERIALS**
Use of local building materials in Siberia. I. A. Savitskii. Sel'. stroi. 15 no. 3:6-7 Mr '60.
- NOVOSIBIRSK PROVINCE—COMMUNITY CENTERS**
A spring with new boundaries. A. Ivanchenko. Klub 11 no. 5:19 My '62.
- NOVOSIBIRSK PROVINCE—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES**
Surplus commodities. Sh. Sverdlik. Den. i kred. 21 no. 1:24-29 Ja '63.
- NOVOSIBIRSK PROVINCE—POLITICS AND GOVERNMENT**
In the Factory Voting District. N. Monchadskaya. Sov. deput. trud. no. 3:12-15 Mr '63.
- NOVOSIBIRSK RESERVOIR REGION—BIRDS—MIGRATION**
Materials on the fall migration of birds in the Novosibirsk Reservoir region. A. M. Gynagazov. Migr. zhiv. no. 3:126-134 '62.
- NOVOTUL'SKIY—BLAST FURNACES**
Rapid construction of a very large blast furnace. I. A. Chukseev. Na stroi. Ros. 3 no. 3:1-4 Mr '62.
- NOVYYE SENZIYAR DISTRICT—BEEF CATTLE—FEEDING AND FEEDS**
Important measure for increasing meat production. S. G. Ostrenko. Veterinaria 37 no. 7:25 Ji '60.
- NOZZLES—WELDING**
Strength and character of the failing of welded joints connecting nozzles with vessel bodies stressed by internal pressure. G. Z. Zaitsev, D. M. Shur. Svar. prozv. no. 2:30-32 F '63.
- NUCLEAR COUNTERS**
Increase of the upper logarithm limit of triode and pentode logarithmic counting devices. N. P. Volkov. Avtom. i telem. labor. st. no. 3:86-90 '62.
Theory of the action of a proportional counter. G. E. Kochurov, G. A. Korolev. Izv. AN SSSR. Ser. fiz. 27 no. 2:301-307 F '63.
- NUCLEAR ENGINEERING**
Brief news. Atom. energ. 14 no. 3:336 Mr '63.
[Nuclear engineering abroad] Atom. tekhn. za rub. 7 no. 2 F '63.
- NUCLEAR FISSION**
Formation of $Zr^{97}Cl_4$ in the slowing down of fission fragments in chlorine containing gases. I. Zvara and others. Dokl. AN SSSR 148 no. 3:555-557 Ja '63.
Studying nuclear fission physics by methods of neutron spectroscopy [with summary in English]. M. I. Pevzner. Trudy Inst. fiz. AN Gruz. SSR 8:75-78 '62.
- NUCLEAR GEOPHYSICS**
Twenty-fifth anniversary of some concepts and the program of the study of nuclear geology by Academician Vladimir Ivenovich Vernadskii. A. A. Polkarov. Izv. AN SSSR. Ser. geol. 28 no. 3:19-28 Mr '63.
V. I. Vernadskii, founder of nuclear geology. D. I. Shcherbakov. Izv. AN SSSR. Ser. geol. 28 no. 3:3-8 Mr '63.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

- Conjugated systems. Part 167: Nuclear magnetic resonance spectra and structure of diene hydrocarbons. A. A. Petrov, V. B. Lebedev, I. I. Porfir'eva, Zhur. ob. khim. 33 no. 2:416-418 F '63.
- Energy levels and relative intensities of nuclear spin resonance lines in monocystals [with summary in English]. N. E. Ainbinder, V. S. Grechishkin. Izv. vys. ucheb. zav. radiofiz. 5 no. 6:1123-1129 '62.
- Nuclear magnetic resonance theory in ferro- and antiferromagnetic materials. I. U. M. Seidov. Fiz. met. i metalloved. 15 no. 1:32-35 Ja '63.
- Proton relaxation in zeolitic water. I. V. Matlash and others. Zhur. strukt. khim. 4 no. 1:105-107 Ja-F '63.
- Widening of resonance lines by the quadrupole interaction. N. G. Koleskova. Fiz. met. i metalloved. 15 no. 1:137-139 Ja '63.

NUCLEAR MODELS

- Analysis of the altitude dependence of extensive air showers for various models of nuclear interactions at high energies [with summary in English]. E. V. Gedalin. Trudy Inst. fiz. AN Gruz. SSR. 8:115-123 '62.
- Interpretation of the levels of the odd-odd p30 nucleus according to Nilsson's model. A. K. Val'ter and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:228-231 F '63.

NUCLEAR PHOTOGRAPHY see Photography, Particle track

NUCLEAR PHYSICS—CONGRESSES

- Vsesoyuznaya konferentsiya po iadernym reaktsiyam pri mal'kikh i srednikh energiyakh, 22, Moscow, 1960. [Transactions of the Second All-Union Conference on Nuclear Reactions at Low and Medium Energies] Trudy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 658 p.

NUCLEAR PHYSICS—RESEARCH see subdivision under Dubna

NUCLEAR REACTIONS

- Co⁵⁸ recoil effect after the reaction (γ, n) in complex compounds of cobalt. Amar Nat. An. N. Nesmetanov. Radiokhimiya 5 no. 1:125-134 '63.
- Deuteron disruption on nonaxial nuclei. V. K. Luk'yanov. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:74-79 Mr-Ap '62.
- Experimental evidence for direct interactions [translated from the English]. H. E. Gove. Usp. fiz. nauk 79 no. 2:295-317 F '63.
- Levels of the Sm¹⁵⁰ nucleus excited in the (n, γ) reaction. L. V. Groshev and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:216-227 F '63.
- On the theory of the genesis by radiation of electron-positron pairs on a nucleus. N. F. Nelipa. Dokl. AN SSSR 148 no. 1:68-70 Ja '63.
- Polarization arising in the elastic scattering of fast deuterons on protons and nucleon-nucleon interaction [with summary in English]. S. Matinian, O. Chelshvili. Trudy Inst. fiz. AN Gruz. SSR. 8:95-101 '62.
- Study of γ -rays corresponding to the 1308 Kev. resonance in the reaction Si²⁸ (p, γ) p³⁰. A. K. Val'ter and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:232-234 F '63.

NUCLEAR REACTORS

- Determination of local and mean heat transfer coefficients for fuel rods of an IRT research reactor [with summary in English]. V. I. Gomelauri, G. V. Rafanil. Trudy Inst. fiz. AN Gruz. SSR. 8:25-40 '62.
- Determining the external blocking effect in multiplying assemblies with heavy-water moderators. V. F. Belkin, O. V. Shvedov, B. P. Kochurov. Atom. energ. 14 no. 3:281-284 Mr '63.
- Dynamics of a spherically symmetric fast pulsed reactor. V. F. Kolesov. Atom. energ. 14 no. 3:273-280 Mr '63.
- Impulse-type power control system of a nuclear reactor. I. U. V. Grigor'ev, B. A. Kuvshinnikov. Avtom. i telem.; sbor. st. no. 3:16-21 '62.
- Increase in the reliability of a protection system in the presence of noise. P. I. Popov, V. G. Terent'ev. Avtom. i telem.; sbor. st. no. 3:22-25 '62.
- Indium-gallium circulation loop of an IRT nuclear reactor [with summary in English]. A. Kh. Breger and others. Trudy Inst. fiz. AN Gruz. SSR. 8:51-58 '62.
- "Radiation" type nuclear reactors [with summary in English]. I. U. S. Riabukhin, A. Kh. Breger. Trudy Inst. fiz. AN Gruz. SSR. 8:59-62 '62.
- Research reactors [with summary in English]. V. V. Goncharov. Trudy Inst. fiz. AN Gruz. SSR. 8:3-14 '62.
- Resonance absorption of neutrons in heterogeneous reactors [with summary in English]. T. V. Golashvili. Trudy Inst. fiz. AN Gruz. SSR. 8:41-50 '62.
- A stand for studying the transient operating conditions of a nuclear power system. I. U. I. Gribanov and others. Avtom. i telem.; sbor. st. no. 3:5-15 '62.
- Thermal stresses and strains in a long beam with non-uniform internal heat release. V. A. Tsykanov. Atom. energ. 14 no. 3:322-324 Mr '63.
- Thermal stresses in rectangular heat generating blocks [with summary in English]. A. S. Trofimov. Inzh.-fiz. zhur. 6 no. 2:127-130 F '63.

NUCLEAR REACTORS—ABSTRACTS

- [Nuclear reactors] Ref. zhur.: IAd, reak. no. 1-3 Ja-Mr '63.

NUCLEAR RESEARCH see subdivision under Norway

NUCLEAR RESEARCH—BIBLIOGRAPHY see Bibliography—Nuclear research

NUCLEAR SPIN

- Properties of odd and odd-odd nuclei with $C 55 \leq Z, N \leq 75$. L. K. Peker, I. U. N. Novikov. Izv. AN SSSR. Ser. fiz. 27 no. 2:295-300 F '63.

NUCLEIC ACID METABOLISM

- Autoradiographic detection by the use of H³-thymidine of the synthesis of deoxyribonucleic acid in the nerve cells of white rats after whole-body X-ray irradiation. N. D. Gracheva. Radiobiologiya 3 no. 1:81-87 '63.

NUCLEIC ACIDS

- Comparative data on the nucleotide composition of nucleic acids in the cell nuclei of brain tissues [with summary in English]. R. G. Brown, N. G. Krasnopevtseva. Vest. LGU 18 no. 3:90-98 '63.
- Comparative study of the nucleotide composition of micro-somal and soluble RNA in insects. N. A. Gumilevskaya, N. M. Sisakian. Dokl. AN SSSR 149 no. 1:198-201 Mr '63.
- Comparative study of the nucleotide composition of soluble ribonucleic acids in certain species of bacteria and animals. G. N. Zaitseva and others. Dokl. AN SSSR 147 no. 5:1211-1214 D '62.
- Effectiveness of high-polymeric DNA in the treatment of acute radiation sickness. R. E. Libinon and others. Radiobiologiya 3 no. 1:111-116 '63.
- Nuclear multiplication and DNA synthesis in the developmental process of somatic musculature. L. Zhinkin, L. Andreeva. Dokl. AN SSSR 149 no. 1:185-188 Mr '63.
- Participation of deoxyribonucleic acid in the synthesis of polyribonucleotides of the enzymatic system of animal tissues. N. V. Bogoyavlenskii, M. A. Guberniev. Dokl. AN SSSR 147 no. 5:1208-1210 D '62.
- Ribonucleic acid as a growth stimulator of algae [with summary in English]. V. P. Vendt, I. H. Drokova. Ukr. bot. zhur. 19 no. 6:60-63 '62.

NUCLEONS

- Nucleons and pions (from "Chemie für Laboratorium und Betrieb," August, 1962). Priroda 52 no. 2:113-114 '63.

NUCLEOTIDES

- Comparative data on the nucleotide composition of nucleic acids in the cell nuclei of brain tissues [with summary in English]. R. G. Brown, N. G. Krasnopevtseva. Vest. LGU 18 no. 3:90-98 '63.

NUKUS—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

- A committee is working. D. Duryshkin. Part. zhizn' [Uzb.] 6 no. 1:89-90 Ja '63.

NUMBERS, THEORY OF

- Number of integral points in a three-dimensional space. I. M. Vinogradov. Izv. AN SSSR. Ser. mat. 27 no. 1:3-8 Ja-F '63.
- Recursive real numbers and recursive functional spaces. N. A. Shanin. Trudy Mat. inst. 67:15-204 '62.
- Some properties of recursive real numbers and recursive functions. I. D. Zaslavskii. Trudy Mat. inst. 67:365-457 '62.

NUMERICAL WEATHER FORECASTING

- Forecasting of the barometric field, temperature, and vertical velocities of the hemisphere for a period not exceeding 5 days. G. P. Kurbatkin. Izv. AN SSSR. Ser. geofiz. no. 12:1825-1836 '62.

NUMISMATICS

- "Russian monetary system": historical and numismatic sketch by I. G. Spasskii. Reviewed by V. L. Janin. Sov. arkhivol. 7 no. 1:322-325 '63.

NURSERY SCHOOLS see subdivision under White Russia

NURSERY SCHOOLS—DESIGN AND CONSTRUCTION

- New standards for the design of kindergartens and nursery schools. V. Smirnov. Zhil. stroi. no. 1:29 '63.

NURSERY STOCK

- Petukhov, S. P., N. K. Smol'yanova, and A. S. Spirina. [Growing berry nursery stock] Vyrashchivaniye posadonchnogo materiala lagodnykh kul'tur. Moskva, Sel'khozizdat, 1962. 206 p. (DNAL)

NURSK HYDROELECTRIC POWER STATION—HYDRAULICS

- Hydrologic characteristics of the Nurek Hydroelectric Power Station. V. P. Svetitskii, A. B. Malkov. Vop. gidr. no. 10:110-128 '62.

NUTHATCHES see subdivision under Moscow region

NUTRITION

- (see also subdivision under Tiflis)
- Baranovskii, L. V. [Eat the right kind of food] Pitaites' pravil'no. Moskva, Gos. izd-vo med. lit-ry, 1962. 102 p. (DNAL)

NUTRITION—STUDY AND TEACHING

- Laboratory work on compiling food rations for man. A. I. Nesterov, A. A. Kamaeva. Biol. v shkole no. 5: 30-33 S-O '62.

NYLON

- Automatic regulation of the pressure of polymer in a melt-conducting pipe. A. Z. Grishchenko and others. Khim. volok. no. 1:53-58 '63.
- Delustring of capron fiber. M. I. A. Guskov, V. Khim. volok. no. 3:28 '62.
- Dynamics of the automatic control of levels of lactam in the NP apparatus. A. Z. Grishchenko, O. V. Sakhtenko. Khim. volok. no. 1: '62.
- Improvement of the quality of capron runners. I. Ablochnik. Khim. volok. no. 1:68 '63.
- "Kaproton" (caprolan). K. N. Vlasova and others. Plast. massy no. 1:18-19 '63.
- Knit capron tie. A. Fedorova. Mest. prom. promys. 3 no. 12:31 D '62.
- Manufacturing capron bushings. V. N. Kestel'n Ivashkevich. Mashinostroyeniye no. 8:29-31 N '63.
- Oiling preparation for capron fiber. A. A. Tair S. A. Zhukova. Khim. volok. no. 1:66-68 '63.
- On the thermomechanical properties of capron [summary in English]. M. A. Koltunov, V. N. B. khov. Vest. Mosk. un. Ser. 1:Mat., mekh. no. N-D '62.
- Signalling and control of the operation of the P1 unit for the formation of capron filament. V. N. A. Smolin. Khim. volok. no. 3:64-67 '62.
- Technology of the manufacture of warp-knit fabrics imitating lace. G. N. Tutunova, A. G. Nauch.-issl. trudy VNIITP no. 2:122-142 '60.
- Ways of improving the technological and economic in the manufacture of capron filament for textile. G. A. Kirsanova. Khim. volok. no. 3:73-76 '61.

NYLON—ELECTRIC PROPERTIES

- Electric conductance of melted polycaprolactam Bushin, I. A. Dumanskii. Khim. volok. no. 1:2 '62.

NYLON—MOLDING

- Machine for casting nylon products. V. Gorets Stroltel' 8 no. 1:11 Ja '62.

NYLON—TESTING

- Effect of the properties and structure of initial filaments on the qualitative indices of elastic. V. A. Usenko, S. Saidmuratov, A. G. Borik. Khim. volok. no. 3:56-59 '62.

OAK see subdivision under Bryansk Province; 1 Territory; Oral Province; Vorkuta Valley

OAK, FOSSIL see subdivision under Kura-Taita

OATS see subdivision under Kalardino-Balkar

OATS—FERTILIZERS AND MANURES

- Effect of fertilizers on the yield of cabbage and sown along with oats on reclaimed virgin land Krasivskaya. Biol. nauch.-tekhn. inform. SZNI no. 3:14-16 '58.

OB' BAY—FISHES—FOOD

- Leshchinskaya, A. S. [Zooplankton and benthos of Bay as food for fishes] Zooplankton i bentos Ob' guby kak kormovaya baza dlia ryb. Sverdlovsk 75 p. (Akademiya nauk SSSR, Ural'skii filial, lovs. Salekhardskii statistonar. Trudy, no. 2)

OB' RIVER—INLAND WATER TRANSPORTATION EMPLOYEES

- Ivulin, N. M. [Experience in combining professional river motorships] Opyt sovmeshcheniya na teplekhodakh Obl. Moskva, Izd-vo "techno port," 1962. 33 p.

OB' VALLEY—TULAREMIA

- Zoopaedagogical observations in the arvicole tularemia focus in the Ob' River bottom land [summary in English]. N. I. Igolkin. Trudy Tomsk. 72-80 '60.

OBITUARIES

- Losses to science. V. V. Tykhomirov, L. B. Bel Izv. AN SSSR. Ser. geol. 27 no. 12:110-112 D '62.

OBSESSIONS

- Psychotherapy for obsessive (psychasthenic) state [in Georgian with summary in Russian]. E. G. Gobreidze. Trudy Tbil. GIDUV 6:179-184 '61.

OBSTETRICS—EQUIPMENT AND SUPPLIES

- Comparative evaluation of the results of surgery: mother and the fetus following the use of obstetrical forceps and a vacuum extractor. K. V. Chachava. Trudy Tbil. GIDUV 6:453-458 '62.

OBSTETRICS—SURGERY

- Comparative evaluation of the results of surgery: mother and the fetus following the use of obstetrical forceps and a vacuum extractor. K. V. Chachava. Trudy Tbil. GIDUV 6:453-458 '62.

OCCUPATIONAL THERAPY

- Prophylactic significance of rational rehabilitation: sluggish and latent rheumatic fever [with summary in English]. O. I. Sokol'nikov, I. U. D. Arbatskaya, Dukhovnaya. Vop. revm. 2 no. 3:65-68 Ji-S '62.

OCCUPATIONS, DANGEROUS

Instruction. Ochr. truda i sots. strakh. 6 no. 2:44-46 F '63.

OCEAN BOTTOM see subdivision under Arctic Ocean

OCEAN LINERS

Composition and principle technical and operational characteristics of dry cargo ships sailing regular ocean lines and belonging to capitalist countries of Europe. S. V. Lainer, N. Z. Volchek, E. L. Limonov. Trudy TSNIIMF no. 43:64-80 '62.

OCEAN TEMPERATURE

(see also subdivision under Arctic regions)
Heat balance of oceans. L. A. Strokina. Trudy GGO no. 133:3-25 '62.

OCEANOGRAPHIC RESEARCH

(see also subdivision under Arctic regions)

Development in the United States of submarine boats for deep sea oceanographic research; from data in the foreign press. V. N. Gerasimov. Mor. sbor. 46 no. 2: 76-83 F '63.

Signs of some phenomena in light spectra in the depths of the sea. V. V. Shuleikin. Izv. AN SSSR, Ser. geofiz. no. 10:1404-1415 O '62.

OCEANOGRAPHIC RESEARCH STATIONS see subdivision under Arctic regions

OCEANOGRAPHY

(see also subdivision under Antarctic regions; Kara Sea; Laptev Sea; Mediterranean Sea)

Geological role in the changes of the level of the world ocean. N. P. Vasil'kovskii. Trudy SNIIGIMS no. 13: 79-89 '60.

Stages in the development of external geospheres and sedimentary rocks in the history of the earth. N. M. Strakhov. Izv. AN SSSR, Ser. geol. 27 no. 12:3-22 D '62.

OCCULOMOTOR NERVE—DISEASES

Lesion of the nucleus of the oculomotor nerve in tumors of the brain stem; clinical anatomical comparisons. V. M. Pantileeva. Probl. sovr. neirokhir. 4:267-277 '62.

ODESSA—ART—SOCIETIES, ETC.

"Association of South Russian Artists" by V. Afanas'ev. Reviewed by G. Ostrovskii. Iskusstvo 25 no. 9:70-71 '62.

ODESSA—AUXILIARY POLICE

Surprise inspection by volunteer policemen. T. Ozer-nuk. Rad. pravo no. 5:35-38 S-O '62.

ODESSA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Konovalov, V. H. [Enrich the forms of political propaganda] Zbafachuvaty formy politychnoi agitatsii. [Odessa] Odes'ke knyzhkovye vyd-vo, 1959. 25 p. (Bibliotekha agitatora)

ODESSA—CONTAINER INDUSTRY

Experience in operating the automatic "STC-40" machine for the manufacture of SKK bottle caps. N. I. Vain-shenker, G. A. Barshadskii. Kons. i ov. prom. 18 no. 2:21-25 F '63.

ODESSA—GRAIN ELEVATORS

Odessa harbor elevator. I. Peremetov, I. Boiko, N. Grigor'ev. Muk. -elev. prom. 28 no. 11:10-11 N '62.

ODESSA—HOUSING MANAGEMENT

With our own hands. M. Binov, P. Karas'. Zhil. -kom. khoz. 12 no. 8:8 Ag '62.

ODESSA—LODGINGHOUSES

Malboroda, L. S. [Educational work in lodgings] Vykhozna rabota v huzlozhkykh. [Odessa] Odes'ke knyzhkovye vyd-vo, 1959. 15 p. (Bibliotekha agitator)

ODESSA—LONGSHOREMEN

Make progressive practices available to each brigade. S. Gelfond. Mor. flot 23 no. 2:40 F '63.

ODESSA—ROLLING MILLS

Creative approach. I. Lapa. Agitator no. 5:35-36 Mr '63.

ODESSA—SHOE MANUFACTURE—TECHNOLOGICAL INNOVATIONS

Proposals of the efficiency promoters of the Odessa Shoe Factory No. 2. F. M. Ustin and others. Leh. prom. no. 3:50-61 '62.

ODESSA—SOCIAL PROBLEMS

Magarin, N. S. [Call idlers to account] Tuneladtsiev - ketvets. [Odessa] Odeskoe knizhnoe izd-vo, 1961. 32 p.

ODESSA—STEEL INDUSTRY

Agitators must be guided constantly. A. Lebedinskii. Agitator no. 7:50-51 Ap '62.

ODESSA—WAGES—LEATHER INDUSTRY

Wages based not on the operation but on the finished product. A. Fuks. Sots. trud 8 no. 2:113-115 F '63.

ODESSA PROVINCE—CLOTHING INDUSTRY—LABOR PRODUCTIVITY

Firms and labor productivity. V. Emets, V. Katsnel'son. Sots. trud 8 no. 1:43-47 Ja '63.

ODESSA PROVINCE—SUGAR BEETS

Dovha, M. L. [Exemplary work of a propagandist] Osobystyi pryklad agitatora. [Odessa] Odes'ke knyzhkovye vyd-vo, 1959. 12 p. (Bibliotekha agitatora)

OFFENSES AGAINST SOCIALIST PROPERTY

(see also subdivision under Artemovsk, Donetsk Province; Glukhov)

The pilfering and embezzling of state and communal property and the acts of malversation committed by the employees of governmental agencies and public-service organizations. G. Kriger. Sov. iust. no. 3:19-21 F '63.

We should try to eliminate the factors and conditions which contribute to pilfering and bribery. I. A. Gurvich. Sov. iust. no. 2:16-17 Ja '63.

OFFICE EQUIPMENT AND SUPPLIES

Oslanovskii, T. S. [Paper, cardboard, school stationery and office equipment and supplies; manual] Bumaga, karton, shkol'no-pl'smennye i kantseliarskie tovary; spravochnik. Moskva, Gostorgizdat, 1962. 161 p.

OFFICE MANAGEMENT

In the office of an executive committee. Panna Mal'tis. Sov. deput. trud. no. 3:88-90 Mr '63.

O'HENRY pseud. see Porter, William Sydney, 1862-1910

OHMMETER

Transistorized megohmmeters. K. G. Skachko. Izv. vys. ucheb. zav. i energ. 6 no. 1:103-106 Ja '63.

ODOV, CHOIZHAMTSYN, 1917-

Historical development of Mongolian dramaturgy; plays by Ch. Odov. L. K. Gerasimovich. Uch. zap. LGU no. 300: 87-111 '62.

OIL COOLERS

Oil coolers made with "antegmit" (graphite plastic) pipes. N. M. Khvatkov. Koks i khim. no. 1:57-59 '63.

OIL FIELD BRINES

(see also subdivision under Kura Lowland)

Concerning G. A. Borshchevskii's article "Methods of regional and hydrogeological studies in oil- and gas-bearing basins." I. U. V. Mukhin. Sov. geol. 5 no. 12: 141-144 D '62.

OIL FIELD FLOODING

Interference of horizons through a lithologic window. G. P. Guseinov. Azerb. neft. khoz. 41 no. 5:21-23 My '62.

OIL FIELDS see subdivision under Neftelensk; Volg-Ural region

OIL FIELDS—ELECTRIC EQUIPMENT

Petrosian, A. N. [Automatic control and relay protection of electrical systems in oil fields] Avtomatika i rel'einaia zashchita elektrostanoek neftianykh promyslov. Leningrad, Gostoptekhzdat, 1962. 322 p.

OIL FIELDS—EQUIPMENT AND SUPPLIES

(see also subdivision under Tatar A. S. S. R.)

Abrikos, A. L., and L. A. Khirnykh. [Remote control in petroleum production] Telenekhanizatsia dobychi nefi. Moskva, Gostoptekhzdat, 1962. 302 p.

OIL FIELDS—PRODUCTION METHODS

(see also subdivision under Apsheron Peninsula; Arteni Island; Azerbaijan; United States)

Method for determining the economic effectiveness of new petroleum production processes. N. P. Gavrilov. Azerb. neft. khoz. 41 no. 7:46-48 Ji '62.

Permissible duration of the oil-well production period with sand ejection [in Azerbaijan with summary in Russian]. Ch. I. Abbasov, L. S. Melik-Azlanov. Azerb. neft. khoz. 41 no. 5:25-26 My '62.

Smirnov, A. S. [Technical improvements in well drilling and petroleum production] Tekhnicheskie usovershenstvovaniia v burenii skvazhin i dobyche nefi; iz opyta rabot sovnarkhozov neftianykh raionov. Moskva, Gostoptekhzdat, No. 2. 1962. 127 p.

Studying the effect of connate and expulsive waters on the speed and height of capillary expulsion [in Azerbaijan with summary in Russian]. V. T. Avanesov, A. Sh. Asadov. Azerb. neft. khoz. 41 no. 7:28-31 Ji '62.

OIL FIELDS—SAFETY MEASURES

(see also subdivision under Sakhalin)

Preventing the formation of hydrocarbon hydrates in operating gas wells. A. G. Pashaev. Bezop. truda v prom. 7 no. 2:27-28 F '63.

Scientific-technical session of the All-Union Petroleum Research Institute on Safety Engineering. I. U. Semenenko. Bezop. truda v prom. 6 no. 11:38-39 N '62.

OIL HYDRAULIC MACHINERY

Characteristics of combined hydraulic torque converters. S. M. Trusov. Avt. prom. 29 no. 2:24-30 F '63.

Impact pressure caused by the stop of a hydraulic drive. L. M. Tarko. Stan. i instr. 34 no. 1:12-14 Ja '63.

Pogorelov, V. I., and G. A. Medvedev. [New systems of regulating pressure in hydraulic drives] Novye sistemy regulirovaniia davleniia v gidroprivodakh. Leningrad, 1962. 22 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen perezodnym opytom. Seria: Mekhanicheskaya obrabotka, no. 23)

Rubinov, L. A. [Hydraulic equipment for metal-cutting machines] Gidravlicheskaya apparatura dlia metallorezhushchikh stankov; stenogramma. Leningrad, 1962. 53 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seria: Mekhanicheskaya obrabotka)

OIL HYDRAULIC MACHINERY—TESTING

Studying the characteristics of hydraulic torque converters regulated by the rotation of the blades. I. A. B. Kudriavtsev. Trudy MII no. 150:103-121 '62.

OIL INDUSTRIES

Let's bring the fats and oils industry to the level of the new requirements. Masl. -zhir. prom. 29 no. 1:1-8 Ja '63.

OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

Experience in the use of hydrocyclones for the purification of sunflower seed micelle. V. A. Maslikov and others. Masl. -zhir. prom. 29 no. 1:27-30 Ja '63.

OIL RESERVOIR ENGINEERING

(see also subdivision under Neftyanyye Kamni region)

Comparing middle and edge oil saturation in the flow of thinned oil in nonuniform layers. A. M. Kuliev. Azerb. neft. khoz. 41 no. 11:20-23 N '62.

Effect of the nonuniformities of producing layers on the curves of pressure build-up and hydraulic sounding. V. I. Pikuza. Izv. AN SSSR, Otd. tekhn. nauk. Mekh. i mashinostr. no. 1:146-149 Ja-F '63.

[Effect of the properties of rocks on the fluid flow in them] Vliianie svoistv gornykh porod na dvizheniia v nihk zhidkosti. [By] A. Ban i dr. Moskva, Gostoptekhzdat, 1962. 274 p.

Factors determining the recovery of oil. T. M. Guseinov. Azerb. neft. khoz. 41 no. 4:22 Ap '62.

Flow toward a horizontal well of finite length under bottom water pressure [in Azerbaijan with summary in Russian]. I. A. Nasrullaev. Azerb. neft. khoz. 41 no. 4:23-24 Ap '62.

Production of wells having two shafts. S. S. Oganov, D. V. Lipnitskii. Azerb. neft. khoz. 41 no. 4:28-30 Ap '62.

Separate production of oil and bottom water in nonuniform layers. K. N. Dzhalilov. Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefi no. 4:99-103 '62.

Solution of plane flow problems by the Monte-Carlo method. M. I. Shvidler. Izv. AN SSSR, Otd. tekhn. nauk. Mekh. i mashinostr. no. 1:141-146 Ja-F '63.

OIL SANDS

Tectonics of sediments underlying producing formations. B. V. Grigor'ants. Azerb. neft. khoz. 41 no. 11:9-11 N '62.

OIL SANDS—PERMEABILITY see subdivision under Azerbaijan

OIL SHALES

Averbukh, A. Ia., and V. A. Proskurnikov. [Chemical products from oil shale] Khimicheskie produkty iz slantsa. Leningrad, Ob-vo po raspr. polit. i nauchn. znaniu RSFSR, Leningr. otd-nie, 1961. 43 p. [MICROFILM]

OIL WELL CASING see subdivision under Kuban

OIL WELL DRILLING

Air pressure losses in the compensators during the drilling of wells. S. A. Kuratn and others. Avtom. kont. i izm. tekhn. no. 6:184-191 '62.

Determination of the cost of a linear meter of well sinking at different intervals of depths. S. M. Kuliev, A. G. Mdivani, A. A. Kullbekov. Azerb. neft. khoz. 41 no. 5:47-48 My '62.

Determination of the critical number of revolutions of a drill bit in structural drilling. G. N. Dzhalil-Zade. Azerb. neft. khoz. 41 no. 4:18-21 Ap '62.

Determination of the effective depth in turbodrilling based on the mechanical properties of rocks. T. G. Faradzhev, S. A. Nazirov. Azerb. neft. khoz. 41 no. 11:14-19 N '62.

Selecting petroleum for making a petroleum bath. F. A. Dashedmurov. Azerb. neft. khoz. 41 no. 4:20-21 Ap '62.

Smirnov, A. S. [Technical improvements in well drilling and petroleum production] Tekhnicheskie usovershenstvovaniia v burenii skvazhin i dobyche nefi; iz opyta rabot sovnarkhozov neftianykh raionov. Moskva, Gostoptekhzdat, No. 2. 1962. 127 p.

Using methods of linear programming when solving problems of the organization of drilling operations. M. G. Danellian. Azerb. neft. khoz. 41 no. 7:15-17 Ji '62.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Effect of heat insulation of eduction pipes on pressure losses. R. A. Ramazanova. Azerb. neft. khoz. 41 no. 5:24-25 My '62.

Effective geometry of the working area of sliding three roller bits [in Azerbaijan with summary in Russian]. A. M. Abdul-zade. Azerb. neft. khoz. 41 no. 7:17-20 Ji '62.

Lateral vibrations of the drill spring in turbodrilling. A. K. Kusumov. Azerb. neft. khoz. 41 no. 11:16-19 N '62.

Wear of the teeth of roller bits. G. E. Efendiev. Azerb. neft. khoz. 41 no. 5:30-42 My '62.

- OIL WELL DRILLING, SUBMARINE—FIRES AND FIRE PREVENTION** see subdivision under Neftyanyye Kamni region
- OIL WELL DRILLING FLUIDS**
Determination of the structural and mechanical properties of drilling fluids. D. A. Shamkhalov. Azerb. neft. khoz. 41 no. 5:17-20 My '62.
Hydrodynamic bases for determining the permissible speed of borehole processing in well drilling. M. K. Seid-Rza, T. G. Faradzhev. Azerb. neft. khoz. 41 no. 4:13-15 Ap '62.
Selecting water for oil well flushing fluids. M. K. Alekper-zade. Azerb. neft. khoz. 41 no. 4:31-33 Ap '62.
- OIL WELL DRILLING RIGS**
(see also subdivision under Azerbaijan)
Determination of the basic parameters of a small hydraulic feed controller with a minimum variation coefficient for movable rigs. M. A. Garibov. Azerb. neft. khoz. 41 no. 7:43-45 Ji '62.
Small hydraulic bit-feed controller with a minimum variation factor for movable drilling rigs. M. A. Garibov. Azerb. neft. khoz. 41 no. 5:42-46 My '62.
- OIL WELL LOGGING, ELECTRIC**
(see also subdivision under Azerbaijan)
Aksel'rod, S. M. [High-frequency methods for studying boreholes; induction and electric logging] Vysokochastotnye metody issledovaniya skvazhin (induktatsionny i dielektricheski karotazh). Moskva, Gosgeoltekhizdat, 1962. 31 p.
- OIL WELL PUMPS**
(see also subdivision under Azerbaijan)
Concerning certain comparative indices of the performance of rodless piston pumps. V. I. Dokumentov. Azerb. neft. khoz. 41 no. 11:43-46 N '62.
- OIL WELLS—COMMUNICATION SYSTEMS**
Using the KORD-4 for transmitting a sinusoidal signal. M. A. Gadzhiev. Azerb. neft. khoz. 41 no. 4:40-43 Ap '62.
- OIL WELLS—EQUIPMENT AND SUPPLIES**
Automatic programmed measurement of petroleum yield. D. A. Naumov. Mekh. i avtom. protzv. 17 no. 2:21-24 F '63.
Movable units for underground overhauling of wells. V. I. Kabanov. Bezop. truda v prom. 6 no. 11:26-27 N '62.
Some problems in the mechanization of drilling operations. V. A. Vorob'ev, R. F. Khonishin. Bezop. truda v prom. 7 no. 2:14 F '63.
- OIL WELLS—GAS LIFT**
Present status of oil production by the artificial lift method and prospects for developing it. S. A. Vezirov, A. B. Suleimanov, V. P. Kaufman. Azerb. neft. khoz. 41 no. 11:26-30 N '62.
- OIL WELLS—HYDRAULIC FRACTURING** see subdivision under Azerbaijan; Caspian Sea region
- OIL WELLS—TESTING**
Experimental study of clay rocks on well walls. A. A. Shamsiev, T. G. Faradzhev. Azerb. neft. khoz. 41 no. 5:14-17 My '62.
- OIL WELLS—THERMAL PROPERTIES**
[Effect of temperature on deep drilling processes] Vliyanie temperatury na protsess bureniya glubokikh skvazhin. [By] B. I. Es'man i dr. Moskva, Gosoptekhlizdat, 1962. 150 p.
- OILCLOTH**
Rapid refractometric method of determining the high-boiling fraction content of nitromastic. E. S. Khoro-shaia and others. Nauch.-issl. trudy VNIPIK no. 12: 112-114 '60.
- OILS AND FATS**
Use of vegetable oils in the production of biomyces. V. P. Borisov, A. A. Gorbash. Spirt. prom. 29 no. 1:22-23 '63.
- OILS AND FATS—BIBLIOGRAPHY** see Bibliography—Oils and fats
- OILS AND FATS—PATENTS**
Certificates of inventions and patents. Masl. -zhir. prom. 29 no. 1:42-44 Ja '63.
From the foreign patent literature of the fats and oils industry. G. S. Frid. Masl. -zhir. prom. 29 no. 1:44-46 Ja '63.
- OILS AND FATS—THERMAL PROPERTIES**
Heat conductivity of some flotation oils obtained from the by-products of wood-processing industries. L. T. Krasivskaya, V. N. Kozlov. Trudy Inst. khim. UFAN SSSR no. 6:55-61 '61.
- OKA PRESERVE—BIRDS**
Supplements and corrections to the list of birds in the Oka Preserve and Ryazan Province. E. S. Ptushenko. Ornitologiya no. 5:108-109 '62.
- OKHOTSK SEA REGION—SANDPIPERS**
Sandpiper Tringa guttifer Nordm. on the shores of the Sea of Okhotsk. V. D. Iakhtonov. Ornitologiya no. 5: 284-285 '62.
- OLD-AGE PENSIONS**
Social insecurity of aged workers and employees in capitalist countries. V. Acharkan. Sots. trud 8 no. 1:118-124 Ja '63.
What a printer receiving a pension should know. Poligr. proizv. no. 11:24-25 N '62.
- OLD BELIEVERS**
(see also subdivision under Krasnoyarsk Territory)
The legend of "Belovode". K. V. Chistov. Trudy Kar. fil. AN SSSR no. 35:116-181 '62.
- OLD TURKISH LANGUAGE—GERUND**
Characteristics of the gerund and forms ending in "-duk" in the language of Turkic runic inscriptions. V. G. Kondrat'ev. Uch. zap. LGU no. 305:126-136 '61.
- OLD TURKISH LANGUAGE—SYNTAX**
Construction of the isafat and the direct object in the language of Turkic runic inscriptions. V. G. Kondrat'ev. Uch. zap. LGU no. 306:68-79 '62.
- OLEFINS**
Aging of polyolefins. Thermal oxidative degradation of polyolefins. E. N. Matveeva and others. Plast. massy no. 1:2-7 '63.
Chemical structure of some chlorinated polyolefins. S. A. Adylov and others. Neftekhimiya 3 no. 1:82-89 Ja-F '63.
Preparation of C₉ - C₁₂ olefins by catalytic dehydration of primary alcohols. L. Kh. Freidin and others. Neftekhimiya 3 no. 1:10-12 Ja-F '63.
- OLEIC ACID**
Mechanism of the action of oleic acid oxidized by molecular oxygen in the selective flotation of titanium-zirconium sands. I. N. Plaksin, S. N. Dorokhina. Dokl. AN SSSR 148 no. 3:651-653 Ja '63.
- OLEKMA VALLEY—ORE DEPOSITS**
Relations between magmatism and ore formation in the China gabbro-anorthositic pluton (Eastern Siberia). A. P. Lebedev. Trudy IGEM no. 77:5-18 '62.
- OLEKMA VALLEY—ROCKS, IGNEOUS**
Relations between magmatism and ore formation in the China gabbro-anorthositic pluton (Eastern Siberia). A. P. Lebedev. Trudy IGEM no. 77:5-18 '62.
- OLEORESINS**
Analytical control of the process of disproportionation of rosin. E. O. Turgel' and others. Gidroliz. i lesokhim. prom. 16 no. 1:19-21 '63.
Planning and designing of wood-rosin plants. M. F. Kutygin. Gidroliz. i lesokhim. prom. 16 no. 1:31-32 '63.
- OLIGOCHAETA**
(see also subdivision under Balkai, Lake; Kuybyshev Reservoir)
Nervous system in Tubificidae. N. G. Ekaterininskaya. Uch. zap. Kaz. un. 120 no. 6:52-75 '60.
- OLIGOSACCHARIDES**
Role of oligosaccharides and their dynamics in evaluating the winter hardiness of various forms of winter wheat and rye. M. I. Rybakova. Dokl. AN SSSR 148 no. 1:217-218 Ja '63.
- OMENTUM—TUMORS**
Torsional cyst of the omentum in a child. F. S. Dolgova. Vest. khir. 89 no. 11:144 N '62.
Torsional cyst of the omentum simulating strangulated hernia. G. S. Shklovskii. Vest. khir. 89 no. 11:143 N '62.
- OMSK—AUDITING AND INSPECTION**
Financial council's routine. I. Golovlashkin. Fin. SSSR 37 no. 2:52-54 F '63.
- OMSK—CARBON BLACK**
Effect of sulfur contained in Omsk carbon black on the vulcanization kinetics of SKS-30 ARM butadiene-styrene rubber. G. A. Blokh, A. S. Drozdova. Kauch. i rez. 22 no. 2:16-17 F '63.
- OMSK—GLIDING AND SOARING**
Discussions continue four years. A. Sokol. Kryl. rod. 13 no. 12:21 D '62.
- OMSK PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING**
Rural workers should have technical knowledge. M. Marakhanov. Prof. -tekh. obr. 10 no. 12:11-13 D '62.
- OMSK PROVINCE—PASTURES AND MEADOWS**
Improving natural hayfields and pastures on virgin lands in Omsk Province. E. A. Shtraukhman, I. I. Zagrebaev. Zhivotnovodstvo 23 no. 6:55-68 Je '61.
- OMSK PROVINCE—STOCK AND STOCKBREEDING**
Specialized farms raising farm animals for meat. D. Sumtsov. Ekon. sel'skoy. 34 no. 2:103-104 F '63.
- OMSK PROVINCE—VETERINARY MEDICINE**
Veterinarians of Omsk Province for progress in animal husbandry. K. P. Lobanov. Veterinariia 38 no. 10: 20-21 O '61.
- ONCOLOGY**
Tissue culture in oncology. A. D. Timofeevskii. Priroda 52 no. 2:27-32 '63.
- ONCOLOGY—ABSTRACTS**
[General problems of pathology, Oncology] Ref. zhur. : Ob. vop. pat. Onk. nos. 1-4, 6 Ja-Mr '63.
- ONCOLOGY—BIBLIOGRAPHY** see Bibliography—Oncology
- ONCOLOGY—CONGRESSES**
Theory of the viral origin of cancer in the light of the work of the Eighth International Cancer Research Congress. Kh. Zh. Zhumantov. Zdrav. Kazakh. 22 no. 11:50-60 '62.
- ONEGA BAY—INVERTEBRATES**
The Modiolus modiolus bottom community in the Onega Bay of the White Sea. L. A. Kuderskii. Trudy Kar. fil. AN SSSR no. 33:67-81 '62.
- ONIONS**
Cleaning and grading of onions using the OSM-3U machine. B. Trebin. Tekh. v sel'khoz. 22 no. 12:16-17 D '62.
Onion. Gunaen. Sovr. Mong. 7 no. 11:16 N '62.
Use of machinery in sorting onions. Z. Gorolik, T. Iakushev. Sov. torg. 36 no. 10:51-52 O '62.
- ONIONS—DISEASES AND PESTS** see subdivision under Kirghizistan
- ONTOGENY**
Mirzoian, E. N. [Individual development and evolution; an essay on the history of the correlation between ontogeny and phylogeny] Individual'noe razvitiye i evolyutsiya; ocherk istorii problemy sootnosheniya ontogeneza i filogeneza. Moskva, Izd-vo Akad. nauk SSSR, 1963. 201 p.
- ONTOLOGY**
M. Heidegger's "fundamental ontology" as a form of the propagation of philosophical irrationalism [with summary in English, p. 165]. P. P. Gaidenko. Vop. filoz. 17 no. 2:93-104 '63.
- OPEN-CUT MINING** see Strip mining
- OPEN-HEARTH FURNACES**
Optimum method of calculating the heat absorption of open-hearth furnace baths. V. I. U. Kaganov and others. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:104-200 '63.
Use of borax for the packing of tapping arrangements. A. V. Gusev. Metallurg 8 no. 2:22 F '63.
- OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION**
Manufacture of magnesite-spinel refractories and their use in open-hearth furnace roofs. K. K. Tomash, V. B. Maslov. Stal' 23 no. 1:20-22 Ja '63.
- OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES**
Helical method of laying steel-pouring ladles. A. E. Elitsof, A. M. Ofengenden. Metallurg 8 no. 2:21-22 F '63.
- OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR**
Studying conditions of frilling and wear of hearth bottom in tilting open-hearth furnaces. V. A. Kostuk, A. M. Skrebtsov, O. I. Val'ter. Ogneupory 26 no. 3:113-118 '63.
Testing of magnesite-chromite products in the arches of open-hearth furnaces. K. S. Nazarov. Ogneupory 26 no. 3:119-125 '63.
- OPEN-HEARTH PROCESS**
Accelerating open-hearth furnace smelting with an increased use of oxygen. L. D. Iupko and others. Stal' 23 no. 1:10-10 Ja '63.
Accelerating the production of steel in open-hearth furnace plants. A. N. Morozov. Stal' 23 no. 2:117-121 F '63.
I. P. Bardin Central Scientific Research Institute of Ferrous Metallurgy. I. U. M. Maksimov and others. Stal' 23 no. 2:131, 157-158 F '63.
- OPEN-HEARTH PROCESS—THERMODYNAMICS**
Dynamics of the smelting process. N. P. Svinolobov, I. D. Semkin. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:185-193 '63.
- OPERA** see subdivision under Voronezh
- OPERA, LITHUANIAN**
Yla, Stasya. [Lithuanian national opera] Lietuviu nacionalinio opera, Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1960. 103 p. [In Lithuanian.]
- OPERA, UKRAINIAN—HISTORY AND CRITICISM**
Operas on themes of our times. Anatolii Kos-Anatoli'skyl. Mystetstvo 9 no. 6:25-26 N-D '62.
- OPERATIONAL CALCULUS** see Calculus, Operational
- OPERATIONS, SURGICAL**
Use of intubation anesthesia in emergency surgical operations. A. S. Llubskii, V. V. Uvarov. Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:219-228 '61.

OPERATIVE SURGERY see Surgery, Operative

OPERATORS (MATHEMATICS)

Algorithmic operators in recursive metric spaces. G. S. Tseitlin. Trudy Mat. inst. 67:295-361 '62.

Conditions for the completeness of a system of eigenvectors of a correct operator. I. U. I. Llubich. Usp. mat. nauk 18 no. 1:165-171 Ja-F '63.

Continuation of an operator and the existence of fixed points. N. V. Marchenko. Dokl. AN SSSR 147 no. 5: 1026-1028 D '62.

Dezin, A. A. [Invariant differential operators and boundary value problems] Invariantnye differentsial'nye operatory i granichnye zadachi. Moskva, Izd-vo Akad. nauk SSSR, 1962. 87 p. (Akademiya nauk SSSR. Matematicheskii institut. Trudy, vol. 68)

Dirichlet problem for an equation containing the Monge-Ampere operator. L. A. Bakel'tman, L. A. Guberman. Dokl. AN SSSR 148 no. 2:247-250 Ja '63.

Energy inequalities for elliptic operators with discontinuous coefficients, for general boundary conditions and conditions of conjugation. I. A. A. Rothberg, Z. G. Sheftel'. Dokl. AN SSSR 148 no. 3:531-533 Ja '63.

Estimates in L_2 spaces of solutions to elliptic equations with discontinuous coefficients satisfying general boundary conditions and conjugation conditions. Z. G. Sheftel'. Dokl. AN SSSR 149 no. 1:48-51 Mr '63.

Factorization of a polynomial over the operator B_λ . S. I. Oshpov. Zhur. vych. mat. i mat. fiz. 3 no. 1:101-104 Ja-F '63.

A homogeneous elliptic differential operator with constant coefficients in a space of generalized functions. A. Kaziev. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 6 no. 6:27-31 '62.

An indicant of the existence of wave operators. M. Sh. Birman. Dokl. AN SSSR 147 no. 5:1008-1009 D '62.

Martin boundary for a second-order linear elliptic operator. M. G. Shur. Izv. AN SSSR. Ser. mat. 27 no. 1:45-60 Ja-F '63.

On the stability of solutions to differential operator equations with delayed arguments for perturbations bounded in the mean. L. Kh. Liberman. Sib. mat. zhur. 4 no. 1:138-144 Ja-F '63.

On the unicellularity of real Volterra operators. M. S. Brodskii. Dokl. AN SSSR 147 no. 5:1010-1012 D '62.

Scales of Orlicz spaces and interpolation theorems. I. A. B. Rutitskii. Dokl. AN SSSR 149 no. 1:32-35 Mr '63.

Some general results concerning the asymptotic value and the order of approximation of functions by a family of linear positive operators. First report. R. G. Mamedov. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk no. 4:3-16 '62.

Spaces with a negative norm. I. U. M. Berzanskii. Usp. mat. nauk 18 no. 1:63-86 Ja-F '63.

Spectral representations of mass and polarization operators at an arbitrary temperature. V. L. Bonch-Bruyevich. Dokl. AN SSSR 147 no. 5:1049-1052 D '62.

A sufficient condition for correctness [with summary in English]. E. A. Gorin. Vest. Mosk. un. Ser. I:Mat., mekh. no. 6:20-33 N-D '62.

Theory of boundary value problems for general elliptic systems. L. R. Volevich. Dokl. AN SSSR 148 no. 3: 480-482 Ja '63.

OPPERETTA see subdivision under Moscow

OPRICHNINA

The military class of the Zemstvo in the "oprishnina" period. S. S. Pecherov. Trudy MGIAI 16:463-473 '61.

OPTIC THALAMUS

Functional connections of the visual cortex with the external geniculate bodies in a rabbit. R. M. Meshcherskii and others. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:78-90 '62.

OPTICAL GLASS see Glass, Optical

OPTICAL INSTRUMENTS

Achievements of the optical instrument industry. Inform. blul. VDNKH no. 2:10-11 F '62.

Allowances for mutual adjustment of systems with displaced pupils in binocular devices. I. U. A. Utekhin. Izv. vys. ucheb. zav.; prib. 6 no. 1:127-133 '63.

Achromatic catadioptric system replacing a parabolic mirror. V. N. Churilovskii, K. I. Gol'dis. Izv. vys. ucheb. zav.; prib. 6 no. 1:118-126 '63.

Construction of Fabry-Perot standards with spherical mirrors. A. P. Kirichenko. Izv. tekhn. no. 1:16-20 Ja '63.

Levnikov, S. I., and L. K. Selezneva. [Spectral metal-vapor lamps. High-intensity hydrogen GV-3 Geissler tube] Spektral'nye parometallicheskie lampy. Vysokointensivnaya geisslerovskaya vodorodnaya trubka GV-3 [By] A. I. Bodretyanova i S. I. Levnikov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tem 37. No. P-58-90/3)

OPTICAL INSTRUMENTS—ABSTRACTS

[Precision mechanics, optics, and testing apparatus] Ref. zhur.; Toch. mekh., opt. i isp. app. nos. 1-2, 4 Ja-F, Ap '63.

OPTICAL MEASUREMENTS

Measuring general deformations of ships by the optical sighting method. E. N. Medvet'skii. Izv. vys. ucheb. zav.; geod. i aerof. no. 4:39-48 '62.

ORANGE, MASSACHUSETTS—PARACHUTING Championship in Orange. N. Gladkov. Kryl. red. 13 no. 12:18-19 D '62.

ORBITAL RENDEZVOUS (SPACE FLIGHT)

Orbital rendezvous. V. Ponomarev. Av. i kosm. 45 no. 2:27-32 F '63.

ORE DEPOSITS

(see also subdivision under Akhtala region, Armenia; Angren Valley; Azerbaijan; Daghestan; Karn-Mazar Mountains; Olekma Valley; Siberian Platform; Transbaikalia; Ural Mountains)

Obruchev, V. A. [Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR. Vol. 4. 1963. 391 p.

Ore skarns in the classification of endogenetic deposits. N. V. Kuklin. Mat. po geol. i pol. iskop. Urala no. 10: 80-98 '62.

Third All-Union Conference on the Formation and Distribution of Endogenetic Mineral Deposits. Sh. A. Azizbekov. Izv. AN SSSR. Ser. geol. 28 no. 1:126-128 Ja '63.

ORE DRESSING

(see also subdivision under Leningrad region, East Kazakhstan Province)

Automatic control of technological processes in foreign ore dressing plants (from foreign periodicals). E. L. Kritskii, M. N. Minster. Gor. zhur. no. 2:72-73 F '63.

Complete use of Ural iron ores. A. P. Kvasikov, A. S. Ostasev, A. A. Rozhnovskii. Gor. zhur. no. 2:54-58 F '63.

Concentration and separation of Ural iron ores. G. V. Zhukovskii. Gor. zhur. no. 2:58-61 F '63.

"Crushing, milling, and screening of minerals" by S. E. Androsov, V. V. Zverevich, and V. A. Porov. Reviewed by N. S. Sazon. Gor. zhur. no. 2:78-80 F '63.

Efficient method of obtaining high-grade iron concentrates in Krivoy Rog Mining and Ore Dressing Combine. F. N. Belash, O. V. Pugina. Gor. zhur. no. 2:61-63 F '63.

Luk'ianchikov, A. S. [Gas roasting of iron ores] Gazovyi obzhig zheleznykh rud. Kiev, Gostekhnizdat, USSR, 1962. 89 p.

Nature of the distribution and association of useful metals and copper in ore and their extraction. P. M. Solozhenkin. Dokl. AN Tadzh. SSR 3 no. 3:3-7 '60.

Results of a contest on the complete use of iron ores. I. P. Shufarenko. Gor. zhur. no. 2:75-76 F '63.

Treatment of titanium-zirconium sands of sea origin. A. A. Nikitin and others. TSvet. met. 36 no. 2:8-15 F '63.

ORE DRESSING—BY-PRODUCTS

Recovery of accessory minerals in finishing the dressing of intermediate products of tungsten. V. A. Skorov, I. U. M. Glebov. TSvet. met. 36 no. 2:15-18 F '63.

ORE DRESSING—EQUIPMENT AND SUPPLIES

Using noncontact elements in the automatic system of bunker charging. G. I. Shustov, E. M. Prasov. Avtom. i prib. no. 3:3-6 J1-S '62.

ORE DRESSING—SAFETY MEASURES

Dust and gas control at the screening level. S. P. Alekhtchev, E. G. Mokshinov. Bezop. truda v prom. 6 no. 11: 31 N '62.

ORE DRESSING—TECHNOLOGICAL INNOVATIONS

Olofinskii, N. F. [Electric ore-dressing methods] Elektricheskie metody obogashcheniya. Izd. 2., perer. i dop. Moskva, Gosgortekhnizdat, 1962. 571 p.

OREKHOVO-ZUYEVO—COTTON MANUFACTURE

Thoughts, suggestions and wishes. A. Ivanova, R. Vdovina, M. Voronova. Sov. profsoyluzi 10 no. 5: 18-19 Mr '63.

OREKHOVO-ZUYEVO—COTTON MANUFACTURE—HYGIENIC ASPECTS

Prevention and treatment of microtraumas of the fingers and wrist at the Orekhovo-Zuyevo Cotton Combine. P. S. Amarian. Sov. zdav. 22 no. 2:26-30 '63.

OREL—EMPLOYEES, RESIGNATION OF

Readers relate, advise and criticize. Sov. profsoyluzi 10 no. 2:18-19 Ja '63.

OREL—GUIDEBOOKS

Afonin, L., and Z. Sidel'nikova. [Memorable places of Orel] Pamiatnye mesta Orla. [Orel] Orlovskoe knizhnoe izd-vo, 1962. 62 p. illus.

OREL PROVINCE—BIOGRAPHY

[Land of Orel was their birthplace] Kh Rodina - Orlovskii kraj. [Orel] Orlovskoe knizhnoe izd-vo, 1962. 214 p.

OREL PROVINCE—OAK

Growth of planted oak stands in gullies; based on studies in the Moshkovskaya Forest Working Circle, Orel Province. V. G. Nechistak. Trudy Brian. tekhn. inst. 9:194-204 '60.

ORENBURG PROVINCE—ADMINISTRATIVE AND POLITICAL DIVISIONS

Orenburg (Province) Ispolnitel'nyi komitet. [Administrative and territorial divisions of Chkalov Province] Administrativno-territorial'noe delenie Chkalovskoi oblasti. [n. p.] Chkalovskoe izd-vo, 1949. 105 p. [PHOTOCOPY]

ORENBURG PROVINCE—AGRICULTURAL ADMINISTRATION

How much does a pod of grain cost? A. I. Akovenko. Sov. profsoyluzi 10 no. 3:5-7 F '63.

ORENBURG PROVINCE—FARM MECHANIZATION

Learn to operate a tractor if you live on a farm. I. U. Falatov. Sov. profsoyluzi 10 no. 4:10-11 F '63.

ORES

"Ore textures" by F. N. Shakhov. Reviewed by T. N. Shadun. Vest. AN SSSR 33 no. 2:133-134 F '63.

ORGANIC COMPOUNDS

Characteristic chemical properties of organic compounds containing a positive halogen. S. S. Novikov, V. V. Suvost'anova, A. A. Fainzil'berg. Usp. khim. 31 no. 12: 1417-1436 D '62.

New adsorbent of halogens in the simultaneous micro-determination of carbon, hydrogen, and halogens. A. A. Abramian, S. M. Atashian. Izv. AN Arm. SSR. Khim. nauki 15 no. 6:521-525 '62.

New type of hydrogen exchange in the photolysis of some organic compounds. M. G. Kuz'min, I. V. Berezin. Dokl. AN SSSR 148 no. 2:377-379 Ja '63.

Reaction of free radicals during electrolysis of organic compounds. A. P. Tomilov, M. Ia. Fashin. Usp. khim. 32 no. 1:60-92 Ja '63.

Simultaneous determination of germanium and halogens in organic compounds [with summary in English]. M. D. Vitulina, V. A. Klimova. Zhur. anal. khim. 17 no. 9:1105-1108 D '62.

ORGANOMETALLIC COMPOUNDS

Andrianov, K. A. [Polymers with inorganic main chains of molecules] Polimery s neorganicheskimi glavnyimi tsaplami molekul. Moskva, Izd-vo Akad. nauk SSSR, 1962. 320 p.

ORGANOMETALLIC COMPOUNDS—ELECTRIC PROPERTIES

Conductance of films of a polymeric complex of tetracyanoethylene with metals. L. I. Boguslavskii, L. S. Stibhan. Dokl. AN SSSR 147 no. 5:1114-1117 D '62.

ORIENTAL STUDIES

Brief news on Afro-Asian studies. Nar. Az. i Afr. no. 1: 252-254 '63.

A meeting on the history and economy of Afghanistan, Iran, and Turkey. A. P. Bazilonts. Nar. Az. i Afr. no. 1: 240-241 '63.

ORNITHOLOGICAL RESEARCH

Characteristics of the use of the linear transect method for censusing birds in forest areas. B. P. Dobrokhotoy. Ornitologiya no. 5:379-385 '62.

Experimental study of hatching in some birds. V. R. Dolnik. Ornitologiya no. 5:404-409 '62.

Use of conventional symbols in ornithology. E. S. Pishenko. Ornitologiya no. 5:375-378 '62.

ORNITHOLOGY see subdivision under Siberia, Eastern

ORSK—BRIDGES, CONCRETE

Bridge in Orsk. A. Kuznetsov. Zhil.-koin. khoz. 12 no. 9:29 S '62.

ORSK—RAILROADS—TOOLS AND IMPLEMENTS

Innovators of the Orsk Division. M. V. Abramenko. Put' i put. khoz. 7 no. 2:26 '63.

ORTHODOX EASTERN CHURCH

Christmas message from His Holiness Patriarch Aleksei. Zhur. Mosk. Patr. no. 12:3-4 D '62.

Decisions of the Holy Synod. Zhur. Mosk. Patr. no. 2: 14-16 F '63.

News from dioceses. Zhur. Mosk. Patr. no. 12:23-24 D '62.

News from the dioceses. Zhur. Mosk. Patr. no. 1:20 Ja '63.

News from the dioceses. Zhur. Mosk. Patr. no. 2:45-46 F '63.

Services of His Holiness Patriarch Aleksei. Zhur. Mosk. Patr. no. 1:27-28 Ja '63.

ORTHODOX EASTERN CHURCH—CLERGY

Decisions of the Holy Synod. Zhur. Mosk. Patr. no. 1:27 Ja '63.

Decisions of the Holy Synod. Zhur. Mosk. Patr. no. 12: 11-12 D '62.

Obituaries. Zhur. Mosk. Patr. no. 12:22-23 D '62.

ORTHODOX EASTERN CHURCH—PERIODICALS see subdivision under Bulgaria; Rumania

ORTHODOX EASTERN CHURCH—RELATIONS

(see also subdivision under Beirut)
Christmas greetings from His Holiness Patriarch Aleksei to the heads of Christian churches. Zhur. Mosk. Patr. no. 1:3 Ja '63.

ORTHODOX EASTERN CHURCH — RELATIONS (Continued)

- Christmas greetings from Pitirim, Metropolitan of Krutitsy and Kolomoia, to Christians in England. Zhur. Mosk. Patr. no. 1:51-52 Ja '63.
- Christmas greetings received by His Holiness Patriarch Aleksii. Zhur. Mosk. Patr. no. 2:4-13 F '63.
- Christmas message from Archbishop Nikodim, chairman of the Section of Foreign Relations at the Moscow Patriarchate, to Christian brethren in West Germany. Zhur. Mosk. Patr. no. 1:52 Ja '63.
- Conference with a delegation of the National Council of Churches of Christ in the U. S. A. S. Preobrazhenskii. Zhur. Mosk. Patr. no. 12:43-52 D '62.
- Congratulations received by His Holiness Patriarch Aleksii on the occasion of his 85th birthday. Zhur. Mosk. Patr. no. 1:4-5 Ja '63.
- Congratulations received by His Holiness Patriarch Aleksii on the occasion of his 85th birthday. Zhur. Mosk. Patr. no. 12:5-11 D '62.
- Letter of His Holiness Patriarch Aleksii to the editor of "Zhurnal Moskovskoi Patriarkhii." Zhur. Mosk. Patr. no. 12:11 D '62.
- Letter of thanks from Doctor M. Mitzenheim to Patriarch Aleksii. Zhur. Mosk. Patr. no. 12:13 D '62.
- Meeting with Christians from Holland. A. Buevskii. Zhur. Mosk. Patr. no. 2:57-61 F '63.
- Press conference of the delegation of committee workers of the World Council of Churches. Zhur. Mosk. Patr. no. 12:27-28 D '62.
- Relations of the Russian Orthodox Church with orthodox churches and churches of other confessions in 1962. N. Ivanov. Zhur. Mosk. Patr. no. 2:22-36 F '63.
- Residence of the Patriarchate of Antioch in Moscow. N. Badaui. Zhur. Mosk. Patr. no. 1:48-49 Ja '63.
- Sojourn in the U. S. S. R. of a church delegation from East Germany. I. Khilbarin. Zhur. Mosk. Patr. no. 12:29-32 D '62.
- Ten days with Protestants in France. G. Skobel. Zhur. Mosk. Patr. no. 2:35-45 F '63.
- Visitors from Geneva. M. Dobrynin. Zhur. Mosk. Patr. no. 12:24-26 D '62.

ORTHODOX EASTERN CHURCH—RELATIONS—CATHOLIC CHURCH

- Answers of Archbishop Nikodim, Head of the Department of External Church Relations of the Moscow Patriarchate, to questions of Greek journalist Spiros Alexiu. Zhur. Mosk. Patr. no. 2:21-22 F '63.
- Position of kind attention. A. Vedernikov. Zhur. Mosk. Patr. no. 2:52-54 F '63.

ORTHOGONAL FUNCTIONS see Functions, Orthogonal

OSCILLATIONS

- Asymptotic behavior of fast revolutions. N. N. Moiseev. Zhur. vych. mat. i mat. fiz. 3 no. 1:145-158 Ja-F '63.
- Measuring the frequency and damping of the oscillations of a light disc immersed in rotating He II [with summary in English]. E. L. Andronovskii, D. S. Tsakadze. Trudy Inst. fiz. AN Gruz. SSR 8:208-212 '62.
- Resonance phenomena in forced oscillations of a layer of incompressible conducting liquid in a transverse magnetic field. I. B. Chekmarev. Zhur. tekhn. fiz. 32 no. 12: 1477-1479 D '62.
- Response to letters written to the editor by A. D. Gladun, P. A. Perepelatnik, and the study group of the Department of the Theory of Oscillations at Moscow University. V. N. Lakovlev. Radiotekh. i elektron. 8 no. 2:357-358 F '63.
- Self-oscillation frequency in electrolytic systems. A. I. Gokhshtein. Dokl. AN SSSR 148 no. 1:136-139 Ja '63.
- Some types of calculations in the theory of nonlinear oscillations connected with the method of concomitant variations. V. M. Molotov. Zhur. vych. mat. i mat. fiz. 3 no. 1:3-53 Ja-F '63.

OSCILLATORS, CRYSTAL

- New holder for bar-shaped quartz resonators. L. D. Bryzhev. Izv. vuzov. 1:50-51 Ja '63.

OSCILLATORS, ELECTRIC

- Action of twoharmonic e. m. f. on a self-oscillator [with summary in English]. V. N. Detinko. Izv. vuzov. vych. zav. i radiofiz. 5 no. 8:1192-1195 '62.
- Experimental study of fluctuation effects in establishing oscillations in an oscillator with two steady states [with summary in English]. S. A. Akhmanov, V. P. Komolov. Izv. vuzov. vych. zav. i radiofiz. 5 no. 6:1175-1188 '62.
- Initial (linear) stage in the establishment of oscillations in a self-oscillator with delayed feedback. A. N. Nedashev. Radiotekhnika 18 no. 1:30-34 Ja '63.
- Testing heterodyne frequency meters and GSS-6 standard-signal generators. V. I. Volodarskii. Izv. vuzov. vych. zav. i radiofiz. 5 no. 1:47-48 Ja '63.

OSCILLATORS, ELECTRON-TUBE

- Concerning some operating modes of a single-tube self-oscillator with delay [with summary in English]. P. A. Perepelatnik. Izv. vuzov. vych. zav. i radiofiz. 5 no. 6: 1187-1191 '62.
- Fixed-frequency pulse generator. A. S. Pivovarov. Avtom. i prib. no. 3:53-55 Ji-S '62.

Kaporski, L. N. [Generators with electronic control for spectra excitation] Generatory s elektronnyim upravleniem, primenyaemye dlia vzbuzhdeniya spektrov; steno-gramma lektii. Leningrad, 1962. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Kontrol' kachestva produktov)

OSCILLATORS, TRANSISTOR

- Analysis of an L-band oscillator operating with a nonlinear transformer. B. S. Mel'nikov. Radiotekh. i elektron. 8 no. 2:231-240 F '63.
- Delayed pulse generator using a tunnel diode with wide-range variation of duration. B. N. Miasnikov. Radiotekhnika 18 no. 1:48-52 Ja '63.
- Design of a stable low-frequency transistor sine wave oscillator. V. A. Shkol'nyi. Avtom. kont. i izm. tekhn. no. 6:172-178 '62.
- Study of half-wave transformer multivibrator synchronization [with summary in English]. E. I. Usayshkin. Avtom. i telemekh. 24 no. 2:240-247 F '63.

OSCILLOGRAPH

- Concerning the start network of automatic N-11 oscillographs. M. A. Kogan, V. I. Pavlov. Elek. sta. 33 no. 12:80 D '62.

OSH PROVINCE—ANTIQUITIES

- Barzudin, I. D., and G. A. Brykina. [Archaeological monuments in the Baidin and Lailak Districts (South-western Kirgizistan)] Arkheologicheskie pamiatniki Baidina i Lailaka (Ugo-Zapadnaya Kirgizia). Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 127 p.

OSH PROVINCE—FOREST INSECTS

- Insects living in juniper fruits. O. I. Edomskii. Shor. ent. rab. no. 1:177-186 '62.

OSH PROVINCE—JUNIPER—DISEASES AND PESTS

- Insects living in juniper fruits. O. I. Edomskii. Shor. ent. rab. no. 1:177-186 '62.

OSHANIN, LEV VASIL'EVICH, 1884-1962

- L. V. Oshanin, obituary. B. V. Lunin. Sov. arkheol. 7 no. 1:332 '63.

OSSETIA, NORTH—BIRDS IN WINTER

- Geography of the winter bird population in the subalpine zone of the central Caucasus. N. M. Drozdov, R. I. Zlotin. Ornitologiya no. 6:193-207 '62.

OSSETIA, NORTH—MACHINE INDUSTRY—PRODUCTION STANDARDS

- Analysis of the data on fulfilling production norms. A. Zagladov. Sots. trud 8 no. 2:85-88 F '63.

OSSIFICATION

- Neurological symptoms in progressive muscular ossification [with summary in English]. K. D. Logachev. Vrach. delo no. 11:73-77 N '62.

OSTEOCHONDROSIS

- Two-sided partial dissecting osteochondrolysis (Koenig's disease). A. I. Muzafarov. Zdrav. Kazakh. 22 no. 11:66-67 '62.

OSTEOMYELITIS

- Gritti-Shimanovskii operation in osteomyelitis and severe injury of the shin. R. F. Solodnikov. Klin. khir. no. 12:64 D '62.
- Immediate and late results of operative treatment of patients suffering from hematogenic osteomyelitis of the long tubular bones. I. P. Pavlov. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:196-202 '61.

OSTEOSCLEROSIS

- Two cases of osteopetrolia. L. S. Nagapetian. Vop. rent. i onk. 6:171-173 '61.

OSTROVSKII, ALEKSANDR NIKOLAEVICH, 1823-1886

- A. N. Ostrovskii's "Snow White" and the folk fairy tale. Zh. V. Kulish. Rus. fol'k. 7:106-114 '62.
- Ostrovskii reads "Dark reign." E. Kholodov. Vop. lit. 6 no. 12:96-100 D '62.

OTLIVANOVA, LUDMILA MIKHAILOVNA

- L. M. Otlivanova. Vop. arkh. 7 no. 3:117 Ji-S '62.

OTORHINOLARYNGOLOGY

- Primary multiple malignant tumors with a lesion of the otorhinolaryngological organs [with summary in English]. D. E. Rozengauz, I. A. Levin. Zhur. ush., nos. i gorl. bol. 22 no. 4:65-67 Ji-Ag '62.

OTORHINOLARYNGOLOGY—CONGRESSES

- Conference of otolaryngologists of the Ukrainian S. S. R. for the exchange of advanced work experience. S. I. Mostovoi, V. Z. Ginzburg. Zhur. ush., nos. i gorl. bol. 22 no. 4:92-95 Ji-Ag '62.

OTOSCLEROSIS

- Bone conductivity in otosclerosis [with summary in English]. V. A. Gukovich. Zhur. ush., nos. i gorl. bol. 22 no. 4:18-24 Ji-Ag '62.
- Experimental model of otospongiosis [with summary in English]. V. P. Fomina. Zhur. ush., nos. i gorl. bol. 22 no. 4:13-18 Ji-Ag '62.
- Immediate results of a stapes mobilization operation in fractures of its crura in otosclerosis [with summary in English]. E. A. Evdoshchenko. Zhur. ush., nos. i gorl. bol. 22 no. 4:29-33 Ji-Ag '62.

Prospect of improving hearing by disconnecting the incus and stapes articulation [with summary in English]. I. L. Zaritskaia. Zhur. ush., nos. i gorl. bol. 22 no. 4: 23-29 Ji-Ag '62.

OTROZHIKA—RAILROADS—MAINTENANCE AND REPAIR

- Organization of mechanism operations in a division. N. D. Kasiuk, P. I. Gridnev, V. N. Zenkova. Put' i put. khoz. 7 no. 2:3-5 '63.

OUTER SPACE—EXPLORATION

- Outer space in the aggressive plans of imperialism. N. Shtyov. Mir, ekon. i mezhdunar. otn. no. 1:81-87 '63.

OUTPUT STANDARDS see Production standards

OVARIES—CANCER

- Evaluation of the role of telegamma therapy in complex treatment of malignant tumors of the ovaries. I. D. Nechaeva. Vop. rent. i onk. 6:130-148 '61.

OVARIES—SURGERY

- Method of ovariopexy. P. I. Movshovich. Sov. med. 25 no. 12:95-97 D '62.

OVECHKIN, NIKOLAI KIRILLOVICH, 1918-1961

- Nikolai Kirillovich Ovechkin; obituary. Sov. geol. 5 no. 12:145-146 D '62.

OVERTIME

- Trade-unions give secure protection against overtime! G. Otkhovskii. Okhr. truda i sots. strakh. 6 no. 2:22-23 F '63.

OVERVOLTAGE

- Hydrogen overvoltage on solid and liquid gallium in a sulfuric acid solution. K. Sabo, I. A. Bagotskaya. Dokl. AN SSSR 149 no. 1:130-141 Mr '63.

OXAMIC ACID

- Amides and hydrazides of oxalic acid. Part 2: Acyl derivatives of aryl hydrazides of N-substituted oxamic acids. P. A. Petelin, A. V. Storozheva. Zhur. khim. khim. 33 no. 2:400-405 F '63.

OXAMIDE

- Polycondensation at the gas-liquid interface. Part 3: Gas phase synthesis of polyoxamides in organic media [with summary in English]. L. B. Sokolov, A. S. Astakhova. Vysokom. soed. 5 no. 2:170-182 F '63.

OXETANE

- Polymerization and properties of polymers of bicyclic oxetanes. Part 1 [with summary in English]. S. Penczek, A. A. Vansheidt. Vysokom. soed. 5 no. 2:288-301 F '63.

- Thermomechanical properties of crystalline polymers. Part 2: Polymer of 3,3-bis (chloromethyl) oxazetane-butane [with summary in English]. I. A. Maltseva, K. I. Tsir. Vysokom. soed. 5 no. 2:252-267 F '63.

OXIDATION

- Aging of polyolefins. Thermal oxidative degradation of polyolefins. E. N. Matveeva and others. Plast. massy no. 1:2-7 '63.

- Conditions of the oxidation of ferrous sulfate and of the hydrolysis of the oxidation products in autoclave processes. I. F. Khudjakov, A. V. Klicheva, V. I. Smirnov. Dokl. AN SSSR 148 no. 3:654-657 Ja '63.

- Electrolytic oxidation of formic acid and its salts on a rotating platinum electrode. I. B. Vasil'ev, V. I. Bagotskii. Dokl. AN SSSR 148 no. 1:132-135 Ja '63.

- Formation of excited formaldehyde molecules by low temperature oxidation of acetaldehyde. V. F. Shuvalov and others. Dokl. AN SSSR 148 no. 2:360-360 Ja '63.

- Kinetics of propyl gallate autooxidation in aqueous solution. L. S. Vartanian, L. M. Sirigun, N. M. Emanuel'. Dokl. AN SSSR 148 no. 1:97-100 Ja '63.

- Mechanism of nickel oxidation. B. M. Vasilinskii, G. N. Kartmazov. Fiz. met. i metalloved. 15 no. 1:132-134 Ja '63.

- Oxidation of aluminum spray coating on porcelain and its imitation gold finishing. I. B. Bormashenko and others. Leh. prom. no. 3:34-40 Je-Ag '62.

- Oxidation of benzene and phenol by pernitrous acid and of silicic aldehyde by Fenton's reagent. M. A. Vysotskaia. Dokl. AN SSSR 148 no. 2:344-346 Ja '63.

- Oxidation of stored sulfur ores. G. I. Karavniko, M. V. Ivanov, B. I. Srebrodolskii. Sov. geol. 5 no. 12:133-139 D '62.

- Radiation-induced chemical oxidation of potassium ferrocyanide in aqueous solutions. A. V. Egnov, P. I. Dolin. Dokl. AN SSSR 148 no. 1:146-143 Ja '63.

- Simultaneous oxidation of residual oils with paraffin and unsaponifiables. V. I. Babae, I. E. Rusinov. Khim. i tekhn. topi. i masel 8 no. 1:24-27 Ja '63.

- Studying the biology of acetic acid bacteria in submerged cultivation. Part 2: Oxidation of ethyl alcohol by Acetobacter aceti [with summary in English]. M. S. Lottman-skaya, V. E. Plaka. Vest. LGU 18 no. 3:65-73 '63.

OXIDATION, ELECTROLYTIC

- Biological action of free radicals obtained from the anodic oxidation of tyrosine. N. A. Klipson, T. G. Mamedov. Radiobiologiya 3 no. 1:146-147 '63.

- Kinetics of the anodic oxidation of niobium. A. I. Shatalov, T. P. Bondareva. Dokl. AN SSSR 147 no. 5:1137-1140 D '62.

TION, PHYSIOLOGICAL

Non-reduction processes in the organisms of dairy
in acetoneemia and osteodystrophy. A. N. Bazhe-
M. N. Feklistov. Veterinarnia 37 no. 11:58-60 N

3

Separation of oxide inclusions from carbides
sulfides in carbon steel. A. B. Gurevich, L. M.
zhiner. Zav. lab. 20 no. 3:280-282 '63.

NE

Method of determining oxirane (epoxy) hydrogen. L. A.
ravina. Masl.-zhir. prom. 20 no. 1:38 Ja '63.

UM COMPOUNDS

Primary X-ray study of some triphenyloxonium
s. T. L. Khotimskaya, R. L. Avolian. Zhur. strukt.
r. 4 no. 1:113 Ja-F '63.

ETYLENE WELDING see Gas welding and cutting

N

Measuring the forces of molecular interaction from a
of oscillatory relaxation in oxygen. N. A.
ralov, S. A. Losev. Dokl. AN SSSR 140 no. 3:
554 Ja '63.

of impurities on the excitation of vibrations of
on molecules at high temperatures. N. A. Gonera-
Dokl. AN SSSR 140 no. 2:373-376 Ja '63.
tion of oxygen over palladium. I. U. A. Mazlov,
Rozenal', V. I. Veselovskii. Dokl. AN SSSR 140
1:152-155 Ja '63.

anism of the action of oleic acid oxidized by molecu-
oxygen in the selective flotation of titanium-zircon-
sands. I. N. Plakins, S. N. Dorokhina. Dokl. AN
140 no. 3:551-553 Ja '63.

tion of platinum dioxide by atmospheric oxygen.
Zastenker and others. Radiokhimiia 5 no. 1:141

N—INDUSTRIAL APPLICATIONS

Operating open-hearth furnace smelting with an in-
creased use of oxygen. L. D. Iupko and others. Stal'
no. 1:16-19 Ja '63.

erating the production of steel in open-hearth
ace plants. A. N. Morozov. Stal' 23 no. 2:117-121
13.

N—PHYSIOLOGICAL EFFECT

of increased oxygen concentration on the respira-
tion (with summary in English). N. M. Petrun'
n. delo no. 11:101-104 N '62.

of increased partial oxygen pressure on the
ological composition of the leucocytes in mice.
restav, A. G. Zhironkin, A. M. Shmeleva. Dokl.
SSSR 140 no. 1:207-209 Mr '63.

N—THERMAL PROPERTIES

ional relaxation in oxygen at high temperatures.
I. N. A. Generalov. Vest. Mosk. un. Ser. 3. Fiz.,
on. 17 no. 2:51-59 Mr-Apr '62.

N ISOTOPES

ic exchange of iodo- and iodo compounds with
18. I. P. Gragerov, A. F. Levit. Zhur. ob. khim.
no. 2:544 F '63.

N THERAPY

n therapy in Botkin's disease and the results of
observations. A. P. Linaeva, Shor. rab. Sverd.
inst. no. 32:103-110 '61.

N THERAPY—EQUIPMENT AND SUPPLIES
for the administration of oxygen. M. S. Pavliuk.
khir. no. 12:71 D '62.

MOGLOBIN

in the electron spectra of oxyhemoglobin solu-
s irradiated in vivo and in vitro. I. V. Vysachina.
biologiya 3 no. 1:147-149 '63.

of waxlike substances on the ozone cracking of
er tires. I. U. S. Zuev, V. D. Zaitseva. Kauch. i rez.
no. 2:22-25 F '63.

CARPINE

ids of the C₁₅ series. Part 11: Transformation of
hidinic acid to pachycarpine (d-sparteine). A. S.
kov and others. Zhur. ob. khim. 33 no. 2:689-693
13.

C OCEAN—AIR—POLLUTION

active contaminants in the air over the Indian and
ific Oceans in 1959-1960. V. N. Lavrenchik, G. N.
ev, V. M. Shubko. Atom. energ. 14 no. 3:309-313
'63.

C OCEAN—ATMOSPHERE

ation and evolution of a winter upper frontal zone
re boundary of Eurasia and the Pacific Ocean and
characteristics for forecasting. L. R. Son'kin.
ty GGO no. 133:84-93 '62.

ion of the winter synoptic processes in Eastern
and the adjacent part of the Pacific Ocean to the
ral circulation of the atmosphere. L. R. Son'kin.
ty GGO no. 133:73-83 '62.

PACIFIC OCEAN—FISHERIES—CONGRESSES

Seventh Plenum of the Commission on the Exploration of
Fisheries in the western part of the Pacific Ocean. G. V.
Nikol'skii, P. L. Pirozhnikov, E. V. Borutskii. Vop.
ikht. 3 no. 1:203-205 '63.

PACIFIC OCEAN—ISOPODA

Birshlein, I. A. [Deep-sea isopods in the northwestern
part of the Pacific Ocean] Glubokovodnye ravnogie
rakoobraznye (Crustacea, Isopoda) severo-zapadnoi
chasti Tikhogo okeana. Moskva, Izd-vo Akad. nauk
SSSR, 1963. 212 p. [With summary in English]

PACIFIC OCEAN—LEUCISCUS

Some data on the way of life of the rudd Leuciscus
brandti (Dybowski). I. V. Nikitinskaya. Vop. ikht. 2
no. 4:609-614 '62.

PACIFIC OCEAN—MARINE BIOLOGY

Studying the fauna and flora of Asiatic seas. E. F. Gur'-
ianova. Vest. AN SSSR 33 no. 2:105-106 F '63.

PACIFIC OCEAN—RUSSIAN EXPLORATION

Russian glory on the map of the world. G. Khaik.
Vokrug sveta no. 11:12 N '62.

PACIFIC OCEAN—SALMON

Production of sperm by the Pacific salmon Oncorhynchus.
A. I. Smirnov. Vop. ikht. 3 no. 1:84-98 '63.

PACKAGING

New packing materials. I. U. Nagrodskii, T. Ostrovskii.
Sov. torg. 35 no. 9:45-48 S '62.

PACKAGING MACHINERY

Attachment for tying hoops around box containers. N. G.
Bocharov, I. U. D. Bereznoi, K. I. A. Strogov. Khleb. i
kond. prom. 7 no. 1:39-40 Ja '63.

PACKING (MECHANICAL ENGINEERING)

Gland packing made of compressed wood. V. A. Ogarkov.
Mashinostroitel' no. 1:36 Ja '63.

PAIN

Effect of pain on the change in the concentration of radio-
active phosphorus in blood. Z. S. Cherkezian. Izv.
AN Arm. SSR. Biol. nauki 15 no. 8:51-56 Ag '62.
Meningeal pain syndrome in the diagnosis of supraten-
torial arachnoidendotelomas. V. A. Tumskoi, N. P.
Fornina. Probl. sov. neirokhir. 4:278-282 '62.

PAINT, LUMINOUS

Editor's mail. M. I. Bhdov, V. Z. Kresin. Fiz. v shkole
22 no. 6:65-87 N-D '62.

PAINT INDUSTRY

(see also subdivision under Dnepropetrovsk;
Leningrad)

Development of the production of lacquer condensation
resins as an important objective of the paint and var-
nish industry. B. R. Mitrenskii. Lakokras. mat. i ikh
prim. no. 1:1-2 '63.

PAINT MACHINERY

New paint equipment (survey of foreign literature). Z. B.
Vetukhlovskii, G. N. Dazhzhio. Lakokras. mat. i ikh
prim. no. 1:77-80 '63.

PAINT MATERIALS

All-Union Scientific and Technical Conference on the
present state and prospects for the development of
lacquer condensation resins. A. A. Belovitskii, D. I. A.
Gershtman. Lakokras. mat. i ikh prim. no. 1:87 '63.
Aluminum-containing compounds for the paint and var-
nish industry (survey of the literature). P. M. Bogaty-
rev, M. S. Chel'tsova, A. G. Shabanova. Lakokras. mat.
i ikh prim. no. 1:81-84 '63.

Answers to the questions on the application of paint and
varnish materials. Lakokras. mat. i ikh prim. no. 1:
73 '63.

Bituminous and petroleum shale-formaldehyde resin-
based emulsion paints. A. S. Korzhuev, A. E. Zarubit-
skii. Lakokras. mat. i ikh prim. no. 1:70-71 '63.

Effect of the method of application of paint and varnish
coatings on their protective properties. M. Svoboda,
B. Knappek, K. Zatichek. Lakokras. mat. i ikh prim.
no. 1:44-45 '63.

Internal stresses developed in the process of formation
and aging of nitrocellulose coatings. N. L. Maslenn-
kova and others. Lakokras. mat. i ikh prim. no. 1:15-
18 '63.

Paint and varnish coating used for the protection of water-
purifying fillers from corrosion. N. K. Zhuchkova and
others. Lakokras. mat. i ikh prim. no. 1:42-43 '63.

"Paint and varnish coatings" by Z. S. Didinkov. Reviewed
by G. F. Stochik. Lakokras. mat. i ikh prim. no. 1:64-
88 '63.

Possibility of using bitumen as a solution for the produc-
tion of black lacquers. M. D. Bodnia, M. A. Osovetskii.
Lakokras. mat. i ikh prim. no. 1:71-72 '63.

Use of paint and varnish materials in the preparation of
weatherproof coatings. T. A. Pichuk. Lakokras. mat.
i ikh prim. no. 1:38-42 '63.

PAINT MATERIALS—TESTING

Investigation of the aging of paint and varnish coatings
by measuring their electric resistance. G. I. Kutianin.
Lakokras. mat. i ikh prim. no. 1:52-54 '63.

PAINTERS, WHITE RUSSIAN

Favored subjects of an artist. P. Herasimovich. Rab.
i sial. 30 no. 1:15 Ja '63.

PAINTING

How to understand a painting. E. A. Polshchuk. Nach.
shkola 31 no. 1:70-77 Ja '63.

The image in painting and decorativeness. I. Vaeikova.
Iskusstvo 25 no. 11:16-25 '62.

Studying painting in the third grade. T. Goncharova.
Shkola-int. no. 6:62-65 N-D '62.

Vladych, L. V. [Painting and its genres] Zhyvopys ta
ichozhannyy. 2., dopovnene vyd. Kyiv, Derzh. vyd-vo
obrazotvorchoho mystetstva i muzychnoi lit-ry URSR,
1962. 47 p. (Biblotekha z pytan' mystetstva; Obrazo-
tvorche mystetstvo)

PAINTING—TECHNIQUE

Afshar, Sadiq. [Treatise on painting. Translated from
the Persian] Gamun os-sovar (Traktat o zhivopisi).
Vvedenie, perevod, kommentarii i primechania A. I. U.
Kazieva. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi
SSR, 1963. 99, 60 p. [In Russian and Persian]

PAINTING, INDUSTRIAL

Efficient methods for finishing work. A. Shepelev. Sel'.
stroit. 15 no. 3:28-30 Mr '60.

Mechanized painting of tubular tanks. S. I. Borisenko,
R. M. Akchurina. Lakokras. mat. i ikh prim. no. 1:67-
69 '63.

Potentials for lowering labor input on finishing opera-
tions. L. I. Usin, Z. Timmerman. Na stroit. Ros. 3
no. 3:10-11 Mr '62.

Seminar on the problems of the preparation of the sur-
face of articles for galvanic and paint and varnish
coatings. G. N. Darazhio. Lakokras. mat. i ikh prim.
no. 1:80 '63.

PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES

Automatic line for painting and drying wheels. L. M.
Levin. Mashinostroitel' no. 1:10-13 Ja '63.

Automatic unit for painting the facades of buildings.
V. Voevodin. Stroitel' 9 no. 2:insert:4 p. 26 F '63.

PAINTINGS see subdivision under Leningrad

PAINTINGS—CONSERVATION AND RESTORATION—

BIBLIOGRAPHY see Bibliography—Paintings—
Conservation and restoration

PAINTINGS, FRENCH

[French paintings in museums of the U. S. S. R. (an album)]
Frantsuzskaya zhivopis' v muzeiakh SSSR; [album].
Moskva, Gos. izd-vo izobraz. iskus., 1962. 14 p.
illus.

PAINTINGS, UKRAINIAN

Afanas'lov, V. A. [Soviet Ukrainian painting] Ukrain-
s'kyi radians'kyi zhyvopys. Kyiv, Vyd-vo Akad. nauk
URS, 1962. 61 p. (Vcheni URSR - universitetna
kul'tura)

PAISI KHILENDARSKII, HIEROMONK, 1720-1798

A great teacher. Archimandrite Stefn. Zhur. Mosk.
Patr. no. 12:53-57 D '62.

PAKHMATOVA, ALEKSANDRA NIKOLAEVNA

At the sources of a song. Elena Tarasova. Rabotnitsa
40 no. 3:23-24 Mr '62.

PAKISTAN—FOREIGN ECONOMIC RELATIONS

Pakistan and the "Common Market." N. Kashtanov.
Az. i Afr. seg. no. 2:10-17 F '63.

PAKISTAN—HISTORY

"History of Pakistan" by I. U. V. Gankovskii, L. R. Gordon-
Polonskain. Reviewed by S. A. Kuz'min, V. I. Pavlov.
Nar. Az. i Afr. no. 1:205-208 '63.

PAKISTAN—POLITICS AND GOVERNMENT

Pakistan: a year after... I. U. Shtykanov. Az. i Afr. seg.
no. 3:14-16 Mr '63.

PAKISTAN—RELATIONS (MILITARY) WITH FOREIGN COUNTRIES

Pakistan: a year after... I. U. Shtykanov. Az. i Afr. seg.
no. 3:14-16 Mr '63.

PALEKH—ART GALLERIES AND MUSEUMS

Kolov, V. [Palekh art; a guide] Iskustvo Palekhia;
putevoditel'. Moskva, Izd-vo lit-ry na inostr.
azykakh, [n. d.] 135 p. plates. [Parallel texts in
Russian and German]

PALEOBOTANY, STRATIGRAPHIC see subdivision under Arkagala Valley; Bashkirtia

PALEOCLIMATOLOGY

(see also subdivision under Pamirs)

Influence of the Quaternary climatic rhythms upon the
development of the erosional pattern. A. A. Asceev.
Izv. AN SSSR. Ser. geog. no. 1:8-14 Ja-F '63.

PALEOGEOGRAPHY see subdivision under Ural Mountains

- PALEONTOLOGY**
Chondrites (Fucoids). L. D. Miroshnikov. Vest. LGU 17 no. 24:48-56 '62.
On "mixed" fauna in steppe and forest zones. S. V. Kirikov. Izv. AN SSSR, Ser. geog. no. 1:29-35 Ja-F '63.
- PALEONTOLOGY—CONGRESSES**
Eighth Session of the All-Union Paleontological Society. V. S. Kravtchevskiy. Geol. zhur. 22 no. 6:91-92 '62.
- PALEONTOLOGY, STRATIGRAPHIC**
[see also subdivision under Ural Mountains]
[Fundamentals of paleontology] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piat-nadtsati tomakh. Glav. red. I. U. A. Orlov. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 2. [Sponges, Archaeocyathidae, Coelenterate, worms] Gubki, arkhotsiaty, kishchno-polochnye, chervi. Otv. red. toma B. S. Sokolov. 1962, 484 p.
Lower boundary of the Cambrian. V. V. Missarzhevskii, A. I. Usatenko, T. V. Zamorskaya. Zav. lab. 28 no. 2:60-72 F '63.
- PALESTINE—DESCRIPTION AND TRAVEL**
Murovych, Volodymyr. [Across the Holy Land; impressions of a trip and a description of the holy places] Po Sviatyi Zemli; vrazhennia z podorozhi i opys sviatyykh misti. [Munich] Ukrains'ke katolyts'ke vyd-vo, 1959. 114 p.
(MID)
- PALLADIUM**
"Vysootskite," a new sulfide of palladium and nickel. A. D. Genkin, O. E. Zviagintsev. Zap. Vses. min. ob-va 91 no. 6:716-725 '62.
- PALLADIUM—ANALYSIS**
Amperometric titration of palladium by thionitride. I. U. Usatenko, T. V. Zamorskaya. Zav. lab. 28 no. 3:291-293 '63.
- PALLADIUM COMPOUNDS**
Reactions of thionitride with some complex compounds of platinum and palladium. A. V. Babasova, G. V. Derbisher. Zhur. neorg. khim. 7 no. 12:2689-2692 D '62.
- PALYNOLOGY** see subdivision under Elbrus, Mount; Sayfun Valley
- PAMIRS—FINCHES**
Nesting of the red finch *Pyrrhospiza punicica humil* Sharpe in the Pamirs. I. A. Abdusalimov. Ornitologiya no. 5:249-250 '62.
- PAMIRS—GEOLOGY, STRUCTURAL**
Barkhatov, B. P., and N. N. Barkhatova. [Development of concepts of the tectonics of the Pamirs] Razvitiye vzgladov na tektoniku Pamira. Moskva, Izd-vo Akad. nauk SSSR, 1962. 51 p. (Akademiya nauk SSSR, Geologicheskii muzei. Trudy, no. 13)
- PAMIRS—JOURNALISM**
The Pamirs, a high district. M. Khaldarshoev. Sov. pech. no. 8:21 Ag '62.
- PAMIRS—PALEOCLIMATOLOGY**
Variations in the natural conditions of the Pamirs in the Holocene. V. A. Ranov, L. F. Sidorov. Dokl. AN Tadzh. SSR 3 no. 3:21-24 '60.
- PANARIS** see Felon (Disease)
- PANCREAS—SECRETIONS**
Changes in the excretory function of the pancreas in extensive resections of the jejunum. Report No. 1 [in Georgian with summary in Russian]. G. Ia. Odishvili, D. N. Buachidze, L. Sh. Teydoradze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:193-198 '62.
Exocrine functional changes in the pancreatic gland during hibernation in an experiment [in Georgian with summary in Russian]. D. N. Buachidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:199-205 '62.
External secretion from the pancreas following the experimental resection of the cardinal portion of the stomach preserving the right vagus nerve. N. S. Vusik. Klin. khir. no. 12:57-60 D '62.
- PANCREAS—SURGERY**
Effect of the removal of a portion of the pancreatic gland on the second phase of gastric secretion. I. U. N. Leporinskii. Fiziol. zhur. 48 no. 12:1471-1478 D '62.
- PANCREATIC CYSTS**
Clinical and roentgenological diagnosis of pancreatic cysts. E. S. Lepskaia, T. A. Makhotina. Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:356-364 '61.
- PANIC**
What can cause an army to panic and how it can be prevented. I. Kolesnichenko. Voen. ist. zhur. vol. 5 no. 1: 46-59 Ja '63.
- PANORAMAS** see subdivision under Moscow
- PAPER**
Discussion of the problems in the quality improvement of printing paper. Bum. prom. 38 no. 2:13-14 F '63.
- Film formation during the conversion of the paper stock parchment. F. I. Korchemkin, M. I. Vitovtova. Bum. prom. 38 no. 1:17-18 Ja '63.
Need for an improvement of printing paper. Z. I. Gruzdeva. Bum. prom. 38 no. 2:8-10 F '63.
New developments in the manufacture of paper. S. N. Ivanov. [Trudy] NTO bum. i der. prom. no. 8:123-143 '59.
- PAPER—DRYING**
Electric contact method of drying thin fibrous materials. V. V. Krasnikov, V. A. Danilov. Trudy MTIPP 15:87-93 '60.
- PAPER—TESTING**
Determining the dust emission properties of printing paper. G. E. Finkel'shtein, V. A. Ivanova. Bum. prom. 38 no. 2:18-21 F '63.
- PAPER CHROMATOGRAPHY**
Determination of scandium in coal ashes after separation by paper chromatography. B. Ia. Kaplan, I. V. Ol'shevskaya. Zav. lab. 29 no. 1:26-27 '63.
Using the paper chromatography method for determining organic nonvolatile acids in the production of citric acid. L. O. Raminia. Khleb. i kond. prom. 7 no. 1: 13-18 Ja '63.
- PAPER ELECTROPHORESIS**
Dynamics of the electrophoretic blood protein formula during treatment with royal jelly preparation. A. A. Nizov, V. P. Lupachev. Inform. biol. o mat. moloch. no. 3:80-89 '62.
Study of the protein content of the blood serum of rabbits by paper electrophoresis during their immunization with dysentery antigen vaccines [with summary in English]. O. A. Vasil'eva. Trudy Tomsk. univ. 11:261-265 '60.
Studying soybean seed globulins by paper electrophoresis. I. A. Vaintraub. Trudy po khim. prirod. soed. no. 3: 193-198 '60.
- PAPER INDUSTRY**
First and foremost in production is quality and reliability. Bum. prom. 38 no. 2:1-2 F '63.
This is the real struggle for quality indices. V. T. Likhonskii. Bum. prom. 38 no. 2:11-12 F '63.
- PAPER INDUSTRY—EQUIPMENT AND SUPPLIES**
Improved system for the processing of waste paper. P. L. Aydev. Bum. prom. 38 no. 2:27 F '63.
Iushkov, N. I., V. G. Naumov, and P. B. Turovskii. [Assembly and installation of technological equipment in enterprises of the woodpulp and paper industry] Montazh tekhnologicheskogo oborudovaniia predpriatii tselulozno-bumashnoi promyshlennosti. Moskva, Goslesbizmizdat, 1962. 319 p.
- PAPERBOARD**
Belt conveyor dryers for paperboard. I. V. Bogdanov, L. M. Evzlin. Bum. prom. 38 no. 1:27-28 Ja '63.
- PAPERBOARD—TESTING**
Effect of paperboard shrinkage on its strength. Zh. V. Shemet. Bum. prom. 38 no. 2:21-22 F '63.
New methods of strength and compression testing of container paperboard. A. N. Zaitsev. Bum. prom. 38 no. 2:22-23 F '63.
- PAPERMAKING MACHINERY**
Miscellaneous in the design of drying cylinders for papermaking machinery. N. I. Zhuravlev. Bum. prom. 38 no. 2:32-33 F '63.
Modern systems for the molding of paper and paperboard. B. F. Malinushkin, I. M. Masharskii. Bum. prom. 38 no. 1:15-16 Ja '63.
New developments in the manufacture of paper. S. N. Ivanov. [Trudy] NTO bum. i der. prom. no. 8:123-143 '59.
Operational performance of high-speed papermaking machines. A. M. Lubavin, B. Z. Zaitsev. Bum. prom. 38 no. 1:10-11 Ja '63.
- PAPERMAKING MACHINERY—ABSTRACTS**
[Technology and equipment of the papermaking and printing industry] Ref. zhur. i tekhn. i obor. bumagodel. i poligr. proizv. nos. 1-2 Ja-F '63.
- PARACHUTING**
[see also subdivision under Czechoslovakia; Germany, East; Orange, Massachusetts]
Achievements of the audacious. A. Vinokurov. Kryl. rod. 13 no. 7:6-7 Ji '62.
Efficient training of parachutists. P. Storchenko. Kryl. rod. 13 no. 7:8-10 Ji '62.
Hard work leads to mastery. Kryl. rod. 13 no. 7: 16b-16c Ji '62.
- PARAFFINS**
Simultaneous oxidation of residual oils with paraffin and unsaponifiables. V. I. Babasov, I. E. Rustinov. Khim. i tekhn. topl. i masel 8 no. 1:24-27 Ja '63.
- PARAGANGLIA** see Chromaffin system
- PARALYSIS**
Functional characteristics of different stages of the course of a motor conditioned reaction in patients suffering from hemipareses of vascular origin. N. V. Naidol'. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7: 15-21 '62.
- PARALYSIS, FACIAL**
Data on the virological characteristics of isolated facial pareses. O. A. Rodshtein, R. M. Pratushevich. Trudy Len. inst. epid. i mikrobiol. 19:141-149 '59.
- PARAMAGNETIC RESONANCE AND RELAXATION**
Electron paramagnetic resonance spectra of wheat embryos irradiated and treated with a monomer. I. U. P. Kozlov, G. B. Sergeev. Radiobiologiya 3 no. 1:130-131 '63.
Overhauser effect in a low magnetic field [with summary in English]. L. L. Bulshvili, G. R. Khutsishvili. Trudy Inst. fiz. AN Gruz. SSR 8:203-207 '62.
Sensibilization of the photochemical reaction of alcohol dehydrogenation at 77° K studied by means of electron paramagnetic resonance. V. E. Kholmogorov, E. V. Baganov, A. N. Terenin. Dokl. AN SSSR 149 no. 1:142-145 Mr '63.
- PARAMAGNETISM**
Widening of resonance lines by the quadrupole interaction. N. G. Koloskova. Fiz. mat. i metalloved. 15 no. 1: 137-139 Ja '63.
- PARAMECIUM**
Permanent cultures of infusorians. V. V. Alpatov. Priroda 52 no. 2:103-104 '63.
- PARAMETRIC AMPLIFIERS**
Calculation of the input wave guide of a parametric amplifier with two discontinuities. V. N. Vasil'ev. Radiotekh. i elektron. 8 no. 2:347-348 F '63.
Transitional characteristics of resonant parametric amplifiers and converters. A. P. Bekasov, O. G. Smolnov. Radiotekh. i elektron. 8 no. 2:241-247 F '63.
- PARANOLIA**
Acute alcoholic paranoids. L. V. Kaveshnikova. Prak. sudobnopsikh. ekspert. no. 6:46-51 '62.
Wrong diagnosis of alcoholic paranoia. N. I. Mogilina. Prak. sudobnopsikh. ekspert. no. 4:58-64 '61.
- PARASITES—BITTERLING** see subdivision under Zeya River
- PARASITES—FISHES**
Bykhovskaya-Pavlovskaya, I. E., and others. [Guide to the parasites of freshwater fishes in the U. S. S. R.] Opreddelitel' parazitov presnovodnykh ryb SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1962. 776 p. (Opreddelitel' po faune SSSR, no. 80)
- PARASITES—FUR-BEARING ANIMALS** see subdivision under Tatar A, S, S, R
- PARASITES—DUCKS** see subdivision under Kamchatka
- PARASITES—GOATS**
Methods of clinical imaginal diagnosis of Moniezia, Thysanotia and Avitellina infections of sheep and goats under field conditions. I. A. D. Nikol'skii. Trudy Uz. nauch. -issl. inst. vet. 14:161-164 '61.
Simplified method of microscopic diagnosis of Moniezia infection in sheep and goats. I. A. D. Nikol'skii. Trudy Uz. nauch. -issl. inst. vet. 14:165-168 '61.
- PARASITES—GULLS** see subdivision under Rybinsk Reservoir
- PARASITES—JAEGER (BIRDS)** see subdivision under Kamchatka
- PARASITES—POULTRY**
Trichomonas in chickens and ducks. O. I. Bondarenko. Trudy VIEV 26:157-162 '62.
- PARASITES—SHEEP**
[see also subdivision under Armenia; Uzbekistan]
Invasion of sheep by Bunostomum trigonocephalum in the barn. F. S. Sarymsakov, I. A. D. Nikol'skii. Trudy Uz. nauch. -issl. inst. vet. 14:169-175 '61.
Methods of clinical imaginal diagnosis of Moniezia, Thysanotia and Avitellina infections of sheep and goats under field conditions. I. A. D. Nikol'skii. Trudy Uz. nauch. -issl. inst. vet. 14:161-164 '61.
Simplified method of microscopic diagnosis of Moniezia infection in sheep and goats. I. A. D. Nikol'skii. Trudy Uz. nauch. -issl. inst. vet. 14:165-168 '61.
- PARASITES—SWINE**
Biometrical study of Trichomonas in swine and Trichomonas foetus (Riedmueller, 1928). B. A. Timofeev. Trudy VIEV 26:148-156 '62.
Sanitary measures against helminthiasis in swine. I. V. Orlov, B. S. Moskalov. Veterinariia 37 no. 11:31-35 N '60.
- PARASITES—TERNS** see subdivision under Rybinsk Reservoir
- PARASITOLOGY**
"General problems of parasitology and zoology" by E. N. Pavlovskii. Reviewed by I. G. Galuzo. Zdrav. Kazakh. 22 no. 11:76-77 '62.
- PARATHION—TOXICOLOGY**
Thiophos poisoning. O. B. Mazikova. Sud. -med. ekspert. 8 no. 1:3-8 Ja-Mr '63.
- PARATUBERCULOSIS OF CATTLE** see John's disease

PARATYPHOID FEVER

(see also subdivision under Uzbekistan)

"Antibiotic therapy of typhoid and paratyphoid fever with levomycetin and synthomycin" by S. E. Shapiro, A. K. Piotrovich. Reviewed by I. P. Galushkin. Sov. med. 26 no. 12:124-125 D '62.

Clinical aspect of the atypical forms of paratyphoids A and B. A. I. Koriev. Sbor. rab. Sverd. med. inst. no. 32:155-157 '61.

Cobalt fluctuations in the blood serum in typhoid and paratyphoid diseases. I. G. Mukhamedova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:121-126 '62.

Copper metabolism in the organism of typhoid and paratyphoid patients. R. D. Tsoi. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:108-115 '62.

Fluctuations of the iron level in the blood serum of typhoid and paratyphoid patients: a preliminary report. I. Tokhtayeva. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:127-133 '62.

Interrelation between copper fluctuations and the dynamics of protein fractions in the blood of typhoid and paratyphoid patients. R. D. Tsoi. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:116-120 '62.

Tetracycline preparations as therapy and prophylaxis for paratyphoid in baby pigs. I. S. Parfenov. Trudy VIEV 26:250-264 '62.

PARENTS' AND TEACHERS' ASSOCIATIONS see subdivision under Chikmekt

PARESIS see Paralysis

PARIS—COMMUNE, 1871

"The Paris Commune of 1871." Reviewed by G. P. Morozov. Vop. ist. 38 no. 2:153-158 F '63.

"The Paris Commune of 1871." Reviewed by K. L. Seleznev. Vop. ist. KPSS 7 no. 2:129-134 F '63.

PARIS—COMMUNE, 1871—BIBLIOGRAPHY see Bibliography—Paris—Commune, 1871

PARKS

New parks designed by students. L. Lunta. Kul't. pros. rab. 23 no. 9:46-47 S '62.

Boichev, Lilubon IV. [Parks and landscaping. Translated from the Bulgarian] Parkovoe i landsshaftnoe iskusstvo. Sofia, Zemizdat, 1962. 385 p. [With summaries in German, English, and French] (DNAL)

PAROTITIS see Mumps

PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

PARTICLE ACCELERATORS

Feasibility of lowering the injection energy in superhigh-energy accelerators. A. A. Vasil'ev. Dokl. AN SSSR 148 no. 3:577-580 Ja '63.

A 15 Mev. linear electron accelerator. T. N. Filimonova, A. M. Shmygov. Zhur. tekhn. fiz. 32 no. 12:1439-1445 D '62.

Selecting the frequency of an accelerating field in high-energy electron cyclic accelerators. A. N. Didenko, E. S. Kovalenko. Zhur. tekhn. fiz. 33 no. 1:26-33 Ja '63. Self-servicing of particles. E. Moroz, M. Igorev. Znan. -aika 37 no. 12:20-21 D '62.

[680 Mev. electron accelerator] Uskoritel' elektronov na 680 Mev; sbornik statei. Moskva, Gosatomizdat, 1962. 80 p.

PARTICLE SIZE DETERMINATION

Determining the distribution of aerosols by size, using the diffusion method [with summary in English]. N. A. Fuks, I. B. Stechkina, V. A. Starosel'skii. Inzh. -fiz. zhur. 5 no. 12:100-103 D '62.

PARTICLE TRACK PHOTOGRAPHY see Photography, Particle track

PARTICLES (NUCLEAR PHYSICS)

Acceleration of charged particles by periodically varying magnetic fields. V. A. Ankudinov, V. M. Kell'man, L. N. Sysoeva. Zhur. tekhn. fiz. 33 no. 1:19-27 Ja '63. Analysis of statistical methods for particle lifetime determination [with summary in English]. G. E. Chikovani. Trudy Inst. fiz. AN Gruz. SSR 8:132-150 '62.

Development of the physical conception of elementary objects in the light of the theory of symmetry. I. V. Sachkov. Vop. filos. 17 no. 2:105-109 '63.

Topological structure of space and the mass spectrum of elementary particles. I. G. Ivanter. Dokl. AN SSSR 148 no. 2:303-306 Ja '63.

PASCAL, BLAISE, 1623-1662

Blaise Pascal; on the third centennial of his death. S. Plotkin. Fiz. v shkole 22 no. 6:17-19 N-D '62.

PASSERIFORMES see subdivision under Kustanny Province

PASSIVATION

Solution and passivation of titanium in sulfuric acid on polarization by alternating current. I. U. N. Mikhailovskii. Dokl. AN SSSR 148 no. 3:617-619 Ja '63.

PASTORAL MEDICINE see subdivision under United States

PASTORS see Priests

PASTURES AND MEADOWS

(see also subdivision under Azerbaijan; Bryansk Province; Caucasus, Northern; Karelia; Omsk Province; Virgin Territory)

Maintain a high productivity of seeded pastures in the forest-meadow zone. A. A. Zotov, E. A. Ivanova. Zhivotnovodstvo 23 no. 5:50-52 My '61.

PASTURES AND MEADOWS—FERTILIZERS AND MANURES

(see also subdivision under Russia, Northwestern)

Fertilizing cultivated pastures on turf- Podzolic soils. V. P. Mel'nichuk. Zhivotnovodstvo 23 no. 8:56-60 Ag '61.

PATENT LAWS AND LEGISLATION

"Laws on inventions and efficiency proposals" by I. E. F. Mel'nyk. Reviewed by I. E. Torkanovskiy. Rad. pravo no. 5:137-139 S-O '62.

"Patent law of the countries of the world," edited by M. Boguslavskii. Revidied by M. L'vov. Vnesh. torg. 42 no. 1:40-41 '63.

We should amend "Regulations on payments for inventions, scientific discoveries, and efficiency suggestions." E. Fleishits, S. Kanivets, E. Torkanovskii. Sov. iust. no. 5:10-11 Mr '63.

PATENT LICENSES

"Lixsenzintorg," a new foreign trade corporation. V. Salimovskii, M. Goroditskii. Vnesh. torg. 42 no. 1:29-30 '63.

PATENTS

[Bulletin on inventions] Blul. izobr. 39 no. 24 D '62.

PATHOGENIC FUNGI see Fungi, Pathogenic

PATHOGENIC PROTOZOA see Protozoa, Pathogenic

PATHOLOGICAL ANATOMY see Anatomy, Pathological

PATHOLOGICAL HISTOLOGY see Histology, Pathological

PATHOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur. : Ob. vop. pat. Onk. nos. 1-4, 6 Ja-Mr '63.

PATRIOTISM

Love your native land, hate its enemies. M. Makeyev. Komm. Vooruzh. Sil 3 no. 23:40-44 D '62.

PAVEMENTS

Egorov, S. V., A. V. Borshteln, and E. M. Nashivanko. [Pavements made with emulsions and a cation-active additive] Pokrytiya s primeneniem emul'sii i kationo-aktivnoi dobavki. Moskva, Avtostransizdat, 1962. 25 p. (Obmen tekhnicheskimi opytom dorozhnykh khoz'iaistv)

Paving around apartment houses. I. Lan'ko. Zhil. stroit. no. 1:14-15 '63.

PAVEMENTS—TESTING

Evaluating the carrying capacity of pavements by the measurement of their flexures. T. Boromitsa, L. Gaspar. Avi. dor. 25 no. 6:28-30 Ag '62.

PAVEMENTS, BITUMINOUS CONCRETE see subdivision under Moscow

PAVEMENTS, CONCRETE

Akademiya kommunalnogo khoz'iaistva. Ural'skii nauchno-issledovatel'skii institut. [Album of designs of reinforced-concrete slabs for precast pavements of city roads, sidewalks and streetcar tracks] Al'bom konstruktivnykh zhelezobetonnykh plit dlia sbornykh pokrytiy gorodskikh dorog, trauarov i putei tramvaya. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 34 p.

Device for curing freshly laid concrete. V. Mater. Avi. dor. 25 no. 8:26 Ag '62.

Laying cement-concrete pavement at low temperatures. P. I. Irinevich. Avi. dor. 25 no. 12:18-19 D '62.

Skrupov, N. I. [Precast reinforced-concrete pavement on logging roads] Sbornoe zhelezobetonnoe pokrytie na lesovoznykh dorogakh. Moskva, Goslesbumizdat, 1962. 132 p.

PAVEMENTS, CONCRETE—MAINTENANCE AND REPAIR

Methods for cementing fresh concrete with the old. E. R. Pinus. Avi. dor. 25 no. 12:22-23 D '62.

PAVLODAR—METALWORK

We value our brigade's honor. I. Kukhtin. Nar. khoz. Kazakh. 20 no. 11:87-89 N '62.

PAVLODAR—SALESMEN AND SALESMANSHIP

Give more attention to the training of trade workers. K. Tasbulatov. Sov. torg. 36 no. 1:40-50 Ja '63.

PAVLODAR—TELEVISION IN CONSTRUCTION

Television on construction projects. V. Tripol'skii. Nar. khoz. Kazakh. 20 no. 11:58-59 N '62.

PAVLODAR PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

All problems are solved collectively. D. Berger. Part. zhizn' Kazakh. 33 no. 2:58-62 F '63.

PAVLODAR PROVINCE—ARCHIVES

Archives of Pavlodar Province. I. U. A. Iukhanov. Ist. arkh. 8 no. 6:163-164 N-D '62.

PAVLODAR PROVINCE—BOOKSELLERS AND BOOKSELLING

Public disseminators of literature. T. Tumanov. Koop. Kazakh. 5 no. 4:45 Ap '62.

PAVLOGRAD—HISTORICAL MUSEUMS

Propagandist of revolutionary traditions. I. Rubanovich. Kul't. -pres. rab. 23 no. 10:10-11 O '62.

PAVLOGRAD—ROBBERY

How we investigated an armed robbery. V. Liubymov. Rad. pravo no. 1:56-58 Ja-F '63.

PAVLOV, MIKHAIL ALEKSANDROVICH, 1853-1958

Academician M. A. Pavlov; on the occasion of the centenary of his birth. B. M. Zlobinskii. Bezop. trudy v prom. 7 no. 2:29-30 F '63. One hundredth anniversary of Academician M. A. Pavlov's birth. Sial' 23 no. 1:6-7 Ja '63.

PAVLOVSKII, EVGENII NIKANOROVICH, 1884-

"War with an invisible enemy" by A. G. Lebedenko. Reviewed by N. V. Vinogradova, A. S. Usol'tseva. Biol. v shkole no. 5:90-91 S-O '62.

PEA TREE

Activity and quality of peptidases in the seeds of Siberian pea tree and cowpea. L. Semetalte. Blul. Glav. bot. sada no. 45:84-87 '62.

PEACE

A boy is walking toward the sun. Ukraina no. 1:1 Ja '63.

"Christian Peace Conference" no. 1, November 1962. Review. Zhur. Mosk. Patr. no. 1:44-47 Ja '63. Comments on the action of the Russian Orthodox Church in connection with the Cuban crisis. Zhur. Mosk. Patr. no. 12:38-41 D '62.

Invincible army of fighters for peace. Ukraina no. 13:1 Ji '62.

Letter of the working committee of the Christian Peace Conference to the Second Vatican Council. Zhur. Mosk. Patr. no. 12:41-42 D '62.

Meeting with Christians from Holland. A. Duevskii. Zhur. Mosk. Patr. no. 2:57-61 F '63.

Participation of the Russian Orthodox Church in activities for the preservation of peace in 1962. P. Urzhumtsev. Zhur. Mosk. Patr. no. 2:54-55 F '63.

"Peace and Freedom." (Address at a regional conference in Holland). Archbishop Nikodim. Zhur. Mosk. Patr. no. 1:39-44 Ja '63.

PEACE—CONGRESSES

Communiqué on the meeting of the working committee of the Christian Peace Conference in Driebergen, Netherlands, December 4-7, 1962. Zhur. Mosk. Patr. no. 1:37-39 Ja '63.

PEACE CORPS

"Corps" of colonizers. A. Gritsanov. Komm. Bel. 37 no. 2:72-75 F '63.

PEACH—VARIETIES

Improving the peach varieties for canning. I. N. Rjabov. Kons. i ov. prom. 18 no. 2:28-32 F '63.

PEAS—DRYING

Drying peas at seed corn processing plants. G. Kucherlavenko, G. Kleinberg. Muk. -elev. prom. 28 no. 11:17-19 N '62.

PEAS—FERTILIZERS AND MANURES

Effect of fertilizers on the yield of cabbage and peas sown along with oats on reclaimed virgin lands. O. S. Krasivskaya. Blul. nauch. -tekh. inform. SZNIISKH no. 3:14-16 '58.

PEAS—IRRIGATION

Efficiency of saturation irrigation in the growing of green peas. V. E. Karpenko. Kons. i ov. prom. 18 no. 2:32-33 F '63.

PEAS—VARIETIES

New variety of table peas. K. A. Khvatova. Blul. nauch. -tekh. inform. SZNIISKH no. 3:40 '58.

Protein and nonprotein nitrogen of the seeds and green bulk of pea varieties. R. I. Pinagina. Trudy po khim. prirod. soed. no. 3:90-120 '60.

PEASANT UPRISINGS see subdivision under Ukraine, Western

PEASANTRY

(see also subdivision under Estonia; Italy; Moldavia; Ukraine)

"Collected works." Vol. 40 by V. I. Lenin. Reviewed by A. Morozov. Polit. samoochr. 6 no. 10:133-137 O '62.

Statistical records on the transfer of the assigned tracts of land as a source for studying the class differentiation of Russian peasants. M. S. Simonova. Ist. arkh. 8 no. 6:152-156 N-D '62.

- PEAT**
(see also subdivision under Cuba)
Charges in the specific surface area of peat cokes in the process of pyrolysis. V. E. Rakovskii, V. Z. Volkov. Khim. i tekhn. topl. i masel. 8 no. 1:42-45 Ja '63.
Peat litter. N. A. Berkovich. Zhivotnovodstvo 23 no. 5: 55-56 My '61.
Using various types of peat for preparing peat-human pots [with summary in English]. V. I. Bakusheva. Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:51-71 '60.
- PEAT—BIBLIOGRAPHY** see Bibliography—Peat
- PEAT BOGS**
Classification of swamps for road construction purposes. A. A. Tkachenko. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:55-62 '62.
- PEAT MACHINERY**
Fixture for peat unloading. N. Presnukhin. Avt. transp. 41 no. 1:54 Ja '63.
A machine for picking up and baling of bedding peat. V. Savkin. Tekh. v sel'khoz. 22 no. 12:39-41 D '62.
- PEAT SOILS**
Decomposition of cellulose in peat soils brought under cultivation [with summary in English]. V. S. Shaidurov. Pochvovedenie no. 12:79-82 D '62.
- PEAT TAR**
Extraction of phenols from peat tar by a water solution of methanol. V. B. Smolenskii, V. N. Kozlov. Trudy Inst. khim. UFAN SSSR no. 6:79-86 '61.
- PEBBLES** see subdivision under Carpathian Mountains
- PECHORA BASIN—CLAY**
Observations on the contraction of coals and sandy-argillaceous rocks in the Intinskoye coal deposit. I. U. N. Prikhod'ko. Izv. AN SSSR. Ser. geol. 28 no. 2:99-105 F '63.
- PECHORA BASIN—COAL GEOLOGY**
Observations on the contraction of coals and sandy-argillaceous rocks in the Intinskoye coal deposit. I. U. N. Prikhod'ko. Izv. AN SSSR. Ser. geol. 28 no. 2:99-105 F '63.
- PECTINS**
Pectin. T. K. Gaponenkov, Z. I. Protzenko. Priroda 52 no. 2:100-101 '63.
- PECTINS—ANALYSIS**
Determining pectin substances in apples by means of the photoelectric colorimeter according to the coloring reaction. T. K. Gaponenkov, Z. I. Protzenko. Kons. i ov. prom. 18 no. 1:29-30 Ja '63.
- PEDIATRIC ANESTHESIA**
Selection of the anesthesia method in operations on newborn infants [with summary in English]. M. A. Kanaeva. Vest. khir. 89 no. 11:70-74 N '62.
- PEGMATITES**
(see also subdivision under Karelia; Kola Peninsula; Siberia; Transbaikalia; Ural Mountains)
Albite pegmatites and their genesis. N. A. Solodov. Trudy Min. muz. no. 13:108-127 '62.
Processes of recrystallization in pegmatites. V. V. Gordinenko. Zap. Vses. min. ob.-va 91 no. 6:700-711 '62.
Stepnev, I. U. S. [Lovchorrit-rinkolite pegmatites] Lovchorrit-rinkolitoverye pegmatity. Moskva, Izd-vo Akad. nauk SSSR, 1962. 149 p. (Akademiya nauk SSSR. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov. Trudy, no. 13)
Solodov, N. A. [Internal structure and geochemistry of rare-metal granite pegmatites] Vnutrennee stroenie i geokhimia redkometal'nykh granitnykh pegmatitov. Moskva, Izd-vo Akad. nauk SSSR, 1962. 233 p.
Some data on the geochemistry of beryllium in pegmatites. T. I. Timchenko, Li Chao-ling. Trudy Min. muz. no. 13:128-134 '62.
Some data on uranium minerals in a pegmatite deposit [with summary in English]. L. F. Syritsa. Vest. LGU 17 no. 24:65-73 '62.
- PEIPUS, LAKE—WHITEFISHES**
Postembryonic development of the whitefish *Coregonus lavaretus maraenoides* Poljakov of Lake Peipus under natural conditions. P. M. Kovalev. Vop. ikht. 2 no. 4:664-678 '62.
- PELESCUS** see subdivision under Kuybyshev Reservoir
- PELVIS—FRACTURE**
Closed fractures of the pelvis and their treatment. K. A. Letunova. Nauch. trudy Chetv. Mosk. gor. khim. bol'. no. 1:120-130 '61.
Pelvic bone fractures in children [with summary in English]. N. V. Michurin. Vest. khir. 89 no. 11:127-131 N '62.
- PENDULUM**
Unperturbedness of a spherical variable-length pendulum during the motion of its support point in the central gravitational field. M. Z. Litvin-Sedol. Izv. AN SSSR. Fiz. i tekhn. nauk. Mekh. i mashinostr. no. 1:33-40 Ja-F '63.
- PENICILLIN**
Combination of penicillins with water soluble polymers. S. N. Ushakov, E. F. Panarin. Dokl. AN SSSR 147 no. 5:1102-1104 D '62.
Effectiveness of combined use of penicillin and biomyxin in raising chicks. R. V. Berdichevskii. Biul. nauch.-tekhn. inform. SZNISKH no. 3:59-60 '58.
Intravenous injection of a novocaine-penicillin solution against mastitis. V. M. Voskoboitnikov. Veterinariia 38 no. 10:59-60 O '61.
- PENMANSHIP—STUDY AND TEACHING**
Let's teach a beautiful handwriting. N. V. Bekker. Nach. shkola 31 no. 1:24-25 Ja '63.
Penmanship and orthography. P. S. Kuklin. Nach. shkola 31 no. 1:19-23 Ja '63.
- PENSIONERS—EMPLOYMENT**
A permanent pass. P. Pozniak. Ukraina no. 1:18 Ja '63.
- PENSIONS**
(see also subdivision under Ivanovo)
Conflicts arising from the incorrect reckoning of state pensions. R. Sidenko. Rad. pravo no. 1:64-70 Ja-F '63.
Dzhibinskaya, I. A. S. [Which documents attest the length of service in awarding government pensions] Kakimi dokumentami podverzhdaetsia trudovoi stazh pri naznachanii gosudarstvennykh pensii. Moskva, Gosizdat, 1962. 52 p.
Our consultation. B. N. Apollonov, M. S. Tuzov. Prof.-tekhn. obr. 20 no. 2:30 F '63.
Payment of pensions to rural residents connected with agriculture. G. Smirnova. Okhr. truda i sots. strakh. 5 no. 12:39-40 D '62.
Questions and answers. Okhr. truda i sots. strakh. 5 no. 12:40 D '62.
- PENSTOCKS** see subdivision under Bratsk Hydroelectric Power Station
- PENTADIENE**
Isomerization of isopropenylcyclopropane and accompanying conversions of dienes on catalysts of acidic nature. L. Kh. Freidlin, V. Z. Sharf, M. A. Abidov. Neftekhimiia 3 no. 1:28-34 Ja-F '63.
- PENTANOL**
Alkylation of aromatic compounds with alcohols. Part 18: Reactions of 1-pentanol and 1-hexanol with benzene. G. Kh. Khakimov, I. P. Tsukervanik. Zhur. ob. khim. 33 no. 2:493-499 F '63.
- PENTECOSTAL CHURCHES**
Musatova, V. M., and V. P. Troshkin. [In the world of nightmares: documentary photographic report on Pentecostal sectarians] V mire kosmarna; dokumental'nyi fotozhurnal o sektantskikh-platidesiatnikakh. Moskva, Gospolizdat, 1962. 1 v.
- PENTENE**
Synthesis of isoprene from propylene. Part 2: Isomerization of 2-methyl-1-pentene in the liquid phase in the presence of solid acid catalysts. Neftekhimiia 3 no. 1: 20-27 Ja-F '63.
- PENZA—CONCRETE PLANTS**
Quality of cellular concrete can be guaranteed. B. Perminov. Na stroi. Ros. 3 no. 12:17-20 D '62.
- PENZA—INDUSTRIAL BUILDINGS**
Slabs of cellular concrete in industrial construction. V. Kolesnikov, N. Gusev. Na stroi. Ros. 3 no. 12:20-23 D '62.
- PEPPER**
Some characteristics of the biology of black pepper (Piper nigrum L.) and methods of its propagation. N. N. Konstantinov, N. A. Bodrova. Biul. Glav. bot. sada no. 45:69-73 '62.
- PEPTIC ULCER**
Clinical aspects of a so-called prolucous condition [with summary in English]. A. M. Zybov. Vrach. delo no. 11:7-9 N '62.
Determining the dimensions for resection of the stomach in peptic ulcers [with summary in English]. A. I. Gorbashko. Vest. khir. 89 no. 11:19-24 N '62.
Galvanization of median nerves in a peptic ulcer. R. B. Tyerskol, E. M. Rybachenko. Vrach. delo no. 11:131-132 N '62.
Treatment of peptic ulcers. I. V. Otenko, V. I. Maluk. Vrach. delo no. 11:130-131 N '62.
- PEPTIDASES**
Activity and quality of peptidases in the seeds of Siberian pea tree and cowpea. L. Sometskaite. Biul. Glav. bot. sada no. 45:84-87 '62.
- PEPTIDES**
Chemical transformations of dipeptides and tripeptides under the action of ultrasonic waves in the presence of active and inert gases. I. E. El'pinger, A. V. Sokol'skaja. Dokl. AN SSSR 147 no. 5:1220-1222 D '62.
Interaction of peptides with some preparations of "pH 5-enzymes." V. V. Mosolov, I. V. Skarlat, P. V. Afanas'ev. Dokl. AN SSSR 148 no. 3:708-711 Ja '63.
- PERCEPTION**
Analyzing the information processing of the human brain [with summary in English]. A. V. Nagalkov, M. I. Ikhonova. Vop. psikh. no. 6:40-54 N-1 '62.
Natural of visual images in echizophrasia [in Georgian with summary in Russian]. A. E. Vachnadze. Trudy Inst. psikh. AN Gruz. SSR 13:91-215 '62.
Problems of perception and the physiological "attainment" of sense organs [with summary in English, p. 184]. P. G. Shtaklin, A. I. Eshkov. Vop. filos. 17 no. 2:91-99 '63.
Some special aspects of the processing of information by man [with summary in English]. A. N. I. Kond'ev, E. P. Krivichik. Vop. psikh. no. 6:14-25 N-1 '62.
Stochastic theory of perception. Report No. 2: Tactual recognition of objects distributed in time. L. Arana, E. N. Sokolov. Dokl. APN 6 no. 5:83-84 '62.
Translation from perception to purposive observation under the influence of special instruction [with summary in English]. O. I. A. Obukhova-Sharapova. Vop. psikh. no. 6:89-101 N-1 '62.
- PERCH** see subdivision under Balkal Lake region; Syamozero, Lake
- PERCHLORIC ACID**
Perchloric acid and its compounds as catalysts in organic synthesis. Part 9: Synthesis of ketones of the pyrrole series. G. N. Dorofeenko, A. P. Kucherenko, N. V. Prokof'eva. Zhur. ob. khim. 33 no. 2:556-590 F '63.
- PERENNIALS**
Characteristics of the storage of reserve substances in the underground organs of some perennial early spring plants [with summary in English]. I. O. Parvova. Ukr. bot. zhur. 19 no. 6:70-76 '62.
- PERESLAVL'-ZALESSKIY DISTRICT—UREA AS FEED**
Feeding of urea to milk cows. K. P. Rashvankil, E. M. Rashotnikov. Veterinariia 30 no. 10:66 O '61.
- PERFUSION PUMP (HEART)**
(see also subdivision under Czechoslovakia)
Experience acquired in surgery by the use of an artificial heart and lungs. K. Shishka and others. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:13-23 '62.
Some perfusion problems in artificial blood circulation. V. Smerechanskii and others. Trudy Inst. eksp. i khir. i gemat. AN Gruz. SSR 10:35-42 '62.
- PERICARDITIS**
Electrocardiographic changes in adhesive pericarditis [in Georgian with summary in Russian]. O. D. Gvantsadze, T. I. Akhmeteli. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:127-132 '62.
- PERICARDIUM—TUMORS**
Case of a colomic cyst of the pericardium. K. A. Muzyka. Klin. khir. no. 11:80-87 N '62.
Colomic cysts of the pericardium. A. I. Rozno, A. I. Iakovlev. Vrach. delo no. 11:143-145 N '62.
- PERIODIC LAW**
N. N. Beketov on the D. I. Mendeleev periodic law. M. A. Ulanovskaya. Trudy Inst. ist. est. i tekhn. 39:272-282 '62.
- PERITONITIS**
Clinical aspect and treatment of acute peritonitis in old age [in Georgian with summary in Russian]. V. I. Otkhozuri, R. I. Kurdgelina. Trudy Tbil. GIMU 9: 239-245 '62.
- PERJURY**
Criminal responsibility for perjury. I. Chernykh. Sov. iust. no. 8:16-17 Mr '63.
- PERLITE (MINERAL)**
Use of expanded perlite and efficient elements made of it at construction projects in the Ukraine. A. V. Zhukov, E. M. Titner. Stroi. mat. 9 no. 2:1-4 F '63.
- PERM—EDUCATION OF CHILDREN**
They are getting ready for communism. S. Laptava. Rabotnitsa 40 no. 3:20-20 Mr '62.
- PERM PROVINCE—ECONOMIC CONDITIONS**
Mukhin, S. G. [From the Twenty-first to the Twenty-second; Perm Province between the party congresses] Ot dvadtsati' pervogo k dvadtsati' vtoromu; Permskaya oblast' mezhdu partinyimi s'ezdami. [Perm'] Permskoe knizhnoe izd-vo, 1961. 96 p. (MH)
- PERM PROVINCE—FIR—DISEASES AND PESTS**
Desiccation of spruce and fir plantations in the western Urals. I. V. Sinadskii. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:108-109 '62.
- PERM PROVINCE—FORESTS AND FORESTRY**
Riches burning on bonfires. I. A. Karpov. Sov. profsoyuz 19 no. 3:3-5 F '63.
- PERM PROVINCE—GAS, NATURAL—GEOLOGY**
Basic characteristics of the structure and formation of the Kana-Kinoi Depression in Perm Province in connection with oil and gas potentials. I. M. Mel'nik. Geol. nefi i gaza 7 no. 2:1-7 F '63.

PERM PROVINCE—INDUSTRIAL HYGIENE

Without mean-spirited guardianship. A. Chistiakov, *Okhr. truda i sots. strakh.* 5 no. 12:23 D '62.

PERM PROVINCE—PETROLEUM GEOLOGY

Basic characteristics of the structure and formation of the Kana-Kinel Depression in Perm Province in connection with oil and gas potentials. I. M. Mel'nik, *Geol. nefti i gaza* 7 no. 2:1-7 F '63.

PERM PROVINCE—SPRUCE—DISEASES AND PESTS

Defestation of spruce and fir plantations in the western Urals. I. U. V. Sinadskii, *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5:168-169 '62.

PERM PROVINCE—STATISTICS

"The economy of Perm Province"; collected statistics. Reviewed by G. Tunin, *Vest. stat.* no. 2:82-84 '63.

PERM PROVINCE—TRADE UNIONS

Riches burning on bonfires. I. A. Karpov, *Sov. profsoliuzi* 19 no. 3:3-5 F '63.

PERM PROVINCE—WOOD-DECAYING FUNGI

Defestation of spruce and fir plantations in the western Urals. I. U. V. Sinadskii, *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5:168-169 '62.

PERMANGANATES

Unprofitable utilization. A. Prokopchuk, *Mest. prom. i khud. promys.* 3 no. 12:32 D '62.

PERMEABILITY

Permeability factor and hyaluronic acid in the phenomena of infection and immunity. Report no. 1: The permeability factor and hyaluronic acid in experimental infection [with summary in English]. M. I. Alaverdian, *Trudy TomNIIVS* 11:186-197 '60.

Permeability factor and hyaluronic acid in the phenomena of infection and immunity. Report no. 2: The permeability factor and hyaluronic acid in an experimental immunology model [with summary in English]. M. I. Alaverdian, *Trudy TomNIIVS* 11:188-206 '60.

Permeability factor and hyaluronic acid in the phenomena of infection and immunity. Report no. 3: The permeability factor and hyaluronic acid in an experimental immunology model using cold-blooded animals [with summary in English]. M. I. Alaverdian, *Trudy TomNIIVS* 11:207-212 '60.

PERMITTIVITY see Dielectric constants

PEROVSKAIA, SOF'IA L'VOVNA, 1853-1881

Segal, E. A. *Sof'ia Perovskaiia*, Moskva, Izd-vo "Molodaia gvardiia," 1962. 304 p. (Zhizn' zamchatel'nykh liudei: Seriya biografii, no. 15(348))

PEROXIDES

Formation of diaryl nitric oxide radicals in reactions between amines and peroxide radicals. A. T. Koritskii, A. F. Lukovnikov, *Dokl. AN SSSR* 147 no. 5:1126-1129 D '63.

Role of the reactions of free cysteine with peroxide compounds in the biological effect of ionizing radiations. V. N. Benevolenskii, *Radiobiologiya* 3 no. 1:13-16 '63.

PEROXY COMPOUNDS

Dynamics of the formation of the peroxy compounds of aliphatic and heterocyclic aldehydes in the maturation process of wine materials. N. Kazumov, M. Tumanian, *Prom. Arm.* 5 no. 12:57-60 D '62.

PEROXYMONOSULFURIC ACID

Mechanism of oxidation of diphenyl sulfide by Caro's acid. I. P. Gragorov, A. F. Levit, *Zhur. ob. khim.* 33 no. 2:543-544 F '63.

PERRET, AUGUSTE, 1874-1954

Auguste Perret was a master of reinforced concrete. G. Buldakov, N. Leboeshita, *Sov. arkhitekt.* no. 14:135-146 '62.

PERSIA see Iran

PERSIAN LANGUAGE—INTONATION

Intonation of the vocative in the Persian language. V. I. Zav'ialova, *Uch. zap. LGU* no. 306:16-31 '62.

Syntagmatic division of sentences in the Persian language. V. I. Zav'ialova, *Uch. zap. LGU* no. 305:85-108 '61.

PERSIAN POETRY—HISTORY AND CRITICISM

Kikashvili, V. B. [Contemporary Iranian poetry; essays] *Sovremennaiia persidskaia poeziia; ocherki*, Moskva, Izd-vo vostochnoi lit-ry, 1962. 146 p.

PERSIMMON see subdivision under Yakhsh Valley

PERSONAL BEAUTY see Beauty, Personal

PERSONAL EQUATION

Personal error in observations for the measurement of the altitude of celestial bodies. V. P. Kuznetsov, *Mor. sbor.* 48 no. 2:65-69 F '63.

PERSONAL NAMES see Names, Personal

PERSONALISM

"From the closed to the open" [in French] by Mohamed Aziz Lahbabi. Reviewed by A. B. Sagadeev, *Nar. Az.* 1 Afr. no. 1:221-224 '63.

PERSONALITY

Petrovskii, A. V. [From the act to character] *Ot postupka k kharakteru*, Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauko, tekhnike XI Seriya: Pedagogika, no. 4)

PERSONALITY, DISORDERS OF

Forensic-psychiatric evaluation of some variants of grandiose ideas. B. V. Shostakovich, *Prak. sudebnopsikh. ekspert.* no. 8:39-35 '62.

Psychogenic development of the personality. N. I. Felinskaia, K. L. Immerman, *Prak. sudebnopsikh. ekspert.* no. 4:3-9 '61.

PERSONNEL RECORDS

Determination of the length of service. L. Koval', *Rad. pravo* no. 5:99-100 S-O '62.

PERTTUNEN, ARIHPPA, 1869-1841 or 2

New information on A. I. Perttunen. T. J. Vaininen, *Trudy Kar. fil. AN SSSR* no. 35:182-183 '62.

PETURBATION

Analytic properties of the meson-nucleon vertex portion and the scattering amplitude of pseudoscalar mesons in the theory of perturbations. M. A. Mostvirishvili, I. T. Todorov, *Dokl. AN SSSR* 148 no. 3:562-565 Ja '63.

PESTICIDES—TOXICOLOGY

Vsesoiuznaia nauchnaia konferentsiia po gigiene i toksikologii insektotsidov, 2d, 1962. [Hygiene and toxicology of new pesticides and clinical aspects of poisoning; reports of the Second All-Union Scientific Conference of the Committee for the Study and Regulation of Poisonous Chemicals of the Main State Sanitary Inspection of the U. S. S. R.] *Gigiena i toksikologiya novykh pestitsidov i klinika otravlenii; doklady 2-i Vsesoiuznoi nauchnoi konferentsii Komiteta po izucheniiu i reglamentatsii ladokhimikatsy Glavnoi gosudarstvennoi sanitarnoi inspeksii SSSR*, Pod obshch. red. L. I. Medvedin, Moskva, Medgiz, 1962. 478 p.

PESTRAK, FILIPP SEMENOVICH, 1903-

"Notebook of my travels; verse" by Filipp Pestrak. Reviewed by U. Bolka, *Belarus'* 20 no. 2:26 F '63.

PETROCHEMICALS see Petroleum chemicals

PETROLEUM see subdivision under Dnepor-Donets Lowland; Fergana; Irkutsk Province

PETROLEUM—DENSITY see subdivision under Apsheron Peninsula

PETROLEUM—REFINING

Bagirov, I. T., and I. M. Kardash. [Means for lowering the consumption of power in petroleum refineries; fuel, steam, water, air, electric power] *Puti snizheniia energozatrati na neftepererabotku; toplivo, par, voda, vozdukh, elektroenergiia*, Moskva, Gostoptekhizdat, 1962. 211 p.

Computers for the control of petroleum refining processes. R. S. Savitskaia, M. I. Shpunt, *Mekh. i avtom. prozv.* 17 no. 2:55-58 F '63.

Determination of the basic dimensions of plate rectification columns. I. A. Aleksandrov, *Khim. i tekhn. topl. i masel* 8 no. 1:50-58 Ja '63.

Gerasimovskii, N. M., N. B. Zhdanovskii, and V. D. Phelelov. [Hydrorefining of petroleum products] *Gidrotsekhika nefteproduktov*, Moskva, Gostoptekhizdat, 1962. 131 p. (Biblitekhika molodogo rabochego)

Preparation of alkylaryl sulfonates from a straight-run oil fraction. D. B. Orechkin and others, *Khim. i tekhn. topl. i masel* 8 no. 1:27-30 Ja '63.

Resources in the potential heat of steam-distillation fractions and their utilization [in Azerbaijani with summary in Russian]. I. T. Bagirov, *Azerb. neft. khoz.* 41 no. 4:34-37 Ap '62.

PETROLEUM AS FUEL

Bobrov, N. N., and P. I. Voropal. [Using fuels and lubricants] *Primenenie topliva i smazochnykh materialov*, Pod obshch. red. N. N. Bobrova, Moskva, Gostoptekhizdat, 1962.

PETROLEUM CHEMICALS

Aleksandrov, A. N., M. I. Demont'eva, and I. A. E. Smullovskii, eds. [Methods for analyzing the products of petroleum refining and petrochemical synthesis] *Metody issledovaniia produktov neftepererabotki i neftekhimicheskogosinteza*, Leningrad, Gostoptekhizdat, 1962. 231 p.

PETROLEUM ENGINEERING

Effect of the residual oil saturation on the hydrodynamic characteristics of the development of gas-oil deposits. M. T. Abbasov, *Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk* no. 4:113-120 '62.

Temperature distribution in the expansion of petroleum from a stratum by a hot agent. A. A. Abbasov, *Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk* no. 4:105-111 '62.

PETROLEUM ENGINEERING—HYGIENIC ASPECTS see subdivision under Ashkhabad

PETROLEUM ENGINEERING—TECHNOLOGICAL INNOVATIONS

For technical progress in oil production. P. P. Galonskii, *Bezop. truda v prom.* 7 no. 1:3-6 Ja '63.

PETROLEUM GEOLOGY

(see also subdivision under Apsheron Archipelago; Apsheron Peninsula; Azerbaijan; Carpathian Mountains; Caspian Depression; Caucasus; Crimea; Europe; Gobi; Irkutsk Province; Kuybyshev Province; Lok-Batan region; Mangyshlak Peninsula; Perm Province; Siberia; Siberia, Western; Tatar A. S. S. R.; Ural Mountain region; Uzbekistan; West Siberian Plain; Zeya Valley)

Basic results of prospecting for oil and gas in capitalist countries, 1961. M. K. Kalinko, *Geol. nefti i gaza* 7 no. 2:50-60 F '63.

Formation of screened and bounded lithologic oil and gas pools. V. E. Leschenko, A. I. Matvienko, *Geol. nefti i gaza* 9 no. 9:40-43 S '62.

"Oil and gas reservoirs in fields of the U. S. S. R." by A. A. Khamin. Reviewed by S. Sarkisian, E. Smekehov, E. Romm, *Geol. nefti i gaza* 7 no. 2: 61-62 F '63.

Using radiometry in the preliminary evaluation of the petroleum potential of structures. N. K. Borcheninov, *Geol. nefti i gaza* 9 no. 9:33-36 S '62.

PETROLEUM INDUSTRY

(see also subdivision under Abu Dhabi; Azerbaijan; Ivano-Frankovsk Province; Saudi Arabia)

Objectives of workers of the gas and oil refining industry for 1963. Khim. i tekhn. topl. i masel 8 no. 1:1-3 Ja '63.

PETROLEUM INDUSTRY—HYGIENIC ASPECTS see subdivision under Angarsk

PETROLEUM INDUSTRY—PRODUCTION STANDARDS

Establishment of standard three norms in the petroleum industry. A. Martkovich, *Sots. trud* 7 no. 6:82-85 Je '62.

PETROLEUM INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Vannovskiy

PETROLEUM PRODUCTS

Aleksandrov, A. N., M. I. Demont'eva, and I. A. E. Smullovskii, eds. [Methods for analyzing the products of petroleum refining and petrochemical synthesis] *Metody issledovaniia produktov neftepererabotki i neftekhimicheskogosinteza*, Leningrad, Gostoptekhizdat, 1962. 231 p.

Using spent sulfuric acid for purifying bright petroleum distillates. M. A. Mordanov, G. Z. Alekperov, *Azerb. neft. khoz.* 41 no. 4:37-39 Ap '62.

PETROLEUM PRODUCTS—MEASUREMENT

Automatic measurement of the specific weight of petroleum products. S. I. A. Golikman, M. I. Lishnevskii, *Mekh. i avtom. prozv.* 17 no. 2:9-13 F '63.

Intensify the state inspection of measuring equipment for fuels and lubricants. I. I. Kogan, *Izv. tekhn.* no. 1:60-61 Ja '63.

PETROLEUM PRODUCTS—TRANSPORTATION see subdivision under Volgograd Province

PETROLEUM REFINERIES

Improve the design of petroleum refineries. I. U. Niko-laeu, *Bezop. truda v prom.* 7 no. 1:18 Ja '63.

PETROLEUM REFINERIES—SAFETY MEASURES

Pranulis, M. F. [Safety measures in petroleum refineries] *Tekhnika bezopasnosti na neftepererabotke*, Izd. 2., perer. i dop. Moskva, Gostoptekhizdat, 1962. 208 p.

PETROLOGY

(see also subdivision under Caucasus)

Koburnova, V. A. [Physical properties of rocks; petrophysics] *Fizicheskie svoistva gornykh porod; petrofizika*, Pod red. V. N. Dakhnova, Moskva, Gostoptekhizdat, 1962. 490 p.

"Lithologic study of metamorphic formations" by A. V. Sidorenko, O. I. Luneva. Reviewed by N. N. Lohanov, *Izv. AN SSSR, Ser. geol.* 27 no. 12:113-116 D '62.

PETROPAVLOVSK—LANDSCAPE GARDENING

Microclimatic influence of parks in Petropavlovsk. N. I. Anan'ev, *Zdrav. Kazaki*, 22 no. 11:61-64 '62.

PETROVSKYI, HIRYHORI IVANOVYCH, 1877-1957

A friend and disciple of Lenin on the 55th anniversary of H. I. Petrovskiy's birth. A. I. Mel'chik, *Vop. ist. KPSS* 7 no. 2:95-98 F '63.

PETROZAVODSK—THEATER

On the Lake Onega shore. V. Pimenov, *Ogonak* 40 no. 51:6-7 D '62.

PETUSHINSKIY DISTRICT—STONE AGE

The ancient site of Lopachi. M. P. Zimina, *Sov. arkhool.* 7 no. 1:278-283 '63.

PHAGOCYTOSIS

Change in the osmotic resistance of leucocytes and phagocytosis caused by the use of sympathicotrophic and parasympathicotrophic substances. N. G. Laktionova, *Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR* 10:225-230 '62.

Phagocytic activity of the leucocytes and the protein fractions of the blood serum in chronic nonspecific pneumonia. V. N. Saperov, E. F. Saperov, *Vrchn. delo* no. 1:122 Ja '63.

PHARMACOLOGY

Effect of a complex of pharmacological preparations on the course of an acute, open pneumothorax in the final stage and after the revivification of the animal. Sh. S. Machavariani. Trudy Inst. eksp. i klin. khim. i gemat. AN Gruz. SSR 10:363-369 '62.
Results of the treatment of lymphogranulomatosis only with di-trinitan in conjunction with X-ray therapy. E. S. Gazarian, S. A. Mazmanian, L. A. Solokhova. Vopr. rent. i onk. 6:265-271 '61.
Therapeutic effectiveness of etafos in infectious hepatitis. I. K. Musaboev, Sh. M. Abdunaboeva. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:93-100 '62.

Treatment of trichomonal diseases of the sexual organs of a woman by the "Hitenurin" preparation. V. N. Vlasov. Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:295-301 '61.

PHARMACOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur.: Farm. Toks. nos. 1-3, 5 Ja-Mr '63.

PHARMACOLOGY—STUDY AND TEACHING

Baku. Azerbaidzhan'ski gosudarstvennyi meditsinskii institut. Farmatsiyeveskii fakultet. [Materials from a conference on academic methods of the Department of Pharmacology of the Azerbaijani State Medical Institute] Materialy uchebno-metodicheskoi konferentsii. Baku, 1962. 49 p. (DNLM)

PHASE CONVERTERS

A bridge-type phase shifter with a phase shift up to 180°. V. L. Danilov, V. A. Rodionov. Radiotekhnika 18 no. 1:72-77 Ja '63.
Device for obtaining 90° phase shifts. M. A. Rakov. Avtom. kont. i izm. tekhn. no. 6:139-143 '62.

PHASE RULE AND EQUILIBRIUM

Application of empirical equations for describing the composition - property relation in multicomponent equilibrium systems. G. V. Seriatkov. Zav. lab. 29 no. 1:70-75 '63.
Certain properties of the γ -phase in the system Cu-Zn. K. K. Kasymbekova, A. A. Presniakov. Fiz. met. i metalloved. 15 no. 1:134-137 Ja '63.
Constitutional diagram of the system Nb-Sn. V. S. Kogan and others. Fiz. met. i metalloved. 15 no. 1:143-145 Ja '63.

[Constitutional diagrams of metal systems, published in 1960 (no. 6)] Diagrammy sostoiatia metallicheskih sistem, opublikovannye v 1960 godu (vypusk 6) [By] Z. M. Rogachevskaya. Pod red. N. V. Ageeva. Moskva, Proizvodstvenno-Izdatel'skii kombinat VINITI, 1962. 173 p. (Prilozhenie k vypusku "Metallovedenie i termicheskaya obrabotka" Referativnogo zhurnala "Metallurgiya" za 1962 god)

Effect of chromium and nickel on γ - δ transformations in iron-manganese alloys. I. N. Bogachev, L. S. Matinov. Fiz. met. i metalloved. 14 no. 6:828-833 D '62.
"Hereditary" effect of peening on the properties of steel. M. L. Bernshein, M. A. Shtremel'. Fiz. met. i metalloved. 15 no. 1:82-90 Ja '63.

Obtaining a two-phase flow with constant composition. A. M. Gasparian, R. E. Akopian, Zh. A. Kazanchian. Izv. AN Arm. SSR. Ser. tekhn. nauk 15 no. 6:49-56 '62.

Phase analysis of chromized nickel alloys. N. I. Blok, M. N. Kozlova, N. F. Lashko. Zav. lab. 29 no. 3:272-276 '63.

Phase analysis of nonferrous alloys. M. N. Kozlova, N. F. Lashko, K. P. Sorokina. Zav. lab. 29 no. 3:261-271 '63.

Structure and stability of austenite in chromium-manganese-nickel steels with nitrogen. A. P. Gultayev, I. S. Medvedev. Metalloved. i term. obr. met. no. 1:35-39 Ja '63.

Transformations of undercooled austenite in steels with a varying degree of alloying. M. P. Braun, B. B. Vinokur, F. I. Ivanov. Izv. vys. ucheb. zav. i chem. met. 6 no. 1:128-135 '63.

PHENETOLE

Alkylation of aromatic compounds with diene hydrocarbons. Part 5: Products of alkylation of phenetol with piperylene in the presence of anhydrous orthophosphoric acid. E. A. Vdovtsova, M. R. Lagudaev. Uzb. khim. zhur. 6 no. 6:37-48 '62.

PHENOL

Oxidation of benzene and phenol by pernitrous acid and of silicic aldehyde by Fenton's reagent. N. A. Vysotskaya. Dokl. AN SSSR 148 no. 2:344-348 Ja '63.

PHENOL CONDENSATION PRODUCTS

Rubber vulcanization with phenol alkyl formaldehyde resins. A. G. Shvarts, B. Z. Kamenskii, Kauch. i rez. 22 no. 2:18-14 F '63.

PHENOLOGY—MAPS

Phenological map of the beginning of the chokecherry (cherry of the south) flowering in the U. S. S. R. V. A. Batmanov. Sib. geog. sbor. no. 1:203-210 '62.

PHENOLS

Activation method for the quantitative determination of organically-bound sulfur impurities in polyphenyls. I. U. G. Sevast'yanov and others. Atom. energ. 14 no. 3:324-326 Mr '63.

Bisphenols. Part 2: Condensation of phenols with ketones in the presence of boron fluoride. I. M. Bilik and others. Zhur. ob. khim. 33 no. 2:487-490 F '63.

Extraction of phenols from pent tar by a water solution of methanol. V. B. Smolenskii, V. N. Kozlov. Trudy Inst. khim. UFAN SSSR no. 6:78-86 '61.

Konferentsia po oshistke fenol'nykh stochnykh vod. Moscow, 1960. [Purification of industrial sewage] Oshistka promyshlennykh stochnykh vod; trudy sovmenstnoi konferentsii Instituta Vodego ASIA SSSR i Instituta vodnogo khoziaistva Ministerstva zemledeliia, lesnogo i vodnogo khoziaistva ChSSR. Moskva, Gosstatizdat, 1962. 448 p. (Kanalizatsiia)

Obtaining binding materials for wood particle boards on the basis of wood tar phenols. V. N. Kozlov, I. P. Kolenko. Trudy Inst. khim. UFAN SSSR no. 6:71-78 '61.

Shragin, S. M. [Refining oils with phenol] Oshistka masel fenolom. Leningrad, Gosstatizdat, 1962. 84 p. (Biblioteka molodogo rabochego)

Synthesis of homogeneous and mixed polyarylates from allyl-substituted phenols. V. V. Korshak and others. Lakokras. mat. i kh. prim. no. 1:3-9 '63.

Veldre, Imgeborg. [Materials for the hygienic evaluation of waste waters of the shale industry] Materialy k gigenicheskoi otsenke stochnykh vod slantsevoi promyshlennosti. Tallinn, Akad. nauk Estonskoi SSR, 1962. 115 p. [With summaries in Estonian and German]

PHENOTHIAZINE

Antiarrhythmic activity of chlorazoline [with summary in English]. O. V. Ulianova. Vest. AMN SSR 18 no. 1:64-68 '63.

PHENYL SULFIDE

Mechanism of oxidation of diphenyl sulfide by Caro's acid. I. P. Grigorov, A. F. Levit, Zhur. ob. khim. 33 no. 2:543-544 F '63.

PHENYLATION

Influence of high pressure on the steric course of tert-butylbenzene phenylation. M. G. Gonikberg, N. I. Prokhorova, E. F. Litvin. Dokl. AN SSSR 148 no. 1:105-108 Ja '63.

PHENYLENEDIAMINE—TOXICOLOGY

Comparing the toxicity of mercaptobenzimidazole and N-phenyl-N-isopropylparaphenylenamine. R. S. Vorob'eva and others. Kauch. i rez. 22 no. 2:18-19 F '63.

PHILIPPINES—COMMERCE

"National bourgeoisie of the Philippines in the struggle for independent foreign trade" by O. G. Baryshnikova. Reviewed by K. M. Popov. Nar. Az. i Afr. no. 1:227-228 '63.

PHILOSOPHY

Bogomolov, A. S. [History of bourgeois philosophy in the period of imperialism] Istoriia burzhuaznoi filosofii epokhi imperiializma; uchebno-metodicheskoe posobie dlia studentov-zaochnikov filosofskikh fakul'tetov gosudarstvennykh universitetov. 2., perer. izd. [Moskva] Izd-vo Mosk. univ., 1962. 97 p.

Filipov, A. P. [Russian ideology after the death of Stalin] O sovetskoi ideologii posle Stalina. Munich, In-t po izucheniiu SSSR, 1962. 48 p. (Institut zur Erforschung der UdSSR, Issledovanie i materialy, ser. 2, no. 80)

"The history of philosophy." Vols. 1-5. Reviewed by G. Vasetskii, A. Petrashik, S. Popov. Kommunist 39 no. 4:115-118 Mr '63.

Ideology of the common people as a constituent part of the history of social thought [with summary in English, p. 185]. L. A. Kogan. Vop. filos. 17 no. 2:82-92 '63.

Problem of the ideal in philosophy. E. V. Il'enkov. Vop. filos. 17 no. 2:132-144 '63.

Umov, A. I. [Things, properties, and relations] Veshchi, svoistva i otnosheniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 183 p.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—RESEARCH

International contacts of the Institute of Philosophy of the Academy of Sciences of the U. S. S. R. I. U. S. Lebedev. Vop. filos. 17 no. 2:157-160 '63.

PHILOSOPHY—STUDY AND TEACHING

Russia (1923- U. S. S. R.) Upravlenie prepodavaniia obshchestvennykh nauk. [Program of the course on the history of philosophy for institutions of higher learning; 72 hours] Programma kursa istorii filosofii dlia vysshikh uchebnykh zavedeniia (72 chasa). Moskva, Sotsekgiz, 1962. 61 p.

PHILOSOPHY, AMERICAN

"At the philosophical crossroads; the crisis of phenomenology and critical realism in the present-day bourgeois philosophy of the U. S. A." by I. V. Bychko. Reviewed by A. S. Bogomolov. Vop. filos. 17 no. 2:179-181 '63.

Bychko, I. V. [At the philosophical crossroads; the crisis of phenomenology and critical realism in the present-day bourgeois philosophy of the U. S. A.] Na filosofskomu rozdorizhzhii: kryza fenomenologii i filiosofii SShA. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 158 p.

PHILOSOPHY, CHINESE

"The Chinese classic 'The book of changes' " by I. K. Shchutskii. Reviewed by F. S. Bykov. Nar. Az. i Afr. no. 1:213-216 '63.

PHILOSOPHY, GEORGIAN

Basic trends in the development of Georgian philosophy in the 1870's [in Georgian with summary in Russian]. V. A. Gagoidze. Trudy Inst. filos. AN Gruz. SSR 11:245-260 '62.

PHILOSOPHY, HINDU

Akademiia nauk SSSR, Institut narodov Azii. [Sociopolitical and philosophical thought of India] Obshchestvenno-politicheskaia i filosofskaia mysl' Indii; sbornik statei. Moskva, Izd-vo vostochnoi lit-ry, 1962. 202 p.

PHILOSOPHY, WHITE RUSSIAN

"History of White Russian philosophical and sociopolitical thought." Reviewed by I. Lashchinskii, A. Klovchenko. Komm. Bel. 37 no. 2:67-71 F '63.

PHLEBITIS

Present-day achievements in the treatment of thrombosis and thrombophlebitis. M. I. Brinkin. Zdrav. kazakh. 22 no. 11:7-12 '62.

PHLOGOPITE see subdivision under Silyudyanka region

PHLORIZIN

Effect of phlorizin and strophanthin on the secretion of glucose and sodium with the urine of dogs. A. S. Oganesian. Izv. AN Arm. SSR. Biol. nauki 15 no. 8:39-44 Ag '62.

PHOENIX (FABULOUS BIRD)

Stories of "sacred" plants and animals. Vs. Krivosheina. Nauka i rel. 4 no. 1:17 Ja '63.

PHONOGRAPH

How to check the speed of a phonograph turn table. Radio no. 3:64 Mr '63.

PHONORECORDS—CATALOGS

Mezhdunarodnaia kniga. [Long-playing records, 1961] Dolgoigrashchie gramplastinki 1961. Moskva, [n. d.] 191 p.

PHOSPHATE ORES

"Methods of the chemical analysis of phosphate ores" by V. A. Oknina. Reviewed by I. A. Blum. Zav. lab. 29 no. 1:100 '63.

PHOSPHATES

Dates of application and methods for the placement of superphosphate for spring grain crops [with summary in English]. N. E. Poliakova. Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:121-131 '60.

Effectiveness of phosphate meal and shale ashes in the formation of meadows on dry valley soils cleared of forest vegetation. E. A. Zhiginskaya. Biol. nauch. i tekhn. inform. SZNISKH no. 3:12-13 '65.

Fozin, M. E., and B. A. Kopylov. [New methods of preparing mineral fertilizers] Novyye metody polucheniia mineral'nykh udobrenii. Leningrad, Goskhimizdat, 1962. 233 p. (DNAL)

Row placement of granulated superphosphate [with summary in English]. V. M. Motkin. Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:84-120 '60.

Strohn, I. U. P. [Phosphate meal and its use] Fosforitnaya muka i ee primeneniie. Moskva, Sel'khozizdat, 1962. 85 p. (DNAL)

PHOSPHATIDES

Early entrance of C14 into the phosphatides during photosynthesis in the leaves of Primula obconica. N. I. Zakharova. Dokl. AN SSSR 149 no. 1:202-204 Mr '63.

PHOSPHINIC ACID

Acetylene-allene-acetylene rearrangements of phosphites with a β,γ -acetylene bond in an ester radical. A. M. Pudovik, I. M. Aladzheva. Zhur. ob. khim. 33 no. 2:707-708 F '63.

Conjugation phenomenon in the systems with a tetrahedral atom. Part 2: Vinylphosphinic acids. M. I. Kabachnik, T. A. Mastrukova, T. A. Melont'eva. Zhur. ob. khim. 33 no. 2:382-388 F '63.

Esters of monoarylates of phenylphosphinic acid. I. N. Zhmurova. Zhur. ob. khim. 33 no. 2:549-551 F '63.

Prototropic isomerization of esters of alkenylphosphinic acids. B. I. Ionin, A. A. Petrov. Zhur. ob. khim. 33 no. 2:432-437 F '63.

PHOSPHONITRILE CHLORIDE

Substitution of morpholine for chlorine atoms in a phosphonitrile chloride trimer. A. A. Kropacheva, L. E. Mukhina. Zhur. ob. khim. 33 no. 2:706-707 F '63.

PHOSPHORAMIDIC ACID

Diallyl esters of arylsulfonamidophosphoric acids. V. I. Shevchenko, V. P. Tkach, A. V. Kirsanov. Zhur. ob. khim. 33 no. 2:562-564 F '63.

PHOSPHORIC ACID

Isolation of Carrier-free Y^{90} from the mixture $Sr^{90} + Y^{90}$ by extraction with diethylphosphoric acids. S. A. Potapova, Radiokhimiya 5 no. 1:110-114 '63.

PHOSPHORITES see subdivision under Java

PHOSPHOROTHIOIC ACID

Salts of dialkyl phosphorothioic acids, Part 5: Interaction of salts of dialkyl phosphorothioic acids with aromatic halogen derivatives. V. C. Pesin, A. M. Khaletskii, I. G. Vitenberg. Zhur.ob.khim. 33 no. 2: 388-391 F '63.

PHOSPHOROUS ACID

Acetylene-allene-acetylene rearrangements of phosphites with a β,γ -acetylene bond in an ester radical. A. N. Fedovik, I. M. Aladzhieva. Zhur.ob.khim. 33 no. 2: 707-708 F '63.

PHOSPHORUS—ANALYSIS

Problem of the determination of phosphorus in monomer and polymer organic compounds by the volumetric method. A. I. Lebedeva, I. V. Novozhilova. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:423-427 '62.

PHOSPHORUS ISOTOPES

Action of small doses of radioactive phosphorus (P^{32}) on the growth and development of swine. A. A. Kudriavtsev, F. V. Zakharova, M. N. Andreev. Trudy VIEV 26:183-187 '62.

Effect of pain on the change in the concentration of radioactive phosphorus in blood. Z. S. Cherkezian. Izv. AN Arm. SSR. Biol. nauki 15 no. 8:51-56 Ag '62.

Interpretation of the levels of the odd-odd P^{30} nucleus according to Nilsen's model. A. K. Val'ter and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:228-231 F '63.

Metabolism of radioactive phosphorus in chickens on different protein levels in their rations. D. Stashch. Trudy VIEV 26:205-208 '62.

Treatment of tumors of the urinary bladder with radioactive phosphorus [in Georgian with summary in Russian]. G. A. Gzirishvili. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR. 10:157-160 '62.

PHOSPHORUS ISOTOPES—PHYSIOLOGICAL EFFECT

Some biochemical changes in the skin and blood of rabbits during irradiation of a limited section of the cutaneous tegmen with radioactive phosphorus (P^{32}) [with summary in English]. B. A. Zadorozhnyi, N. N. Medvedskaya, Vrach. delo no. 1:23-28 Ja '63.

PHOSPHORUS METABOLISM

Intensity of phosphorus metabolism in different sections of the heart and the aorta under the influence of some vascular preparations. F. P. Trinius, V. I. Mil'ko. Vrach. delo no. 1:118-120 N '62.

PHOSPHORUS ORGANIC COMPOUNDS

Aryldichlorophosphazacyls and their derivatives. G. I. Derkach, V. A. Shokol, E. S. Gubnitskaya. Zhur.ob.khim. 33 no. 2:553-557 F '63.

Determination of phosphamide (O, O-dimethyl-S-methylcarbamidomethylidithiophosphate) in air [with summary in English]. M. A. Klisenko. Zhur.ob.khim. 17 no. 9:1114-1116 D '62.

Diaroxychloro- and triaroxychlorophosphazacyls. G. I. Derkach and others. Zhur.ob.khim. 33 no. 2:557-562 F '63.

Mineralization of phosphorus organic compounds by some soil micro-organisms. V. V. Kotelev, E. A. Mekhtieva, Y. I. Smirnov. Izv. AN Mold. SSR no. 7:34-42 '62.

Problem of the determination of phosphorus in monomer and polymer organic compounds by the volumetric method. A. I. Lebedeva, I. V. Novozhilova. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:423-427 '62.

PHOTOCHEMISTRY

Impulse spectroscopy, a method for the investigation of rapid photochemical reactions. A. V. Karaklin, V. I. Duzhenkov. Usp. khim. 31 no. 12:1511-1527 D '62.

Lightfastness of polypropylene and fiber based on it. L. G. Tokareva and others. Khim. volok. no. 3:23-25 '63.

New type of hydrogen exchange in the photolysis of some organic compounds. M. G. Kuz'min, I. V. Berezin. Dokl. AN SSSR 148 no. 2:377-379 Ja '63.

Photochemical activity of pigments and methods for its determination. T. N. Gurevich, V. A. Zubchuk, S. V. Lakubovich. Lakokras.mat. i kh. prim. no. 1:55-57 '63.

Photoconductivity kinetics of acetylene polymers. V. S. Mylnikov. Dokl. AN SSSR 148 no. 3:620-623 Ja '63.

Photoreaction of hexafluoroazomethane with unsaturated compounds. V. A. Ginzburg and others. Dokl. AN SSSR 149 no. 1:97-99 Mr '63.

Relation between the photocatalytic activity of zinc oxide and titanium dioxide and the breakdown of films containing these pigments. A. V. Pamfilov, I. A. Mazurkevich, N. P. Novakovskii. Lakokras.mat. i kh. prim. no. 1:23-26 '63.

Sensibilization of the photoreaction of alcohol dehydrogenation at 77° K studied by means of electron paramagnetic resonance. V. E. Kholmogorov, E. V. Baranov, A. N. Terenin. Dokl. AN SSSR 149 no. 1:142-145 Mr '63.

PHOTOCOLORIMETERS see Colorimeters

PHOTOELASTICITY

Investigating stress concentrations in a plastic area by means of photoelastic coatings. M. Kh. Akhmetzianov. Izv. AN SSSR. Otd. tekhn. nauk. Mekh. i mashinost. no. 1: 159-162 Ja-F '63.

PHOTOELECTRIC MEASUREMENTS

Optimum conditions for the performance of scanning devices in case of photoelectric recording. M. G. Mikhailova. Izv. tekhn. no. 1:16-18 Ja '63.

Photorelay with magnetic amplifier. I. I. Alt'erman, O. N. Mel'nikov. Mekh. i avtom. proizv. 17 no. 1:44-45 Ja '63.

Positive feedbacks in photocompensation amplifiers. M. B. Mints, S. G. Rabinovich. Izv. tekhn. no. 2:35-38 F '63.

PHOTOELECTRICITY

Contribution to the theory of external photoelectric effect in semiconductors with a high work function of photoelectrons. Z. I. Urtskii. Izv. vys. ucheb. zav. i radiofiz. 5 no. 6:1243-1245 '62.

Detection efficiency of a NaI (Tl) crystal for noncollimated γ -radiation. I. U. S. Korda, G. F. Timoshevskii, V. V. Remnev. Atom. energ. 14 no. 3:319-320 Mr '63.

Kinetics of the motion of electrons in solid bodies excited by soft X rays. N. N. Filants, U. A. Arifov, A. Kh. Atukhanov. Radiotekh. i elektron. 8 no. 2:303-310 F '63.

Theory of the photoeffect and the photomagnetic effect in thin semiconductor layers. I. Iminov, M. Azizov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 6 no. 6:87-91 '62.

PHOTOENGRAVING

A centralized zincography printing house is an important production potential. A. Kunina. Poligr. proizv. no. 11:10-20 N '62.

PHOTOGRAMMETRY

Stereoscopic photogrammetry in architecture and construction. M. Z. Tarasovskaya. Stroit. i arkh. Len. 25 no. 2:34-35 F '63.

PHOTOGRAMMETRY—EQUIPMENT AND SUPPLIES

STD-2 stereometer in combination surveying. N. M. Puzol'skii. Geod. i kart. no. 1:47-49 Ja '63.

Single-carriage stereocomparator. A. N. Lobanov. Izv. vys. ucheb. zav. i geod. i aerof. no. 4:117-119 '62.

PHOTOGRAPHIC EMULSIONS

Sensitizing effect of ultra optimum concentration of the dye. A. S. Heiman, S. V. Natanson, V. P. Donatova. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:60-70 Ja-F '63.

Magnitude and structure of the developed grains in extra fine-grained nuclear emulsions. N. A. Perfilov, N. R. Novikova, V. I. Zakharov. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:62-63 Ja-F '63.

Role of iodide in the process of physical ripening of emulsions. Part I: Silver iodobromide emulsions without addition of ammonium. K. S. Lialikov, K. M. Ginzburg. Zhur. nauch. i prikl. fot. i kin. 8 no. 1: 29-36 Ja-F '63.

PHOTOGRAPHIC INTERPRETATION

Hydrogeological mapping based on data of aerial photography. K. E. Nefedov. Dokl. AN SSSR 148 no. 3: 676-678 Ja '63.

Quantitative characteristics of interpretation characteristics of soils on air photos by means of correlation coefficients [with summary in English]. M. A. Platonenko. Pochvovedenie no. 1:75-84 Ja '63.

PHOTOGRAPHIC LENSES see Lenses, Photographic

PHOTOGRAPHIC SENSITOMETRY

Dependence of the photometric equivalent upon the nature of the radiation acting on the photographic layer and upon the conditions of exposure. K. V. Vendrovskii, A. L. Kartuzhanskii, O. V. Plaset'skaya. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:67-69 Ja-F '63.

PHOTOGRAPHIC SENSITOMETRY—STANDARDS

Standardization of the method of a comprehensive sensitometric testing of multiple-layer color materials. G. S. Baranov, E. D. Katsenelenbogen, L. K. Krupenin. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:71-74 Ja-F '63.

PHOTOGRAPHY

Fritsche, Kurt. [Making faultless pictures; the prevention and elimination of photographic errors] Fotografieren bez oshibok; preduprezhdenie i ustranenie fotograficheskikh oshibok. Pod red. E. A. Iofisa. Moskva, Gos. izd-vo "Iskusstvo," 1961. 272 p. (Biblioteka foto-hubitella, no. 23)

PHOTOGRAPHY—COMPETITIONS

Whose photo is better? Ukraina no. 1:20-27 Ja '63.

PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Comparison study of the chemical and physical developing. Zh. L. Browne, K. V. Chibisov. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:59-61 Ja-F '63.

Mechanism of the penetration of the components of developing solutions into the photographic layer. Part I: The mechanism of penetration. I. E. Blumberg, I. M. Davydin. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:3-10 Ja-F '63.

PHOTOGRAPHY—ELECTRONIC EQUIPMENT

A simple photoelectric flash device. E. Borisov. Radio no. 2:29-30 F '63.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur.: Fotokhimiya. nos. 1-3 Ja-Mr '63.

"Spectral analysis of the photographic process" by I. U. N. Gorokhovskii. Reviewed by P. V. Mel'nik, M. I. Barro. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:76-77 Ja-F '63.

PHOTOGRAPHY—EXHIBITIONS

Amateur photography. Ukraina no. 13:30-31 Ji '62.

PHOTOGRAPHY—LIGHTING

A simple photoelectric flash device. E. Borisov. Radio no. 2:29-30 F '63.

PHOTOGRAPHY—PORTRAITS—LIGHTING AND POSING

Portrait and lighting. E. Bialyi. Mest. prom. i khud. promys. 3 no. 1:12-13 Ja '63.

PHOTOGRAPHY—PRINTING PAPERS see subdivision under Lithuania

PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

"Achievements of the scientific photography," vol. 8. Reviewed by B. A. Shashlov. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:77-78 Ja-F '63.

Babankin, F. S. [Practical photography in geological surveys and mining engineering] Prakticheskaya fotografiya v geologorazvedochnom i gornom dele. Moskva, Gosgostekhnizdat, 1962. 208 p.

Methods of photographic documentation for anthropological investigations. O. M. Pavlovskii. Vop. antr. no. 10: 80-100 '62.

One moment; motion pictures and photography in research. Sov. Soluz. no. 3:26-27 '63.

PHOTOGRAPHY, PARTICLE TRACK

Magnitude and structure of the developed grains in extra fine-grained nuclear emulsions. N. A. Perfilov, N. R. Novikova, V. I. Zakharov. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:62-63 Ja-F '63.

"Study of elementary particles by the photographic method" by C. F. Powell, P. Fowler, D. Perkins. Reviewed by A. L. Kartuzhanskii. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:76-79 Ja-F '63.

PHOTOGRAPHY, TIME-LAPSE

High-speed "ZnLV-1" time lapse camera. G. L. Shnirman and others. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:58-59 Ja-F '63.

PHOTOGRAPHY OF ANIMALS

Zaplatin, M. A. [With a motion-picture camera instead of a gun] 8 kinokamerol vmesto ruzh'ia. Moskva, Iskusstvo, 1962. 47 p. (Biblioteka kinolubitel'ia)

PHOTOMAGNETIC EFFECT

On the photomagnetic effect on a p-n junction. A. A. Grinberg, I. N. Nikolaev. Dokl. AN SSSR 147 no. 5: 1057-1060 D '62.

Theory of the photoeffect and the photomagnetic effect in thin semiconductor layers. I. Iminov, M. Azizov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 8 no. 6:87-91 '62.

PHOTOMETRY

4-(2-Pyridylazo)-resorcinol, a sensitive reagent for the photometric determination of indium [with summary in English]. P. P. Kish, S. T. Orlovskii. Zhur. anal. khim. 17 no. 9:1057-1062 D '62.

New extraction-photometric method for the determination of titanium. Report No. 1: Peroxide complex of titanium in an isomylphosphoric extract [with summary in English]. I. U. B. Kletenk, Zhur. anal. khim. 17 no. 8:1063-1067 D '62.

PHOTOMICROGRAPHY

Microphotography of brown woodpulp. B. F. Nikandrov. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:104-110 '62.

PHOTOPERIODISM

Effect of changing photoperiods on the development of woody plant seedlings [with summary in English]. I. L. Aerov. Ukr. bot. zhur. 19 no. 6:39-47 '62.

Quantitative investigation of the characteristics of the spring growth of testes in some species of the finch family (Fringillidae). V. R. Dol'nik. Dokl. AN SSSR 140 no. 1:101-103 Mr '63.

PHOTOSYNTHESIS

A day's dynamics of the factors of photosynthesis in the crown of a fruit tree. Part I: Dynamics of the CO_2 content of various air strata [with summary in English]. I. A. D. Romashko. Ukr. bot. zhur. 19 no. 6:48-54 '62.

Early entrance of C^{14} into the phosphatides during photosynthesis in the leaves of *Primula obconica*. N. I. Zakharova. Dokl. AN SSSR 140 no. 1:202-204 Mr '63.

Foliar nutrition of sugar beets and photosynthesis. D. Saitova. Sbor. stud. nauch.-issl. rab. VSKNI 1 no. 1:63-65 '62.

Photosynthesis rate on different sides of the leaves of tomato plants. B. L. Dorokhov. Dokl. AN SSSR 148 no. 2:459-460 Ja '63.

PHTHALIC ANHYDRIDE

Cis-3,6-endomethylene-1,2,3,6-tetrahydrophthalic anhydride as a hardener of epoxide resins. I. L. Parbuzina, N. N. Sokolov. *Plast. massy* no. 2:69-71 '63.

PHTHALIC ANHYDRIDE—CONGRESSES

Scientific and technical conference on the problem of phthalic anhydride production. L. I. Grechanovskii. *Khim. prom.* no. 12:919 D '62.

PHTHALIMIDE

Victims of medical business. A. Kh. Tambiev. *Priroda* 52 no. 2:106-110 '63.

PTHIVAZIDE

Treatment of pulmonary tuberculosis with pthivazide inhalations. E. V. Blatets and others. *Vrach. delo* no. 11:141-142 N '62.

PHYLLITE see subdivision under Urup Valley

PHYLLOCERATIDAE, FOSSIL see subdivision under Caucasus

PHYLOGENY

Mirzolan, E. N. [Individual development and evolution; an essay on the history of the correlation between ontogeny and phylogeny] *Individual'noe razvitiye i evolutsiya; ocherk istorii problemy sootnosheniya ontogeneza i filogeneza*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 201 p.

PHYSICAL EDUCATION AND TRAINING

Improve the quality of the training of students in the organization of sports in physical education institutions. I. I. Nikiforov. *Teor. i prak. fiz. kul't.* 25 no. 12:11-15 D '62.

Lessons in the fresh air. IU. Volkov. *Prof. -tekh. obr.* 18 no. 11:26 N '62.

Physical education in schools. V. G. Gontkovskii. *Vech. sred. shkola* 5 no. 5:42-44 S-O '62.

Physical education of senior students. S. V. Khrushchev, T. M. Karpova. *Zdrav. Ros. Feder.* 7 no. 1:42 Ja '63.

Postnikov, D. V., ed. [Physical education and sports in rural areas] *Fizicheskaya kul'tura i sport na sele; v pomoshch' sel'skomu fizkul'turnomu aktivu*. Moskva, Izd-vo "Fizkul'tura i sport," 1962. 450 p.

Wider theoretical knowledge as one of the conditions of greater sports achievements. S. L. Aksel'rod. *Teor. i prak. fiz. kul't.* 25 no. 12:53-54 D '62.

Zhuravlev, E. P. [Early in the morning, during working hours, when resting; daily physical exercises for older intellectual workers] *Po utram, vo vremya raboty, na otdykh; ezhdnevnyye fizicheskie uprazhneniya dlya poznylykh liudei umstvennogo truda*. Moskva, Fizkul'tura i sport, 1962. 228 p.

PHYSICAL EDUCATION AND TRAINING—ABSTRACTS

[Scientific principles of physical education and sports; collection of abstracts of dissertations] *Nauchnye osnovy fizicheskogo vospitaniya i sporta; referativnyi sbornik dissertatsii*. Moskva, Izd-vo "Fizkul'tura i sport," No. 2, 1962. 380 p.

PHYSICAL EDUCATION AND TRAINING, MILITARY

Increase of grades in sports is a humbug. P. Beschastnov, N. Kosarin. *Komm. Vooruzh. Sil* 3 no. 2:60-61 Ja '63.

Types of sports with a military application. *Komm. Vooruzh. Sil* 3 no. 23:87 D '62.

PHYSICAL EDUCATION FOR CHILDREN

A mother has brought a certificate. *EEven Bulanchyk*. *Ukraina* no. 1:30-31 Ja '63.

Outdoor games. V. G. Iakovlev. *Nach. shkola* 31 no. 1:53-57 Ja '63.

Physical education in a classroom. L. P. Gorchakova. *Nach. shkola* 31 no. 1:57-58 Ja '63.

PHYSICAL GEOGRAPHY

(see also subdivision under Krasnoyarsk Territory; Mediterranean Sea region; Polesye; Siberia; Western; Sverdlovsk Province; Ural Mountain region) Device for automatically recording local relief from an airplane during airborne geophysical surveys. V. F. Davydov. *Razved. i okh. nedr* 29 no. 1:52-55 Ja '63.

Moscow, Universitet. Nauchno-metodicheskiy kabinet po zaochnomu i vechernemu obucheniyu. [Physical geography of the U.S.S.R.] *Fizicheskaya geografiya SSSR; izbrannyye lektsii dlya studentov-zaochnikov geograficheskikh fakul'tetov gosudarstvennykh universitetov*. Pod red. N. A. Gvozdet'skogo. [Moskva] Izd-vo Mosk. univ. No. 3. [By] A. A. Makunina, IU. P. Parmuzin. 1962. 141 p.

Practice in the territorial differentiation of the geographical medium using correlative coefficients. M. M. Khachatryan. *Izv. AN Arm. SSR, Geol. i geog. nauki* 15 no. 6:49-57 '62.

Voelkov, A. I. [Influence of man on nature] *Vozdeistviye cheloveka na prirodu*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 250 p.

PHYSICAL INSTRUMENTS

Let's generalize the experience of the institutions of higher learning in manufacturing physical apparatus. A. P. Butra. *Vest. vys. shkoly* 21 no. 1:95-96 Ja '63.

Simplest apparatus for determining the refractive index of liquids. Tran Khyu Bao. *Fiz. v shkole* 22 no. 6:55-56 N-D '62.

PHYSICAL METALLURGY

Main objectives of investigations in the field of the physics of plasticity and strength. V. L. Indenbom, A. N. Orlov. *Fiz. met. i metalloved.* 15 no. 1:5-11 Ja '63.

PHYSICALLY HANDICAPPED—EMPLOYMENT

Questions and answers. *Okhr. truda i sots. strakh.* 5 no. 12:40 D '62.

PHYSICIANS—EDUCATION

Training future physicians in public health organization. A. G. Kurochkina. *Zdrav. Ros. Feder.* 7 no. 1:26-28 Ja '63.

Ways to raise the qualifications of first aid physicians. M. A. Messel'. *Zdrav. Ros. Feder.* 7 no. 1:16-20 Ja '63.

PHYSICIANS—MISCELLANEA

"Dramatic medicine" by Hugo Glaser [translated from the german]. Reviewed by E. Vasil'eva. *Vokrug sveta* no. 11:63 N '62.

PHYSICS

(see also subdivision under Moldavia)

Leningrad, Inzhenerno-stroitel'nyi institut. Nauchnaya konferentsiya. [Physics; reports of the 20th Scientific Conference] *Fizika; doklady XX Nauchnoi konferentsii*. Leningrad, 1962. 77 p.

PHYSICS—ABSTRACTS

[Physics] *Ref. zhur.* Fiz. no. 1 Ja '63.

PHYSICS—AUDIO-VISUAL AIDS

Children's toys in physics classes. T. IA. Slutskaya. *Fiz. v shkole* 22 no. 6:79 N-D '62.

Vasilii Ivanovich Popov. L. IA. Boborykin. *Fiz. v shkole* 22 no. 6:105 N-D '62.

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—CONGRESSES

Inter-university conference on certain problems in physics and mathematics held at the Kabardno-Balkar State University. I. M. Karasev. *Usp. mat. nauk* 18 no. 1:237-240 Ja-F '63.

PHYSICS—EXPERIMENTS

Apparatus for demonstrating the addition of vibrations. V. P. Svetichnyi. *Fiz. v shkole* 22 no. 6:54-55 N-D '62.

A method for efficient organization of experimental work. V. A. Krivosheev. *Fiz. v shkole* 22 no. 6:28-30 N-D '62.

Model of a heat engine. P. I. Drozd. *Fiz. v shkole* 22 no. 6:53-54 N-D '62.

Scientific and atheistic evening with the use of physical experiments. R. G. Krotova. *Fiz. v shkole* 22 no. 6:65-68 N-D '62.

Suggestions and advice. M. G. Tsolinko and others. *Fiz. v shkole* 22 no. 6:62-64, 96 N-D '62.

Two experiments with a mirror galvanometer. G. A. Lubienskii. *Fiz. v shkole* 22 no. 6:51-53 N-D '62.

PHYSICS—PERIODICALS see subdivision under Poland

PHYSICS—PHILOSOPHY

Category of "interaction" and the principle of superposition in physics [with summary in English, pp. 185-186]. A. F. Pereturin. *Vop. filos.* 17 no. 2:110-121 '63.

Operational criterion of the comprehension of physical concepts [in Georgian with summary in Russian]. S. Sh. Avatiani. *Trudy Inst. filos. AN Gruz. SSR* 11:77-101 '62.

PHYSICS—PROBLEMS, EXERCISES, ETC.

Let's increase the independence of students. D. M. Grishin. *Fiz. v shkole* 22 no. 6:73-74 N-D '62.

Production assignments. S. G. Vershlovskii. *Vech. sred. shkola* 5 no. 5:60-65 S-O '62.

Students compile problems on physics. A. N. Svetitskii. *Fiz. v shkole* 22 no. 6:72-73 N-D '62.

PHYSICS—STUDY AND TEACHING

Athletic education during the teaching of physics. I. I. Beskorovainyi. *Fiz. v shkole* 22 no. 6:22-24 N-D '62.

Contents and methods of studying the elements of astrophysics in secondary school physics and astronomy courses. Report No. 1: Study of jet propulsion in the ninth-grade physics course. I. V. Kozheurov. *Dokl. APN* 8 no. 5:11-14 '62.

Homework on physics. Z. A. Vologodskaya. *Fiz. v shkole* 22 no. 6:25-28 N-D '62.

Language study during the physics lessons. V. P. Moiseenko. *Vech. sred. shkola* 5 no. 5:35-37 S-O '62.

Let's improve the experimental basis of teaching physics. *Fiz. v shkole* 22 no. 6:1-4 N-D '62.

Let's pay more attention to information received by students in primary grades. R. I. Perederii. *Fiz. v shkole* 22 no. 6:76 N-D '62.

Let's take into consideration production requirements during the teaching of physics in evening schools. V. M. Khaneles. *Fiz. v shkole* 22 no. 6:31-32 N-D '62.

Literary text in physics lessons. I. A. Ushakova. *Fiz. v shkole* 22 no. 6:77 N-D '62.

More on the examination system. E. Sh. Khamitov. *Fiz. v shkole* 22 no. 6:30-39 N-D '62.

Notes on the method of studying thermal expansion. S. I. Ivanov. *Fiz. v shkole* 22 no. 6:44-45 N-D '62.

"Practical work on physics" by A. V. Kortnev, IU. V. Rublev, A. N. Kutsenko. Reviewed by A. S. Vysochanskii, V. P. Dremina. *Vest. vys. shkoly* 21 no. 1:87-90 Ja '63.

Production tasks in physics in evening (staggered) schools. G. L. Eibert. *Fiz. v shkole* 22 no. 6:32-36 N-D '62.

Role of a space laboratory in the secondary school study of physics. A. A. Kurikova. *Dokl. APN* 6 no. 5:31-34 '62.

Secondary school study of changes in the energy of atoms. D. Kh. Rubinshtein. *Dokl. APN* 6 no. 5:35-38 '62.

Some methods to increase the efficiency of physics lessons. M. I. Stepanov. *Fiz. v shkole* 22 no. 6:70-72 N-D '62.

Some special aspects of teaching physics in the ninth grade of secondary schools with electrical and radio engineering preparation in vocational training. S. J. Rapoport, A. V. Zhukova. *Dokl. APN* 6 no. 5:9-10 '62.

Stimulating student participation in physics lessons. M. I. Tkachuk, B. G. Dandsenko. *Vech. sred. shkola* 5 no. 6:37-41 N-D '62.

Student constructors. D. Komskii. *Nar. obr.* no. 2:26-21 F '63.

Use of progressive methods in teaching physics. S. S. Lyalkhin. *Fiz. v shkole* 22 no. 6:74-76 N-D '62.

Use of technical handbooks. A. N. Svetitskii. *Vech. sred. shkola* 5 no. 6:44-45 N-D '62.

PHYSICS—STUDY AND TEACHING—BIBLIOGRAPHY

see Bibliography—Physics—Study and teaching

PHYSICS—TERMINOLOGY

We need uniform symbols and terminology in physics courses. A. G. Chertov. *Vest. vys. shkoly* 21 no. 1:95 Ja '63.

PHYSICS—TEXTBOOKS

Notes on textbooks. D. M. Dobrovolskii and others. *Fiz. v shkole* 22 no. 6:87-89 N-D '62.

"Physics for the seventh grade of evening (staggered) schools" by A. I. Antsov. Reviewed by L. K. Ventskovskii. *Vech. sred. shkola* 5 no. 6:70-80 N-D '62.

PHYSIOLOGICAL EFFECT OF LIGHT ON PLANTS see Plants, Effect of light on

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

PHYSIOLOGY—CONGRESSES

Conference dedicated to the 110th anniversary of the birth of N. E. Vvedenskii. V. P. Troshina. *Vest. LGU* 18 no. 3:165-167 '63.

Fourteenth Conference of Physiologists of the Southern R. S. F. S. R. E. K. Agnianta, V. M. Pokrovskii. *Fiziol. zhur.* 48 no. 12:1523-1525 D '62.

PHYSIOLOGY—EXPERIMENTS

Experiments on the dynamic and static work of muscles. E. S. Press. *Biol. v shkole* no. 5:42-44 S-O '62.

PHYSIOLOGY—STUDY AND TEACHING

"Methods of teaching human anatomy and physiology" by I. V. Kozyr', P. I. Suvorova, A. M. Tsuzmer. [Reviewed by A. V. Sokolova. *Biol. v shkole* no. 5:85-87 S-O '62.

"Study of human anatomy and physiology in secondary schools" by E. P. Brunov. Reviewed by M. R. Baldashev. *Biol. v shkole* no. 5:87-90 S-O '62.

Studying the pupillary reflex in a group of young physiologists. R. M. Aitova, G. A. Aminov. *Biol. v shkole* no. 5:60-70 S-O '62.

PHYTOGEOGRAPHY

(see also subdivision under Angara Valley; Ukraine, Western)

Grum-Grzhimailo, A. G. [In search of the plant resources of the world; some scientific results of Academician N. I. Vavilov's travels] *V poiskakh rastitel'nykh resursov mira; nekotoryye nauchnye itogi putesthestviy akademika N. I. Vavilova*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 147 p. (Akademiya nauk SSSR. Nauchno-populiarnaya seriya)

Vavilov, N. I. [Five continents] *Plat' kontinentov*. Moskva, Geografiz, 1962. 253 p.

PHYTOGEOGRAPHY—MAPS

Problems of geobotanical mapping discussed at the conference in Novosibirsk. V. M. Kartushin, A. P. Shvedov. *Sib. geog. sbor.* no. 1:226-230 '62.

PHYTONCIDES

Medicinal properties of corn juice treated with phytoncides. M. B. Razumovich. *Zhivotnovodstvo* 23 no. 6:65-66 Ag '61.

PHYTOSOCIOLOGY

Effect of the sowing rate and the contact among seeds during their swelling and germination on the survival and yield of *Kochia geoparia* (L.) Schrad. V.I. Svinarev, I. Khamdamov. Dokl. AN SSSR 148 no. 2:456-458 Ja '63.

PIANO—MAINTENANCE AND REPAIR see subdivision under Moscow

PIANO MAKERS see subdivision under Rostov-on-Don

PICKERS (WEAVING)

New type of artificial leather for the pickers of automatic looms. L. E. Kalinina, V. V. Matveev, S. S. Ryzhev. Nauch.-issl. trudy VNIIPK no. 12: 35-40 '60.

PICOLINE

β -Picoline-monosubstituted nitroammonium complex compounds of trivalent cobalt. A. Ganjev, R. Mukhtarov. Uzb. khim. zhur. 6 no. 6:18-22 '62.

PICTURES

New reproductions of pictures. Kul't. -pros. rab. 23 no. 4:49-50 Ap '62.

PIERS see subdivision under Novorossiysk

PIGEONS

Studying the biology of pigeons in a nature corner. I. A. F. Vinnichenko. Biol. v shkole no. 6:61-64 N-D '62.

PIGMENTS

Effect of film-forming materials as surface-active agents on the process of pigment milling. M. A. Chupceev, A. A. Trapeznikov. Lakokras. mat. i ikh prim. no. 1:30-33 '63.

Effect of pigments on the stability and structural and mechanical properties of the systems pigment - polyvinyl acetate dispersion. Report No. 4. L. F. Korsunskii. Lakokras. mat. i ikh prim. no. 1:19-22 '63.

Photochemical activity of pigments and methods for its determination. T. N. Gurevich, V. A. Zubchuk, S. V. Iakubovich. Lakokras. mat. i ikh prim. no. 1:55-57 '63.

Pigmented polyethylene films. G. F. Mochkina, N. N. Sosnosukii. Plast. massy no. 1:43-45 '63.

Relation between the photocatalytic activity of zinc oxide and titanium dioxide and the breakdown of films containing these pigments. A. V. Pamirov, I. A. S. Mazurkevich, N. P. Novakovskii. Lakokras. mat. i ikh prim. no. 1:23-26 '63.

Some characteristic properties of black pigments. F. I. Bloshstein, M. G. Dorogova. Lakokras. mat. i ikh prim. no. 1:34-36 '63.

PIGMENTS—ANALYSIS

Changes occurring in the composition of the coloring matter of garden beads during long storage. A. A. Kolesnik, V. I. A. Anisimov. Kons. i ov. prom. 18 no. 1: 15-18 Ja '63.

PIKE

(see also subdivision under Kuybyshev Reservoir)
Sex differences in pike (*Esox lucius* L.). I. F. Demchenko. Vop. ikht. 3 no. 1:190-193 '63.

PIKE PERCH see subdivision under Kuybyshev Reservoir; Syamozero, Lake

PILING (CIVIL ENGINEERING)

Coating piles with thixotropic pastes as a method of lowering the cost and increasing the rate of pile sinking. B. M. Gumenskii. Gidr. stroi. 32 no. 9:21-23 S '62.

New elements for piling. V. Buznitskii. Stroi. i arkh. 10 no. 2:23-28 F '62.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po dolam stroitel'stva. [Temporary instructions SN 612-62 for designing and installing pile foundations made of short, driven piles] Vremennye ukazaniia po proektirovaniu i ustroistvu avialnykh fundamentov iz korotkikh zabitnykh svai (SN 216-62). Moskva, 1962. 31 p.

Sinking reinforced concrete piles using vibration and scouring. D. S. Levshinskii, V. N. Tupikov. [Trudy] NIi osn. no. 51:27-30 '62.

Study of soil density in the body of earth piles made with an experimental model of a new machine. V. G. Gnil'tskii. Osn., fund. i mekh. grun. 4 no. 1:18-19 '62.

PINE

(see also subdivision under Bryansk Province;

Karolia; Tobol Valley; Trialet Range)
Effect of initial density on the stand structure and cutting age of pine stands. V. F. Lebkov. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:37-42 '62.

Individual ecologic variability of Scotch pine. D. A. Sletskia. Trudy Brian. tekhn. inst. 9:309-315 '60.

Leaving seed trees in clearcuttings of pine forests. V. E. Klimov. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5: 173 '62.

Practices in liming acid soils in Scotch pine plantations. P. I. Ushakov. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5: 39-33 '62.

Seasonal development of Scotch pine. V. M. Obnovlenskii. Trudy Brian. tekhn. inst. 9:118-130 '60.

PINE—DISEASES AND PESTS see subdivision under Bryansk Province

PINK SALMON see subdivision under Maritime Territory

PIONEERS (COMMUNIST YOUTH)

(see also subdivision under Leningrad; Moldavia; Moscow; Ukraine)

All-Union competition of Pioneer detachments. Prep. ist. v shkole 17 no. 8:72-78 N-D '62.

Chronicle of a Pioneer troop. V. I. Skharova. Nach. shkola 31 no. 1:60-64 Ja '63.

The detachment as a patron of Junior Pioneers. L. I. Sosnovik. Nach. shkola 31 no. 1:64-67 Ja '63.

Friends of our stars. V. Morozova. Nar. obr. no. 2: 68-70 F '63.

The Pioneer organization is 40 years old. O. Ivanova. Klub 11 no. 5:2-3 My '62.

Pioneer songs are heard in the yard. N. Benson. Zhil.-kom. khoz. 12 no. 8:15 S '62.

Pioneers' international center. D. Gulina. Kul't. -pros. rab. 23 no. 8:19 Ag '62.

"Pionerskaya Pravda" is our guest. Mol. komm. no. 5: 61-68 My '62.

Republic of multicolored neckties. Sov. Soluz no. 0:30-33 '62.

Stop the traffic! Children are going to camp. Klub 11 no. 5:4-15 My '62.

Training students for work. N. Navaichuk. Otv. na vop. trud. no. 11:31-39 N '62.

We are always ready to struggle for the objectives of the Communist Party. S. Zaitseva. Mol. komm. no. 5: 55-60 My '62.

PIPE

Bending of pipes. V. Shupletsov. Radio no. 2:40 F '63.

Progressive designs for underground piping. E. V. Patsko. Transp. stroi. 12 no. 9:33-34 S '62.

PIPE—FLUID DYNAMICS

Streamlining of a cylindrical body by a viscous fluid in a flexible pipe. R. S. Gurbanov, A. F. Kasimov. Azerb. nef. khoz. 41 no. 5:29-32 My '62.

PIPE—HYDRODYNAMICS

Similarity parameters for the flow of viscous plastic fluids in pipes. F. A. Shkhaliev. Izv. AN SSSR. Otd. tekhn. nauk. Mekh. i mashinostr. no. 1:153-154 Ja-F '63.

PIPE, ASBESTOS-CEMENT

Casing artesian wells with asbestos cement pipes. V. R. Buldei. Mekh. sil'. hosp. 13 no. 12:20-24 D '62.

Casing bored wells with asbestos cement pipes. E. V. Bezevill'nyi. Gidr. i mel. 14 no. 1:48-52 Ja '63.

Laying an asbestos-cement pipeline with a new type of butt joint. N. E. Fomkin, B. A. Kleshov. Vod. i san. tekhn. no. 1:31 Ja '63.

Pressure water conduits made of asbestos-cement pipe. D. V. Selimbekov, R. G. Nadzharov. Vod. i san. tekhn. no. 1:30-31 Ja '63.

PIPE, CONCRETE

Temporary footings and scaffoldings made of reinforced concrete pipe. L. N. Litvinov. Transp. stroi. 12 no. 9:23-25 S '62.

PIPE, PLASTIC

Oil coolers made with "antegmit" (graphite plastic) pipes. N. M. Khvatkov. Koks i khim. no. 1:57-59 '63.

Pipes from polyethylene plastics and steel pipes lined with vinyl plastic. Prom. energ. 18 no. 2:54-55 F '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po khimii. [Temporary technical specifications for molded parts made of polyethylene of high density (low pressure) for delivery pipes made of polyethylene; MRTU 6 No. M-858-61] Vremennye tekhnicheskie uslovia na fasovnye chasti iz polietilena vysokoi plotnosti (nizkogo davleniia) dlia napornykh polietilennykh truboprovodov; MRTU 6 No. M-858-61. Moskva, Gosstroizdat, 1962. 19 p.

PIPE, PLASTIC—STANDARDS

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po khimii. [Temporary technical specifications MRTU 6 No. M-821-61 for pressure pipes made of low-density polyethylene and MRTU 6 No. M-856-61 for pressure pipes made of high-density polyethylene] Vremennye tekhnicheskie uslovia na trubny napornye iz polietilena nizkoi plotnosti (MRTU 6 No. M-821-61) i na trubny napornye iz polietilena vysokoi plotnosti (MRTU 6 No. M-856-61). Moskva, Gosstroizdat, 1962. 18 p.

PIPE, RUBBER

Rubber is a substitute for metal in sanitary engineering. T. K. Fedorov. Vod. i san. tekhn. no. 2:30-31 F '63.

Rubber water pipes. V. Kovalevskii. Sel'. stroi. 15 no. 3:17-18 Mr '60.

Victory of perseverance. B. Uglov. Mest. prom. i khud. promys. 3 no. 12:28 D '62.

PIPE, STEEL

Protection of internal steel pipe surfaces. A. V. Kosarev. Sudostroenie 20 no. 2:63 F '63.

Strength of pipes with longitudinal welded seam. Sh. N. Kats. Teploenergetika 10 no. 2:74-77 F '63.

Stresses arising in the heating of a steam pipe from austenitic steel. A. L. Poliakov, D. P. Elizarov, S. V. Volkov. Teploenergetika 10 no. 2:69-73 F '63.

Vinyl plastic lining of pipelines. V. P. Fmel'ianov. Metallurg 8 no. 2:34 F '63.

PIPE, STEEL—STANDARDS

Moscow. Vsesoluznyi nauchno-issledovatel'skii institut po normalizatsii v mashinostroenii. [Steel pipe sections MN 2568-61 and MN 2570-61 - MN 2592-61 for interior sanitary engineering installations] Detali truboprovodov stal'nye dlia vnutrennikh sanitarno-tekhnicheskikh ustroistv, MN 2568-61, MN 2570-61 - MN 2592-61. Moskva, Standartgiz, 1962. 30 p. (SSSR. Normali mashinostroeniia)

PIPE, STEEL—TESTING

Effect of the scale factor on stress-rupture strength of pipes subjected to high internal pressure of hydrogen. M. B. Asvlian. Zav. lab. 29 no. 3:352-356 '63.

PIPE, STEEL—WELDING

Characteristics of the production of welded stainless steel pipe in an inert gas atmosphere. Z. A. Grinberg, N. F. Morozov, S. M. Gazman. Stal' 23 no. 2:152-153 F '63.

Tendency of electrically welded Kh18N10T steel pipe toward intercrystalline corrosion. O. S. Vil'iams, T. M. Koval'chuk. Metalloved. i term. obr. met. no. 1: 39-41 Ja '63.

PIPE BENDING

Device for pipe bending. E. Rabinikil, Sh. Paritskii. Mashinostroitel' no. 1:31 Ja '63.

PIPE BENDING—EQUIPMENT AND SUPPLIES see subdivision under United States

PIPE FITTING

Spacing of air escape valves on pressure water conduits. V. S. Dikarevskii, A. A. Markin. Transp. stroi. 12 no. 9:34-36 S '62.

PIPE FITTING—EQUIPMENT AND SUPPLIES

New devices and attachments for laying pipelines. D. A. Tyklin. Mont. i spets. rab. v stroi. 25 no. 3:8-11 Mr '63.

PIPE FLANGES

New design of a blind flange for testing asbestos-cement pressure piping. N. E. Fomkin. Vod. i san. tekhn. no. 2: 30 F '63.

PIPE JOINTS

Laying an asbestos-cement pipeline with a new type of butt joint. N. E. Fomkin, B. A. Kleshov. Vod. i san. tekhn. no. 1:31 Ja '63.

PIPE-LAYING MACHINERY

Experimental studies of pressing pipes through soil by means of vibration. L. N. Terenetskii. [Trudy] NIi osn. no. 51:31-37 '62.

PIPE MILLS

(see also subdivision under Moscow)

Continuous pipe drawing. A. I. Tselikov, L. E. Al'shevskii, B. S. Azarenko. Izv. vys. ucheb. zav. i mashinostr. no. 9:145-148 '62.

Fomtchev, I. A. [Diagonal rolling] Kosala prokalka, Khar'kov, Metallurgizdat, 1963. 261 p.
Shurupov, A. K., and M. A. Freiberg. [Production of economical shape tubes] Proizvodstvo trub ekonomicheskikh profilov. Sverdlovsk, Metallurgizdat, 1963. 266 p.

PIPELINE TRANSPORTATION OF SOLIDS see Hydraulic conveying

PIPELINES

Calculation of pipelines with consideration of their strength and weight loads. A. I. Gurevich. Elek. sta. 34 no. 1:25-33 Ja '63.

Concerning the form of a pressure pulse when covering a pipeline with a gate. S. A. Kursin and others. Avtom. kont. i izen. tekhn. no. 6:192-195 '62.

Manufacture of reinforced concrete blocks for a large conduit. N. I. Astreinov, S. G. Baiko. Bet. i zhel.-bet. 8 no. 12:557-558 D '62.

Voskresen, V. A. [Laying pipelines outdoors] Prokladka naryzhnykh truboprovodov. Leningrad, Gosstroizdat, 1962. 204 p. (Seria posobi dlia nachinalushchikh rabochikh)

PIPELINES—ABSTRACTS

[Pipeline transportation] Ref. zhur. i Trub. transp. no. 2 F '63.

PIPELINES—CORROSION

Shagov, N. P. [Machinery and installations for the insulation of pipelines] Mashiny i ustanovki dlia izoliatsii magistral'nykh truboprovodov. Moskva, Gostoptekhlizdat, 1962. 311 p.

PIPELINES—MAINTENANCE AND REPAIR

Cement facing of the interior surface of pipelines. A. M. Kontushkov. Vod. i san. tekhn. no. 1:32-34 Ja '63.

PIPELINES—STANDARDS

"Technical pipelines. Carrying out and inspecting their installation." Biol. stroi. tekhn. 20 no. 2:15-16 F '63.

PIPERAZINEETHANOL

Treatment of schizophrenia patients by means of etaperazine [with summary in English]. G. M. Kurapova. Trudy Gos. nauch. -issl. inst. psikh. 35:158-164 '62. Use of etaperazine in treatment of periodic schizophrenia [with summary in English]. O. N. Kuznetsov. Trudy Gos. nauch. -issl. inst. psikh. 35:165-174 '62.

PIPERCOLINE

Catalytic N-acylation of piperidine, α - and β -pipercolines with carbon monoxide. I. A. IU, Aliev, I. B. Romanova, L. Kh. Freidlin. Uzb. khim. zhur. 6 no. 8:59-66 '62.

PIPERIDINE

Catalytic N-acylation of piperidine, α - and β -pipercolines with carbon monoxide. I. A. IU, Aliev, I. B. Romanova, L. Kh. Freidlin. Uzb. khim. zhur. 6 no. 8:59-66 '62.

PIPERIDINEMETHANOL

Effect of piperidol on the higher nervous activity of dogs. Report No. 2: Results of the use of piperidol during a neurotic state. A. IA, Mekhedova. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:223-230 '62.

PIPERIDONE

Ring copolymerization. Part I: Copolymerization of α -piperidone with ϵ -caprolactam [with summary in English]. A. V. Volokhina and others. Vysokom. soed. 5 no. 2:206-211 F '63.

PIPERYLENE

Alkylation of aromatic compounds with diene hydrocarbons. Part 5: Products of alkylation of phenol with piperylene in the presence of anhydrous orthophosphoric acid. E. A. Vdovtsova, M. R. Agudaev. Uzb. khim. zhur. 6 no. 6:37-46 '62.

PIPES—WELDING

Means for increasing the working strength of the welded joints of heating surfaces. E. D. Lonakli, P. M. Gura. Elek. sta. 33 no. 12:26-20 D '62.

PIPETTES

Automatic pipette. A. I. Vertunov. Trudy VIEV 28:188-189 '62.

PIROGOV, NIKOLAI IVANOVICH, 1810-1881

[Pirogov Lectures for 1961] Pirogovskie chitlenia 1961 goda. Leningrad, Medgiz, 1962. 31 p.

PIROPLASMOSIS

(see also subdivision under Tashkent Province)

Electrocardiographic data on the effect of pyralidin on cardiac activity of healthy cattle and of those suffering from piroplasmosis. P. E. Radkevich. Trudy VIEV 28:215-218 '62.

Immunization of cattle against piroplasmosis and Francisella infection. Report No. 1. P. N. Li. Trudy Uz. nauch. -issl. inst. vet. 14:101-112 '61.

Testing the conjunctival method of hemosporidin injection in cattle piroplasmosis. A. V. Bogoroditskii, A. M. Netsetskii. Trudy Uz. nauch. -issl. inst. vet. 14:137-138 '61.

Testing "thiargen" in piroplasmosis and Hemosporidia infection of cattle. A. M. Netsetskii, A. V. Bogoroditskii. Trudy Uz. nauch. -issl. inst. vet. 14:135-136 '61.

PIROLITE

Formation of pisolite-like magnetite and pisolitic tuffite. E. I. Kutyrev. Izv. AN Arm. SSR, Geol. i geog. nauki 15 no. 6:25-34 '62.

PISTON RINGS

Selecting construction dimensions and working parameters of piston rings for automobile engines. A. V. Adamovich. Avi. prom. 29 no. 2:12-16 F '63.

Steel piston rings. P. Zemskov. Avi. transp. 41 no. 2: 29-32 F '63.

PISTON RINGS—TESTING

Thermal processing of piston rings for diesel locomotives. G. V. Rubin. Trudy MITT no. 160:5-18 '62.

PISTONS

Hydraulic characteristics of a free piston. N. A. Gukasov. Azerb. neft. khoz. 41 no. 4:24-27 Ap '62.

PITUITARY BODY

Radiation reaction of the anterior lobe of the hypophysis in a frog. L. A. Kashchenko. Radiobiologiya 3 no. 1: 76-80 '63.

PITUITARY BODY—SURGERY

Study of the dynamics of vascular reactions in acute irritation of the diencephalic area during neurosurgical operations. L. P. Sudzhal'skaya. Probl. sovr. neirokhir. 4:184-202 '62.

PLACER DEPOSITS

Treatment of titanium-zirconium sands of sea origin. A. A. Nikitin and others. TSvet. met. 38 no. 2:8-15 F '63.

PLAGIOCLASE see subdivision under Monche-Tundra

PLAGIOCLASE—ANALYSIS

Accuracy in determining the composition of plagioclases by the Fedorov method. T. H. Khmaruk, I. B. Shcherbakov. Geol. zhur. 22 no. 8:80-80 '62.

PLANARIA see subdivision under Soviet Central Asia; Soviet Far East

PLANETS

Star orbits of earthly sciences. L. Cheshkova. Vokrug sveta no. 11:9-12 N '62.

PLANIMETER

Accuracy of determining area volumes from parallels on a map using a planimeter. B. S. Keifets. Izv. vys. ucheb. zav. i geod. i aerof. no. 4:83-88 '62.

PLANT BREEDING—AUDIO-VISUAL AIDS

Audio-visual aids for classes in the fundamentals of plant breeding. K. P. Lange. Shkola i protiv. 6 no. 9:78-81 S '62.

PLANT COMMUNITIES

(see also subdivision under Khibiny Mountains)
Use of partial conjugation in analyzing the structure of phytocenosis. V. I. Vasilevich. Dokl. AN SSSR 148 no. 1:214-216 Ja '63.

PLANT CUTTINGS

Auxin content of cuttings rooted under different light conditions. L. V. Runkova. Biol. Glav. bot. sada no. 45:74-80 '62.

Effect of synthetic growth promoting preparations and vitamins on the formation of roots of cuttings and ringed branches of fruit plants. M. Kh. Chailakhian, M. A. Ambartsumian, M. M. Sarkisova. Izv. AN Arm. SSR, Biol. nauki 15 no. 8:7-20 Ag '62.

Effect of the age of cuttings and the method of planting in nurseries on the yield of grape seedlings. A. Vikhrova. Sbor. stud. nauch. -issl. rab. VSKH 1 no. 1:89-93 '62.

Interaction of heteroauxin and gibberellin during the formation of roots and shoots in willow cuttings. R. Kh. Turetskaya, V. I. Kefel', E. M. Kof. Dokl. AN SSSR 148 no. 2:461-464 Ja '63.

Turetskaya, R. Kh. [Instructions for the use of growth promoting substances in the vegetative propagation of plants] Instruktia po primeneniui stimulatorov rosta pri vegetativnom razmnozhenii rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 69 p. (DNAL)

PLANT DISEASES

"Use of antibiotics in plant growing." Reviewed by G. A. Shakerian. Izv. AN Arm. SSR, Biol. nauki 15 no. 8:91-98 Ag '62.

PLANT INTRODUCTION

(see also subdivision under Azerbaijan; Batum; Tien Shan)

Plant introduction from the point of view of agronomy. A. I. Kupisov. Biol. Glav. bot. sada no. 45:27-32 '62.

PLANT LICE see subdivision under Tajikistan

PLANT LORE

Stories on "sacred" plants and animals. Vs. Krivosheina. Nauka i rel. 4 no. 1:17 Ja '63.

PLANT PHYSIOLOGY

(see also subdivision under Ukraine)

Sabinin, D. A. [Physiology of plant development] Fiziol. gita razvitiia rastenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 194 p.

PLANT PHYSIOLOGY—PERIODICALS see subdivision under Ukraine

PLANT PHYSIOLOGY—RESEARCH

New research methods in plant physiology. A. M. Smirnov, R. G. Butenko. Vest. AN SSSR 33 no. 2: 73-78 F '63.

PLANT SUCCESSION

(see also subdivision under Belaya Valley, Bashkiriya)

Succession of the main forest formations and processes of reforestation of burned areas in the Nedzvi Gorge. T. G. Bakhshtanli. Trudy Inst. lesa AN Gruz. SSR 11: 201-212 '62.

PLANT TUMORS see Tumors, Plant

PLANTERS (AGRICULTURAL MACHINERY)

Hill-marking attachment to a cotton planter. G. M. Rudakov. Nauch. trudy UzNIME no. 4:12-14 '63.

PLANTING TIME

Effect of planting time on the yield of silage corn in irrigated and unirrigated soils of the Karabakh Steppe. B. B. Grigor'ian. Trudy Inst. gen. i sel. AN Azerb. SSR 2:48-54 '62.

Effect of sowing dates for corn on the accumulation of chlorophyll in leaves. I. P. Shcherbina. Uch. zap. Kab. -Balk. gos. un. no. 11:181-184 '61.

Effect of sowing time on the biological and economic characteristics of some barley varieties grown in the Karabakh Steppe. F. A. Guseinov. Trudy Inst. gen. i sel. AN Azerb. SSR 2:34-47 '62.

Variability of the duration of organogenetic stages in tassels and ears of VIR-42, VIR-25 double cross hybrid corn, and their components under the effect of sowing dates. P. G. Luchkov. Uch. zap. Kab. -Balk. gos. un. no. 11:133-155 '61.

PLANTS—ASSIMILATION

C₀ fixation by potato leaves in the dark. A. T. Mokronosov. Dokl. AN SSSR 147 no. 5:1226-1229 D '62.

PLANTS—CHEMICAL ANALYSIS

(see also subdivision under Darwin Preserve)

Characteristics of the storage of reserve substances in the underground organs of some perennial early spring plants [with summary in English]. IU. O. Porvova. Ukr. bot. zhur. 19 no. 6:70-76 '62.

Chemical variability of the seed progeny in the Turkmen lemon wormwood. O. N. Gogol'. Trudy po khim. prirod. soed. no. 3:185-191 '60.

Determining carbohydrates and soluble nitrogen compounds in a single batch of vegetative material. N. I. Iastrebovich, F. L. Kalinin. Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast. no. 23:110-131 '62.

Forms of the nitrogen and protein fractions of the grain of corn subspecies grown in Moldavia. P. A. TSurkan. Trudy po khim. prirod. soed. no. 3:109-172 '60.

Nitrogen containing substances of the green bulk and seeds of horse beans (Vicia faba) as related to the stages of their development. V. G. Klimenko, A. D. Berezovikov. Trudy po khim. prirod. soed. no. 3:145-157 '60.

Protein and nonprotein nitrogen of the grain and green bulk of corn and sorgo. P. A. TSurkan. Trudy po khim. prirod. soed. no. 3:129-143 '60.

Protein and nonprotein nitrogen of the green bulk of lentils and vetch at various phases of their development. V. G. Klimenko, L. P. Stasova. Trudy po khim. prirod. soed. no. 3:66-74 '60.

Protein and nonprotein nitrogen of the seeds and green bulk of pea varieties. R. I. Pirogina. Trudy po khim. prirod. soed. no. 3:99-120 '60.

Proteins and nonprotein nitrogen containing substances in the seeds and green bulk of some vetching species. V. G. Klimenko, IU. IA, Gofman, T. A. Baranova. Trudy po khim. prirod. soed. no. 3:27-39 '60.

Proteins and nonprotein nitrogen in the grain and green bulk of chick-peas. V. G. Klimenko, B. I. Sholkovskals. Trudy po khim. prirod. soed. no. 3:150-167 '60.

Variability in the content of protein and nonprotein nitrogen in the grain and green bulk of some Vigna varieties (Vigna Savit). V. G. Klimenko, G. B. Dremova. Trudy po khim. prirod. soed. no. 3:173-193 '60.

Variability of chemical characters in Mentha sachalinensis. Report No. 2: Variability in free transpollination. A. G. Nikolaev, N. I. Shilikina. Trudy po khim. prirod. soed. no. 3:57-64 '60.

Variability of chemical characters in Mentha sachalinensis. Report No. 3: Variability in self-pollination. A. G. Nikolaev, L. Galanova. Trudy po khim. prirod. soed. no. 3:121-127 '60.

Variability of chemical characters in Mentha sachalinensis. Report No. 4: Variability in propagation by seeds. A. G. Nikolaev. Trudy po khim. prirod. soed. no. 3:11-26 '60.

Variability of the content of protein and nonprotein nitrogen in the grain and green bulk of some phaseolus varieties (Ph. vulgaris L.). T. V. Varennikova, V. G. Klimenko. Trudy po khim. prirod. soed. no. 3:83-97 '60.

Variability of the content of protein and nonprotein nitrogen in the green bulk of gourds. M. V. Alekseeva. Trudy po khim. prirod. soed. no. 3:75-82 '60.

Variability of the content of protein and nonprotein nitrogen in the vegetative organs and grain of some Phaseolus species. V. V. Salanova. Trudy po khim. prirod. soed. no. 3:41-55 '60.

PLANTS—FROST RESISTANCE

Characteristics of the organogenesis of apical cones in winter crops differing in their winter hardiness. N. P. Batygin. Biol. nauch. -tekhn. inform. SZNIISKH no. 3:47-49 '63.

Role of oligosaccharides and their dynamics in evaluating the winter hardiness of various forms of winter wheat and rye. M. I. Rybnikova. Dokl. AN SSSR 148 no. 1:217-218 Ja '63.

PLANTS—HYBRIDIZATION see Hybridization, Vegetable

PLANTS—METABOLISM

Effect of the nature of metabolism in stems and reproductive organs on the productivity of wheat. N. I. Iastrebovich, F. L. Kalinin, M. S. Shalaba. Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast. no. 23:108-118 '62.

PLANTS—NUTRITION

Foliar nutrition of sugar beets and photosynthesis. D. Safitova. Sbor. stud. nauch. -issl. rab. VSKH 1 no. 1:63-65 '62.

Using the leaf-diagnosis method to determine the supply of nitrogen, phosphorus, and calcium in the ramie plant. V. M. Kostikov. Dokl. AN Tadzh. SSR 3 no. 5:45-47 '60.

PLANTS—RESPIRATION

Device for determining the energy of plant respiration. F. L. Kalinin, N. I. Iastrebovich. Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast. no. 23:34-37 '62.

PLANTS—WATER REQUIREMENTS

Water balance of ephemeral spring herbaceous plants in an oak forest [with summary in English]. T. K. Goryshina. Vest. LGU 18 no. 3:54-64 '63.

PLANTS, CULTIVATED

Grum-Grzhimailo, A. G. [In search of the plant resources of the world; some scientific results of Academician N. I. Vavilov's travels] V polskakh rastitel'nykh resursov mira; nekotorye nauchnye itogi putesthestviy akademika N. I. Vavilova. Moskva, Izd-vo Akad. nauk SSSR, 1962. 147 p. (Akademika nauk SSSR. Nauchno-popularnaia seriya)

[Plant culture] Ref. zhur. : Rast. nos. 2-3, 5-6 Ja-Mr '63.

PLANTS, EFFECT OF ARIDITY ON

Drought resistance of tree species in the steppe. M. L. Branovitskii, O. M. Poptsov. Izv. vya. ucheb. zav. ; tea. zhur. 5 no. 5:170-172 '62.

PLANTS, EFFECT OF BORON ON

Effect of boron and manganese on the yield of table root crops [with summary in English]. V. P. Deeva. Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz. no. 1:311-325 '60.

PLANTS, EFFECT OF FUMARIC ACID ON

Effect of succinic and fumaric acids on the growth, development, and yield of radishes and cucumbers. L. V. Gavrilova. Biol. Glav. bot. sada no. 45:98-101 '62.

PLANTS, EFFECT OF GAMMA RAYS ON

Effect of Co⁶⁰ gamma irradiation of tubers before planting on the yield and vitamin C content of potatoes. M. M. Berezina and others. Radiobiologiya 3 no. 1:139-142 '63.

PLANTS, EFFECT OF HYDROGEN-ION CONCENTRATION ON

Development of corn at different pH of the nutrient medium. S. S. Andreevko. Dokl. AN SSSR 147 no. 6:1223-1226 D '62.

PLANTS, EFFECT OF IRON ON

Iron accumulation in some water plants and its protective role. G. F. Trubitskii. Biol. Glav. bot. sada no. 46:104-106 '62.

PLANTS, EFFECT OF LIGHT ON

Auxin content of cuttings rooted under different light conditions. L. V. Runkova. Biol. Glav. bot. sada no. 45:74-80 '62.

Changes of the amino acid composition of tobacco leaves and root system in darkness [in Armenian with summary in Russian]. E. S. Avundzhian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:27-35 '62.

Effect of gibberellin in conjunction with colored light on the development of vegetative and reproductive organs in tomatoes; morphological characteristics [with summary in English]. I. A. S. Modylevs'kiy, L. K. Dzulbenko. Ukr. bot. zhur. 10 no. 6:3-12 '62.

Organic nutrients of *Scenedesmus quadricauda* (Turp.) Breb. under various light conditions [with summary in English]. L. H. Lytvynenko. Ukr. bot. zhur. 10 no. 6:64-69 '62.

PLANTS, EFFECT OF LIME ON

Effect of various amounts of lime on the physiological processes and biochemical composition of clover [with summary in English]. G. N. Slasina. Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz. no. 1:237-256 '60.

PLANTS, EFFECT OF MANGANESE ON

Effect of boron and manganese on the yield of table root crops [with summary in English]. V. P. Deeva. Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz. no. 1:311-325 '60.

PLANTS, EFFECT OF PHOSPHORUS ON

Amounts of radioactive phosphorus in pot experiments with spring wheat and the effect of radioactive radiation on its productivity [with summary in English]. V. M. Motkin, V. A. Rabinovich. Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz. no. 1:163-171 '60.

Effect of phosphorus fertilizers on the increase of seed yields of some perennial grasses under conditions of vertical zonality in the Kabardino-Balkar A. S. S. R. I. G. Butov. Uch. zap. Kab. -Balk. gos. un. no. 11:185-192 '61.

Phosphorus nutrition of corn as related to the methods of fertilizing [with summary in English]. N. M. Vishniakova. Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz. no. 1:150-162 '60.

PLANTS, EFFECT OF RADIATION ON

Effect of ionizing radiation on the action of enzymes and the process of photosynthesis in cotton leaves [in Azerbaijani with summary in Russian]. A. Kh. Tagizade. Trudy Inst. gen. i sel. AN Azerb. SSR 2:69-75 '62.

PLANTS, EFFECT OF RADIOACTIVITY ON

Amounts of radioactive phosphorus in pot experiments with spring wheat and the effect of radioactive radiation on its productivity [with summary in English]. V. M. Motkin, V. A. Rabinovich. Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz. no. 1:163-171 '60.

Guliakh, I. V., and E. V. Iudinseva. [Radioactive fission products in soils and plants] Radioaktivnye produkty deleniya v pochve i rasteniyakh. Moskva, Gosatomizdat, 276 p.

PLANTS, EFFECT OF RADIUM ON

Growth and development of *Vicia faba* L. under the conditions of increased content of U and Ra. P. P. Vavilov and others. Radiobiologiya 3 no. 1:132-138 '63.

PLANTS, EFFECT OF SALTS ON

Characteristics of the anatomical structure of leaves of *Phragmites communis* Trin. growing on saline soils [with summary in English]. V. H. Nikolaevskiy. Ukr. bot. zhur. 10 no. 6:77-81 '62.

Toxicity of various concentrations of soil solutions in the Baraba Lowland [with summary in English]. P. I. Shavrygin. Pochvovedenie no. 1:85-91 Ja '63.

PLANTS, EFFECT OF SODIUM AZIDE ON

Effect of thermal hardening on the resistance of plant cells to sodium azide. A. G. Lomazin. Dokl. AN SSSR 148 no. 3:735 Ja '63.

PLANTS, EFFECT OF SUCCINIC ACID ON

Effect of succinic and fumaric acids on the growth, development, and yield of radishes and cucumbers. L. V. Gavrilova. Biol. Glav. bot. sada no. 45:98-101 '62.

PLANTS, EFFECT OF TEMPERATURE ON

Effect of thermal hardening on the resistance of plant cells to sodium azide. A. G. Lomazin. Dokl. AN SSSR 148 no. 3:735 Ja '63.

Obtaining a high yield of cucumbers in strip cropping under a polyamide film. Z. I. Bychkova. Biol. nauch. -tekh. inform. SZNISKH no. 3:17-18 '68.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of trace elements on the yield and quality of Early Rose potatoes. V. Shlenkova. Shor. stud. nauch. -issl. rab. VSKHI 1 no. 1:117-121 '62.

PLANTS, EFFECT OF URANIUM ON

Growth and development of *Vicia faba* L. under the conditions of increased content of U and Ra. P. P. Vavilov and others. Radiobiologiya 3 no. 1:132-138 '63.

PLANTS, EFFECT OF VITAMINS ON

Effect of synthetic growth promoting preparations and vitamins on the formation of roots of cuttings and ringed branches of fruit plants. M. Kh. Chailakhian, M. A. Ambersumian, M. M. Sarkisova. Izv. AN Arm. SSR. Biol. nauki 15 no. 8:7-20 Ag '62.

PLANTS, EFFECT OF X RAYS ON

Increasing potato yields by treating potato tubers with X-rays before planting [in Armenian with summary in Russian]. T. S. M. Avakian, S. S. Semerdzhian, R. R. Atinian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:21-26 '62.

PLANTS, FLOWERING OF

(see also subdivision under *Transcarpathia*)

Phenological map of the beginning of the chokecherry (cherry of the south) flowering in the U. S. S. R. V. A. Batmanov. Sb. geog. sbor. no. 1:203-210 '62.

PLANTS, MOTION OF FLUIDS IN

Translocation of heavy water in plants. I. U. A. Poliakov, N. S. Gormogonova. Trudy DZG no. 7:137-145 '61.

PLANTS, ORNAMENTAL see subdivision under *Latvia*; *Turkmenistan*; *White Russia*

PLANTS, PROTECTION OF

Measures for the protection of plants. F. P. Voronov. Shkola i prodzv. 7 no. 1:63-65 Ja '63.

PLANTS, SPACE ARRANGEMENT OF

Row crops planted in checkrowed clusters. V. M. Babakov and others. Shor. nauch. rab. Nauch. -issl. inst. sel'khoz. TSentr. -chern. pol. 2 no. 1:67-75 '60.

PLASMA (IONIZED GASES)

Coherent interaction between an electron beam and a plasma. I. F. Kharchenko. Atom. energ. 14 no. 3:314-315 Mr '63.

Diffusion of charged plasma particles in a high magnetic field affecting collisions between particles. V. E. Golant. Zhur. tekh. fiz. 33 no. 1:3-18 Ja '63.

Effect of an interelectrode cesium plasma on the characteristics of a thermionic converter. N. D. Morgulia, I. U. P. Korchevov. Zhur. tekh. fiz. 32 no. 12:1487-1489 D '62.

Excitation of electromagnetic waves in a plasma where electrons have a directional velocity relative to ions. V. G. Makhan'kov. Zhur. tekh. fiz. 32 no. 12:1484-1486 D '62.

Fluctuation of an electromagnetic field in a nonequilibrium plasma [with summary in English]. L. S. Bogdankevich, A. A. Rukhadze, V. P. Silin. Izv. vya. ucheb. zav. ; radiofiz. 5 no. 6:1003-1103 '62.

Hydrodynamic approximation for an ionized gas in a high electric field. V. M. Elconskii, V. M. Zhdanov. PMTF no. 1:26-31 Ja-F '63.

Interaction between pulsed heavy-current beams and a plasma in a magnetic field. A. K. Berezina and others. Atom. energ. 14 no. 3:249-256 Mr '63.

On some one-dimensional unsteady motions of a charged gas [with summary in English]. V. A. Levin. Vest. Mosk. un. Ser. I:Mat., mekh. no. 6:65-69 N-D '62.

On the statistical theory of turbulence in a plasma. I. U. L. Klimontovich. PMTF no. 1:14-23 Ja-F '63.

Passage of fast particles through a magnetoactive plasma [with summary in English]. V. N. Tsytoich. Izv. vya. ucheb. zav. ; radiofiz. 5 no. 6:1076-1082 '62.

Possible use of a helium condensation pump in pumping out magnetic traps. E. S. Borovik, F. I. Busol, V. A. Kovalenko. Zhur. tekh. fiz. 33 no. 1:100-104 Ja '63.

Radiation of an electron moving along a spiral in a magnetoactive plasma. Part 2. V. I. Pakhomov, K. N. Stepanov. Zhur. tekh. fiz. 33 no. 1:43-50 Ja '63.

Radiation of nonequilibrium plasma [with summary in English]. F. V. Bunkin. Izv. vya. ucheb. zav. ; radiofiz. 5 no. 6:1062-1071 '62.

Some problems in magneto-gas dynamics of a quasi-one-dimensional plasma flow. Part 2. V. S. Erofeev, I. U. V. Sanochkin. Zhur. tekh. fiz. 33 no. 1:73-79 Ja '63.

Stability of a cylindrical plasma stream in a magnetic field. L. S. Solov'ev. Dokl. AN SSSR 147 no. 5:1071-1074 D '62.

Statistical theory of homogeneous isotropic turbulence in a relativistic plasma. I. U. L. Klimontovich. Dokl. AN SSSR 147 no. 5:1063-1068 D '62.

Steady states of a high-temperature plasma. A plasma column in a longitudinal magnetic field. E. F. Tkatch, V. S. Tkatch. Zhur. tekh. fiz. 32 no. 12:1418-1427 D '62.

Structure of a shock wave in a nonequilibrium plasma. A. P. Kazantsev. PMTF no. 1:32-37 Ja-F '63.

Symposium on the stability of plasma. B. B. Kadomtsev. Vest. AN SSSR 33 no. 2:101-102 F '63.

PLASMA OSCILLATIONS

Interaction between an electron beam and a plasma in a magnetic field. Part 1: "Longitudinal" oscillations. E. A. Pashitskii. Zhur. tekh. fiz. 33 no. 1:51-57 Ja '63.

Interaction between an electron beam and a plasma in a magnetic field. Part 2: "Transverse" oscillations. E. A. Pashitskii. Zhur. tekh. fiz. 33 no. 1:58-64 Ja '63.

PLASTERING

Efficient methods for finishing work. A. Shepelev. Sel. stroi. 15 no. 3:29-30 Mr '60.

Potentials for lowering labor input on finishing operations. L. I. Usin, Z. Tsimmerman. Na stroi. Ros. 3 no. 3:10-11 Mr '62.

PLASTERING—COLD WEATHER CONDITIONS

Doing exterior finishing work in winter. G. K. Shehtov. Gor. khoz. Mosk. 36 no. 2:14-16 F '62.

PLASTIC FILMS see subdivision under *United States*

PLASTIC PIPE see *Pipe, Plastic*

PLASTIC SURGERY see *Surgery, Plastic*

PLASTICITY

Applicability of some plasticity theories for describing complex processes of loading [with summary in English]. R. A. Vasin, T. D. Karimbaev. Vest. Mosk. un. Ser. I:Mat., mekh. no. 6:62-64 N-D '62.

Integrating equations for the plane deformation of a totally plastic body. V. I. Kolos. Izv. AN SSSR. Otd. tekh. nauk. Mekh. i mashinostr. no. 1:171-173 Ja-F '63.

Inverse elastoplastic problem under plane deformation conditions. G. P. Cherepanov. Izv. AN SSSR. Otd. tekh. nauk. Mekh. i mashinostr. no. 1:57-60 Ja-F '63.

Method of additional deformations in problems of the plasticity theory. I. A. Birger. Izv. AN SSSR. Otd. tekh. nauk. Mekh. i mashinostr. no. 1:47-56 Ja-F '63.

Plane flow of a rigid-plastic medium in a well greased long channel. O. D. Grigor'ev. PMTF no. 1:115-117 Ja-F '63.

Plastic deformation in the total deformation of a sheet produced by rollers. B. I. Drulmanov. PMTF no. 1:117-120 Ja-F '63.

Triaxial tension of an elastoplastic space weakened by a spherical hollow. T. D. Semykina. Izv. AN SSSR. Otd. tekh. nauk. Mekh. i mashinostr. no. 1:173-177 Ja-F '63.

PLASTICIZERS

Thermal effect produced by the solution of polymers as dependent on the nature of the solvent. M. P. Zverev, S. P. Ruchinskii, P. I. Zubov. Dokl. AN SSSR 149 no. 1:128-130 Mr '63.

PLASTICS

(see also subdivision under *Czechoslovakia*)

Application of certain plastics in restoration. I. A. Kas'ianenko. Soob. VTSNILKR no. 3:29-32 '60.

Application of imitation properties of plastics in restoration. A. P. Sheptikov. Soob. VTSNILKR no. 3:33-36 '60.

PLASTICS (Continued)

- Hygienic evaluation of plastic floor coverings. K. Stankevich. Zhil.stroi. no. 1:12-13 '63.
- Introduce plastics into industrial construction. I. Stessel. Na stroi, Ros. 3 no. 3:17-18 Mr '62.
- Plastics in construction abroad. I. M. Zolotnitskii. Opyt zarub. stroi. no. 1:48-123 '61.
- Plastics in the manufacture of electric locomotives. D. P. Ershov. Elek. i tepl. tizh. 7 no. 1:7-9 Ja '63.
- Poliakova, V. I., and I. B. Kuznetsova. [Manufacture of toys from plastics] Proizvodstvo igrushek iz plasticheskikh mass. [Leningrad] Gosmestpromizdat, 1962. 318 p.
- Preparation of heat-insulating plastics based on mineral and glass wool. K. E. Gorialnov. Plast. massy no. 1:39-43 '63.
- Prospects for the development of reinforced concrete in connection with the use of new synthetic materials. S. Davydov. Sov. arkh. no. 1:41-50 '62.
- Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Plastic containers; types, parameters, and principal dimensions; MN 3206-02 - MN 32-7-62] Sosudy iz plastmass; tipy, parametry i osnovnye razmery (MN 3206-02 - MN 32-7-62). Moskva, Standartgiz, 1962. 27 p. (SSSR, Normall mashinostroeniia)
- Use of plastics in car repair. B. I. Kupchikov. Zhel. dor. transp. 45 no. 2:77 F '63.
- Use of plastics in the melioration of the Meshehera depression. V. I. Antonov, V. A. Shreider. Plast. massy no. 2:47-51 '63.
- Vinyl plastic lining of pipelines. V. P. Emel'yanov. Metallurg 8 no. 2:34 F '63.

PLASTICS—BIBLIOGRAPHY see Bibliography—Plastics

PLASTICS—DICTIONARIES

- Equivalent terms (project) in three languages suggested by the Technical Committee of 61 (Plastics) of ISO for use in the field of chemistry and technology of plastics. Plast. massy no. 1:78-80 '63.

PLASTICS—MOLDING

- Demin, E. N. [Mechanization and automation of the compression molding of articles from plastic materials] Mekhanizatsiia i avtomatizatsiia pressovaniia izdelii iz plastmass. [Leningrad] Lenizdat, 1962. 192 p.
- Means of intensifying the processes of compression molding of articles made of phenoplasts. V. P. Perepelkin, I. M. Trikhanov, A. S. Sindarovskaya. Plast. massy no. 2:22-26 '63.
- Rubinshtein, T. A. [Asbobakelite friction materials with a high and stable friction coefficient. Multiple molds for pressing collectors with "voloknit" plastic] Asbobakelitovye friktsionnye materialy s vysokim i stabil'nym koefitsientom treniia. Mnogomestnye press formy dlia opressovki kollektorov voloknitem. [By] IA, IA, Lychnagin. Moskva, Fizmatgiz, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 19. No. M-58-79/2) Stability of amorphous polymers in injection molding. V. V. Lapshin, N. A. Koroleva. Plast. massy no. 1: 26-31 '63.

PLASTICS—TESTING

- Methods of defectoscopy for plastic goods. S. T. Nazarov. Zav. lab. 29 no. 1:38-38 '63.
- Performance testing of new antifriction plastics. M. Denchev. Plast. massy no. 2:66-68 '63.
- Prolonged and cyclic action of water and moist air on plastic materials. G. O. Trevos'ian, I. B. Kuznetsova. Plast. massy no. 2:52-58 '63.

PLASTICS—TOXICOLOGY

- Experimental data on the blastomogenic action of coumarone and polychlorvinyl plastics [with summary in English]. K. I. Stankevich. Vrach. delo no. 11:108-114 N '62.

PLASTICS—WELDING

- Machine for the automatic welding of vinyl plastics. K. I. Zaitsev, V. D. Strolarenko, L. V. Mamontov. Svar. proizv. no. 2:38 F '63.
- Weldability of thermoplastics. N. A. Grishin. Plast. massy no. 1:31-35 '63.

PLASTICS INDUSTRY

- Important problems in developing the plastics industry. N. Fedorenko, I. I. Aikovlev. Plan. khoz. 40 no. 3:1-10 Mr '63.
- New stage in the development of the industry of plastics and synthetic resins. Plast. massy no. 1:1 '63.
- Some balance sheets of the plastics industry operations in 1962. Plast. massy no. 2:1-2 '63.
- Specialization and concentration in the plastics industry. N. Fedorenko, M. I. Aikovlev. Sots. trud 8 no. 1:48-52 Ja '63.

PLASTICS INDUSTRY—EQUIPMENT AND SUPPLIES

- Matveev, V. F. [Semiautomatic devices for the removal of film and line from parts made of plastics] Poluavtomaty dlia sniatia obloia s detalей, izgotovlennykh iz plasticheskikh mass. Leningrad, 1962. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Pribory i elementy avtomatiki, no. 15)

PLASTICS INDUSTRY—SAFETY MEASURES—BIBLIOGRAPHY see Bibliography—Plastics industry—Safety measures

PLASTICS MACHINERY

- Automatic presses for the tableting of AG-4C molding materials. A. S. Ezhev, E. N. Skladchikov, S. N. Beliaev. Kuz. -shtani, proizv. 5 no. 2:31-35 F '63.

PLATE TOWERS

- Determination of the basic dimensions of plate rectification columns. I. A. Aleksandrov. Khim. i tekhn. topl. i masel 8 no. 1:50-58 Ja '63.
- Hydrodynamics of bubbling. D. S. Azhel'. Khim. prom. no. 11:854-857 N '62.

PLATES, IRON AND STEEL—WELDING (see also subdivision under Kazakhstan)

- Selecting elements for the corner joints of thin-sheet structures. M. N. Epstein. Sudostroenie 26 no. 2:63-64 F '63.

PLATINUM

- (see also subdivision under Kytilym region)
- Adsorption of Pu(VI) on polished platinum. A. G. Samarskaya. Radiokhimiia 5 no. 1:28-32 '63.

PLATINUM COMPOUNDS

- Acidic properties of cis- and trans-isomers of $[Pt(NH_2O)_2(Py)_2Cl_2]$. A. A. Grinberg, A. I. Stetsenko. Zhur. neorg. khim. 7 no. 12:2678-2684 D '62.
- Isomerization of inner complex salts of bivalent platinum with amino acids. L. M. Volshtein, I. O. Volodina. Zhur. neorg. khim. 7 no. 12:2685-2688 D '62.
- Reactions of thiuram with some complex compounds of platinum and palladium. A. V. Babaeva, G. V. Derblsher. Zhur. neorg. khim. 7 no. 12:2689-2692 D '62.

PLATINUM-COPPER ALLOYS see Copper-platinum alloys

PLATINUM ELECTRODES see Electrodes, Platinum

PLATINUM-NICKEL ALLOYS see Nickel-platinum alloys

PLAY

- Beginning of thematic play and its significance for the mental development of small children; the development of elementary planning ability. N. S. Pantina. Dokl. APN 6 no. 5:91-94 '62.

PLEURA—FOREIGN BODIES

- Foreign body in the pleural cavity for 15 years. The formation of an external bronchopleural fistula. V. G. Gutluk, V. V. Sichinava, A. G. Ternovenko. Klin. khir. no. 11:79-80 N '62.

PLEURA—HYDATIDS

- Echinococcus in the pleura. M. M. Zagorodskaya. Klin. khir. no. 11:83-84 N '62.

PLEURA—INNERVATION

- Nerves of the parietal pleura in artiodactyla. M. V. Ovchinnikov. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:106-110 '62.

PLEUROPERITONEUM

- Preparing and testing hyperimmune serum in infectious pleuropneumonia of goats. F. D. Lukashenko. Trudy Uz. nauch. -issl. inst. vet. 14:27-32 '61.

PLOWS

- Design of cutting knives for forest plows. E. I. Shevlev, A. I. Pakhomov. Les. khoz. 15 no. 9:76 S '62.
- High-frequency hard facing with sormite of self-dressing plowshares. V. N. Tkachev, N. V. Kazintsev. Svar. proizv. no. 1:14-16 Ja '63.
- Proposals of efficiency promoters in the improvement of plows for tilling soils in outcrops left without the removal of stumps. Les. khoz. 15 no. 9:77-79 S '62.
- The RN-4-35 mounted four-furrow plow. M. Z. Tsimmerman. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:64-65 '63.

PLUM

- Time limits for the plum trade could be extended. S. Bruev. Sov. torg. 36 no. 10:36-37 O '62.

PLUMBING

- Assembling plumbing systems. F. Teben'kov. Zhil. stroi. no. 9:22-23 '62.

- Moscow, Vsesoluznyi nauchno-issledovatel'skii institut po normalizatsii v mashinostroeni. [Steel pipe sections MN 2568-61 and MN 2570-61 - MN 2592-61 for interior sanitary engineering installations] Detali truboprovodov stal'nye dlia vnutrennikh sanitarno-tekhnicheskikh ustroistv, MN 2568-61, MN 2570-61 - MN 2592-61. Moskva, Standartgiz, 1962. 30 p. (SSSR, Normall mashinostroeniia)

- Plumber, M. Blank. Zhil. -kom. khoz. 12 no. 10:20-21 O '62.

- Rubber is a substitute for metal in sanitary engineering. T. K. Fedorov. Vod. i san. tekhn. no. 2:30-31 F '63.

PLUMBING—TRAPS

- New standard for cast-iron traps. Vod. i san. tekhn. no. 2: 29 F '63.

PLURALITY OF WORLDS

- Shklovskii, I. S. [Universe, life, reason] Vseozhnaia zhizn', razum. Moskva, Izd-vo Akad. nauk SSSR, 1962. 238 p. (Akademiia nauk SSSR, Nauchno-populnarnnaia seriia)

PLUTONIUM

- Adsorption of Pu(VI) on polished platinum. A. G. Samarskaya. Radiokhimiia 5 no. 1:28-32 '63.
- Plutonium is in the furnace. I. Nekhanukin. Sev. Sojuz no. 9:13 '62.

PLUTONIUM CRYSTALS

- Problem of the coprecipitation of plutonium with potassium sulfate. V. I. Grabenshchikova, V. N. Hobrova. Radiokhimiia 5 no. 1:9-11 '63.

PLUTONIUM OXIDES

- Oxidation of plutonium dioxide by atmospheric oxygen. E. E. Zastavker and others. Radiokhimiia 5 no. 1:11 '63.

PLYWOOD INDUSTRY—HYGIENIC ASPECTS see subdivision under Kostroma

PNEUMATIC CONTROL

- Concerning the static calculation of electropneumatic transducers using air jet response for power compensation [with summary in English]. (A. A. Tenenbaum. Avtom. i telem. 24 no. 2:255-267 F '63.

PNEUMATIC CONVEYING

- Pneumatic conveying of grain. A. F. Komarov. Spid. prom. 29 no. 1:10-22 '63.

PNEUMATIC CONVEYING—EQUIPMENT AND SUPPLIES

- Assembly of bridges for pneumatic conveying in close quarters. E. I. Golovin. Mont. i spets. rab. v stroi. 25 no. 3:13-15 Mr '63.

PNEUMATIC GAUGES

- Errors of pneumatic systems for measuring linear dimensions. A. P. Kurochkin, E. L. Noskin, F. V. Tskui-ko. Izv. tekhn. no. 2:14-16 F '63.
- Pneumatic self-balancing systems. A. P. Kurochkin, I. I. Okun'. Izv. tekhn. no. 1:10-11 Ja '63.

PNEUMATIC TOOLS

- Manual pneumatic clamps for power riveting. M. A. Rokhlenko, B. L. Smolenskii. Kuz. -shtani, proizv. 5 no. 1:42-43 Ja '63.

PNEUMONIA

(see also subdivision under Uzbekistan)

- Clinical characteristics of pneumonia during the 1959 influenza epidemic. M. Z. Rozin. Vrach. delo no. 11: 136-137 N '62.

- Phagocytic activity of the leucocytes and the protein fractions of the blood serum in chronic nonspecific pneumonia. V. N. Saperov, E. F. Saperova. Vrach. delo no. 11:22 Ja '63.

- Pneumonia causes in Karakul lambs. A. K. Sytdykov. Trudy Uz. nauch. -issl. inst. vet. 14:33-45 '61.

PNEUMOPERITONEUM, ARTIFICIAL

- Pneumoperitoneum in tumors of the abdominal cavity. F. A. Kheroblan, G. I. Martirosian, L. A. Airovetan. Vop. rent. i onk. 6:85-94 '61.

PNEUMOTHORAX

- Alekseev, U. A. [Extrapleural pneumonolysis in tuberculosis] Ekstrapleural'nyi pnevmoliz pri tuberkuleze. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 80 p. (DNLM)

- Effect of a complex of pharmacological preparations on the course of an acute, open pneumothorax in the final stage and after the revivification of the animal. Sh. S. Machavariani. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:363-369 '62.

- Surgical induction of extrapleural pneumothorax in the treatment complex for lung tuberculosis under high-mountain conditions. A. A. Terlikbaev. Zdrav. Kazakh. 22 no. 11:32-36 '62.

- Study of the changes in the volume of circulating blood during the final stages provoked by acute pneumothorax; an experimental study [in Georgian with summary in Russian]. Sh. S. Machavariani. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:331-335 '62.

PODKAMENNAYA TUNGUSKA VALLEY—METAMORPHISM (GEOLOGY)

- Phenomena of contact and near-contact metamorphism as related to trap rocks (lower Stony Tunguska Valley). A. P. Lebedev, E. D. Nedezhdina. Trudy IGEM no. 17: 257-291 '62.

PODOL'SK DISTRICT—RURAL PLANNING

- This is our village. IU. Chernyshev, V. Il'esh. Sov. Sojuz no. 3:28-33 '63.

PODPOROZH'YE—COMMUNITY CENTERS

- Let's do everything ourselves. N. Vorobeichik, T. Dement'eva. Kul't'-pros. rab. 23 no. 12:34 D '62.

PODZOL

(see also subdivision under Darwin Preserve)

Changes in the phosphate level of loamy turf-podzolic soils under the effect of plants [with summary in English], A. N. Gavrilova. *Pochvovedenie* no. 12:93-96 D '62.

Decomposition of organic-mineral compounds in Podzolic soils [with summary in English], T. V. Aristovskaya. *Pochvovedenie* no. 1:39-43 Ja '63.

Decomposition of some organic substances in turf-podzolic soils [with summary in English], B. N. Makarov, V. P. Ignatova, R. N. Khodakova. *Pochvovedenie* no. 12:68-73 D '62.

Effect of organic fertilizers on the formation of humus and nitrogen balance in loamy turf-podzolic soils [with summary in English], V. K. Mikhovskii, P. N. Vysochskina, L. V. Kotova. *Pochvovedenie* no. 12:61-67 D '62.

Fertilizing cultivated pastures on turf-podzolic soils. V. P. Mel'nichuk. *Zhivotnovodstvo* 23 no. 8:50-60 Ag '61.

New types of industrial lime waste and their effectiveness in liming Podzol soils [with summary in English], M. F. Kornilov, Z. V. Trunina, V. P. Illiukleva. *Nauch. trudy Sov. -zap. nauch. -issl. inst. sel'khoz.* no. 1:257-277 '60.

Nutrition conditions and yield of buckwheat in turf-podzolic soils [with summary in English], I. P. Rusinova. *Nauch. trudy, Sov. -zap. nauch. -issl. inst. sel'khoz.* no. 1:172-187 '60.

Water permeability of turf-podzolic soils. V. A. Chernishov. *Biul. nauch. -tekhn. inform. SZNISKH* no. 3:19-22 '56.

POETRY

Saliev, Aziz. [Life in verse; remarks on the aesthetic nature of poetry] *Zhizn' - v stikhakh; zametki ob estestvennoy prirode poezii*. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 223 p.

POETRY FOR CHILDREN see Children's poetry

POGODIN, NIKOLAI FEDOROVICH, 1900-1962

Image of V. I. Lenin in N. F. Pogodin's dramatic trilogy "Man with the rifle"; "Kremlin chimera"; "Third pathetic." P. D. Kravetski. *Uch. zap. MGPI* [174]:7-31 '61.

POISONOUS PLANTS

Pathomorphological changes in *Acroptilon pteris* poisoning. S. Sh. Shakhmatdinov. *Sud. -med. ekspert.* 6 no. 1:15-17 Ja-Mr '63.

POKROVSKII, MIKHAIL NIKOLAEVICH, 1868-1932

Some problems concerning the interpretation of historical sources in M. N. Pokrovskii's work. V. V. Kabanov. *Trudy MGAI* 16:171-180 '61.

POLAND—AERONAUTICS—COMPETITIONS

Aerial sportsman in Poland. E. Konechnyi. *Kryl. rod.* 13 no. 7:20-21 Ji '62.

POLAND—AGRICULTURE—STUDY AND TEACHING

Socially useful work of Polish school students in connection with the study of biology (from "Biologia w szkole," No. 2, 1961). I. Doboszynska. *Biul. v shkole* no. 6:67-69 N-D '62.

POLAND—BOTANY—PERIODICALS

Review of the journal "Wiadomosci botaniczne," vol. 5, nos. 1-4 1961. I. A. Dobrovolskiy. *Ukr. bot. zhur.* 19 no. 6:105-107 '62.

POLAND—CONSTRUCTION EQUIPMENT

Exhibition of Polish building and road machinery. A. Gantushin. *Avi. dor.* 25 no. 12:3 of cover D '62.

Progressive construction and road equipment. V. Eletskii. *Na stroi. Ros.* 3 no. 12:34-36 D '62.

POLAND—ECONOMIC CONDITIONS

The 18th anniversary of the people's Poland. J. Gutt. *Agitator* no. 13:23-25 Ji '62.

POLAND—ECONOMIC POLICY

With a thought about Poland's fate. Leonard Budzyn'ski. *Sov. profsoiuzy* 19 no. 4:26-27 F '63.

POLAND—EVENING AND CONTINUATION SCHOOLS

Schools for workers in the Polish People's Republic. Zbigniew Keresinski. *Vech. sred. shkola* 5 no. 5:89-90 S-O '62.

POLAND—GIFTWARES

"Yanda." S. Selivankin. *Sov. torg.* 36 no. 10:23-27 O '62.

POLAND—MATHEMATICS—TEXTBOOKS

Mathematical textbooks by N. A. Rybkin in Poland. E. M. Bol'san, R. A. Simonov. *Dokl. APN* 6 no. 5:75-78 '62.

POLAND—NATURE STUDY

Participation of our club in a contest [translated from the Polish]. M. Nemerko. *Biul. v shkole* no. 8:69-70 N-D '62.

POLAND—PHYSICS—PERIODICALS

"Fizyka w szkole," a periodical for teachers. Nos. 1-5, 1961 and nos. 1-2, 1962. Reviewed by M. I. Rozenberg. *Fiz. v shkole* 22 no. 6:90-93 N-D '62.

POLAND—PSYCHOLOGY, APPLIED

Psychology of work in Poland. V. V. Chebysheva. *Vop. psikhol.* no. 6:168-172 N-D '62.

POLAND—RELATIONS (GENERAL) WITH RUSSIA

From the history of Russo-Polish revolutionary contacts, 1893-1906. R. A. Ermolaeva. *Vop. ist. KPSS* 7 no. 2: 107-116 F '63.

POLAND—RELATIONS (GENERAL) WITH THE UKRAINE

"Cooperation between the Ukrainian S. S. R. and the Polish People's Republic, 1944-1960" by I. F. Evseev. Reviewed by P. N. O'shanskii. *Nov. i noveish. ist.* no. 6:155-157 '62.

POLAND—REVOLUTION, 1893-1904

Russo-Polish revolutionary contacts during the Revolution of 1893 [with summary in English], p. 1591. I. S. Miller. *Nov. i noveish. ist.* no. 6:71-92 '62.

POLAND—ROAD MACHINERY

Exhibition of Polish building and road machinery. A. Gantushin. *Avi. dor.* 25 no. 12:3 of cover D '62.

Progressive construction and road equipment. V. Eletskii. *Na stroi. Ros.* 3 no. 12:34-36 D '62.

POLAND—TRADE UNIONS

With a thought about Poland's fate. Leonard Budzyn'ski. *Sov. profsoiuzy* 19 no. 4:26-27 F '63.

POLAND—WAGES—RETAIL TRADE

Wage system in Poland's retail trade. E. Al'tkorn. *Sov. torg.* 36 no. 10:40-42 O '62.

POLAR REGIONS—AERIAL EXPLORATION

Air pilots in polar regions. Kryl. rod. 13 no. 7:16a and 16d Ji '62.

Where meridians meet. M. A. Filipin. *Grazhd. av.* 19 no. 10:22-25 O '62.

POLARITY (BIOLOGY)

Polarity of the development of the carrot root [with summary in English]. H. Kh. Molotkovskiy. *Ukr. bot. zhur.* 19 no. 6:55-59 '62.

POLARIZATION (ELECTRICITY)

Cathodic polarization during electrodeposition of gallium from aluminate solutions. Report No. 4. M. G. Manvelian, A. G. Eganian. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 6:501-510 '62.

Cathodic polarization of gallium deposited from gallate solutions at temperatures above the melting point of gallium. Report No. 3. M. G. Manvelian, A. G. Eganian. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 5:411-414 '62.

Solution and passivation of titanium in sulfuric acid on polarization by alternating current. I. U. N. Mikhailovskii. *Dokl. AN SSSR* 148 no. 3:617-619 Ja '63.

POLARIZATION (LIGHT)

Spatial distribution of the degree of natural light polarization in the sea. V. A. Timofeeva. *Izv. AN SSSR. Ser. geofiz.* no. 12:1843-1851 '62.

POLARIZATION (NUCLEAR PHYSICS)

Polarization of cosmic radio waves. *Priroda* 52 no. 2: 117 '63.

POLAROGRAPHY

Polarographic investigation of p-phenylbenzoic aldehyde. V. D. Bezuglyi, E. A. Preobrazhenskaya. *Zhur. ob. khim.* 33 no. 2:353-359 F '63.

Synones and synone imines. Part 16: Polarographic investigation of synone imines. V. G. Mairanovskii, L. E. Kholodov, V. G. Iashunskii. *Zhur. ob. khim.* 33 no. 2:347-353 F '63.

POLAROGRAPHY—BIBLIOGRAPHY see Bibliography—Polarography

POLESYE—AGRICULTURE

Collective farm in Polesye. A. Vialoukh. *Korm. Bel.* 37 no. 2:44-47 F '63.

POLESYE—JUNIPER

Distribution of *Juniperus communis* L. in the left-bank Polesye [with summary in English]. S. O. Mullarchuk. *Ukr. bot. zhur.* 19 no. 6:97-99 '62.

POLESYE—PHYSICAL GEOGRAPHY

Marynych, O. M. [Ukrainian Polesye; physiogeographical sketch] *Ukrains'ke Polissia; fizyko-geografichnyi narys*. Kyiv, Radians'ka shkola, 1962. 161 p.

POLESYE—WHEAT

Effect of the nature of metabolism in stems and reproduction organs on the productivity of wheat. N. I. Istremovich, F. L. Kalinin, M. S. Shalabai. *Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast.* no. 23:88-118 '62.

POLICE

What is the function of the "children's rooms" of our police stations? A. Ignatovskaya, V. Zhukov. *Sov. deput. trudy* no. 3:101-103 Mr '63.

POLIOMYELITIS

(see also subdivision under Georgia; Leningrad; Siberia, Western)

Changes in the internal organs during acute poliomyelitis [In Georgian with summary in Russian]. V. A. Simongulov, M. N. Tsutsunava, T. N. Gegiia. *Trudy Tbil. GIDUV* 6:173-177 '62.

Kogan, D. A. [Poliomyelitis] *Poliomielit*. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1956. 74 p. (U)

POLIOMYELITIS—CASES, CLINICAL REPORTS, STATISTICS see subdivision under Leningrad

POLIOMYELITIS—VACCINATION

Results of the study of the safety and immunological effectiveness of simultaneous vaccinations with live vaccines against poliomyelitis and mumps. N. V. Galko, L. M. Kurnosova, G. P. Malinina. *Trudy Len. inst. epid. i mikrobiol.* 22:86-93 '61.

POLIOMYELITIS VACCINE

Reactogenic and immunogenic characteristics of simultaneous vaccination conducted with a live antipoliomyelitis vaccine and a killed poliomyelitis vaccine. E. S. Shikina, L. M. Boichuk, L. M. Kurnosova. *Trudy Len. inst. epid. i mikrobiol.* 19:115-123 '59.

POLIOMYELITIS VIRUSES

(see also subdivision under Leningrad)

Data on the virological characteristics of isolated facial pareses. O. A. Rodshtein, R. M. Pratushevich. *Trudy Len. inst. epid. i mikrobiol.* 19:141-149 '59.

POLISH LANGUAGE—STUDY AND TEACHING

Teaching the native language in Poland. M. Jaworski. *Rus. iaz. v shkole* 24 no. 1:88-94 Ja-F '63.

POLISH LITERATURE—HISTORY AND CRITICISM

Our social role. Ryszard Matuszewski. *Vop. lit.* 6 no. 12:116-124 D '62.

POLISH NEWSPAPERS

"Nowa trybuna," a Polish brother in arms of the Bolshevik "Pravda." A. I. A. Manusevich. *Vop. ist. KPSS* 7 no. 1:86-90 Ja '63.

POLISH WOMEN see Women, Polish

POLITICAL CRIMES AND OFFENSES see subdivision under Greece

POLITICAL PRISONERS, GREEK

Comité des réfugiés politiques Grécs "Pour la Démocratie en Grèce." [For an amnesty in Greece. Translated from the French] *Za amnistii v Gretsii*; *Izdanie Komiteta grecheskikh politimigrantov "Za demokratiiu v Gretsii."* Moskva, Izd-vo Inostr. lit-ry, 1962. 120 p.

POLITICAL PRISONERS, PORTUGUESE

A country of sorrow, tears and courage. N. Egorova. *Rabotnitsa* 40 no. 3:22 Mr '62.

The movement for an amnesty for Portuguese political prisoners. K. Gorshenin. *Sov. iust.* no. 3:4-5 F '63.

POLITICAL SCIENCE—STUDY AND TEACHING

(see also subdivision under Sverdlovsk Province)

Let's raise the level of political knowledge. I. Veresoka. *Prof. -tekhn. obr.* 20 no. 2:10-21 F '63.

Model planning of the section "Basic law of the Soviet socialist state" in the elementary course on the history of the U. S. S. R. for the second semester of the 1962-1963 school year. *Prep. ist. v shkole* 18 no. 1:69-72 Ja-F '63.

"Studying the topic 'Marxism-Leninism as a theoretic basis of the development of communism' in the course 'Fundamentals of political science'" by V. V. Boikov; "Studying the topic 'Socialism as the first phase of communism'" by V. V. Boikov and others. Reviewed by I. A. Povarkov. *Prep. ist. v shkole* 17 no. 6:103-104 N-D '62.

POLLEN—STORAGE

Viability and the conditions of a prolonged storage of the pollen of ornamental flowering plants. V. N. Bylov, N. G. Grinkevich. *Biul. Glav. bot. sada* no. 45:38-46 '62.

POLONIUM—PHYSIOLOGICAL EFFECT

Water-soluble adenosinetriphosphate in the organs of rats affected by polonium. M. G. Zetova. *Radiobiologiya* 3 no. 1:21-23 '63.

POLOUSNYY RANGE REGION—GEOLOGY, STRUCTURAL

Tectonics of the region of gentle dislocations in the southwestern spurs of the Polouny Range in the northeastern U. S. S. R. G. I. Mikhnev, K. V. Iablokov. *Izv. AN SSSR. Ser. geol.* 28 no. 2:30-38 F '63.

POLTAVA—LOCOMOTIVE WORKS

Experience of the Poltava Locomotive Repair Plant in the cementation of parts. O. V. Kisel'nikova. *Trudy MIIT* no. 160:18-26 '62.

POLTAVA—MEAT INDUSTRY—EQUIPMENT AND SUPPLIES

"Come to visit us and see." N. Tatarskaya. *Sov. profsoiuzy* 19 no. 4:14-15 F '63.

POLTAVA—TRADE UNIONS—OFFICERS

"Come to visit us and see." N. Tatarskaya. *Sov. profsoiuzy* 19 no. 4:14-15 F '63.

POLTAVA DISTRICT—EDUCATION, COOPERATIVE

Our news stories. *Ukraina* no. 13:13 J1 '62.

POLTAVA PROVINCE—BEEF CATTLE—FEEDING AND FEEDS

Fattening cattle at intercollective farm fattening stations. A. A. Kolesnik, I. T. Nechval'. *Veterinaria* 37 no. 7: 18-21 J1 '60.

POLTAVA PROVINCE—CONSTRUCTION INDUSTRY

How our business accounting group of construction specialists works. A. Pas'ko. *Sti'l bud.* 13 no. 2:8-9 F '63.

POLYAMIDES

Fractional composition of polyamides obtained at the interface under static conditions. T. I. Shein, N. D. Katorzhnov, G. I. Kudriavtsev. *Khim. volok.* no. 1: 17-19 '63.

POLYAMIDES—TESTING

Creep and relaxation of the polyamide resin 68 under conditions of a uniaxial tensile test. M. A. Koltunov, V. N. Bezukhov. *Plast. massy* no. 2:31-36 '63.

POLYCHAETA

Neural somite of the polychaete *Harmothoe imbricata*. M. M. Romm. *Uch. zap. Kaz. un.* 120 no. 6:33-51 '60.

POLYETHYLENE

Pigmented polyethylene films. G. F. Mochkina, N. N. Samosatskii. *Plast. massy* no. 1:43-45 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po khimii. [Temporary technical specifications for molded parts made of polyethylene of high density (low pressure) for delivery pipes made of polyethylene; MRTU 6 No. M-855-61] *Vremennye tekhnicheskie uslovia na fazonnye chasti iz polietilena vysokoi plotnosti (nizkogo davleniia) dlia napornykh polietilennykh truboprovodov; MRTU 6 No. M-855-61.* Moskva, Gosstroizdat, 1962. 19 p.

Viscosity of polyethylene melts. T. V. Druzhinina, A. A. Konkina, G. V. Vinogradov. *Khim. volok.* no. 1: 25-29 '63.

POLYETHYLENE CRYSTALS

Thermomechanical properties of crystalline polymers. Part 1: Polyethylene [with summary in English]. I. A. Maigeldinov, K. I. TS'ur. *Vysokom. soed.* 5 no. 2: 243-251 F '63.

POLYMER CRYSTALS

Thermomechanical properties of crystalline polymers. Part 2: Polymer of 3, 3-bis (chloromethyl) oxacyclobutane [with summary in English]. I. A. Maigeldinov, K. I. TS'ur. *Vysokom. soed.* 5 no. 2:252-257 F '63.

POLYMERIZATION

Automatic batching of titanium dioxide suspensions in the process of continuous polymerization of caprolactam. A. K. Grishchenko and others. *Khim. volok.* no. 1:57-60 '63.

Carbonium polymerization of polyester acrylates. T. E. Lipatova, A. A. Berlin. *Dokl. AN SSSR* 148 no. 2:353-358 Ja '63.

Comparison of the reactivity of allylbenzene and allylcyclohexane during polymerization on a chromia catalyst. A. V. Topchiev, E. A. Mushina, A. I. Porol'man. *Neftekhimiiia* 3 no. 1:74-81 Ja-F '63.

Copolymerization of vinyl acetate with 1, 3-dichloro-2-butene and the transformations of the copolymer obtained. A. A. Durgarian, A. S. Origorlan, O. A. Chalykian. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 5: 455-461 '62.

Copolymers of unsaturated glycidol esters. Copolymerization of glycidyl methacrylate with styrene. M. F. Sorokin, I. M. Kochnov. *Plast. massy* no. 1:7-11 '63.

Cyclic polymerization and copolymerization. Part 11: Polymerization of some substituted 1, 6-heptadienes in the presence of radical initiators [with summary in English]. S. G. Matsolan and others. *Vysokom. soed.* 5 no. 2:183-187 F '63.

Cyclic polymerization and polymerization. Report No. 18: Synthesis and study of radical polymerization of divinyl mercaptals and divinyl mercaptates. S. G. Matsolan, A. A. Saakian. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 5:463-472 '62.

Cyclic polymerization and copolymerization. Report No. 19: Radical polymerization of some substituted 1, 6-heptadienes. S. G. Matsolan and others. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 6:541-551 '62.

Determination of the average degree of polymerization of cellulose in the complex solution iron-tartaric acid-sodium hydroxide. E. A. Nikonova, A. P. Sokolova, L. Z. Gurvich. *Khim. volok.* no. 3:43-44 '62.

Divinylacetylene and its halo derivatives. Report No. 12: Copolymerization of trans-2, 3, 4, 5-tetrachloro-1, 3, 5-hexatriene with isoprene, chloroprene, and methyl vinyl ketone. G. E. Kravtchuk, E. G. Sinanian, A. N. Akopian. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 6:527-533 '62.

Effect of the nature of ether on the copolymerization of styrene and divinyl by butyllithium [with summary in English]. S. P. Mitsengender and others. *Vysokom. soed.* 5 no. 2:212-216 F '63.

Fractional composition of polyamides obtained at the interface under static conditions. T. I. Shein, N. D. Katorzhnov, G. I. Kudriavtsev. *Khim. volok.* no. 1: 17-19 '63.

Kinetics and mechanism of the initiation of ethylene polymerization on a soluble Ziegler-type complex catalyst. L. P. Stepovik, A. K. Shikova, A. E. Shilov. *Dokl. AN SSSR* 148 no. 1:122-125 Ja '63.

Polycondensation at the gas-liquid interface. Part 3: Gas phase synthesis of polyoxamides in organic media [with summary in English]. L. B. Sokolov, A. S. Astakhova. *Vysokom. soed.* 5 no. 2:178-182 F '63.

Polymerization and properties of polymers of bicyclic oxetanes. Part 1 [with summary in English]. S. Penczek, A. A. Vansheidt. *Vysokom. soed.* 5 no. 2: 288-301 F '63.

Polymerization of allylcyclopentane in the presence of the catalytic system $TiCl_4 + Al(iso-C_4H_9)_3$. A. V. Topchiev, L. V. Osipova, E. L. Fantalova. *Dokl. AN SSSR* 147 no. 5:1098-1101 D '62.

Polymerization of butadiene with acrylonitrile in the presence of redox systems. B. E. Kutsenok and others. *Kauch. i rez.* 22 no. 2:1-4 F '63.

Polymerization of propylene on silicotungstic catalysts. B. G. Vol'pova, L. I. Ogloblina. *Khim. i tekh. topl. i masel* 8 no. 1:19-24 Ja '63.

Polymerizable oligomers. A. A. Berlin, T. I. A. Kefell, G. V. Korolev. *Khim. prom.* no. 12:870-880 D '62.

Reaction involved in the formation of polybenzimidazoles. V. V. Korshak and others. *Dokl. AN SSSR* 149 no. 1: 104-108 Mr '63.

Recent developments in radiation polymerization. I. M. Barkalov, V. I. Gol'danskii. *Khim. prom.* no. 12:859-864 D '62.

Ring copolymerization. Part 1: Copolymerization of α -piperidone with ϵ -caprolactam [with summary in English]. A. V. Volokhina and others. *Vysokom. soed.* 5 no. 2:206-211 F '63.

Stereoregular polymers. B. A. Krents'ii. *Khim. prom.* no. 12:864-870 D '62.

Synthesis and polymerization of bis and tris (trialkylsiloxy) tin methacrylate [with summary in English]. K. A. Andrianov, M. N. Ermakova. *Vysokom. soed.* 5 no. 2:217-221 F '63.

Synthesis of isoprene from propylene. Part 1: Analysis of aluminum alkyls in the process of propylene dimerization. V. Sh. Feldblum and others. *Neftekhimiiia* 3 no. 1:13-19 Ja-F '63.

POLYMERIZATION—MEASUREMENT

Apparatus for the thermometric measurement of the rate of film-formation. G. V. Korolev, M. M. Mogilevich, V. S. Radugin. *Lokokras. mat. i kh. prim.* no. 1:57-60 '63.

POLYMERS

Adhesion of thermosetting polymers to glasses [with summary in English]. V. E. Gul' and others. *Vysokom. soed.* 5 no. 2:269-273 F '63.

Aging of polyolefins. Thermal oxidative degradation of polyolefins. E. N. Matveeva and others. *Plast. massy* no. 1:2-7 '63.

Andrianov, K. A. [Polymers with inorganic main chains of molecules] *Polimery i neorganicheski glavnyi tepiani molekul.* Moskva, Izd-vo Akad. nauk SSSR, 1962. 326 p.

Application of polymers in restoration. O. K. Koshevol. *Soob. VTSNILKR* no. 3:5-28 '60.

Certain problems in the chemistry of polymers with a system of conjugation. A. A. Berlin. *Khim. prom.* no. 12:881-886 D '62.

Characteristics of the properties of homo- and copolymers of 2-methyl-5-vinylpyridine obtained by the methods of light scattering and viscosimetry. A. V. Topchiev and others. *Neftekhimiiia* 3 no. 1:90-93 Ja-F '63.

[The chemistry and technology of polymers; translations from foreign periodical literature] *Khim. i tekh. polim.; sbor. perev. iz inostr. period. lit.* 7 nos. 2-3 '63.

Combination of penicillins with water soluble polymers. S. N. Ushakov, E. F. Panarin. *Dokl. AN SSSR* 147 no. 5:1102-1104 D '62.

Compensation effect for the electric conductance of crystalline polymer dielectrics. B. I. Sazhin, N. G. Podosenova. *Dokl. AN SSSR* 148 no. 3:627-629 Ja '63.

Conformation of isotactic polymers [with summary in English]. N. P. Borisova, T. M. Birshtein. *Vysokom. soed.* 5 no. 2:279-286 F '63.

Coordination polymers. N. G. Matveeva. *Khim. prom.* no. 12:897-912 D '62.

Interaction between polymers and fillers. Part 7: Glass transition point and packing densities of filled polystyrene and polymethyl methacrylate [with summary in English]. I. U. S. Lipatov. *Vysokom. soed.* 5 no. 2:280-285 F '63.

Method for the determination of the degree of hardening of polymers. A. S. Freidin, L. B. Orlova. *Plast. massy* no. 1:72-73 '63.

Polyorganoborosiloxanes. K. A. Andrianov and others. *Plast. massy* no. 1:21-25 '63.

Preparation of graft copolymers. Part 12 [with summary in English]. V. V. Kotshak and others. *Vysokom. soed.* 5 no. 2:171-175 F '63.

Synthesis of polymeric soil conditioners. M. N. Savitskaia, I. U. D. Kholodova, V. I. A. Beletskaya. *Nauch. trudy Ukr. nauch.-issl. inst. fiziol. rast.* no. 23:200-204 '62.

Thermal effect produced by the solution of polymers as dependent on the nature of the solvent. M. F. Zverev, S. P. Ruchinskii, P. I. Zubov. *Dokl. AN SSSR* 149 no. 1: 120-130 Mr '63.

We study the topic "Polymers" at the end of the course. V. A. Zubova. *Vest. vys. shkoly* 21 no. 2:84-85 F '63.

POLYMERS—BIBLIOGRAPHY see Bibliography—Polymers

POLYMERS—DRYING

Drying of the copolymer MSN (methyl methacrylate, styrene, and acrylonitrile) in a fluidized bed. N. A. Shakhova, A. I. Rychkov. *Plast. massy* no. 1:45-52 '63.

POLYMERS—ELECTRIC PROPERTIES

Electric conductance mechanism in organic semiconductor polymers. A. V. Arapetians and others. *Dokl. AN SSSR* 148 no. 3:605-608 Ja '63.

POLYMERS—SPECTRA

Spectrum of acrylonitrile-vinylpyridine copolymer in polarized infrared light [with summary in English]. I. B. Klimenko. *Vysokom. soed.* 5 no. 2:287-289 F '63.

POLYMERS—TESTING

Causes for the appearance of a drop of stresses on stress-strain curves of vitreous polymers [with summary in English]. V. R. Regel', D. Shu-shen' [Ting Shu-shen]. *Vysokom. soed.* 5 no. 2:258-261 F '63.

High elasticity, shear strength, and development of a steady viscous flow of fluid polymers. G. V. Vinogradov, I. M. Belkin, V. A. Kargin. *Dokl. AN SSSR* 148 no. 2:369-372 Ja '63.

Some results of the study of creep in a torsion test of polymeric materials at room temperature. O. D. Khlopotov. *Plast. massy* no. 1:64-68 '63.

Stability of amorphous polymers in injection molding. V. V. Lapshin, N. A. Koroleva. *Plast. massy* no. 1: 26-31 '63.

POLYMERS—THERMAL PROPERTIES

Thermal properties and methods of measuring the heat expansion, heat capacity, and heat conduction of polymers. G. M. Bartenov, I. U. A. Gorbakina, I. A. Luk'ianov. *Plast. massy* no. 1:56-64 '63.

POLYMERS, HIGH see Macromolecular compounds

POLYMETHYLENE COMPOUNDS

Derivatives of quiboline. Report No. 3: Synthesis of some symmetric and asymmetric polymethylenediamines. A. L. Mdzholian, A. S. Azarian, A. A. Arsojan. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 5:473-480 '62.

POLYMORPHISM

Polymorphism of beryllium bromide and iodide. K. N. Semenchenko, T. N. Naumova. *Zhur. strukt. khim.* 4 no. 1:67-72 Ja-F '63.

POLYNOMIALS

Factorization of a polynomial over the operator B_j . S. I. Osipov. *Zhur. vych. mat. i mat. fiz.* 3 no. 1:191-194 Ja-F '63.

Goncharov polynomials and the problems concerning the representation of an analytic function by a series of primitives of a certain function [with summary in English]. *Vest. Mosk. un. Ser. I:Mat., mekh.* no. 6: 0-10 N-D '62.

A variant of N. I. Lobachevskii's method for calculating the moduli of roots of algebraic equations. N. P. Smikhov. *Zhur. vych. mat. i mat. fiz.* 3 no. 1:54-70 Ja-F '63.

POLYOXYMETHYLENE

Catalytic action of some substances on the process of thermal degradation of α -polyoxymethylene. G. S. Goncharov, A. N. Levin, G. A. Ryvkin. *Plast. massy* no. 2:62-63 '63.

POLYPOIDY

Increase of morphine content in polyploids of *Papaver somniferum* L. V. S. Andreev. *Dokl. AN SSSR* 148 no. 1:206-209 Ja '63.

Polyploid sugar beets. V. P. Zosimovich. *Vest. AN SSSR* 33 no. 2:60-68 F '63.

POLYSACCHARIDES

Changes in the polysaccharides of the blood serum in rheumatic children depending upon the method of treatment [with summary in English]. L. N. Tikhonchuk, E. K. Iuzefovich. *Vop. revm.* 2 no. 3:61-65 J1-S '62.

What makes polysaccharides readily or sparingly hydrolyzable? V. I. Sharkov. [Trudy] NTO bum. i der. prom. no. 8:193-203 '60.

POPLAR

(see also subdivision under *Frunze; Ukraine*)

Growing poplar plantations in various zones of the country. *Les. khoz.* 15 no. 9:20-31 S '62.

Results of investigating the yield of the products of poplar wood pyrolysis. R. Kh. Bagrova, E. S. Deriagina, V. N. Kozlov. *Trudy Inst. khim. UFAN SSSR* no. 6:29-32 '61.

POPOV, ALEKSANDR SERAFIMOVICH, 1863-1949

Artist of the revolution. E. B. Skorospelova, *Rus. inzh. v shkole* 24 no. 1:34-38 Ja-F '63.
Author of the "Iron stream," Mykola Khmelniuk. *Ukraina* no. 1:23 Ja '63.
E. I. Kovtunkh's letter to A. S. Serafimovich, 1924, S. I. Bendas, *Ist. arkh.* 8 no. 6:180-187 N-D '62.
The earliest proletarian writer. N. Sharapkov, *Komm. Mold.* 7 no. 1:31-35 Ja '63.
Herald of truth. N. Iakubov, *Uzbekiston* 22 no. 1:14 Ja '63.
Volkov, A. A. [The creative path of A. S. Serafimovich] *Tvorcheskii put' A. S. Serafimovicha*, Izd. 2, Moskva, Goslitizdat, 1963, 382 p.

POPOV, ANDREI NIKOLAEVICH, 1901-1962

A. N. Popov; obituary. *Radioelekhnika* 18 no. 1:60 Ja '63.

POPOV, VASILII IVANOVICH

Vasilii Ivanovich Popov. L. I. A. Boborykin. *Fiz. v shkole* 22 no. 6:105 N-D '62.

POPOVA, NINA MIKHAILOVNA, 1914-1962

Nina Mikhailovna Popova. *Zav. lab.* 20 no. 1:103-104 '63.

POPOVICH, PAVEL ROMANOVICH, 1930-

Mel'nikov, N. A. [In life's orbit] *Na orbitu zhizni*. [Kiev] Kievskoe obl. knizhno-gazetnoe izd-vo, 1962, 94 p.

POPPY

Increase of morphine content in polyploids of *Papaver somniferum* L. V. S. Andreev. *Dokl. AN SSSR* 148 no. 1:206-209 Ja '63.

POPPY—DISEASES AND PESTS

(see also subdivision under Kirghizistan)
History of the study of the entomofauna of the common poppy (*Papaver somniferum* L.). L. V. Pek. *Sbor. ent. rab.* no. 1:105-115 '62.

POPULAR FRONTS see subdivision under Czechoslovakia

POPULAR MUSIC see Music, Popular (Songs, etc.)

POPULISM (NARODNICHESTVO)

(see also subdivision under Volga Valley)
"Revolutionary work of the Russian Populists in 1870-1891" [in Polish] by L. Bazylow. Reviewed by I. A. Fedosov. *Vop. ist.* 38 no. 2:174-178 F '63.

PORCELAIN—ELECTRIC PROPERTIES

Change in the electrical strength of high-voltage porcelain subject to the action of high-voltage d. c. with long duration. Kh. S. Valeev, V. N. Garevskii, N. S. Kostukov. *Elektrichestvo* no. 1:59-61 Ja '63.

PORCELAIN, FRENCH

Biriukova, N. I. U. [French porcelain of the 18th century] *Frantsuzskii farforovaya plastika XVIII veka*, Leningrad, Izd-vo Gos. Ermitazha, 1962, 310 p. [In Russian and French]

PORCELAIN PAINTING see China painting

PORK

Effect of antibiotics on the development of the internal organs, dressing percentage and chemical composition of pork and lard. I. I. Iarov, A. V. Nikolaeva. *Veterinariia* 38 no. 10:67-70 O '61.

POROUS MATERIALS

Determining the specific surface of powders and porous bodies. B. V. Deriagin, N. N. Zakhayeva, M. V. Talaev. *Vest. AN SSSR* 33 no. 2:80-81 F '63.

PORPHYRINS—SPECTRA

Spectroscopy of porphyrins. G. P. Gurinovich, A. N. Sechenko, K. N. Solov'ev. *Usp. fiz. nauk* 79 no. 2: 173-234 F '63.

PORPHYRITES see subdivision under Laba Valley

PORTABLE BUILDINGS see Buildings, Portable

PORTABLE ELECTRIC LAMPS see Electric lamps, Portable

PORTAL HYPERTENSION

Some changes in renal function in portal hypertension before and after surgery. M. P. Postolov, Z. A. Rakitina. *Vrach. delo* no. 1:124-125 Ja '63.
Splenomanometry in the diagnosis of portal hypertension [with summary in English]. M. P. Postolov. *Vest. khir.* 89 no. 11:30-33 N '62.

PORTAL VEIN—RADIOGRAPHY

Splenoportography in the diagnosis of thrombophlebotic splenomegaly [with summary in English]. P. V. Bogoslavskii, E. I. Mitrofanov. *Vest. khir.* 89 no. 11:25-30 N '62.

PORTER, WILLIAM SYDNEY, 1862-1910

O'Henry; 1862-1910. R. Orlova. *Sov. Soluz* no. 8:22-23 '62.

PORTLAND CEMENT

Hydration kinetics of Portland cement clinker minerals in hydrothermal treatment. P. P. Budnikov and others. *Dokl. AN SSSR* 148 no. 1:91-94 Ja '63.

POSITIVISM

Philosophical sources of present-day positivism [in Georgian with summary in Russian]. V. G. Gogoberishvili. *Trudy Inst. filos. AN Gruz. SSR* 11:33-52 '62.

POST EXCHANGES

"What unscrupulousness leads to." *Komm. Vooruzh. Sil* 3 no. 2:96 Ja '63.

POSTAGE STAMPS see subdivision under Cambodia; Malagasy Republic

POSTAL CARDS—COLLECTORS AND COLLECTING

Use of post cards in extracurricular work. A. V. Kulikov. *Nach. shkola* 31 no. 1:68-69 Ja '63.

POSTAL SERVICE

(see also subdivision under Leningrad)
It will benefit agricultural administration and the rural population. S. G. Volkov, L. A. Iakovlev. *Vest. svyazi* 23 no. 2:6-9 F '63.

POSTAL SERVICE—LETTER-CARRIERS

Advanced work practices of letter carriers. N. S. Gorina. *Vest. svyazi* 23 no. 2:26-27 F '63.
Work with enthusiasm as true communists should. E. Z. Belen'kil. *Vest. svyazi* 23 no. 2:31-32 F '63.

POSTERS

Advertisements should be bright and easy to understand. L. Prokhorov. *Raspr. pech.* no. 1:20-22 Ja '62.
Aids for artists in community centers. *Klub* 11 no. 4: 27 Ap '62.

By means of a poster. A. Kondrat'ev. *Okhr. truda i sots. strakh.* 6 no. 2:26 F '63.

Nasonov, B. P. [Visual propaganda in factories] *Naochna agitatsiia na zavod.* [Odesa] Odes'ke knyzhkovye vyd-vo, 1959, 17 p. [Bibliotekha agitatora]

Nurok, A. I. U. [The Soviet poster in the struggle for communism] *Sovetskii plakat v bor'be za kommunizm*. Moskva, Izd-vo Akad. khudozh. SSSR, 1962, 56 p. illus.

POSTERS, UKRAINIAN

Lashkul, Z. V. [Soviet Ukrainian poster during the Great Patriotic War, 1941-1945] *Ukrainskii sovetskii plakat v gody Velikoi Otechestvennoi volny, 1941-1945*. Kiev, Izd-vo Akad. nauk USSR, 1962, 172 p.

Mighty weapons. Zinovii Fogel'. *Mystetstvo* 9 no. 6: 22-24 N-D '62.

POSTOPERATIVE CARE

Care of the patient following a heart operation with the use of artificial blood circulation. M. Gubka and others. *Trudy Inst. eksp. i klin. khir. i gemet. AN Gruz. SSR* 10:67-72 '62.

POSTYSHEV, PAVEL PETROVICH, 1886-1940

Rivosh, E. I. U. [P. P. Postyshev; a biographical sketch] P. P. Postyshev; biograficheski ocherk. Moskva, Gospolitizdat, 1962, 92 p. (CST-II) (CTY)

POTASH

Akademlin stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. [Temporary instructions for the use of concretes which harden below freezing with an addition of potash] *Vremennye ukazaniia po primeneniiu betonov, tverdotushchikh na moroz s dobavkoi potasha*, Moskva, Gosstroizdat, 1962, 14 p.

POTASSIUM

"Kalistronite," a new potassium strontium sulfate. M. L. Voronova. *Zap. Vses. min. ob-va* 61 no. 6:712-717 '62.

POTASSIUM—ANALYSIS

Using the method of flame photometry for determining potassium and sodium content of sugar products. V. A. T'Sirkul'. *Trudy TSINS* no. 7:74-86 '60.

POTASSIUM—ARGON DATING

Cases of Ar and K nonequilibrium relations in biotites in connection with the creation of geological time scale in the absolute chronology. G. D. Afanas'ev and others. *Izv. AN SSSR, Ser. geol.* 28 no. 1:19-45 Ja '63.

POTASSIUM CHLORIDE

Study of the interaction of gaseous $ZrCl_4$, $HfCl_4$, $NbCl_5$ and $TaCl_5$ with KCl by means of radioactive indicators. I. Zvara, L. K. Tarasov. *Zhur. neorg. khim.* 7 no. 12: 2665-2670 D '62.

Using potassium chloride in preparing organic-mineral composites [with summary in English]. K. I. Chekalov, V. P. Il'huieva. *Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:40-50 '60.

POTASSIUM CHLORIDE—DRYING

Automatic control of a fluidized-bed unit for drying potassium chloride. P. A. Kulle, L. V. Lopachenok. *Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 2:16-18 '63.

POTASSIUM CHLORIDE CRYSTALS

Silver color centers in KCl-Ag crystals [with summary in English]. N. G. Poltov, M. Sh. Gefia. *Trudy Inst. fiz. AN Gruz. SSR* 9:253-262 '62.

POTASSIUM CYANIDE

Chemistry of selenophene. Part 43: Reaction of 2-chloromethyl- and 2, 6-dimethyl-3-chloromethylselenophene with potassium cyanide. I. U. K. Ur'ev, M. A. Gal'ther shtam. *Zhur. ob. khim.* 33 no. 2:462-465 F '63.

POTASSIUM FERROCYANIDE

Radiation-induced chemical oxidation of potassium ferrocyanide in aqueous solutions. A. V. Egunov, P. I. Dolin. *Dokl. AN SSSR* 148 no. 1:140-143 Ja '63.

POTASSIUM PERMANGANATE

Use of potassium permanganate in distillation. F. A. Khasanovskii. *Spiri. prom.* 28 no. 1:42-43 '63.

POTASSIUM SALTS

Development of microflora in peat-manure-phosphorite composites using various forms of potassium fertilizers [with summary in English]. B. V. Chentsov. *Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:32-39 '60.

POTASSIUM SULFATE

Problem of the coprecipitation of plutonium with potassium sulfate. V. I. Grebenshchikova, V. N. Bobrova. *Radiokhimiia* 5 no. 1:9-11 '63.

POTASSIUM ZIRCONATE

Synthesis and some properties of potassium dizirconate. A. A. Grizik, V. E. Pliushchev, I. A. Pleskova. *Zhur. neorg. khim.* 7 no. 12:2702-2708 D '62.

POTATO BEETLE see subdivision under Transcarpathia

POTATOES

Effect of Co^{60} gamma irradiation of tubers before planting on the yield and vitamin C content of potatoes. N. M. Berezhina and others. *Radiobiologiya* 3 no. 1:139-142 '63.

Effect of trace elements on the yield and quality of Early Rose potatoes. V. Shlenkova. *Sbor. stud. nauch.-issl. rab. VSKHI* 1 no. 1:117-121 '62.

[Handbook for the potato grower] *Spravochnik kartofelovoda*. Moskva, Sel'khozizdat, 1962, 335 p. (DNAL)

Some methods for growing potatoes as a green fallow crop. I. U. Shlenkov. *Sbor. stud. nauch.-issl. rab. VSKHI* 1 no. 1:111-116 '62.

POTATOES—DRYING

Inspecting the conditions of potato drying on the KSA-80 belt conveyor dryers. B. V. Zozulevich. *Kons. i ov. prom.* 18 no. 2:11-15 F '63.

POTATOES—FERTILIZERS AND MANURES

Effectiveness of cluster and fractional placement of mineral fertilizers for potatoes [with summary in English]. N. S. Malykhin. *Nauch. trudy, Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:208-222 '60.

Methods of spot placement of fertilizers for potatoes. N. S. Malykhin. *Blat. nauch.-tekhn. inform. SZNIISKH* no. 3:9-11 '66.

POTATOES AS FEED

Fattening swine by hogging off potatoes and grasses. A. I. Rudakov. *Blat. nauch.-tekhn. inform. SZNIISKH* no. 3:53-54 '60.

POTENTIAL, THEORY OF

The form factor as a function of boundary conditions for some potential fields. M. A. Korobov. *Zhur. tekhn. fiz.* 32 no. 12:1413-1417 D '62.

Some computation formulas for determining secondary vertical derivatives of potential fields. V. N. Strakhov. *Izv. AN SSSR, Ser. geofiz.* no. 1:110-127 Ja '63.
Spectral representations of mass and polarization operators at an arbitrary temperature. V. L. Bonch-Bruievich. *Dokl. AN SSSR* 147 no. 5:1049-1052 D '62.

A three-dimensional problem of diffraction on a prism. V. A. Borovikov. *Dokl. AN SSSR* 148 no. 3:545-548 Ja '63.

POTENTIOMETER

Converting automatic electromechanical potentiometers to electronic ones. M. P. Ryzhkov, A. M. Zolotarevskii. *Izm. tekhn.* no. 2:43 F '63.

A new automatic transistor potentiometer for measuring the e. m. f. of thermocouples. B. I. Blazhkevich, V. G. Zubov. *Aviom. kont. i izm. tekhn.* no. 6:128-132 '62.

Using IPB-45 induction potentiometers in a manometer transducer. M. A. Koriakin. *Priborostroenie* no. 1: 28-29 Ja '63.

POTENTIOMETRIC ANALYSIS

Analysis of mixes of salts and acids by the potentiometric method in nonaqueous solutions. A. P. Kreshkov, A. N. Iarovenko, I. A. Zel'manova. *Zav. lab.* 28 no. 3:295-298 '63.

POTTERY see subdivision under Ukraine

POTTERY—EXHIBITIONS see subdivision under Prague

POULTRY

(see also subdivision under Kazakhstan; Yessenduk region)

Importance of the development of poultry husbandry for the increase of the supply of products. S. I. Smelnev, S. O. Pel'ser. *Biol. v shkole* no. 5:73-81 S-O '62.

PREGNANCY—SIGNS AND DIAGNOSIS

Determining pregnancy from the physiological characteristics of cows. V. P. Popkov. Zhivotnovodstvo 23 no. 8:83 Ag '61.

PREGNANCY, COMPLICATIONS OF

Anemia in pregnant women. E. M. Ushn. Sov. med. 26 no. 12:81-84 D '62.

Fluctuation in the cobalt content in the blood serum of healthy pregnant women and in those suffering from infectious hepatitis. R. N. Nugmanova. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:30-34 '62.

Hemorrhages in the last months of pregnancy and in labor. V. A. Pokrovskii. Sov. med. 26 no. 12:70-75 D '62.

Premature births caused by Botkin's disease. E. Z. Zakirov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3: 25-29 '62.

PREHISTORY see Bronze age

PRELIMINARY EXAMINATIONS (CRIMINAL PROCEDURE)

Some problems of pretrial examination according to the criminal procedure code of the Ukrainian S.S.R. I. Mykhailov. Rad. pravo no. 5:85-90 S-O '62.

PRESCRIPTION WRITING

"Prescription manual." Reviewed by V. A. Erenkov. Vrach. delo no. 1:151-152 Ja '63.

PRESS see subdivision under Abkhazia; Tajikistan; United States

PRESSURE VESSELS

[Operation of steam boilers, pressure vessels and hoisting machinery; regulations, instructions, norms] Eksploatacia parovykh kotlov, vosudov i gruzopod'emnykh mashin; pravila, instruktsii, normy. Izd. ofitsial'noe. Kiev, Gosstektizdat USSR, 1962. 643 p.

PRESSURE VESSELS—WELDING

Use of 25KhSNVFA high-strength steel for high-pressure vessels. A. S. Kamyshev and others. Svar. proizv. no. 1:33-34 Ja '63.

PRESTRESSED CONCRETE

Moskovskii Dom nauchno-tekhnicheskoi propagandy Imeni F. E. Dzerzhinskogo. [Advanced experience in and methods of manufacturing prestressed concrete elements] Poradovol'nyi i metody izgotovleniya predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii; materialy seminarov. Moskva, Nos. 1-2, 1962.

Nachevskii, D. M. [Mechanization and automation of the manufacture of prestressed roof slabs] Mekhanizatsiia i avtomatizatsiia proizvodstva predvaritel'no napriazhennykh paneloi poroktyti. Moskva, Gosstektizdat, 1962. 134 p.

Winding machine for stretching beds. E. Ovechkin. Na stroi. nos. 3 no. 12:30 D '62.

PRESTRESSED CONCRETE—CONGRESSES

Development of the theory of prestressed concrete. S. S. Duvydov. Bet. i zhel.-bet. 0 no. 12:529-533 D '62.

PRESTRESSED CONCRETE—TESTING

Joint in the extended member of prestressed elements. V. K. Alekhin. Bet. i zhel.-bet. 0 no. 12:546-549 D '62.

Testing models prestressed along three axes for axial tension. A. B. Piradov. Izv. AN Arm. SSR, Ser. tekhn. nauk 15 no. 6:11-40 '62.

Ulitaki, I. I., S. V. Kireeva, and I. V. Fanstii. [Prestress losses from creep and shrinkage of the concrete in reinforced-concrete elements] Poteri predvaritel'nogo napriazhenia ot polzuchesti i usadki betona v zhelezobetonnykh konstruktsiakh. Kiev, Gosstektizdat USSR, 1962. 206 p. (Bibliotekha inzhenera-konstruktora)

PRESTRESSED CONCRETE CONSTRUCTION

(see also subdivision under Karlstadt, Germany; United States)

Posters for prestressed concrete constructions. V. V. Muskhramov. Avi. dor. 25 no. 12:4 of cover D '62.

Problems of the realization of designs in prestressed concrete. N. L. Perel'shteln. Bet. i zhel.-bet. 0 no. 12:534-539 D '62.

PRICES

Analysis of the price structure. S. Stoliarov. Z. Smirnova. Vest. stat. no. 1:13-23 '63.

Important means of economic development. N. Akalaev. Nar. khoz. Uzb. 4 no. 12:30-41 D '62.

PRIESTS

Facts reveal. Nauka i rel. 4 no. 1:32 Ja '63.

PRIMATES

Proportions of the hand of primates; an ecological and morphological study. L. P. Astanin. Vop. antir. no. 10:3-15 '62.

PRIMITIVE RELIGION see Religion, Primitive

PRINTED CIRCUITS

Printed circuits in telecommunication and remote control equipment. D. M. Zektser. Avtom. i telem. i svyaz' 7 no. 3:36-37 Mr '63.

PRINTERS

What a printer receiving a pension should know. Poligr. proizv. no. 11:24-25 N '62.

PRINTING

Mikhailov, A. I. [Thirty years at a printing press] 30 let u pechatnoi mashiny. [Leningrad] Lenizdat, 1962. 89 p. (Peredovoi opyt vsem)

New developments in foreign printing (from foreign periodicals). Poligr. proizv. no. 11:28-31 N '62.

PRINTING—HANDBOOKS, MANUALS, ETC.

[A reference book for the personnel of newspapers, publishing houses, and printing plants] Dovidnyk dlia pratsivnykh redaktsii gazet, mistsevykh vydavnytstv i drukaren'. Kyiv, Derzhtekhvydav URSS, 1962. 382 p.

PRINTING—PRODUCTION STANDARDS

[Concise technical handbook for workers, publishing houses and the printing industry] Kratki tekhnicheskii spravochnik dlia rabotnikov izdatel'stv i poligraficheskoi promyshlennosti. Moskva, Izd-vo "Iskusstvo." Pt. 3. [Tsigel'man, T. E., comp. [Production of printed matter] Proizvodstvo poligraficheskoi produktai. 1962. 574 p.

PRINTING—STUDY AND TEACHING

Education of scientific personnel and technical progress in printing. M. V. Pashkov. Poligr. proizv. no. 11:3-5 N '62.

PRINTING INDUSTRY

Competition for the title of communist labor. Poligr. proizv. no. 11:7-8 N '62.

Fulfill the industrial plan for 1962 ahead of time. L. S. Grushko. Poligr. proizv. no. 11:6 N '62.

Increase creative activity. Poligr. proizv. no. 11:1-3 N '62.

PRINTING INDUSTRY—BIBLIOGRAPHY see Bibliography—Printing industry

PRINTING INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the papermaking and printing industry] Ref. zhur. i tekhn. i obor. bumagodel. i poligr. proizv. nos. 1-2 Ja-F '63.

PRINTING INK

Printing needs high-quality inks. G. E. Shaposhnikov. Poligr. proizv. no. 11:7 N '62.

Rheological properties of printing inks. D. Tiurikov, I. Vasserman, E. Lisina. Poligr. proizv. no. 11:22-24 N '62.

PRINTING MACHINERY AND SUPPLIES

Automatic machine for printing and lacquering disks of manometers. L. V. Fed'man. Trudy NII Poligrafmash no. 14:38-55 '61.

PRINTING MACHINERY AND SUPPLIES—PATENTS

Moscow. Nauchno-issledovatel'skii institut poligraficheskogo mashinostroeniia. Otdel tekhniko-ekonomicheskikh issledovani. [Patents in the printing industry, 1958] Patentnaia literatura po voprosam poligraficheskogo proizvodstva, 1958 god; bibliograficheski spravochnik. [By] E. L. Nemirovskii. Moskva, 1961. 228 p. (Seria bibliograficheskikh ukazatelei)

PRINTING PLATES

Chromium plating intaglio printing plates in a cold tetrachromic electrolyte. V. Khoshilov. Poligr. proizv. no. 11:20 N '62.

The effect of highly elastic materials on the type of compression deformation of flog. S. N. Kozlov. Poligr. proizv. no. 11:15-17 N '62.

Emulsion etching of combined printing plates. V. D. Gushko, P. L. Pashulin, L. N. Petrov. Poligr. proizv. no. 11:9-11 N '62.

Galvanic methods of correcting relief printing plates. A. A. Viti. Poligr. proizv. no. 11:13-15 N '62.

PRINTING PRESS—EQUIPMENT AND SUPPLIES

Device for controlling the position of a sheet in a printing press. S. L. Ginzburg. Poligr. proizv. no. 11:21-22 N '62.

PRIORITE

Euxenite and priorite, polymorphic varieties of YNbTiO₆. A. I. Komkov. Dokl. AN SSSR 148 no. 3:679-680 Ja '63.

PROZERSK—WOODPULP INDUSTRY

Successful measures. A. I. Komarov, B. B. Bukaty. Bum. prom. 38 no. 2:5-8 F '63.

PRISHVIN, MIKHAIL MIKHAILOVICH, 1873-1954

Illusions and reality in M. M. Prishvin's prerevolutionary essays [with summary in English]. G. A. Shabel'skain. Vest. LGU 18 no. 2:71-81 '63.

PRISMS

A three-dimensional problem of diffraction on a prism. V. A. Borovikov. Dokl. AN SSSR 148 no. 3:545-548 Ja '63.

PRISONS see subdivision under Ukraine

PRISONS—LAWS AND REGULATIONS

Decisions of the plenary session of the Supreme Court of the U.S.S.R. Sov. iust. no. 2:28-30 Ja '63.

PRIVATE LIBRARIES see Libraries, Private

PRIVOL'NYANSKIY REGION—COAL MINES AND MINING

In one month 55,364 tons of coal were mined from one longwall. V. P. Kaznetsov. Ugol'. prom. no. 6:3-6 N-D '62.

PROBABILITIES

All-Union colloquium on probability theory held at Fergana. R. Mukhamedkhanova. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 6:118 '62.

Empirical approach to the problem of statistical decision-making based on Bayes' theory. A. M. Kagan. Dokl. AN SSSR 147 no. 5:1020-1021 D '62.

Interpolation over random points. S. M. Ermakov. Zhur. vych. mat. i mat. fiz. 3 no. 1:186-190 Ja-F '63.

A simple and sufficient statistics of indefinitely divisible processes. V. S. Mykhalevych. Zbir. prats' z obchys. mat. i tekhn. 1:115-118 '61.

Some attempts to make Zipf's formula of probability more precise. D. M. Segal. Mash. perev. i prikl. ling. no. 5:51-55 '61.

Zolna, R. S., and others. [Collection of problems in mathematical statistics and probability theory] Sbornik zadach po matematicheskoi statistike i teorii veroiatnostei. Moskva, Gosstatizdat, 1962. 183 p.

PROBATION

Answering our readers' questions. Sov. iust. no. 2:31 Ja '63.

PRODUCE TRADE

Agricultural surpluses should be put on the market. E. Narbekova. Sov. tovg. 35 no. 9:25-28 S '62.

"Transport and storage of vegetables and fruit." Reviewed by A. Troian. Sov. tovg. 35 no. 9:54-55 S '62.

PRODUCTION STANDARDS

(see also subdivision under Lithuania; Moscow; White Russia)

Borodkin, F., and I. U. Maksimov. [Method for short unplanned observations used in enterprises of capitalist countries] Metod sluchainykh momentnykh nabludeni; iz opyta primeneniia na predpriatiakh kapitalisticheskikh stran. Pod red. P. M. Orlova. Moskva, Nauchno-Issl. in-t truda Gos. kom-ita Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy, 1961. 59 p. [MICROFILM]

Experience, suggestions and wishes. Sots. trud 8 no. 1:92-94 Ja '63.

From the editor's mail. Sots. trud 8 no. 2:129-132 F '63.

How to coordinate the theoretical studies on the establishment of work norms. S. Kozlovskii. Sots. trud 7 no. 6:87-89 Je '62.

Improve work on establishing technical standards. Sots. trud 7 no. 12:95-98 D '62.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Council of Trade Unions. Sots. trud 8 no. 2: 139-141 F '63.

Norms and the methodology for establishing norms for the expenditure of materials. N. Khovriakov. Nar. khoz. Kazakh. 20 no. 11:73-74 N '62.

Working out time norms. K. Kuznetsova. Sots. trud 7 no. 12:82-89 D '62.

PRODUCTION STANDARDS—BIBLIOGRAPHY see Bibliography—Production standards

PRODUCTIVITY ACCOUNTING

Akademiia nauk URSS, Kiev. Institut ekonomiki. [Problems of labor productivity statistics in industry and agriculture] Pytannia statystiky produktivnosti pratsi v promyselovosti i sli'skomu hospodarstvi. Vyd-vo AN URSS, 1962. 302 p.

The interbranch balance of labor expenditures and its economic significance. M. Eldet'man. Sots. trud 8 no. 2:12-23 F '63.

PROFIT see subdivision under Europe, Eastern; Kazakhstan

PROFITTEERING

Vittenberg, G. B. [Responsibility for speculation] Otvetstvenost' za spekulatsiiu. Moskva, Gosizdat, 1962. 107 p.

PROGRAMMED INSTRUCTION

Cybernetics and the educational process. A. M. Doroshkevich. Vest. vys. shkoly 21 no. 1:17-21 Ja '63.

General possibilities for the use of cybernetics in education. P. R. Atutov. Dokl. APN 6 no. 5:41-52 '62.

Prerequisites for the transition to the new method exist. T. I. Rostunov. Vest. vys. shkoly 21 no. 1:12-17 Ja '63.

PROGRAMMED INSTRUCTION—CONGRESSES

From a conference on methods. A. T. Golodniak, M. B. Morozov. Vest. vys. shkoly 21 no. 1:24-26 Ja '63.

PROGRAMMING (ELECTRONIC COMPUTERS)

Principles of introducing automatic control of ship sailing on a given program. A. I. Rodionov. Inform. sbor. TSNIIMF no. 66. Sudovozh. i svyaz' no. 17:16-25 '61.

Solving several problems of intraplant planning. E. Bykov, I. U. Gavrillets. Vop. ekon. no. 1:84-93 Ja '63.

PROGRAMMING (MATHEMATICS)—STUDY AND TEACHING

What machine should be used for teaching students? D. A. Pospelov and others. Vest. vys. shkoly 21 no. 2: 25-29 F '63.

PROGRAMMING LANGUAGES (ELECTRONIC COMPUTERS)

What are structural and applied linguistics? V. A. Zvegintsev. Vest. vys. shkoly 21 no. 2: 56-59 F '63.

PROJECT METHOD IN TEACHING

Complex tasks on design combining several subjects. I. Gol'din. Prof.-tekh. obr. 20 no. 1: 13-15 Ja '63.

PROJECTORS

Efficient visual aids. A. Serdiuk. Nar. obr. no. 2: 80-82 F '63.

Use of projecting apparatus in extracurricular work. P. Bakulenko, V. Shirobokova, V. Sychev. Shkola-int. no. 6: 65-66 N-D '62.

PROKOF'EV, SERGEI SERGEEVICH, 1891-1953

[Characteristics of the style of S. Prokof'ev] Cherty stila S. Prokof'eva; sbornik teoreticheskikh statei. Moskva, Vses. izd-vo "Sovetskii kompozitor," 1962. 314 p.

PROPAGANDA

The community center drives through the virgin land. Kul't.-pros. rab. 23 no. 8: 8-10 Ag '62.

PROPANE

Bubble chamber filled with a mixture of methyl iodide and propane [with summary in English]. D. Niagu, R. G. Salukvadze. Trudy Inst. fiz. AN Gruz. SSR 8: 183-185 '62.

Synthesis of N,N-bis(2-chloroethyl)amino derivatives from 1-(o-nitrophenoxy)-2,3-epoxypropane. I. I. Chizhevskaya, L. I. Samuilenko, L. I. Gapanovich. Zhur. ob. khim. 33 no. 2: 657-660 F '63.

Synthesis of some ethoxyallanes and disiloxanes with 3,3,3-trifluoropropyl groups. E. G. Kagan, A. L. Kabanekii, A. V. Kharlamova. Zhur. ob. khim. 33 no. 2: 704-705 F '63.

PROPELLERS

Propeller influence on the characteristics of underwater wings. M. I. Frankel. Sudostroenie 29 no. 2: 4-5 F '63.

PROPENE

Lightfastness of polypropylene and fiber based on it. L. G. Tokareva and others. Khim. volok. no. 3: 23-25 '62.

Polymerization of propylene on silicotungstic catalysts. E. G. Vol'pova, L. I. Ogloblina. Khim. i tekhn. topl. i masel 8 no. 1: 18-24 Ja '63.

Reaction of nitroolefins with aromatic compounds in the presence of acid catalysts. Part 2: Condensation of 1,1,1-trichloro-3-nitro-2-propene with benzene in the presence of aluminum chloride. A. D. Grebeniuk, A. Ladanova, I. P. Tsukervanik. Zhur. ob. khim. 33 no. 2: 490-493 F '63.

Synthesis of isoprene from propylene. Part 1: Analysis of aluminum alkyls in the process of propylene dimerization. V. Sh. Fed'bul'm and others. Neftekhimika 3 no. 1: 13-19 Ja-F '63.

Thermostabilization of polypropylene and fibers based on it [with summary in English]. N. V. Mikhailov, L. G. Tokareva, A. G. Popov. Vysokom. soed. 5 no. 2: 188-194 F '63.

PROPERDIN

Content of blood properdin in erysipelas patients [with summary in English]. V. L. Cherkasov, E. V. Chernokhvostova, V. D. Nikitina. Vrach. delo no. 11: 99-101 N '62.

Properdin content in fishes. V. I. Luk'ianenko, G. A. Mikheeva. Dokl. AN SSSR 148 no. 2: 469-472 Ja '63.

PROPIONAMIDE

Amides of aryloxypropionic acids. P. F. Butskus, N. V. Ragutene. Zhur. ob. khim. 33 no. 2: 622-624 F '63.

PROPIONIC ACID

Distribution of propionic and butyric acids between the nonaqueous and aqueous phases at various temperatures as related to the concentration of acids. V. N. Kozlov, G. A. Tokareva. Trudy Inst. khim. UFAN SSSR no. 6: 41-45 '61.

PROPIOPHENONE

Protection of animals from gamma rays with the help of some aminophenones. E. F. Romanov, M. V. Tikhomirova. Radiobiologiya 3 no. 1: 126-129 '63.

PROPORTIONING EQUIPMENT

Automatic batcher with discharge conveyor. A. D. Mikhailov. Avi. dor. 25 no. 12: 25 D '62.

Mechanical proportioning of ingredients in the G-1 mixer. I. Sorokin. Avi. dor. 25 no. 8: 25 Ag '62.

Modernized automatic machine for liquid proportioning and bottling. Spirt. prom. 29 no. 1: 31-32 '63.

Proportioning machine for grated nuts. A. E. Shklovskaya. Khleb. i kond. prom. 7 no. 1: 33 Ja '63.

PROPYLAMINE

Synthesis of 1-(2-hydroxy-5-alkylphenyl) propylamines. A. N. Kost, B. M. Shelman. Zhur. ob. khim. 33 no. 2: 545-549 F '63.

PROPYNOL

Propargyl esters of arylsulfonic acids and some of their reactions. O. A. Prib, M. S. Malinovskii. Zhur. ob. khim. 33 no. 2: 553-557 F '63.

PROROKOV, BORIS IVANOVICH, 1911-

Gertsenberg, V. R. Boris Prorokov. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike, VI Seriya: Literatura i iskusstvo, no. 3)

PROSPECTING

(see also subdivision under Azerbaijan; Irkutsk region; Kaliningrad Province; Korbalkha region; Siberia; Siberia, Eastern; Ukraine)

Bakhchisaraitsev, A. N. [Organization and planning of geological prospecting] Organizatsia i planirovaniye geologorazvedochnykh rabot. Izd. 2., perer. Moskva, Gosgeotekhnizdat, 1962. 369 p.

Practice of digging prospecting trenches with artificial eroding streams. G. I. Ivanov. Razved. i okh. nedr 29 no. 1: 35-39 Ja '63.

Using maps of seams in prospecting for oil and gas. V. A. Dolitskii, E. V. Kucheruk. Geol. nefi i gaza 7 no. 2: 38-41 F '63.

PROSPECTING—GEOPHYSICAL METHODS

(see also subdivision under Azerbaijan)

Dakhnov, V. N., and A. I. Kholm, eds. [Using methods of field geophysics in studying gas-bearing reservoirs] Primeneniye metodov promyslovoi geofiziki pri izuchenii gazonosnykh kolektorov. Moskva, Gosgeotekhnizdat, 1962. 279 p.

Practice of using geophysical studies made in holes during prospecting for gold deposits in southern Yakutia. E. P. Leman, I. U. S. Maslov, M. A. Kholmianskii. Razved. i okh. nedr 29 no. 1: 46-50 Ja '63.

PROSPECTING—SAFETY MEASURES

Presninkov, I. I. [Safety methods in prospecting for building materials and engineering-geology] Bezopasnye sposoby razvedki stroitel'nykh materialov i inzhenerno-geologicheskikh izyskanii. Moskva, Gosgeotekhnizdat, 1962. 110 p.

PROSTATE GLAND—INNERVATION

Morphology of neural endings in the epithelium of the prostate gland in man. I. D. Gnidei. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1: 98-105 '58.

PROTACTINIUM

Concentration of protactinium in materials with a high content of silicic acid. R. A. D'yachkova, Vikt. I. Spitsayn. Radiokhimiya 5 no. 1: 106-110 '63.

PROTECTION OF PLANTS see Plants, Protection of

PROTECTIVE ATMOSPHERES

Coloring protective gases used in welding. T. N. Dubova. Svar. proizv. no. 2: 40-41 F '63.

Investigating certain conditions for the hot rolling of molybdenum, in vacuum, in an argon atmosphere, and in air. I. M. Pavlov and others. TSvet. met. 36 no. 2: 68-71 F '63.

Vainbol'm, D. I. [Electric plug welding under flux in an atmosphere of protective gases] Svarka elektroizaklep-kami pod fluxom i v srede zaschitnykh gazov. Leningrad, 1962. 46 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, Obmen peredovym opytom. Seriya: Svarka i paika metallov, no. 3)

Welding in a protective atmosphere of steam and gases separated from a welding bath. V. M. Ivanenko, N. M. Budnik. Svar. proizv. no. 1: 9-10 Ja '63.

PROTECTIVE CLOTHING see Clothing, Protective

PROTECTIVE COATINGS

Effect of the method of application of paint and varnish coatings on their protective properties. M. Svoboda, B. Knapke, K. Zafchek. Lakokrass. mat. i ikh prim. no. 1: 44-45 '63.

Fire- and bacteria-resistant materials for mine ventilation pipes. L. F. Motina, I. V. Plotnikov, S. A. Pavlov. Nauch.-issl. trudy VNIPIK no. 12: 30-35 '60.

Fireproof electric insulation coating for steel pipe in heating devices. Stok. i ker. 20 no. 2: 32-34 F '63.

Improved apparatus for the application of films of uniform thickness. A. L. Labutin. Lakokrass. mat. i ikh prim. no. 1: 72 '63.

In foreign countries, Prom. energ. 18 no. 2: 40 F '63.

Increasing the cavitation-erosion and corrosion resistance of engine parts. D. M. Likhoshershtov, I. U. S. Chervakov. Metalloved. i term. obr. met. no. 1: 19-21 Ja '63.

Protection of internal steel pipe surfaces. A. V. Kosarev. Sudostroenie 29 no. 2: 63 F '63.

Protective coatings for air-enfrained silicate slabs of exterior walls. A. S. Leikin, V. E. Pesel'nik. Stroif. mat. 9 no. 2: 16-16 F '63.

Restoration of anticorrosive lacquer coatings on electrical relay components. S. I. A. Bystritskaya-Aberkukh, Avtom., telem. i svyaz' 7 no. 1: 34-35 Ja '63.

Role of the primary protective film in the process of oxidation of metals in aqueous solutions. L. Lepin, A. Lokenbakh. Dokl. AN SSSR 148 no. 1: 148-151 Ja '63.

Russia (1917- R. S. F. S. R.) Moskovskii gosudarstvennyi ekonomicheskii administrativnyi raion, Savoi narodnogo khoziaistva. [Protective and decorative coatings on

objects of aluminum alloys] Zashchitno-dekorativnye pokrytiya izdelii iz aluminievyykh splavov. Moskva, TSentr. biuro tekhn. informatsii, 1961. 75 p.

Use of paint and varnish materials in the preparation of weatherproof coatings. T. A. Pinchuk. Lakokrass. mat. i ikh prim. no. 1: 38-42 '63.

PROTEIN HYDROLYSATES

Use of hydrolyzine L-103 in children [with summary in English]. N. S. Anishin. Vest. khir. 80 no. 11: 131-134 N '62.

PROTEINASES

State of proteinases in treatment with fluorometasarcosine. S. A. Papolan, I. G. Demirechoglian, S. G. Shukurian. Vop. rent. i onk. 6: 175-178 '61.

PROTEINS

C-reactive protein in rheumatic fever [with summary in English]. A. A. Batsovich. Vrach. delo no. 1: 20-32 Ja '63.

Differences in the nature of the suppression of protein biosynthesis in cancerous cells by oxyaromatic compounds and alkylating agents. G. V. Kukuashkin, I. I. Gorbacheva, N. M. Emanuel'. Dokl. AN SSSR 147 no. 5: 1218-1219 D '62.

Digestibility of proteins accompanying lignin in forage plants. M. A. Ter-Karapetian, A. M. Ogandzhanian. Izv. AN Arm. SSR, Biol. nauk 15 no. 3: 21-32 Ag '62.

Letters of A. I. Danilevskii to A. M. Butlerov (1869-1871). A. N. Shamin, G. V. Bykov. Trudy Inst. ist. otd. i tekhn. 30: 288-303 '62.

Metabolism of radioactive phosphorus in chickens on different protein levels in their rations. D. Steshich. Trudy VIEV 26: 205-208 '62.

PROTEINS—ANALYSIS

Effect of gamma rays on some protein fractions of beef. M. L. Frumkin, G. I. Pavlova, D. P. Dozorova. Kemi i ov. prom. 18 no. 1: 19-22 Ja '63.

PROTONS

Determining proton concentration in the atmosphere of hydrogen stars. S. P. Erkovich. Trudy MTTP 15: 217-225 '60.

Mechanism of the addition of proton to methane. V. M. Volkov, A. A. Levin. Zhur. strukt. khim. 4 no. 1: 114-116 Ja-F '63.

PROTOZOA, PATHOGENIC

Recent developments in the classification of parasitic protozoans. I. V. Orlov. Veterinarin 37 no. 7: 9-10 Ji '60.

PROTOZOLOGY

Dogel', V. A., I. I. Pollanskii, and E. M. Khelshin, [General protozoology] Obshchaya protozoologiya. Moskva, Izd-vo Akad. nauk SSSR, 1962. 591 p.

PROVERBS, TAJIK

New publications of Tajik proverbs and sayings. B. T. Titavov. Uch. zap. LGU no. 306: 80-86 '62.

PROVERBS, UKRAINIAN

Ivan'ko, V., comp. [Treasures of folk wisdom; proverbs and sayings of the Transcarpathian Ukrainians] Skarby narodnoi mudrosti; zakarpats'ki ukrains'ki pryslyvia ta prykazky. Uzhhorod, Zakarpats'ke oblasno vyd-vo, 1959. 155 p. (MH)

PRUTKOV, KOZ'MA, pseud.

"Language and style of Koz'ma Prutkov's parodies" by I. M. Sukiasova. Reviewed by I. Bogomolov. Vop. lit. 6 no. 12: 217-218 D '62.

PSALTERS

"Psalter with additions for divine services." Reviewed by V. Shishkina. Zhur. Mosk. Patr. no. 12: 71 D '62.

PSEUDORABIES

Gamma globulins used in the prophylaxis and treatment of foot-and-mouth and Aujeszky's diseases in animals. I. I. Kazanskii, V. E. Karneeva, Z. I. Deriabina. Veterinarin 37 no. 7: 35-39 Ji '60.

Preparation of gamma globulins by ammonium sulfate precipitation and their testing in experimental brucellosis and Aujeszky's disease. V. E. Karneeva. Trudy VIEV 26: 82-89 '62.

Some data on the pathomorphology of the pharynx and larynx in Aujeszky's disease in swine. L. Efanova. Sbor. stud. nuch. -issl. rab. VSKH 1 no. 1: 160-172 '62.

PSILOCYBINE

Influence of psilocybine on higher nervous activity and some somatic functions in dogs [with summary in English]. A. I. A. Rapoport, L. I. Lando. Trudy Gos. nauch.-issl. inst. psikh. 35: 345-350 '62.

PSKOV—FORTIFICATIONS, OLD

Larionov, I.N. [Pskov, a military outpost of the Russian land] Pskov - boevoy forpost russkoi zemli. Pskov, Izd-vo gazety "pskovskaya pravda," 1961. [n.p.].

PSKOV GOVERNMENT—REVOLUTION, 1917-1921

Documentary publications on the struggle for the establishment and consolidation of the Soviet regime in the Pskov Government. A. N. Permiakov. Trudy MGIAI 16:193-204 '61.

PSKOV PROVINCE—FLAX

Chemical weed control of flax fields. N. I. Gvozdev. Biol. nauch. -tekh. inform. SZNIISKH no. 3:31-33 '58.

PSKOV PROVINCE—WEED CONTROL

Chemical weed control of flax fields. N. I. Gvozdev. Biol. nauch. -tekh. inform. SZNIISKH no. 3:31-33 '58.

PSORIASIS

Aciclic acid in the treatment of psoriasis. R. A. Grabovskaya. Vrach. delo no. 11:129-130 N '62.

PSYCHIATRY

Psychiatric aid in a somatic hospital. M. O. Gertsberg. Nauch. trudy Chetv. Mosk. gor. klin. bol. no. 1:408-414 '61.

PSYCHOLOGICAL APPARATUS

Methods of the simultaneous registering of articulatory and acoustic parameters of speech. V. A. Kozhevnikov, V. S. Shupliakov. Vop. psikh. no. 6:128-134 N-D '62.

Multichannel programming device for an automatic supply of stimuli. O. V. Kalinin, E. P. Krinchik. Vop. psikh. no. 6:124-127 N-D '62.

PSYCHOLOGY

"Psychological essays" [in Azerbaidzhan] by M. Magarramov. Reviewed by M. A. Gamzaev, A. Sh. Gashimov, A. A. Ali-Zade. Vop. psikh. no. 6:155-156 N-D '62.

Resolution of September 21, 1962, no. 794/168/10, of the Presidium of the Academy of Sciences of the U.S.S.R., the Presidium of the Academy of Medical Sciences of the U.S.S.R., and the Presidium of the Academy of Pedagogical Sciences of the U.S.S.R. concerning the results of the All-Union Conference on Philosophic Problems in the Physiology of Higher Nervous Activity and Psychology. Vest. AMN SSR 18 no. 1:89-94 '63.

PSYCHOLOGY—BIBLIOGRAPHY see Bibliography—Psychology

PSYCHOLOGY—CONGRESSES

Psychological conference in Tashkent. M. M. Maslennikov. Vop. psikh. no. 6:185-186 N-D '62.

PSYCHOLOGY, APPLIED see subdivision under Poland

PSYCHOLOGY, PATHOLOGICAL

Border line between the pathological and physiological fear reaction. I. A. Landau. Prak. sudebnopsikh. ekspert. no. 4:32-37 '61.

Difficulties in the forensic psychiatric evaluation of the affective reactions of psychopaths. B. V. Shostakovich. Prak. sudebnopsikh. ekspert. no. 4:25-31 '61.

"Pathology of thinking" by B. V. Selgarnik. Reviewed by A. R. Lurina. Vop. psikh. no. 6:135-139 N-D '62.

Rare case of a disorder of desires. B. A. Tselibeev. Prak. sudebnopsikh. ekspert. no. 4:38-42 '61.

PSYCHOLOGY, PHYSIOLOGICAL

Basis of human life. P. K. Anokhin. Okhr. truda i sots. strakh. 6 no. 2:18-20 F '63.

Border line between the pathological and physiological fear reaction. I. A. Landau. Prak. sudebnopsikh. ekspert. no. 4:32-37 '61.

Cybernetics and some problems of compensation. O. L. Alekseev. Dokl. APN 6 no. 5:125-128 '62.

"Problem of determinism in the psychophysiology of the 19th century" by M. G. Iaroshevskii. Reviewed by L. M. Vekker. Vop. psikh. no. 6:142-147 N-D '62.

PSYCHOLOGY OF LEARNING see Learning, Psychology of

PSYCHOPHARMACOLOGY

Pharmacotherapy in depressive states [with summary in English]. T. N. Morozova. Trudy Gos. nauch. -issl. inst. psikh. 35:210-219 '62.

Principles of pharmacotherapy in psychic diseases in the light of the physiological teaching of I. P. Pavlov [with summary in English]. L. L. Rokhlin. Trudy Gos. nauch. -issl. inst. psikh. 35:13-24 '62.

Some controversial problems of psychopharmacology [with summary in English]. G. R. Tarasov. Trudy Gos. nauch. -issl. inst. psikh. 35:44-52 '62.

Some general problems of modern medication in psychoses (psychopharmacology) [with summary in English]. E. A. Shternberg. Trudy Gos. nauch. -issl. inst. psikh. 35:25-35 '62.

PSYCHOSES

Changes in the course and symptomatology of psychoses when treated with modern psychotropic drugs [with summary in German]. S. G. Zhislin. Trudy Gos. nauch. -issl. inst. psikh. 35:73-85 '62.

Late reactive states. N. I. Troian. Prak. sudebnopsikh. ekspert. no. 6:11-13 '62.

Pathologic histologic changes in the central nervous system and the solar plexus ganglia in psychoses resulting from uremia. N. N. Vakulenko. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:57-65 '58.

So-called "aborted" forms of reactive states. N. I. Felinskaia. Prak. sudebnopsikh. ekspert. no. 6:3-10 '62.

PSYCHOSOMATIC MEDICINE see Medicine, Psychosomatic

PSYCHOTHERAPY

Platonov, K. I. [Word as a physiological and therapeutic factor; problems of the theory and practice of psychotherapy based on I. P. Pavlov's teaching]. Slovo kak fiziologicheskii i lechebnyi faktor; voprosy teorii i praktiki psikhoterapii na osnove uchenia I. P. Pavlova. Izd. 3, s nekotorymi dop. i izmeneniami. Moskva, Medgiz, 1962. 531 p.

(DNLM)

Psychotherapy for obsessive (psychasthenic) states [in Georgian with summary in Russian]. E. G. Gibrondze. Trudy Tbil. GDUV 6:179-184 '62.

PSYCHOTROPIC DRUGS

Changes in the course and symptomatology of psychoses when treated with modern psychotropic drugs [with summary in German]. S. G. Zhislin. Trudy Gos. nauch. -issl. inst. psikh. 35:73-85 '62.

Clinical psychopharmacology [with summary in English]. R. A. Nudzharov, T. N. Morozova, A. B. Smulevich. Trudy Gos. nauch. -issl. inst. psikh. 35:53-62 '62.

Determination and the principles of the use of psychotropic drugs in combination therapy for schizophrenia [with summary in English]. I. G. Ravkin. Trudy Gos. nauch. -issl. inst. psikh. 35:83-72 '62.

Experience in the use of psychotropic drugs in treating psychopaths [with summary in English]. V. I. Gindikin. Trudy Gos. nauch. -issl. inst. psikh. 35:321-327 '62.

Experience in treatment of children and adolescents by psychotropic drugs in a sanatorium school for nervous children [with summary in English]. E. E. Skanavi, V. I. A. Khenkova. Trudy Gos. nauch. -issl. inst. psikh. 35:316-320 '62.

Modern psychopharmacological drugs. I. A. Aleksandrovskii, V. V. Borinevich, M. G. Shchirina. Trudy Gos. nauch. -issl. inst. psikh. 35:377-380 '62.

Psychopharmacological drugs and their place in psychiatry [with summary in English]. D. D. Fedotov. Trudy Gos. nauch. -issl. inst. psikh. 35:5-12 '62.

Use of psychotropic drugs for different forms of dementia in childhood [with summary in English]. I. A. Iurkova. Trudy Gos. nauch. -issl. inst. psikh. 35:308-315 '62.

Symposium on the new psychotropic drug hydroxyphenamate ("Istika"). M. G. Shchirina. Trudy Gos. nauch. -issl. inst. psikh. 35:372-376 '62.

PSYCHOTROPIC DRUGS—TERMINOLOGY

Synonyms of psychopharmacological preparations in general use. I. A. Aleksandrovskii, V. V. Borinevich, M. G. Shchirina. Trudy Gos. nauch. -issl. inst. psikh. 35:381-388 '62.

PUBLIC BATHS see Baths, Public

PUBLIC BUILDINGS—DESIGN AND CONSTRUCTION

Akademiia stroitel'stva i arkhitektury SSSR. Institut obshchestvennykh zdani i sooruzhenii. [Public buildings abroad; design and construction] Obshchestvennye zdania za rubezhom (proektirovani i stroitel'stvo); sbornik statoi. Pod obshch. red. A. Z. Danilaka. Moskva, Gosstroizdat, 1962. 171 p.

PUBLIC HEALTH

(see also subdivision under Kirghizistan; Novomoskovsk; Transbaikalia; Tula Province)

Constant attention and concern of society to public health. L. N. Litvinov. Sov. zdrav. 22 no. 2:8-10 '63.

Perot'skaya, A. S., M. K. Nedolobcheiko, and T. D. Chernenko, comps. [Hygiene of populated areas; collection of official data] Gigiena naselennykh most; sbornik ofitsial'nykh materialov. Moskva, Medgiz, 1962. 534 p.

[Pirogov Lectures for 1961] Pirogovskie chlenia 1961 goda. Leningrad, Medgiz, 1962. 31 p.

Resolution of the Central Committee of the CPSU and of the Soviet of Ministries of the U.S.S.R. in action. M. S. Shchodanuk. Sov. zdrav. 22 no. 2:10-13 '63.

Some achievements and tasks in the development of public health in the Russian Federation. A. V. Sergeev. Zdrav. Ros. Feder. 7 no. 1:3-10 Ja '63.

PUBLIC HEALTH—FINANCE

Prevent the inefficient expenditure of funds for social and cultural measures. V. Basov. Fin. SSSR 37 no. 2:33-40 F '63.

PUBLIC HEALTH ADMINISTRATION

Training future physicians in public health organization. A. G. Kurochkina. Zdrav. Ros. Feder. 7 no. 1:26-28 Ja '63.

PUBLIC HEALTH SOCIETIES

In the Presidium of the Medical Council of the Ministry of Public Health of the R. S. F. S. R. D. A. Zhdanov. Zdrav. Ros. Feder. 7 no. 1:45-48 Ja '63.

PUBLIC PROSECUTORS

(see also subdivision under Ukraine)

"Judicial system and public prosecution in the U.S.S.R." by A. L. Rivlin. Reviewed by P. Zavorotko, D. Suslo, M. Naklovych. Rad. pravo no. 1:142-145 Ja-F '63.

Legal relations between investigators and public prosecutors during the pretrial investigation of criminal offenses. Z. Onyshchuk. Rad. pravo no. 5:90-94 S-O '62.

PUBLISHERS AND PUBLISHING

Improve the activities of book publishing houses. K. Gogolubov. Part. zhizn' no. 5:39-43 Mr '63.

Instructions for the calculation of royalties and publishers' registration pages. Poligr. protizv. no. 11:8-9 N '62.

PUBLISHERS AND PUBLISHING—HANDBOOKS, MANUALS, ETC.

[A reference book for the personnel of newspapers, publishing houses, and printing plants] Dovidnyk dlia pratsivnykh redaktsii gazet, mistsevykh vydavnytstv i drukaren'. Kyiv, Derzhzhukhydav URSS, 1962. 382 p.

PUFFINS see subdivision under Aynovskye Islands

PULMONARY ARTERY—ABNORMALITIES AND DEFORMITIES

Hypoplasia or the absence of a lung and the branches of the pulmonary artery. K. A. Kiandarian. Vop. rent. i onk. 6:59-46 '61.

PULMONARY CIRCULATION

Case of death from primary pulmonary hypertension. O. S. Budakov. Sud. -med. ekspert. 6 no. 1:46-50 Ja-Mr '63.

PULMONARY HEART DISEASE see Cor pulmonale

PULSE

Changes in plezopulsograms in Takayashi's disease with dynamic and focal disorders of cerebral blood circulation. Z. A. Kazimirova. Vrach. delo no. 1:66-69 Ja '63.

Diagnostic importance of the pulsation of the abdominal aorta in tuberculous mesadenitis. G. N. Ter-Oganessian. Vop. rent. i onk. 6:333-337 '61.

Frequency of cardiac contractions during muscular activity in man under natural conditions; according to data of dynamic radiotelemetry. V. V. Rozenblat. Fiziol. zhur. 48 no. 12:1454-1465 D '62.

PULSE CIRCUITS

Amplitude triggers using tunnel diodes. M. S. Neiman, G. P. Zemtsov. Radiotekhnika 18 no. 1:40-47 Ja '63.

PULSE TECHNIQUES (ELECTRONICS)

Delayed pulse generator using a tunnel diode with wide-range variation of duration. B. N. Miasnikov. Radiotekhnika 18 no. 1:48-52 Ja '63.

Effect of amplitude and frequency distortions in communication channels on the transmission of pulse signals. G. P. Divogortsov, L. S. Urinson. Elektrosviaz' 17 no. 1:48-51 Ja '63.

Kaporoski, L. N. [Generators with electronic control for spectra excitation] Generatory s elektronnyim upravleniem, primenyaemye dlia vozvuzhdeniia spektrov, steno-gramma lektel. Leningrad, 1962. 10 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Kontrol' kachestva produktov)

Noncontact pulse transducer. I. U. I. Ivas'kiv. Avtom. i prib. no. 3:84-85 Ji-S '62.

Study of half-wave transformer multivibrator synchronization [with summary in English]. E. I. Ushchkin. Avtom. i telem. 24 no. 2:240-247 F '63.

PUMPING MACHINERY

(see also subdivision under Baku; Sibai, Rumania)

Automation of the pumping unit for delivering a solution of the coagulant. V. Shamonov. Zhil. -kom. khoz. 12 no. 10:30 O '62.

Grebnev, N. A. [Automatic stations for pumping waste water by means of compressed air] Avtomaticheskie stantsii perekachki stochnykh vod szhatym vozdukhom. Leningrad, 1961. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 28)

Using the 4NF pump for the transfer of paper stock. A. M. Litvinenko. Bum. prom. 38 no. 1:22-24 Ja '63.

Worm pump for lime paste. Stroitel' 8 no. 1:insert: 4 p. Ja '62.

PUMPING MACHINERY, ELECTRIC

Concerning P. S. Tiagul'skii's article "Choice of a synchronous motor for driving a centrifugal pump when started with an open pressure latch." I. A. Syromiatnik. Prom. energ. 18 no. 2:50-51 F '63.

Water pumping equipment for farms. M. Kundzich. Tekh. v sel'khoz. 22 no. 7:37-42 Ji '62.

PUMPING MACHINERY, ELECTRIC—SAFETY MEASURES

Piterskoy, N. I. [Handbook on accident prevention for drainage pump operators] Pamiatki po tekhnike bezopasnosti dlia mashinista vodootlivnykh nasosov. Moskva, Gosstroizdat, 1962. 13 p. (Tekhnika bezopasnosti v stroitel'stve)

PUMPING STATIONS

Operating conditions of drainage pumping stations and methods for their improvement. R. I. Volkov. Gidr. i mel. 14 no. 1:39-47 Ja '63.

PUNCHED CARD SYSTEMS

Automatic machine for preparing perforation and verification operators. L. S. Andreev. Mekh. i avtom. proizv. 17 no. 2:50-51 F '63.

Berzovich, L. A., and K. M. Kurochkin. [Chief operator's switchboard. Modernization of the electric drive of the PD45-2 perforator] Direktorski kommutator. Modernizatsia elektroprovoda perforatora PD45-2. [By] G. A. Ivanov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 19 p. (Peredovoi nauchno-tekhnicheski i proizvodstvennyi opyt. Tema 43, No. O-57-7/2)

Gorelov, N. M. [Mechanization of accounting in an enterprise] Mekhanizatsia kukhalyatskogo ucheta na predpriatii. Moskva, Gosfinizdat, 1962. 47 p.

PUNCHED CARD SYSTEMS—BUDGET

Highly efficient calculating machines in the service of economists. A. A. Khashkin, I. Gorchev, E. Malorov. Fin. SSSR 37 no. 2:58-61 F '63.

PUNCTURES (MEDICINE)

Clinical anatomical basis for the technique of bone marrow punctures of the ala ili [with summary in English]. L. T. Bil'kevich. Vrach. delo no. 1:52-57 Ja '63.

Clinical and punctual diagnosis of the tumoral processes of lymph nodes. M. X. Alrapetian. Vop. rent. i onk. 6:279-286 '61.

Evaluation of puncture of the atrium sinistrum in the diagnosis of defects of the mitral valve. N. I. Mokrik. Klin. khir. no. 11:45-49 N '62.

PUNISHMENT

More attention to the execution of sentences which impose corrective labor without confinement. K. Kolo-tushkin. Sov. iust. no. 5:12 Mr '63.

PUPIL (EYE)

Conditioned reflex pupillary reactions to the administration of adrenomimetic and antihistaminic substances. V. P. Baskanova. Vrach. delo no. 1:143-145 Ja '63.

Studying the pupillary reflex in a group of young physiologists. R. M. Aitova, G. A. Aminov. Biol. v shkole no. 5:69-70 S-O '62.

PUPPETS AND PUPPET PLAYS see subdivision under Ukraine

PURINES

Joint participation of vitamin B₁₂ and folic acid in purine synthesis. L. A. Areshkina and others. Dokl. AN SSSR 148 no. 3:704-707 Ja '63.

PURKYNE, JAN EVANGELISTA, 1787-1869

Jan Evangelista Purkyně. G. I. Kositski. Sov. zdrav. 22 no. 2:56-60 '63.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837

Determination of the genre of the folk ballads in A. S. Pushkin's works. E. A. Tudorovskaia. Rus. fol'k. 7:67-83 '62.

Earliest mention of Pushkin in an English magazine [with summary in English]. M. G. Al'tshuller. Vest. LGU 18 no. 2:133-135 '63.

Facts and suppositions about A. S. Pushkin's duel. V. Gol'diner. Sov. iust. no. 3:22-24 F '63.

Monument to A. Pushkin in Kiev. Dmytro Lanko. Mystetstvo 9 no. 6:20-21 N-D '62.

"Pushkin and his time." Reviewed by E. Naidich. Vop. lit. 6 no. 12:188-191 D '62.

PYATALOVO—SCHOOL SUPERINTENDENTS AND PRINCIPALS

They made a mistake which must be corrected. G. Ivanov. Part. zhizn' no. 5:48 Mr '63.

PYATIGORSK—NEWSPAPER AND PERIODICAL CIRCULATION

New developments in the work of Pyatigorsk newsstand operators. E. Ustinovich. Raspr. pech. no. 1:5 Ja '63.

PYATIGORSK—SEISMOLOGY—OBSERVATIONS

At the Pyatigorsk Seismic Station. P. N. Nikitin. Priroda 52 no. 2:86-87 '63.

PYATIGORSK—SERVICE INDUSTRIES

To fit everybody's taste. G. Glikin. Mest. prom. i khud. promys. 3 no. 1:7 Ja '63.

PYRAZOLE

Pyrazoles. Part 32: Mobility of halogen in a pyrazole ring. I. I. Grandberg, L. I. Gorbacheva, A. N. Kost, Zhur. ob. khim. 33 no. 2:511-515 F '63.

a benzyl

Pyrazoles. Part 36: Chromatography of pyrazoles in a loose thin layer of aluminum oxide. A. N. Kost, G. K. Faizova, I. I. Grandberg, Zhur. ob. khim. 33 no. 2: 533-537 F '63.

PYRAZOLE—ABSORPTION SPECTRA

Pyrazoles. Part 31: Infrared spectra of 4-acylpyrazoles, their salts and metal derivatives. V. G. Vinokurov and others. Zhur. ob. khim. 33 no. 2:500-511 F '63.

PYRAZOLE—SPECTRA

Pyrazoles. Part 34: Ultraviolet spectra of pyrazole systems. I. I. Grandberg. Zhur. ob. khim. 33 no. 2: 519-525 F '63.

PYRAZOLINE

Synthesis of diphenyl- and terphenyldipyrzolinyls. E. E. Baroni, K. A. Kovyryzina. Zhur. ob. khim. 33 no. 2:583-586 F '63.

PYRIDINE

Characteristics of the properties of homo- and copolymers of 2-methyl-5-vinylpyridine obtained by the methods of light scattering and viscosimetry. A. V. Topchlev and others. Neftekhimika 3 no. 1:90-93 Ja-F '63.

Spectrum of acrylonitrile-vinylpyridine copolymer in polarized infrared light [with summary in English]. I. B. Kilmenko. Vysokom. soed. 5 no. 2:287-289 F '63.

PYRIDINEDICARBOXYLIC ACID

Extraction of niobium and tantalum as 8-hydroxyquinolate complexes from solutions of hydroxy acids. I. P. Alimarin, G. N. Blitovich, TSul Stan'-khan [TSul Hsien-hang]. Zhur. neorg. khim. 7 no. 12:2725-2730 D '62.

PYRIDOXINE

Protective effect of vitamin B₆ on the radiation-induced changes in the content of lipoproteins and phospholipides in liver mitochondria and phosphatides in the blood serum of rabbits. A. F. Mosin. Radiobiologiya 3 no. 1: 143-146 '63.

PYRIMIDINE

Amino- and ethyleneimino derivatives of 5-fluoropyrimidine. L. D. Protchenko, IU. I. Bogodist. Zhur. ob. khim. 33 no. 2:537-542 F '63.

PYRIMIDINEACETIC ACID

Potential metabolites. Part 4: Derivatives of 3-uracilacetic acid. IU. P. Sivachkin, M. T. Azarova. Zhur. ob. khim. 33 no. 2:590-595 F '63.

PYRITE—DRYING

Drying of flotation pyrite in a fluidized bed. E. V. Donat, G. K. Molokova. Khim. prom. no. 11:842-843 N '62.

PYRITES

(see also subdivision under Degtyarsk)

Efficient system for the purification of gases in fluid-bed pyrite roasters. V. N. Uzhov. Khim. prom. no. 11:848-851 N '62.

PYROCHLORE

Infrared absorption spectra of pyrochlores and some characteristics of the composition of these minerals. A. S. Sergeev, L. G. Fedorova. Trudy Min. muz. no. 13: 102-107 '62.

PYROGENS

Study of some causes of the pyrogenicity of sera concentrated by the "Diaform 3" method and the possibilities of its elimination [with summary in English]. S. M. Preger, A. P. Dutova, N. G. Turhanseva. Trudy Tomsk. NIIVS 11:243-249 '60.

PYROLYSIS

Changes in the specific surface area of peat cokes in the process of pyrolysis. V. E. Rakovskii, V. Z. Volkov. Khim. i tekhn. topl. i masel 8 no. 1:42-45 Ja '63.

Pyrolysis of straight-run gasoline in a flow of a superheated water vapor. V. I. Malorov, T. N. Mukhina. Khim. i tekhn. topl. i masel 8 no. 1:34-38 Ja '63.

Studying the kinetics of ethane pyrolysis by the single-pulse shock tube method [with summary in English]. V. G. Knorre, G. I. Kozlov. Inzh. -fiz. zhur. 6 no. 2: 109-113 F '63.

PYROMANIA

Concerning pyromania. K. V. Mosketi, G. M. Bel'skaia, A. G. Kravchenko. Prak. sudebnopsikh. ekspert. no. 6: 36-40 '62.

PYROMETERS

Simple method for the graduation and testing of color pyrometers. A. N. Gordov. Izv. tekhn. no. 1:30-33 Ja '63.

PYROPHOSPHATES

Synthesis of substituted diseryl pyrophosphates. S. M. Azaeva, M. M. Botvink, I. F. Syromiatnikova. Zhur. ob. khim. 33 no. 2:709-710 F '63.

PYROXENTE see subdivision under Denezhkin Kamen'; Snyan Mountains

PYROXYLIN

Using pyroxylin powder in open pits. V. S. Zhitnik, N. I. Zub. Bezop. truda v prom. 7 no. 2:6-7 F '63.

PYRROLE

Perchloric acid and its compounds as catalysts in organic synthesis. Part 9: Synthesis of ketones of the pyrrole series. G. N. Dorofeenko, A. P. Kucherenko, N. V. Prokof'eva. Zhur. ob. khim. 33 no. 2:506-500 F '63.

PYRROLIDINONE

Electron paramagnetic resonance spectra of wheat embryos irradiated and treated with a monomer. IU. P. Kozlov, G. B. Sergeev. Radiobiologiya 3 no. 1:130-131 '63.

PYRYLIUM COMPOUNDS

Synthesis of meso-aryliumcarboxyanines in the cleavage of the pyrylium ring of pyrylocyanines. A. I. Tolmachev, L. V. Shcheglova. Zhur. ob. khim. 33 no. 2:446-453 F '63.

Q FEVER see subdivision under Siberia, Western; Tomsk Province

QUACK GRASS see subdivision under Russia, North-western

QUALITY CONTROL

(see also subdivision under Moscow)

Improving the quality of consumers' goods. IA. Orlov. Vop. ekon. no. 1:62-62 Ja '63.

Improving the quality of production is the necessary condition for increasing profit. V. Aralov, L. El'machev. Fin. SSSR 37 no. 1:35-39 Ja '63.

In the struggle for the quality of merchandise. V. P'itula. Sov. tovg. 35 no. 6:31-32 S '62.

Quality improves with the improvement of control.

IA. Sorin. Prof. -tekh. obr. 19 no. 11:10-20 N '62.

"Statistical methods for the analysis and control of quality and reliability" by IA. B. Shor. Reviewed by O. F. Poplavskii. Vest. mashinostr. 43 no. 1:93 Ja '63.

What is expected from the quality of manufactured articles? D. M. Tarnopol'skii. Shkola i proizv. 7 no. 1: 45-46 Ja '63.

QUANTUM CHEMISTRY

Calculation methods in quantum chemistry. Part 2: Calculation of some two-centered molecular integrals on an electronic digital computer. IU. A. Krugliak, D. N. Uitmen. Zhur. strukt. khim. 4 no. 1:91-97 Ja-F '63.

QUANTUM FIELD THEORY

Allowing for Coulomb interaction in superconduction thermodynamics. V. A. Moskalenko. Dokl. AN SSSR 148 no. 2:307-310 Ja '63.

QUANTUM THEORY

Calculation of the stationary value of a reversible photodichroism of viscous solutions. O. V. Sudlova. Dokl. AN SSSR 149 no. 1:84-87 Mr '63.

Contribution of third forbidden transitions to the β -electron spectrum and polarization of NaK. N. P. Popov. Izv. AN SSSR. Ser. fiz. 27 no. 2:203-205 F '63.

Energies of the first 2⁺ levels and the reduced probabilities of E2 transitions to these levels in spherical nuclei. B. L. Birbrair, K. I. Erokhina, I. Kh. Lemberg. Izv. AN SSSR. Ser. fiz. 27 no. 2:150-171 F '63.

Glauber, A. H. [Quantum mechanics] Kvantovaya mekhanika. [L'viv] Vyd-vo L'viv's'koho univ., 1962. 505 p.

Possibility of γ -transitions from the levels of the K = 3⁺ band to the levels of the main rotational band; analysis of transitions of this type in Yb¹⁷². H. S. Dzhelepov, V. M. Mikhaltov. Izv. AN SSSR. Ser. fiz. 27 no. 2:287-282 F '63.

Properties of odd and odd-odd nuclei with C 55% N \leq 75. L. K. Peker, IU. N. Novikov. Izv. AN SSSR. Ser. fiz. 27 no. 2:285-300 F '63.

Rotational nature of the 2.2 Mev. level in A127. D. G. Alkhazov, K. I. Erokhina, I. Kh. Lemberg. Izv. AN SSSR. Ser. fiz. 27 no. 2:211-215 F '63.

Shape of the K β emission band of iron. Part 2: Transition probability as a function of energy. I. A. Nikiforov, M. A. Blokhin. Izv. AN SSSR. Ser. fiz. 27 no. 3:314-318 Mr '63.

QUARRIES AND QUARRYING

(see also subdivision under Moldavia)

Improving boring and blasting at quarries. A. P. Averbchenkov, V. G. Kritskii, IU. A. Myzdrikov. Stroi. mat. 0 no. 2:7-10 F '63.

Some problems of the overall mechanization of extraction operations at cement plant quarries. IU. A. Burkovskii and others. Shor. trud. Novorossiyskoprotskementa no. 1:34-43 '61.

Structure of the energy levels of metallic molybdenum. Izv. AN SSSR. Ser. fiz. 27 no. 3:310-321 Mr '63.

QUARRIES AND QUARRYING—EQUIPMENT AND SUPPLIES see subdivision under Yelovna region (Donetsk Province)

QUARTZ

Concrete containing powdered quartz in large-panel housing construction. P. Kaminski, Stroitel' 8 no. 1: 28 Ja '62.

QUARTZITE

Sharp creep during underground mining of ferruginous quartzite. V. A. Chistov, Bezop. truda v prom. 8 no. 11:24-25 N '62.

QUICKSAND

Controlling quicksand during mine construction in the South Moravian lignite basin (Czechoslovakia). G. G. Skvortsov, Shkhit. stroi. 7 no. 1:27-28 Ja '63.

QUINACRINE

Acridine in the treatment of psoriasis. R. A. Grabovskaya, Vrach. delo no. 11:129-130 N '62.

QUINOLINUM COMPOUNDS

Electrocardiographic data on the effect of pyridin on cardiac activity of healthy cattle and of those suffering from piroplasmiasis. P. E. Radkevich, Trudy VIEV 26:215-218 '62.

QUINOLINE

Derivatives of quinoline. Report No. 3: Synthesis of some symmetric and asymmetric polymethylenediamines. A. L. Mndzhoian, A. S. Azarian, A. A. Arotan, Izv. AN Arm. SSR, Khim. nauki 15 no. 5:473-480 '62.

QUINOLINOL

New derivatives of 4-quinolindol. Report No. 7: 6-alkoxy derivatives of 3-(p-methoxybenzyl)- and 3-(p-ethoxybenzyl)-4-quinolindol. Report No. 7: 6-alkoxy derivatives of 3-(p-methoxybenzyl)- and 3-(p-ethoxybenzyl)-4-quinolindol. L. V. Glufbudagian and others, Izv. AN Arm. SSR, Khim. nauki 15 no. 5:489-492 '62.

Organic coprecipitating agents. Part 17: Coprecipitation of uranium as 8-hydroxyquinolinate with indifferent coprecipitating agents. V. I. Kuznetsov, V. V. Gorshkov, Radiokhimiya 5 no. 1:83-97 '63.

Preparation of hafnium 8-hydroxyquinolinate of a definite composition [with summary in English]. O. M. Kalinskina, N. P. Rudenko, Zhur. anal. khim. 17 no. 9:1120-1121 D '62.

RABIES

(see also subdivision under Arctic regions)

Data on the study of antirabic ultraviolet vaccine prepared from different strains of the fixed rabies virus. N. A. Piskareva, Trudy Len. inst. epid. i mikrobiol. 19:173-181 '59.

Improving the diagnosis of rabies. K. A. Toplaninova, P. I. Romezov, Veterinariya 37 no. 11:86-88 N '60.

Industrial method of preparing a dry antirabic vaccine inactivated by ultraviolet rays. N. A. Piskareva, N. A. Piskareva, Trudy Len. inst. epid. i mikrobiol. 19:163-172 '59.

RABIES—MICROBIOLOGY

Biological properties and the antigenic interrelationships of strains of the rabies street virus isolated in 1952-1955. N. A. Piskareva, Trudy Len. inst. epid. i mikrobiol. 17:197-207 '58.

Comparative study of the biological and antigenic properties of derivative strains of fixed rabies virus. N. A. Piskareva, Trudy Len. inst. epid. i mikrobiol. 17:189-195 '58.

Method for studying the antigenic properties of rabies virus. N. A. Piskareva, Trudy Len. inst. epid. i mikrobiol. 17:180-187 '58.

RABIES—PREVENTIVE INOCULATION

Clinical testing of the dry antirabies UF-vaccine on a limited contingent of people. N. A. Piskareva and others, Trudy Len. inst. epid. i mikrobiol. 22:203-205 '61.

Dry antirabies UF-vaccine prepared from the brain of sheep. N. A. Piskareva, Trudy Len. inst. epid. i mikrobiol. 22:188-202 '61.

RADAR

Drigo, G. A. [If you get ahead, you will defeat the enemy] Upredil - vraga pobedit. Moskva, Voenizdat, 1962. 20 p. (Olichniki uchely o svoem opyte)

Friends of the air force pilots. R. Terskil, Radio no. 2: 5-6 F '63.

RADAR IN NAVIGATION

(see also subdivision under Great Britain)

Effect of meteorological conditions on the distance of radar visibility in tropical waters. N. F. Bulanov, Inform. sbor. TSNIIMF no. 60. Sudovozh. i sviaz' no. 15: 18-28 '61.

Kononov, V. V., and L. I. Kuznetsova. [Radio navigation equipment on ships] Sudovye radionavigatsionnye ustroystva. Moskva, Izd-vo "Morskoi transport," 1962. 374 p.

Practical accuracy of a ship's position determination by two visual bearings taken at different times. B. A. Mal'tsev, K. N. Denisov, Inform. sbor. TSNIIMF no. 60. Sudovozh. i sviaz' no. 15:28-32 '61.

Rules for the prevention of collisions at sea and radar on ships. V. A. Zaitsev, Mor. sbor. 46 no. 2:53-55 F '63.

RADAR IN NAVIGATION—CONGRESSES

Materials of the 6th International Conference on Navigation Safety Measures (from a report by H. R. Smyth). Inform. sbor. TSNIIMF no. 66. Sudovozh. i sviaz' no. 17:68-80 '61.

RADAR IN NAVIGATION—GRAPHIC METHODS see subdivision under Great Britain

RADAR METEOROLOGY

All-inclusive radar method of aeronautical meteorological service. E. M. Sal'man, Trudy GGO no. 128:24-34 '62.

Cause of the formation of discrete-coherent radio echoes. L. B. Nekrasov, Trudy GGO no. 128:77-83 '62.

Measuring the amount of precipitation in the open sea. G. I. Shkoda, Trudy GGO no. 128:57-63 '62.

Method for processing radar data of storm-warning stations. N. F. Kotov, Trudy GGO no. 128:3-22 '62.

Modernization of an indicating device of the storm-warning radiolocation station. P. N. Nikolaev, Trudy GGO no. 128:72-76 '62.

Some characteristics of the construction and utilization of a meteorological radar station on a seagoing ship. G. I. Shkoda, Trudy GGO no. 128:64-71 '62.

RADIATION

Effect of radioactive radiation from $\text{Na}_2^{22}\text{SO}_4$ and $\text{Na}_2^{24}\text{SO}_4$ on the phase transitions of these compounds. I. E. Mikhailenko, V. I. Spitsyn, Dokl. AN SSSR 146 no. 3: 613-616 Ja '63.

Joint action of radiation and oxide catalysts on the dehydrogenation of cyclohexane. V. I. Vladimirova and others, Dokl. AN SSSR 146 no. 1:101-104 Ja '63.

Kuzin, A. M. [Radiation biochemistry] Radiatsionnaya biokhimiya. Moskva, Izd-vo Akad. nauk SSSR, 1962. 333 p.

Radiation-induced chemical oxidation of potassium ferrocyanide in aqueous solutions. A. V. Egunov, P. I. Dolin, Dokl. AN SSSR 146 no. 1:140-143 Ja '63.

Radiation-induced chemical sulfochlorination of polydimethylsiloxane. R. V. Dzhabgatpanian and others, Plast. massy no. 2:16-18 '63.

Radiation of an electron moving along a spiral in a magnetic plasma. Part 2: V. I. Pakhomov, K. N. Stopenov, Zhur. tekhn. fiz. 33 no. 1:43-50 Ja '63.

Recent developments in radiation polymerization. I. M. Barkalov, V. I. Gol'danskii, Khim. prom. no. 12:859-864 D '62.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po ispol'zovaniyu atomnoi energii. [Isotopes, radiation sources, and radioactive materials; catalog] Izotopy, istochniki izlucheniya i radioaktivnye materialy; katalog. Izd. 2, dop. Moskva, Gosatomizdat, 1962. 216 p.

RADIATION—DOSAGE

Aglintsev, K. K., and others. [Applied dosimetry] Prikladnaya dozimetriya. Pod obshchey red. K. K. Aglintseva, Moskva, Gosatomizdat, 1962. 246 p.

Calculating the dosage inside a spherical source with Gaussian distribution of a γ -irradiator. I. U. A. Izrael', Atom. energ. 14 no. 3:317-318 Mr '63.

RADIATION—PHYSIOLOGICAL EFFECT

Change in the electron spectra of oxyhemoglobin solutions irradiated in vivo and in vitro. I. V. Vysotskaya, Radiobiologiya 3 no. 1:147-149 '63.

Possibility of obtaining diploid gynogenesis in sturgeons by radiation. D. D. Romashov and others, Radiobiologiya 3 no. 1:104-110 '63.

Effect of radiation-induced humoral factors on the reflexes from chemoreceptors of intestines. N. A. Lapshin, Radiobiologiya 3 no. 1:63-64 '63.

Radiation injuries of bones. D. A. Mikeladze, Trudy Tbil. GIDUV 6:301-306 '62.

Radioactivity of Escherichia coli as related to the method of cultivation and the conditions of the medium during X-ray and alpha-ray irradiation. I. A. L. Shekhtman, G. V. Filipova, G. B. Radzievskii, Radiobiologiya 3 no. 1:34-38 '63.

Regeneration of tissues treated with extracts irradiated by gamma rays and X rays [with summary in English]. G. D. Tumanishvili, Trudy Inst. fiz. AN Gruz. SSR 8: 109-114 '62.

Relativity of radiation-induced immunological tolerance. R. V. Petrov, V. F. Sosova, Radiobiologiya 3 no. 1: 99-103 '63.

Role of a plastic condition, caused by denervation, in muscular reactions to radiation. M. F. Popova, Dokl. AN SSSR 146 no. 1:223-228 Ja '63.

Role of the state of the thyroid gland in asthenic syndromes following radiation disease. V. A. Rezentov, M. A. Lagun, Dokl. AN SSSR 146 no. 3:760-761 Ja '63.

Some data on the effect of betatron rays on the natural immunity of white rats to tularemia [with summary in English]. E. I. Kleitman, Trudy TomNIIVS 11:316-324 '60.

Study on the effect of ionizing radiation on the development of insects. V. F. Pali, G. G. Irkovskii, Sbor. ent. rab. no. 1:70-79 '62.

Symposium on the molecular mechanisms underlying the biological effect of ionizing radiation. I. U. S. Lazurkin, Atom. energ. 14 no. 3:330-332 Mr '63.

Use of amizil (diazil) in the treatment of asthenic states developed under the influence of some professional factors [with summary in English]. R. G. Golodets, Trudy Gos. nauch. -issl. inst. psikh. 35:297-307 '62.

RADIATION—SAFETY MEASURES

Electron paramagnetic resonance spectra of wheat embryos irradiated and treated with a monomer. I. U. P. Kozlov, G. B. Sergeev, Radiobiologiya 3 no. 1:130-131 '63.

"Protection from radioactive rays" by S. N. Ardashnikov and others. Reviewed by I. N. Plaksin and others, TSvet, met. 35 no. 12:83 D '62.

RADIATION—TOXICOLOGY

Therapy for radiation leucopenia. T. D. Makhmurian, A. A. Karapetian, Vop. rent. i onk. 6:205-210 '61.

RADIATION COUNTERS see Nuclear counters

RADIATION SICKNESS

Bacteriological and pathoanatomical characteristics of acute radiation sickness caused by the action of a 25 Mev betatron [with summary in English]. G. E. Nebozhubova, N. V. Sokolova, Trudy TomNIIVS 11:304-310 '60.

Changes in some components of the blood-coagulation system in radiation sickness under hypothermal conditions [in Georgian with summary in Russian]. T. N. Dzhanardze, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:277-281 '62.

Changes in the quantity of sugar and lactic acid in the blood of irradiated rabbits following acute blood loss. L. Kh. Barkhudarian, Vop. rent. i onk. 6:217-220 '61.

Data on the pathology of acute blood loss in animals affected by ionizing radiation. M. A. Movsesian, O. A. Ovanessian, N. G. Musheghian, Vop. rent. i onk. 6:179-185 '61.

Effect of carbon monoxide on the course and results of acute radiation sickness. V. V. Kustov, Radiobiologiya 3 no. 1:53-58 '63.

Effectiveness of high-polymeric DNA in the treatment of acute radiation sickness. R. E. Libinon and others, Radiobiologiya 3 no. 1:111-116 '63.

Gorkontov, P. D., ed. [Pathological physiology of acute radiation sickness; experimental data on the biological effect of external ionizing radiations] Patologicheskaya fiziologiya ostroi luchевой bolezni; eksperimental'nye materialy po biologicheskomu sostoyaniyu vneshtnih ioniziruyushchikh izlucheni. Moskva, Medgiz, 1958. 374 p. (DNLM)

Immunochemical analysis of liver proteins in radiation sickness. O. I. A. Tereshchenko, E. M. Boliaeva, L. F. Mikhailova, Radiobiologiya 3 no. 1:93-98 '63.

Kurshakov, N. A., ed. [A case of acute radiation sickness in man] Sluchai ostroi luchевой bolezni u cheloveka. Moskva, Medgiz, 1962. 149 p. (DNLM)

Reaction of the blood and bone marrow following combined irradiation with X rays and radioactive phosphorus [in Georgian with summary in Russian]. T. G. Baramidze, Trudy Tbil. GIDUV 6:381-392 '62.

Some data on the perfusate of tissues in studying toxemia in irradiated animals. I. U. D. Balika, G. M. L'vitskaya, Radiobiologiya 3 no. 1:59-62 '63.

RADIATION STERILIZATION

Effect of gamma rays on some protein fractions of beef. M. L. Frumkin, G. L. Pavlova, D. P. Dozorets. Kons. i ov. prom. 18 no. 1:19-22 Ja '63.

Use of gamma rays and sorbic acid as a means to lengthen the keeping time of apple juice. U. D. Bregvadze, Kons. i ov. prom. 18 no. 2:8-11 F '63.

RADICALS (CHEMISTRY)

Additivity of free activation energies in gaseous free radical reactions. I. V. Barazin, Dokl. AN SSSR 146 no. 3:609-612 Ja '63.

Biological action of free radicals obtained from the anodic oxidation of tyrosine. N. A. Klipson, T. G. Mamedov, Radiobiologiya 3 no. 1:146-147 '63.

Chemistry of free radicals of the hydrazine series. Part 9: Synthesis of α,α -diphenyl- β -2,6-dinitro-4-carboxyphenylhydrazyl and α,α -diphenyl- β -2,6-dinitro-4-bromophenylhydrazyl. R. O. Matevosian, M. A. Ikrina, Zhur. ob. khim. 33 no. 2:499-503 F '63.

Cyclic polymerization and copolymerization. Report No. 19: Radical polymerization of some substituted 1,6-heptadienes. S. G. Matsolan and others, Izv. AN Arm. SSR, Khim. nauki 15 no. 6:541-551 '62.

Cyclic polymerization and polymerization. Report No. 18: Synthesis and study of radical polymerization of divinyl mercaptals and divinyl mercaptols. S. G. Matsolan, A. A. Saakian, Izv. AN Arm. SSR, Khim. nauki 15 no. 5:463-472 '62.

Evolution of the methods for studying free organic radicals. L. V. Koshkin, I. U. S. Musabekov, Trudy Inst. ist. est. i tekhn. 39:141-175 '62.

Formation of diaryl nitric oxide radicals in reactions between amines and peroxide radicals. A. T. Koritskii, A. F. Lukovnikov, Dokl. AN SSSR 147 no. 5:1126-1129 D '62.

Molecular transformations in a natural gas produced by electrodeless high-frequency discharges. Part 4: Kinetics of the formation and destruction of certain free radicals. S. V. Starodubtsev and others, Izv. AN Uz. SSR, Ser. fiz. -mat. nauk 6 no. 6:61-65 '62.

RADICALS (CHEMISTRY) (Continued)

Reaction of free radicals during electrolysis of organic compounds. A. P. Tomilov, M. I. A. Fioshin. Usp. khim. 32 no. 1:60-92 Ja '63.

RADICALS (CHEMISTRY)—DIPOLE MOMENTS

Dipole moments of the radical and of the molecule: diphenyl nitrogen oxide and diphenylhydroxylamine. A. L. Buchachenko and others. Dokl. AN SSSR 148 no. 1:95-96 Ja '63.

RADICALS (CHEMISTRY)—SPECTRA

Mechanochemical transformations in macromolecules at 80°K. P. I. Butagin. Dokl. AN SSSR 148 no. 1: 129-131 Ja '63.

RADIO

(see also subdivision under Cuba; Mirnyy Station, Antarctica)

Analytical design of systems for the reproduction of a useful signal in the presence of noise [with summary in English]. A. G. Zaitsev. Avtom. i telem. 24 no. 2: 143-150 F '63.

Blekhman, I. S. [Radio electronics in the past and present] Radiotekhnika nastoiashchego i budushchego. Minsk, 1962. 31 p. (Obshchestvo po rasprostraneniю politicheskikh i nauchnykh znani Belorusskoi SSR, no. 25)

Concerning the structure of V. A. Kotelnikov's ideal receiver for equally probable signals. I. V. Khomeniuk. Radiotekhnika 18 no. 1:247-1248 '62.

Concerning the technical base of wire broadcasting and radio services. I. A. Shamshin. Vest. svyazi 23 no. 2:4-6 F '63.

Experimental study of the interference rejection of a synchronization system. V. E. Bukhviner. Elektrosvyaz' 17 no. 1:3-12 Ja '63.

Initiative and inventiveness are of great importance. Radio no. 3:1-2 Mr '63.

Letter to the editor. A. G. Kisilev. Izv. vya. ucheb. zav. radiofiz. 5 no. 6:1247-1248 '62.

Mints, A. L. [Radio electronics] Radiotekhnika; kratkaya istoriya i sostoyeniya. Moskva, Izd-vo Akad. nauk SSSR, 1963. 84 p. (Akademiya nauk SSSR, Nauchno-populiarnaya seriya)

The people and the army are united. Radio no. 2:1-2 F '63.

[Radio electronics abroad] Zarub. radioelek. no. 2 F '63.

Udovichenko, A. M. [Principles of radio communication and wire broadcasting techniques] Osnovy tekhniki provodnoi i radiofiz. Moskva, Svyaz'izdat, 1962. 366 p.

RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur. i Radiotekh. i elektrosvyaz' nos. 1-2 Ja-F '63.

RADIO—ANTENNAS

(see also subdivision under Denmark)

An antenna mast for the Zhr-5 radio transmitter. E. P. Fedorov. Avtom. i telem. i svyaz' 7 no. 1:39 Ja '63.

Improvement of the antenna of the Zhr-4P transmitter-receiver. A. A. Kalinichenko. Avtom. i telem. i svyaz' 7 no. 3:35 Mr '63.

Rotating antenna mast (from "Ezermester," no. 5 1962). Radio no. 3:56 Mr '63.

RADIO—BIBLIOGRAPHY see Bibliography—Radio

RADIO—EQUIPMENT AND SUPPLIES

[Aid for radio amateurs] V pomoshch' radiolubiteliu. Moskva, Izd-vo DOSAAF. No. 12. 1962. 53 p.

Amateur radio equipment at the Eighteenth All-Union Radio Exhibition. N. Kazanskii. Radio no. 2:17-19 F '63.

Our consultations. Radio no. 3:61-63 Mr '63.

Radio engineering club. A. P. Abrosimova. Vech. sred. shkola 5 no. 5:51 S-O '62.

The record changers are of poor quality. V. Denisovich. Radio no. 3:4-5 Mr '63.

RADIO—INTERFERENCE

Methods for decreasing the effect of radio stations on cable networks. M. A. Klimov. Vest. svyaz 23 no. 2: 14-15 F '63.

RADIO—MAINTENANCE AND REPAIR

Repaired by amateurs. A. Fedorov and others. Radio no. 2:51 F '63.

When will courses in radio start? N. Puzrev. Radio no. 3:13 Mr '63.

RADIO—RECEIVERS AND RECEPTION

(see also subdivision under Germany, East)

Accuracy limit of the simultaneous evaluation of two parameters of a signal during reception with presence of normal noise. E. I. Kulikov. Radiotekhnika 18 no. 1: 53-60 Ja '63.

Gang tuning of stages. Intermediate frequency amplifiers. E. Borozovskov. Radio no. 2:31-35 F '63.

New sensitivity regulating circuit. S. I. Svalov. Avtom. i telem. i svyaz' 7 no. 3:38-39 Mr '63.

RADIO—STUDY AND TEACHING

Alekseev, S. M. [The ShK-2 transmitter-receiver for school use] Shkol'naya radiostantsiya ShK-2. Moskva, Izd-vo DOSAAF, 1962. 118 p. (Biblioteka iunogo konstruktora)

RADIO—TESTING

Device for checking radio transmitters. D. I. Mikhalev. Avtom. i telem. i svyaz' 6 no. 7:43 Ji '62.

RADIO—TRANSMITTERS AND TRANSMISSION

(see also subdivision under Great Britain)

Amplification of electromagnetic waves in a trench running perpendicular to the transmitting direction of the radio station. A. F. Sviridov. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 6 no. 6:111-116 '62.

New marine ASP-4 emergency transmitter. O. P. Bykasov. Inform. sbor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15:48-57 '61.

Output stage and modulator of an amateur radio transmitter. A. Shadskii. Radio no. 3:30-31 Mr '63.

RADIO, MILITARY

Standing guard at the eastern frontiers. A. Matislavskii. Radio no. 2:7-8 F '63.

RADIO, SHORTWAVE

Champion shortwave radio operators. I. U. Prozorovskii. Radio no. 3:10-11 Mr '63.

Tropospheric passage of radio waves with 144 mc. frequency. K. Kallemaa. Radio no. 3:28-29 Mr '63.

RADIO, SHORTWAVE—EQUIPMENT AND SUPPLIES

A shortwave converter with positive feedback. V. Goncharov. Radio no. 2:19-20 F '63.

RADIO, SHORTWAVE—TRANSMITTERS AND TRANSMISSION

Methodology and apparatus for measuring the power of minor lobe radiation of shortwave transmitters. I. I. Seleznev, M. S. Safin, A. D. Taranenko. Elektrosvyaz' 17 no. 1:13-16 Ja '63.

RADIO ASTRONOMY

High-resolution radio-astronomical observations of Venus. D. V. Korol'kov and others. Dokl. AN SSSR 149 no. 1:65-67 Mr '63.

RADIO CIRCUITS

Points from foreign trade journals. Radio no. 2:52-54 F '63.

RADIO CLUBS

(see also subdivision under Germany, East; Kalinin)

Public participation in radio amateur work is of the utmost importance. Radio no. 2:3-4 F '63.

Regulations for SSB shortwave radio amateur competitions for the challenge cup of the Central Radio Club of the U. S. S. R. Radio no. 2:22 F '63.

Teachers of our young sportsmen. V. Peresadina. Radio no. 2:11-12 F '63.

RADIO COMPASS

General case for determining compass corrections by bearings from two objects. M. M. Leskov. Inform. sbor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15:32-34 '61.

RADIO DETECTORS

Analysis of the performance of a symmetrical limiter operating as a second harmonic detector. N. S. Pili-penko. Avtom. kont. i izm. tekhn. no. 6:59-67 '62.

Detection and detector circuits. V. Bol'shov. Radio no. 3:32-36 Mr '63.

Dynamic characteristics of a synchronous detector with a complex load. L. A. Sintekii, I. U. M. Shumkov. Avtom. kont. i izm. tekhn. no. 6:56-58 '62.

Experimental study of a highly stable transistor phase detector. I. S. Daniluk. Avtom. kont. i izm. tekhn. no. 6:109-113 '62.

Frequency selective characteristics of a phase detector. I. S. Daniluk. Avtom. kont. i izm. tekhn. no. 6:35-38 '62.

Semigraphical method for calculating detector circuits with two nonlinear elements. I. A. Radchenko. Avtom. kont. i izm. tekhn. no. 6:88-92 '62.

RADIO DIRECTION FINDERS

Don't hesitate to spend the necessary time in preparation for the competitions. N. Kazanskii. Radio no. 3:14-15 Mr '63.

Ship sailing on zero-isophase lines with the help of two-channel visual radio direction finders. V. I. Bykov. Inform. sbor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15: 13-17 '61.

RADIO FACSIMILE—EQUIPMENT AND SUPPLIES

Use of facsimile equipment in marine radio communications. Inform. sbor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15:87-90 '61.

RADIO FILTERS

Analysis of the performance of a symmetrical limiter operating as a second harmonic detector. N. S. Pili-penko. Avtom. kont. i izm. tekhn. no. 6:59-67 '62.

Calculation of optimal variable parameters of a linear system with finite memory [with summary in English]. M. F. Romanov. Izv. vya. ucheb. zav. radiofiz. 5 no. 6: 1232-1242 '62.

Choice of error coefficients in a special case of a filtration problem [with summary in English]. B. N. Dobzhinskii. Avtom. i telem. 24 no. 2:280-284 F '63.

Frequency selective characteristics of a phase detector. I. S. Daniluk. Avtom. kont. i izm. tekhn. no. 6:35-38 '62.

Semigraphical method for calculating detector circuits with two nonlinear elements. I. A. Radchenko. Avtom. kont. i izm. tekhn. no. 6:88-92 '62.

Stepped RC filters. V. L. Zmudikov. Radiotekhnika 18 no. 1:61-67 Ja '63.

RADIO FREQUENCY ALLOCATION

Intermodulation interferences and methods of allocating frequencies to marine microwave radio stations. Li Za-son [Yi Cha-song]. Inform. sbor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15:57-67 '61.

RADIO IN NAVIGATION

Economic efficiency in the use of radio navigation systems in the merchant marine. V. M. Pollanekii, A. A. Akushenkov. Inform. sbor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15:7-13 '61.

Intermodulation interferences and methods of allocating frequencies to marine microwave radio stations. Li Za-son [Yi Cha-song]. Inform. sbor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15:57-67 '61.

Konovalev, V. V., and L. I. Kuznetsov. [Radio navigation equipment on ships] Sudovye radionavigatsionnye ustroystva. Moskva, Izd-vo "Morskoi transport," 1962. 374 p.

New marine ASP-4 emergency transmitter. O. P. Bykasov. Inform. sbor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15:48-57 '61.

Use of facsimile equipment in marine radio communications. Inform. sbor. TSNIMF no. 60. Sudovozh. i svyaz' no. 15:87-90 '61.

RADIO INDUSTRY

(see also subdivision under Leningrad)

The girls working in the "VEP" factory. N. Pabo. Radio no. 3:6 Mr '63.

RADIO JOURNALISM

(see also subdivision under Tajikistan)

But childhood years passed long ago... V. Pechetov. Sov. pech. no. 8:28-31 Ag '62.

RADIO LINES

Electromagnetic shock waves in a nonlinear line with lumped parameters [with summary in English]. I. U. K. Bogatyrev. Izv. vya. ucheb. zav. radiofiz. 5 no. 6: 1131-1143 '62.

Field structure of a coaxial line consisting of a metal pipe in which is placed a coaxial hollow cylinder. N. D. Kozyrev. Radiotekhnika 18 no. 1:18-22 Ja '63.

Transient characteristics of a strip-type transmission line. G. V. Glebovich. Radiotekh. i elektron. 8 no. 2: 337-341 F '63.

RADIO MEASUREMENTS

Device for the measurement of a standing-wave ratio. K. Sepp. Radio no. 2:21-22 F '63.

Joint action of fluctuation and determinate interference signals on a modulation-type measuring device. O. I. Gurin. Elektrosvyaz' 17 no. 1:17-23 Ja '63.

Level indicator (from "Funkschau," no. 21 1962). Radio no. 3:56 Mr '63.

Measurement equipment. Radio no. 3:24-26 Mr '63.

Measurement of the noise of frequency multipliers using a transistor diode. A. O. Vial'isev and others. Radiotekh. i elektron. 8 no. 2:349-351 F '63.

Methodology and apparatus for measuring the power of minor lobe radiation of shortwave transmitters. I. I. Seleznev, M. S. Safin, A. D. Taranenko. Elektrosvyaz' 17 no. 1:13-16 Ja '63.

Russia (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Checking of radio measuring devices; instructions] Poverka radioizmeritel'nykh priborov; sbornik instruktsii. Izd. ofitsial'noe. Moskva, Standartglz, 1962. 355 p.

RADIO OPERATORS

CQ SSB. Radio no. 3:31 Mr '63.

Can one be satisfied with small accomplishments? A. Rekach. Radio no. 3:16 Mr '63.

Champion shortwave radio operators. I. U. Prozorovskii. Radio no. 3:10-11 Mr '63.

Concerning people who work with initiative. A. Grif. Radio no. 3:18-9 Mr '63.

Don't hesitate to spend the necessary time in preparation for the competitions. N. Kazanskii. Radio no. 3:14-15 Mr '63.

Friends of the air force pilots. R. Terskii. Radio no. 2: 5-6 F '63.

His dreams have come true. I. A. Kalhanau. Belarus' 20 no. 2:25 F '63.

Invitation of the Yugoslavian radio amateurs has been accepted. Radio no. 3:31 Mr '63.

RADIO OPERATORS (Continued)

- Let us have a "record-breaking week," V. Petrov, Radio no. 2:9 F '63.
- "Organization and judgment of amateur radio competitions" by K. Lutsenko, Radio no. 3:43 Mr '63.
- Our heroic astronauts were awarded a title, "honorary radio operators," Radio no. 2:8 F '63.
- Our new champions, I. Peresypkin, Radio no. 2:10 F '63.
- Output stage and modulator of an amateur radio transmitter, A. Shadskii, Radio no. 3:30-31 Mr '63.
- Public participation in radio amateur work is of the utmost importance, Radio no. 2:3-4 F '63.
- Regulations for SSB shortwave radio amateur competitions for the challenge cup of the Central Radio Club of the U.S.S.R., Radio no. 2:22 F '63.
- Short and ultrashort radio waves, Radio no. 2:13 F '63.
- Short and ultrashort radio waves, Radio no. 3:17-18 Mr '63.
- Teachers of our young sportsmen, V. Peresadina, Radio no. 2:11-12 F '63.
- There is no victory without effort, I. Volkov, Radio no. 3:12-13 Mr '63.
- Tropospheric passage of radio waves with 144 mc. frequency, K. Kallemaa, Radio no. 3:28-29 Mr '63.
- Woman with a big heart, M. Zozulia, Radio no. 3:7 Mr '63.

RADIO RELAY SYSTEMS

- (see also subdivision under Denmark)
- Some problems concerning the construction and use of a radio relay line, G. A. Sokolov, Avtom., telem. i svyaz' 6 no. 7:39-40 Ji '62.

RADIO VISION see Television

RADIO WAVES

- Polarization of cosmic radio waves, Priroda 52 no. 2: 117 '63.

RADIOACTIVATION ANALYSIS

- Activation method for the quantitative determination of organically-bound sulfur impurities in polyphenyls, I. U. G. Sevast'yanov and others, Atom. energ. 14 no. 3: 324-326 Mr '63.
- Conference on radioactivation analysis held in Tashkent, V. M. Patskevich, Atom. energ. 14 no. 3:328-330 Mr '63.

RADIOACTIVE FALLOUT

- Character of the size distribution of particles of natural radioactive dust, K. P. Makhonko, Izv. AN SSSR, Ser. geofiz. no. 1:103-107 Ja '63.
- Radioactive contaminants in the air over the Indian and Pacific Oceans in 1959-1960, V. N. Lavrenchik, G. N. Solov, V. M. Shubko, Atom. energ. 14 no. 3:308-313 Mr '63.

RADIOACTIVE PROSPECTING

- Effect of transfer on the temporal distribution of moderating neutrons and impulse neutron logging, V. F. Zakharchenko, Izv. AN SSSR, Ser. geofiz. no. 10:1357-1367 O '62.
- Using radiometry in the preliminary evaluation of the petroleum potential of structures, N. K. Borchaninov, Geol. nefit i gaza 0 no. 9:33-36 S '62.

RADIOACTIVE SUBSTANCES

- Degree of radiation danger in the industrial use of thoriated electrodes, E. T. Elvskain, Avtom. svar. 15 no. 12:60-65 D '62.
- Radioactivity of plants in the Darwin State Preserve; data for 1958-1959, I. U. A. Polinkov and others, Trudy DGZ no. 7:147-173 '61.

RADIOACTIVE SUBSTANCES—MEASUREMENT

- Bochkarev, V. V., ed. [Techniques of measuring radioactive preparations] Tekhnika izmerenii radioaktivnykh preparatov; sbornik statei, Moskva, Gosatomizdat, 1962, 214 p.

RADIOACTIVE TRACERS

- Radiotracer method for studying the mechanism of moisture transport in drying [with summary in English], N. V. Churnev, Inzh., fiz. zhur. 5 no. 12:41-47 D '62.
- Study of the interaction of gaseous $ZrCl_4$, $HfCl_4$, $NbCl_5$, and $TaCl_5$ with KCl by means of radioactive indicators, I. Zvara, L. K. Tarasov, Zhur. neorg. khim. 7 no. 12: 2655-2670 D '62.
- Using the method of tagged atoms for detecting the heredity in three-year-old spruce seedlings, P. V. Voropayev, A. I. Akhromenko, Trudy Brian. tekhn. inst. 9:253-264 '60.

RADIOACTIVITY

- V. I. Vornadskii and the radioactivity of the earth, A. A. Saukov, Izv. AN SSSR, Ser. geol. 28 no. 3:10-18 Mr '63.

RADIOACTIVITY—MEASUREMENT

- Program for industrial radioactivation analysis, I. U. S. Alpaiev, Avtom. i prib. no. 3:87-88 Ji-S '62.
- Sky correspondence, B. I. Styro, Sov. Soluz no. 3:46-47 '63.
- Sorption effects in measuring the activity of gaseous substances, V. A. Bazhenov, V. V. Bochkarev, T. N. Sokolova, Izv. tekhn. no. 2:57-59 F '63.

RADIOACTIVITY—SAFETY MEASURES

- Shikhov, V. N. [Safety measures in handling radioactive substances] Tekhnika bezopasnosti pri rabote s radioaktivnymi veshchestvami, Moskva, Mashgiz, 1962, 86 p.

RADIOAUTOGRAPHY see Autoradiography

RADIOBIOLOGY—BIBLIOGRAPHY see Bibliography—Radiobiology

RADIOCARBON DATING

- Absolute age of the Upper Paleolithic (Solutrean, Gravettian type) of the Dniester Valley according to radio-carbon analysis data, I. K. Ivanova, A. P. Chernysh, Dokl. AN SSSR 148 no. 2:410-413 Ja '63.

RADIOGRAPHY

- Measurement of relative intensities in the roentgenography of textured samples, V. I. Iveronova, A. S. Kagan, S. M. Nikolaeva, Zhur. tekhn. fiz. 33 no. 1:115-117 Ja '63.
- Simplified method for determining the position of the center of gravity of the interference line circuit, I. A. M. Golovchiner, Zav. lab. 29 no. 1:51-55 '63.
- Some diffusion effects near superstructural reflections on X-ray photographs of the alnico alloy [with summary in English], L. M. Magat, Ukr. fiz. zhur. 8 no. 2:270-272 F '63.

RADIOLOGY, MEDICAL—BIBLIOGRAPHY see Bibliography—Radiology, Medical

RADIOMETER

- Distribution of radiation intensity measured with a wide-aperture receiver, A. A. Dmitriev, Dokl. AN SSSR 147 no. 5:1061-1062 D '62.

RADIOSCOPIC DIAGNOSES see Diagnosis, Radioscopic

RADIOSPECTROSCOPY see Microwave spectroscopy

RADIOTELEPHONE

- (see also subdivision under Denmark; Great Britain)
- Antenna systems for coastal ultra-short-wave radio-telephone stations, M. V. Vershkov, T. A. Onishchenko, Inform. sbor. TSNUMF no. 68, Sudovozh. i svyaz' no. 17:38-45 '61.

RADIOTHERAPY

- State of radiation therapy for malignant tumors and its future prospects according to data of the Erevan Institute of Roentgenology and Oncology, V. A. Fanardzhian, G. T. Grigorian, Vop. rent. i onk. 6:131-138 '61.
- Study of the functional state of the thyroid gland by means of radioactive iodine during radiation therapy for cancer of the larynx and esophagus, G. A. Kezarian, Vop. rent. i onk. 6:211-216 '61.
- X-ray therapy in calcaneal spurs, G. T. Grigorian, Vop. rent. i onk. 6:155-161 '61.

RADIUM

- Contribution of third forbidden transitions to the β -electron spectrum and polarization of RaE , N. P. Popov, Izv. AN SSSR, Ser. fiz. 27 no. 2:283-285 F '63.

RADIUM ISOTOPES

- Preparation of carrier-free $Ac^{228}(MeTh_2)$ and $Ra^{226}(MeTh_1)$ by the ion exchange method, E. Briukher, Radiokhimiya 5 no. 1:142-143 '63.

RAFTS

- Determining the strains occurring in the tackle of sectional rafts, S. A. Vladimirov, Izv. vys. uchob. zav., les. zhur. 5 no. 5:73-82 '62.

RAILING see Handrailing

RAILROAD BRIDGES

- Dynamic stability of rods under the effect of periodic impact loading, A. I. Olfert, Trudy DIT no. 32:136-156 '61.
- Investigating the action of an eight-axle gondola car on the track components and spans of metal bridges, V. I. Kirillov, Trudy MIIT no. 153:54-69 '62.

RAILROAD BRIDGES—MAINTENANCE AND REPAIR

- School of advanced practices, A. V. Boronenko, Put' i put. khoz. 7 no. 2:17 '63.

RAILROAD BRIDGES—TESTING

- Experimental study of the effect of railroad cars on bridges, A. I. Olfert, Z. G. Roitburd, V. A. Smetanin, Trudy DIT no. 32:24-31 '61.

RAILROAD BRIDGES—VIBRATION

- Determining the frequency of free spatial vibrations of arch bridges, G. N. Iakovlev, Trudy DIT no. 32:157-173 '61.
- Experimental study of the spatial vibrations and rigidity of the metal spans of railroad bridges, E. V. Doroshenko, V. P. Tarasenko, Trudy DIT no. 32:5-23 '61.
- Forced spatial vibrations of the girder spans of railroad bridges, N. G. Bondar', Trudy DIT no. 32:88-105 '61.
- Free spatial vibrations and the rigidity of the girder spans of metal bridges, V. P. Tarasenko, Trudy DIT no. 32:32-62 '61.
- Parameters of the natural vibrations of the loaded spans of metal girder railroad bridges, S. I. Konashenko, Trudy DIT no. 32:105-135 '61.

- Stability of spatial vibrations of the girder spans of railroad bridges, N. G. Bondar', Trudy DIT no. 32:83-87 '61.

RAILROAD ENGINEERING

(see also subdivision under Khabarovsk)

- Design of the North Siberia main, V. D. Milen'kii, Transp. stroi. 12 no. 9:41-44 S '62.
- Determining the operation costs in proportion to the transportation volume in comparing the local variants of the route of railroad lines, L. Z. Prasov, Sbor. trud. LIZHT no. 189:54-61 '62.
- Distribution of the center lines of nonstop train meet and passing points, S. A. Orbellants, and others, Sbor. trud. LIZHT no. 189:47-53 '62.
- Hydraulic calculations of the erection processes of filtering dams built by the method of rock filling from the ends in the area of ebb and flow (the fluctuation of levels, A. P. Volnovich, Sbor. trud. LIZHT no. 189:73-80 '62.
- Investigating the possibility of the passage of eight-axle gondola cars over classification yard humps and curved track sections of small radius, B. S. Evstafiev, Trudy MIIT no. 153:93-108 '62.
- Lazarian, V. A. [Use of mathematical machines with continuous action in solving problems of the dynamics of railroad rolling stock] Primenenie matematicheskikh mashin neprekynnogo deistviya k resheniu zadach dinamiki podvijnogo sostava zheleznichnykh dorog, Moskva, Transzheldorizdat, 1963, 217 p.
- Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zhelezнодорожного транспорта. [Truck-type locomotive underframes for high-speed traffic] Teleshechnye ekipazhi lokomotivov dlia povysheniy skorosti dvizheniya, Moskva, Vses. izdatel'sko-poligr. ob'edinenie M-va puti soobshcheniya, 1962, 303 p. (Its Trudy, no. 248)

RAILROAD ENGINEERS see Locomotive engineers

RAILROAD LAW

- Shirakov, N. N., and I. A. Posudin, [Disputes concerning the use of sidings] Spory po pod'ezdnykh putyam, Moskva, Gosizdat, 1962, 72 p. (Biblioteka khoziaistvennika)

RAILROAD MOTORCARS

- The introduction of diesel trains and railroad motorcars is an urgent problem, S. S. Kalinin, Zhelezn. dor. transp. 45 no. 2:28-33 F '63.

RAILROAD RESEARCH

- Air-cushion transportation machines, V. I. Griaznev, Sbor. trud. LIZHT no. 189:16-33 '62.

RAILROADS

(see also subdivision under Bulgaria; Hungary; Mongolia)

- Fifth year of the seven year plan, N. M. Semenov, Avtom., telem. i svyaz' 7 no. 3:1-3 Mr '63.

- Increase the level of operating efficiency, V. D. Buts, Avtom., telem. i svyaz' 6 no. 7:1-4 Ji '62.
- The main roads of communism, T. Khachaturov, Mol. komm. no. 5:50-54 My '62.

- Order-bearing group of construction workers, Avtom., telem. i svyaz' 6 no. 7:7-8 Ji '62.

- Selfless work of railroad employees, N. Gundobin, Agitator no. 13:17-19 Ji '62.

- Unused potentialities of Soviet railroads, A. Karpov, Kommunist 39 no. 5:48-54 Mr '63.

- Urgent problems in the improvement of the means of automation and remote control, B. N. Pushkarov, Zhelezn. dor. transp. 45 no. 2:50-52 F '63.

RAILROADS—ABSTRACTS

- [Railroad transportation] Ref. zhur., Zhelezn. dor. transp. no. 3 Mr '63.

RAILROADS—ACCOUNTS, BOOKKEEPING, ETC.

- Railroad divisions are the basic administrative units in transportation; department of financing and accounting of the Moscow Institute of Railroad Engineers, Zhelezn. dor. transp. 45 no. 2:55-60 F '63.

RAILROADS—BRAKES

- Device for signaling the braking operation of a stop-valve and faulty performance in the brake system of a train, V. A. Grinto, N. N. Klimov, Elek. i tepl. tiaga 7 no. 1:13-14 Ja '63.
- Efficient system of brake shoe suspension, V. A. Dubrovskii, Trudy MIIT no. 150:136-140 '62.
- How to assure smooth braking of passenger trains, V. N. Gorn, Elek. i tepl. tiaga 7 no. 2:40-41 F '63.
- Letters to the editor, Elek. i tepl. tiaga 7 no. 1:45 Ja '63.
- The reliability of inverters is an important factor in regenerative braking, I. G. Mochennov, Elek. i tepl. tiaga 7 no. 1:22-24 Ja '63.

RAILROADS—CARS

(see also subdivision under Moscow)

- A narrow-gauge self-dumping car, A. S. Ivashkov, Elek. sta. 33 no. 12:74 D '62.

RAILROADS—CARS—DESIGN AND CONSTRUCTION

Fitting the car body on the trucks. Shen' Chzhi-Hun' (Shen Chih-Yung). Shor, trud, LIZHT no. 183:104-123 '62.

RAILROADS—CARS—MAINTENANCE AND REPAIR

Use of plastics in car repair. B. I. Kupchinov. Zhel. dor. transp. 45 no. 2:77 F '63.

RAILROADS—CARS—VIBRATION

Investigating the working fluids of vibration dampers. A. A. Mal'nev. Shor, trud, LIZHT no. 183:95-103 '62.

Selecting the design diagrams for determining the frequency of the natural vibrations of railroad cars. I. I. Chelnokov, A. A. Estling. Shor, trud, LIZHT no. 183:3-28 '62.

RAILROADS—COMMUNICATION SYSTEMS

Amplifiers without differential systems in selective communication systems. V. A. Laptev. Avtom., telem. i sviaz' 7 no. 3:26-29 Mr '63.

An antenna mast for the Zhr-5 radio transmitter. E. P. Fedorov. Avtom., telem. i sviaz' 7 no. 1:39 Ja '63.

Electric mail transporting system. N. I. Zubarovskii. Avtom., telem. i sviaz' 7 no. 3:39 Mr '63.

Eliminate shortcomings in KPS-2/3 commutators. V. I. Mit'ko, V. Zakharov. Avtom., telem. i sviaz' 7 no. 3:41 Mr '63.

Experience in operating the Zhr-5 transmitter-receiver. Avtom., telem. i sviaz' 7 no. 3:43 Mr '63.

From the editor's mail. Zhel. dor. transp. 45 no. 2:86 F '63.

High-frequency KRR-30/60-type telephone apparatus for short-distance use. V. M. Sergeev. Avtom., telem. i sviaz' 6 no. 7:10-22 JI '62.

An honorable title calls for greater achievements. I. B. Bronfman. Avtom., telem. i sviaz' 6 no. 7:23-28 JI '62.

Improvement of the antenna of the Zhr-4P transmitter-receiver. A. A. Kalinichenko. Avtom., telem. i sviaz' 7 no. 3:35 Mr '63.

Measurement of nonlinearity attenuation of the high-frequency channels of V-12 and V-12-2 apparatus. N. V. Seleznev. Avtom., telem. i sviaz' 7 no. 1:15-17 Ja '63.

Portable radio transmitter-receivers for car checkers. S. I. Afanas'eva, M. R. Libman. Avtom., telem. i sviaz' 7 no. 1:43-44 Ja '63.

Radio control of train traffic. S. I. Afanas'eva, M. N. Fedotova. Avtom., telem. i sviaz' 7 no. 3:46-47 Mr '63.

Some problems concerning the construction and use of a radio relay line. G. A. Sokolov. Avtom., telem. i sviaz' 6 no. 7:39-40 JI '62.

RAILROADS—CONGRESSES

Congress of the International Union of Railways. A. F. Prontarskii. Elek. i tepl. tlgia 7 no. 1:46-48 Ja '63.

RAILROADS—CONSTRUCTION

(see also subdivision under Iran; Siberia; Turkey)
Development of the technological conditions in the design, planning and construction of second tracks in Russia. M. I. Voronin. Shor, trud, LIZHT no. 189:3-15 '62.

RAILROADS—COST OF OPERATION

(see also subdivision under Kazakhstan)
Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. [Unit replacement system and concentration of locomotive repair work] Agregatnyi metod i kontsentratsiia remonta lokomotivov. Moskva, Vses. izdatel'sko-poligr. ob'edinenie M-va putel soobshcheniia, 1962. 179 p. (Iz Trudy, no. 226)

RAILROADS—CROSSINGS

New designs of automatic crossing gates. I. A. Gutnik. Avtom., telem. i sviaz' 7 no. 3:4-6 Mr '63.
Non-stop crossing of groups of trains. K. Sh. Bairamov. Transp. stroi. 12 no. 7:45-48 JI '62.

RAILROADS—CURRENT SUPPLY

The reliability of inverters is an important factor in regenerative braking. I. G. Mochenov. Elek. i tepl. tlgia 7 no. 1:22-24 Ja '63.

RAILROADS—CURVES AND TURNOUTS

Arranging the lattice of rails and sleepers on the axis. A. O. Zaretskii. Transp. stroi. 12 no. 7:47-49 JI '62.

RAILROADS—EARTHWORK

Stock wooden back stopper. Transp. stroi. 12 no. 9:55 S '62.
Strengthening the slopes of an earth roadbed with soil which is not easily blown away. V. P. Chernavskii, G. A. Iakobson. Transp. stroi. 12 no. 7:8-9 JI '62.
The volumetric weight of shell ballast. Transp. stroi. 12 no. 9:59 S '62.

RAILROADS—ELECTRIC EQUIPMENT

An automatic device for checking the installation of cables and block-type interlocking systems. G. A. Krasovskii. Avtom., telem. i sviaz' 7 no. 1:44-47 Ja '63.

Automatic speed control system in mechanized hump yards. Part 7: Automatic control devices of braking units. N. M. Fonarev, T. A. Nefedova. Avtom., telem. i sviaz' 6 no. 7:8-14 JI '62.

Chamber for testing high-voltage equipment. T. F. Mandrusov. Avtom., telem. i sviaz' 7 no. 3:31-33 Mr '63.

Device for removing terminal blocks. P. F. Laganskii. Avtom., telem. i sviaz' 6 no. 7:42 JI '62.

Eliminate the shortcomings of the line-battery switch. K. V. Zhurin. Avtom., telem. i sviaz' 6 no. 7:44 JI '62.

High-speed contactless pedal. V. P. Bukhgo'l's. Avtom., telem. i sviaz' 7 no. 3:15-17 Mr '63.

Replies to the inquiries of our readers. Avtom., telem. i sviaz' 7 no. 1:42-43 Ja '63.

A storage battery testing device with a polarity switch. P. A. Gorshkov. Avtom., telem. i sviaz' 7 no. 1:38 Ja '63.

Transistor cable locating device. T. F. Mandrusov. Avtom., telem. i sviaz' 7 no. 3:29-31 Mr '63.

The UKDR-1B relay for testing signal lights. A. M. Vasil'sov. Avtom., telem. i sviaz' 7 no. 1:41 Ja '63.

Visual call signaling system. M. I. Gushebin. Avtom., telem. i sviaz' 6 no. 7:40-41 JI '62.

We are improving techniques in testing devices. G. A. Shakhmatov. Avtom., telem. i sviaz' 7 no. 3:22-25 Mr '63.

RAILROADS—ELECTRIC EQUIPMENT—BIBLIOGRAPHY

see Bibliography—Railroads—Electric equipment

RAILROADS—ELECTRIFICATION

(see also subdivision under Caucasus, Northern)

Combined designs of a contact network and outdoor illumination of stations. N. N. Firсанov. Transp. stroi. 12 no. 7:41-44 JI '62.

[Construction work in railroad electrification] Stroitel'-nye raboty pri elektrifikatsii zheleznnykh dorog. Uverzhdeno Glavnym upravleniem uchebnykh zavodov i MPS v kachestvo uchebnogo posobiia dlia vysshikh uchebnykh zavedenii zheleznodorozhnogo transporta. [By] A. P. Alekseev, i dr. Moskva, Transzheldorizdat, 1962. 287 p.

Control room centralization on the Chu-Kashren-Teniz line. V. F. Volokov. Transp. stroi. 12 no. 7:17 JI '62.

The cost of electrification work can be lowered. V. K. Petukhov. Transp. stroi. 12 no. 7:62 JI '62.

Eliminate defects in the standard plan of an alternating-current traction substation. P. S. Kozlovskii, V. V. Slivinskii. Transp. stroi. 12 no. 7:44-45 JI '62.

Highly productive use of the MKTS-2 foundation ditch digger. M. F. Fedotovskii. Transp. stroi. 12 no. 7:14-16 JI '62.

Machine for mechanizing installation operations in railroad electrification. F. F. Bol'shunov, E. M. Sidorov. Transp. stroi. 12 no. 9:18-21 S '62.

Problems of railroad electrification on single-phase current. F. F. Kosov, E. S. Krasovskii, V. N. Davydov. Transp. stroi. 12 no. 7:10-13 JI '62.

We use advanced methods in installing poles. I. M. Lepekha. Transp. stroi. 12 no. 9:4-5 S '62.

RAILROADS—ELECTRONIC EQUIPMENT

Amplifiers without differential systems in selective communication systems. V. A. Laptev. Avtom., telem. i sviaz' 7 no. 3:26-29 Mr '63.

Automatic device for rolling stock computations and determination of the traffic loads of station districts and junctions. V. A. Pershanov, A. P. Poluektov. Avtom., telem. i sviaz' 6 no. 7:14-16 JI '62.

Change in the circuit of ChOS-58 apparatus. I. V. Bavykin. Avtom., telem. i sviaz' 7 no. 1:38 Ja '63.

Device for checking radio transmitters. D. I. Mikhalev. Avtom., telem. i sviaz' 6 no. 7:43 JI '62.

Eliminate shortcomings in KPS-2/3 commutators. V. I. Mit'ko, V. Zakharov. Avtom., telem. i sviaz' 7 no. 3:41 Mr '63.

An honorable title calls for greater achievements. I. B. Bronfman. Avtom., telem. i sviaz' 6 no. 7:23-28 JI '62.

Improvement of the DRS-58 apparatus. L. K. Melent'ev. Avtom., telem. i sviaz' 6 no. 7:38 JI '62.

New sensitivity regulating circuit. S. I. Svalov. Avtom., telem. i sviaz' 7 no. 3:38-39 Mr '63.

Portable radio transmitter-receivers for car checkers. S. I. Afanas'eva, M. R. Libman. Avtom., telem. i sviaz' 7 no. 1:43-44 Ja '63.

Work of a progressive railroad district. M. P. Tolokonnikov. Avtom., telem. i sviaz' 7 no. 1:18-21 Ja '63.

RAILROADS—ELECTRONIC EQUIPMENT—BIBLIOGRAPHY

see Bibliography—Railroads—Electronic equipment

RAILROADS—EMPLOYEES

The automatic block system is operating faultlessly in Leonid Pomebesnyi's district. I. A. S. Kozlov. Avtom., telem. i sviaz' 6 no. 7:26-28 JI '62.
The best brigade leader. B. N. Budnik. Put' i put. khoz. 7 no. 2:33 '63.

A good and useful tradition. V. I. A. Chernichenko, I. A. Rodionov, V. D. Basalaev. Elek. i tepl. tlgia 7 no. 2:43 F '63.

Happy New Year, dear friends! Avtom., telem. i sviaz' 7 no. 1:4 Ja '63.

An honorable title calls for greater achievements. I. B. Bronfman. Avtom., telem. i sviaz' 6 no. 7:23-28 JI '62.

In brief about new developments. Avtom., telem. i sviaz' 7 no. 3:43 Mr '63.

Make every effort to utilize all hidden potentials. I. D. Ushakova. Avtom., telem. i sviaz' 7 no. 3:48 Mr '63.

Order-bearing group of construction workers. Avtom., telem. i sviaz' 6 no. 7:7-8 JI '62.

A progressive and public spirited worker. I. I. Malashin. Elek. i tepl. tlgia 7 no. 2:17 F '63.

Rewarding by the Soviet Government. Avtom., telem. i sviaz' 6 no. 7:8 JI '62.

This is how we have increased labor productivity. A. V. Kutsenko. Elek. i tepl. tlgia 7 no. 1:15-16 Ja '63.

To work harder today means to enjoy greater benefits tomorrow. Avtom., telem. i sviaz' 6 no. 7:5-8 JI '62.

We have fulfilled our obligations. I. A. Zenkva. Avtom., telem. i sviaz' 7 no. 1:23 Ja '63.

Work in the name of a great goal. B. A. Terishnikov. Avtom., telem. i sviaz' 7 no. 3:10-21 Mr '63.

RAILROADS—EMPLOYEES—DISEASES AND HYGIENE

Important requirements concerning labor safety and safety engineering. A. L. Levitskii. Zhel. dor. transp. 45 no. 2:53-54 F '63.

RAILROADS—EMPLOYEES—EDUCATION AND TRAINING

On ship and train. P. Lebedev. Sov. profsoyuzy 10 no. 2:21 Ja '63.

Physics on wheels. I. Sarkislan. Sov. Soluz no. 6:41-43 '62.

Railroad employees study in correspondence institutions. V. I. Tikhomirov. Put' i put. khoz. 7 no. 2:30-31 '63.

RAILROADS—EQUIPMENT AND SUPPLIES

Additional ahoid for the bulldozer. L. A. Bozhanian. Put' i put. khoz. 7 no. 2:27 '63.

Karpov, N. A. [Light vibratory machinery for track maintenance and repair; theory, design, construction, and testing] Legkie vibratsionnye putovye mashiny; teoriia, raschet, konstruirovaniie i ispytaniia. Moskva, Vses. izdatel'sko-poligr. ob'edinenie M-va soobshcheniia, 1962. 311 p. (Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no. 245)

A mobile system for washing diesel rolling stock. I. S. Shashunov. Elek. i tepl. tlgia 6 no. 12:42-43 JI '62.

Using the SN-2 snow removal machine for station track cleaning. M. P. Konnov, L. M. Zavorotkov, P. P. Elizarov. Put' i put. khoz. 7 no. 2:18-19 '63.

Using the tamping machine for track stabilization. V. G. Al'brekht, A. N. Riazanov. Put' i put. khoz. 7 no. 2:16-17 '63.

RAILROADS—FIRES AND FIRE PREVENTION

Bocharov, N. F., V. O. Degtyarev, and A. I. Kovnlov. [Fundamentals of safety engineering and fire-protection measures] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki. Moskva, Transzheldorizdat, 1962. 202 p.

RAILROADS—FREIGHT

Acceleration of car turnover is an important task of the national economy. Zhel. dor. transp. 45 no. 2:3-7 F '63.

All depots of the railroad became profit bringing units. D. T. Fedorov. Zhel. dor. transp. 45 no. 2:73-74 F '63.

Container processing stations on approach tracks. M. F. Trikhunkov. Zhel. dor. transp. 45 no. 2:83-86 F '63.

Effect of the load of a car per linear meter of the track on the operational indices of railroads. V. A. Shevandin. Trudy MIIT no. 153:163-170 '62.

New requirements for the planning of freight transportation. V. A. Merkulov, S. A. Zemliankin, A. I. Sergeev. Zhel. dor. transp. 45 no. 2:14-20 F '63.

Organization of storage and the new conditions of freight transportation. V. N. Barykin. Zhel. dor. transp. 45 no. 2:81-83 F '63.

RAILROADS—FREIGHT CARS

Efficient use of the car changing yards in harbors. N. Bel'deman, V. Lavrenko. Mor. flot 23 no. 2:10-11 F '63.

Evaluating the technological convenience features in the repair of eight-axle gondola cars and analyzing the state of stress of the structure under repair loading conditions. V. V. Lukin. Trudy MIIT no. 153:142-153 '62.

Improving the design of freight cars. G. A. Kazanskii, A. L. Spivakovskii. Zhel. dor. transp. 45 no. 2:81-83 F '63.

Investigating the action of an eight-axle gondola car on the track components and spans of metal bridges. V. I. Kirillov. Trudy MIIT no. 153:54-59 '62.

RAILROADS — FREIGHT CARS (Continued)

Investigating the possibility of the passage of eight-axle gondola cars over classification yard humps and curved track sections of small radius. B. S. Evstat'ev. Trudy MIIT no. 153:93-108 '62.

Selecting the optimum parameters of an eight-axle gondola car. V. V. Lukin. Trudy MIIT no. 153:6-38 '62.
"Ways of reducing empty car mileage" by I. G. Kazovskii, S. T. Hatin. Reviewed by A. I. Iokton. Zhei. dor. transp. 45 no. 2:94-96 F '63.

RAILROADS—FREIGHT CARS—BRAKES

Selecting the basic parameters and design of the brake system for an eight-axle gondola car. V. I. Lariokhin. Trudy MIIT no. 153:70-92 '62.

RAILROADS—FREIGHT CARS—TESTING

Analyzing the state of stress of the body of an eight-axle gondola car. V. I. Kirillov. Trudy MIIT no. 153:109-125 '62.

Evaluation of the dynamic characteristics of an eight-axle gondola car. V. I. Kirillov. Trudy MIIT no. 153:132-141 '62.

RAILROADS—HUMP YARDS

(see also subdivision under United States)

Automatic speed control system in mechanized hump yards. Part 7: Automatic control devices of braking units. N. M. Fonarev, T. A. Nefedova. Avtom., telem. i sviaz' 6 no. 7:9-14 JI '62.

Outstanding maintenance of equipment in hump yards. B. F. Temerov. Avtom., telem. i sviaz' 7 no. 1:21-23 Ja '63.

Repair of equipment in mechanized hump yards. A. I. A. Kosachenko. Avtom., telem. i sviaz' 6 no. 7:31-34 JI '62.

RAILROADS—LABOR PRODUCTIVITY

Zakharenko, N. N. [Technological progress and labor productivity in railroad transportation] Tekhnicheskii progress i proizvoditel'nost' truda na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962, 80 p.

RAILROADS—MAINTENANCE AND REPAIR

(see also subdivision under Otrozhka; Rossosh)

The collective becomes a progressive unit. V. P. Lisin. Put' i put. khoz. 7 no. 2:23-25 '63.

A good and useful tradition. V. I. A. Chornichenko, R. A. Rodionov, V. D. Dnasalnev. Elek. i tepl. tiaga 7 no. 2: 43 F '63.

Specialized subdivisions for roadbed maintenance. A. Sokov. Put' i put. khoz. 7 no. 2:6-7 '63.

Using a scraper winch for roadbed reconditioning. V. K. Polianskii. Put' i put. khoz. 7 no. 2:8 '63.

RAILROADS—MAKING UP TRAINS

(see also subdivision under Soviet Far East)

Moscow. Vsesoluznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. [Construction of a plan for making up trains using electronic computers] Sostavlenie plana formirovaniia poezdov na elektronnykh telfrovnykh vychislitel'nykh mashinakh. Moskva, Vses. Izdatel'sko-poligr. ob'edinenie M-va putel soobshcheniia, 1962, 233 p. (Its Trudy, no. 247)

RAILROADS—MANAGEMENT

Engineers are swamped with unnecessary correspondence work. N. P. Shcherbina. Put' i put. khoz. 7 no. 2:25 '63.

Evaluating the utilization of locomotives. M. A. Mezentsev. Trudy TSNIi MPS no. 246:40-70 '62.

Moscow. Vsesoluznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. [Mechanization and automation of information and accounting work in railroad sections] Mekhanizatsiia i avtomatizatsiia informatsionno-uchetnoi raboty na otdeleniakh zheleznnykh dorog. Moskva, Vses. Izdatel'sko-poligr. ob'edinenie M-va soobshcheniia, 1962, 169 p. (Its Trudy, no. 240)

New principles of the organization of local operations. N. E. Goncharov, N. P. Solov'eva. Zhei. dor. transp. 45 no. 2:63-65 F '63.

Organization of train operations on lengthened haul distances. I. G. Tikhomirov, P. A. Shul'zhenko. Zhei. dor. transp. 45 no. 2:8-13 F '63.

Possibilities of improving the operational work on railroads. S. N. Vargin. Zhei. dor. transp. 45 no. 2:20-22 F '63.

RAILROADS—MODELS

Competitions of the young designers. V. Bartenova. Shkola i prosv. 7 no. 1:47-49 Ja '63.

RAILROADS—PASSENGER CARS—VIBRATION

Methods of testing vibration dampers for passenger cars. B. I. Vishniakov, A. A. Estling. Sbor. trud. LIIZIT no. 183:60-64 '62.

Simplified method of determining the frequency and shape of the natural side vibrations of passenger cars. Ian' Tszlun'-Mao (yan Chun-Mao). Sbor. trud. LIIZIT no. 183:28-54 '62.

RAILROADS—PERIODICALS

Advice to beginning writers. Avtom., telem. i sviaz' 7 no. 3:45 Mr '63.

Readers discuss the publications of "Put' i putevye khoziaistvo" journal. Put' i put. khoz. 7 no. 2:40-41 '63.

RAILROADS—RAILS

Inventions. Gor. zhur. no. 2:74-75 F '63.

Our methods of maintenance of isolated rail joints with metal plates. V. P. Novik. Put' i put. khoz. 7 no. 2: 42 '63.

[Rolling and heat-treatment of railroad rails] Prokatka i termicheskai obrabotka zheleznodorozhnykh rel'sov. [By] P. I. Polukhin i dr. Moskva, Metallurgizdat, 1962, 150 p.

Strained state of rails in the zone of concentrated action of a load. L. P. Birichevskii, N. N. Butorin, V. V. Shchelkunov. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5: 67-72 '62.

RAILROADS—RAILS—DEFECTS

Eliminating the bulges on rail joints. M. B. Iarovoi. Put' i put. khoz. 7 no. 2:41 '63.

RAILROADS—RAILS—FASTENINGS

Experience in the maintenance of rail fastenings of a new type. A. A. Simon. Put' i put. khoz. 7 no. 2:13-14 '63.

RAILROADS—RAILS—TESTING

Proposals of the adjuster of defectoscopes. V. P. Rychagov. Put' i put. khoz. 7 no. 2:28 '63.

Rail defectoscopes (from "Journal and Report of Proceedings of the Permanent Way Institution," vol. 80, 1962). D. P. Belov. Put' i put. khoz. 7 no. 2:46-47 '63.

RAILROADS—RAILS—WELDING

Increasing labor productivity. N. K. Makarov. Put' i put. khoz. 7 no. 2:7 '63.

Our technology of repairing welding machines. N. A. Krupko. Put' i put. khoz. 7 no. 2:15 '63.

Useful proposal of a welder. A. P. Gridin. Put' i put. khoz. 7 no. 2:44 '63.

RAILROADS—REPAIR SHOPS

Repair of equipment in mechanized hump yards. A. I. A. Kosachenko. Avtom., telem. i sviaz' 6 no. 7:31-34 JI '62.

RAILROADS—ROLLING STOCK

Acceleration of car turnover is an important task of the national economy. Zhei. dor. transp. 45 no. 2:3-7 F '63.

RAILROADS—SAFETY MEASURES

Bocharov, N. F., V. O. Degtiarev, and A. I. Kovalev. [Fundamentals of safety engineering and fire-prevention measures] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki. Moskva, Transzheldorizdat, 1962, 202 p.

Important requirements concerning labor safety and safety engineering. A. L. Levitskii. Zhei. dor. transp. 45 no. 2:53-54 F '63.

Regulations for the coordination of the protection of railroads in undermined areas. I. V. Zherobtsov. Bezop. truda v prom. 7 no. 2:39 F '63.

RAILROADS—SALARIES, PENSIONS, ETC.

Manuals on wages for the workers of railway transportation. V. Peretrudov. Sots. trud 8 no. 2:152-155 F '63.

RAILROADS—SANITATION see subdivision under Kazakhstan

RAILROADS—SIGNALING

Attachment to a stand for testing plug-type relays. V. G. Efimov. Avtom., telem. i sviaz' 7 no. 3:33-35 Mr '63.

Automatic device for rolling stock computations and determination of the traffic loads of station districts and junctions. V. A. Persimov, A. P. Poluektov. Avtom., telem. i sviaz' 6 no. 7:14-16 JI '62.

Button-type ringing device for selective communications in railroad stations. A. S. Kapusta. Avtom., telem. i sviaz' 7 no. 3:10-13 Mr '63.

Conference on the future development of signaling systems at railroad crossings. Avtom., telem. i sviaz' 7 no. 1:40 Ja '63.

Device for setting-up switch and signal routes. T. Mitskevich. Avtom., telem. i sviaz' 6 no. 7:45-47 JI '62.

Improve and introduce new technical techniques in a proper way. B. S. Riazantsev. Avtom., telem. i sviaz' 7 no. 1:1-3 Ja '63.

Improvement of the DRS-59 apparatus. L. K. Melent'ov. Avtom., telem. i sviaz' 6 no. 7:38 JI '62.

In brief about new developments. Avtom., telem. i sviaz' 7 no. 3:43 Mr '63.

New developments in the designs and layouts of tie stations. I. I. Urtshev. Avtom., telem. i sviaz' 6 no. 7: 16-19 JI '62.

Outstanding maintenance of equipment in hump yards. B. F. Temerov. Avtom., telem. i sviaz' 7 no. 1:21-23 Ja '63.

Rail control of train traffic. S. I. Afanas'eva, M. N. Fedotova. Avtom., telem. i sviaz' 7 no. 3:45-47 Mr '63.

Replies to the inquiries of our readers. G. N. Zav'ielov and others. Elek. i tepl. tiaga 7 no. 1:43-44 Ja '63.

ShMS cabinets and their use. N. A. Korynyi. Avtom., telem. i sviaz' 7 no. 3:7-9 Mr '63.

To work harder today means to enjoy greater benefits tomorrow. Avtom., telem. i sviaz' 6 no. 7:5-6 JI '62.

A two-wire network for connecting long-distance warning light signals. E. A. Formichev. Avtom., telem. i sviaz' 7 no. 1:9-10 Ja '63.

The UKDR-1B relay for testing signal lights. A. M. Vasil'tsov. Avtom., telem. i sviaz' 7 no. 1:41 Ja '63.

Visual call signaling system. M. I. Gushchin. Avtom., telem. i sviaz' 6 no. 7:40-41 JI '62.

Work of a progressive railroad district. M. P. Tolokonnikov. Avtom., telem. i sviaz' 7 no. 1:18-21 Ja '63.

RAILROADS—SIGNALING—BIBLIOGRAPHY see Bibliography—Railroads—Signaling

RAILROADS—SIGNALING—BLOCK SYSTEM

The automatic block system is operating faultlessly in Leonid Podnebesnyi's district. I. A. S. Kozlov. Avtom., telem. i sviaz' 6 no. 7:26-28 JI '62.

Remarks on semiautomatic block system layouts. D. M. Gumburg, I. U. V. Grigor'ev. Avtom., telem. i sviaz' 6 no. 7:36-37 JI '62.

The TM-32 album on semiautomatic block systems. Avtom., telem. i sviaz' 7 no. 1:41 Ja '63.

We have exceeded plans in the construction of semiautomatic block systems. P. V. Mitin. Avtom., telem. i sviaz' 7 no. 1:26 Ja '63.

RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Eliminate shortcomings in the organization of new systems. E. I. Gamburg. Avtom., telem. i sviaz' 7 no. 3:17-18 Mr '63.

From the editor's mail. M. M. Nikolaeva and others. Avtom., telem. i sviaz' 7 no. 3:44 Mr '63.

Replies to the inquiries of our readers. M. N. Khatskelevich, N. N. Klimov. Elek. i tepl. tiaga 7 no. 2:42 F '63.

Traffic safety in connection with the use of the centralized traffic control system. I. U. T. Timokhin. Zhei. dor. transp. 45 no. 2:78-80 F '63.

Work in the name of a great goal. B. A. Tertishnikov. Avtom., telem. i sviaz' 7 no. 3:19-21 Mr '63.

RAILROADS—SIGNALING—INTERLOCKING SYSTEMS

An automatic device for checking the installation of cables and block-type interlocking systems. G. A. Krasovskii. Avtom., telem. i sviaz' 7 no. 1:44-47 Ja '63.

Make every effort to utilize all hidden potentials. L. D. Ushakov. Avtom., telem. i sviaz' 7 no. 3:42 Mr '63.

Our difficulties. N. A. Litvinov. Avtom., telem. i sviaz' 6 no. 7:44 JI '62.

RAILROADS—STATIONS

(see also subdivision under France; Moscow)

Prospective layout of stations and classification yards. P. V. Bartenev. Zhei. dor. transp. 45 no. 2:38-43 F '63.

[Railroad stations and junctions] Zheleznodorozhnye stantsii i uzly. [By] I. E. Savchenko i dr. Moskva, Transzheldorizdat, 1962, 410 p.

Traditions and innovations in the architecture of railroad stations. E. Vasil'ev. Sov. arkh. it. no. 14:51-68 '62.

RAILROADS—SURVEYING

Diagrams for the plotting of curves in surveying. V. V. Dmitriev. Sbor. trud. LIIZIT no. 199:34-47 '62.

Location survey of new railroad lines by means of a stereomodel prepared with a multiplex. V. A. Khrapkav. Sbor. trud. LIIZIT no. 199:62-72 '62.

RAILROADS—SWITCHES

Our difficulties. N. A. Litvinov. Avtom., telem. i sviaz' 6 no. 7:44 JI '62.

Problem concerning the choice of an a. c. control network for a switch. N. I. Kargalov. Avtom., telem. i sviaz' 7 no. 1:13-14 Ja '63.

RAILROADS—TECHNOLOGICAL INNOVATIONS

Develop the mass movement of efficiency experts and inventors in the locomotive industry in every possible way. N. V. Matukhin. Elek. i tepl. tiaga 8 no. 12: 3-5 D '62.

Zakharenko, N. N. [Technological progress and labor productivity in railroad transportation] Tekhnicheskii progress i proizvoditel'nost' truda na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962, 80 p.

RAILROADS—TIES

Crosstie bedding machine. N. S. Ostapchenko. Mashinostroenie no. 6:100 N-D '62.

RAILROADS—TIES—TESTING

Ties inspected by radioactive rays (from "Railway Age," no. 146, 1959; "Bundesbahn," no. 9, 1960). Put' i put. khoz. 7 no. 2:46 '63.

RAILROADS—TOOLS AND IMPLEMENTS

(see also subdivision under Orsk)

Device for uncoupling snow removal machinery. O. I. Briukhin. Put' i put. khoz. 7 no. 2:29 '63.
Experience in the storage of tools. N. A. Krassin. Put' i put. khoz. 7 no. 2:44 '63.

RAILROADS—TRACK

Answering queries. Put' i put. khoz. 7 no. 2:38 '63.
Automatic grapple for sections of railroad track. I. N. Shurupov. Transp. stroi. 12 no. 7:54-55 JI '62.
Greater responsibility must be assumed for the condition of tracks. A. F. Podpalyi. Put' i put. khoz. 7 no. 2:1-2 '63.
Letters to the editor. Put' i put. khoz. 7 no. 2:36-37 '63.
Modern tendencies in the development of designs of the superstructure. A. N. Sessarevskii. Transp. stroi. 12 no. 9:9-12 S '62.
New technique for laying the second track with reinforced concrete cross-ties. G. I. Novozhilov. Transp. stroi. 12 no. 9:13-16 S '62.

Russia (1923- U. S. S. R.) Glavnoe upravlenie puti i sooruzhenii. [Technical processes in the major repair of track] Tekhnologicheskie protsessy proizvodstva rabot po kapital'nomu remontu puti. Moskva, Transzheldortizdat, 1962. 327 p.

"Tracks in sections with high-speed traffic" by G. I. Shabalin and others. Reviewed by N. A. Chernobrovkin. Put' i put. khoz. 7 no. 2:45 '63.

Use of silicon organic compounds for the control of heaving. D. V. Volotskoi. Zhel. dor. transp. 45 no. 2:75-76 F '63.

Using the tamping machine for track stabilization. V. G. Al'brekht, A. N. Riazanov. Put' i put. khoz. 7 no. 2:16-17 '63.

RAILROADS—TRAINS

The introduction of diesel trains and railroad motorcars is an urgent problem. S. S. Kallnin. Zhel. dor. transp. 45 no. 2:28-33 F '63.

RAILROADS, NARROW-GAUGE

Komarovskala, A. S. [Characteristics of the operation of narrow-gauge logging railroads with diesel locomotive traction] Osobennosti eksploatatsii lesovoznykh uzkokoleinykh zheleznnykh dorog pri teplovoznoi tinge. Moskva, Goslesbumizdat, 1962. 86 p.

RAILROADS, NARROW-GAUGE—TRACK

Narrow-gauge track; efficient types of substructures. A. I. Smirnov. Put' i put. khoz. 7 no. 2:20-22 '63.

RAILROADS, SINGLE-RAIL

Automation of the passage of intrafactory electric trains on crossings. I. E. Bogdanov. Tekst. prom. 23 no. 1:82-84 Ja '63.

RAIN AND RAINFALL see subdivision under Leningrad Province

RAIZER, DAVID IAKOVLEVICH, 1904-1962

David Iakovlevich Raizer; an obituary. Stal' 23 no. 2:191 F '63.

RAME

Using the leaf-diagnosis method to determine the supply of nitrogen, phosphorus, and calcium in the ramie plant. V. M. Kostiaev. Dokl. AN Tadzh. SSR. 3 no. 5:45-47 '60.

RAMS

Provisional instructions on the castration of sheep and goats according to A. A. Balburtsian's method in use on the farms of Armenia. Zhivotnovodstvo 23 no. 5:39 My '61.

RANDOM PROCESSES

Pervozvanskii, A. A. [Random processes in nonlinear automatic systems] Sluchainye protsessy v nelineinykh avtomaticheskikh sistemakh. Moskva, Fizmatgiz, 1962. 351 p.

RANZHUROV—COLLECTIVE FARMS

Pages from the past and present of the Ranzhurovo Buryat village. B. P. Makhatov. Etn. sbor. no. 2:148-151 '61.

RAPALLO, TREATY OF, 1922

"Genoa and Rapallo; history and implementation of the Treaty of Rapallo [in German] by W. Grotian. Reviewed by I. K. Koblikov. Vop. ist. 38 no. 2:167-169 F '63.

RARE EARTH FLUORIDES—ABSORPTION SPECTRA

Infrared spectra of rare earth metal fluorides. L. R. Batsanova, G. N. Grigor'eva, L. S. Batsanov. Zhur. strukt. khim. 4 no. 1:37-42 Ja-F '63.

RARE EARTH METALS

Physicochemical properties of rare earth metals, scandium, and yttrium. E. M. Savitskii, V. F. Terokhova, O. P. Naumkin. Usp. fiz. nauk 79 no. 2:263-293 F '63.

Synthesis and study of types of glass for dishes made with rare earth elements. N. A. Uudin, Z. M. Syritskaya. Stek. i ker. 20 no. 2:21-26 F '63.

RARE EARTH SILICIDES

Chemistry of rare earth silicides. G. V. Samsonov. Usp. khim. 31 no. 12:1478-1495 D '62.

RARE EARTHS

Complex amino-cations of rare earth elements. R. A. Chupakhina, V. V. Serebrennikov. Zhur. neorg. khim. 7 no. 12:2699-2701 D '62.
Research of Marignac on the chemistry of rare earths. O. I. Deineka. Trudy Inst. ist. est. i tekhn. 39:87-94 '62.
Role of Berzelius in the study of the chemistry of rare earths. D. N. Trifonov. Trudy Inst. ist. est. i tekhn. 39:77-86 '62.

RASIT, MEHMET, 1914-

A writer and optimist. S. Uturgauri. Az. i Afr. seg. no. 3:50 Mr '63.

RASKOLNIKS see Old Believers

RAUCH, HEINZ, d. 1962

Heinz Rauch; obituary. Vest. stat. no. 1:81 '63.

RAVENS see subdivision under Lenskiy District (Yakutia)

RAW MATERIALS see subdivision under Africa

RAYON

Application of weak acid cation exchangers for the removal of zinc from waste waters of viscose fiber plants. V. M. Barbol, L. F. Chuprina, A. V. Iudin. Khim. volok. no. 1:50-53 '63.

Development of methods for increasing the lightfastness and thermal stability of cellulose materials. A. D. Virnik, K. Makhamov, Z. A. Bogovin. Khim. volok. no. 1:47-50 '63.

New method of delustrating acetate silk. V. A. Sokolova, V. A. Krizheva, A. I. Nitishinskaya. Khim. volok. no. 3:37-39 '62.

Preparation of acetate silk from a water-acetone solution of acetylcellulose. K. N. Ushakova and others. Khim. volok. no. 1:71-72 '63.

Study of the structural characteristics of various viscose fibers by means of light microscopy. V. A. Berestnev and others. Khim. volok. no. 3:45-48 '62.

Using staple viscous rayon fibers in the manufacture of felt. M. I. Shmerlin. Leh. prom. no. 3:83-84 Je-Ag '62.

RAYON INDUSTRY—EQUIPMENT AND SUPPLIES

Application of epoxide paint and varnish materials for anticorrosive protection of equipment. G. P. Kucherovskaya, V. V. Titova, D. Z. Bobrova. Khim. volok. no. 1:70-71 '63.

RAYON SPINNING

Cleaning of spinnerets in the manufacture of viscose fibers. A. A. Chubukov, A. V. Ivanov, L. L. Chernogorov. Khim. volok. no. 1:69-70 '63.

Processing of viscose and cuprammonium fibers in the hemp and jute industry. P. F. Chemagina, P. I. Gorlov. Izv. vyz. ucheb. zav.; tekhn. tekst. prom. no. 6:56-63 '62.

Unit for continuous production of high-strength viscose cord fiber. G. M. Gutman. Biol. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:52-56 '63.

Using the "Pacific Converter" machine for tow stapling of rayon fibers. V. E. Slyvakov. Tekst. prom. 23 no. 1:38-43 Ja '63.

RAYON SPINNING—TABLES, CALCULATIONS, ETC.

Analyzing the changes in the thickness (mass) of viscose yarn by means of the method of moving averages. F. Kh. Sadykova. Izv. vyz. ucheb. zav.; tekhn. tekst. prom. no. 6:18-24 '62.

REACTION TIME

Determination of chronic reactive states from schizophrenic. A. K. Dobrzhanakaya. Prak. sudobnopshkh. ekspert. no. 4:10-16 '61.

READING (ELEMENTARY)

Influence of print on the reading of the first and second graders [in Georgian with summary in Russian]. N. S. Nasrashvili. Trudy Inst. psikh. AN Gruz. SSR 13:163-175 '62.

Psychological analysis of the teaching of preschool children to read. Report No. 1: Role of intonation in the phonic analysis of words. L. E. Zhurova. Dokl. APN 6 no. 5:61-64 '62.

REAL PROPERTY

A review of judicial practice in cases concerning the property rights on buildings. Sov. iust. no. 3:8-11 F '63.

REALISM IN LITERATURE

Leningrad. Universitet. [Development of realism in the Slavic literatures] Razvitie realizma v slavyanskikh literaturakh; sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1962. 138 p.

More on the Marxist definition of realism. S. Vaisman. Vop. lit. 6 no. 12:61-77 D '62.

REARRANGEMENTS (CHEMISTRY)

Acetylene-allene-acetylene rearrangements of phosphites with a β,γ -acetylene bond in an ester radical. A. N. Pudovik, I. M. Aladzheva. Zhur. ob. khim. 33 no. 2:707-708 F '63.

Acetylene-allene-diene rearrangements of diphosphites with a β,γ -acetylene bond in a common ester radical. A. N. Pudovik, I. M. Aladzheva. Zhur. ob. khim. 33 no. 2:708-709 F '63.

Rearrangement-cleavage of quaternary ammonium salts containing α -allenyl and α -acetylenyl systems. A. T. Babalan and others. Izv. AN Arm. SSR. Khim. nauki 15 no. 6:567-569 '62.

Rearrangement of esters of hydroxymethyl (diethylphosphonate) acetic acid. A. N. Pudovik, I. V. Konvalova, L. V. Dedova. Zhur. ob. khim. 33 no. 2:483-486 F '63.

RECEPTORS (NEUROLOGY)

Response of vascular and tissue receptors of an extremity to the toxin of a septic vibrio; an electrophysiological analysis. S. V. Mugaeva. Dokl. AN SSSR 149 no. 3:720-723 Ja '63.

RECLAMATION OF LAND

(see also subdivision under Soviet Central Asia)
A new cutter-type soil cultivator. A. Chervanek, D. Efimov. Tekhn. v sel'khoz. 22 no. 12:33-34 D '62.

RECORD CHANGERS

The record changers are of poor quality. V. Denisovich. Radio no. 3:4-5 Mr '63.

RECORDING INSTRUMENTS

Selecting some parameters of quick-acting digital indicators. S. M. Vishnevskii. Izv. tekhn. no. 1:40-42 Ja '63.

RECOVERY ROOM (SURGERY) see Postoperative care

RECREATION

Best recreation for days off. A. Pinkina. Klub 11 no. 4:11 Ap '62.

RECTUM—ABNORMALITIES AND DEFORMITIES

Treatment of fistulous forms of rectal and anal stenosis [with summary in English]. T. S. Iakovleva. Vost. khir. 89 no. 11:119-125 N '62.

RED SPIDER—EXTERMINATION see subdivision under Armenia

REDUCTION, CHEMICAL

Mechanism of chemical nickel plating reaction. A. A. Sutiagina, K. M. Gorbunova, M. P. Glazunov. Dokl. AN SSSR 147 no. 5:1133-1136 D '62.

Photochemical and radiation-chemical reduction of silver perchlorate in the presence of organic compounds. I. S. Shegoleva and others. Dokl. AN SSSR 149 no. 3:633-636 Ja '63.

REDUCTION, ELECTROLYTIC

Reduction of naphtholcarboxylic acids. Part 3:

Reduction dimerization of methyl esters of 2,3- and 2,1-naphtholcarboxylic acids. N. M. Prizidalgovskaya and others. Zhur. ob. khim. 33 no. 2:632-635 F '63.

REED, JOHN, 1887-1920

Gladkov, T. K. [John Reed] Dzhon Rid. Moskva, Melodina gvardia, 1962. 287 p. (Zhizn' zamечатel'nykh liudel. Seriya biografiy, no. 14[347])

John Reed, B. Glensson. V mire knig 2 no. 16:7-8 O '62.

REED (BOTANY)

Characteristics of the anatomical structure of leaves of Phragmites communis Trin. growing on saline soils [with summary in English]. V. I. Nikolaevskiy. Ukr. bot. zhur. 10 no. 6:77-81 '62.

REED CANARY GRASS AS FEED

Value of reed canary grass. A. M. Leont'ev. Zhivotnovodstvo 23 no. 6:66-67 Ag '61.

REED PRODUCTS

Large-panel houses for railroad workers with reed insulation. I. Nuzhdin. Zhil. stroi. no. 1:8-10 '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulations SN 231-62 for accident prevention at enterprises preparing reed and manufacturing reed slabs. In effect from January 1, 1963] Pravila tekhniki bezopasnosti na predpriyatiakh po zagotovke kamysha i izgotovleniya kamyshitovykh plit (SN 231-62). Vvoditsya v del'stvo s 1 yanvaria 1963 g. Moskva, Gosstroizdat, 1962. 30 p.

REEFS see subdivision under Ural Mountain region

REELS (TEXTILE MACHINERY)

Rubinov, E. B. [Automatic silk reeling machine of the type developed by the Uzbekistan Scientific Research Institute of the Silk Industry, operated according to the principle of thread tension] Kokonomotat'nyi avtomat tipa UzNDSHP, del'stvyushchii po printsipu raslu-zheniya nitii. Tashkent, Izd. AN UzSSR, 1962. 298 p.

REFLEXES

Age-related changes occurring in a localized defensive unconditioned reaction in white rats. L. V. Komarov. Trudy Inst. vys. nerv. deiat, Ser. fiziol. 7:279-287 '62.

Dynamic interaction of conditioned and nonconditioned reflexes. E. I. Popova. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 7:91-98 '62.

Effect of conditioned reflexes on unconditioned ones in a healthy subject and in functional disturbances of higher nervous activity. A. A. Pavlovskaya, L. P. Rudenko. Trudy Inst. vys. nerv. deiat, Ser. fiziol. 7:177-190 '62.

Effect of pharmacological substances on the reflex reactions of the coronary vessels caused by stimulation of the cardiac receptors [with summary in English]. N. V. Kaverina. Vest. AMN SSR 18 no. 1:10-17 '63.

Effect of reserpine on cardiac chemoreflexes [with summary in English]. I. N. Pidevich. Vest. AMN SSR 18 no. 1:41-47 '63.

Reaction of the arterial vessels in elderly persons. K. A. Morozov. Trudy LETIN no. 4:71-86 '60.

Reflex asymmetry in healthy persons. S. M. Slinin. Vrach. delo no. 11:127-128 N '62.

REFORESTATION

Mechanization of reforestation work. Kh. Z. Gubaidulin. Les, khoz. 15 no. 9:81-82 S '62.

Reconstruction of floodplain aspen plantations by the method of ringing in the Khoper State Preserve; preliminary report. E. G. Gnatenko, I. A. Alekseev. Trudy Khop. gos. zap. no. 5:193-196 '61.

REFORMATORIES

Letter to the editor of the newspaper, "Kommunist." A. Makarenko. Nar. obr. no. 2:92-95 F '63.

Unpublished article of A. S. Makarenko. Semen Sumnyi. Nar. obr. no. 2:96-98 F '63.

REFRACTION, DOUBLE

Kuznetsov, E. A. [Method of comparative birefringence dispersion; a new method for analyzing the chemical composition of crystalline substances] Metod sravnitel'noi dispersii dvuprolomleniya; novyi metod analiza khimicheskogo sostava kristallicheskikh veshchestv. Pod red. S. D. Chetvorikova. Moskva, Gosgeoltekhizdat, 1962, 103 p.

REFRACTIVE INDEX

Comparison of the sensitivity of a single-beam and multi-beam interferometer for the measurement of small changes in the refractive index. I. V. Shokov. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:82-87 Mr-Apr '62.

Simplest apparatus for determining the refractive index of liquids. Tran Khyu Bao. Fiz. v shkole 22 no. 6: 55-58 N-D '62.

REFRACTOMETRY

Bond refractions of zinc in tetrahedral complexes. A. V. Ablov, E. D. Ruchkin. Zhur. strukt. khim. 4 no. 1:50-54 Ja-F '63.

Refractometry of melts. Part I: Nitrates of univalent cations. S. S. Batsanov, I. U. I. Vasin. Zhur. strukt. khim. 4 no. 1:88-100 Ja-F '63.

Structural aspect of transefect. G. B. Bokli, S. S. Batsanov. Zhur. strukt. khim. 4 no. 1:80-84 Ja-F '63.

REFRACTORIES INDUSTRY see subdivision under Nikitovka (Belgorod Province)

REFRACTORIES INDUSTRY—EQUIPMENT AND SUPPLIES

[Kilns and driers of refractory plants] Pechi i sushila ognepornykh zavodov. [By] P. S. Mamaykin i dr. Sverdlovsk, Metallurgizdat, 1963, 471 p.

REFRACTORY MATERIALS

(see also subdivision under Brivan)

"Achievements in the production of refractories" G. I. Fainberg, M. A. Lifshits. Reviewed by R. I. A. Popil'skii. Ogneupory 28 no. 2:98-3 of cover '63.

Automatic control of the charging of rotary kilns operating on the slurry method. I. A. Gaponov. Ogneupory 28 no. 3:105-106 '63.

Automatic return of tunnel kiln cars. N. F. Shestopalov. Ogneupory 28 no. 2:66-70 '63.

Evaluation of stress-rupture strength of materials by parametric methods. I. I. Trunin. Zav. lab. 29 no. 3: 344-352 '63.

For an early completion of the seven-year plan. Ogneupory 28 no. 2:49-52 '63.

Increasing the resistance of stopper materials for high-capacity steel-pouring ladles. P. A. Lande, N. D. Karpova. Ogneupory 28 no. 2:53-57 '63.

Interaction of magnesite-chromite with calcium oxide. I. A. V. Khucharov, V. G. Eger. Ogneupory 28 no. 3: 126-133 '63.

Manufacture of magnesite-spinel refractories and their use in open-hearth furnace roofs. K. K. Tomash, V. D. Maslov. Stal' 23 no. 1:20-22 Ja '63.

Manufacture of refractory products from semi-acid raw materials by the semi-dry press method. M. I. Dygalo, A. P. Kochetova, K. F. Vasil'eva. Ogneupory 28 no. 3: 97-104 '63.

Mixing the grog materials with burning-out fluids to control the structure and increase the heat-resistance of the refractory products. G. V. Kukolev, I. I. Nemets. Ogneupory 28 no. 2:85-92 '63.

Mutual overgrowths of magnesioferrite and forsterite in chromemagnesite brick. M. Sh. Sharafiev, G. V. Orlova. TSement 29 no. 1:15 Ja-F '63.

Prospects for the mining of refractory materials in the Angren Valley. M. I. Dymalov, A. A. Lebedkova. Ogneupory 28 no. 3:112-114 '63.

Refractories made from the waste slag from nickel smelting. V. I. Yakubov, L. L. Chermak, A. I. Vanzha. TSement 29 no. 1:19 Ja-F '63.

Steel pouring and intermediate ladles in a continuous steel-casting plant. V. S. Rutes, A. I. Zubarev. Ogneupory 28 no. 2:78-84 '63.

Titrimetric method for the determination of molybdenum in its carbides, nitrides, borides, and silicides [with summary in English]. L. M. Kugai, T. N. Nazarchuk. Zhur. anal. khim. 17 no. 9:1082-1095 D '62.

REFRACTORY MATERIALS—BIBLIOGRAPHY see Bibliography—Refractory materials

REFRACTORY MATERIALS—HANDBOOKS, MANUALS, ETC.

"Brief handbook for a worker in the production of grog" by G. G. Aristov. Reviewed by V. V. Saparov. Ogneupory 28 no. 3:143 '63.

REFRACTORY MATERIALS—TESTING

Actual problems of testing heat-resistant materials. I. A. Odling. Zav. lab. 29 no. 3:258-260 '63.

Use of vibration mills for the abrasion testing of refractories. E. V. Degtyareva, V. A. Kukhtenko. Ogneupory 28 no. 3:138-140 '63.

REFRIGERATION AND REFRIGERATING MACHINERY—ABSTRACTS

[Chemical and refrigeration machinery manufacture] Ref. zhur.: Khim. i khol. mashinost. nos. 1-3 Ja-Mr '63.

REFRIGERATOR CARS—DESIGN AND CONSTRUCTION

Requirements for refrigerator car design in connection with the application of an over-all mechanization of the loading and unloading of perishable goods. V. P. Gol'nev. Trudy MIT no. 153:154-162 '62.

REFRIGERATOR SHIPS

Refrigerator ship "Sibir". S. S. Vershinin. Blul. tekhn. ekon. Inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:75-76 '63.

REFRIGERATORS

Antonov, A. P., and I. I. Malkov. [Household refrigerators] Domashnie kholodil'niki. [Moskva] Gostorgizdat, 1962, 70 p. (Dlia doma - dlia sem'i)

Lepnev, D. A., and A. A. Meshchankin. [Repair of cooling appliances of home electric refrigerators] Remont kholodil'nykh apparatov i agregatov domashnikh elektrichestvennykh kholodil'nikov. Moskva, Gosmestpromizdat, 1962, 89 p.

REFRIGERATORS—MAINTENANCE AND REPAIR

Repair instead of junk disposal. V. Zhmurov. Mest. prom. i khud. promys. 4 no. 2:17 F '63.

REFUGEES, GREEK—POLITICAL ACTIVITIES

Comité des réfugiés politiques Grèce "Pour la Démocratie en Grèce." [For an amnesty in Greece. Translated from the French] Za amnistiiu v Gretsi; izdanie Komiteta grecheskikh politemigrantov "Za demokratiiu u Gretsi." Moskva, Izd-vo Inostr. lit-ry, 1962, 120 p.

REFUGEES, RUSSIAN see subdivision under London

REFUSE AND REFUSE DISPOSAL

What does our experience teach? P. Zharov. Zhil.-kom. khoz. 12 no. 8:9 Ag '62.

REGENERATION (BIOLOGY)

Cytochemical reactions occurring in the histogenesis of cutaneous wounds in animals following intramuscular injection of leucocytic factors. N. V. Popova. Dokl. AN SSSR 146 no. 2:465-468 Ja '63.

Regeneration and somatic embryogenesis in calcareous sponges of the Sycon type [with summary in English]. G. P. Korotkova. Vest. LGU 18 no. 3:84-87 '63.

Regeneration of tissues treated with extracts irradiated by gamma rays and X rays [with summary in English]. G. D. Tunanishvili. Trudy Inst. fiz. AN Gruz. SSR 8: 108-114 '62.

Zhinkin, L. N. [Regeneration of cells in the organism] Obnovlenie kletok v organizme. Leningrad, Ob-vo po raspr. polit. i nauchn. znaniu RSFSR, 1962, 33 p.

REGENERATION (BOTANY)

Observing the regeneration of tree and shrub vegetation in the temporary flooding zone of Rybinsk Reservoir. K. A. Kudinov. Trudy DZG no. 7:129-138 '61.

REGIONAL PLANNING

(see also subdivision under Sakhalin District)

The road network in regional planning. V. Sokolov. Sel. stroi. 15 no. 3:12-13 Mr '60.

REHABILITATION OF CRIMINALS

Placing in the custody of workers persons sentenced to penalties other than imprisonment, in order to rehabilitate them. M. Babaev. Sov. iust. no. 2:10-12 Ja '63.

REINFORCED CONCRETE

The concrete reinforcement worker I. A. Vichar and his brigade of communist labor. B. V. Kischkov, V. P. Koriakov, S. S. Ivanov. Transp. stroi. 12 no. 9:7-8 S '62.

"Handbook of a young worker on the manufacture of precast reinforced concrete" by I. A. M. Iakobson. Reviewed by A. Kreindlin, E. Khanin. Prof.-tekhn. obr. 20 no. 2:30 F '63.

Prospects for the development of reinforced concrete in connection with the use of new synthetic materials. S. Davydov. Sov. arkhitekt. no. 14:41-50 '62.

Vainboim, D. I. [Automation of the welding of insertion parts in reinforced-concrete elements] Avtomatizatsiya svarki zakladnykh chastei zhelezobetonnykh konstruktstov. Leningrad, 1962, 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 19)

REINFORCED CONCRETE CONSTRUCTION

Auguste Perret was a master of reinforced concrete. G. Buldakov, N. Leiboshits. Sov. arkhitekt. no. 14:135-146 '62.

Reinforced concrete signal towers for triangulation in cities. V. N. Belkov, G. S. Gurova. Geod. i kart. no. 1: 27-32 Ja '63.

REINFORCEMENT (PSYCHOLOGY)

Differentiation of conditioned stimuli sensed by one analyzer in a heterogenic reinforcement. L. V. Kalluzhnyi. Trudy Inst. vys. nerv. deiat, Ser. fiziol. 7: 271-276 '62.

REINFORCEMENT IN CONCRETE see Concrete reinforcement

RELATIVITY (PHYSICS)

The Eötvös experiment [translated from the English]. R. H. Dicke. Usp. fiz. nauk 70 no. 2:333-343 F '63.

A generalization of Einstein's gravitation equations. K. P. Stanukovich. Dokl. AN SSSR 148 no. 2:321-324 Ja '63.

RELIEF MAPS

Relief map of the Antarctic. A. F. Treshnikov. Probl. Arkt. i Antarkt. no. 10:5-9 '62.

Representation of the relief of sandy plains. G. M. Cherepnina. Geod. i kart. no. 1:58-60 Ja '63.

RELIGION

Before it's too late. M. S. Vokalova. Rabotnitsa 40 no. 7:22 Ji '62.

Religion and church abroad. Nauka i rel. 4 no. 1:44-45 Ja '63.

RELIGION—BIBLIOGRAPHY see Bibliography—Religion

RELIGION—CONTROVERSIAL LITERATURE

Has religion a future? O. Onyschenko. Volov. atelst 3 no. 2:41-44 F '63.

What are the roots of your religious beliefs? V. Lentin. Volov. atelst 3 no. 2:26-29 F '63.

Work ennobles man. A. Dybina. Volov. atelst 3 no. 2: 5-9 F '63.

RELIGION, PRIMITIVE

The early forms of religion [in Georgian with summary in Russian]. O. D. Gabidzashvili. Trudy Inst. filo. AN Gruz. SSR 11:103-115 '62.

RELIGIOUS ETHICS

How to study the theme, "The basic differences between communist and religious ethics." Komm. Bel. 37 no. 2:55-59 F '63.

REMOTE CONTROL

Abrukin, A. L., and L. A. Khitrnykh. [Remote control in petroleum production] Telemekhanizatsiya dobychi nefti. Moskva, Gostoptekhzdat, 1962, 302 p.

Automatic signal encoding in a noncontact telemechanical frequency unit. B. K. Skirta, V. S. Romashkin, S. I. Khitsenko. Avtom. i prib. no. 3:12-15 Ji-S '62.

Control room centralization on the Chu-Kashken-Tentz line. V. F. Vollekov. Transp. stroi. 12 no. 7:17 Ji '62.

Engineering and economic efficiency of complex telemechanical and automatic control systems in electric power distribution networks. N. S. Shabalin. Elek. sta. 34 no. 1:60-64 Ja '63.

Remote control of electric locomotives. L. Trubetakov, E. Guzun. Radio no. 2:27 F '63.

System of remote master control of blast flow regulators in blast furnaces. I. A. Rylov. Metallurg 8 no. 2:10 F '63.

Urgent problems in the improvement of the means of automation and remote control. B. N. Pushkarev. Zhel. dor. transp. 45 no. 2:50-52 F '63.

REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekhn. nos. 1-3 Ja-Mr '63.

RENDEZVOUS (SPACE) see *Orbital rendezvous* (Space flight)

RENTAL AUTOMOBILES see *Automobiles, Rental*

RENTING OF EQUIPMENT, ETC. see *subdivision under Barnaul; Moscow*

REPAIR AND SUPPLY STATIONS

Comprehensive excursion to a repair and supply station with tenth grade students. V. M. Mazeev. Fiz. v shkole 22 no. 6:78-79 N-D '62.

REPAIRING see *subdivision under Kzyl-Orda Province*

REPETEK DESERT PRESERVE—BIRDS IN WINTER

More on winter ornithofauna of Repetek. I. U. G. Puzachenko. Ornitologiya no. 5:183-185 '62.

REPETEK REGION—MYNAHS

Ecology of mynah in the Repetek region. I. U. G. Sapozhenkov. Ornitologiya no. 5:177-182 '62.

REPIN, IL'IA EFIMOVICH, 1844-1930

Repin, I. E. [I. E. Repin's painting "Religious procession in the Kursk Government."]. Kartina I. E. Repina "Krestnyi khod v Kurskoi gubernii." Avtor teksta i sost. I. A. Brodskii. Moskva, Sovetskii khudozhnik, 1962. 25 p. plates. (Sokrovishcha russkogo iskusstva)

REPORTS, INDUSTRIAL see *Industrial reports*

REPRESENTATIVE GOVERNMENT AND REPRESENTATION see *subdivision under Great Britain*

REPRODUCTION

Individual variability of the speed of sexual maturation in female steppe voles (*Lagurus lagurus* Pall.). A. V. Pokrovskii. Trudy Inst. biol. UFAN SSSR no. 20:121-123 '62.

Present state of the problem of neurohumoral regulation of reproductive processes in animals (to be continued). V. K. Milyanov. Zhivotnovodstvo 23 no. 8: 88-75 Ag '61.

REPRODUCTION, ASEXUAL

Regeneration and Somatic embryogenesis in calcareous sponges of the Sycon type [with summary in English]. G. P. Korotkova. Vest. LGU 18 no. 3:34-47 '63.

REPTILES see *subdivision under Turkmenistan*

REPTILES—ANATOMY

Data on the anatomy of the vaginae synovialis in amphibians and reptiles. V. G. Ukrainskii. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:165-173 '58.

RESEARCH

(see also *subdivision under Ukraine; Voronezh Province*)

Abstracts of completed research works. Avtom. i prib. no. 3:90-91 Ji-S '62.

Following Lenin's course. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 6 no. 6:5-6 '62.

Let's direct departments to the solution of complex problems. I. A. I. Shnee. Vest. vys. shkoly 21 no. 2:60-61 F '63.

Let's rely on large research groups. A. I. Aarna. Vest. vys. shkoly 21 no. 2:62-64 F '63.

RESEARCH—LAW AND LEGISLATION

Barash, I. A. B. [Contracts for research and design work] Dogovory na vypolnenie nauchno-issledovatel'skikh i konstruktorskikh rabot. Moskva, Gosizdat, 1962. 89 p. (Biblioteka khoziaistvennika i rabotnika iuridicheskoi sluzhby)

RESEARCH, INDUSTRIAL

(see also *subdivision under Ukraine*)

Coming generations of scientists should have continuous guidance and help. S. I. Kuznetsov. Vest. vys. shkoly 21 no. 1:54-57 Ja '63.

The decisions are made by the Institute... Mest. prom. i khud. promys. 3 no. 12:4-5 D '62.

For a unified technological policy. Kozh.-obuv. prom. 5 no. 1:1-3 Ja '63.

Theory of labor productivity and problems in the development of science and technology. G. A. Shaumian. Izv. vys. ucheb. zav. mashinostr. no. 9:5-14 '62.

Two forces. L. Lifshits. Ogonek 40 no. 51:4-5 D '62.

RESERPINE

Effect of reserpine on cardiac chemoreflexes [with summary in English]. I. N. Pidevich. Vest. AMN SSR 18 no. 1:41-47 '63.

Effect of reserpine on the renal blood flow and the glomerular filtration and reabsorption in hypertonic disease. P. I. Mishchenko. Nauch. trudy Chetv. Mosk. gor. klin. bol'n. no. 1:347-355 '61.

RESERVOIRS

(see also *subdivision under Votkinsk*)

Choice of the depth of water cooling reservoirs with consideration of the prevention of the growth of aquatic vegetation. P. A. Denisov. Elek. sta. 34 no. 1:33-37 Ja '63.

RESIGNATION OF EMPLOYEES see *Employees, Resignation of*

RESINS see *Gums and resins*

RESINS, SYNTHETIC

Development of the production of lacquer condensation resins as an important objective of the paint and varnish industry. B. R. Mirenskii. Lakokras. mat. i ikh prim. no. 1:1-2 '63.

Methods of analysis of dicarboxylic acids and their mixtures. A. P. Kreshkov, L. N. Bykova, N. T. Smolova. Lakokras. mat. i ikh prim. no. 1:45-51 '63.

Mofoterm is a foamy insulating material. M. Kuchař. Stroim. 9 no. 2:37-38 F '63.

Pastelike compositions based on polyester resins. N. N. Senatskii. Plast. massy no. 2:26-31 '63.

Use of the three-component systems for initiating the copolymerization of unsaturated polyesters with styrene. Z. V. Mikhailova, P. Z. Li. Plast. massy no. 1: 12-18 '63.

RESINS, SYNTHETIC—CONGRESSES

All-Union Scientific and Technical Conference on the present state and prospects for the development of lacquer condensation resins. A. A. Helovitskii, D. I. A. Gershman. Lakokras. mat. i ikh prim. no. 1:87 '63.

RESINS, SYNTHETIC—TESTING

New drop methods of determining the resistance to heat of polyvinyl resins. E. S. Khoroshaya and others. Nauch.-issl. trudy VNIPIK no. 12:107-109 '60.

RESORCINOL

4-(2-Pyridylazo)-resorcinol, a sensitive reagent for the photometric determination of indium [with summary in English]. P. P. Kish, S. T. Orlovskii, Zhur. anal. khim. 17 no. 9:1057-1062 D '62.

RESPIRATION

Agonal type respiration as reflected by electrograms of medulla oblongata and the respiratory muscles. A. M. Gurvich. Dokl. AN SSSR 148 no. 3:716-719 Ja '63.

Characteristics of the indices of external respiration in older people [with summary in English]. R. A. Batel'man. Vrach. delo no. 11:43-47 N '62.

Characteristics of the respiratory function in elderly and senile persons. I. I. Likhitskaya. Trudy LIETIN no. 4:63-70 '60.

Effect of increased oxygen concentration on the respiratory function [with summary in English]. N. M. Petrun'. Vrach. delo no. 11:101-104 N '62.

Effect of narcotics and analgesics on the pulmonary component of Bezold's reaction [with summary in English]. Z. I. Ivanova. Vest. AMN SSR 18 no. 1:52-58 '63.

Effect of transportation on gas exchange in some crustaceans. I. V. Pomazovskaya. Trudy Kar. fil. AN SSSR no. 33:99-103 '62.

Pulmonary gas interchange in calves of various constitutional types. F. I. Ishankulova. Zhivotnovodstvo 23 no. 7:84-86 Ji '61.

Reflexes of the diaphragm in adequate stimulation of pulmonary and respiratory muscle receptors. V. D. Glebovskii, N. A. Pavlova. Fiziol. zhur. 40 no. 12: 1444-1453 D '63.

Status of external respiration in patients with inflammatory suppurative diseases of the lungs under the influence of antibiotic aerosol treatment. P. S. Fedyskin. Klin. khir. no. 11:28-31 N '62.

RESPIRATORY ORGANS—CANCER

Resection of the common carotid artery in extensive operations for malignant tumors of the upper respiratory tract [with summary in English]. A. A. Emel'yanov, Zhur. ush. nos. i gorl. bol. 22 no. 4:68-72 Ji-Ag '62.

RESPIRATORY ORGANS—DISEASES

(see also *subdivision under Leningrad*)

Necrotic granulomatosis combined with disseminated vasculitis (Wegener's syndrome). G. A. Goldberg, N. F. Kan'shina, I. U. P. Nikitin. Sov. med. 26 no. 12: 84-91 D '62.

RESPIRATORY ORGANS—MAMMALS

Structure of respiratory tracts and their adaptive characteristics in the Russian desman. E. I. Ivanova. Trudy Khop. gos. zap. no. 5:173-190 '61.

RESPIRATORY ORGANS—RADIOGRAPHY

Sadof'ov, A. I. [X-ray diagnosis of the functional state of external respiration under clinical conditions and in the expertise of work capacity] Rentgenodiagnostika sostoi-niia funktsii veshnego dykhanii v klinike i pri eksper-tize trudosposobnosti; metodicheskoe posobie dlia vrachei VTEK i lechebnykh uchrezhdenii. Leningrad, Leningr. nauchno-issl. in-t ekspertizy trudosposob-nosti i organizatsii truda invalidov, 1960. 77 p. (DNLM)

RESPIRATORY ORGANS—WOUNDS AND INJURIES

Burns of the respiratory tract [with summary in English]. L. M. Kliachkin and others. Vest. khir. 89 no. 11:41-48 N '62.

RESTAURANTS, LUNCHROOMS, ETC.

Automation of the enterprises of large-scale public food service abroad. V. G. Butenko, A. V. Liubarskii. Mekh. i avtom. protzv. 17 no. 1:51-53 Ja '63.

Important form of services for our people. Sov. deput. trud. no. 3:6-8 Mr '63.

Methodology of planning public food service. I. Shipun-gin. Sov. torg. 35 no. 9:39-42 S '62.

On the abshkebab and "chaburek" specialty lunchrooms and tasty and cheap dinners. Sov. profsoizyuz 19 no. 4: 24-25 F '63.

RESTAURANTS, LUNCHROOMS, ETC.—MANAGEMENT

Tselykovskii, P. F. [Public dining facilities] Obshche-sivennoe pitanie; uchebnoe posobie po kursu "Ekonomika obshchestvennogo pitania." Leningrad, Leningr. in-t sovetskoi torgovli im. F. Engol'sa, 1962. 60 p.

RETAIL STORES see *Stores, Retail*

RETAIL TRADE

(see also *subdivision under Kazakhstan; Leningrad; Sverdlovsk; Tula; Ukraine; Uzbekistan; Zaporozh'ye*)

From the pages of local newspapers. A. Ilushin. Sov. torg. 30 no. 10:38-39 O '62.

Important form of services for our people. Sov. deput. trud. no. 3:6-8 Mr '63.

In the Ministry of Trade of the R.S.F.S.R. Sov. torg. 36 no. 1:58 Ja '63.

Indices for calculating the size of a retail distribution system. I. Berger. Sov. torg. 36 no. 10:7-9 O '62.

[Trade abroad; organization, new methods, and equip-ment of trade and public food service] Torg. za rub.; org., nov. metody, tekhn. torg. i mass. pit. no. 3 '63.

The turnover of goods in the new year. T. Blaznev. Sov. torg. 36 no. 1:1-4 Ja '63.

RETAIL TRADE—ACCOUNTING

(see also *subdivision under Lvov Province*)

Profitableness of selling individual types of merchandise. A. Makarov. Sov. torg. 36 no. 10:32-34 O '62.

RETAIL TRADE—COSTS

Improve the classification of overhead and marketing costs in retail trade. M. Bakanov, I. A. Sapozhnikov. Vest. stat. no. 1:30-37 '63.

RETAIL TRADE—FINANCE

(see also *subdivision under Leningrad Province*)

Every enterprise should be profitable. N. Sigunov. Sov. torg. 36 no. 10:15-16 O '62.

For effective strengthening of business accounting. S. Borisov. Sov. torg. 35 no. 9:34-36 S '62.

Let's improve the planning of financial indices. F. Oblo-vatskii. Sov. torg. 35 no. 9:10-13 S '62.

RETAIL TRADE—LABOR PRODUCTIVITY

Ways to reduce the expenditure of labor in commerce. A. Novitskii. Sots. trud 0 no. 1:53-57 Ja '63.

RETAIL TRADE—QUALITY CONTROL

Several problems of the expert appraisal of merchandise. V. Vorob'ev. Sov. torg. 30 no. 1:52 Ja '63.

RETICULO-ENDOTHELIAL SYSTEM

Effect of various amounts of autogenous and hetero-genous blood on the absorptive function of the reticulo-endothelial system in sheep [in Armenian with summary in Russian]. M. P. Manvelian. Izv. Glav. upr. sci.-khvz. nauk i podgot. kad. Arm. SSR 6 no. 1:101-85 '62.

RETINA

Spectral sensitivity of retinal receptors as determined in dichromats. N. I. Speranskina. Dokl. AN SSSR 148 no. 3:702-703 Ja '63.

RETINA—BLOOD SUPPLY

Retinal, arterial, and intraocular pressure in carotid cavernous anastomoses. I. P. Dmitrovskaia, F. A. Serbinenko. Probl. sovr. netrokhir. 4:203-211 '62.

RETTING

Investigating the process of liquid aeration in flax retting. V. T. Tatarskov. Izv. vys. ucheb. zav. i tekhn. tekst. prom. no. 6:40-55 '62.

REVOLUTIONARY POETRY, FRENCH

Velikovskii, S. I. [Poets of the French revolutions, 1789-1848] Poety frantsuzskikh revoliutsii, 1789-1848. Moskva, Izd-vo Akad. nauk SSSR, 1963. 277 p. (Akademiia nauk SSSR. Nauchno-populnarnaiia seriia)

REVOLUTIONISTS

(see also *subdivision under Vologda Government*)

"Selected works on the history of Russian revolutionary thought" by B. P. Koz'min. Reviewed by I. V. Porokh. Vop. ist. 38 no. 2:143-146 F '63.

REVOLUTIONISTS—BIBLIOGRAPHY see *Bibliography—Revolutionists*

REVOLUTIONS

Boletin, A. I. [The theory of struggle and victories; Lenin's theory of socialist revolution and its further development in the program of the CPSU] Teoriia bor'by i pobed; leninskaiia teoriia sotsialisticheskoi revoliutsii i ee dal'neishee razvitiie v Programme KPSS. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoo v zhizni, nauche, tekhnike, i Seriia: Letoriia, no. 4)

REWARDS (PRIZES, ETC.)

- Awarding I. M. Gubkin's prizes. Vest. AN SSSR 33 no. 2:114 F '63.
Awarding S. V. Lebedev's prizes. Vest. AN SSSR 33 no. 2:114 F '63.
Competitions for gold medals and prizes of the Academy of Sciences of the U. S. S. R., 1963. Zap. Vses. min. ob-va 91 no. 6:743-744 '62.

RHENIUM—ANALYSIS

Ion exchange method for the separation of rhenium from molybdenum and other elements. Report No. 3: Ion exchange separation of rhenium from molybdenum, selenium, and tellurium in a strong alkaline medium. M. V. Darbinian, D. S. Galbekian. Izv. AN Arm. SSR. Khim. nauki 15 no. 6:511-519 '62.

RHENIUM COMPOUNDS

Structure of $(\text{PyH})\text{ReCl}_4$. V. G. Kuznetsov, P. A. Koz'min. Zhur. strukt. khim. 4 no. 1:55-62 Ja-F '63.

RHEUMATIC FEVER

C-reactive protein in rheumatic fever [with summary in English]. A. A. Batsvich. Vrach. delo no. 1:29-32 Ja '63.

Changes in the polysaccharides of the blood serum in rheumatic children depending upon the method of treatment [with summary in English]. L. N. Tikhonchuk, E. K. Iuzefovich. Vop. revm. 2 no. 3:61-65 Ji-S '62.

Clinical aspects and pathology of primary rheumatic fever in elderly patients [with summary in English]. G. K. Alekseev, V. A. Kirillov, O. V. Shnyrenkova. Vop. revm. 2 no. 3:77-81 Ji-S '62.

Clinical aspects of choroidal and retinal vascular pathology in rheumatic fever [with summary in English]. O. I. Shershevskaia. Vop. revm. 2 no. 3:73-77 Ji-S '62.

Deterioration of mucoprotein (by its tyrosin) in rheumatic fever patients [with summary in English]. L. I. Morozova. Vrach. delo no. 11:34-39 N '62.

Dispensary treatment of rheumatic patients. S. M. Dukhovichnyi. Vrach. delo no. 11:120-121 N '62.

"Immunology of rheumatic fever" by V. I. Joffe. Reviewed by V. I. Sachkov. Vop. revm. 2 no. 3:89-94 Ji-S '62.

New data on immunological features in rheumatic fever and tonsillar diseases [with summary in English]. P. P. Sakharov and others. Vop. revm. 2 no. 3:12-17 Ji-S '62.

Plasmacytic hyperplasia in lymphoid organs in rheumatic fever [with summary in English]. A. S. Kaplanski. Vop. revm. 2 no. 3:6-11 Ji-S '62.

Prophylactic significance of rational rehabilitation in sluggish and latent rheumatic fever [with summary in English]. O. I. Sokol'nikov, I. D. Arbatskaya, O. L. Dukhovskaya. Vop. revm. 2 no. 3:65-69 Ji-S '62.

Zelenetskaya, S. S., and T. P. Churakova. [Rheumatic fever in children and its control] Revmatizm u detei i bor'ba s nim. Moskva, Medgiz, 1962, 13 p. (Sovetskiy roditel'skiy) (DNLM)

RHEUMATIC FEVER—CONGRESSES

Problems of rheumatic fever at the Sixth Conference of Therapeutists of the Lithuanian S. S. R. A. I. Zilguda. Vop. revm. 2 no. 3:85-86 Ji-S '62.

RHEUMATIC FEVER—PERIODICALS

Report of the board of editors of the periodical "Voprosy revmatizma." V. I. Sachkov. Vop. revm. 2 no. 3:87-88 Ji-S '62.

RHEUMATIC FEVER—RESEARCH

Soviet rheumatology needs qualified scientists. Vop. revm. 2 no. 3:3-5 Ji-S '62.

RHEUMATIC HEART DISEASE

Activity of rheumatic heart disease [in Georgian with summary in Russian]. I. N. TSintsadze. Trudy Tbil. GIDUV 6:119-126 '62.

Changes in the electric activity of the brain of rheumatic patients who have suffered disorders of cerebral circulation [with summary in English]. V. A. Chukhrova, M. I. Konchakova. Vop. revm. 2 no. 3:40-48 Ji-S '62.

Clinical biochemical and clinical immunological characteristics of rheumatic carditis under pathomorphological control. Report No. 1 [with summary in English]. V. V. Shedov. Vop. revm. 2 no. 3:22-31 Ji-S '62.

Coronary insufficiency in rheumatic heart defects [with summary in English]. S. P. Tatevosov. Vop. revm. 2 no. 3:48-54 Ji-S '62.

Eosinophilic type leukemoid reaction in a rheumatic female patient following treatment with fenuril [with summary in English]. V. B. Usman. Vop. revm. 2 no. 3:82-84 Ji-S '62.

Modern aspects of the treatment of rheumatic carditis [with summary in English]. T. I. Bibikova, I. A. Sigidin. Vop. revm. 2 no. 3:64-61 Ji-S '62.

Necrotic complications in the high degrees of cardiac insufficiency. N. M. Loman, M. I. U. Robinson. Sov. med. 26 no. 12:81-84 D '62.

Organization of therapeutic and preventive measures in the control of rheumatism in a polyclinic. D. I. Bor-man, Zdrav. Ros. Feder. 7 no. 1:23-26 Ja '63.

Problems in the dispensary treatment of rheumatic patients. F. F. Tkachuk. Vrach. delo no. 11:122-123 N '62.

Role of therapeutic measures in chronic tonsillitis and angina during the compound treatment of rheumatic carditis [with summary in English]. L. I. Gelfer. Vop. revm. 2 no. 3:69-73 Ji-S '62.

RHINE RIVER—INLAND WATER TRANSPORTATION

Work of the river fleet on the Rhine. M. Rozenberg. Rech. transp. 22 no. 1:54-55 Ja '63.

RHIZOSPHERE MICROBIOLOGY see subdivision under Moldavia

RHODESIA, NORTHERN—NONFERROUS METAL INDUSTRIES

Role of Northern Rhodesia in the international division of labor. N. P. Kolmychikova. Uch. zap. LGU no. 315: 168-187 '62.

RHODESIA, NORTHERN—POPULATION

Population of Northern Rhodesia. N. P. Kolmychikova. Uch. zap. LGU no. 315:154-167 '62.

RHODESIA, NORTHERN—STRIKES AND LOCKOUTS

Strikes in Northern Rhodesia. D. Kasatkin. Nov. vrem. 20 no. 10:21 Mr '63.

RHODESIA, SOUTHERN—POLITICS AND GOVERNMENT

"Forbidden zone" [in Swedish] by Per Wälsberg. Reviewed by V. Sidenko. Az. i Afr. seg. no. 2:57-58 F '63.

RHODESIA AND NYASALAND—POLITICS AND GOVERNMENT

Central Africa: The end of a great adventure. K. Gelvandov. Az. i Afr. seg. no. 3:9-10 Mr '63.

RHODIUM

Solubilization of metallic Rh and its alloys. M. Balika, V. I. Baranovskii, M. K. Nikitina. Zav. lab. 29 no. 1:35 '63.

RHODIUM—ELECTRIC PROPERTIES

Field emission of rhodium. V. I. Makukha. Radiotekh. i elektron. 8 no. 2:352-354 F '63.

RHUS, FOSSIL see subdivision under Transcaucasia

RIBOFLAVIN

Riboflavin metabolism in infectious hepatitis. M. T. Turapov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3: 60-69 '62.

Vitamin B₂ (riboflavin) content in the blood, urine and organs in cases of infectious hepatitis. M. T. Turapov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:70-72 '62.

RICE see subdivision under Rybinsk Reservoir region

RIGA—BUILDING

Famous builder of Latvia. Stroitel' 8 no. 2:11 F '62.

RIGA—COMMUNITY CENTERS

Community center of technological promotion. V. Kachkaidza. Klub 11 no. 4:8-10 Ap '62.

RIGA—EFFICIENCY, INDUSTRIAL

All these men are efficiency promoters. A. Borbals. Mest. prom. i khud. promys. 3 no. 12:33 D '62.

RIGA—NEWSPAPER AND PERIODICAL CIRCULATION

Everyone subscribed. I. A. Frisher. Raspr. pech. no. 12: 8-9 D '62.

RIGA—SHOE INDUSTRY—EQUIPMENT AND SUPPLIES

Small size conveyor. A. Podlesov. Mest. prom. i khud. promys. 4 no. 2:7-8 F '63.

RIGA—SILK MANUFACTURE

Helping people, that is our mission. E. Kozlova. Agitator no. 4:30-32 F '63.

RIGA—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Work, creativeness, and joy. V. Naumov. Okhr. truda i sots. strakh. 5 no. 12:11 D '62.

RIGA—TROUSERS

Trousers tailored on the continuous production line. E. Sheshkov. Mest. prom. i khud. promys. 3 no. 1: 9-10 Ja '63.

RIGA, GULF OF—FISHES—FOOD

Adaptive changes in the growth of the Baltic herring Clupea harengus membras L. of the Gulf of Riga as related to the food supply. A. V. Chepurinov. Vop. ikht. 3 no. 1:124-130 '63.

RIGA, GULF OF—HERRING

Adaptive changes in the growth of the Baltic herring Clupea harengus membras L. of the Gulf of Riga as related to the food supply. A. V. Chepurinov. Vop. ikht. 3 no. 1:124-130 '63.

RIGA REGION—LAKES

Kacalova, O., A. Kumsare, and M. Kundzins. [Large lakes in the vicinity of Riga] Lielie ezeri Rigas apkārtnē. Riga, Latvijas PSR Zinatnu Akademijas Izdevniecība, 1962, 66 p. [in Latvian]

RIGHT OF PROPERTY

A review of judicial practice in cases concerning the property rights on buildings. Sov. iust. no. 3:8-11 F '63.

Time of the transfer of property rights in the sale and purchase of real property. P. Nikituk. Rad. pravo no. 1:83-85 Ja-F '63.

RIGHT TO LABOR

Right to work. M. Baru. Rad. pravo no. 5:8-16 S-O '62.

RIGS, OIL WELL DRILLING see Oil well drilling rigs

RILKE, RAINER MARIA, 1875-1926

Izars'kyl, Oleksa, pseud. [Rilke in the Ukraine] Ril'ke na Ukraïni. Philadelphia, "Kyiv," 1952, 56 p. (Literaturoznavcha biblioteka, pt. 1) (InU)

Poetry of Rainer Maria Rilke. V. Admoni. Vop. lit. 6 no. 12:138-158 D '62.

RINDERPEST

S. S. Evseenko, founder of the specific prophylaxis of cattle plague. N. I. Lapanov. Veterinaria 37 no. 7: 85-86 Ji '63.

RUNGED SEAL see subdivision under Malye Ushkan' Islands

RINGS (ALGEBRA)

On the isomorphism of rings of continuous endomorphisms. A. V. Mikhalev. Sib. mat. zhur. 4 no. 1:177-186 Ja-F '63.

RINKOLITE

Stepnev, I. U. S. [Lovchorite-rinkolite pegmatites] Lovchorit-rinkolitovye pegmatity. Moskva, Izd-vo Akad. nauk SSSR, 1962, 149 p. (Akademiya nauk SSSR. Institut mineralogii, geokhimi i kristalloghimii redkikh elementov. Trudy, no. 13)
Rings with injective cyclic moduli. L. A. Skornikov. Dokl. AN SSSR 148 no. 1:40-43 Ja '63.

RISERS (FOUNDING)

Exothermic riser heads on steel castings. A. I. Zorin. Lit. proizv. no. 7:35 Ji '62.
Use of charcoal for the heating of large risers. N. A. Vashukov and others. Lit. proizv. no. 7:10-11 Ji '62.

RITES AND CEREMONIES

(see also subdivision under Chernigor District; Gorodok District)

They have celebrated the birth of their first child. A. Soloviev. Voiev. teist 3 no. 2:22 F '63.

RIVERS

(see also subdivision under Soviet Central Asia; Ukraine; Volgoda Province)

Popov, I. V. [Methodological principles studying river channel processes] Metodicheskie osnovy issledovaniy ruslovogo protessa. Pod red. N. E. Kondrat'eva. Leningrad, Gidrometeoizdat, 1961, 204 p.

Role of artemian waters as a source of large rivers as revealed by the studies in the middle and lower Neman Valley. I. S. Zektser. Meteor. i gidrol. no. 2:42-46 F '63.

RIVERS—REGULATION

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie vodnykh putei i gidrotekhnicheskikh sooruzhenii. [Practical manual on channel improvement operations in inland waterways] Prakticheskoe posobie po proizvodstvu vypravitel'nykh rabot na vnutrennikh vodnykh putakh. Leningrad, Izd-vo "Technol. transport," 1961, 275 p.

RIVETS AND RIVETING

Manual pneumatic clamps for power riveting. M. A. Rokhonenko, B. L. Smolenski. Kuz.-shtam. proizv. 6 no. 1:42-43 Ja '63.

ROACH (FISH)

(see also subdivision under Caspian Sea; Kuybyshev Reservoir)

Dynamics of the fecundity in fishes as exemplified by the roach Rutilus rutilus (L.). V. D. Spanovskaya, V. A. Grigorash, T. N. Liagina. Vop. ikht. 3 no. 1:67-83 '63.

ROAD CONSTRUCTION

(see also subdivision under Kuznetsk Basin; Molitopol' region; Uzbekistan)

Build rapidly, efficiently and economically. Avi. dor. 25 no. 8:1-2 Ag '62.

Effective use of equipment is the most urgent objective of the national economy. I. I. Tolstol. Avi. dor. 25 no. 12:1-3 D '62.

[Examples of the design of roads and public transportation systems in cities] Primery proektirovaniya dorog i sotsial'nogo transporta v gorodakh. [By] E. A. Morkulov i dr. Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 265 p.

How to implement the law in the construction of roads. M. Katjuk. Sov. deput. trad. no. 3:100-101 Mr '63.

Potentialities for the development of labor productivity in road construction. A. A. Kevorkov. Avi. dor. 25 no. 12:4-5 D '62.

Work in two or three shifts. S. P. Fedoseev. Avi. dor. 25 no. 8:3-4 Ag '62.

- ROAD CONSTRUCTION—BIBLIOGRAPHY** see Bibliography—Road construction
- ROAD CONSTRUCTION—TECHNOLOGICAL INNOVATIONS**
Road-construction workers and innovators. V. Sokolov. Avt. dor. 25 no. 8:9-10 Ag '62.
- ROAD CONSTRUCTION WORKERS**
Training specialists for mass professions in road construction. B. E. Belfaev, E. V. Aksinovich. Avt. dor. 25 no. 8:5 Ag '62.
- ROAD MACHINERY**
(see also subdivision under Poland)
Calculation of economic effectiveness of the introduction of new equipment. M. Ritov. Avt. dor. 25 no. 12:5-6 D '62.
The D-471 tamping machine. V. T. Mikhailov. Avt. dor. 25 no. 8:17 Ag '62.
Diesel powered tamping machine. A. T. Karpov. Avt. dor. 25 no. 8:18-19 Ag '62.
Increasing the capacity of the SN-13 screen. V. Goncharov. Avt. dor. 25 no. 12:26 D '62.
- ROAD MACHINERY—ABSTRACTS**
[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur.: Gor., stroit. i dor. mashinostr. nos. 1-3 Ja-Mr '63.
- ROAD MACHINERY—MAINTENANCE AND REPAIR**
Ashenko, S. M., and P. L. Klauz. [Repair of road and construction machinery] Remont putyevykh i stroitel'nykh mashin; uchebnoe posobie po distsipline "Tekhnologiya mashinostroeniya i remont mashin" dlia studentov V kursa spetsial'nosti "Stroitel'nye i dorozhnye mashiny i oborudovanie." Moskva, Vses. zaочnyi in-t inzhenerov zhel-dor. transp., 1962. 108 p.
Kuznetsov, A. I. [Course project on the repair of motor vehicles and road machinery] Kursovoe proektirovanie po remontu avtomobilei i dorozhnykh mashin. Moskva, Avtoizdat, 1962. 190 p.
Mechanization of assembly and welding operations in the repair of road machinery. N. Z. Semenov. Transp. stroit. 12 no. 7:55-56 Ji '62.
- ROAD MACHINERY INDUSTRY** see subdivision under Nikolayev
- ROAD MATERIALS**
Lysikhina, A. I. [Road pavements and subgrades made with bitumens and tars] Dorozhnye pokrytiya i osnovaniya s primeneniem bitumov i degtel. Moskva, Avtoizdat, 1962. 359 p.
Using local gatzes. O. M. Priima. Avt. dor. 25 no. 12:28 D '62.
- ROAD ROLLERS**
Soil stabilization with tamping-type roller. I. U. M. Vasil'ev, M. P. Kostikov. Avt. dor. 25 no. 8:19 Ag '62.
- ROADS**
Evaluation of the productivity of road service by transportation criteria. M. F. Smirnov. Avt. dor. 25 no. 12:7-8 D '62.
Leningrad, Inzhenerno-stroitel'nyi Institut. Nauchnaia konferentsiia. [Roads and bridges; reports of the 20th Scientific Conference] Dorogi i mosty; doklady XX nauchnoi konferentsii. Leningrad, 1962. 33 p.
The road network in regional planning. V. Sokolov. Sel. stroit. 15 no. 3:12-13 Mr '60.
Unsuccessful poster on road maintenance in winter. Dubkov. Avt. dor. 25 no. 12:29 D '62.
- ROADS—ABSTRACTS**
[Highways] Ref. zhur.: Avt. dor. nos. 1-3 Ja-Mr '63.
- ROBBERY** see subdivision under Pavlograd
- ROCK BOLTS** see Mine roof bolting
- ROCK PRESSURE**
(see also subdivision under Donetsk Basin)
Basic means of lowering rock pressure in workings of the draw horizon. N. A. Egorov. Trudy Inst. gor. dela AN URSS no. 11:82-88 '62.
Effect of natural fracturing on the stability of outcrops. I. U. P. Zubarev. Trudy Inst. gor. dela AN URSS no. 11:37-46 '62.
Establishing the relationship between the size of pieces of broken rock and the pressure on the supporting wall. I. U. A. Onishchenko. Trudy Inst. gor. dela AN URSS no. 11:41-46 '62.
Nauchno-koordinatsionnoe soveshchaniye, posylashchennoe voprosam issledovaniya fiziko-mekhanicheskikh svoystv gornyykh porod primenitel'no k zadacham upravleniya gornym davleniem. Moscow, 1961. [Papers from a scientific coordinating conference devoted to problems in the study of the physico-mechanical properties of rocks in connection with controlling rock pressure] Sbornik statei. Pod red. M. M. Protod'akonova i R. I. Tadera. Moskva, Izd-vo Akad. nauk SSSR, 1962. 192 p.
- ROCK WOOL** see Mineral wool
- ROCKET ENGINES—ABSTRACTS**
[Aircraft and rocket engines] Ref. zhur.: Av. i raket. dvig. nos. 1-3 Ja-Mr '63.
- ROCKETRY—ABSTRACTS**
[Rocket building] Ref. zhur.: Raketost. nos. 1-2, 4 Ja-F, Ap '63.
- ROCKETS (AERONAUTICS)—MODELS**
Competition of rocket-model builders. Kryn. rod. 13 no. 7:25 Ji '62.
- ROCKETS (ORDNANCE)**
Popad'ko, I. I., and D. A. Uriupin, comps. [Rocket weapons of capitalist countries; based on materials of the foreign press for 1960-1962] Raketnoe oruzhie kapitalisticheskikh stran; po materialam zarubezhnoi pechati, 1960-1962 gg. Moskva, Voenizdat, 1962. 247 p. (Bibliotekha v pomoshch' ofitseru)
- ROCKING**
Availability of atherines to the nocturnal predator, the rockling Gaidropsarus mediterraneus L. under various light conditions. D. S. Pavlov. Vop. ikht. 3 no. 1:158-162 '63.
- ROCKS** see subdivision under Kytlym region
- ROCKS—ANALYSIS**
Determination of the quantitative change of a substance in metasomatic processes. V. A. Rudnik. Zap. Vses. min. ob-va 91 no. 8:683-689 '62.
- ROCKS—DENSITY**
Density of clay rocks and the tectonic structure. E. A. Prozorovich. Geol. nefti i gaza 9 no. 9:55-59 S '62.
- ROCKS—ELASTIC PROPERTIES**
Silaeva, O. I. [Using ultrasound in studying the propagation of elastic wave velocities and elastic parameters in rock samples at uniaxial pressure] Issledovaniya s pomoshch'yu ultrazvuka skorostei rasprostraneniya uprugikh voln i uprugikh parametrov v obraztsakh gornyykh porod pri odnostoronnem davlenii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 110 p. (Akademiia nauk SSSR. Institut fiziki Zemli. Trudy, no. 27)
- ROCKS—ELECTRIC PROPERTIES**
Dielectric permeability and polarizability of rocks. G. V. Astrakhanov. Izv. AN SSSR. Ser. geofiz. no. 12:1802-1803 '62.
- ROCKS—TESTING**
(see also subdivision under Krtvov Rog Basin; Vestfold Hills, Antarctica)
Essential data for engineering geological studies of rocks in deposits. N. A. Starikov and others. Trudy Inst. gor. dela AN URSS no. 11:88-89 '62.
Nauchno-koordinatsionnoe soveshchaniye, posylashchennoe voprosam issledovaniya fiziko-mekhanicheskikh svoystv gornyykh porod primenitel'no k zadacham upravleniya gornym davleniem. Moscow, 1961. [Papers from a scientific coordinating conference devoted to problems in the study of the physico-mechanical properties of rocks in connection with controlling rock pressure] Sbornik statei. Pod red. M. M. Protod'akonova i R. I. Tadera. Moskva, Izd-vo Akad. nauk SSSR, 1962. 192 p.
- ROCKS, CARBONATE** see subdivision under Central Siberian Plateau; Volgograd Province
- ROCKS, CARBONATE—TESTING** see subdivision under Kuybyshev Province
- ROCKS, CRYSTALLINE AND METAMORPHIC**
(see also subdivision under Ural Mountains)
Geological prerequisites for surveying crystalline complexes. B. M. Ronenson. Mat. po geol. i pol. iskop. Urals no. 10:13-44 '62.
- ROCKS, CRYSTALLINE AND METAMORPHIC—ANALYSIS** see subdivision under Armenia
- ROCKS, IGNEOUS** see subdivision under Atanasor Lake region; Chona Valley; Chu-Ili Mountains; Lower Tunguska Valley; Olkma Valley; Sayan Mountains; Soviet Central Asia
- ROCKS, IGNEOUS—ANALYSIS** see subdivision under Armenia; Nakhichevan A. S. S. R.
- ROCKS, SEDIMENTARY**
Paleomorphism of sedimentary rocks. Trudy SNIIGIMS no. 13:57-64 '60.
Some problems of the mineralogy of dispersed rocks. A. G. Seidov. Vest. AN SSSR 33 no. 2:60-65 F '63.
Strakhov, N. M. [Fundamentals of the theory of lithogenesis] Osnovy teorii litogeneza. Moskva, Izd-vo Akad. nauk SSSR, 1962. 549 p.
Vol. 3. [Characteristics of the composition and distribution of arid sediments] Zakonomernosti sostava i razmeshcheniya aridnykh otlozhenii. 1962. 549 p.
- ROCKS, SEDIMENTARY—CLASSIFICATION** see subdivision under Donetsk Basin
- RODENT CONTROL—BIOLOGICAL CONTROL**
Prokhorov, M. I. [Microbiological control of harmful rodents] Mikrobiologicheskiy metod bor'by s vrednymi gryzunami. Leningrad, Sel'khozizdat, 1962. 132 p. (DNI)
- RODENTIA**
Correlation between the morphological characteristics of rodents and the rate of their growth and some problems of intraspecific taxonomy. S. S. Sivars. Trudy Inst. biol. UFAN SSSR no. 20:5-14 '62.
- RODZIANKO, MIKHAIL VLADIMIROVICH, 1850-1924**
How M. V. Rodzianko embezzled the money of the Ekaterinoslav Zemstvo. M. B. Perel'man. Ist. arkh. 8 no. 6:191 N-D '62.
- ROE DEER** see subdivision under Amur Province
- ROER, EVGENII NIKOLAEVICH, 1901-1962**
Evgenii Nikolaevich Roer; obituary. Avt. dor. 25 no. 8:32 Ag '62.
- ROLLING (METALWORK)**
Changes in the cross section of band and strip billets. Metallurg 8 no. 2:34 F '63.
"Conditions of deformation and force in hot rolling" by M. A. Zaitkov. Reviewed by K. I. Antipov. Stal' 23 no. 2:155-156 F '63.
Connection between contact friction with stressed state conditions during the plastic deformation of metals. I. K. Suvorov. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:106-110 '63.
Determining the temperature of strip during its rolling on continuous thin sheet mills. A. P. Chekanov and others. Stal' 23 no. 1:62-65 Ja '63.
Effect of certain elements on the freezing of steel during hot deformation. G. L. Belichenko, A. A. Baranov. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:97-105 '63.
Effect of conditions of cold rolling on the magnetic properties of transformer steel. V. G. Borisenko, I. D. Zaidman, R. M. Koshelevskii. Stal' 23 no. 1:95-97 Ja '63.
Effect of roll surface cuts on the degree of deformation in the temper rolling of strip. M. I. Bolarshtinov, A. F. Pimenov. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:80-96 '63.
Effect of various rolling parameters on the performance of blooming mills. L. V. Andreiuk, I. S. Litvak. Stal' 23 no. 2:140-146 F '63.
Fonichev, I. A. [Diagonal rolling] Kosha prokalka. Khark'ov, Metallurgizdat, 1963. 261 p.
I. P. Bardina Central Scientific Research Institute of Ferrous Metallurgy. I. U. M. Maksimov and others. Stal' 23 no. 2:131, 157-158 F '63.
Investigating certain conditions for the hot rolling of molybdenum, in vacuum, in an argon atmosphere, and in air. I. M. Pavlov and others. TSvet. met. 38 no. 2:68-71 F '63.
Investigating strained and deformed conditions during rolling. Report No. 1. P. I. Polukhin, V. K. Vorontsov, G. G. Rutman. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:58-66 '63.
Investigating the cold rolling of the bimetal Armo iron-ASM alloy. A. V. Tretyakov, B. E. Lokshin, G. K. Trofimov. TSvet. met. 38 no. 12:48-53 D '62.
Investigating the effect of speed on certain parameters of aluminum and copper rolling. D. I. Starchenko, V. I. Kuz'min. TSvet. met. 38 no. 2:62-67 F '63.
Magnitogorsk. Gorno-metallurgicheskii Institut. [Shaping metals by pressure] Obrabotka metallov davleniem; k 25-letiu raboty kafedry obrabotki metallov davleniem MGMI. Sverdlovsk, Metallurgizdat, 1962. 197 p.
New technology for the production of wide-strip stainless steel with a thickness of less than 1.5 mm. V. A. Filonov and others. Stal' 23 no. 1:60-61 Ja '63.
Research at the "Krasnyi Oktiabr'" Metallurgical Plant. K. I. Antipov. Stal' 23 no. 2:120-130, 135-136, 157, 170-171 F '63.
[Rolling and heat-treatment of railroad rails] Prokalka i termicheskaya obrabotka zheleznodoroznykh rel'sov. [By] P. I. Polukhin i dr. Moskva, Metallurgizdat, 1962. 150 p.
Rolling of round sections on a continuous mill. V. Satskil, M. Kostuchenko. Metallurg 8 no. 2:25-27 F '63.
Shuralev, M. V., and V. B. Skorniakov. [Cleaning and finishing of rolled products] Otdelka prokata. Sverdlovsk, Metallurgizdat, 1962.
- [MICROFILM]
Simplified technology for the production of cold-rolled low-textured electrical steel. I. D. Zaidman, V. G. Borisenko. Stal' 23 no. 1:76-78 Ja '63.
Soveshchaniye po novym protsessam obrabotki metallov davleniem v mashinostroenii. Moscow, 1960. [New processes for the pressure working of metals] Noveye protsessy obrabotki metallov davleniem; [materialy]. Moskva, Izd-vo Akad. nauk SSSR, 1962. 198 p.
- ROLLING (METALWORK)—MODELS**
Theory of similitude in the rolling process. I. U. M. Chizhikov. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:52-57 '63.
- ROLLING MILLS**
(see also subdivision under Begovny; Odessa)
Automatic control of strip thickness on thin-sheet hot rolling mills. F. F. Olefir, N. G. Lysenkov. Avtom. i prib. no. 3:72-76 Ji-S '62.

ROLLING MILLS (Continued)

Concerning the channelling of low-voltage power distribution networks in rolling mills. A. A. Ermilov, Prom. energ. 18 no. 2:44-45 F '63.

Deformation, forces, and the consumption of energy in rolling T-sections in edging passes. I. A. Tarnovskii, A. N. Skorokhodov. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:67-77 '63.

Marinchenko, V. A. [Efficient use of electric power in rolling mills] Voprosy ratsional'nogo ispol'zovaniia elektroenergii v prokatnykh tsekhakh. Moskva, Metallurgizdat, 1962. 134 p.

[MICROFILM]

New design of a shifting disappearing thrust. A. P. Lipatov, L. A. Bykov. Konstr. krup. mash. no. 1:67-72 '62.

Over-all automation of the breaking-down stand of the 1200 mill. A. N. Popov, A. G. Ponomarenko. Mekh. i avtom. proizv. 17 no. 1:3-7 Ja '63.

Rebirth of a blooming mill. E. Z. Freidenzon, A. I. Kalinin. Metallurg 8 no. 2:27-30 F '63.

Selecting basic parameters for manipulators. K. N. Valugin. Konstr. krup. mash. no. 1:51-66 '62.

ROLLING MILLS—DESIGN AND CONSTRUCTION

Increasing the service life of spindles. Z. F. Bitner, A. F. Lavrent'ev, S. L. Belinev. Metallurg 8 no. 2:33 F '63.

New type of breaker. I. G. Lavrent'ev. Metallurg 8 no. 2:33-34 F '63.

ROLLING MILLS—ELECTRIC DRIVING

Temperature control of the armature windings of large d. c. machines of rolling mills. I. N. Bogaenko. Energ. i elektrotekh. prom. no. 4:34-38 O-D '62.

ROLLING MILLS—EQUIPMENT AND SUPPLIES

Hydraulic manipulator. A. P. Trapeznikov, V. A. Uvarov. Metallurg 8 no. 2:35 F '63.

New diagram for the control of strip cutting. V. Nikolaev, S. Kamenskii. Metallurg 8 no. 2:32-33 F '63.

Rolling mill line with mechanized auxiliary operations for the rolling of bronze disks. I. U. G. Churain, TSvet. met. 36 no. 2:82-85 F '63.

ROLLING MILLS—MAINTENANCE AND REPAIR

Build-up welding of the feed mechanism carriage of a pig iron mill. A. E. Zakharov, I. U. V. Tits. Avtom. svar. 16 no. 1:82-83 Ja '63.

ROLLING MILLS—TECHNOLOGICAL INNOVATIONS

Work has become easier. K. A. Belomestnov, A. V. Inoshevskii. Metallurg 8 no. 2:34 F '63.

ROLLS (IRON MILLS)

Effect of technological factors on roll grooving for thin sheet mills. P. I. Polukhin and others. Stal' 23 no. 2: 146-152 F '63.

Roll grooving for multiple stand, continuous piece production shape-bending mills. A. A. Naidenov, V. B. Kaluzhskii. Stal' 23 no. 1:68-72 Ja '63.

Unit pressure in rolling between rolls with a variable radius. A. P. Chekmarev and others. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:78-88 '63.

ROLLS (IRON MILLS)—MAINTENANCE AND REPAIR

Automatic hard facing of iron mill rolls. G. P. Dubenko, V. A. Timchenko. Avtom. svar. 15 no. 12:16-23 D '62.

ROME—LABOR AND LABORING CLASSES—DWELLINGS

Glitter and poverty in capitalist countries. Sov. profsoyuz 19 no. 2:26-27 Ja '63.

ROOFING

(see also subdivision under Zaporozh'ye Province)

Tar and bituminous mastics with filler made of asbestos-cement wastes. N. K. Kiselev. Stroi. mat. 8 no. 2:20-30 F '63.

ROOFING, CONCRETE

Efficient elements for roofing. S. Astashov. Na stroi. Ros. 3 no. 12:13-14 D '62.

Multiple-hollow roof slabs made of lightweight concrete. N. Kornev, A. Kudriavtsev, A. Akbarov. Na stroi. Ros. 3 no. 3:33-34 Mr '62.

Precast arched roofs for wide-span buildings. B. S. Gimatin. Stroi. i arkhitekt. Len. 25 no. 2:23-25 F '63.

Progressive design for roofs. M. V. Kiselev. Stroi. i arkhitekt. Len. 25 no. 2:21-22 F '63.

Rabinovich, A. I. [Precast undulate arches] Sbornye volnistye svody. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1962. 113 p. (Akademika stroitel'stva i arkhitektury SSSR. Institut stroitel'nykh konstruktii. Nauchnye soobshcheniia, no. 18)

Rachevskii, D. M. [Mechanization and automation of the manufacture of prestressed roof slabs] Mekhanizatsiia i avtomatizatsiia proizvodstva predvaritel'no napriazhennykh paneli perekrytii. Moskva, Gosstroizdat, 1962. 134 p.

ROOFING, CONCRETE—STANDARDS

Large-panel roof slabs for buildings with easily discarded roofing. Blui. stroi. tekhn. 20 no. 2:23-24 F '63.

ROOFS

Nonrolled roofing of cold asphalt. S. N. Popchenko, B. V. Leonov, V. V. Tokmarov. Stroi. i arkhitekt. Len. 24 no. 8: 19-20 Ag '62.

ROOFS, SUSPENSION

Calculations for circular suspension roofs. E. N. Kuznetsov. Trudy NIIZHB no. 25:57-113 '62.

Characteristics of cable-suspended systems and suspension shells and some recommendations concerning their design. I. G. Liudkovskii. Trudy NIIZHB no. 25: 31-58 '62.

Experimental studies of circular suspension roofs. V. V. Lesnikov, E. P. Kharitonova. Trudy NIIZHB no. 25: 114-162 '62.

The origin and development of circular suspension roofs. V. V. Lesnikov. Trudy NIIZHB no. 25:5-30 '62.

Ramus, G. E. [Static analysis of cable trusses] Stati-cheskii raschet form iz trosov; stenogramma lektsii. Nauchn. red. V. D. Linnetskii, Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 54 p.

ROOSTERS

Why is the cock considered a prophetic bird? Nauka i rel. 4 no. 1:85 Ja '63.

ROOT CROPS

Effect of boron and manganese on the yield of table root crops [with summary in English]. V. P. Deeva. Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:311-325 '60.

ROOT CROPS—FERTILIZERS AND MANURES

Application of fertilizers to table root crops at the moment of sowing. L. N. Gorokhova. Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:201-207 '60.

ROOT TUBERCLES

Content of vitamin B₆ and B₁₂ in vetchling root tubercles. A. I. Garkavenko. Izv. AN Mold. SSR no. 7:20-24 '62.

ROOTS (BOTANY)

Characteristics of the development of the root system of corn. A. Nikulin. Sbor. stud. nauch.-issl. rab. VSKIII 1 no. 1:55-58 '62.

Characteristics of the storage of reserve substances in the underground organs of some perennial early spring plants [with summary in English]. I. U. O. Pervova. Ukr. bot. zhur. 19 no. 6:70-78 '62.

Gavrilenko, V. F. [The work of roots] Rabota kornia. Pod red. B. A. Rubina. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zitsni, nauke, tekhnike. VIII Seriya; Biologiya i meditsina, no. 3)

Methods for studying the hydrological and soil improvement role of the root systems of steppe forest stands. B. E. Garin. Trudy Brian. tekhn. inst. 9:103-110 '60. Period of rest of the root system of the apple tree. I. A. S. Nesterov. Dokl. AN SSSR 147 no. 5:1230-1233 D '62.

Polarity of the development of the carrot root [with summary in English]. H. Kh. Molotkova'kyi. Ukr. bot. zhur. 19 no. 6:55-58 '62.

Primary root system of corn. P. F. Medvedev. Blui. nauch.-tekhn. inform. SZNIISKH no. 3:43-46 '58.

ROSES

(see also subdivision under Moscow Province)

Roses grow without soil. I. Baranova. Zhil.-kom. khoz. 12 no. 9:17 S '62.

ROSSINSKII, BORIS ILIODOOROVICH, 1884-

Rossinskii reads his letters. V. Pavlov. Ogonek 40 no. 6:13 D '62.

ROSSOSH—RAILROADS—MAINTENANCE AND REPAIR

Industrious management. L. Troitskii. Put' i put. khoz. 7 no. 2:9-12 '63.

ROSTOV—COMMUNITY CENTERS

Masters of the parks. E. Blizodet, I. T'Saregradskii. Kul't.-pros. rab. 23 no. 6:34-35 Ja '62.

ROSTOV—ON—DON—CONSTRUCTION INDUSTRY

Continuous operations in the construction of buildings in Rostov-on-Don. S. Sebaneev. Zhil. stroi. no. 9: 28-28 '62.

ROSTOV—ON—DON—PIANO MAKERS

High evaluation. A. Gol'dshlak. Mest. prom. i khud. promys. 3 no. 1:19 Ja '63.

ROSTOV—ON—DON—SERVICE INDUSTRIES

Entering the year 1963. G. Shelestukov. Mest. prom. i khud. promys. 3 no. 1:6-7 Ja '63.

ROSTOV—ON—DON—SERVICE INDUSTRIES—FINANCE

Improving the service industries is the concern of financial organs and the public. N. Grichenko. Fin. SSSR 37 no. 1:78-80 Ja '63.

ROSTOV—ON—DON—THEATER

Chronicle of a city: Rostov-On-Don. A. Iakubovskii. Theatre 24 no. 1:88-110 Ja '63.

ROSTOV PROVINCE—ADMINISTRATIVE ECONOMIC COUNCILS

Activity of the committees of the Technical and Economic Section of the Rostov Economic Council. L. S. Pliushch. Blui. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:81-82 '63.

ROSTOV PROVINCE—COLLECTIVE FARMS—PRODUCTION STANDARDS

Practice in determining progressive output norms. G. Lartionov. Ekon. sel'khoz. 34 no. 2:105-107 F '63.

ROSTOV PROVINCE—COMMUNITY AND SCHOOL

Progressive schools and teachers of the Don valley. M. Ivanenko. Nar. obr. no. 2:24-30 F '63.

ROSTOV PROVINCE—HOSPITALS—ADMINISTRATION

Importance of the study of the visits of patients in the polyclinic section of a provincial hospital. B. A. Ryss. Zdrav. Ros. Feder. 7 no. 1:13-16 Ja '63.

ROSTOV PROVINCE—IRRIGATION FARMING

Irrigation and water supply as great possibilities for increasing the output of livestock produce. Z. A. Chalka, P. P. Andreev. Zhivotnovodstvo 23 no. 5:9-15 My '61.

ROSTOV PROVINCE—TEACHING

Progressive schools and teachers of the Don valley. M. Ivanenko. Nar. obr. no. 2:24-30 F '63.

Result of great work and creative daring. Nar. obr. no. 2:22-24 F '63.

ROSTOV PROVINCE—TIME STUDY

Practice in determining progressive output norms. G. Lartionov. Ekon. sel'khoz. 34 no. 2:105-107 F '63.

ROTARY KILNS see Kilns, Rotary

ROTATING DISKS see Disks, Rotating

ROTATION OF CROPS

Growth, development, and yield of fine-fiber cotton and soil fertility in various fields of a crop rotation. V. N. Fursov. Trudy tol. sel. sta. 1:15-51 '61.

ROUSSEAU, JEAN JACQUES, 1712-1778

The 250th anniversary of J. J. Rousseau's birth. I. Sivolap. Nov. i novel'sh. lat. no. 6:180-181 '62.

ROUTE SURVEYING

Alignment on stereomodels in route surveys. V. A. Khrapkov. Geod. i kart. no. 1:50-58 Ja '63.

ROVNO PROVINCE—SOVIETS

Prompted by life. V. Trofan. Rad. pravo no. 1:27-29 Ja '63.

ROVNO PROVINCE—TILES

Why is tile not used in Rovno Province? L. Vilentis. Sil'. bud. 13 no. 2:10-20 F '63.

ROYAL JELLY

Effect of royal jelly on microbes. L. V. Aleksandrova. Inform. blui. o mat. moloch. no. 3:34-37 '62.

ROYAL JELLY—ANALYSIS

Determination of the authenticity of royal jelly and apilac preparation. L. N. Braines, L. N. Gamov. Inform. blui. o mat. moloch. no. 3:38-42 '62.

Quick method for the determination of moisture in royal jelly. L. N. Braines, L. N. Gamov. Inform. blui. o mat. moloch. no. 3:27-33 '62.

ROYAL JELLY—PHYSIOLOGICAL EFFECT

Effect of royal jelly on the permeability of the capillaries. T. I. Beslekov. Inform. blui. o mat. moloch. no. 3:8-9 '62.

Effect of royal jelly preparation on increasing lactation in puerperas and on the weight recovery of newborn infants. V. L. TSveer. Inform. blui. o mat. moloch. no. 3: 95-103 '62.

Effect of royal jelly preparation on the development of young white mice. M. P. Vasil'eva. Inform. blui. o mat. moloch. no. 3:16-19 '62.

Effect of royal jelly preparation on the vessels of frog extremities and liver under conditions of increased tonus of their walls. V. F. Lupachev. Inform. blui. o mat. moloch. no. 3:10-15 '62.

Effect of the intravenous and subcutaneous administration of royal jelly on glycemic changes in and glucose consumption by the brain. S. V. Zakharov, E. A. Grigor'eva, L. A. Iakovleva. Inform. blui. o mat. moloch. no. 3:3-7 '62.

Effect of various doses of royal jelly preparation on white mice. V. F. Lupachev. Inform. blui. o mat. moloch. no. 3:20-26 '62.

ROYAL JELLY—THERAPEUTIC USE

Dynamics of the electrophoretic blood protein formula during treatment with royal jelly preparation. A. A. Nizov, V. F. Lupachev. Inform. blui. o mat. moloch. no. 3:86-89 '62.

Regeneration of proteins and their fractions in the blood of a puerpera by treatment with royal jelly preparation following pathological hemorrhages. V. L. TSveer. Inform. blui. o mat. moloch. no. 3:75-85 '62.

- ROYAL JELLY — THERAPEUTIC USE (Continued)**
 Treatment of anemia with royal jelly preparation following pathological hemorrhages in labor. V. L. TSveer, Inform. biul. o mat. moloch, no. 3:113-119 '62.
 Treatment of stenocardia with royal jelly preparation. L. P. Bekhteva, Inform. biul. o mat. moloch, no. 3:108-112 '62.
 Use of royal jelly preparation in chronic digestive disorders in children. E. M. Fateeva, N. I. Roshal', Inform. biul. o mat. moloch, no. 3:43-49 '62.
 Use of royal jelly preparation in digestive disorders in nursing infants. N. N. Il'yash, Inform. biul. o mat. moloch, no. 3:50-53 '62.
 Use of royal jelly preparation in lesion of the locomotor apparatus of children suffering from insufficient nutrition. V. V. Sudakova, Inform. biul. o mat. moloch, no. 3:59-61 '62.
 Use of royal jelly preparation in several clinical forms of arteriosclerosis. N. M. Kadyseva, Inform. biul. o mat. moloch, no. 3:90-94 '62.
 Use of royal jelly preparation in the form of an aerosol for the treatment of eczema and other dermatoses. B. A. Somov, E. I. Abramova, Inform. biul. o mat. moloch, no. 3:120-123 '62.
 Use of royal jelly preparation in the treatment of dystrophy in infants. M. P. Vasil'eva, Inform. biul. o mat. moloch, no. 3:54-58 '62.
 Use of royal jelly preparation in the treatment of endarteritis and arteriosclerosis of the extremity vessels. G. P. Zaitsev, V. T. Porladin, Inform. biul. o mat. moloch, no. 3:62-70 '62.
 Use of royal jelly preparation in the treatment of some cardiovascular diseases. E. D. Mikhchenko, Inform. biul. o mat. moloch, no. 3:71-74 '62.
- ROZHDESTVENSKI, NIKOLAI SERGEEVICH, 1892-**
 Birthday anniversary of N. S. Rozhdestvenskii, L. P. Fedorenko, Rus. iaz. v shkole 24 no. 1:107-108 Ja-F '63.
- RUBBER**
 Tar softener for rubber. T. I. Fedorishchev, N. A. Riabinin, M. N. Kalganov, Gidroliz, i lesokhim. prom. 16 no. 1:15-16 '63.
- RUBBER—ANALYSIS**
 Prevulcanization (scorching) of rubber compounds. Part 3: Effect of vulcanization inhibitors on structural changes in rubbers during mastication and heating [with summary in English]. O. N. Bellatskaia and others, Vysokom. soed. 5 no. 2:164-170 F '63.
- RUBBER—BIBLIOGRAPHY** see Bibliography—Rubber
- RUBBER—TESTING**
 Changes occurring in the properties of carcasse rubber during its swelling. I. I. Tugov, V. S. Georgieva, Nauch.-issl. trudy VNIPIK no. 12:58-68 '60.
 Regularities of the transition from deformation in rubber rings or end-bound rubber cylinders to the axial strain of the cylinder. B. M. Gorelik and others, Kauch. i rez. 22 no. 2:25-27 F '63.
 [Rubber; testing methods] Rezina; metody ispytani. Izd. ofitsial'noe, Moskva, Standartiz, 1962, 222 p. (SSSR, Gosudarstvennye standarty)
 Statistical method of studying the shrinkage of molded rubber goods. S. M. Skorodzievskii, Kauch. i rez. 22 no. 2:28-31 F '63.
 Stress dependence of rupture time in the cracking of rubbers in aggressive media [with summary in English]. I. U. S. Zuev, S. I. Pravdnikov, T. V. Likhtman, Vysokom. soed. 5 no. 2:262-268 F '63.
- RUBBER, SYNTHETIC**
 Awarding S. V. Lebedev's prizes, Vest. AN SSSR 33 no. 2:114 F '63.
- RUBBER COATINGS—TESTING**
 Effect of hydrophilic additives on the properties of rubber films. A. N. Spasskaia, A. D. Zolochkovskii, I. A. M. Iabko, Nauch.-issl. trudy VNIPIK no. 12:88-88 '60.
- RUBBER GOODS**
 Manufacture of experimental rubber bridge seats. L. I. Moshcheriakov, Transp. stroi. 12 no. 7:20-22 Ji '62.
- RUBBER GOODS—COSTS**
 Production costs of articles in the industrial rubber goods industry in 1961. A. F. Karaseva, Kauch. i rez. 22 no. 2:39-42 F '63.
- RUBBER INDUSTRY**
 (see also subdivision under Europe, Eastern; Stavropot)
 Analyzing the indices of the continuity of the movement of labor products and of the use of equipment in rubber sole manufacture. P. S. Pushkin, O. N. Morozova, L. N. Poliakova, Nauch.-issl. trudy VNIPIK no. 12:114-126 '60.
- RUBBER INDUSTRY—BIBLIOGRAPHY** see Bibliography—Rubber Industry
- RUBBER INDUSTRY—EQUIPMENT AND SUPPLIES**
 (see also subdivision under Dnepropetrovsk)
 "Automatic production lines for the preparation of mixtures from liquid and solid components" by B. I. Andrashnikov, Reviewed by I. Shevchenko, Kauch. i rez. 22 no. 2:58 F '63.
- RUBBER INDUSTRY—PERIODICALS**
 Readers' conference at the Voronezh Tire Plant. V. Reznikov, V. Podgorel'skaya, L. Nikiforova, Kauch. i rez. 22 no. 2:51-52 F '63.
- RUBBER INDUSTRY WORKERS—DISEASES AND HYGIENE**
 Comparing the toxicity of mercaptobenzimidazole and N-phenyl-N-isopropylparaphenylenamine. R. S. Vorob'eva and others, Kauch. i rez. 22 no. 2:18-19 F '63.
- RUBBER PIPE** see Pipe, Rubber
- RUBBER TIRES** see Tires, Rubber
- RUBBER TO METAL BONDING**
 Rubber to metal bonding with the aid of rubber oxidation products. B. A. Dogadkin, A. D. Polarkova, Kauch. i rez. 22 no. 2:32-36 F '63.
- RUBBERIZED FABRICS**
 New type of artificial leather for the pickers of automatic looms. L. E. Kalinina, V. V. Matveev, S. S. Ryzhev, Nauch.-issl. trudy VNIPIK no. 12:35-40 '60.
- RUBBERIZED FABRICS—TESTING**
 Microchemical method of determining the degree of vulcanization of rainwear fabrics. E. S. Khoroshaja and others, Nauch.-issl. trudy VNIPIK no. 12:105-107 '60.
- RUBIDIUM COMPOUNDS**
 Iso (tri) polyhalides very similar in properties to alkaline metals, and their use in the removal of cesium from rubidium compounds. V. E. Plushchev, S. B. Stepina, L. I. Lepeshkova, Dokl. AN SSSR 148 no. 3:601-604 Ja '63.
- RUBINShteIN, IAKOV MOISEVICH, 1902-**
 Iakov Moiseevich Rubinshtein on his 60th birthday. Elek. sta. 34 no. 1:91 Ja '63.
- RUDAKI, ABU ABDULLO, 884-954**
 Rudaki, founder of pedagogical thought of the Tajik people. M. A. Arifov, Dokl. APN 6 no. 5:73-74 '62.
- RUDNYY—CONSTRUCTION INDUSTRY**
 Plans were changed sixteen times. V. Mal'isev, Part. zhizn' Kazakh, 33 no. 2:38-40 F '63.
- RUGS AND CARPETS**
 (see also subdivision under Ukraine)
 Redesigning of the Jacquard loom for the manufacture of rug goods with a new type of structure. A. E. Kraanoborodko, Izv. vys. ucheb. zav. i tekhn. tekst. prom. no. 6:89-95 '62.
- RUHR VALLEY—COAL MINES AND MINING**
 Developing steep seams in "Grillo" Mine No. 1-4 (West Germany). O. V. Kolokolov, Ugol', prom. no. 6:85-86 N-D '62.
 Longwall mined with a coal plow and pneumatic filling of the mined area. Ugol', prom. no. 6:89 N-D '62.
- RUHR VALLEY—COMMUNIST PARTY**
 "How the German Communist Party struggled for the unity of workers and the defeat of monopolists in the Ruhr, 1945-1947" [In German]. G. Monnschatz, J. Seider, Reviewed by V. P. Ierusalimskii, Vop. ist. 39 no. 2:177-178 F '63.
- RUMANIA—AGRICULTURE—ECONOMIC ASPECTS**
 At the new stage. I. Bulgakov, A. Strotkin, Ekon. sei'khoz. 34 no. 2:115-118 F '63.
- RUMANIA—ARMED FORCES—NONMILITARY**
 Let's train our servicemen to be patriots and internationalists. C. Necula, Komm. Vooruzh. Sil 3 no. 2:87-90 Ja '63.
- RUMANIA—BIBLIOGRAPHY**
 [New literature on Rumania] Nov. lit. po Rum. no. 12 '62.
- RUMANIA—DESCRIPTION AND TRAVEL**
 Iancu, Mihai. [The Carpathians] Karpaty. Predisl. Tudora Argezi. Bucharest, Izd-vo "Meridiany," 1960, 18 p. illus. (Vidy Rumynii)
- RUMANIA—ECONOMIC CONDITIONS**
 Oletnik, I. P. [The victory of socialism in Rumania] Pobeda sotsializma v Rumynii. Moskva, Ekonomizdat, 1962, 215 p.
- RUMANIA—FLOORS**
 Modern types of floors. A. Negoita, Zhil. stroi. no. 1:23-24 '63.
- RUMANIA—FOREIGN RELATIONS—RUSSIA**
 Soviet-Rumanian friendship is solid and indestructible. S. Madievskii, Komm. Mold. 7 no. 1:25-30 Ja '63.
- RUMANIA—HISTORY**
 Internal political struggle in Rumania on the eve of her entering the First World War, January-August, 1916. V. N. Vinogradov, Nov. i noveish. ist. no. 6:98-112 '62.
- RUMANIA—LOESS**
 Conference on structural properties of loess soils of the Rumanian People's Republic. V. A. Ioselievich, Osn. i fund. i mekh. grun. 4 no. 1:30 '62.
- RUMANIA—ORTHODOX EASTERN CHURCH—PERIODICALS**
 Review of "Orthodoxia," journal of the Rumanian Patriarchate for 1961. V. Vladimirov, Zhur. Mosk. Patr. no. 12:67-71 D '62.
- RUMANIA—RELATIONS (GENERAL) WITH RUSSIA**
 The ardor of fraternal hearts. A. Lukovets, Sov. pech. no. 8:49-50 Ag '62.
 Eternal friendship and fraternity. Ukraina no. 13:2 Ji '62.
 The mail of E. I. Vasil'eva, a deputy of a district soviet. V. Sergeevna, Sov. deput. trud. no. 3:108-109 Mr '63.
- RUMEN—DISEASES**
 Ruminant blood; review of foreign literature. I. I. Tarasov, Veterinaria 37 no. 7:83-84 Ji '60.
 Treatment of rumen diseases in cattle. V. Titov, Shor. stud. nauch.-issl. rab. VSKH 1 no. 1:130-141 '62.
- RUMEX**
 Methods for controlling horse sorrel. A. D. Maganova, Zhivotnovodstvo 23 no. 7:35 Ji '61.
- RUNOFF**
 (see also subdivision under Gara Dashi River; Iasyk-Kul' region; Katun' River; Shydynskii; Ural Mountains; Volga Delta)
 Kuznik, I. A. [Measures for land improvement through afforestation, spring runoff, and soil erosion] Agrolesomollorativnye meroprishlia, veshnii stok i eroziia pochv. Leningrad, Gidrometeoizdat, 1962, 220 p.
 Method for evaluating changes in river runoff under the influence of agriculture. G. V. Nazarov, Izv. AN SSSR, Ser. geog. no. 1:96-105 Ja-F '63.
- RURAL EDUCATION** see Education, Rural
- RURAL ELECTRIFICATION**
 (see also subdivision under Ukraine)
 Contributions of the city to the village. Sel', stroi. 15 no. 3:18 Mr '60.
 Semiclosed power distribution networks in the overall electrification of rural areas. I. T. Dashchenko, Prom. energ. 18 no. 2:20-31 P '63.
 Unusual occurrences in a rural power distribution network with longitudinal capacitive compensation. I. I. Voronov, Biul. nauch.-tekhn. inform. SZNIISKH no. 3:77-79 '59.
- RURAL ELECTRIFICATION—BIBLIOGRAPHY** see Bibliography—Rural electrification
- RURAL LIBRARIES**
 (see also subdivision under Georgia)
 Books help people work better. A. Kornushina, Kul't.-pros. rab. 23 no. 8:9-12 S '62.
 Thoughts about rural libraries. B. Strongin, Kul't.-pros. rab. 23 no. 8:25-27 Ag '62.
- RURAL PLANNING**
 (see also subdivision under Podolsk District)
 New methods of planning and developing villages on state farms. K. Horchakov, Sil', bud 13 no. 2:11-13 F '63.
- RURAL SCHOOLS** see subdivision under Smolensk Province
- RUSSELL, BERTRAND RUSSELL, 1872-**
 Bertrand Russell, L. Sedin, Mir, ekon. i mezhdunar. otn. no. 1:132-134 '63.
- RUSSIA—AIR FORCE**
 Time, duty, service. A. Efimov, Av. i kosm. 45 no. 2:38-41 F '63.
- RUSSIA—ARMED FORCES**
 Character of a nation-wide purpose of the Soviet Armed Forces. M. N. Shatalin, Mor. sbor. 46 no. 2:9-16 F '63.
 [Milestones of a great road; reminiscences on the civil war] Etapy bol'shogo puti; vospominaniia o grazhdanskoi voine, Moskva, Voenizdat, 1962, 526 p.
 The people and the army are indivisible. S. Gintavai, Sov. profsoyuzy 19 no. 3:22-23 F '63.
 Powerful guardian of our country on the 45th anniversary of the Soviet Armed Forces. V. Grekov, Komm. Bel. 37 no. 2:16-20 F '63.

- RUSSIA -- ARMED FORCES (Continued)**
Reliable shield of the builders of communism; material for reports and discussion in connection with the 45th anniversary of the Soviet Army and Navy. Komm. Vooruzh. Sil 3 no. 2:38-43 Ja '63.
Socialist nations on the road to communism. N. Matluskhin. Komm. Vooruzh. Sil 3 no. 2:13-21 D '62.
Strength of the people is a mighty force. A. Perventsev. Av. i kosm. 45 no. 2:2-5 F '63.
- RUSSIA--ADMINISTRATIVE AND POLITICAL DIVISIONS**
The call of our time. V. Vasil'ev, IU, Tikhomirov, Sov. deput. trud. no. 3:19-25 Mr '63.
- RUSSIA--ALLIED INTERVENTION, 1916-1920**
"Class struggle in the U.S.A. and the movement against the anti-Soviet intervention, 1910-1920" by I. M. Krasnov. Reviewed by G. G. Alakherdov. Vop. ist. 38 no. 2: 160-162 F '63.
- RUSSIA--ARMED FORCES--DRILL AND TACTICS**
Russia (1923- U.S.S.R.) Ministerstvo oborony. [Drill manual of the Armed Forces of the U.S.S.R.] Stroevol ustav Vooruzhennykh sil Soyuza SSR. Moskva, Voen. izd-vo M-va oborony SSSR, 1963. 176 p.
- RUSSIA--ARMED FORCES--EDUCATION, NONMILITARY**
Commanding officer and cultural and educational institutions. V. Lokshin, A. Fedorovich, V. Konoplin. Komm. Vooruzh. Sil 3 no. 2:35-39 D '62.
Examples of topics for lectures for increasing the theoretical and methodological preparation of leaders in political activities. Komm. Vooruzh. Sil 3 no. 2: 82-83 Ja '63.
Navy newspaper publicizes the decisions of the November Plenum of the Central Committee of the CPSU. Komm. Vooruzh. Sil 3 no. 2:91-92 Ja '63.
Our practice of training propagandists. F. Tkachev. Komm. Vooruzh. Sil 3 no. 2:45-48 D '62.
- RUSSIA--ARMED FORCES--MILITARY LIFE**
Fighting men's workday. Komm. Vooruzh. Sil 3 no. 2: 57-61 D '62.
- RUSSIA--ARMED FORCES--POLITICAL ACTIVITY**
Concerning the registration of communists. Komm. Vooruzh. Sil 3 no. 2:84-86 Ja '63.
Created and educated by the party. V. Chuiikov. Agitator no. 2:12-17 Ja '63.
Creative search. IU, Ikhin. Komm. Vooruzh. Sil 3 no. 2:48-51 D '62.
Guarding the peaceful work of the Soviet people. A. Epishchev. Polit. samobor. 7 no. 1:13-24 Ja '63.
High requirement. B. Dolgotovitch. Komm. Vooruzh. Sil 3 no. 2:64-66 D '62.
Improve, in every possible way, work with the cadres of the political corps. L. Vukhrushev. Komm. Vooruzh. Sil 3 no. 2:22-28 D '62.
In Lenin's course, under the leadership of the party. Komm. Vooruzh. Sil 3 no. 2:3-7 D '62.
Increased role of the CPSU in the guidance of the Soviet Armed Forces. A. A. Epishchev. Vop. ist. KPSS 7 no. 2:3-14 F '63.
"Law of our life." Komm. Vooruzh. Sil 3 no. 2:3:06 D '62.
News of party and political work. Komm. Vooruzh. Sil 3 no. 2:93-95 Ja '63.
News of party and political work. Komm. Vooruzh. Sil 3 no. 2:93-95 D '62.
Our practice of training propagandists. F. Tkachev. Komm. Vooruzh. Sil 3 no. 2:45-48 D '62.
"Party and political work in the Red Army, April 1918-February 1919." Reviewed by D. A. Stefankov. Vop. ist. KPSS 7 no. 1:129-131 Ja '63.
The primary organization is at the center of attention. IU, Usitnov. Komm. Vooruzh. Sil 3 no. 2:62-64 D '62.
Train soldiers and sailors in the spirit of socialist patriotism and proletarian internationalism. A. Kalachnikov. Komm. Vooruzh. Sil 3 no. 2:67-73 D '62.
- RUSSIA--ARMY**
Forty-five years of the Soviet Army and Navy. Mor. sbor. 46 no. 2:3-8 F '63.
Old soldiers and their sons. M. Hrytsan. Belarus' 20 no. 2:2-3 F '63.
- RUSSIA--ARMY--FIREARMS**
Russia (1923- U.S.S.R.) Armia. Sukhoputnye voiska. Upravlenie boevoi podgotovki voisk svyazi. [Methods of preparation to use weapons; firearms and grenade launchers] Metodika ognevoi podgotovki; strekovoe oruzhie i granatomy. Moskva, Voenizdat, 1962. 318 p.
- RUSSIA--ARMY--INFANTRY--DRILL AND TACTICS**
Oyten, L. A. [How to conduct tactical drill exercises] Kak provodit' taktiko-stroevye zaniatia. Moskva, Voenizdat, 1962. 44 p.
- RUSSIA--ARMY--MILITARY LIFE**
Vsearmijskoe Voenno-okhotnich'e obshchestvo. Tsentral'nyi Sovet. [Hunting in the Soviet Army] Okhotnichii sport v Sovetskoi Armii; sbornik statei. Pod obshchey red. F. K. Prudnikov. Moskva, Voen. izd-vo M-va obor. SSSR, 1960. 262 p.
- RUSSIA--ARMY--RECRUITING, ENLISTMENT, ETC.**
Customary send-off to the Soviet Army. N. A. Prystash-niuk. Nar. tvorch. ta etn. 6 no. 3:102-106 Ji-S '62.
- RUSSIA--CENSUS**
Population census in Russia in the 18th century. V. M. Kabuzan. Trudy MGAI 16:349-369 '61.
- RUSSIA--CIVIL DEFENSE**
Baratov, G. F. [Population protection in an atomic, chemical, and bacteriological war] Zashchita naseleniya v usloviakh primeneniya atomnogo, khimicheskogo i bakteriologicheskogo oruzhija. Pod obshchey red. I. P. Sokolov. Kiev, Gosmedizdat USSR, 1962. 423 p.
- RUSSIA--COMMERCE**
Analytical basis for orders. B. Lavrushin. Sov. torg. 35 no. 9:42-45 S '62.
Charter of the Foreign Trade Bank of the U.S.S.R. Fin. SSSR 37 no. 2:91-95 F '63.
Commerce during the period of the development of communism. I. A. Orlov. Sov. torg. 35 no. 10:44-47 O '62.
"Documents of the foreign policy of the U.S.S.R." Reviewed by N. Barinov. Vnesh. torg. 43 no. 2:34-38 '63.
General meeting of the shareholders of the Foreign Trade Bank of the U.S.S.R. Fin. SSSR 37 no. 2:90 F '63.
Grachev, N. P., IU, A. Grigor'ev, and A. F. Mukhin. [Accounting in the foreign trade of the U.S.S.R.] Uchet vo vneshnei torgovye SSSR. Moskva, Vneshnortorgizdat, 1962. 300 p.
Information communiqué. Den, i kred. 21 no. 1:45 Ja '63.
"Legal regulation of the foreign trade of the U.S.S.R.," edited by D. M. Genkin. Reviewed by V. Teplov. Vnesh. torg. 42 no. 1:38-40 '63.
Let's improve the standard of economic work. Sov. torg. 35 no. 9:1-4 S '62.
Let's use the existing potentialities. Sov. torg. 36 no. 10:1-2 O '62.
Objectives of the over-all mechanization and automation of trade enterprises. Mekh. i avtom. proizv. 17 no. 1: 19-20 Ja '63.
"Organization of accounting in state commerce" by A. A. Anisov. Reviewed by G. Dundukov. Sov. torg. 36 no. 1:47-48 Ja '63.
Statute of the Foreign Trade Bank of the U.S.S.R. Den, i kred. 21 no. 1:45-54 Ja '63.
"Trade economics." Reviewed by A. Belov, G. Dikhtiar, V. Sokolov. Vop. ekon. no. 1:123-128 Ja '63.
- RUSSIA--COMMERCE--EGYPT**
Long-term trade agreement between the Union of Soviet Socialist Republics and the United Arab Republic. Vnesh. torg. 43 no. 2:39-43 '63.
Payment agreement between the Union of Soviet Socialist Republics and the United Arab Republic. Vnesh. torg. 43 no. 2:44-45 '63.
- RUSSIA--COMMERCE--FINLAND**
New trade relations between the U.S.S.R. and Finland. Vnesh. torg. 42 no. 1:8 '63.
- RUSSIA--COMMERCE--ITALY**
Establishment of an Italian-Soviet Chamber of Commerce. M. V. Nesterov. Nov. vrem. 20 no. 1:12 Mr '63.
- RUSSIA--COMMERCE--LAOS**
Payment agreement between the Union of Soviet Socialist Republics and the Kingdom of Laos. Vnesh. torg. 43 no. 2:48 '63.
Trade agreement between the Union of Soviet Socialist Republics and the Kingdom of Laos. Vnesh. torg. 43 no. 2:46-47 '63.
- RUSSIA--COMMERCE--MONGOLIA**
Soviet-Mongolian trade relations. Vnesh. torg. 43 no. 2:14 '63.
- RUSSIA--COMMUNIST PARTY** see Communist Party of the Soviet Union
- RUSSIA--CONSTITUTION**
Mirmullaev, M., and V. A. Kozachkovskii. [In the sunlight of the Soviet Constitution; on the 25th anniversary of the Constitution of the U.S.S.R.] Pod soimtem Sovetskoi Konstitutsii; k 25-letiu Konstitutsii SSSR. Dushanbe, Tadzhikskoe gos. izd-vo, 1961. 98 p.
- RUSSIA--DESCRIPTION AND TRAVEL**
"Dreams about Russia." Translated from the Japanese. Reviewed by L. I. Khvan. Vop. ist. 38 no. 2:189-190 F '63.
Restless straight line. IU, Baif'kin. V mire knig 2 no. 8:16 Ag '62.
- RUSSIA--ECONOMIC CONDITIONS**
All peoples need peace. Sov. Soluz no. 3:1, 4 '63.
Along Lenin's path. Blok. agit. [Len.] no. 2:1-8 Ja '63.
Analysis of some aspects of the business correspondence of the Supreme Council of the National Economy as historical sources. G. I. A. Tarie. Trudy MGAI 16: 133-137 '61.
- Bakhtin, M. I.** [Union of workers and peasants during the reconstruction of the national economy, 1921-1925] Soluz rabochikh i krest'ian v gody vosstanovleniya narodnogo khoziaistva, 1921-1925. Moskva, Sotsekgiz, 1961. 291 p.
For a further upswing of the national economy of the U.S.S.R. Metalloved. i term. obr. met. no. 1:2-4 Ja '63.
Historical pattern of the socialist revolution in Russia. P. V. Volobuev. Prep. ist. v shkole 17 no. 6:10-18 N-D '62.
[How the Communist Party struggled for the consolidation and development of socialist society, 1937-June 1941] Kommunisticheskaya partiya v bor'be za uprochenie i razvitiye socialisticheskogo obshchestva (1937 god - Iyun' 1941 god); dokumenty i materialy. Moskva, Gospolitizdat, 1962. 403 p. (V pomoshch' izucheniya istorii KPSS)
How to study the theme, "The struggle of the Communist Party for the rapid development of the national economy and the conclusion of the building of socialism, 1953-1958." I. Rosman. Komm. Bel. 37 no. 2:48-54 F '63.
"National economy of the U.S.S.R. in 1961; statistical yearbook." Reviewed by A. Krivitskaia. Agitator no. 3:62-63 F '63.
Postwar efforts of the party to restore and develop the national economy of the socialist state, 1945-1953. L. M. Bromberg, V. G. Shirokov. Vop. ist. KPSS 7 no. 1:76-85 Ja '63.
Rapid economic development of the Soviet Union; facts and figures. Komm. Uz. 34 no. 12:83-86 D '62.
Results of the fulfillment of the state development plan of the national economy of the U.S.S.R. for 1962. Vest. stat. no. 1:113 '63.
Triumphal frontiers of the fifth year of the seven-year plan. Prof. i tekhn. obr. 20 no. 1:1-2 Ja '63.
The triumphant pace of the seven-year plan. Agitator no. 3:2 F '63.
The U.S.S.R. is building communism. Sots. trud 8 no. 1:136-137 Ja '63.
- RUSSIA--ECONOMIC GEOGRAPHY** see Geography, Economic
- RUSSIA--ECONOMIC POLICY**
Akademiya nauk SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [The building of communism in the U.S.S.R. and cooperation among the socialist countries] Stroitel'stvo kommunizma v SSSR i sotrudnichestvo sotsialisticheskikh stran. Pod obshchey red. G. M. Sorokina. Moskva, Ekonomizdat, 1962. 334 p.
Basic problems of the development of the Communist Party and the Soviet state. Nach. shkola 31 no. 1:3-7 Ja '63.
The basis of communism. P. Guzman. Kul't. -pros. rab. 23 no. 4:45-48 Ap '62.
Doritsov, A. A. [Congress of the builders of communism] S'ezd stroitelei kommunizma. [Leningrad] Lenizdat, 1962. 118 p.
Carry out the decisions of the November Plenum of the Central Committee of the CPSU. Priborostroenie no. 1: 1-2 Ja '63.
Chapkevich, V. S. [Communism begins today] Kommunizm nachinaetsia segodnia. Leningrad, Ob-vo po raspr. polit. i nauchn. znaniu RSFSR, 1962. 76 p.
Decisions of the November Plenum of the Central Committee of the CPSU and the tasks of financial organs. V. Garbuzov. Fin. SSSR 37 no. 1:3-19 Ja '63.
"Decisions of the 22d Congress of the CPSU are a comprehensive program of the building of communism." Reviewed by G. Budai. Komm. Bel. 37 no. 2:62-66 F '63.
Dedicate the creative work and experience of the millions to the cause of communism. Sots. trud 7 no. 12: 3-10 D '62.
Developing the U.S.S.R. economy and reorganizing the party guidance of the national economy. Decree of the Plenum of the Central Committee of the CPSU based on Comrade N. S. Khrushchev's report adopted on November 23, 1962. Nar. khoz. Kazakh. 20 no. 11:3-6 N '62.
Economics and production are the main things in party leadership. G. Shitarev. Komm. Vooruzh. Sil 3 no. 2: 10-23 Ja '63.
Filimonov, N. P. [The Leninist road to communism] Leninskiy put' k kommunizmu. Moskva, Ekonomizdat, 1962. 133 p.
Following Lenin's path. Grazhd. av. 19 no. 12:1 D '62.
For a thorough working out of administrative problems. A. Birman. Plan khoz. 40 no. 3:11-21 Mr '63.
For the further development of Lenin's principles of the party guidance of the national economy. Nar. khoz. Uzb. 4 no. 12:3-10 D '62.
Forty years under the banner of Lenin's nationality policy. N. Matluskhin. Otv. na vop. trud. no. 11:2-11 N '62.
Gancheva, L. A. [Indices of proportions in the national economy] Voprosy chislavogo izmereniya narodno-khoziaistvennykh proporiatsii. Kishinev, Izd-vo "Shilinta" Moldavskogo filiala Akad. nauk SSSR, 1960. 64 p.

RUSSIA -- ECONOMIC POLICY (Continued)

[Great 20 years; visual aid] Pro Velyke dyadtsiatyri-chchia; nauchnyi posibnyk. [Kyiv, Derzhpolitydyav URSR, 1962] 62 p. (Na dopomohu agitatorovi)

[Growth of the social product and the proportions of the national economy of the U. S. S. R.] Rost obshchestven-nogo proizvodstva i proporsii narodnogo khoziaistva SSSR. Moskva, Sotsekgiz, 1962. 453 p.

El'chenko, Iu. N. [The wings of our time; Soviet youth should know the program and status of the CPSU] Kryla nashoi epokhy; molodi pro Programu i Statut KPRS. Kyiv, Vyd-vo "Molod", 1962. 213 p.

Improving production relations between agriculture and industry. M. Lemeshev. Plan. khoz. 40 no. 3:31-39 Mr '63.

In Lenin's courses, under the leadership of the party. Komm. Vooruzh. Sil 3 no. 23:3-7 D '62.

Kommunisticheskaya partiya Sovetskogo Soyuza. Tsentralnyi Komitet. [Plenum of the Central Committee of the Communist Party of the Soviet Union, January 19-23, 1962. Verbatim report] Plenum 19-23 noyabrya 1962 goda; stenograficheski otchet. Moskva, Gospolitizdat, 1963. 607 p.

Let's carry out the party resolutions! Okhr. truda i sots. strakh. 5 no. 12:1-2 D '62.

Let's carry out the resolution of the November Plenum of the Central Committee of the CPSU. Sred. spets. obr. 9 no. 12:1-4 D '62.

[The message of a propagandist] Slovo agitatora. Moskva, Izd-vo "Sovetskaya Rossiya", 1962. 93 p. Resheniya XXII s'ezda - v zhizn'

Nationwide control. Agitator no. 4:10-13 F '63.

The November (1962) plenum of the Central Committee of the CPSU. Mekh. i avtom. proizv. 17 no. 1:1-2 Ja '63.

Preferential growth of the production of the means of production and developing the production of consumer goods. L. Volodarski, Vest. stat. no. 2:3-13 '63.

Put the decisions of the November Plenum of the Central Committee of the CPSU into effect. Nar. khoz. Kazakh. 20 no. 12:3-11 D '62.

[Readings on the history of the CPSU; in three volumes] Khrestomatia po istorii KPSS; v trekh tomakh. [Sost.: Gaubakh, B. V., Temirbaev, K. M., Rudachev, S. A.] Moskva, Gospolitizdat, Vol. 3. [1945-April 1962] 1945 g. - aprel' 1962 g. 1963. 803 p.

The resolution passed by the November Plenum of the Central Committee of the CPSU is a powerful means for the acceleration of the building of communism in the U. S. S. R. Kons. i ov. prom. 18 no. 1:1-3 Ja '63.

Soviet economics and phantasies of the anti-Communists. G. Khromushin. Polit. samobor. 7 no. 1:57-63 Ja '63.

Support bold deeds, develop initiative! Agitator no. 4: 7-9 F '63.

Tasks of the State Bank in the light of the decisions of the November Plenum of the Central Committee of the CPSU. A. Korovushkin. Den. i kred. 21 no. 1:13-14 Ja '63.

Time is working for communism. Grazhd. av. 10 no. 10:1 O '62.

Toward new summits in the building of communism. Sots. trud 8 no. 1:13-10 Ja '63.

Urgent problems of socialist planning. E. Lokshin. Polit. samobor. 7 no. 1:25-33 Ja '63.

Urgent step in the fulfillment of the program of communist development. Mashinostroitel' no. 1:1-2 Ja '63.

RUSSIA--ECONOMIC POLICY--BIBLIOGRAPHY

Economic construction. Building and developing the material and technological basis of communism. A survey of literature. N. Molchanova. Klub 11 no. 4:31-32 Ap '62.

RUSSIA--ECONOMIC POLICY--HANDBOOKS, MANUALS, ETC.

[The material and technological base of communism; concise manual] Material'no-tekhnicheskaya baza kommunizma; kratkii spravochnik. Moskva, Gospolitizdat, 1962. 141 p.

RUSSIA--FOREIGN ECONOMIC RELATIONS--BULGARIA The Bulgarian-Soviet treaty; an interview with Stanko Todorov. Nov. vrem. 20 no. 1:4-5 Mr '63.

RUSSIA--FOREIGN ECONOMIC RELATIONS--LAOS Joint Soviet-Laoan communique. Vnesh. torg. 43 no. 2:14-15 '63.

Ph. Nosavan declares: "We leave Moscow with a feeling of great satisfaction." Vnesh. torg. 43 no. 2:15-17 '63.

RUSSIA--FOREIGN ECONOMIC RELATIONS--YUGO-SLAVIA

Expansion of Soviet-Yugoslav economic relations [with English summary in appendix]. V. Pokshiev, N. Pokidov. Vnesh. torg. 42 no. 1:14-16 '63.

RUSSIA--FOREIGN RELATIONS

An attempt to systematize the Archives of the Foreign Office in 1614. S. A. Levina. Trudy MGIAI 16:421-426 '61.

Combining the study of the foreign policy of the U. S. S. R. with courses in history and social science. Sh. T. Kiperman. Prep. ist. v shkole 18 no. 1:28-38 Ja-F '63.

"Documentary materials on the foreign policy of the U. S. S. R." Vol. 6 (November 20, 1922-December 31, 1923). Reviewed by A. E. Ioffe. Ist. arkh. 8 no. 6: 168-176 N-D '62.

Forty-five years of the Soviet struggle for peaceful coexistence [with summary in English, p. 188]. A. O. Chubar'tan. Nov. i noveish. ist. no. 6:22-38 '62.

The holiday of mankind's spring. R. Ligachev. Agitator no. 7:8-11 Ap '62.

International review. N. Shishlin. Agitator no. 3:24-26 F '63.

Leninist course of the foreign policy of the Soviet state. V. Zorin, V. Israeliin, Sh. Sanakoev. Kommunist 39 no. 4:27-37 Mr '63.

Love your native land, hate its enemies. M. Makoveev. Komm. Vooruzh. Sil 3 no. 23:40-44 D '62.

Moscow, Institut mezhdunarodnykh otnoshenii. Kafedra istorii mezhdunarodnykh otnoshenii i vneshnei politiki SSSR. [History of international relations and foreign policy of the USSR] Istoriia mezhdunarodnykh otnoshenii i vneshnei politiki SSSR. Pod red. V. G. Trukhanovskogo. Moskva, Izd-vo IMO, Vol. 2. 1939-1945 gg. 1962. 683 p.

Moscow, Institut mezhdunarodnykh otnoshenii. [Peaceful coexistence is the Leninist course of the foreign policy of the Soviet Union] Mirnoe soshchestvovanie - leninskii kurs vneshnei politiki Sovetskogo Soyuza. Predisl. i obshchala red. A. A. Gromyko. Moskva, 1962. 303 p.

The necessary clarity. Nov. vrem. 20 no. 10:2-3 Mr '63.

New materials which throw light upon V. I. Lenin's views on peaceful coexistence. [with summary in English, p. 188]. Iu. Sharapov, V. Shchukin. Nov. i noveish. ist. no. 6:3-7 '62.

Russia. Ministerstvo inostrannykh del. [Russian foreign policy in the 19th and the early 20th centuries; documentary materials of the Russian Ministry of Foreign Affairs] Vneshniaia politika Rossi XIX i nachala XX veka; dokumenty rossiiskogo Ministerstva inostrannykh del. Seriya pervaya, 1801-1815 gg. Moskva, Gospolitizdat.

Vol. 6. 1811-1812 gg. 1962. 864 p. [In French and Russian]

Source materials relating to Russian policy in the Far East in the early 19th century. Submitted by V. G. Strotkin. Ist. arkh. 8 no. 6:95-99 N-D '62.

Victory of the Leninist peace policy. G. Golikov, N. Ruban. Part. zhizn' no. 5:56-62 Mr '63.

RUSSIA--FOREIGN RELATIONS--CHINA

"The Far Eastern Republic and China; the role of the Far Eastern Republic in the struggle of the Soviet Government for friendly relations with China in 1920-1921" by M. A. Persita. Reviewed by V. N. Nikiforov, S. S. Khuseinov. Nar. Az. i Afr. no. 1:208-210 '63.

A new document illustrating the revolutionary solidarity of the Soviet and the Chinese people. Nar. Az. i Afr. no. 1:72-73 '63.

Thirteen years. Iu. Berezhina. Az. i Afr. seg. no. 2:5-6 F '63.

RUSSIA--FOREIGN RELATIONS--DENMARK

A. A. Gromyko in Scandinavia. Nov. vrem. 20 no. 11:2-3 Mr '63.

RUSSIA--FOREIGN RELATIONS--FINLAND

Akhili Karjalainen's visit. Nov. vrem. 20 no. 9:2 Mr '63.

Saimaa Canal. V. Fedorov. Agitator no. 4:51-52 F '63.

RUSSIA--FOREIGN RELATIONS--MONGOLIA

Mongolian-Soviet friendship and the triumphs of socialist development of the Mongolian People's Republic. S. Udval. Sovr. Mong. 7 no. 10:1-3 O '62.

RUSSIA--FOREIGN RELATIONS--NEPAL

The far away becomes the near. L. Aganina. Az. i Afr. seg. no. 2:38 F '63.

RUSSIA--FOREIGN RELATIONS--NORWAY

A. A. Gromyko in Scandinavia. Nov. vrem. 20 no. 11:2-3 Mr '63.

Soviet-Rumanian friendship is solid and indestructible. S. Medvedskii. Komm. Mold. 7 no. 1:25-30 Ja '63.

RUSSIA--GEOGRAPHY see Geography

RUSSIA--HISTORIOGRAPHY

All-Union Conference of Soviet Historians. [with summary in English, p. 220]. Vop. ist. 38 no. 2:3-75 F '63.

Some problems concerning the interpretation of historical sources in M. N. Pokrovskii's work. V. V. Kabanov. Trudy MGIAI 16:171-180 '61.

RUSSIA--HISTORY

Ancient cities of Russia. V. V. Kargalov. Prep. ist. v shkole 18 no. 1:56-68 Ja-F '63.

Brief notes. Vop. ist. 38 no. 2:172-173 F '63.

Historical pattern of the socialist revolution in Russia. P. V. Volobuev. Prep. ist. v shkole 17 no. 8:10-18 N-D '62.

Polosin, I. I. [Social and political history of Russia in the 16th and beginning of the 17th century] Sotsial'no-politicheskaya istoriia Rossii XVI-nachala XVII v.; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 382 p.

"Selected works on the history of Russian revolutionary thought" by B. P. Koz'min. Reviewed by I. V. Porokh. Vop. ist. 38 no. 2:143-146 F '63.

RUSSIA--HISTORY--BIBLIOGRAPHY

Annotations. Vop. arkh. 7 no. 3:127-128 Ji-S '62.

Propagandist's bookshelf. Agitator no. 2:63 Ja '63.

A review of new books. Ist. arkh. 8 no. 6:176-180 N-D '62.

RUSSIA--HISTORY--PERIODICALS

A decision of the Central Committee of the CPSU. Vop. ist. KPSS 7 no. 1:3-5 Ja '63.

A discussion at the Department of the History of the CPSU of the V. I. Lenin Political Academy of the Armed Forces. M. V. Popov. Vop. ist. KPSS 7 no. 1:155-156 Ja '63.

RUSSIA--HISTORY--SOURCES

Accounts of local governmental agencies and business enterprises as a source of Russian history. L. M. Drobizheva. Ist. arkh. 8 no. 6:137-148 N-D '62.

Chronicle sources of the "Tale of the battle on the Kalka" [with summary in English]. M. B. Sverdllov. Vest. LGU 18 no. 2:139-144 '63.

Concept of a source for the history of the CPSU. V. I. Ziobin. Vop. ist. KPSS 7 no. 1:98-100 Ja '63.

Historical studies of the personnel of local party archives in the light of the decisions of the 22d Congress of the CPSU. V. V. Anikeev. Vop. arkh. 7 no. 3:14-24 Ji-S '62.

History of the Primary chronicle. A. S. Oreshnikov. Trudy MGIAI 16:481-486 '61.

How to study the sources of the history of the CPSU. S. O. Shmidt. Vop. ist. KPSS 7 no. 2:101-104 F '63.

Manorial directions of the middle 18th century as a source of the history of the economy based on serfdom. N. I. Burakovskaya. Trudy MGIAI 16:371-386 '61.

Manorial estates of the Adashev family in the 16th century. Submitted by V. I. Korotki. Ist. arkh. 8 no. 6:10-132 N-D '62.

Memoirs of participants in the partisan movement during the period of the Great Patriotic War as an historical source. A. A. Kurnosov. Trudy MGIAI 16:20-55 '61.

New source materials acquired by the Central Party Archives of the Institute of Marxism-Leninism attached to the Central Committee of the CPSU. N. V. Bychkova, L. K. Vinogradov. Vop. ist. KPSS 7 no. 2:117-121 F '63.

P. I. Shuvailov's memorandum of 1754 on "Different ways to help the Russian State." Submitted by S. O. Shmidt. Ist. arkh. 8 no. 6:100-118 N-D '62.

Problems of studying the sources for the history of the CPSU. V. I. Strelnik. Vop. ist. KPSS 7 no. 1:100-102 Ja '63.

Significance of documentary motion-picture films, photographs, and phonograph records as historical sources and the basic task of the State Archive Collections of the U. S. S. R. in collecting them. I. S. Fesunenko. Trudy MGIAI 16:7-14 '61.

Some corrections. M. A. Varshavchik. Vop. ist. KPSS 7 no. 2:104-106 F '63.

Some excerpts from the reminiscences of D. N. Likhimov, 1902-1904. Submitted by L. D. Likhimov, A. L. Sidorov. Ist. arkh. 8 no. 6:69-84.

Statistical records on the transfer of the assigned tracts of land as a source for studying the class differentiation of Russian peasants. M. S. Simonova. Ist. arkh. 8 no. 6:152-158 N-D '62.

The study group of sources of the history of the U. S. S. R. S. Kashtanov, E. Shingareva. Trudy MGIAI 16:490-497 '61.

Summarized accounts of collective farms for the period of 1935-1939 as a source of Russian history. M. A. Vyltan. Ist. arkh. 8 no. 6:140-151 N-D '62.

RUSSIA--HISTORY--STUDY AND TEACHING

Let's make use of local material on the history of the party. E. P. Golubova, V. D. Tabunkin. Vest. vys. shkoly 21 no. 1:77-79 Ja '63.

Let's use local material in classes. O. S. Vyrypneva. Prep. ist. v shkole 18 no. 1:79-83 Ja-F '63.

Local material in the elementary course on the history of the U. S. S. R. T. S. Pchel'mikov. Prep. ist. v shkole 17 no. 6:68-70 N-D '62.

Model planning of the study of the elementary course of the history of the U. S. S. R. in the eighth grade for the second semester of the 1982-1983 school year. Prep. ist. v shkole 17 no. 8:39-41 N-D '62.

"Soviet historical science between the 20th and 22d Congresses of the CPSU; history of the U. S. S. R." Reviewed by A. T. Kinkul'kin. Prep. ist. v shkole 17 no. 8:95-102 N-D '62.

"Studying the labor of the people in a course on the history of the U. S. S. R." by L. I. Zakotnova. Reviewed by L. S. Kuz'mina. Prep. ist. v shkole 17 no. 8:105-108 N-D '62.

Use of local material. B. A. Feliforov. Prep. ist. v shkole 18 no. 1:88 Ja-F '63.

SSIA—HISTORY—TEXTBOOKS

Eight graders on the history of their country. I. I. Aints. Prep. ist. v shkole 17 no. 6:79-87 N-D '62.

SSIA—HISTORY, COMIC SATIRICAL, ETC.

A dictionary of never despondent contemporaries; on the history of 19th century satiric dictionaries (with summary in English). M. I. Privalova. Vest. LGU 8 no. 2:135-139 '63.

SSIA—HISTORY, MILITARY

Military history is an important sector of ideological work. A. Eplisev. Voen. ist. zhur. vol. 5 no. 1:3-7 a '63.

SSIA—INDUSTRIES

Industrialization of the U.S.S.R., a great achievement of the laboring class and of the whole nation. IU. Voskresenski, V. Drobizhev. Polit. samoochr. 6 no. 10: 20-30 O '62.

Materials of the industrial census in 1918 on defense enterprises during the years of the First World War, and on their situation in 1917-1918. A. S. Pokrovskii. Trudy MGAI 16:205-208 '61.

Readers relate, advice and critique. Sov. profsoiuzy 8 no. 2:10-19 Ja '63.

Technological progress in the U.S.S.R. Nauchno-tekhnicheskii progress v SSSR. Moskva, Ekonomizdat, 1962. 274 p.

SSIA—INVASION OF 1912

American comments on the Patriotic War of 1912 with summary in English, p. 189. N. N. Bolkhovitinov. Sov. i noveish. ist. no. 6:93-97 '62.

Forty anniversary. Klub 12 no. 8:2 Ag '62.

Home guard in the Patriotic War of 1912. Reviewed by J. R. Klokman. Vop. arkh. 7 no. 3:110-121 Ji-S '62.

Joint conference of the departments of social sciences of the Academy of Sciences of the U.S.S.R. A. K. Sov. i noveish. ist. no. 6:177 '62.

The Iliad and the Odyssey of Russian literature.

. Mashinskii. V mire knig 2 no. 8:6-8 Ag '62.

The Patriotic War of 1912 in medals by F. Tolstol.

. Kuznetsova. Iskustvo 25 no. 9:53-60 '62.

Solemn meeting in the Kremlin Palace of Congresses.

. Zh. Nov. i noveish. ist. no. 6:176 '62.

We sons of the Fatherland. G. Lenob'. V mire knig no. 8:8-9 Ag '62.

Known documents of P. I. Bagration. Submitted by E. A. Ishuller. Vop. arkh. 7 no. 3:106-109 Ji-S '62.

Unknown manuscript which describes the Patriotic War of 1912. E. G. Samoilov. Vop. arkh. 7 no. 3:113-115 '62.

SSIA—INVASION OF 1912—HUMOR, CARICATURES, ETC.

Satirets. Russian engravings of the Patriotic War of 1912. IU. Samarin. Iskustvo 25 no. 9:61-66 '62.

SSIA—LITERATURES

Periodicals and newspapers. Vop. lit. 6 no. 12: 20-23 D '62.

Leaf news. Vop. lit. 6 no. 12:231-240 D '62.

Folk literature and oral folk poetry. P. S. Vykhodisev. us. folk. 7:3-25 '62.

SSIA—LITERATURES—BIBLIOGRAPHY

Folk literature, 1961; a recommended reading list. Vseskaya literatura, 1961; rekomendatsionnyi ukazatel'. Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1962. 9 p. (Novinki khudozhestvennoi literatury)

SSIA—MANUFACTURES

How provide our light industry with modern machinery. Zubchaninov, IU. Kurenkov. Kommunist 39 no. 5: 1-47 Mr '63.

SSIA—NAVY

Forty-five years of the Soviet Army and Navy. Mor. zhur. 46 no. 2:3-8 F '63.

Heroic offspring of the Soviet people. S. Gorshkov. Pitator no. 13:20-22 Ji '62.

SSIA—POLITICS AND GOVERNMENT

Reference to principles. IA. Pomenko. Sov. deput. trud. 1:3:53-58 Mr '63.

Documents of the Soviet of the U.S.S.R. and the Union and Autonomous Soviet Socialist Republics; collected documents in seven volumes, 1917-1937. S'ezdy vetov Soluza SSR, soluznykh i avtonomnykh sovetskikh tsialisticheskikh respublik; sbornik dokumentov v mi tomakh, 1917-1937 g.g. Moskva, Gosizdat, Vol. 4, Pt. 1. [Congresses of the Soviets of the Union of the Soviet Socialist Republics; collected documents, 1923-1937] S'ezdy Sovetov Soluza Sovetskikh Sotsialisticheskikh Respublik; sbornik dokumentov, 1923-1937 gg. 1962. 1200 p.

Call of our time. V. Vasil'ev, IU. Tikhomirov. v. deput. trud. no. 3:19-25 Mr '63.

The Central Control Committee (the Workers' and Peasants' Inspection) is the realization of Lenin's idea on the combination of state and party control. G. A. Dorokhova. Vop. ist. KPSS 7 no. 2:31-43 F '63.

Dmitriev, V. N. [The decisive force in the building of communism] Roshalushchaya sila v stroitel'stve kommunizma. [Leningrad] Lenizdat, 1962. 77 p. (Reshenia XXII s'ezda KPSS - v zhizni)

The 40th anniversary of the formation of the Union of Soviet Socialist Republics. Teor. i prak. fiz. kul't. 25 no. 12:1-5 D '62.

The 40th anniversary of the U.S.S.R. G. Petukhova. Nar. khoz. Kazakh. 20 no. 12:12-15 D '62.

[Gazette of the Supreme Soviet of the R. S. F. S. R.] Ved. Verkh. Sov. RSFSR 7 nos. 7-12 F-Mr '63.

[Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. SSSR 26 nos. 11-16 Mr-Apr '63.

Genuine democracy and sham democracy. Komm. Mold. 7 no. 1:53-55 Ja '63.

The great fraternity. IA. Nasriddinova. Nar. khoz. Uzb. 4 no. 12:12-23 D '62.

Ivan the Terrible's domestic policy during the period of the "great reign" of Simon Bekbulatovich. S. M. Kashanov. Trudy MGAI 16:427-462 '61.

Lenin on attracting the masses to participate in the government. V mire knig 2 no. 8:1 Ag '62.

Moscow, Universitet. [History of the state and law of the U.S.S.R.] Istoriia gosudarstva i prava SSSR, Moskva, Gosizdat, Pt. 2. [History of the Soviet state and law] Istoriia Sovetskogo gosudarstva i prava, 1962. 443 p.

New contribution to the Marxist-Leninist theory of communism. Vop. ist. KPSS 7 no. 1:8-15 Ja '63.

Problems in the theory of the socialist national state. S. Fuks. Rad. pravo no. 1:7-17 Ja-F '63.

Public inspections and the field of their work. E. Shorina. Sov. deput. trud. no. 3:64-68 Mr '63.

Theoretical problems of the national state. A. Kositsyn. Kommunist 39 no. 5:118-124 Mr '63.

V. I. Lenin, initiator of the creation of the U.S.S.R. K. Pavlova. Otv. na vop. trud. no. 11:12-20 N '62.

The years of fruitful work. A. Stepanov, V. I. Iuvichius. Sov. deput. trud. no. 3:8-12 Mr '63.

RUSSIA—RELATIONS (GENERAL) WITH ASIA

Lenin, V. I. [Friendship with the peoples of the East] O druzhbe s narodami Vostoka. Moskva, Gos. izd-vo polit. lit-ry, 1961. 399 p.

RUSSIA—RELATIONS (GENERAL) WITH BRAZIL

The "Kiss of Brazil." Vladislav Chukunov. Ukraina no. 1:11 Ja '63.

RUSSIA—RELATIONS (GENERAL) WITH BULGARIA

Clear as a mountain brook. D. Hosharov. Sov. pech. no. 8:50-52 Ag '62.

RUSSIA—RELATIONS (GENERAL) WITH CHINA

Fraternal alliance. Sov. Soluz no. 3:4 '63.

[Hands of friendship] Ruki druzhby. [Red. N. Amelin. Chita] Chitinskoe knizhnoe izd-vo, 1961. 33 p.

RUSSIA—RELATIONS (GENERAL) WITH CUBA

[We shall be friends forever] Druzha naviky! Kyiv, Vyd-vo "Molod", 1962. 45 p.

RUSSIA—RELATIONS (GENERAL) WITH DENMARK

Soviet-Danish agreement. P. V. Nov. vrem. 20 no. 10: 3 Mr '63.

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Foreign diplomats in school. Prof. -tekh. obr. 10 no. 11: 5 N '62.

Foreign specialists in the Institute of Electric Welding. Avtom. svar. 16 no. 1:96 Ja '63.

Foreign visitors at the Exhibition of Achievements of the National Economy of the U.S.S.R. Inform. blul. VDNKH no. 2:45 F '62.

The fruits of our friendly contacts. I. Zaitsev. Sov. deput. trud. no. 3:106-108 Mr '63.

International contacts of the Institute of Philosophy of the Academy of Sciences of the U.S.S.R. IU. S. Lebedev. Vop. filos. 17 no. 2:157-160 '63.

Talent, friendship, peace. A. Sabun. Otv. na vop. trud. no. 11:40-46 N '62.

RUSSIA—RELATIONS (GENERAL) WITH MONGOLIA

On a council of the Society of Mongolian-Soviet Friendship. D. Regisuren. Sov. Mong. 7 no. 10:8-9 O '62.

RUSSIA—RELATIONS (GENERAL) WITH POLAND

From the history of Russo-Polish revolutionary contacts, 1893-1906. R. A. Ermolaeva. Vop. ist. KPSS 7 no. 2: 107-116 F '63.

RUSSIA—RELATIONS (GENERAL) WITH RUMANIA

The ardor of fraternal hearts. A. Lukovets. Sov. pech. no. 8:40-50 Ag '62.

Eternal friendship and fraternity. Ukraina no. 13:2 Ji '62.

The mail of E. I. Vasil'eva, a deputy of a district soviet. V. Sergeeva. Sov. deput. trud. no. 3:106-109 Mr '63.

RUSSIA—RELATIONS (GENERAL) WITH THE TATAR

A. S. S. R.

Festival of Russian culture. B. Gizatullin. Kul't. -pros. rab. 23 no. 4:20-22 Ap '62.

RUSSIA—RELATIONS (GENERAL) WITH THE UNITED STATES

American welders in Kiev. Avtom. svar. 15 no. 12:87 D '62.

Dawn of scientific cooperation between Russia and the United States; first presidents of the National Academy of Sciences of the U.S. and their connections with Russian scientists. M. I. Radovskii. Priroda 52 no. 2: 93-94 '63.

My colleague, Marek, the reporter. A. Taradankin. Sov. pech. no. 8:57-58 Ag '62.

RUSSIA—REVOLUTION OF 1905

New data on satirical magazines in the period of the first Russian revolution. E. I. Cherniak. Trudy MGAI 16: 209-219 '61.

RUSSIA—REVOLUTION, 1917-1921

(see also subdivision under Astrakhan; Caucasus, Northern; Leningrad; Moldavia; Moscow; Pskov Government; Semirech'ye; Siberia; Ukraine)

All-Union conference in Leningrad devoted to the 45th anniversary of the armed uprising in October 1917. G. A. Trukan, N. V. Rodin. Vop. ist. KPSS 7 no. 1:150-153 Ja '63.

"The CPSU as the leader and educator of the Red Army, 1918-1920" by IU. P. Petrov. Reviewed by G. V. Kuz'min. Vop. ist. 38 no. 2:128-130 F '63.

Communist Party, organizer of the victory of the Great October Revolution. G. Golikov. Polit. samoochr. 6 no. 10:10-19 O '62.

"Early history of the Red Army" by V. V. Britov. Reviewed by V. P. Kochetov. Vop. ist. 38 no. 2:131-132 F '63.

How we defeated the shock troops of the Russian White Guards in the Battle of Belgorod in 1917. V. Podkarpov. Voen. ist. zhur. vol. 5 no. 1:103-109 Ja '63.

Kuleshov, I. M., and B. V. Burkovskii. [Cruiser "Aurora"] Kruiser "Aurora." [Leningrad] Lenizdat, 1962. 92 p.

"Party and political work in the Red Army, April 1918-February 1919." Reviewed by D. A. Stefankov. Vop. ist. KPSS 7 no. 1:120-131 Ja '63.

"The revolution has been accomplished" by P. Berezov. Reviewed by D. Shelestov. Polit. samoochr. 6 no. 10: 139-141 O '62.

Sharapov, IU. P. [Hostile winds] Vikhri vrazhdebnye. Moskva, Gospolitizdat, 1962. 78 p. (Stranitsy istorii Sovetskoi Rodiny)

RUSSIA—REVOLUTION, 1917-1921—BIBLIOGRAPHY

Literature on the Great October Revolution. Polit. samoochr. 6 no. 10:144 O '62.

RUSSIA—REVOLUTION, 1917-1921—CHINESE PARTICIPATION

Novogrudskii, G. S., and A. M. Dunaevskii. [In P'ao Ti-sai's footsteps; story of a research problem] Po sledam Pau; istoriia odnogo literaturnogo polska. Moskva, Voenizdat, 1962. 245 p.

RUSSIA—REVOLUTION, 1917-1921—FOREIGN PARTICIPATION

Participation of internationalists in the October armed uprising [with summary in English, p. 188]. A. IA. Manusevich. Nov. i noveish. ist. no. 6:39-52 '62.

RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

[Milestones of a great road; reminiscences on the civil war] Etapy bol'shogo puti; vospominaniia o grazhdanskoi volne. Moskva, Voenizdat, 1962. 520 p.

Polupanov, A. V. [Liberty or death] Svoboda ili smert'. Simferopol', Krymizdat, 1959. 190 p.

RUSSIA—SOCIAL CONDITIONS

Eganov, G. L. [Problems of the economic development of the U.S.S.R. in the work of the economic geographers of the U.S.A.] Problemy ekonomicheskogo razvitiia SSSR i stran narodnoi demokrati v trudakh ekonomiko-geografy SShA. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 241 p.

The military class of the Zemstvo in the "oprichnina" period. S. S. Pechero. Trudy MGAI 16:463-473 '61.

RUSSIA—SOCIAL LIFE AND CUSTOMS

P. V. Shein's collection "Great Russia in her songs, rites, customs, beliefs, tales, legends, etc." N. V. Novikov. Rus. folk. 7:313-327 '62.

RUSSIA, ASIATIC—PRECIPITATION (METEOROLOGY)

Conditions for the transfer and transformation of masses producing precipitations over the Asiatic part of the U. S. S. R. in the spring. O. G. Sorochan, M. I. Lushchinskaya. Trudy GGO no. 133:55-72 '62.

RUSSIA, NORTHERN—CONFECTIONERY

Organization of confectionery production in the Far North. S. N. Erokhin. Khleb i kond. prom. 7 no. 1: 24-25 Ja '63.

RUSSIA, NORTHERN—ECONOMIC ZONING

Characteristics of economic regionalization in the national areas of the Soviet North. N. M. Kovlazin. Uch. zap. LGU no. 315:81-93 '62.

RUSSIA, NORTHERN—FORESTS AND FORESTRY

Medvedev, N. A. [Forests of the European North and their industrial use] Lesa Evropejskogo Severa i ikh promyshlennaja ekspluatatsija. Moskva, Goslesbumizdat, 1962. 124 p. (DNAL)

RUSSIA, NORTHERN—LUMBERING

Medvedev, N. A. [Forests of the European North and their industrial use] Lesa Evropejskogo Severa i ikh promyshlennaja ekspluatatsija. Moskva, Goslesbumizdat, 1962. 124 p. (DNAL)

RUSSIA, NORTHERN—LUMBERING—COSTS

Effect of the conditions and organization of production and interrelations of various branches on the economic indices of lumbering enterprises in the European part of northern Russia. B. I. Pavlov. Nauch. trudy LTA no. 85:81-71 '61.

RUSSIA, NORTHERN—NATURAL HISTORY

Parovyschikov, V. I. A. [In northern regions; notes of a naturalist] Na severnykh prostorakh; zapiski naturalista. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 69 p.

RUSSIA, NORTHERN—SHREWS

Morphologic and ecologic characteristics of shrews at the extreme northern boundary of their distribution. S. S. Shvarts. Trudy Inst. biol. UFAN SSSR no. 28:45-51 '62.

RUSSIA, NORTHERN—SOILS AND CLIMATE

Relation of hydrothermal conditions to soil types in the European U. S. S. R. S. S. Savina. Izv. AN SSSR. Ser. geog. no. 1:78-83 Ja-F '63.

RUSSIA, NORTHERN—STRIP MINING

Stability of the sides of pits located beyond the Arctic Circle. M. E. Pevzner. Shakht. stroi. 7 no. 1:12-15 Ja '63.

RUSSIA, NORTHERN—WAGES

Payment of additional allowances to those working in the Far North and adjacent regions. B. Kozlov. Sots. trud 7 no. 12:133-134 D '62.

RUSSIA, NORTHWESTERN—AGRICULTURAL RESEARCH

Zonal conference of the research institutions of the northwestern zone of the R. S. F. S. R. A. M. Sofinskii. Biul. nauch. -tekh. inform. SZNIISKH no. 3:80-82 '58.

RUSSIA, NORTHWESTERN—AGRICULTURE

Characteristics of agricultural development in various regions of the northwestern R. S. F. S. R. B. D. Bobok. Uch. zap. LGU no. 315:29-55 '62.

RUSSIA, NORTHWESTERN—ARCHAEOLOGY

"Ancient history of the northwestern part of the European U. S. S. R." by N. N. Gurina. Reviewed by A. I. A. Brusov. Sov. arkheol. 7 no. 1:317-320 '63.

RUSSIA, NORTHWESTERN—CLEARING OF LAND

Effectiveness of plowing underbrush in virgin lands. L. N. Karatin. Biul. nauch. -tekh. inform. SZNIISKH no. 3:22-25 '58.

RUSSIA, NORTHWESTERN—CROPS AND SOILS

Effect of soil reaction on the yield of different varieties of farm crops. M. F. Kornilov, Z. V. Trucina. Biul. nauch. -tekh. inform. SZNIISKH no. 3:6-9 '58.

RUSSIA, NORTHWESTERN—FERTILIZERS AND MANURES

Some characteristics of the use of mixed organic-mineral fertilizers in the agriculture of the northwestern provinces [with summary in English]. K. I. Chekalov. Nauch. trudy Sev.-zap. nauch. -issl. inst. sel'khoz. no. 1:132-140 '60.

RUSSIA, NORTHWESTERN—PASTURES AND MEADOWS—FERTILIZERS AND MANURES

Effectiveness of phosphate meal and shale ashes in the formation of meadows on dry valley soils cleared of forest vegetation. E. A. Zhiblinskaja. Biul. nauch. -tekh. inform. SZNIISKH no. 3:12-13 '58.

RUSSIA, NORTHWESTERN—QUACK GRASS

Controlling the quack grass Agropyrum repens in the northwest of the R. S. F. S. R. N. E. Poliakova. Biul. nauch. -tekh. inform. SZNIISKH no. 3:26-29 '58.

RUSSIA, NORTHWESTERN—SHEEP

Dual-purpose sheep raising in the northwestern zone. A. E. Shubin. Biul. nauch. -tekh. inform. SZNIISKH no. 3:55-56 '58.

RUSSIA, NORTHWESTERN—SOIL ACIDITY

Effect of soil reaction on the yield of different varieties of farm crops. M. F. Kornilov, Z. V. Trucina. Biul. nauch. -tekh. inform. SZNIISKH no. 3:6-9 '58.

RUSSIA, NORTHWESTERN—SOILS—MAPS

Conference on problems in mapping soils of collective and state farms in the northwestern part of the R. S. F. S. R. E. I. Gagarina. Pochvovedenie no. 1:108-109 Ja '63.

RUSSIA, NORTHWESTERN—SOILS—NITROGEN CONTENT

Penetration of nitrogen into soil with precipitation in various zones of the European part of the U. S. S. R. [with summary in English]. M. A. Bobritskaja. Pochvovedenie no. 12:53-60 D '62.

RUSSIA, NORTHWESTERN—WEED CONTROL

Controlling the quack grass Agropyrum repens in the northwest of the R. S. F. S. R. N. E. Poliakova. Biul. nauch. -tekh. inform. SZNIISKH no. 3:26-29 '58.

RUSSIAN DRAMA—HISTORY AND CRITICISM

Boguslavskii, A. O., and V. A. Dlev. [Soviet Russian dramaturgy; basic problems of its development, 1917-1935] Ruskaja sovetskaja dramaturgija; osnovnye problemy razvitiia, 1917-1935. Moskva, Izd-vo Akad. nauk SSSR, 1963. 374 p. Lessons learned from Chekhov the playwright. V. Khalizev. Vop. lit. 6 no. 12:78-94 D '62.

RUSSIAN DRAMA—STUDY AND TEACHING

Role of comparison in studying the specific character of drama in secondary schools. P. S. Pustovalov. Dokl. APN 6 no. 5:57-60 '62.

RUSSIAN EXPLORATION see subdivision under Antarctic regions; Enderby Land

RUSSIAN LANGUAGE—ADJECTIVE

Development of student speech during the study of the degrees of adjectives. L. L. Pokrovskii. Rus. iaz. v shkole 24 no. 1:57-59 Ja-F '63.

Materials on entertaining morphology. V. S. Gabo. Rus. iaz. v shkole 24 no. 1:87-88 Ja-F '63.

Methods to stimulate the study of adjectives in the fifth grade. I. G. Urmov. Rus. iaz. v shkole 24 no. 1:51-57 Ja-F '63.

Orthography of compound adjectives. A. I. Kaidalova. Rus. iaz. v shkole 24 no. 1:27-31 Ja-F '63.

RUSSIAN LANGUAGE—CHRESTOMATHIES AND READERS

Gudzil, N. K., comp. [Chrestomathy of old Russian literature from the 11th to the 17th century] Khrestomatija po drevnei russkoi literaturne XI-XVII vekov. Izd. 7., ispr. Moskva, Uchpedgiz, 1962. 543 p.

Trifonov, N. A., comp. [Russian literature of the 20th century (the prerevolutionary period); a chrestomathy] Russkaja literatura XX veka (dorevolucionnyi period); khrestomatija. Moskva, Uchpedgiz, 1962. 698 p.

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Grammatical problems on syntax and punctuation. A. I. Gurevich. Rus. iaz. v shkole 24 no. 1:85-87 Ja-F '63.

RUSSIAN LANGUAGE—CONJUNCTIONS

Studying the topic "Spelling of conjunctions" in the schools for working youth. A. V. Nekhaev. Rus. iaz. v shkole 24 no. 1:72-73 Ja-F '63.

RUSSIAN LANGUAGE—CONSONANTS

North Great Russian alternation of voiced and voiceless consonants [with summary in English]. V. V. Kolesov. Vest. LGU 18 no. 2:103-112 '63.

RUSSIAN LANGUAGE—DIALECTS

North Great Russian alternation of voiced and voiceless consonants [with summary in English]. V. V. Kolesov. Vest. LGU 18 no. 2:103-112 '63.

RUSSIAN LANGUAGE—DIALECTS—DICTIONARIES

Filin, F. P. [Draft of the Dictionary of Russian Dialects] Proekt slovaria russkikh narodnykh govorov. Moskva, Akad. nauk SSSR, 1961. 197 p. (MH)

RUSSIAN LANGUAGE—DICTIONARIES

Akademija nauk SSSR. Institut russkogo iazyka. [Dictionary of the modern Russian literary language] Slovar' sovremennogo russkogo literaturnogo iazyka. Moskva, Izd-vo Akad. nauk SSSR. Vol. 14. 80 - slam. 1963. 1390 columns.

RUSSIAN LANGUAGE—DICTIONARIES—AZERBAIJANI

Akademija nauk Azerbaidzhanской SSR, Baku. Terminologicheski komitet pri Prezidiume. [Dictionary of terms in soil science and agricultural chemistry] Slovar terminov po pochvovedeniju i agrokimii. Baku, Izd-vo Akad. nauk Azerbaidzhanской SSR, 1962. 76 p. [In Russian and Azerbaidzhan]

RUSSIAN LANGUAGE—DICTIONARIES—LITHUANIAN

Lietuvos TSR Mokslu akademija, Vilna. Lietuviu kalbos ir literaturos institutas. [Dictionary of literary terminology] Literaturos terminu zodynas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 80 p. [In Lithuanian and Russian]

RUSSIAN LANGUAGE—DICTIONARIES—POLYGLOT

World Power Conference. U. S. S. R. National Committee. Tekhnicheskii slovar' po plotnam. Technical dictionary on dams. Moskva, Glav. red. inostr. nauchno-tekhn. slovari Fizmatgiza, 1962. 379 p. [In 11 languages]

RUSSIAN LANGUAGE—DICTIONARIES—ROMANIAN

[Russian-Romanian technical dictionary] Dictionar tehnic Rus-Romin. Bucharest, Editura tehnica, 1956. 1165 p.

RUSSIAN LANGUAGE—DICTIONARIES—UKRAINIAN

Shelud'ko, I. M., P. I. Hnyb, and V. H. Mar'nychenko, comps. [Russian-Ukrainian dictionary on heat and gas engineering. 32 000 terms] Roslis'ko-ukraints'kyi slovnyk z teploekhniki ta gazotekhniki. 32 000 terminiv. Vidpovidal'nyi red. I. T. Shvets'. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 308 p.

RUSSIAN LANGUAGE—ETYMOLOGY—DICTIONARIES

Contents of dictionary articles by M. Vasmer on the etymological explanation of Slavic derivatives. N. M. Shanskii. Etim. issl. po rus. iaz. no. 3:59-72 '61.

RUSSIAN LANGUAGE—EXAMINATIONS, QUESTIONS, ETC.

Russian language examinations in the eighth grade. M. I. Gryzlova, I. I. Kulibaba. Rus. iaz. v shkole 24 no. 1: 66-72 Ja-F '63.

RUSSIAN LANGUAGE—FOREIGN WORDS AND PHRASES

Dictionary of winged and foreign words. Agitator no. 2: 58 Ja '63.

Dictionary of winged and foreign words. Agitator no. 4: 29 F '63.

Three whales; a dictionary of winged and foreign words. Agitator no. 7:48 Ap '62.

RUSSIAN LANGUAGE—GRAMMAR

Hurski, M. I. [Comparative grammar of the Russian and White Russian languages; phonetics and morphology] Paramul'naja grammatyka russkai i belaruskai mov; fonetika i morfologija; poruchnik dlia studentov i pedinstytutov. Minsk, Dzlazh. vychetnaja-pedagog. vyd-va M-va osvety BSSR, 1962. 247 p. (MH)

Shapovalova, T. A. [Grammatical analysis in Russian language lessons] Grammaticheskii razbor na urokakh russkogo iazyka; posobie dlia uchitelja. Moskva, Uchpedgiz, 1962. 222 p.

Tenth graders report grammar. G. N. Gazi'lanova, Vech. sred. shkola 5 no. 6:51-53 N-D '62.

Use of attributes in a school grammar course. I. H. Palei. Rus. iaz. v shkole 24 no. 1:74-80 Ja-F '63.

RUSSIAN LANGUAGE—NOUN

Inculcating correct speech habits in students during the study and repetition of the section "Noun." T. S. Voroshilova. Rus. iaz. v shkole 24 no. 1:46-50 Ja-F '63.

Nouns ending in "-nie" formed from verbs with the suffix "-nu-." L. G. Sverdlov. Etim. issl. po rus. iaz. no. 3:27-40 '61.

RUSSIAN LANGUAGE—ORTHOGRAPHY

For the radical reform of Russian orthography. B. P. Ardentov. Rus. iaz. v shkole 24 no. 1:32-33 Ja-F '63.

Not the breaking up but the improvement of our writing. S. G. Barkhudarov. Rus. iaz. v shkole 24 no. 1:15-19 Ja-F '63.

Penmanship and orthography. P. S. Kuklin. Nach. shkola 31 no. 1:10-23 Ja '63.

Russian orthography and the ways to improve literacy. V. F. Ivanova. Rus. iaz. v shkole 24 no. 1:19-26 Ja-F '63.

Speech and orthography. A. I. Efimov. Rus. iaz. v shkole 24 no. 1:8-15 Ja-F '63.

RUSSIAN LANGUAGE—SENTENCES

Methods of distinguishing a compound sentence with the conjunction "i" from a simple sentence with coordinate parts. A. I. Nikerov. Rus. iaz. v shkole 24 no. 1:59-63 Ja-F '63.

RUSSIAN LANGUAGE—SPOKEN RUSSIAN

Development of student speech during the study of the degrees of adjectives. L. L. Pokrovskii. Rus. iaz. v shkole 24 no. 1:57-59 Ja-F '63.

Inculcating correct speech habits in students during the study and repetition of the section "Noun." T. S. Voroshilova. Rus. iaz. v shkole 24 no. 1:46-50 Ja-F '63.

RUSSIAN LANGUAGE—STUDY AND TEACHING

(see also subdivision under Mongolia)

Editor's mail. Rus. iaz. v shkole 24 no. 1:123-127 Ja-F '63.

In the Ministry of Education of the R. S. F. S. R. Rus. iaz. v shkole 24 no. 1:107 Ja-F '63.

Interesting games in class. Nach. shkola 31 no. 1:83-83 Ja '63.

Kriuchkov, S. E., I. I. Kulibaba, and L. I. Maksimov. [Work on the first part of the "Textbook of the Russian language" (instructions for the revised edition); a teacher's text] Rabota po 1-i chasti "Uchebnika russkogo iazyka" (ukazaniia k porabotannomu izdaniu); posobie dlia uchitelja. Moskva, Uchpedgiz, 1962. 207 p.

RUSSIAN LANGUAGE — STUDY AND TEACHING (Continued)

- Language study during the physics lessons. V. P. Moliseenko, Vech. sred. shkola 5 no. 5:35-37 S-O '62.
- Let's improve the Russian language knowledge of secondary school graduates. L. A. Chesko, Rus. iaz. v shkola 24 no. 1:80-84 Ja-F '63.
- Let's join our efforts in forming a communist outlook! Rus. iaz. v shkola 24 no. 1:1-5 Ja-F '63.
- Let's teach them to work independently. G. I. Gorskina, Rus. iaz. v shkola 24 no. 1:39-46 Ja-F '63.
- Let's think about it. V. Chupyrkin, Rus. iaz. v shkola 24 no. 1:86 Ja-F '63.
- Migunov, A. A. [Inspecting the teaching of the Russian language in secondary schools] Inspektirovanie prepodavanija russkogoazyka v srednei shcole. Pod red. A. N. Volkovskogo i A. V. Tekucheva. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1958. 205 p. (Pedagogicheskaja biblioteka uchitelja)
- Model planning of the program on the Russian language, literature and development of speech. Rus. iaz. v shkola 24 no. 1:109-123 Ja-F '63.
- "Psychology of the assimilation of grammar and orthography." Reviewed by A. I. Vlasenkov. Vop. psikh. no. 6:148-150 N-D '62.
- "Psychology of the assimilation of grammar and orthography." Reviewed by V. G. Krasnov. Nach. shkola 31 no. 1:80-82 Ja '63.
- Russian language lessons and life. M. I. Plotnikov, Vech. sred. shkola 5 no. 5:30-35 S-O '62.
- Spirova, L. F., and R. I. Shufar. [Methods of teaching the Russian language to children with speech disorders; learning to read and write] Voprosy metodiki obucheniia russkomuazyku detei s narusheniami rechi; obucheniia gramote. Moskva, Izd-vo APN RSFSR, 1962. 80 p. (Pedagogicheskaja biblioteka uchitelja)
- Study of style, vocabulary and orthography in the curricula of the pedagogical institutions of higher learning. E. S. Skolnikova, Rus. iaz. v shkola 24 no. 1:95 Ja-F '63.
- To accelerate the assimilation of the Russian language by foreign students. G. I. Makarova, V. E. Mikhailenko, Vest. vys. shkoly 21 no. 2:47-49 F '63.
- To facilitate the assimilation of the Russian language... K. I. Kantski, Vech. sred. shkola 5 no. 6:46-50 N-D '62.
- Use of motion pictures in Russian language lessons. L. P. Pressman, Rus. iaz. v shkola 24 no. 1:62-66 Ja-F '63.
- Valuable lessons. V. P. Shcherbakov, V. A. Grechishkin, I. A. Goncharov, Nach. shkola 31 no. 1:13-18 Ja '63.
- "Work on sentences and coherent speech in primary grades" by M. L. Zakozhurnikova. Reviewed by L. A. Gorbushina, Nach. shkola 31 no. 1:82-83 Ja '63.

RUSSIAN LANGUAGE—STYLE

- Abramovich, A. V., and others. [Exercises on style in literary Russian] Prakticheskaia stilistika russkogo literaturnogoazyka. [Moskva] Izd-vo Mosk. univ., 1962. 385 p.

RUSSIAN LANGUAGE—SYNONYMS

- Textual study of synonyms; synonymic adjectives in the works of A. P. Chekhov [with summary in English]. K. S. Gorbachevich. Vest. LGU 18 no. 2:102-102 '63.

RUSSIAN LANGUAGE—SYNTAX

- Repetition of syntax in senior grades. E. F. Kosykh. Vech. sred. shkola 5 no. 6:54-55 N-D '62.

RUSSIAN LANGUAGE—TEXTBOOKS

- "Present-day Russian" by N. S. Valgina and others. Reviewed by I. A. Vasilenko. Vest. vys. shkoly 21 no. 1:83-87 Ja '63.
- "The present day Russian language." Part 1, by E. M. Galkina-Fedoruk, K. V. Gorskova, N. M. Shanskii. Reviewed by E. A. Vasil'evskaja. Rus. iaz. v shkola 24 no. 1:104-106 Ja-F '63.
- "Russian language textbook." Part 2, by S. G. Barkhudarov, S. E. Kriuchkov. Reviewed by V. P. Sukhotin and others. Rus. iaz. v shkola 24 no. 1:97-103 Ja-F '63.

RUSSIAN LANGUAGE—VERB

- Independent work in studying verbs. M. L. Zakozhurnikova, Z. S. Lomakina, Nach. shkola 31 no. 1:6-12 Ja '63.

RUSSIAN LANGUAGE—WORDS

- "Chepukha" and "shkura." A. S. L'vov. Etim. issl. po rus. iaz. no. 3:5-14 '61.
- Etymology of the word "otvazhnyi" in the Russian language. M. N. Shabalin. Etim. issl. po rus. iaz. no. 3:52-58 '61.
- A few instances of lexical-semantic contamination: "rasputnyi" and "putnyi," "nochleg" "naushchat" and "naushchenie." D. N. Shmelev. Etim. issl. po rus. iaz. no. 3:78-83 '61.
- A few Russian etymologies: "bardadym," "budorazhit," "porok," "okolotok," "kharia," "khudoshchavii," "shushun." O. N. Trubachev. Etim. issl. po rus. iaz. no. 3:41-51 '61.

- History of names of certain plants: "bagul'nik" and "omeg." V. A. Merkulova. Etim. issl. po rus. iaz. no. 3:15-19 '61.
- History of the word "nomer" ("number"). A. M. Sandler. Etim. issl. po rus. iaz. no. 3:20-26 '61.
- Uspenski, L. V. [A word about words. You and your name] Slovo o slovakh. Ty i tvoe imia. [Leningrad] Lenizdat, 1962. 633 p.

RUSSIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Russian literature

RUSSIAN LITERATURE—HISTORY AND CRITICISM (see also subdivision under United States)

- "Craftsmanship of the writer." Reviewed by V. Litvinov. Vop. lit. 6 no. 12:213-215 D '62.
- Critical searchlights. Semen Shurtakov. V mire knig 2 no. 10:43-44 O '62.
- "Cultivated by the written word" by S. Marshak. Reviewed by L. Lazarev. Vop. lit. 6 no. 12:170-175 D '62.
- Disappointment in a friend. M. Kuznetsov. V mire knig 2 no. 8:25-27 Ag '62.
- Dushanbe. Universitet. [Articles on Soviet literature] Siat' o sovetskoi literature. Stalinabad, 1961. 89 p. (MH)
- Folklore elements in the old Russian literature. L. I. Emel'ianov. Rus. folk. 7:26-43 '62.
- Hero of the story. F. Svetov. Vop. lit. 6 no. 12:17-35 D '62.
- "In the stream of life; problems and heroes of contemporary Soviet literature" by V. Pankov. Reviewed by M. Peisakhovich. Vop. lit. 6 no. 12:179-182 D '62.
- Kuz'michev, I. K. [Genres of Russian literature during the war years, 1941-1945] Zhanry russkoi literatury voennykh let, 1941-1945. Gor'ki, Gor'kovskii gos. univ. im. N. I. Lobachevskogo, 1962. 453 p.
- [Looking toward the future; collection of articles by young critics] Navstrechu budushchemu; sbornik statei molodykh kritikov. Moskva, Sovetskii pisatel', 1962. 356 p.
- "Modern man"; the conceptions of "universalization" and "integration" of individuals. V. Shcherbina. Vop. lit. 6 no. 12:3-16 D '62.
- Novels for the people. V. Il'inkov. V mire knig 2 no. 8:30-31 Ag '62.
- Odesa. Universitet. [Artists for the people; articles on the work of Soviet writers] Mytiai narodu; zbirka statei po tvorchestvu radians'kykh pyes' menykyv. Odesa, M-vo vyshchoi ta serednoi spetsial'noi osvity URSR, 1961. 163 p. (MH)
- Problem of the literary image in the sketch. I. S. Shekhtovets. Uch. zap. MGPI [174]:250-258 '61.
- The problem of the national character of literature and folklore in N. G. Chernyshevskii's aesthetic conception. L. M. Zemljanova. Rus. folk. 7:171-188 '62.
- A review of V. O. Kilychevskii's unpublished manuscripts on Russian literature of the 19th century and of the early 20th century. E. G. Chumachenko. Trudy MGAI 16:301-315 '61.
- "Serious life" by A. Makarov. Reviewed by V. Kamianov. Vop. lit. 6 no. 12:175-178 D '62.
- RUSSIAN LITERATURE—STUDY AND TEACHING
Kvlatkovskii, E. V. [Studying Soviet literature in grade 10 of the evening (shifted) school] Izuchenie sovetskoi literatury v X klasse vechernoi (smennoi) shkoly. Moskva, Izd-vo Akad. nauk RSFSR, 1962. 301 p.
- Literary group with a community spirit. F. Strumilin. Knizh. 11 no. 4:18 Ap '62.
- Mashenko, N. M., F. N. Tomasevich, and K. T. Tsisar. [Russian literature] Russkaja literatura. Kiev, Radians'ka shkola, 1961. 483 p. (NNC)
- Survey lectures on literature for correspondence students. S. A. Liabizon. Sred. spets. obr. 9 no. 12:34-39 D '62.
- RUSSIAN LITERATURE—TEXTBOOKS
"Russian literature" by E. V. Kvlatkovskii. Reviewed by V. A. Matusevich. Vech. sred. shkola 5 no. 6:77-78 N-D '62.
- RUSSIAN NEWSPAPERS
(see also subdivision under Moldavia)
Baku. Institut istorii partii. [Pravda and Azerbaijan] Pravda i Azerbaidzhan. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 380 p. (MH)
- [The Bell] published by A. I. Herten and N. P. Ogarev (the Free Russian Press) from 1857 to 1867. London - Geneva. Facsimile edition] Kolokol; gazeta A. I. Ger-tsen i N. P. Ogareva. Vol'naja Russkaja Tipografiia, 1857-1867 London-Zheneva. Faksimil'noe izdanie. Moskva, Izd-vo Akad. nauk SSSR.
- No. 5. London, 1862. 1962. 682-1268 p.
- Donkov, B. T., and B. B. Batuev. [Pravda on Buryat-Mongolia; on the fiftieth anniversary of the newspaper Pravda] Pravda o Buriatii; k 50-letiiu gazety Pravda. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 53 p.
- Kiev. Universitet. [Fifty years of "Pravda"] 50 rokov "Pravdy"; zbirnyk statei. [Kyiv] 1962. 161 p.

- Lenin's "Iskra" and the Volzga political exiles. L. F. D'kakovitsyn. Trudy MGAI 16:221-229 '61.
- Lenin's "Pravda" and the intensification of the revolutionary movement in the Ukraine from 1912 to 1914. O. Olinychenko. Komm. Ukr. 37 no. 5:41-48 My '62.
- Newspapers in community centers. Kul't.-pros. rab. 23 no. 6:50-64 Je '62.
- "Pravda" and the revolutionary movement of young workers. IU. Sorin. Mol. komm. no. 5:36-40 My '62.
- "Pravda" is fifty years old. D. Bekasov. Agitator no. 7:21-25 Ap '62.
- Propagandist of the great ideas of communism. S. Sokolov. Mol. komm. no. 5:30-37 My '62.
- V. I. Lenin and the newspaper "Bednota." V. Khokhlov. Agitator no. 7:25-28 Ap '62.

RUSSIAN NEWSPAPERS—INDEXES

- [Chronicle of newspaper articles] Let. gazet. st. Vspomogatel'nye ukazateli k nos. 10-12 za 1962 god.

RUSSIAN PERIODICALS

- Anthropology in the Russian popular journals. "Moskovskii telegraf" and "Biblioteka dlia chtenia," during the thirties of the 18th century. N. G. Zaklind. Vop. antr. no. 10:139-152 '62.
- Books and pamphlets dedicated to the 50th anniversary of "Pravda." Komm. Mold. 7 no. 5:73-74 My '62.
- Brief account of ourselves. M. Semenov. Sov. pech. no. 8:60 Ag '62.
- The journal "Vlast' soveto" as an historical source. T. V. Kuznetsova. Trudy MGAI 16:159-170 '61.
- Our plans. P. Rodionov. Raspr. pech. no. 1:23-24 Ja '62.
- Participation of the old Bolsheviks in the work of our periodical. Vop. ist. KPSS 7 no. 2:155-156 F '63.
- "Railroad Transportation" [Zhелеznodorozhnyi transport]. Raspr. pech. no. 1:23-24 Ja '63.
- To our readers abroad. Sov. Soizuz no. 9:22 '62.
- Vasina, E. L. [Lenin's plan to organize a Marxist party in Russia. The struggle of Lenin's "Iskra" for the organization of party] Leninskii plan postroeniia marksistskoi partii v Rossii, bor'ba leninskoi "Iskry" za sozdanie partii; lektsii dlia studentov-zaochnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962. 38 p.
- We address you, dear reader! Kul't.-pros. rab. 23 no. 12:36 D '62.

RUSSIAN PERIODICALS—INDEXES

- [Chronicle of periodical articles] Let. zhur. st. nos. 9-11 '63.

- Index of materials published in "Kul'turno-prosvetitel'-naia rabota" during 1962. Kul't.-pros. rab. 23 no. 12: 60-p. 3 of cover D '62.
- Kazan. Nauchnaia biblioteka imeni N. I. Lobachevskogo. [Classified index of articles in the periodical publications of Kazan University, 1815-1847, excepting "Uchenye zapiski," "Izvestiia obshchestva arkhologii, istorii i etnografii," and "Kazanskoe izvestiia." Sistematicheski ukazatel' statei k periodicheskim izdaniiam Kazanskogo ordena Trudovogo Krasnogo Znamenii gosudarstvennogo universiteta im. V. I. Ul'ianova-Lenina, 1815-1847 gg.; krome "Uchenykh zapisek," "Izvestii obshchestva arkhologii, istorii i etnografii" i "Kazanskikh izvestii." Sost. E. M. Mishina. Kazan', 1960. 279 p.

RUSSIAN PLAIN see East European Plain

- RUSSIAN PLATFORM—BRACHIOPODA, FOSSIL
Grigor'eva, A. D. [Productidae of the Kazan stage in the Russian Platform and conditions of their existence] Produktidy kazanskogo iazusa Russkoi platformy i usloviia ikh snazhchestvovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 91 p. 10 plates. [Akademika nauk SSSR. Paleontologicheskii institut. Trudy, vol. 92]

RUSSIAN PLATFORM—GEOLOGY, STRATIGRAPHIC

- Age of Cambrian (Izhora (fucoid) layers in the north-western Russian Platform. K. Khazanovich. Izv. AN SSSR. Ser. geol. 27 no. 12:102-104 D '62.
- Characteristics of Jurassic sediments in the southwestern part of the Russian Platform and the Carpathian piedmont fault. I. A. M. Sandler. Geol. zhur. 22 no. 6: 79-83 '62.

RUSSIAN PLATFORM—MICROPALAEONTOLOGY

- Second Conference on the Mesozoic Microfauna of the Russian Platform. O. S. Lypnyk, L. F. Plotnykova. Geol. zhur. 22 no. 6:92 '62.

RUSSIAN POETRY—HISTORY AND CRITICISM

- "What" and "how" in poetry. A. Marchenko. Vop. lit. 6 no. 12:36-45 D '62.

RUSSIAN SATELLITES see Communist countries

RUSSIAN SOCIAL DEMOCRATIC PARTY

- (see also subdivision under Dnepropetrovsk; Latvia; Ukraine; White Russia)
The 50th anniversary of the Basel Congress of Socialists. M. A. Abdurakhmanov. Vop. ist. KPSS 7 no. 1:153-155 Ja '63.
- From the history of the party, from March to early April, 1917. A. V. Snegov. Vop. ist. KPSS 7 no. 2:15-30 F '63.

RUSSIAN SOCIAL DEMOCRATIC PARTY (Continued)

How bourgeois historians falsify some problems concerning the organization of the Russian Social Democratic Party. G. S. Zhurkov, V. A. Shishkin. Vop. ist. KPSS 7 no. 1: 131-139 Ja '63.

Organizational work of the Central Committee of the Russian Social Democratic Party after its Second Congress. N. I. Kuznetsov. Vop. ist. KPSS 7 no. 1: 56-65 Ja '63.

Reviewing the sources for the period from the First Congress of the Russian Social Democratic Party to V. I. Lenin's newspaper "Iskra." A. F. Kostin. Vop. ist. KPSS 7 no. 1: 103-114 Ja '63.

Students of the Saint Petersburg Institute of Forestry in the social democratic movement of the 1880's and 1890's. L. I. Marinchak. Nauch. trudy LTA no. 95: 89-100 '61.

Vasina, E. L. [Lenin's plan to organize a Marxist party in Russia. The struggle of Lenin's "Iskra" for the organization of party] Lenin's plan postroeniia marksistskoi partii v Rossii, bor'ba leninskoi "Iskry" za sozdanie partii; lektsii dlia studentov-zaochnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962. 38 p.

Zlobin, V. L. [The Bolshevik Party in the years of renewed revolutionary activity, 1910-1914] Partia bol'shevikov v gody novogo revoliutsionnogo pod'ema, 1910-1914 gody; lektsii dlia studentov-zaochnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. gos. univ., 1962. 61 p.

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES—BIBLIOGRAPHY see Bibliography—Russian Social Democratic Party—Congresses

RUSSKAYA BEKTYASHKA REGION—GEOLOGY, STRATIGRAPHIC

Recent data on the Pliocene of the region of Rusekaya Bektyashka on the right bank of the Volga. T. A. Kuznetsova. Dokl. AN SSSR 148 no. 3: 668-671 Ja '63.

RUSTS (FUNGI) see subdivision under Caucasus

RUTHENIA see Transcarpathia

RUTHENIAN LANGUAGE see Ukrainian language

RUTHENIUM COMPOUNDS

Structure of crystals of nitrosopentamine ruthenium trichloride. T. S. Khodasova, Zhur. strukt. khim., 4 no. 1: 111-112 Ja-F '63.

RUZAYEVKA DISTRICT (KOKCHETAV PROVINCE)—TRADE UNIONS

Helping people is a good occupation. G. Levin. Sov. profsoiuzy 19 no. 3: 8-9 F '63.

RYAZAN—LANDSCAPE GARDENING

Improvement of the public areas of one's own city is the business of all workers. N. Pakhomov, Zhil.-kom. khoz., 12 no. 10: 3-5 O '62.

RYAZAN—MACHINERY INDUSTRY WORKERS

"I ask to be released..." E. Millekman. Sov. profsoiuzy 19 no. 5: 15 Mr '63.

RYAZAN—VETERINARY LABORATORIES

What the Ryazan Provincial Research and Manufacturing Laboratory is doing. P. P. Uzorov. Veterinaria 37 no. 7: 28-29 Ji '60.

RYAZAN PROVINCE—BIRDS

Supplements and corrections to the list of birds in the Oka Preserve and Ryazan Province. E. S. Pishenko. Ornitologiya no. 5: 108-109 '62.

RYAZAN PROVINCE—HISTORY—STUDY AND TEACHING

Regional seminars of history teachers in Ryazan Province. E. S. Grechikhina, A. Sh. Sapir. Prep. ist. v shkole 17 no. 8: 117-118 N-D '62.

RYAZAN PROVINCE—TEACHERS, TRAINING OF

Work of technical committees in schools. I. Stepanov, P. Logvinenko, D. Goncharov. Shkola i proizvod. 6 no. 9: 88-89 S '62.

RYAZAN REGION—HISTORY

"The Ryazan region" by A. L. Morgail. Reviewed by A. P. Smirnov. Vop. ist. 38 no. 2: 150-153 F '63.

RYBAK, NATAN SAMILOVYCH, 1913-

Natan Rybak's 50th birthday. O. Dashchenko. Ukraina no. 1: 7 Ja '63.

RYBINSK RESERVOIR—BENTHOS

Bottom population in the temporary flooding zone of Rybinsk Reservoir. V. F. Fenikuk. Trudy DGZ no. 7: 277-308 '61.

RYBINSK RESERVOIR—FISHES

Distribution of fishes in the Mologa spur of Rybinsk Reservoir. L. A. Blagovidova. Trudy DGZ no. 7: 247-276 '61.

RYBINSK RESERVOIR—FISHES—PHYSIOLOGY

Seasonal changes in the blood of fishes of Rybinsk Reservoir. L. I. Smirnova. Vop. ikht., 2 no. 4: 677-686 '62.

RYBINSK RESERVOIR—PARASITES—GULLS

Helminth fauna of laridina birds in Rybinsk Reservoir. A. A. Shigin. Trudy DGZ no. 7: 309-362 '61.

RYBINSK RESERVOIR—PARASITES—TERNS

Helminth fauna of laridina birds in Rybinsk Reservoir. A. A. Shigin. Trudy DGZ no. 7: 309-362 '61.

RYBINSK RESERVOIR—WORMS, INTESTINAL AND PARASITIC

Helminth fauna of laridina birds in Rybinsk Reservoir. A. A. Shigin. Trudy DGZ no. 7: 309-362 '61.

RYBINSK RESERVOIR REGION—ASPEN

From the materials of studies on the growth of aspen in the zone of the influence of Rybinsk Reservoir. V. P. Seleznev. Trudy DGZ no. 7: 119-127 '61.

RYBINSK RESERVOIR REGION—MOOSE

Ecology and economic importance of moose in the bank areas of Rybinsk Reservoir. M. L. Kaletskaya. Trudy DGZ no. 7: 176-248 '61.

RYBINSK RESERVOIR REGION—RICE

Practices in studying and growing the Far Eastern rice Zizania latifolia Turcz. in Rybinsk Reservoir. T. N. Kutova. Trudy DGZ no. 7: 101-117 '61.

RYBINSK RESERVOIR REGION—WOODY PLANTS

Observing the regeneration of tree and shrub vegetation in the temporary flooding zone of Rybinsk Reservoir. K. A. Kudinov. Trudy DGZ no. 7: 129-130 '61.

RYBKIN, NIKOLAI ALEKSANDROVICH, 1861-?

Mathematical textbooks by N. A. Rybkin in Poland. E. M. Bol'shen, R. A. Simonov. Dokl. APN 6 no. 5: 75-78 '62.

RYBNITSA REGION—AGRICULTURAL ADMINISTRATION

The "style" of work. N. I. Usim. Komm. Mold. 7 no. 5: 8-16 My '62.

RYL'S'KYI, MAKSYM, 1895-

"The shadow of a skylark; verse" by Maksym Ryl's'kyl. Reviewed by Volodymyr Boiko. Ukraina no. 13: 16 Ji '62.

RYNIN, NIKOLAI ALEKSEEVICH, 1881-1942

Outstanding promoter of aeronautics and astronautics. A. Tarasov. Kryl. rod. 13 no. 7: 22-23 Ji '62.

SAARINEN, EERO, 1910-1961

My creative method. E. Saarinen. Sov. arkhil., no. 14: 121-134 '62.

SACROCOCYGEAL REGION—TUMORS

Large-sized organismoid tetradoma. D. M. Dalgat. Vest. khir., 69 no. 11: 138-139 N '62.

SAFETY APPLIANCES

Technical information. Okhr. truda i sots. strakh., 6 no. 12: 32-37 D '62.

SAFETY LAMP

History of the discovery of the Davy's lamp. I. A. P. Stradyn. Trudy Inst. ist. est. i tekhn., 39: 66-76 '62.

SAFRONOV, VASILII ALEKSEEVICH

Get acquainted: Safronov from the "Petrovskii" State Farm. I. A. Brianskii. Kul't.-pros. rab. 23 no. 8: 23-25 Je '62.

SAGURAMOS PRESERVE—FOREST ECOLOGY

Colebian elements in the Saguramos Preserve [in Georgian with summary in Russian]. K. D. Mamisashvili. Trudy Inst. leza AN Gruz. SSR 11: 45-64 '62.

SAIBENKO, OLEKSEANDR FERAPONTOVYCH, 1899-

An exhibition of O. F. Saenko's works. V. I. Arinich. Nar. tvorch. ta etn. 6 no. 3: 152-153 Ji-S '62.

SAIGA see subdivision under Caspian Sea region

SAILORS (NAVY) see subdivision under Volga River

SAIMAA CANAL

Saimaa Canal. V. Fedorov. Agitator no. 4: 51-52 F '63.

SAINTS, MOHAMMEDAN—CULTUS

Ancient roots of the cultus of Mohammedan saints; based on the materials of Azerbaijan. Z. I. Lampolskii. Trudy Muzeia ist. Azerb. 5: 193-205 '62.

SAKHALIN—COAL GEOLOGY

Sal'nikov, B. A., and others. [History of Paleogene coal accumulation in Sakhalin.] Istoriia paleogenovogo uglenakopleniia na territorii Sakhalina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 167 p. 22 plates. (Akademiia nauk SSSR. Laboratoriia geologii ugla. Trudy, no. 17)

SAKHALIN—OIL FIELDS—SAFETY MEASURES

Consolidate the achievements of oil-field workers on Sakhalin. M. M. Novikov. Bezop. truda v prom., 7 no. 2: 12-13 F '63.

SAKHALIN PROVINCE see Sakhalin

SALAIR RIDGE—BIRDS AS CARRIERS OF DISEASE

Transmission of mites by thrushes in the taiga and wooded steppe of the Salair Ridge (Kemerovo Province). N. N. Gorchakovskaya, S. P. Chumikhin. Ornitologiya no. 5: 113-117 '62.

SALAIR RIDGE—THRUSHES

Transmission of mites by thrushes in the taiga and wooded steppe of the Salair Ridge (Kemerovo Province). N. N. Gorchakovskaya, S. P. Chumikhin. Ornitologiya no. 5: 113-117 '62.

SALES TAX

More on the nature of the turnover tax. A. Afekandrov, G. Rabinovich. Fin. SSSR 37 no. 1: 29-34 Ja '63.

SALESMEN AND SALESMANSHIP see subdivision under Pavlodar

SALICYLALDEHYDE

Oxidation of benzene and phenol by pernitrous acid and of salicylaldehyde by Fenton's reagent. N. A. Vysotskaya. Dokl. AN SSSR 148 no. 2: 346-356 Ja '63.

SALICYLANILIDE

Rapid method of determining the salicylanilide content of fabrics. S. E. Khorooshina and others. Nauch.-issl. trudy VNIIPK no. 12: 110-111 '60.

SALICYLIC ACID

Synthesis of amino sulfides and amino sulfones. Part 27: Synthesis of some salicylic acid sulfonamides. I. Kh. Fel'dman, N. M. Vinokurova, Zhur. ob. khim., 33 no. 2: 394-396 F '63.

SALINE AND ALKALI SOILS see subdivision under Azerbaizhan; Kayrak-Kum Reservoir

SALINE WATERS—DEMINERALIZATION

Evaluation of the degree of separation of a mixture of ion exchangers. A. S. Smirnov, E. S. Peremyslova. Plast. massy no. 2: 60-69 '63.

Use of ionites for water desalting. M. Gol', D. Pikhner. Most. prom. i khud. promys. 3 no. 12: 30-31 D '62.

SALINITY see subdivision under Caspian Sea

SALIVA

Effect of human saliva on the inhibitory activity of some substrates and the virus adsorbing capacity of the erythrocytes. E. A. Fridman. Trudy Len. inst. epid. i mikrobiol., 17: 13-19 '68.

SALIVARY GLANDS—ABNORMALITIES AND DEFORMITIES

Salivary gland located in the supraclavicular region. R. Kh. Vasil'ov. Vest. khir., 69 no. 11: 137 N '62.

SALMON

(see also subdivision under Amur River; Pacific Ocean)

Activation of sodium excreting cells in the gills of humpback salmon and chum adapting to the life in sea water. I. U. V. Natchin, G. D. Bocharov. Vop. ikht., 2 no. 4: 607-602 '62.

Additional ring in the nuclear part of the scale of humpback salmon (Oncorhynchus gorbuscha (Walb.)). R. I. Enlutina. Vop. ikht., 2 no. 4: 740-742 '62.

Experimental foundation of methods for accelerating the embryonal development in salmon and their importance to the biotechnics of salmon raising [with summary in English]. M. F. Verndub. Vest. LGU 18 no. 3: 7-22 '63.

SALMONELLA

Survival rate of Salmonella enteritidis Gärtneri in the milk and urine of cattle. B. D. Tulbaev. Trudy Uz. nauch.-issl. inst. vet. 14: 97-100 '61.

SALMONELLA INFECTIONS

Hepatic syndrome and its diagnostic significance in the clinical picture of salmonellosis. S. P. Khristii. Vrach. delo no. 1: 132-133 Ja '63.

SAL'SK DISTRICT—REGIONAL PLANNING

Planning an agricultural district. M. Zykov. Sel. stroit. 15 no. 3: 11-12 Mr '60.

SALT—TRANSPORTATION

How Crimean salt was transported by oxcart drivers. Mykola Lystopad. Ukraina no. 13: 32 Ji '62.

SALT DEPOSITS see subdivision under Erivan region; Tajikistan; Yakutia

SALT DOMES see subdivision under Kara Kum

SALT INDUSTRY see subdivision under Moscow

SALTING-OUT

Problem of the salting-out effect. I. U. M. Kessler, I. U. M. Povarov, A. I. Gorbanev. Zhur. strukt. khim., 4 no. 1: 100-102 Ja-F '63.

SALTS

Analysis of mixes of salts and acids by the potentiometric method in nonaqueous solutions. A. P. Kreshkov, A. N. Iarovenko, I. A. Zel'manova. Zav. lab., 20 no. 3: 295-298 '63.

Distribution of microcomponents between solid and liquid phases in the systems NH₄Br - CuBr₂ - H₂O and NH₄Cl - CdCl₂ - H₂O in the presence of hydrogen ions. E. M. Ioffe. Radiokhimiia 5 no. 1: 136 '63.

State of water molecules in crystal hydrates containing salts of certain elements. S. N. Andreev, T. G. Balicheva. Dokl. AN SSSR 148 no. 1: 86-88 Ja '63.

SALTS—DRYING

Automation of the process of drying of salts in an apparatus with a fluidized bed. P. A. Kulie, L. V. Lopachenok. Khim.prom. no. 11:805-808 N '62.
Drying and dehydration of salts in a fluidized bed with the recycling of materials. A. A. Morilov and others. Khim.prom. no. 11:809-810 N '62.

SALTYKOV, MIKHAIL EVGRAFOVICH, 1828-1889

"Socioeconomic views of M. E. Saltykov-Shchedrin" by R. Levita. Reviewed by S. Makashin. Vop. lit. 6 no. 12:183-185 D '62.

SALVAGE

Refloating the marine diesel-electric motorship "Simferopol". B. Shan'ko. Mor. flot 23 no. 2:23-24 F '63.

SALVAGE (WASTE, ETC.)

Preventing the waste dumping of valuable raw materials. I. A. Romanov. Mest.prom. i khud.promys. 4 no. 2: 18-19 F '63.

SAMARA VALLEY—STONE AGE

Late paleolithic pendants of rostrated belemnite and Caspian shells from the Samara Valley. N. N. Karlov, S. K. Nakul'skii. Sov. arkheol. 7 no. 1:273-278 '63.

SAMARIUM CHLORIDE

Determination of vapor pressure of anhydrous solid chlorides of yttrium and samarium. A. S. Pashinkin and others. Zhur. neorg. khim. 7 no. 12:2811-2813 D '62.

SAMARIUM ISOTOPES

Levels of the Sm^{150} nucleus excited in the (n, γ) reaction. L. V. Groshov and others. Izv. AN SSSR. Ser. fiz. 27 no. 2:218-227 F '63.

SAMARKAND—CANNING INDUSTRY

Technological progress in the Samarkand Canning Plant. I. A. P. Lehtman. Kona. i ov. prom. 18 no. 1:9-11 Ja '63.

SAMARKAND—MEDICINE, INDUSTRIAL

In the health room of Samarkand weavers. V. Nikolaev. Okhr. truda i sots. strakh. 8 no. 2:27 F '63.

SAMARKAND—TERRA COTTAS

Mesheris, V. A. [Terra cottas in the Samarkand Museum; catalog of ancient statuettes and other miniature sculptures of baked clay in the Republic Museum of Uzbek Historical Culture and Art in Samarkand] Terrakoty Samarkandskogo muzeia; katalog drevnikh statuetok i drugikh molikh skul'pturnykh izdelii iz obozhzhennoi gliny, khramishchikhskia v Respublikanskom Muzei Istorii kul'tury i iskusstva UzSSR v gorode Samarkande. Leningrad, Izd-vo Gos. Ermitazha, 1962. 106 p. illus. [With summary in English]

SAMARKAND PROVINCE—INDUSTRIAL MANAGEMENT

How party organizations have struggled for technological progress. M. Miroshtichenko. Komm. Uz. 34 no. 12: 47-52 D '62.

SAMARKAND PROVINCE—LAMBS—DISEASES AND PRETS

Treatment of lambs infected with Bact. necrophorum. R. A. Akhmedzhanov. Trudy Uz. nauch.-issl. inst. vet. 14:91-95 '61.

SAMARKAND PROVINCE—STATE FARMS

Spring came to the desert. A. Begimkulov. Part. zhizn' [Uzb.] 6 no. 1:34-35 Ja '63.

SAMGORA REGION—FOREST INFLUENCES

Effect of mountain forests on the microclimate and its importance for the yield of farm crops [in Georgian with summary in Russian]. I. V. Beriashvili. Trudy Inst. lesa AN Gruz. SSR 11:77-90 '62.

SAMOILOV, IVAN IL'ICH, 1900-1958

I. I. Samoilov (1900-1958). Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz. no. 1:3-6 '60.

SAMOKHVALOVA, ALEKSANDRA DMITRIYVNA

Aleksandra Samokhvalova works well. IU. Strel'tsov. Kul't.-pros. rab 23 no. 12:24-25 D '62.

SAMOYLOVKA DISTRICT—STOCK AND STOCKBREEDING—FINANCE

Production of meat and milk is profitable. A. P. Balakirev. Uchet i fin. v kol'khoz. i sovkh. 20 no. 1:38-41 Ja '63.

SAND

(see also subdivision under Donetsk Province; Taidam Depression)

Measuring the dynamic compressibility of sand at high pressures. V. A. Lagunov, V. A. Stepanov. PMTF no. 1:88-98 Ja-F '63.

Obtaining insulating air-entrained silicate using barchan sand. K. L. Ovchinnik. Stroi. mat. 9 no. 2:23-24 F '63.

SAND, FOUNDRY

Pilot plant for core sand reclamation and the purification of recirculating water. V. M. Zhiltsov. Lit. proizv. no. 7:20-22 Ji '62.

Razumova, M. S. [Molding materials and mixtures]

Formovochnye materialy i smesi. Moskva, Mashgiz, 1962. 48 p. (Nauchno-populiarnaya biblioteka rabochego-litel'shchika, no. 3)

Use of quartz sands for the ramming of steel pouring ladles. IU. S. Krivchenko and others. Metallurg 8 no. 2:17-20 F '63.

SAND, FOUNDRY—ADDITIVES

Clay plasticity and its connection with the properties of molding mixtures. IU. D. Pozdnev. Lit. proizv. no. 7: 24-26 Ji '62.

SAND, FOUNDRY—THERMAL PROPERTIES

Thermophysical properties of molding materials under high temperature conditions. K. L. Sheptanov. Trudy MTIP 15:113-117 '60.

SAND AND GRAVEL INDUSTRY

Use of basic production funds in the industry of rock, gravel and sand for construction. B. M. Dygerna. Stroi. mat. 9 no. 2:4-6 F '63.

Vsesoiuznyi nauchno-issledovatel'skii institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii. [Production of rock, gravel and sand for construction; present state and prospects for development] Proizvodstvo nerudnykh stroitel'nykh materialov; sostoianie i perspektivy razvitiia. [By] A. A. Bardyshev i dr. Moskva, Gosstroizdat, 1962. 201 p.

SAND AND GRAVEL INDUSTRY—EQUIPMENT AND SUPPLIES

Mobile unit for processing sand and gravel mixtures. V. T. Mikhailov. Transp. stroi. 12 no. 9:38-39 S '62.

SAND AND GRAVEL PLANTS

Develop the extraction of rock, gravel and sand using hydraulic engineering machinery. N. Kholin. Na stroi. Ros. 3 no. 3:5-7 Mr '62.

SAND-LIME PRODUCTS

(see also subdivision under Volgograd)

Babushkin, V. I., and O. P. Medvedev-Petrosian, [Silicate water-resistant elements] Silikatnye vodostoiakie izdeliia. Kiev, Gosstroizdat, USSR, 1962. 98 p.

Experimental houses made without cement. L. Khavkin. Na stroi. Ros. 3 no. 3:21-24 Mr '62.

Large silicate elements for apartment houses. N. Vasil'ev. Na stroi. Ros. 3 no. 3:25-25 Mr '62.

Precast elements made of silicate concrete. V. Isidorov. Na stroi. Ros. 3 no. 3:19-21 Mr '62.

Protective coatings for air-entrained silicate slabs of exterior walls. A. S. Leikin, V. E. Pesol'nik. Stroi. mat. 9 no. 2:15-16 F '63.

SANDBARS see subdivision under Yana River

SANDPIPERS see subdivision under Okhotsk Sea region

SANITARY ENGINEERING

Put into practice the decisions of the November Plenum. Vod. i san. tekhn. no. 1:1-2 Ja '63.

Results achieved by the sanitary engineering industry in four years of the seven-year plan. A. A. Birlukov, N. A. Ignat'ev. Vod. i san. tekhn. no. 2:1-3 F '63.

SANITARY ENGINEERING—BIBLIOGRAPHY see Bibliography—Sanitary engineering

SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES

Creators of cleaning machines. A. Anatol'ev, Zhil.-kom. khoz. 12 no. 10:18-20 O '62.

In the Sanitary Engineering Research Institute of the Academy of Construction and Architecture of the U.S.S.R. Vod. i san. tekhn. no. 1:35-37 Ja '63. Semiautomatic press for molding parts of sanitary engineering equipment. M. A. Strukov. Stek. i ker. 20 no. 2:39-40 F '63.

SAPONIFICATION

Continuous method for the saponification of isobornyl formate. V. A. Vyrodov, S. I. Korotov. Izv. vys. ucheb. zav. i les. zhur. 5 no. 5:148-154 '62.

Saponification of terephthalonitril by an ammonia aqueous solution under pressure. I. A. Arkhipova, S. R. Rafikov, B. V. Suvorov. Zhur. ob. khim. 33 no. 2:837-841 F '63.

SAPONITE see subdivision under Siberia

SARATOV—ENAMELED WARE

Masters in enameling. IU. Grechanik. Mest. prom. i khud. promys. 3 no. 1:4-5 Ja '63.

SARATOV—HISTORICAL RESEARCH

Scholarly research at the Faculty of History of the N. G. Chernyshevskii University in Saratov. L. A. Derbov, I. S. Kashkin. Vop. ist. 38 no. 2:124-128 F '63.

SARATOV GOVERNMENT—FOLK SONGS

A. N. Pashalova's collection of songs from the Saratov Government. L. V. Domonovskii. Rus. fol'k. 7:343-353 '62.

SARATOV PROVINCE—AGRICULTURE—ECONOMIC ASPECTS

What lessons are derived from the work practice of the Rtishchevo Production Administration. Ekon. sel'khoz. 34 no. 2:14-24 F '63.

SARATOV PROVINCE—CHEMICAL PLANTS

Prefabrication methods in the construction of a synthetic alcohol plant. B. Il'ichev. Na stroi. Ros. 3 no. 3:15-16 Mr '62.

SARATOV PROVINCE—COLLECTIVE LABOR AGREEMENTS

For concrete and effective collective agreements. V. Kiselev. Okhr. truda i sots. strakh. 5 no. 12:6-7 D '62.

SARATOV PROVINCE—INDUSTRIAL HYGIENE

For concrete and effective collective agreements. V. Kiselev. Okhr. truda i sots. strakh. 5 no. 12:6-7 D '62.

SARATOV PROVINCE—INDUSTRIAL PLANTS

Introduce everything new and progressive. I. Pribytok. Na stroi. Ros. 3 no. 3:12-14 Mr '62.

SARATOV PROVINCE—MAPS—GEOLOGY

Using maps of seams in prospecting for oil and gas. V. A. Dolitskii, E. V. Kucheruk. Geol. nefii i gaza 7 no. 2:38-41 F '63.

SARCOLYSINE

State of proteinases in treatment with fluorometasarcocylsine. S. A. Papolan, I. G. Demirchoglian, S. G. Shukrian. Vop. rent. i onk. 6:175-178 '61.

SARDINES see subdivision under Atlantic Ocean

SAR'IAN, MARTIROs, 1880-

Kolpishnia, E. M. [M. Sar'ian's landscape paintings of Armenia] Peizazhi Armentii M. Sar'iana. Moskva, Akad. khudozh. SSSR, 1962. 16 p. illus. 23 plates. (MI)

SARY-SU VALLEY—GEOLOGY

Characteristics of the geological development of the territory of the Chu and Sary-Su Depression in the Middle and Upper Paleozoic. V. I. Dittmar. Dokl. AN SSSR 146 no. 2:406-408 Ja '63.

SARYKHANOV, NURMURAT, 1906-1944

Certain literary characteristics of N. Sarykhanov's stories. G. Kulieva. Trudy Inst. lit. AN Turk. SSR no. 5:18-35 '61.

SATELLITES, ARTIFICIAL see Artificial satellites

SATIRE

Belen, F. P., pseud. [Throw these people on the waste heap; satirical drawings. Verses by V. Russov] Porodu, na terrkon; satiricheskie risunki. Stikhi V. Russova. Stalingo, Knizhnoe izd-vo, 1961. 45 p. illus. (MI)

Brief account of ourselves. M. Semenov. Sov. pech. no. 8:80 Ag '62.

SATIRE—BIBLIOGRAPHY see Bibliography—Satire

SAUDI ARABIA—FOREIGN RELATIONS—UNITED STATES

Protection of the throne against the nation. A. Zhemchugov. Az. i Afr. seg. no. 3:58 Mr '63.

SAUDI ARABIA—PETROLEUM INDUSTRY

An "estate" of the petroleum octopus. A. Timoshkin. Az. i Afr. seg. no. 2:18-19, 23 F '63.

SAUDI ARABIA—POLITICS AND GOVERNMENT

Protection of the throne against the nation. A. Zhemchugov. Az. i Afr. seg. no. 3:58 Mr '63.

SAUREL see subdivision under Black Sea

SAVINGS BANKS—ACCOUNTING see subdivision under Moldova

SAVITSKII, GEORGH KONSTANTINOVICH, 1887-1949

G. K. Savitskii as sketch artist. E. Poltschuk. Iskustvo 25 no. 11:38-44 '62.

SAVVA, Monk, 1659-1725

Philosophical sources of the "Georgian dictionary" by Sukhan-Saba Orbeliani [in Georgian with summary in Russian]. G. Dedabrishvili. Trudy Inst. filol. AN Gruz. SSR 11:207-222 '62.

SAWDUST see Wood waste

SAWFLIES

Effect of Pontania proxima Lep. (Tenthredinidae) on the growth of leaf blades of Salix fragilis L., their photosynthesis, chlorophyll and carotenoid content; on the pathogenicity of gallflies. E. I. Stepan. Dokl. AN SSSR 147 no. 5:1234-1237 D '62.

SAWMILLS see subdivision under Leningrad Economic region

SAYAN MOUNTAINS—GEOLOGY

Siloev, A. I., and others. [Geology, igneous activity, and development of the Pre-Cambrian fold massifs in the northeastern part of the Eastern Sayan Mountains] Geologicheskoe stroenie, magmatizm i istoria razvitiia severo-vostochnoi chasti Vostochno-Saianskogo dokembriiskogo skladchatogo massiva. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr. 1962. 153 p. (Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia, Trudy, no. 8)

[MICROFILM]

SAYAN MOUNTAINS—JADE

Metasomatic zonality in one of the nephrite deposits of the Eastern Sayan. IU, N. Kolesnik. Dokl. AN SSSR 147 no. 6:1175-1178 D '62.

SAYAN MOUNTAINS—PYROXENITE

Concerning G. D. Kurochkin and A. M. Fedorov's article "Massifs of mineralized serpentinites and pyroxenites in spurs of the Manskoye Belogor'ye in the Eastern Sayans." IU, M. Kolleganov, G. N. Spiridonov, V. F. Khromik. Izv. AN SSSR, Ser. geol. 28 no. 2:106-108 F '63.

SAYAN MOUNTAINS—ROCKS, IGNEOUS

Smirnov, A. D., and V. V. Buldakov. Intrusive complexes in the Eastern Sayan Mountains. Intruzivnye komplekсы Vostochnogo Salana. Moskva, Izd-vo Akad. nauk SSSR, 1962. 120 p.

SAYAN MOUNTAINS—SERPENTINITES

Concerning G. D. Kurochkin and A. M. Fedorov's article "Massifs of mineralized serpentinites and pyroxenites in spurs of the Manskoye Belogor'ye in the Eastern Sayans." IU, M. Kolleganov, G. N. Spiridonov, V. F. Khromik. Izv. AN SSSR, Ser. geol. 28 no. 2:106-108 F '63.

SCAFFOLDING

Vsesoyuznyi Institut po proektirovaniyu organizatsii energeticheskogo stroitel'stva "Orgenergostroi." Moskovskii filial. [Album of drawing of stock equipment for the erection of structural elements] Al'bom chertezhei inventarnykh prispособlenii dlia vozvedeniia stroitel'nykh konstruktov. Moskva, Pt. 2. [Scaffolding, trestles, trench shoring] Lesa, podmosti, krepleniia transhei. Utverzhden resheniem tekhnicheskogo upravleniia No. 61 ot 19 marta 1960 g. 1962. 113 p.

SCAFFOLDING—SAFETY MEASURES

Kharchenko, P. N. [Accident prevention in the assembly, use, and disassembly of scaffolds and trestles] Tekhnika bezopasnosti pri montazhe, eksploatatsii i demontazhe lesov i podmostei. Pod obshche red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 23 p. (Biblioteka stroitel'na po tekhnike bezopasnosti, no. 12)

SCALES (FISHES)

Additional ring in the nuclear part of the scale of hump-back salmon (*Oncorhynchus gorbuscha* (Walb.)). R. I. Entolina. Vop. ikht. 2 no. 4:740-742 '62.

Characteristics of the structure of the scale cover in West African *Sardinella aurita* Val. V. L. Pechkurenkov. Vop. ikht. 3 no. 1:131-143 '63.

SCALES (WEIGHING INSTRUMENTS)

Electric tensometric scales for lorry cars. I. E. Den-schikov and others. Koks i khim. no. 2:61-63 '63. Matskevich, D. D. [Dynamometric electric scales with a summator] Dinamometricheskie elektrovyye s summatorom ustroistvom. Leningrad, 1962. 28 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, Omen peredovym opytom. Seriya: Energetika, no. 8)

SCANDIUM

Extraction method of isolation of carrier-free calcium-45 from fast neutron-irradiated scandium. V. I. Levin and others. Radiokhimiia 5 no. 1:37-41 '63.

Physicochemical properties of rare earth metals, scandium, and yttrium. E. M. Savitskii, V. F. Terekhova, O. P. Naumkin. Usp. fiz. nauk 70 no. 2:263-293 F '63.

Relation between the distribution of scandium and the type of rocks containing it. D. N. Ivanov, A. V. Faas. Dokl. AN SSSR 149 no. 1:176-178 Mr '63.

SCANDIUM—ANALYSIS

Determination of scandium in coal ashes after separation by paper chromatography. B. I. Kaplan, I. V. Olshevskaya. Zav. lab. 29 no. 1:26-27 '63.

SCANDIUM OXIDE

Ferrites in the system MgO—MnO—Fe₂O₃ with Sc₂O₃ addition. D. E. Bondarev, IU, V. Basikhin. Dokl. AN SSSR 148 no. 2:365-368 Ja '63.

SCARABAEIDAE see subdivision under Kirghizistan; Talas Ala-Tau

SCARLET FEVER

Analysis of the course of scarlet fever between 1924 and 1960 and the struggle for a smooth course of scarlet fever during the last decade. N. E. Kevorkova. Nauch. trudy Chetv. Mosk. gor. klin. bol'., no. 1:66-72 '61.

SCHIFF BASES

Complex formation of an uranyl ion with some Schiff bases. L. N. Pankratova, I. A. Savich, A. V. Lapitskii. Radiokhimiia 5 no. 1:114-118 '63.

SCHISTS see subdivision under Tarkhankut Peninsula

SCHIZOPHRENIA

Chlorpromazine treatment of schizophrenia patients with a functional change of the thyroid gland [with summary in English]. A. I. Belkin. Trudy Gos. nauch.-issl. inst. psikh. 35:118-132 '62.

Clinical characteristics of the course of depressive attacks in patients suffering from a circular form of schizophrenia when treated with tofranil-imizin [with summary in English]. M. S. Zeleva. Trudy Gos. nauch.-issl. inst. psikh. 35:220-229 '62.

Clinical characteristics of the course of periodic depressive delirium attacks in schizophrenia patients when treated with nozinan (levomepromazine) [with summary in English]. M. S. Zeleva. Trudy Gos. nauch.-issl. inst. psikh. 35:230-239 '62.

Course of schizophrenia with a verbal hallucination syndrome when treated with chlorpromazine [with summary in English]. O. P. Vertogradova. Trudy Gos. nauch.-issl. inst. psikh. 35:110-118 '62.

Delimitation of chronic reactive states from schizophrenia. A. K. Dobrzhenka. Prakt. sudobnopsikh. ekspert. no. 4:10-16 '61.

Determination and the principles of the use of psychotropic drugs in combination therapy for schizophrenia [with summary in English]. I. G. Ravkin. Trudy Gos. nauch.-issl. inst. psikh. 35:63-72 '62.

Effect of aminazine on the course of periodic (recurrent) schizophrenia [with summary in English]. V. A. Egorov. Trudy Gos. nauch.-issl. inst. psikh. 35:101-109 '62.

Natural of visual images in schizophrenics [in Georgian with summary in Russian]. A. E. Vachnadze. Trudy Inst. psikh. AN Gruz. SSR 13:191-215 '62.

Relation between the pathodynamic structures of disease and the selective properties of drugs [with summary in English]. A. S. Poznanekii. Trudy Gos. nauch.-issl. inst. psikh. 35:36-43 '62.

Some controversial problems of psychopharmacology [with summary in English]. G. K. Tarasov. Trudy Gos. nauch.-issl. inst. psikh. 35:44-52 '62.

Some differential diagnostic difficulties in isolating schizophrenia from epilepsy. G. N. Murav'eva. Prakt. sudobnopsikh. ekspert. no. 6:22-29 '62.

Some problems concerning the use of stelazine in clinical treatment of schizophrenia [with summary in English]. G. I. Avrutskii, I. A. Gurovich. Trudy Gos. nauch.-issl. inst. psikh. 35:199-209 '62.

Some unfavorable aspects of aminazine action on the symptoms and the course of schizophrenia [with summary in English]. G. I. Avrutskii. Trudy Gos. nauch.-issl. inst. psikh. 35:86-100 '62.

Treatment of schizophrenia patients by means of etaperazine [with summary in English]. G. M. Kurapova. Trudy Gos. nauch.-issl. inst. psikh. 35:158-164 '62.

Treatment of schizophrenia patients by means of stelazine; a clinico-electroencephalographic study [with summary in English]. O. P. Vertogradova and others. Trudy Gos. nauch.-issl. inst. psikh. 35:175-198 '62.

Use of etaperazine in treatment of periodic schizophrenia [with summary in English]. O. M. Kuznetsov. Trudy Gos. nauch.-issl. inst. psikh. 35:165-174 '62.

SCHOOL DISCIPLINE

The class adviser overcomes the loss of students. N. Erosh. Nar. obr. no. 2:77-78 F '63.

Difficult class. E. A. Alekandrova. Vech. sred. shkola 5 no. 5:41-42 S-O '62.

Difficult conversation. I. Artemenko. Prof.-tekhn. obr. 20 no. 1:24-25 Ja '63.

Following Makarenko's advice... I. P. Vinogradova. Vech. sred. shkola 5 no. 5:38-40 S-O '62.

SCHOOL EXCURSIONS

Comprehensive excursion to a repair and supply station with tenth grade students. V. M. Mazeev. Fiz. v shcole 22 no. 6:78-79 N-D '62.

"In the tracks of heroes" by G. U. Achmiz. Reviewed by N. A. Efimov. Prep. ist. v shcole 18 no. 1:107 Ja-F '63.

On a march. B. Nezhinskaya. Prof.-tekhn. obr. 20 no. 2:16-17 F '63.

Volkov, K. N. [When the work is real; from the practice of a tourist camp] Kogda dolo nastolashchee; iz opyta raboty turist'skogo lageria. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, XI Seriya: Pedagogika, no. 5)

SCHOOL HYGIENE

Let's guard our children's health. E. Konstantinovskii. Nar. obr. no. 2:83-84 F '63.

SCHOOL MANAGEMENT AND ORGANIZATION

How we plan the work of a boarding school. IA. Iushkovskii. Shkola-int. no. 6:53-57 N-D '62.

SCHOOL MUSIC

Beauty should be taught from childhood. N. Sukhodol'skaia. Nach. shkola 31 no. 1:48-52 Ja '63.

School opera. V. Chepurov. Nar. obr. no. 2:71 F '63.

SCHOOL REPORTS

Report of students' work training. V. I. Dvishkov. Shkola i proizv. 6 no. 9:36-37 S '62.

SCHOOL SUPERINTENDENTS AND PRINCIPALS see subdivision under Pyatolovo

SCHOOL SUPERVISION

All-Union conference of the directors of republic, territory, and province stations of young technicians. V. S. Barteneva. Shkola i proizv. 6 no. 9:81-82 S '62.

For the notebook of a principal and the head of the teaching department. Nar. obr. no. 2:32-33 F '63.

How to improve inspection. N. Matsko. Nar. obr. no. 2:9-11 F '63.

On the methods of control within a school. E. A. Arkhi-pova. Vech. sred. shkola 5 no. 5:74-76 S-O '62.

To check means to help. V. Mamontov. Prof.-tekhn. obr. 19 no. 1:120 N '62.

Work of the head of the teaching department on vocational training. A. I. Shterental'. Shkola i proizv. 7 no. 1:18-19 Ja '63.

SCHOOLCHILDREN see subdivision under Krasnoyarsk

SCHOOLHOUSES

Experimental construction of school buildings. Biml. stroi. tekhn. 20 no. 2:34-35 F '63.

New features in school construction. G. Verstin. Nar. obr. no. 2:12-14 F '63.

SCHOOLHOUSES—DESIGN AND CONSTRUCTION

(see also subdivision under Leningrad)

Large-panel schoolhouses. I. Saksel'tsev, A. Akushev. Arkhit. SSSR no. 2:32-37 '63.

SCHOOLS—FURNITURE, EQUIPMENT, ETC.

Ostapovskii, T. S. [Paper, cardboard, school stationery and office equipment and supplies; manual] Bumaga, karton, shkol'no-pl'smennyye i kantseliarskie tovary; spravochnik. Moskva, Gostorgizdat, 1962. 151 p.

SCHOOLS, MOHAMMEDAN see subdivision under Azerbaijan

SCHUNGITE see subdivision under Karelia

SCHWEITZER, ALBERT, 1875-

Konichev, K. I. [Those who were the fetters of slavery are being torn] Tam, gde ryut okovy rabtava. [Leningrad] Lenizdat, 1962. 109 p.

SCIATIC NERVE—BLOOD SUPPLY

Blood supply for the sciatic nerve system and its importance to the clinical aspect [in Georgian with summary in Russian]. A. Z. Mosidze. Trudy Tbil. GIDUV 6:255-261 '62.

SCIATIC NERVE—TRANSPLANTATION

Autotransplantation of the sciatic nerve [in Georgian with summary in Russian]. G. P. Bunchidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:200-202 '62.

SCIENCE—BIBLIOGRAPHY see Bibliography—Science

SCIENCE—CONGRESSES

Tenth International Congress on the History of Science. B. D. Petrov. Sov. zdrav. 22 no. 2:87-88 '63.

SCIENCE—PERIODICALS—INDEXES

Systematic table of contents of "Dopovid Akademi Nauk Ukraini" kol R. S. R. " for 1962 (24th year of issue). Dop. AN URSS no. 12:1641-1665 '62.

SCIENCE—PHILOSOPHY

Kedrov, B. M. [Subject matter and interrelation of the natural sciences] Predmet i vzaimosv'яз' estestvennykh nauk. Moskva, Izd-vo Akad. nauk SSSR, 1962. 409 p. (Dialekticheskii materializm i sovremennoe estestvoznaniie) [no. 1]

SCIENCE—PROBLEMS, EXERCISES, ETC.

More on problems with production content. P. A. Mikhlin. Vech. sred. shkola 5 no. 5:40-50 S-O '62.

SCIENCE—STUDY AND TEACHING

Let's bring the practical training of natural science students closer to the conditions of their future work. E. M. Kozhevnikov, K. N. Solov'eva. Vest. vys. shkoly 21 no. 2:19-24 F '63.

SCIENCE—YEARBOOKS

"Science and humanity." M. V. Keldysh, John Uernai. Sov. Soluz no. 3:20-21 '63.

SCIENCE AND COMMUNISM see Communism and science

SCIENCE NEWS

In the whole world. Znan.-sila 37 no. 12:13-15, 25 D '62.

Inventions, discoveries, hypotheses. Sov. Soluz no. 3:48 '63.

Inventions, discoveries, hypothesis. Sov. Soluz no. 9:23 '62.

News, events and facts. Priroda 52 no. 2:106-117 '63.

News of science and technology. Fiz. v shcole 22 no. 6:14-16 N-D '62.

SCIENTIFIC SOCIETIES see subdivision under Moscow

SCINTILLATION COUNTERS

Detection efficiency of a NaI (Tl) crystal for noncollimated γ -radiation. IU. S. Korda, G. F. Timoshovskii, V. V. Romaev. Atom. energ. 14 no. 3:319-320 Mr '63.

SCINTILLATION COUNTERS (Continued)

Vinogradov, A. F., and L. I. Chigarev. [Scintillation counter with type-B counting system] Staintillatsionnye schetchiki so schetnoi ustanovkoi tipa B. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41. No. P-58-23/1)

SCOLIDAE

Shteinberg, D. M. [Family Scolidae] Sem. skolli (Scolidae). Moskva, Izd-vo Akad. nauk SSSR, 1962. 185 p. (Fauna SSSR, no. 84. Nasekomye pereponchatokrylye, vol. 13)

SCORPION FLIES see subdivision under Kirghiz Range

SCOWS

The "Chernomorskaya-1" earth-transporting diesel scow. S. S. Vershinin. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:74-75 '63.

SCRAP METALS

Levin, M. I. [Equipment and design of shops for re-processing scrap metal] Oborudovanie i proektirovanie tsukhov po pererabotke loma. Khar'kov, Metallurgizdat, 1962. 210 p.

SCREEN PROCESS PRINTING—EQUIPMENT AND SUPPLIES

Machine for stenciling. S. F. Zolkin. Trudy NIIPoligraf-mesh no. 14:3-37 '61.

SCREW CUTTING

Effect of cutting speed and tap wear on torque. A. A. Grudov. Stan. i instr. 34 no. 1:38-39 Ja '63.
Seminskii, V. K. [Cutting thread on lathes] Narezanie rez'by na tokarnykh stankakh. Kiev, Gostekhtizdat USSR, 1962. 74 p. (Biblioteka tokaria)

SCREW THREADS—FATIGUE

Increasing the fatigue strength of threaded parts. I. V. Kudriavtsev, V. N. Chizhik. Vest. mashinostr. 43 no. 1:51-55 Ja '63.

SCREW THREADS—TESTING

Maksimovich, G. G., and R. I. Kriplakevich. [Automatic device for differentiated checking of threads] Avtomat dlia differentsirovannogo kontrolya rez'by. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-208/11)

SCREWDRIVERS

Tapered wrench holders. M. A. Rastorguev. Avi. prom. 29 no. 2:44 F '63.

SCROTUM—TUMORS

Deep lipoma of the scrotum. A. O. Tatarian. Vop. rent. i onk. 6:339-340 '61.

SCRUBBER (CHEMICAL TECHNOLOGY)

Technology of blast furnace gas purification and the design of scrubbers. A. I. Shniakin, V. N. Ermolaev. Stal' 23 no. 2:176-178 F '63.

SCULPTURE

Sak, L. N., and M. I. Gol'man. [Sculpture] Skul'ptura. 2., dop. vyd. Kiev, Dzerzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSSR, 1962. 35 p. (Biblioteka z pytan' mystetstva: Obrazotvorche mystetstvo)

SCYTHIANS

A Scythian genealogical legend. V. P. Petrov, M. L. Makarevich. Sov. arkhcol. 7 no. 1:20-31 '63.

SEA ICE see subdivision under Arctic regions; Greenland Sea

SEASHORE

Study of seashores. N. N. Mekhtiev, A. I. Khallov, N. Sh. Shirinov. Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i mefti no. 4:145-147 '62.

SEAWATER

Spatial distribution of the degree of natural light polarization in the sea. V. A. Timofeeva. Izv. AN SSSR, Ser. geofiz. no. 12:1843-1851 '62.

SEAWATER—COMPOSITION

Some unknown organic substances in seawater. K. M. Khallov. Dokl. AN SSSR 147 no. 5:1200-1203 D '62.

SEAWATER—SPECTRA

Signs of some phenomena in light spectra in the depths of the sea. V. V. Shuleikin. Izv. AN SSSR, Ser. geofiz. no. 10:1404-1415 O '62.

SEAWATER—TEMPERATURE see subdivision under Caspian Sea

SEAWATER—THERAPEUTIC USE

Seawater bath therapy of associated diseases in tuberculosis. A. V. Grablits'ev. Vrach. delo no. 1:146-147 Ja '63.

SEAWATER, DISTILLATION OF

Improvement of water softening on submarine boats. N. A. Astratov. Mor. sbor. 46 no. 2:70-73 F '63.

SECONDARY ELECTRON EMISSION

Correlation of the thermionic and secondary electron emissions from certain types of oxide cathodes in the activation process. N. Sharipov, A. Kh. Atukhanov. Izv. AN Uz. SSR, Ser. fiz. -mat. nauk 6 no. 6:66-70 '62.

Correlation between negative ion and electron components of secondary electron emission from NaCl films during bombardment by Na⁺, Rb⁺, and Cs⁺ ions. L. P. Moroz, A. Kh. Atukhanov. Radiotekh. i elektron. 8 no. 2:322-327 F '63.

Investigation of secondary electron emission during the bombardment of a Na film by Ne⁺ and Ar⁺ ions. D. A. Tashkhanova, R. R. Rakhimov, U. A. Arifov. Radiotekh. i elektron. 8 no. 2:294-298 F '63.

Secondary electron emission during bombardment of molybdenum by He, Ne, and Ar atoms and ions. U. A. Arifov, R. R. Rakhimov, Kh. Dzharakulov. Radiotekh. i elektron. 8 no. 2:299-302 F '63.

Secondary electron emission during the bombardment of tungsten by negative chlorine ions. U. A. Arifov, N. M. Khasimov. Radiotekh. i elektron. 8 no. 2:316-321 F '63.

Study of the potential electron emission with simultaneous determination of the work function of the metal. D. F. Arifova, R. R. Rakhimov. Izv. AN Uz. SSR, Ser. fiz. -mat. nauk 6 no. 6:71-74 '62.
Transient process of secondary electron emission during the bombardment of alien films on metals by fast neutral atoms. N. N. Filants, U. A. Arifov, A. Kh. Atukhanov. Radiotekh. i elektron. 8 no. 2:311-315 F '63.

SECONDARY RECOVERY OF OIL

Calculation of the distribution of temperatures and heat wave boundary in thermal oil recovery. A. A. Abbasov. Azerb. naft. khoz. 41 no. 11:23-26 N '62.

SECRET POLICE

Sharapov, I. P. [Hostile winds] Vkhri vrazhdebnye, Moskva, Gospolitizdat, 1962. 78 p. (Stranitsy istorii Sovetskoi Rodiny)

SECTS

(see also subdivision under Fastov; Tambov Province)
Contemporary religions and their role. Nauka i rel. 4 no. 1:76-82 Ja '63.

Facts reveal. Nauka i rel. 4 no. 1:32 Ja '63.

SECURINE

Study of alkaloids from Securinea suffruticosa (Pall.) Rehd. V. I. Muravleva, A. D. Kuzovkov. Zhur. ob. khim. 33 no. 2:693-694 F '63.

SEDIMENTARY ROCKS see Rocks, Sedimentary

SEED POTATOES

(see also subdivision under Armenia)

Eradication of diseases of seed potatoes in primary seed production nurseries. E. A. Osipova. Biul. nauch. -tekhn. inform. SZHNSKH no. 3:40-43 '58.

SEED PRODUCTION

(see also subdivision under Mikhaylovskaya Virgin Stope Preserve)

Effect of phosphorus fertilizers on the increase of seed yields of some perennial grasses under conditions of vertical zonality in the Kabardino-Balkar A. S. S. R. I. G. Butov. Uch. zap. Kab. -Balk. gos. un. no. 11:185-192 '61.

Harvesting alfalfa seed plants with a combine. M. S. Ganiev. Nauch. trudy UzNIIME no. 4:35-42 '59.

Importance of the size of pine cones and their opening for the germination of seeds and yield of seedlings [in Georgian with summary in Russian]. R. S. Gotsiridze. Trudy Inst. lessa AN Gruz. SSR 11:183-197 '62.

Methods for growing monospermous mother sugar beets. T. Tibir'kov. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:61-62 '62.

Yield of seeds from larch cones. V. N. Nikonchuk. Trudy Brian, tekhn. inst. 9:65-70 '60.

SEED PRODUCTION—BIBLIOGRAPHY see Bibliography—Seed production

SEEDS

Homemade visual aids for the topic "Seed and its germination." S. A. Kivolev. Biul. v shkole no. 5:38-41 S-O '62.

Independent work of students during the study of seeds. I. U. S. Boreisho. Biul. v shkole no. 5:16-21 S-O '62.

Materials for studying the biological properties of oriental beech seeds [in Georgian with summary in Russian]. A. D. Pantakhava. Trudy Inst. lessa AN Gruz. SSR 11:189-200 '62.

Treating monospermous sugar beet seeds with solutions of various fertilizers before sowing. R. Selezneva. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:67-68 '62.

SEEDS—ANATOMY

Development and importance of the aril in spindle tree seeds. P. V. Sapankevich. Trudy Brian, tekhn. inst. 9:281-284 '60.

SEEDS—CLEANING

Bushuev, N. M. [Seed-cleaning machines; theory, design, and calculations] Semeochistitel'nye mashiny; teoriya, konstruktivnaya i raschet. Moskva, Mashgiz, 1962. 238 p. 238 p.

SEEPAGE

Determining the loss of water through filtration from irrigation canals by using a hydraulic integrator. M. G. Kataigova. V. N. Korenev. Gidr. i mel. 14 no. 1:22-30 Ja '63.

SEISMIC PROSPECTING

(see also subdivision under Kobystan; Ural Mountain region; Ural Mountains)

Determination of the thickness of the surficial layer of disintegrated rocks by means of field seismic prospecting. V. N. Nikitin. Izv. AN SSSR, Ser. geofiz. no. 12:1717-1728 '62.

Silvaeva, O. I. [Using ultrasound in studying the propagation of elastic wave velocities and elastic parameters in rock samples at unilateral pressure] Issledovaniya s pomoshch'yu ul'trazvuka skorosti rasprostraneniya uprugikh voln i uprugikh parametrov v obraztsakh gornykh porod pri odnosloronnom davlenii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 110 p. (Akademika nauk SSSR. Institut fiziki Zemli. Trudy, no. 27)

SEISMIC PROSPECTING—GRAPHIC METHODS

Graphic analytical method of solving apical problems in seismic prospecting by the reflection method. I. U. A. Vasil'ev. Izv. AN SSSR, Ser. geofiz. no. 1:58-67 Ja '63.

SEISMIC WAVES

Attenuation of surface waves in low-loss media. V. A. Kalinin, V. P. Tubitsyn. Izv. AN SSSR, Ser. geofiz. no. 12:1786-1794 '62.

[Dynamic characteristics of seismic waves in real media] Dinamicheskie kharakteristiki seismicheskikh voln v real'nykh sredakh. [By] I. S. Berzon i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 511 p.

Effect of a thin layer on the field of a reflected wave. P. V. Krauklis. Izv. AN SSSR, Ser. geofiz. no. 1:68-75 Ja '63.

A method for determining mean velocities from the differences in the arrival time of reflected and refracted waves recorded after the initial point. G. I. A. Murasidze, V. K. Chichinadze. Izv. AN SSSR, Ser. geofiz. no. 12:1795-1798 '62.

Nature of the Mohorovicic discontinuity. S. M. Stishov. Izv. AN SSSR, Ser. geofiz. no. 1:42-48 Ja '63.

Propagation of interference SH waves in an elastic spherical layer. Part 1. V. S. Buldyrev, Z. A. Lanson. Izv. AN SSSR, Ser. geofiz. no. 12:1764-1771 '62.

Propagation of interference SH waves in an elastic spherical layer. Pt. 2. V. S. Buldyrev, Z. A. Lanson. Izv. AN SSSR, Ser. geofiz. no. 1:78-80 Ja '63.

Propagation of surface waves in loose rocks. A. L. Levshin. Izv. AN SSSR, Ser. geofiz. no. 12:1749-1763 '62.

Ratio between the decrements of attenuation and the velocity of the propagation of longitudinal and transverse waves. I. U. I. Vasil'ev, G. I. Gurevich. Izv. AN SSSR, Ser. geofiz. no. 12:1695-1716 '62.

SEISMOLOGY

(see also subdivision under Kamcharka; Siberia, Eastern; Soviet Central Asia; Transcarpathia)

B. B. Golitsyn and some problems in present-day seismology. E. F. Savarenski. Izv. AN SSSR, Ser. geofiz. no. 1:3-19 Ja '63.

Basic features of the structure of the earth's crust under the Sea of Okhotsk and the Kurile-Kamcharka zone of the Pacific Ocean, based on deep seismic sounding data; results of the IGY. I. P. Kosminskaya and others. Izv. AN SSSR, Ser. geofiz. no. 1:20-41 Ja '63.

SEISMOLOGY—CONGRESSES

Scientific session on problems of seismology. E. F. Savarenski. Vest. AN SSSR 33 no. 2:116-119 F '63.

SEISMOLOGY—OBSERVATIONS see subdivision under Pyatigorsk

SELENGA VALLEY, MONGOLIA—AGRICULTURE, COOPERATIVE

At the Khyalganattinsky ford. M. Cholzhil. Sovr. Mong. 7 no. 9:15-17 S '62.

SELENIUM—ANALYSIS

Colorimetric determination of selenium and tellurium in sulfide ores. Report No. 2. V. M. Tarain, Zh. M. Arstamian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:415-421 '62.

Spectrochemical method for the determination of impurities in selenium [with summary in English]. V. L. Ginzburg, N. P. Glukhovetskaia, N. N. Danilova, Zhur. anal. khim. 17 no. 9:1096-1100 D '62.

2-Mercaptobenzimidazole as a reagent for selenium [with summary in English]. A. I. Busev, Khoang Min'-tiau [Hoang Minh Chau] Zhur. anal. khim. 17 no. 9:1091-1095 D '62.

SELENIUM-ARSENIC ALLOYS see Arsenic-selenium alloys

- SELENOPHENE**
Chemistry of selenophene. Part 43: Reaction of 2-chloromethyl- and 2,5-dimethyl-3-chloromethylselenophene with potassium cyanide. IU. K. Iur'ev, M. A. Gal'bershtam, Zhur.ob.khim, 33 no. 2:462-466 F '63.
- SELF-GOVERNMENT** see Democracy
- SEMASHKO, ZINAIDA ALEKSANDROVNA, d. 1961**
In memory of Zinaida Aleksandrovna Semashko; obituary. Biol. v shkole no. 5:96 S-O '62.
- SEMEN**
Production of sperm by the Pacific salmon *Oncorhynchus*. A. I. Smirnov. Vop. ikht. 3 no. 1:84-88 '63.
- SEMEN—PRESERVATION**
(see also subdivision under White Russia)
Freezing semen in a lactose-yolk diluent with two per cent glycerol; preliminary report. E. M. Piatov, S. M. Rombe, Zhivotnovodstvo 23 no. 8:84 Ag '61.
- SEMICARBAZONES**
Using faracillin in artificial insemination. I. F. Zaienchkovskii, Zhivotnovodstvo 23 no. 5:87-88 My '61.
- SEMICONDUCTORS**
Akademiia nauk SSSR, Institut kristallografii. [Stresses and dislocations in semiconductors] *Napriazheniia i dislokatsii v poluprovodnikakh; sbornik statei*. Pod red. M. V. Klassen-Nikludovoi. Moskva, 1962. 60 p.
Ansel'm, A. I. [Introduction to the theory of semiconductors] *Vvedenie v teoriu poluprovodnikov*. Moskva, Fizmatgiz, 1962. 418 p.
Contribution to the theory of external photoelectric effect in semiconductors with a high work function of photoelectrons. Z. I. Uritskii. Izv. vyz. ucheb. zav.; radiofiz. 5 no. 6:1243-1245 '62.
Electric conductance mechanism in organic semiconductor polymers. A. V. Airapetians and others. Dokl. AN SSSR 148 no. 3:605-608 Ja '63.
Semiconductor neutralization of static electricity. V. M. Orlov, N. I. Komiak. Poligr. proizv. no. 11:17-18 N '62.
Theory of the photoeffect and the photomagnetic effect in thin semiconductor layers. I. Iminov, M. Azizov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 6:87-91 '62.
X-ray diffraction study of ordering processes in three-component semiconductor compounds [with summary in English]. L. S. Palatnik and others. Ukr. fiz. zhur. 8 no. 2:263-268 F '63.
- SEMPALATINSK—CEMENT INDUSTRIES**
Volunteer bureau chairman relates. Nar. khoz. Kazakh. 20 no. 11:78 N '62.
- SEMPALATINSK PROVINCE—BUILDING MATERIALS INDUSTRY**
Lack of coordination and miscalculations. K. Sadykov. Nar. khoz. Kazakh. 20 no. 12:31 D '62.
- SEMPALATINSK PROVINCE—CONJUNCTIVITIS, GRANULAR**
Organization of trachoma control in Semipalatinsk Province. N. A. Rogova, M. G. Kakhrova. Zdrav. Kazakh. 22 no. 11:3-6 '62.
- SEMPALATINSK PROVINCE—DELIVERY OF GOODS**
Lack of coordination and miscalculations. K. Sadykov. Nar. khoz. Kazakh. 20 no. 12:31 D '62.
- SEMPRECH'YE—REVOLUTION, 1917-1921**
Materials on the history of Soviet Dzungaria. IU, IUspov. Izv. AN Kir. SSR, Ser. obshchestv. nauk 2 no. 2:91-110 '60.
- SENCHENKO, IVAN IUKHUMOVYCH, 1901-**
What do you know about Solomianska? Vitalii Donchik. V mire knig 2 no. 10:28 O '62.
- SENSE ORGANS**
"Problems of the comparative physiology of analyzers," no. 1. Reviewed by B. V. Pavlov. Vest. LGU 18 no. 3: 154-155 '63.
- SENSE ORGANS—FISHES**
Ability of some Black Sea fishes to orient themselves to the source of sound. IU. D. Podlipalin. Vop. ikht. 2 no. 4:721-724 '62.
Cytohistochemical study of the taste bulbs in Teleostei (*Cyprinus carpio* and *Carassius carassius*). R. A. Pevzner. Dokl. AN SSSR 147 no. 5:1187-1190 D '62.
Receptors of the chemical sense in the bream (*Abramis brama* (L.)). N. V. Bodrova. Vop. ikht. 2 no. 4:693-702 '62.
- SENSES AND SENSATION**
Problems of perception and the physiological "attunement" of sense organs [with summary in English, p. 184]. P. G. Sniakin, A. I. Esakov. Vop. filoz. 17 no. 2:61-69 '63.
- SEPARATORS (MACHINES)**
Dressing fine aggregates in a hydroseparator. I. P. Stabin, V. G. Shirman. Stroil. mat. 9 no. 2:10-13 F '63.
- SEPARATORS (MACHINES)—MAINTENANCE AND REPAIR**
Replacing parts of a multicyclone during the operation of a sintering machine. D. P. Pritykin, R. S. Bershtein. Stal' 23 no. 2:115-116 F '63.
- SEPULCHRAL MONUMENTS** see subdivision under Azerbaijan; Moscow
- SEQUENCES (MATHEMATICS)**
On the predicate of differentiability and the operator of differentiation in constructive mathematical analysis. G. E. Mints. Dokl. AN SSSR 147 no. 5:1032-1034 D '62.
- SERAFIMOVICH, A. pseud.** see Popov, Aleksandr Serafimovich, 1863-1949
- SEROTONIN**
Effect of serotonin on cardiac and pulmonary mechanoreceptors [with summary in English]. A. P. Gilev. Vest. AMN SSR 18 no. 1:47-52 '63.
- SERDOBSK DISTRICT—BRICKMAKING**
How brick is fired on the "Bol'shevik" State Farm. S. Pylykin. Sel'. stroil. 15 no. 3:21-22 Mr '60.
- SERFDOM**
(see also subdivision under Lithuania)
Folklore and folklore studies during the years of the revolutionary activities in Russia, 1850-1861. V. G. Bazanov. Rus. fol'k. 7:189-216 '62.
Manorial directions of the middle 18th century as a source of the history of the economy based on serfdom. N. I. Burakovskaya. Trudy MGAI 16:371-388 '61.
- SERGEV, ALEKSANDR GEORGEVICH, 1913-**
On the occasion of the fiftieth birthday of A. G. Sergeev. Masl. zhur. prom. 29 no. 1:47 Ja '63.
- SERICULTURE—EQUIPMENT AND SUPPLIES**
Practices in using the ECH-1 conditioner in feeding silkworms. M. V. Besednov, A. A. Murintsev. Nauch. trudy UzNIME no. 4:55-59 '59.
- SERIES**
Correspondence between Laguerre's and Heviside's expansions. S. V. Samsonenko, A. F. Romanenko. Radiotekhn. i elektron. 8 no. 2:206-210 F '63.
Concharov polynomials and the problems concerning the representation of an analytic function by a series of primitives of a certain function [with summary in English]. Vest. Mosk. un. Ser. 1:Mat., mekh. no. 6 N-D '62.
On absolute convergence of a power series with two variables. V. A. Beliaev. Dokl. AN SSSR 148 no. 1: 13-15 Ja '63.
Power series and trigonometric series with monotone coefficients. S. B. Stechkin. Usp. mat. nauk 18 no. 1: 173-180 Ja-F '63.
- SERINE**
Synthesis of substituted diiseryl pyrophosphates. S. M. Avseva, M. M. Botvinik, I. F. Syromiatnikova. Zhur. ob. khim. 33 no. 2:709-710 F '63.
- SEROUS MEMBRANES—CANCER**
Cytological study of exudates in malignant neoplasms of serous membranes. G. A. Arzumaniyan, A. E. Agnababian. Vop. rent. i onk. 6:287-293 '61.
- SERPENTINITES** see subdivision under Sayan Mountains
- SERUM**
Antimicrobial properties of normal human and animal sera; report no. 4 [with summary in English]. N. V. Vasil'ev. Trudy TomNIIVS 11:172-176 '60.
Changes in the organs of horses used for the production of serum against tick-borne encephalitis [with summary in English]. A. M. Khlopkov and others. Trudy TomNIIVS 11:311-318 '60.
Data on the preparation of antiencephalitis serum [with summary in English]. E. N. Rodukova. Trudy TomNIIVS 11:232-237 '60.
Data on the preparation of type-specific adsorbed histeriosis sera [with summary in English]. L. A. Burenkova. Trudy TomNIIVS 11:280-283 '60.
Effect of different conservants, time, and storage conditions on the quality of histeriosis agglutinating serum [with summary in English]. L. A. Burenkova. Trudy TomNIIVS 11:275-279 '60.
Experience in the production of antimeasles horse sera and gamma globulin. E. S. Shikina and others. Trudy Len. inst. epid. i mikrobiol. 22:55-63 '61.
Immunobiochemical parallels in the process of preparing some agglutinating serum [with summary in English]. O. A. Vasil'eva. Trudy TomNIIVS 11:266-269 '60.
Increasing multiparity in sheep by treating them with pregnant mare's serum in combination with prolactin. A. L. Paducheva, V. A. Petrov. Zhivotnovodstvo 23 no. 5:40-41 My '61.
Methods of preparing histeriosis agglutinating serum [with summary in English]. L. A. Burenkova. Trudy TomNIIVS 11:270-274 '60.
- Possibility of using white rats for determining the quality of bacterial preparations [with summary in English]. B. G. Trukhmanov, E. I. Kleitman, L. A. Bgorashina. Trudy TomNIIVS 11:292-298 '60.
Preparing and testing hyperimmune serum in infectious pleuropneumonia of goats. F. D. Lukashenko. Trudy Uz. nauch.-issl. inst. vet. 14:27-32 '61.
Repeated immunization of rabbits in the production of standard, Flexner's dysenteric agglutinating sera [with summary in English]. N. O. Sukhova. Trudy TomNIIVS 11:168-171 '60.
Role of merthiolate antigen in the preparation of agglutinating sera [with summary in English]. O. A. Vasil'eva. Trudy TomNIIVS 11:288-291 '60.
Accelerated method of preparing adsorbed agglutinating dysentery sera [with summary in English]. E. S. Naumova. Trudy TomNIIVS 11:284-287 '60.
Study of some causes of the pyrogenicity of sera concentrated by the "Diaform 3" method and the possibilities of its elimination [with summary in English]. S. M. Pregor, A. P. Dutova, N. G. Turilantseva. Trudy TomNIIVS 11:243-249 '60.
Titration of antimeasles antibodies in donor sera and gamma globulin. L. M. Boichuk, E. S. Shikina, N. A. Pisareva. Trudy Len. inst. epid. i mikrobiol. 22:64-73 '61.
Using encephalitis vaccine as an antigen in the production of an antiencephalitis serum [with summary in English]. B. G. Trukhmanov, E. N. Rodukova. Trudy TomNIIVS 11:238-242 '60.
- SERUM—DRYING**
Drying immune sera by the method of dispersion. E. E. Nikitin. Veterinariia 37 no. 11:52-54 N '60.
- SERUM DIAGNOSIS**
Fluorescent sera and their use in microbiology. O. A. Pollakova. Trudy VIEV 26:62-74 '62.
- SERUM THERAPY**
Possibility of sensitizing human beings with an anti-influenza serum through its introduction into the upper respiratory tract. L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 17:118-128 '58.
Prophylactic and therapeutic action of anti-influenza serum in an experiment on white mice. L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 19:34-47 '59.
Prophylactic and therapeutic action of anti-influenza serum on models from the vaccinal infection of people inoculated with a live anti-influenza vaccine. L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 19: 54-66 '59.
Study of the sensitizing properties of a serum against influenza in an experiment on animals. L. M. Boichuk. Trudy Len. inst. epid. i mikrobiol. 17:103-117 '58.
- SERVETUS, MICHAEL, 1509 or 1511-1553**
The 450th anniversary of the birth of Michael Servetus. M. N. Pototskii. Sov. zdrav. 22 no. 2:61-67 '63.
- SERVICE INDUSTRIES**
(see also subdivision under Azerbaijan; Donetsk Province; Khabarovsk Territory; Kiev; Leningrad; Maritime Territory; Moscow; Murmansk; Pyatigorsk; Rostov-on-Don; Sochi; Stavropol' Province; Tselinograd; Ulyanovsk; White Russia)
The decisions are made by the Institute... Mest. prom. i khud. promys. 3 no. 12:4-5 D '62.
The honorable duty of service industries. Mest. prom. i khud. promys. 3 no. 12:1 D '62.
Is this "haggling"? IU. Grechanik. Mest. prom. i khud. promys. 3 no. 12:14-15 D '62.
A new year of labor. Mest. prom. i khud. promys. 3 no. 1:1 Ja '63.
Quality, economy, culture. L. Kaminskii and others. Mest. prom. i khud. promys. 4 no. 2:2-6 F '63.
- SERVICE INDUSTRIES—FINANCE** see subdivision under Rostov-on-Don
- SERVOMECHANISMS**
Aven, O. I., and others. [Contactless executive mechanism with increased sensitivity and a three-phase motor] *Beskontaknyi ispolnitel'nyi mekhanizm povyshonnoi chuvstvitel'nosti s trokhfaznym dvigatelem*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 36 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, No. P-57-4/3)
Construction of n-dimensional servomechanisms using reversible models [with summary in English]. G. E. Pukhov, K. D. Zhuk. Dop. AN URSSR no. 12:1565-1568 '62.
Demonstrating synchronous transmissions. V. N. Lobov. Fiz. v shkole 22 no. 6:60-61 N-D '62.
Manual duplicators for diaphragm servomechanisms. G. G. Mirzabekov, M. S. Slobodkin. Mekh. i avtom. proizv. 17 no. 2:32-34 F '63.
- SESQUITERPENES**
New sesquiterpene from essential oil of *Artemisia taurica* Willd. G. V. Pigulevskii, V. I. Kovaleva. Zhur. ob. khim. 33 no. 2:705-706 F '63.

SEUTIN, LOUIS JOSEPH, 1783-1862

Louis Joseph Seutin and Russian surgery. N. A. Oborin. Klin. khir. no. 12:73-77 D '62.

SEVAN LAKE REGION—APPLE

Dynamics of the growth of apple roots and shoots in the Sevan basin [in Armenian with summary in Russian]. A. A. Simonian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:37-40 '62.

SEVAN LAKE REGION—WINDS

Breezes in the Sevan basin and some results of calculating them on the basis of the actual temperature distribution in the underlying surface. A. M. Mikhitarian. Izv. AN Arm. SSR, Ser. tekhn. nauk 15 no. 6:13-31 '62.

SEVASTOPOL—WATER—DISTRIBUTION

Outstanding workers in the construction of communism. M. Rachevskaya, V. Semenov. Zhil. -kom. khoz. 12 no. 3:12-13 Ag '62.

SEVENTH-DAY ADVENTISTS

(see also subdivision under Amvrosiyevka District)
What are the roots of your religious beliefs? V. Lentin. Voiv. etefst 3 no. 2:26-30 F '63.
Who are the Adventists? V. Lentin. Polit. samobor. 7 no. 1:72-74 Ja '63.

SEVERO-ZADONSK—COMMUNIST YOUTH LEAGUE

Committee of voluntary workers. M. Snegireva, V. Maksimova. Komsom. zhizn' 1 no. 1:28-30 Ja '62.

SEVERSKIY—METALLURGICAL RESEARCH

Research at the Severskiy Metallurgical Plant, I. P. Kovyryalov, O. V. Tanyayev. Stal' 23 no. 2:132, 169-170 F '63.

SEVIN—TOXICOLOGY

Some data on the toxicity of sevin. IU, A. Moreinis, I. M. Estrin. Vrach. delo no. 1:100-104 Ja '63.

SEWAGE—ANALYSIS

Determination of small quantities of aromatic hydrocarbons in waste waters. IU, IU, Lur'e, V. A. Panova. Zav. lab. 20 no. 3:203-205 '63.
Determination of turpentine in waste waters. IU, IU, Lur'e, V. A. Panova. Zav. lab. 20 no. 1:33-35 '63.

SEWAGE—PURIFICATION

Application of weak acid cation exchangers for the removal of zinc from waste waters of viscose fiber plants. V. M. Barboi, L. F. Chuprina, A. V. Iudin. Khim. volok. no. 1:50-53 '63.
Automation of the pumping unit for delivering a solution of the coagulant. V. Shamonov. Zhil. -kom. khoz. 12 no. 10:30 O '62.
Circulatory oxidizing channels for purification of sewage [with summary in English, p. 70]. S. K. Kolobanov. Visnyk ABIA URSR no. 3:41-47 '62.

Effectiveness of a thermal unit in disinfecting waste water contaminated with Brucella. N. V. Sofronov. Trudy Uz. nauch. -issl. inst. vet. 14:81-83 '61.

Konferentsiya po ochistke fenol'nykh stochnykh vod. Moscow, 1960. [Purification of industrial sewage] Ochkistka promyshlennnykh stochnykh vod; trudy sovmestnoi konferentsii Instituta Vodogo ASIA SSSR i Instituta vodnogo khoziaistva Ministerstva zemledeliia, lesnogo i vodnogo khoziaistva ChSSR. Moskva, Gosstroiizdat, 1962, 448 p. (Kanalizatsiia)

Leningrad. Inzhenerno-stroitel'nyi institut. Nauchnaia konferentsiia. [Water supply and sewerage; reports of the 20th Scientific Conference] Vodozabzhenie i kanalizatsiia; doklady XX nauchnoi konferentsii. Leningrad, 1962. 96 p.

Problem of the removal of suspended materials from industrial waste waters at factories manufacturing artificial fibers. L. A. Stempkovskaya, L. E. Botvinova, I. N. Gera. Khim. volok. no. 3:39-43 '62.

Purification of sewage waters from hydrolysis plants under industrial conditions. E. E. Drublanets. [Trudy] NTO bum. i der. prom. no. 8:221-231 '60.

Purification of sewage waters in wood chemicals enterprises. V. P. Sumarokov, V. V. Terent'eva. [Trudy] NTO bum. i der. prom. no. 8:276-298 '60.

Shops for the purification of sewage in the Archangel Combine. S. P. Sivokhin. Bum. prom. 38 no. 2:28 F '63.

SEWAGE DISPOSAL

Chorkinskii, S. N. [Sanitary specifications for the discharge of sewage into bodies of water] Sanitarnye uslovia spуска stochnykh vod v yudoemy. 3., perer. i dop. izd. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 236 p.

SEWERAGE

Bulava, M. N., and M. D. Danilenko. [Principles of water-supply and sewerage construction] Osnovy vodoprovodno-kanalizatsionnogo stroitel'stva. Kiev, Gosstroizdat USSR, 1962. 171 p.

SEX—CAUSE AND DETERMINATION

Sex differences in pike (Esox lucius L.). I. P. Demchenko. Vop. ikht. 3 no. 1:100-103 '63.

SEX HORMONES see Hormones, Sex**SHABANOV, ANATOLI FEDOROVICH, 1928-**

Meeting a good man. E. Tufanov. Kul't. -pros. rab 23 no. 12:26-27 D '62.

SHAFT SINKING

Sedov, B. Ia., A. T. Nikolaenko, and G. I. Iuditskii. [Drilling rigs for sinking shafts and boreholes] Burovye ustanovki dlia prokhodki stvotov i skvazhin; spravochnik. Moskva, Gosgortekhzdat, 1962, 363 p.

Sudden rock caving during the sinking of a mine shaft. A. M. Sointsev. Bezop. truda v prom. 7 no. 1:9-11 Ja '63.

SHAFTING

Iukhvid, M. E., and others. [Highly efficient methods of sinking shafts] Vysokoproduktivnye metody obrazovaniia shlitsev na valakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-00/18)

Stability of the motion of a shaft carrying a sheave. IU, V. Osetinskii. Izv. AN SSSR, Otd. tekhn. nauk. Mekh. i mashinostr. no. 1:12-17 Ja-F '63.

SHAKESPEARE, WILLIAM, 1564-1616

Shakespeare on the Soviet stage. G. Puzis. V mire knig 2 no. 8:38 Ag '62.

SHAKHRISABZ REGION—AGRICULTURAL ADMINISTRATION

New forms of agricultural administration show their effectiveness and strength. B. Isomtin, F. Radzhabov. Komm. Uz. 34 no. 12:53-56 D '62.

SHAMANISM see subdivision under Buryat A. S. S. R.**SHAMOV, VLADIMIR NIKOLAEVICH, 1882-**

Services of V. N. Shamov, Active Member of the Academy of Medical Sciences of the U. S. S. R., in the development of Soviet surgery. G. G. Karavanov. Klin. khir. no. 12:3-8 D '62.

SHAMSHURENKOV, LEONTII LUK'IANOVICH, 1867-1758

Gagarin, E. I. Leontii Luk'ianovich Shamsurenkov, 1867-1758. Moskva, Izd-vo Akad. nauk SSSR, 1963. 86 p. (Nauchno-bibliograficheskaiia serlia)

SHARKOVSHCHINA DISTRICT—ARTIFICIAL INSEMINATION

Work practices at an intercollective farm station for artificial insemination of animals. G. M. Tkachenko. Veterinarlia 37 no. 7:29-30 Ji '60.

SHAROV, ALEKSANDR, 1909-

"I am from this street" by A. Sharov. Reviewed by L. Razgon. Nar. obr. no. 2:119-121 F '63.

SHAR'YA DISTRICT—HOSPITALS—ADMINISTRATION

Organizational and methodological work at the Shar'ya District Hospital. A. D. Titulandin. Zdrav. Ros. Feder. 7 no. 1:20-22 Ja '63.

SHAR'YA DISTRICT—SPRUCE

Growth of young spruce under the forest canopy of hardwood species. A. V. Afanas'ev. Izv. vya. ucheb. zav. i tes. zhur. 5 no. 5:34-36 '62.

SHASHKEVYCH, MARKILAN, 1811-1843

Marunchak, M. H. [Markilian Shashkevych and his times] Markilan Shashkevich na tli doby; v 150-letia z dnai narozhdeniia Prokuditolia Zakhidnoi Ukrainy vraz z pidsumkami tsykh rokoyv v Ukraini i na emigratsii. Winnipeg, Zahal'na biblioteka "UKT," 1962. 95 p. (With summary in English)

SHAVERDIAN, ARAM SERGEVICH, 1891-

Aram Sergeevich Shaverdian (Shaverdov); on his 70th birthday, 45th anniversary of his medical and civic and 40th anniversary of his scientific activities. Vop. rent. i onk. 6:345-353 '61.

SHCHERBAKOV, DMITRI IVANOVICH, 1833-

Dmitrii Ivanovich Shcherbakov, a geographer; on his 70th birthday. E. M. Murzaev. Izv. AN SSSR. Ser. geog. no. 1:3-7 Ja-F '63.

SHCHEGLIAEV, ANDREI VLADIMIROVICH, 1902-

Andrei Vladimirovich Shchegliaev; on his 60th birthday. Elek. sta. 33 no. 12:89 D '62.

SHEARS (MACHINE TOOLS)

Computing device for measured cutting of billets on shears of roughing mills. IU, A. Bortsov and others. Prom. energ. 18 no. 2:10-16 F '63.

SHEBEKINO—ACIDS, FATTY

Simultaneous oxidation of residual oils with paraffin and unsaponifiables. V. I. Babayev, I. E. Rusinov. Khim. i tekhn. topl. i masel 8 no. 1:24-27 Ja '63.

SHEBELINKA—CONDENSATE OIL WELLS

Pyrolysis with water vapor of the gas condensate of the Shebelinka field. V. I. Dal', L. S. Rastina, V. M. Nabivach. Khim. i tekhn. topl. i masel 8 no. 1:31-34 Ja '63.

SHEEP

(see also subdivision under Caucasus, Northern; Russia, Northwestern)

Barbamil necrosis for lambs and sheep. Z. A. Agapova. Veterinarlia 37 no. 11:66 N '60.

Controlling sterility in sheep. A. I. Lopyrin. Zhivotnovodstvo 23 no. 6:17-24 Je '61.

Dual-purpose sheep raising on the "Vorob'yevskiy" State Farm in Voronezh Province. L. Tsyboronko. Sbor. stud. nauch. -issl. rab. VSKII 1 no. 1:247-250 '62.

Panin, A. I. [Sheep raising] Ovlsevodstvo. Moskva, Sel'khozizdat, 1962. 282 p. (Uchebniki i uchebnye posobiia dlia sel'skokhoziaistvennykh tekhnikumov) (DNAL)

Wool and mutton yields of the Ostrogzhsk sheep strain. E. Trufanova. Sbor. stud. nauch. -issl. rab. VSKII 1 no. 1:231-232 '62.

SHEEP—DISEASES AND PESTS

(see also subdivision under Dubenki District)
Effect of various amounts of autogenous and heterogenous blood on the absorptive function of the reticulo-endothelial system in sheep [in Armenian with summary in Russian]. M. P. Manvelian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:81-85 '62.

Treatment and eradication of felon in sheep. G. S. Kuznetsov. Veterinarlia 38 no. 10:44-48 O '61.

SHEEP—FEEDING AND FERDS

Effect of different feeding levels on the physiological condition of the organism of sheep. E. M. Stepanov and others. Trudy VIEV 26:160-192 '62.

SHEEP—PARASITES see Parasites—Sheep**SHEEP BREEDING**

(see also subdivision under Armenia)
Increasing fertility in cows and sheep. P. I. Shatalov. Zhivotnovodstvo 23 no. 7:36-40 Ji '61.

Increasing multiparity in sheep by treating them with pregnant mare's serum in combination with prolactin. A. L. Paducheva, V. A. Petrov. Zhivotnovodstvo 23 no. 5:40-41 My '61.

Results of the transformation of the Mikhno sheep into medium-wool sheep on the "Pobeda" State Sheep Farm in Ostrogzhsk District. E. Liubachev. Sbor. stud. nauch. -issl. rab. VSKII 1 no. 1:233-234 '62.

SHEET—METAL WORK

Die-stamped and welded sheet-steel heat exchangers. G. A. Boiko, V. N. Bernadskii. Avtom. svar. 15 no. 12: 85-86 D '62.

Formation of slip bands during plastic sheet metal forming processes. A. D. Tomlenov. Kuz. -shtam. proizv. 5 no. 2:17-19 F '63.

Kukhtarov, V. I. [Cold stamping] Kholodnala shtampovka. Moskva, Mashgiz, 1962. 403 p.

"Metals for sheet-metal work" by V. P. Severdenko, S. A. Pasechnyi. Reviewed by N. A. Troshchenko, V. T. Tiliik, IU, M. Mirenski. Stal' 23 no. 1:89 Ja '63.

Romanovskii, V. P., and N. A. Dagolaiskaii. [Progressive die stamping of strips] Posledovatel'nala shtampovka v lenie. Pod obshchei red. V. P. Romanovskogo, Moskva, Mashgiz, 1962. 87 p. (Bibliotekha shtampovshchika, no. 6)

Selection of a sheet steel for the die stamping of intricate parts. L. A. Rubenkova, IU, P. Kazakov, I. B. Driashin. Kuz. -shtam. proizv. 5 no. 1:9-11 Ja '63.

Shaping bimetal by pressure. M. Ia. Brovman, IU, S. Dedin. Kuz. -shtam. proizv. 5 no. 1:3-5 Ja '63.

Soyezhchanie po novym protsessam obrabotki metallov davleniemo v mashinostroenii. Moscow, 1960. [New processes for the pressure working of metals] Noveye protsessy obrabotki metallov davleniemo; [materialy]. Moskva, Izd-vo Akad. nauk SSSR, 1962. 166 p.

Zubtsov, M. E. [Foreign achievements in the field of sheet-metal work] Zarubezhnye dostizheniia v oblasti kholodnoi shtampovki. Pod red. V. P. Romanovskogo, Moskva, Mashgiz, 1962. 73 p. (Bibliotekha shtampovshchika, no. 10)

SHEET-METAL WORK—EXPLOSIVES see Explosives in sheet-metal work**SHEET-METAL WORK—PATTERN-MAKING**

Precision with which fifth and sixth graders mark sheet metal. N. A. Chernenko. Dokl. APN 6 no. 5:19-22 '62.

SHEET-METAL WORK—STUDY AND TEACHING

Organizing instruction on sheet-metal work. I. V. Zel'dis. Shkola i proizv. 6 no. 8:29-39 Ag '62.

SHEET-METAL WORK—TECHNOLOGICAL INNOVATIONS

Mechanization and automation of cold stamping in small production. A. S. Zal'ts, G. Kh. Oka, P. A. L'vov. Mashinostroitel' no. 1:14-16 Ja '63.

SHEET METAL WORKING MACHINERY

Die stamping on universal, automatically controlled, horizontal bending presses. L. F. Bul'bina. Kuz. -shtam. proizv. 5 no. 2:44-45 F '63.

Requirements of sheet metal working presses used in automatic lines. S. L. Zlotnikov, I. P. Likstanzov. Kuz. -shtam. proizv. 5 no. 2:21-23 F '63.

- SHEET METAL WORKING MACHINERY—DESIGN AND CONSTRUCTION**
Basic direction in the redesign of press casings at the I. A. Likhachev Automobile Plant. G. N. Novinskii, Kuz.-shtam. proizv. 5 no. 2:36-43 F '63.
- SHEET STEEL**
Improving the stampability of nonaging 081U sheet steel. B. S. Natapov and others. Stal' 23 no. 1:84-86 Ja '63.
Some problems of the manufacture of electrolytically tinned and lacquered sheet steel in the "Zaporozhetal" Plant. V. I. Zisman, R. E. Mirkina. Koms. i ov. prom. 18 no. 1:22-24 Ja '63.
- SHEET STEEL—COLD WORKING**
Panassenko, F. L. [Manufacture of cold-rolled sheet steel] Proizvodstvo kholodnokatanoi listovoi stali. Khar'kov, Metallurgizdat, 1962. 302 p.
- SHEET STEEL—MAGNETIC PROPERTIES**
Investigating cold-rolled transformer steel by the internal friction method. M. I. Balazitov, V. E. Kochnov. Fiz. met. i metalloved. 15 no. 1:113-118 Ja '63.
- SHEET STEEL—TESTING**
Evaluating tendencies toward the formation of slip bands in sheet steel by results of testing. N. P. Kolesnikov, Kuz.-shtam. proizv. 5 no. 2:18-21 F '63.
Selection of a sheet steel for the die stamping of intricate parts. L. A. Rubenkova, I. P. Kazakov, I. B. Drlashin. Kuz.-shtam. proizv. 5 no. 1:9-11 Ja '63.
- SHEET STEEL—WELDING**
Die-stamped and welded sheet-steel heat exchangers. G. A. Bolko, V. N. Bernadekii. Avtom. svar. 15 no. 12: 85-86 D '62.
- SHERIN, PAVEL VASIL'EVICH, 1826-1900**
P. V. Sherin's collection "Great Russia in her songs, rites, customs, beliefs, tales, legends, etc. N. V. Novikov. Rus. fol'k. 7:313-327 '62.
- SHELLS—ANALYSIS**
Some foreign works on mineralogy and geochemistry of recent and fossil shells. N. A. Kornilov. Zap. Vses. min. ob.-va 81 no. 6:736-738 '62.
- SHERVASHIDZE, ALEKSANDR KONSTANTINOVICH, 1867-**
Documents on A. K. Shervashidze. S. S. Nachkebila. Trudy Abkhaz. inst. iaz. i lit. i ist. 32:165-186 '61.
- SHEVCHENKO, TARAS, 1814-1861**
Bel'chikov, N. F., ed. [T. G. Shevchenko in the reminiscences of his contemporaries] T. G. Shevchenko v vospominaniakh sovremennikov. [Moskva] Gos. izd.-vo khudozh. lit-ry, 1962. 511 p. (Seria literaturnykh memuarov)
(NN)
An ethnographic expedition to the places connected with the name of T. G. Shevchenko. V. Ivanov, Nar. tvorch. ta etn. 6 no. 3:153-154 Ji-S '62.
[A Garland for the great bard] Vinok velykomu kobzarevi. Kyiv, Radiants'kyi pys'mennyk, 1961. 485 p.
In a great, new family... A. Malysheko. V mlre knig 2 no. 10:32 O '62.
Kiev. Universitet. [Taras Shevchenko: on the centenary of his death] Taras Shevchenko do 100-lichchia z dlna smerti. Kyiv, 1961. 237 p.
(InU) (IU)
- SHIELDING (RADIATION)**
Application of "yield cross-section" methods to the calculation of shielding containing no hydrogen [with summary in English]. Inzh. -fiz. zhur. 5 no. 12:65-70 D '62.
Determining the build-up factor in barrier geometry. L. R. Kimmel. Atom. energ. 14 no. 3:315-316 Mr '63.
- SHIFT SYSTEMS**
Work in two or three shifts. S. P. Fedoseev. Avi. dor. 25 no. 8:3-4 Ag '62.
- SHIGELLA**
Accelerated method of preparing adsorbed agglutinating dysentery sera [with summary in English]. E. S. Naumova. Trudy TomNIIVS 11:284-287 '60.
Differentiation of the Kruse-Sonne dysenteric bacteria by the use of bacteriophage. Report No. 3. N. A. Akhmedov. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:163-167 '62.
Identification of Schmitz-Stutzer's and Flexner's dysenteric bacteria by the use of bacteriophage. Report no. 2; N. A. Akhmedov, T. E. Kluchareva. Nauch. trudy uch. i prak. vrach. Uzb. no. 3:158-162 '62.
Immunobiochemical parallels in the process of preparing Sonne agglutinating serum [with summary in English]. O. A. Vasil'eva. Trudy TomNIIVS 11:268-269 '60.
Repeated immunization of rabbits in the production of standard, Flexner's dysenteric agglutinating sera [with summary in English]. N. O. Sukhova. Trudy TomNIIVS 11:168-171 '60.
Role of merthiolate antigen in the preparation of agglutinating sera [with summary in English]. O. A. Vasil'eva. Trudy TomNIIVS 11:288-291 '60.
- SHINGLES (DISEASE) see Herpes zoster**
- SHIP HANDLING—BIBLIOGRAPHY see Bibliography—Ship handling**
- SHIP MODELS—TESTING**
New developments in the testing of ship models. Mor. flot 23 no. 2:39 F '63.
- SHIPBUILDING**
(see also subdivision under Denmark; Germany, West; Sweden)
Design of ships taking into account their repair. L. Pozin. Mor. flot 23 no. 2:30-31 F '63.
Increase requirements of ship designers and builders. P. Dolinskii, G. Tarasnik. Mor. flot 23 no. 2:32-33 F '63.
Measuring general deformations of ships by the optical sighting method. E. N. Medvet'skii. Izv. vys. ucheb. zav.; geod. i aerof. no. 4:39-46 '62.
Warship building in foreign countries in 1962 (from foreign journals). G. P. Zlobin. Sudostroenie 29 no. 2:69-74 F '63.
- SHIPBUILDING—BIBLIOGRAPHY see Bibliography—Shipbuilding**
- SHIPBUILDING—COSTS**
Economic problems should be in the center of attention of the industrial community. S. Bellenichev. Rech. transp. 22 no. 1:23-24 Ja '63.
- SHIPBUILDING—TECHNOLOGICAL INNOVATIONS**
Developing principles of voluntary activity in the work of primary organizations of the Scientific and Technical Society for the I. I. Nosenko Plant. L. M. Bystrovskii. Sudostroenie 28 no. 2:82 F '63.
Efficiency promoters of the A. A. Zhdanov Plant are striving for technical progress. S. N. Kovalev. Sudostroenie 29 no. 2:66-68 F '63.
Suggestions of efficiency promoters and inventors of the Kherson Shipbuilding Plant. G. V. Arkhangel'skii, V. M. Sullimov. Sudostroenie 29 no. 2:64-65 F '63.
- SHIPBUILDING MATERIALS**
Control of fireproof properties of finishing and decorative materials. N. S. Nosov. Sudostroenie 29 no. 2:74-75 F '63.
Fatigue characteristics of aluminum alloys used in shipbuilding. F. P. Shulgin, E. N. Shchukina. Sudostroenie 29 no. 2:47-51 F '63.
From the editor's briefcase. Rech. transp. 22 no. 1: 47-49 Ja '63.
Zhilinskii, K. L. [Heat insulation of ships] Sudovaya teploizolatsiia. Izd. 2., perer. i dop. Leningrad, Sudpromgiz, 1962. 404 p.
- SHIPBUILDING WORKERS—EDUCATION AND TRAINING**
Forge for shipbuilding personnel. A. Smirnov. Prof. -tech. obr. 20 no. 2:22 F '63.
- SHIPFITTING**
Drilling and punching openings in high-manganese austenitic steel. I. U. A. Avikson, N. I. Nakozin. Sudostroenie 29 no. 2:60-62 F '63.
Fitting crankshafts in main bearings without scraping. L. Vladimirov. Rech. transp. 22 no. 1:27-29 Ja '63.
- SHIPFITTING—EQUIPMENT AND SUPPLIES**
Krynlisa, M. N. [Equipment for mounting operations on ships] Osnastka dlia montaznykh rabot na sudakh. 2., izd. i spr. i dop. Leningrad, Sudpromgiz, 1962. 390 p.
- SHIPMENT OF GOODS see subdivision under Lvov Province**
- SHIPPING**
Search for an optimum variant of ship positioning on foreign navigation lines. N. E. Dmitrieva. Trudy TSNIMF no. 43:39-49 '62.
- SHIPPING—ABSTRACTS**
[Water transportation] Ref. zhur. i Vod. transp. no. 2 F '63.
- SHIPPING—ACCOUNTING**
Basic assumptions in the methods of investigating the actual economic efficiency of capital investments in the shipping fleet. O. P. Zylova. Trudy TSNIMF no. 43:15-29 '62.
Indices of the use of capital assets in the merchant marine. A. G. Zamakhovskaya. Trudy TSNIMF no. 43: 3-14 '62.
- SHIPS**
Basic principles in the selection of the type of vessels for mixed sea-river navigation. A. Kovalev. Rech. transp. 22 no. 1:5-8 Ja '63.
- SHIPS—ELECTRIC EQUIPMENT**
Galich, I. I. [Electric control systems of ships] Sudovye elektricheskie ustanovki upravleniia. Leningrad, Sudpromgiz, 1962. 259 p.
- SHIPS—ELECTRONIC EQUIPMENT**
Galich, I. I. [Electric control systems of ships] Sudovye elektricheskie ustanovki upravleniia. Leningrad, Sudpromgiz, 1962. 259 p.
- Kutasin, B. P.** [Electronic and automatic control on ships] Sudovaya elektroavtomatika. Moskva, Izd.-vo "Morakol transport," 1962. 407 p.
- SHIPS—EQUIPMENT AND SUPPLIES**
New types of freight loading devices on ships and methods of controlling them (from "Schiff und Hafen" no. 8, 1961). G. Meleshkin, V. Meleshkin. Mor. flot 23 no. 2:36-39 F '63.
- SHIPS—HEATING AND VENTILATION**
Comparative analysis of a ship's air-distributing arrangements. E. A. Raevskaya. Sudostroenie 29 no. 2:12-17 F '63.
Temperature in engine and boiler rooms during tropical voyages. V. M. Zafetov. Sudostroenie 29 no. 2:22-27 F '63.
Temperature of heated surfaces and livability conditions of engine rooms in seagoing motorships. A. P. Veronkovskaya and others. Sudostroenie 29 no. 2:16-22 F '63.
Testing and regulating ship ventilation systems by means of diaphragms. A. P. Shchegolev. Sudostroenie 29 no. 2:58-59 F '63.
- SHIPS—MAINTENANCE AND REPAIR**
(see also subdivision under Taganrog)
Design of ships taking into account their repair. L. Pozin. Mor. flot 23 no. 2:30-31 F '63.
Establishing work norms for roadstead harbor operations. E. Mal'ginov. Rech. transp. 22 no. 1:12 Ja '63.
How to avoid ship damage during raising on slips. M. Kiriukhin. Rech. transp. 22 no. 1:45-47 Ja '63.
Increase the speed of ship repairs. Rech. transp. 22 no. 1:4 Ja '63.
Investigating the use of various output indices in ship repairs. I. D. Barkov, M. A. Sverdlov. Trudy TSNIMF no. 43:81-91 '62.
Maintenance of equipment by means of its partial protection during prolonged ship repairs. L. P. Zuov, G. M. Novak. Sudostroenie 29 no. 2:54-57 F '63.
Potentials of labor productivity for ship repairs and their use to reduce the lay-up time in dockyards. L. I. Gurin. Trudy TSNIMF no. 43:92-101 '62.
- SHIPS—SPEED**
The most advantageous coefficients of displacement and the operational speed of a ship. L. M. Nogai. Sudostroenie 29 no. 2:5-11 F '63.
- SHIPUNOVO DISTRICT—COLLECTIVE FARMS—MANAGEMENT**
The most important is work with people and the skillful organization of labor. F. Grin'ko. Agitator no. 7:41-45 Ap '62.
- SHIPWRECKS**
Refloating the marine diesel-electric motorship "Stenieropol." B. Shan'ko. Mor. flot 23 no. 2:23-24 F '63.
- SHIPYARDS see subdivision under Kama River Kherson;**
- SHIRTS, MEN'S**
Test new fabrics in laundries. G. Sukhova and others. Zhil.-kom. khoz. 12 no. 8:23 Ag '62.
- SHIRVAN STEPPE see Kura Lowland**
- SHOCK WAVES**
A difference method for calculating shock waves. V. F. Kuropatenko. Zhur. vych. mat. i mat. fiz. 3 no. 1:201-204 Ja-F '63.
Effect of long shock waves on a solid body. S. S. Grigor'ian. PMTF no. 1:124-125 Ja-F '63.
On a bordering case of the propagation of strong explosion waves in an inhomogeneous medium. B. M. Rumiantsev. PMTF no. 1:127-129 Ja-F '63.
On the theory of shock waves in relativistic magnetohydrodynamics. R. V. Dolch. PMTF no. 1:38-46 Ja-F '63.
Some new data on the structure of shock waves. V. S. Pushkin. Trudy MTIPP 15:226-238 '60.
Structure of a shock wave in a nonisothermal plasma. A. P. Kazantsev. PMTF no. 1:32-37 Ja-F '63.
- SHOE INDUSTRY**
(see also subdivision under Alma-Ata Province; Leningrad; White Russia)
Technological progress in the leather and footwear industry. G. V. Litvyl. Kozh.-obuv. prom. 5 no. 1:4-7 Ja '63.
- SHOE INDUSTRY—EQUIPMENT AND SUPPLIES see subdivision under Riga; Winnika**
- SHOE INDUSTRY—EXHIBITIONS**
All-Union Fair of Shoe Wholesale Trade. Kozh.-obuv. prom. 5 no. 1:31 Ja '63.
- SHOE INDUSTRY—MANAGEMENT see subdivision under Lvov**
- SHOE INDUSTRY—QUALITY CONTROL see subdivision under Taldy-Kurgan**

SHOE INDUSTRY—SAFETY MEASURES

Asanas'ov, A. A., and I. A. M. Rabinovich. [Safety engineering in shoe manufacture] Tekhnika bezopasnosti v obuvnom proizvodstve. Moskva, Rostekhlizdat, 1982, 225 p.

SHOE MACHINERY

Methods of shoe upper forming and equipment classification. V. P. Skvarik, I. Z. Steblina. Leh. prom. no. 3: 77-81 Je-Ag '62.

ZPK2-0 machine for glue tightening and forming of footwear heel parts. D. L. Luk'yanov. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:63-64 '63.

SHOE MACHINERY—TESTING

Investigating the thread tension in the operational process of the SPR sewing machine. K. V. Kveladze. Kozh.-obuv. prom. 5 no. 1:32-35 Ja '63.

SHOE MANUFACTURE

(see also subdivision under Ukraine)

Manufacture of slipper-type indoor footwear on AGV-12 presses. A. I. Anop, A. L. Radova'kyi, E. I. Dvorsina. Leh. prom. no. 3:29-30 Je-Ag '62.

Methods of shoe upper forming and equipment classification. V. P. Skvarik, I. Z. Steblina. Leh. prom. no. 3: 77-81 Je-Ag '62.

Morekhodov, G. A. [Establishing norms for the expenditure of auxiliary shoemaking materials] Normirovaniye raskhoda vopomogatel'nykh obuvnykh materialov. Moskva, Rostekhlizdat, 1982, 121 p.

New trends in the development of the technology of shoe manufacture. B. D. Breev. Kozh.-obuv. prom. 5 no. 1: 17-24 Ja '63.

Potentials in the manufacture of shoe uppers. V. S. Novikov. Kozh.-obuv. prom. 5 no. 1:25-27 Ja '63.

Use of stiff counters preliminarily coated with adhesive in the paperboard factory (from "The Shoe and Leather News," no. 2377, 1981). K. M. Robinson. Kozh.-obuv. prom. 5 no. 1:40 Ja '63.

SHOE MANUFACTURE—TECHNOLOGICAL INNOVATIONS

see subdivision under Odessa

SHOLOKHOV, MIKHAIL ALEKSANDROVICH, 1905-

M. Sholokhov's "And quiet flows the Don" as a socio-historic epic. P. D. Kravskii. Uch. zap. MGPI [174]: 33-64 '61.

SHOPPING CENTER

Rural shopping center. V. Anokhin. Sov. torg. 35 no. no. 9:60-62 S '62.

SHORE BIRDS

Ecologic and morphological studies and taxonomy of Limicolae. L. K. Shaposhnikov. Ornitologiya no. 5: 426-430 '62.

SHORING AND UNDERPINNING

Vsesoyuznyi institut po proektirovaniyu organizatsii energeticheskogo stroitel'stva "Orgonorgostroi." Moskovskii filial. [Album of drawing of stock equipment for the erection of structural elements] Album chertezhei inventarnykh prisooblenii dlia vozvedeniya stroitel'nykh konstruktov. Moskva.

Pt. 2. [Scaffolding, trestles, trench shoring] Lesa, podmostki, kreplenia transhei. Utverzhden resheniem tekhnicheskogo upravleniya No. 61 of 19 marta 1980 g. 1982, 113 p.

SHORT STORIES, ARMENIAN

Rachian, Kh., comp. [Armenian novels. Translated from the Armenian] Armianskie novelli. Erevan, Armianskoe gos. izd-vo, 1982, 646 p. (MII)

SHORTWAVE RADIO

see Radio, Shortwave

SHOT

Improved procedure for the manufacture of cast steel shot for drilling. V. I. Pavlovskii, R. I. Ostroshko. Lit. protzv. no. 7:3-4 JI '62.

SHOT PEENING

Heating of strain-hardened parts for an increase in their fatigue strength. I. V. Kudriavtsev, D. A. Syeshnikov. Metalloved. i term. obr. met. no. 1:6-7 Ja '63.

SHOT PEENING—EQUIPMENT AND SUPPLIES

Automation of the shotblast unit of an electric pipe welder. V. G. Bezumenko, B. V. Furmanov. Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 2:6-8 '63.

SHOULDER

Variations in the attachment of the musculus subscapularis and of the long head of the musculus biceps brachii. P. F. Shaparenko. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:94 '68.

SHOULDER—DISEASES

"Pseudosyringomyelia" syndrome in periarthritis of the shoulder joint. M. M. Netreba, M. I. A. Sobolev, N. V. Dobrzhanakata. Vrach. delo no. 1141-143 Ja '63.

SHOULDER GIRDLE

Macroscopic anatomy and functions of the deep muscles of the shoulder girdle. P. F. Shaparenko. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:169-198 '58.

SHOULDER JOINT

Anatomy of the capsule of the shoulder joint in man. P. F. Shaparenko. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:88-93 '58.

Data on the anatomy of the human shoulder joint in ontogenesis. P. F. Shaparenko. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:178-188 '58.

SHOW WINDOWS

(see also subdivision under Moscow)

Art of the show-window decorator. F. Giterman. Sov. torg. 36 no. 10:55-56 O '62.

SHIREWS

see subdivision under Russia, Northern

SHUSTOV, BORIS ALEKSEEVICH, 1880-1945

In memory of Professor B. A. Shustov; the 15th anniversary of his death. A. I. Kotov, V. V. Pamfilov. Trudy Brian. tekhn. inst. 9:305-308 '60.

SHUYA—POLITICS AND GOVERNMENT

Water, pipes, and Soviet bureaucrats. I. Serikov. Sov. deput. trud. no. 3:77-81 Mr '63.

SIBERIA—BAUXITE

Prospects for increasing the mineral resources of the Siberian aluminum industry. M. S. Soshnikova. Razved. i okh. nedr. 29 no. 1:9-13 Ja '63.

SIBERIA—BIRDS

Biology of some birds of central Siberia. R. L. Naumov. Ornitologiya no. 5:135-143 '62.

Cases of poisoning of birds by poisonous chemicals at the fruit and berry stations of Siberia. M. A. Prokofev. Ornitologiya no. 5:322-323 '62.

SIBERIA—BRACHIOPODA, FOSSIL

Ivanova, E. A. [Ecology and development of Silurian and Devonian brachiopods in the Kuznetsk, Minusinsk, and Tuva Basins] Ekologiya i razvitiye brachiopod silura i devona Kuznetskogo, Minusinskogo i Tuvinskogo bassainov. Moskva, Izd-vo Akad. nauk SSSR, 1962, 149 p. (Akademiya nauk SSSR. Paleontologicheskii institut. Trudy, vol. 88)

SIBERIA—CELADONITE

Ferruginous saponite and celadonite from pillow lavas of trap rocks in Siberia. V. I. Kudriashova. Trudy Min. muz. no. 13:210-218 '62.

SIBERIA—DECEMBRISTS

Shatrova, G. P. [Decembrists and Siberia] Dekabristy i Sibir'. Tomsk, Izd-vo Tomskogo univ., 1962, 173 p.

SIBERIA—FIR

Wonder fluid. V. Zhmotov. Mest. prom. i khand. promys. 4 no. 2:19 F '63.

SIBERIA—FIR—DISEASES AND PESTS

Rots of the Siberian fir. E. N. Falaleev, A. V. Krasikova. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:23-28 '62.

SIBERIA—GEOGRAPHICAL RESEARCH

Modern geography and its tasks in Siberia and the Far East. V. B. Sochava. Sib. geog. sbor. no. 1:5-18 '62.

Research on the geography of Siberia and the Far East. V. V. Vorob'ev. Sib. geog. sbor. no. 1:231-238 '62.

SIBERIA—GEOGRAPHY

Immediate tasks of the geographers of Siberia and the Far East; a conference in Vladivostok. V. B. Sochava. Vest. AN SSSR 33 no. 2:123-126 F '63.

SIBERIA—GEOGRAPHY—CONGRESSES

The Second Scientific Conference of the Geographers of Siberia and the Far East. N. V. Fadeeva, E. S. Khorev. Izv. AN SSSR. Ser. geog. no. 1:148-153 Ja-F '63.

SIBERIA—GEOLOGY

Ancient highland of southern Siberia; problem of the "most ancient vertex of Asia." Trudy SNIIGGIMS no. 13:65-78 '60.

SIBERIA—GOLD ORES

Obruchov, V. A. [Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR, Vol. 4, 1963, 391 p.

SIBERIA—HONEY PLANTS

Honey geography. V. Nekrasov. Vokrug sveta no. 11: 50-52 N '62.

SIBERIA—INSECTS, INJURIOUS AND BENEFICIAL

Results of a study of the bloodsucking anthropoda of Siberia and the problems in this field [with summary in English]. V. M. Popov. Trudy TomNIIVS 11:14-21 '60.

SIBERIA—LABOR AND LABORING CLASSES

Important problems of economics. L. Semenov. Sots. trud. 8 no. 1:147-152 Ja '63.

SIBERIA—MINERALS

Find of lucasite in Siberian carbonatites. I. A. Bagdasarov and others. Dokl. AN SSSR 147 no. 5:1168-1171 D '62.

SIBERIA—NATURAL RESOURCES

Economic utilization of the natural resources of Siberia. M. I. Pomus. Sib. geog. sbor. no. 1:19-36 '62.

SIBERIA—PEGMATITES

Alteration processes of triphylite from pegmatites in Siberia. T. I. Timchenko. Trudy Min. muz. no. 13: 135-146 '62.

SIBERIA—PETROLEUM GEOLOGY

Role and importance of geophysics in oil and gas prospecting in Siberia. A. I. Bogdanov. Geol. nefli i gaza 9 no. 9:17-21 S '62.

SIBERIA—PROSPECTING

Results and problems of geological prospecting in Siberia. B. M. Kosov. Razved. i okh. nedr. 29 no. 1:1-8 Ja '63.

SIBERIA—RAILROADS—CONSTRUCTION

From Irtysh to the Ob; the road to Siberian treasures. I. U. Apenchenko. Sov. Soizuz no. 3:8-11 '63.

SIBERIA—REVOLUTION, 1917-1921

"The October Revolution in Siberia" by V. P. Safronov. Reviewed by B. V. Gumbikh, A. I. Ugriumov. Vop. ist. KPSS 7 no. 1:126-128 Ja '63.

Safronov, V. P. [The October Revolution in Siberia; how the Siberian Bolsheviks struggled for the victory of the Great October Socialist revolution, February 1917-March 1918] Oktjabr' v Sibiri; bol'sheviki Sibiri v bor'be za pobedu Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii, fevral' 1917-mart 1918 g. [Krasnolarsk] Krasnolarskoe knizhnoe izd-vo, 1962, 711 p.

SIBERIA—SAPONITE

Ferruginous saponite and celadonite from pillow lavas of trap rocks in Siberia. V. I. Kudriashova. Trudy Min. muz. no. 13:210-218 '62.

SIBERIA—SOILS

Some problems in the classification of nomenclature of soils in Central Siberia. M. V. Orlovskii. Pochvovedenie no. 1:105-107 Ja '63.

SIBERIA—SOILS—CLASSIFICATION

Basic principles of the classification of soils in Siberia. K. P. Gorchennin. Pochvovedenie no. 1:21-29 Ja '63.

SIBERIA—STOCK AND STOCKBREEDING

Review of "On virgin lands of Siberia and Kazakhstan" by A. S. Shevchenko. Zhivotnovodstvo 23 no. 3:7-8 My '61.

SIBERIA—TRIPHYLITE

Alteration processes of triphylite from pegmatites in Siberia. T. I. Timchenko. Trudy Min. muz. no. 13: 135-146 '62.

SIBERIA—VETERINARY RESEARCH

Work of the Siberian Scientific Research Veterinary Institute in the light of its new objectives. A. V. Selivanov. Veterinariia 38 no. 10:16-17 O '61.

SIBERIA—VOCATIONAL EDUCATION

Useful seminars. N. Nikol'skii. Avi. transp. 41 no. 1: 59 Ja '63.

SIBERIA—WOOD-DECAYING FUNGI

Rots of the Siberian fir. E. N. Falaleev, A. V. Krasikova. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:23-28 '62.

SIBERIA, EASTERN—CRYOPEDOLOGY

Cryogenic formations in Eastern Siberia. S. P. Kachurin. Trudy Inst. merzl. AN SSSR 18:26-38 '62.

SIBERIA, EASTERN—ECONOMIC POLICY

Changes in the geographical distribution of the productive forces of Eastern Siberia. V. A. Krotov. Sib. geog. sbor. no. 1:40-53 '62.

Economic development of the southern part of Eastern Siberia and the problem of transportation. N. N. Kazanskii. Sib. geog. sbor. no. 1:69-76 '62.

SIBERIA, EASTERN—GEOLOGY, STRUCTURAL

Recent tectonics and seismic regionalization of the northeastern part of the U. S. S. R. I. A. Rezanov, V. M. Kochetkov. Izv. AN SSSR. Ser. geofiz. no. 12:1673-1684 '62.

SIBERIA, EASTERN—GEOMORPHOLOGY

Practice in the geomorphological regionalization of Northeastern Siberia. I. U. P. Buranova, S. F. Biske. Sib. geog. sbor. no. 1:131-159 '62.

SIBERIA, EASTERN—GOLD CRYSTALS

Pentagon-dodecahedral microcrystals of gold in contact metamorphosed recrystallized veins in the Northeast of the U. S. S. R. L. V. Firsov. Dokl. AN SSSR 148 no. 3:681-683 Ja '63.

- SIBERIA, EASTERN—INDUSTRIES, LOCATION OF**
Changes in the geographical distribution of the productive forces of Eastern Siberia. V. A. Krotov. Sib. geog. sbor. no. 1:40-53 '62.
- SIBERIA, EASTERN—ORNITHOLOGY**
First and second ornithological conferences of Eastern Siberia. V. F. Larionov. Ornitologiya no. 5:443-445 '62.
- SIBERIA, EASTERN—PROSPECTING**
Irkutsk prospectors are trying to create sources of mineral and raw material supply in Eastern Siberia. A. M. Lanko. Razved. i okh. nedr. 29 no. 1:60-61 Ja '63.
- SIBERIA, EASTERN—SEISMOLOGY**
Recent tectonics and seismic regionalization of the northeastern part of the U.S.S.R. I. A. Rezanov, V. M. Koshetkov. Izv. AN SSSR. Ser. geofiz. no. 12:1673-1684 '62.
- SIBERIA, EASTERN—SOILS**
Akademiya nauk SSSR. Pochvennyi institut imeni V. V. Dokuchaeva. [Soils of Eastern Siberia] O pochovkakh Vostochnoi Sibiri. Moskva, Izd-vo Akad. nauk SSSR, 1963. 194 p.
- SIBERIA, EASTERN—TRANSPORTATION**
Economic development of the southern part of Eastern Siberia and the problem of transportation. N. N. Kazanskii. Sib. geog. sbor. no. 1:69-76 '62.
- SIBERIA, WESTERN—AMERICANS**
Forefront of socialism in Siberia. A. S. Mazlukov, L. I. Prukova. Vop. ist. KPSS 7 no. 1:114-119 Ja '63.
- SIBERIA, WESTERN—ANIMALS AS CARRIERS OF DISEASE**
Role of small mammals in the formation of natural infection foci in Western Siberia [with summary in English]. N. I. Igoikin. Trudy TomNIIVS 11:38-45 '60.
- SIBERIA, WESTERN—CONSTRUCTION INDUSTRY**
A powerful construction base for the Western Siberian Metallurgical Plants is being created. A. Gaiduk. Na stroi. Ros. 3 no. 2:7-9 F '62.
- SIBERIA, WESTERN—INDUSTRIAL ORGANIZATION**
Traveling goods. I. U. Khazanov. Mest. prom. i khud. promys. 3 no. 12:28 D '62.
- SIBERIA, WESTERN—METALLURGICAL PLANTS**
A powerful construction base for the Western Siberian Metallurgical Plant is being created. A. Gaiduk. Na stroi. Ros. 3 no. 2:7-9 F '62.
- SIBERIA, WESTERN—MITES**
Data on the fauna of gamasid mites in the eastern part of Western Siberia [with summary in English]. V. M. Popov, N. I. Igoikin. Trudy TomNIIVS 11:22-24 '60.
- SIBERIA, WESTERN—PETROLEUM GEOLOGY**
Basic geological results of oil and gas prospecting in Western Siberia. V. G. Vasil'ev, G. L. Grishin. Geol. nefli i gaza 9 no. 8:12-16 S '62.
Current problems of oil and gas prospecting in Western Siberia. E. I. A. Dmitriev, L. I. Rovnin, I. U. G. Erv'e. Geol. nefli i gaza 9 no. 8:4-11 S '62.
Let us create a new oil and gas production center in Western Siberia. Geol. nefli i gaza 9 no. 8:1-3 S '62.
- SIBERIA, WESTERN—PHYSICAL GEOGRAPHY**
Physicogeographical regionalization of Sverdlovsk Province in connection with the regionalization of the Urals and Western Siberia. V. I. Prokav, A. M. Olenov. Sib. geog. sbor. no. 1:96-118 '62.
- SIBERIA, WESTERN—POLIOMYELITIS**
Analysis of local data on epidemic and sporadic poliomyelitis [with summary in English]. A. F. Iastrebov. Trudy TomNIIVS 11:99-106 '60.
- SIBERIA, WESTERN—Q FEVER**
Q fever in Western Siberia [with summary in English]. S. P. Karpov and others. Trudy TomNIIVS 11:91-96 '60.
- SIBERIA, WESTERN—SOILS**
Quantitative characteristics of interpretation characteristics of soils on air photos by means of correlation coefficients [with summary in English]. M. A. Platonenko. Pochvovedenie no. 1:75-84 Ja '63.
- SIBERIA, WESTERN—TICKS AS CARRIERS OF DISEASE**
Foci of tick-borne encephalitis in Western Siberia and problems in their sanitation [with summary in English]. S. P. Karpov, V. M. Popov, A. G. Kolmakova. Trudy TomNIIVS 11:7-13 '60.
- SIBERIA, WESTERN—WATER RESOURCES DEVELOPMENT**
Complex use and the conservation of water resources of Western Siberia and the Northern Sea Route. B. N. Kopylov, V. G. Sukhova. Probl. Arkt. i Antarkt. no. 10:81-86 '62.
Problems of the West Siberian water resources. S. L. Vendrov. Izv. AN SSSR. Ser. geog. no. 1:36-44 Ja-F '63.
- SIBERIAN PLATFORM—CHEMICALS**
Distribution of some chemical elements in surface and subsol waters of the northwestern part of the Siberian Platform. A. E. Kontorovich, M. A. Sadikov, S. L. Shvartsev. Dokl. AN SSSR 149 no. 1:179-180 Mr '63.
- SIBERIAN PLATFORM—GASTROPODA, FOSSIL**
Vostokova, V. A. [Ordovician and Silurian gastropods of the Siberian Platform] Ordovikskie i siluritskie gastropody Sibirskoi platformy. Moskva, Gos. nauch.-no-tekhn. izd-vo lit-ry po geol. i okhrane nedr. 1962. 45 p. (Leningrad. Vsesoluznyi geologicheskii institut. Trudy, vol. 75)
- SIBERIAN PLATFORM—ICELAND SPAR**
Fluorescence properties of Iceland spar. G. P. Barsanov, Kh. K. Sarsembaeva. Trudy Min. muz. no. 13: 147-152 '62.
- SIBERIAN PLATFORM—MERCURY ORES**
Mercurial mineralization in the South of the Siberian Platform. V. N. Znamirovskii. Dokl. AN SSSR 148 no. 3:884-885 Ja '63.
- SIBERIAN PLATFORM—ORE DEPOSITS**
Recent data on ore-bearing trap intrusions of the Siberian Platform. A. M. Vilenksii and others. Dokl. AN SSSR 148 no. 1:183-186 Ja '63.
- SIBERIAN PLATFORM—WATER—ANALYSIS**
Distribution of some chemical elements in surface and subsol waters of the northwestern part of the Siberian Platform. A. E. Kontorovich, M. A. Sadikov, S. L. Shvartsev. Dokl. AN SSSR 149 no. 1:179-180 Mr '63.
- SIEMENS-MARTIN FURNACE** see Open-hearth process
- SIEVES**
State standard for sieves made of corrugated wire with square mesh. Blul. stroi. tekhn. 20 no. 2:18-20 F '63.
- SIGHT**
Determining the thresholds of visual recognition in children [with summary in English]. E. N. Alferova. Vop. psikh. no. 6:77-88 N-D '62.
- SIGHT SINGING**
Varfolomos, A. D. [Singing in the solfeggio course; on teaching methods in music schools] Ponis v kurse sol'fedzhio; k metodike prepodavaniya v muzykal'nykh uchilishchakh. Leningrad, Muzgiz, 1962. 61 p. (V pomoshch' pedagogu muzykantu)
- SIGNS AND SIGNBOARDS**
Road signs should be taken from roadsides. I. A. Kushev and others. Avi. dor. 25 no. 8:26 Ag '62.
- SIKHOTE-ALIN' RANGE—GEOLOGY**
Ivanov, B. A. [Plan of the stratigraphy, facies regionalization, and tectonics of the Sikhote-Alin' Range] Skhema stratigrafii, faitsial'nogo raionirovaniya i tektoniki Iuzhnogo Sikhote-Alinia. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1961. 45 p.
- SIKHOTE-ALIN' RANGE—GEOLOGY, STRUCTURAL**
Fuzin-Iman displacement. V. N. Silant'ev. Izv. AN SSSR. Ser. geol. 28 no. 2:39-49 F '63.
- SIKHOTE-ALIN' RANGE—NATURAL HISTORY**
"In the shelters of Ussurian relicts" by A. I. Kurentsov. Reviewed by V. V. Nikol'skaya. Priroda 52 no. 2:124 '63.
- SILANE**
Physicochemical analysis of the systems $\text{SnCl}_4 - \text{SiCl}_4$ and $\text{SnCl}_4 - \text{CH}_3\text{SiCl}_3$. Kh. R. Rustamov, T. V. Porshukova, A. Abdurakhimov. Uzb. khim. zhur. 6 no. 6:28-30 '62.
Potential functions of molecules of the homologous series $(\text{CH}_3)_n\text{SiF}_4-n$ ($n = 1-4$). I. F. Kovalev. Dokl. AN SSSR 148 no. 3:569-572 Ja '63.
Preparation and properties of hexachlorocyclohexylchlorosilanes. G. V. Molsarev, A. I. Akubovich, V. R. Rozemberg. Dokl. AN SSSR 148 no. 1:116-117 Ja '63.
Reaction of tetraethylosilane and its analogs with alkyl halides. N. S. Viazankin, G. A. Razuvayev, O. S. D'achkovskaya. Zhur. ob. khim. 33 no. 2:613-617 F '63.
Reaction of the methyl esters of mono- and dicarboxylic acids of ferrocene with α - and β -magnesium haloalkylsilanes. A. D. Petrov, E. B. Sokolova, G. P. Bakunich. Dokl. AN SSSR 148 no. 3:598-600 Ja '63.
Removal of chlorine-containing compounds from tri- and tetraethylosilanes. S. I. Kleshchevnikova, E. F. Levina, E. I. Rumiantseva. Plast. massy no. 1:25-26 '63.
Thermal degradation of methyl- and phenylchlorosilanes. V. S. Tiubanskaya, S. L. Leichuk. Plast. massy no. 2: 19-21 '63.
- SILICA**
Effect of high-frequency discharges on the adsorption properties of silica gel. S. V. Starodubtsev and others. Radiotekhn. i elektron. 8 no. 2:328-330 F '63.
Entirely mobile behavior of alumina and the inertness of SiO_2 in metasomatic plagioclase formation in primary pegmatites of the Monche-Tundra. R. V. Karpov. Dokl. AN SSSR 148 no. 3:686-687 Ja '63.
- Isomerization of hydrocarbons of the bicyclo-(2, 2, 1)-heptene series in the presence of silica gel. A. F. Plato, E. M. Mit'vitskaya. Neftokhimiya 3 no. 1:40-47 Ja-F '63.
- SILICIDES**
Investigating the thermal expansion of certain silicides. V. S. Noshpor, M. I. Reznichenko. Ogneupory 28 no. 3: 134-137 '63.
- SILICON CARBIDE—ANALYSIS**
Effect of impurities in carborundum on heat or properties. R. I. Bresker, N. I. Voronin, D. D. Khrycheva. Ogneupory 28 no. 2:92-96 '63.
- SILICON CHLORIDES**
Physicochemical analysis of the systems $\text{SnCl}_4 - \text{SiCl}_4$ and $\text{SnCl}_4 - \text{CH}_3\text{SiCl}_3$. Kh. R. Rustamov, T. V. Porshukova, A. Abdurakhimov. Uzb. khim. zhur. 6 no. 6:28-30 '62.
- SILICON COMPOUNDS**
Manullov, L. A., and O. I. Klukovskii. [Physical chemistry and silicon chemistry] Fizicheskaya khimiya i khimiya kremnia. Izd. 3. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 310 p.
Surface chemical compounds on siliceous adsorbents and their role in adsorption phenomena. I. E. Netmark. Neftokhimiya 3 no. 1:149-158 Ja-F '63.
- SILICON-IRON ALLOYS** see Iron-silicon alloys
- SILICON ORGANIC COMPOUNDS**
Andrianov, K. A. [Polymers with inorganic main chains of molecules] Polimery s neorganicheskimi glavnyimi tsaplami molekul. Moskva, Izd-vo Akad. nauk SSSR, 1962. 326 p.
Synthesis and transformations of unsaturated organosilicon compounds. Part 16: Synthesis and properties of some secondary γ -silicon-containing acetylenic alcohols. I. A. Shikhov, I. A. Aslanov. Zhur. ob. khim. 33 no. 2:377-379 F '63.
Synthesis of 1,4-bis(trimethylsilyl)benzene. V. E. Nikitkov. Zhur. ob. khim. 33 no. 2:641-642 F '63.
Synthesis of some ethoxysilanes and disiloxanes with 3,3,3-trifluoropropyl groups. E. G. Kagan, A. I. Klobanetski, A. V. Kharlamova. Zhur. ob. khim. 33 no. 2:704-705 F '63.
Use of silicon organic compounds for the control of heavy ing. D. V. Volotskoi. Zhel. dor. transp. 45 no. 2:75-76 F '63.
- SILICON STEEL—METALLOGRAPHY**
Anisotropy of the hysteresis of deformed silicon iron crystals. E. G. Krivososova, B. G. Livshits. Fiz. met. i metalloved. 14 no. 8:930-932 D '62.
- SILICOPHOSPHATES**
Silicon orthophosphate. G. B. Seifer. Zhur. neorg. khim. 7 no. 12:2800-2807 D '62.
- SILK**
Rubinov, E. B. [Automatic silk reeling machine of the type developed by the Uzbekistan Scientific Research Institute of the Silk Industry, operated according to the principle of thread tension] Kokonomotil'nyi avtomat tipa UZNIISHP, dolstvushchii po printalpu rastlazonia niti. Tashkent, Izd. AN UzSSR, 1962. 298 p.
- SILK MANUFACTURE** see subdivision under Riga
- SILK MANUFACTURE—HYGIENIC ASPECTS** see subdivision under Moscow
- SILKWORMS**
Biological bases of the mechanization of industrial processes in the cultivation of the mulberry silkworm [in Armenian with summary in Russian]. S. M. Sarkisian. Izv. Glav. upr. sel'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:97-102 '62.
Killing silkworm cocoons by irradiation [with summary in English]. T. V. Tsetakhidze. Trudy Inst. fiz. AN Gruz. SSR 8:103-107 '62.
- SILLS (GEOLOGY)** see subdivision under Chona Valley
- SILOXANES**
Adsorption of polydimethylsiloxane from solutions by aerosols. A. V. Kiselev, V. N. Novikova, I. U. A. El'tekov. Dokl. AN SSSR 149 no. 1:131-134 Mr '63.
Polyorganoborosiloxanes. K. A. Andrianov and others. Plast. massy no. 1:21-25 '63.
Radiation-induced chemical sulfochlorination of polydimethylsiloxane. R. V. Dzhegapatyan and others. Plast. massy no. 2:16-18 '63.
- SILT**
(see also subdivision under Caspian Sea region)
Water turbidity and the phases of the water regime of mountain rivers. O. P. Shakhglova. Izv. AN SSSR. Ser. geog. no. 1:91-95 Ja-F '63.
- SILVER HALIDES**
Radiochemical investigation of the solubility of silver halides and their analogy with monovalent thallium halide. V. E. Mironov. Radiokhimiya 5 no. 1:118-125 '63.

SILVER HALIDES—SPECTRA

Effect of the optical density and of the light flux striking the photocell on the path of the spectral curve of absorption of silver halide. E. A. Kirillov, E. A. Nestorovskaya, A. B. Gol'denberg, Zhur. nauch. i prikl. fot. i kin. 5 no. 1:47-50 Ja-F '63.

SILVER IODIDE

Crystallization of water superfrozen by silver iodide. V. N. Balabanova, T. N. Zhigalovskaya, Izv. AN SSSR, Ser. geofiz. no. 10:1453-1455 O '62.

SILVER ISOTOPES

Radiochemical investigation of the solubility of silver halides and their analogy with monovalent thallium halide. V. E. Mironov, Radiokhimiya 5 no. 1:118-125 '63.

SILVER PERCHLORATE

Photochemical and radiation-chemical reduction of silver perchlorate in the presence of organic compounds. I. S. Shchegoleva and others, Dokl. AN SSSR 148 no. 3: 633-636 Ja '63.

SILVER TELLURATE

Conditions for the preparation of silver tellurates. T. B. Stumkel, Z. A. Mikhaleva, I. A. Vershinina, Zhur. neorg. khim. 7 no. 12:2816-2817 D '62.

SIMMENTHAL CATTLE

Age and live weight of Simmenthal heifers at their first insemination and their consequent productivity. E. T. Sipilayev, Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:261-263 '62.

Productivity of the cattle herd on the Kon'-Kolodze' Breeding Farm and ways for its increase. V. Dedov, Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:265-266 '62.

SINAIA, ROMANIA—PUMPING MACHINERY

Regular production flow is the main thing. I. Tapu, Sov. profsoyuz 10 no. 2:25 Ja '63.

SINAIA, ROMANIA—TRADE UNIONS

Regular production flow is the main thing. I. Tapu, Sov. profsoyuz 10 no. 2:25 Ja '63.

SINTERING

Automatic proportioning of sintering charge mixture components. D. A. Kisein, I. A. Platon, D. P. Pritykin, Stal' 23 no. 1:112-113 Ja '63.
Effect of adding hydrogen to carbon oxide on the reduction of sinters with varying physical structure. K. K. Shkodin, Stal' 23 no. 2:97-104 F '63.
Improving the mixing of sinter charges. V. G. Melnikovskii, V. M. Orobtshev, Metallurg 8 no. 2:12 F '63.
Replacing parts of a multicyclone during the operation of a sintering machine. D. P. Pritykin, R. S. Bershtein, Stal' 23 no. 2:115-116 F '63.

SINTERING—EQUIPMENT AND SUPPLIES

Automatic disconnection of conveyers in the clogging up of spouts. L. D. Liber, Metallurg 8 no. 2:12 F '63.

SISIAN DISTRICT—COPPER ORES

Karamian, K. A. [Structure and formation of the Dastakort copper-molybdenum deposit] Struktura i uslovia obrazovaniia Dastkortsogo medno-molibdenovogo mestorozhdeniia, Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 185 p. (Akademiia nauk Armianskoi SSR, Eri van. Poleznye iskopaemye, no. 1)

SISIAN DISTRICT—MOLYBDENUM ORES

Karamian, K. A. [Structure and formation of the Dastakort copper-molybdenum deposit] Struktura i uslovia obrazovaniia Dastkortsogo medno-molibdenovogo mestorozhdeniia, Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 185 p. (Akademiia nauk Armianskoi SSR, Eri van. Poleznye iskopaemye, no. 1)

SITOSTEROL

Effect of β -sitosterol on lipid metabolism and the course of atherosclerosis [with summary in English]. I. V. Krivoruchenko, Sov. med. 26 no. 12:32-37 D '62.

SIZING (TEXTILE)

New methods of size preparation. N. I. Efremov, Tekst. prom. 23 no. 1:57-59 Ja '63.

SKARNS

Ore skarns in the classification of endogenetic deposits. N. V. Kuklin, Mat. po geol. i pol. iskop. Urala no. 10: 88-98 '62.

SKATING

Master of ice tracks. Sov. Soluz no. 3:52 '63.

SKIN

Some biochemical changes in the skin and blood of rabbits during irradiation of a limited section of the cutaneous tegmen with radioactive phosphorus (p32) [with summary in English]. B. A. Zadorozhnyi, N. N. Madlovskaya, Vrach. delo no. 1:23-28 Ja '63.

SKIN—DISEASES

(see also subdivision under Alma-Ata)
Cholinergic indices in some skin diseases. I. V. Shchutskii, Vrach. delo no. 1:19-22 Ja '63.

Concentrated sunlight in the treatment of some dermatoses. U. B. Berdybaev, K. D. Gorina, Zdrav. Kazakh. 22 no. 11:47-50 '62.

Use of royal jelly preparation in the form of an aerosol for the treatment of eczema and other dermatoses. B. A. Somov, E. I. Abramova, Inform. biol. o mat. moloch. no. 3:120-123 '62.

SKIN FRICTION (HYDRODYNAMICS) see Frictional resistance (Hydrodynamics)

SKIN GRAFTING

Structural changes in nervous formations of the skin in auto- and homotransplantations [in Georgian with summary in Russian]. G. V. Tskitskhvili, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:353-358 '62.

SKIS AND SKIING

(see also subdivision under Carpathian Mountains)
Helping the voluntary ski instructor. A. A. Volkov, Teor. i prak. fiz. kul't. 25 no. 12:47-50 D '62.

Improving the technique of various methods of skiing. N. G. Babashkin, Teor. i prak. fiz. kul't. 25 no. 12: 50-53 D '62.

Resheten', L. N., and A. V. Romanova, [Skiing sports in school; a practical manual for teachers] Lyzhnyi sport v shkole; posobie dlia uchitel'ev (iz opyta). Leningrad, Uchpedgiz, 1961. 135 p.

V. Hakulinen's training before the 1956 world championship. V. Shaposhnikova, O. El'vi, Teor. i prak. fiz. kul't. 25 no. 12:65-66 D '62.

SKOVORODNO DISTRICT—GEOLOGY, STRATIGRAPHIC

Recent data on Lower Carboniferous deposits of the middle Amur Valley. E. A. Modzalevskaya, A. I. Freidin, K. K. Gostintsev, Dokl. AN SSSR 148 no. 3: 672-675 Ja '63.

SKRYPAL', OLEKSANDR FEDOROVYCH, 1891-1934

"Hulle; a tale" by Oles' Dosvitni. Reviewed by Borys Burkatov, Ukraina no. 13:15 Ji '62.

SKULL

Comparative craniology of yellow-throated marten and fisher. V. N. Pavlinin, Trudy Inst. biol. UFAN SSSR no. 29:81-92 '62.

SKULL—ABNORMALITIES AND DEFORMITIES

Changes in the electrical activity of the cerebral cortex in craniostenosis. V. A. Kozzyrev, Probl. sov. netirokhir. 4:136-146 '62.
Kozzyrev, V. A. [Craniostenosis; clinical aspects and surgical treatment] Kraniostenoz; klinika i khirurgicheskoe lechenie. Leningrad, Medgiz, 1962. 174 p. (DNLM)

SKULL—WOUNDS AND INJURIES

Case of otogenic sepsis and multiple metastatic pulmonary abscesses in a patient with a skull injury. N. V. Toger, Zhur. uzh. i nos. i gorl. bol. 22 no. 4:81-82 Ji-Ag '62.
Use of neuroplegic and ganglioblocking agents in the treatment of craniocelebral injuries [with summary in English]. F. G. Uglov, G. D. Luchko, Vest. khir. 89 no. 11:63-69 N '62.

SKYHOOKS see Mine roof bolting

SLADKIY LIMAN REGION—BIRDS—EGGS AND NESTS

Artificial nests for ducks in Krasnodar Territory. N. S. Oleinikov, Ornitologiya no. 5:260-265 '62.

SLADKIY LIMAN REGION—DUCKS

Artificial nests for ducks in Krasnodar Territory. N. S. Oleinikov, Ornitologiya no. 5:260-265 '62.

SLAG

Deformation and strength properties of concretes made with binding materials based on fuel granulated slags. A. V. Volzhenskii, L. A. Il'enko, B. N. Vinogradov, Bet. i zhel.-bet. 8 no. 12:540-553 D '62.
Effect of basicity on the rate of iron reduction from molten slags by solid carbon. V. V. Kondakov, D. I. Ryzhonkov, Izv. vys. ucheb. zav.; chem. met. 6 no. 1:17-21 '63.

Gulunov, V. S. [Operation of soaking pits with liquid slag removal] Rabota nagrevatel'nykh kolodisev pri zhidkom shlakoudalenii, Moskva, Metallurgizdat, 1962. 110 p.

Kovtun, I. P. [Activated mortars, concretes, and products made of blast-furnace slags] Aktivizirovannyi rastvory, betony i izdeliia iz domennykh shlakov. Pod red. M. I. A. Latasha, Kiev, Gosstroizdat, USSR, 1962. 134 p.

New procedure for the treatment of slags. Stal' 23 no. 2:190 F '63.

Nonautoclaved, insulating, foamed concrete made with phosphorus slag. I. S. Limanskaya, Stroi. mat. 9 no. 2:25-26 F '63.

Possibilities of using acid blast-furnace and open-hearth waste slags for the production of cellular concretes. L. M. Rozenfeld and others, Stroi. mat. 9 no. 2:26-28 F '63.

Refractories made from the waste slag from a nickel smelting. V. I. Akubov, L. L. Chermak, A. I. Vanzha, Tsement 29 no. 1:19 Ja-F '63.

Structural characters of the breakdown of lower oxides in slags. L. N. Rusakov, A. S. Dubrovina, Dokl. AN SSSR 149 no. 1:107-110 Mr '63.

Surface tension of iron and lime slags. U Din-fen' [Wu Ting-fen], A. F. Viskarev, V. I. Avoiskii, Izv. vys. ucheb. zav.; chem. met. 6 no. 1:27-33 '63.

SLAUGHTERING AND SLAUGHTERHOUSES

Methods for improving the transportation and keeping of cattle before slaughtering at meat combines. N. B. Tsirol'son and others, Zhivotnovodstvo 23 no. 6:25-27 Ja '61.

SLAVIC ANTIQUITIES see subdivision under Velkovyst

SLAVIC LANGUAGES—WORDS

Slavic names for the young of domestic animals. N. S. Shaposhnikova, Etim. issl. po rus. iaz. no. 3:73-77 '61.

SLAVIC LITERATURE—HISTORY AND CRITICISM

Leningrad, Universitet. [Development of realism in the Slavic literatures] Razvitiie realizma v slavyanskikh literaturakh; sbornik statoi. [Leningrad] Izd-vo Leningr. univ., 1962. 138 p.

SLAVIC STUDIES see subdivision under Germany, West

SLEEP

Effect of medication sleep on bile secretion and the quantity of bilirubin [in Georgian with summary in Russian]. N. V. Petriashvili, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:289-297 '62.

Effect of natural sleep on the final stage of dark adaptation [with summary in English]. N. E. Shvinka, Vest. LGU 18 no. 3:127-132 '63.

SLEEP—WALKING see Somnambulism

SLEIGHS AND SLEDGES

Effect of thermal conductivity of solids on the change of friction coefficients during sliding on ice and snow. M. M. Korunov, Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:63-66 '62.

SLOVAKIA—KARST

Karst of southern Slovakia. Stanislav Habera, Priroda 52 no. 2:110 '63.

SLYUDYANKA—RUNOFF

Akademiia nauk SSSR, Sibirskoe otdelenie, Institut zemnoi kory. [Mudflow in Slyudyanka in the Lake Baikal region, June 20, 1960] Selevoi pavodok v g. Slyudanko na Baikale 20 iunia 1960 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 70 p.

SLYUDYANKA REGION—PHLOGOPITE

Regularities in the distribution of commercial micatization in the Slyudyanka phlogopite deposit. N. A. Viskavnykh, V. N. Anichukovskii, Razvod. i okh. nedr. 29 no. 1:21-26 Ja '63.

SMALLPOX IN ANIMALS

Comparative evaluation of the effectiveness of some medicinal substances in treating smallpox of the udder in cows. V. Sokolov, Sbor. stud. nauch.-issl. rab. VSKH 1 no. 1:107-109 '62.

SMEETING

Development and prospects of using electronic smelting systems. M. I. A. Smolenskii, L. G. Tkachev, Vest. elektroprom. 34 no. 2:32-35 F '63.

SMIRNOV, ALEKSANDR ALEKSANDROVICH, 1863-1962

A. A. Smirnov; an obituary. Vest. LGU 18 no. 2:159-160 '63.

SMOLENSK—CHASTUSHKI

Sidel'nikov, V. M., comp. [Refrains of Smolensk] Smolenskoe pripevki. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 105 p. (MH)

SMOLENSK—COMMUNITY CENTERS

Put cultural institutions under communal management. IU, Kallina, Klub 11 no. 6:13 Je '62.

SMOLENSK—LECTURES AND LECTURING

There were no questions... N. Pechnikov, Part. zhizni' no. 5:46-47 Mr '63.

SMOLENSK PROVINCE—RURAL SCHOOLS

Erection of rural schools in Smolensk Province. G. Verstin, Sel'. stroi. 15 no. 3:Insert Mr '60.

SMOLYCH, IURII, 1900-

Piskunov, V. M. [The creative work of Iurii Smolych] Tvorchest' Iurii Smolycha, Kyiv, Radians'kyi pys'mennyk, 1962. 304 p. (IU)

SMUTS see subdivision under Azerbaijan; Caucasus; Kazakhstan

SNOW

(see also subdivision under Altai Mountain region; Bryansk Province; Lazarev Shelf Ice; Lazarev Station, Antarctica; Sunkar-Khayala Range; Ural Mountains)

Accumulation of snow in the precipitation gauge during surface storms. N. P. Rusin, Trudy GGO no. 129: 118-121 '62.

- SNOW (Continued)**
Shul'gin, A. M. [Snow cover and its use in agriculture] *Snezhnyi pokrov i ego ispol'zovanie v sel'skom khoziaistve*. Leningrad, Gidrometeoizdat, 1962. 82 p. (DNAL)
 Snow cover. E. A. Nefed'eva. *Priroda* 52 no. 2:126-127 '63.
- SNOW LINE**
 Position of the "365 level" over the territory of the U.S.S.R. and its relation to the glaciation. G. K. Tushinskiĭ, N. M. Mal'novskaya. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 9:5-9 '62.
- SNOW PLOWS**
 Vibratory snow-cutting and compressing machine. F. Pavlov, E. Savel'ev. *Avt. dor.* 25 no. 12:27-28 D '62.
- SNOW REMOVAL**
 Unsuccessful poster on road maintenance in winter. Dubkov. *Avt. dor.* 25 no. 12:29 D '62.
- SOAKING PITS** see Furnaces, Heating
- SOARING FLIGHT** see Gliding and soaring
- SOCCER**
 (see also subdivision under Uzbekistan)
Arkad'ev, B. A. [Tactics of a soccer game] *Taktika futbol'noi igry*, 3. perer. i dop. izd. Moskva, Izd-vo "Fizkul'tura i sport", 1962. 166 p.
 Soccer and... space. A. Vit. *Sov. Soizuz* no. 9:56 '62.
 This time it is Kotrikadze. M. Merzhanov. *Ogonek* 40 no. 51:24-25 D '62.
- SOCHI—AIRLINES**
 Flight pass. P. Arkhipov. *Grazhd. av.* 19 no. 12:23 D '62.
- SOCHI—JOURNALISM**
 You are fortunate, O City of Sochi. M. Petrov. *Sov. pech.* no. 8:11-12 Ag '62.
- SOCHI—SERVICE INDUSTRIES**
 In Sochi on the sea. I. A. Sokolov. *Mest. prom. i khud. promys.* 3 no. 1:11 Ja '63.
- SOCHI—VISITORS, FOREIGN**
 The fruits of our friendly contacts. I. Zaitsev. *Sov. deput. trud.* no. 3:106-108 Mr '63.
- SOCIAL CLASSES**
 From class differentiation to social homogeneity [with summary in English, p. 183]. G. E. Glezerman. *Vop. filos.* 17 no. 2:39-49 '63.
- SOCIAL GROUP WORK** see subdivision under Kirovograd region; Kolovsk District; Ukraine; Uzbekistan
- SOCIAL HYGIENE** see Public health
- SOCIAL INSURANCE** see Insurance, Social
- SOCIAL PROBLEMS** see subdivision under Odessa
- SOCIAL PSYCHOLOGY**
 Problems of peace and health. V. S. Grazhdul'. *Zdrav. Ros. Feder.* 7 no. 1:29-34 Ja '63.
- SOCIAL SCIENCE RESEARCH**
 (see also subdivision under Uzbekistan; White Russia)
 Problems in the development of social sciences during the large-scale building of communism. V. Ushakov. *Nov. i noveish. ist.* no. 6:178-180 '62.
- SOCIAL SCIENCE RESEARCH—CONGRESSES**
 Progress of science and technology is at the center of attention. A. A. Glukhov, A. N. Proskurin. *Vest. vys. shkoly* 21 no. 2:77-80 F '63.
- SOCIAL SCIENCES** see subdivision under India
- SOCIAL SCIENCES—BIBLIOGRAPHY** see Bibliography—Social sciences
- SOCIAL SCIENCES—CONGRESSES**
 Contribution of the social sciences to agriculture. G. A. Chigrinov. *Vest. vys. shkoly* 21 no. 2:80-82 F '63.
- SOCIAL SCIENCES—STUDY AND TEACHING**
 Combining the study of the foreign policy of the U.S.S.R. with courses in history and social science. Sh. T. Kiperman. *Prep. ist. v shkole* 18 no. 1:28-38 Ja-F '63.
 Conducting a seminar on the "social science" course. T. G. Ialtyr'. *Prep. ist. v shkole* 18 no. 1:12-13 Ja-F '63.
 Courses in social sciences for Moscow teachers. *Prep. ist. v shkole* 18 no. 1:8 Ja-F '63.
 Decisions of the November Plenum of the Central Committee are an outstanding contribution to the science of communism. *Vest. vys. shkoly* 21 no. 2:71-77 F '63.
 The great educational significance of the new course. R. N. Vorob'eva. *Prep. ist. v shkole* 18 no. 1:16-17 Ja-F '63.
 Let's base our teaching on a knowledge of life. E. F. Boborykina. *Prep. ist. v shkole* 18 no. 1:14-15 Ja-F '63.
- Let's make a closer connection between the new course, life and work. E. M. Markos. *Prep. ist. v shkole* 18 no. 1:9-10 Ja-F '63.
 Let's reinforce and make concrete the knowledge of students. A. M. Frumkin. *Prep. ist. v shkole* 18 no. 1:14 Ja-F '63.
 Let's vary the methods of students' independent work. L. M. Barbolina. *Prep. ist. v shkole* 18 no. 1:13-14 Ja-F '63.
 Model planning of the study of history of the U.S.S.R., modern history and the "Fundamentals of political science" in graduating classes in the 1962-1963 school year. *Prep. ist. v shkole* 17 no. 6:33-38 N-D '62.
 Our land follows Lenin's course in its movement toward communism. *Prep. ist. v shkole* 18 no. 1:3-6 Ja-F '63.
 Relationship between the study of history and the "Fundamentals of political science" in the graduating classes of secondary schools in the 1962-1963 school year. *Prep. ist. v shkole* 17 no. 6:92 N-D '62.
 Seminar of the heads of the history study groups of the advanced training institutes for teachers. *Prep. ist. v shkole* 18 no. 1:7-8 Ja-F '63.
 Seminar work in social science lessons. E. Boiarskaia. *Prep. ist. v shkole* 18 no. 1:10-12 Ja-F '63.
 Significance of the general biology course for the study of social sciences. M. I. Mel'nikov. *Prep. ist. v shkole* 18 no. 1:39-45 Ja-F '63.
- SOCIAL SCIENCES—TEXTBOOKS**
 Social science textbook. *Prep. ist. v shkole* 18 no. 1:18-28 Ja '63.
- SOCIALIST COMPETITION**
 (see also subdivision under Armenia; Ivanovo; Kazakhstan; Mongolia)
 Administrator's honor. N. Ivanov. *Sov. profsoiuzy* 19 no. 2:6-7 Ja '63.
 The beacon's lights are shining far! *Agitator* no. 3:9 F '63.
 "Charish the honor of the grain grower," an article by Hero of Socialist Labor N. G. Zaglad. *Koop. Kazakh.* 5 no. 10:11 O '62.
 A collective agreement is a guide to action. E. Abramov. *Zhil. -kom. khoz.* 12 no. 8:14 Ag '62.
 The communist labor movement. V. Lopaksin and others. *Den. i kred.* 21 no. 2:51-56 F '63.
 The communist labor movement and utilization of the hidden potentialities of production. A. Sergeev. *Sots. trud* 8 no. 2:3-11 F '63.
 Competition for the title of communist labor. *Poligr. proizv.* no. 1:77-8 N '62.
 Develop the sprouts of the new, communist attitude toward work in every way possible. *Fin. SSSR* 37 no. 2:3-7 F '63.
 Letters, information, comments. *Agitator* no. 4:53-54 F '63.
 Pass progressive practice from one worker to another and from plant to plant. I. Golopetrov. *Sov. profsoiuzy* 19 no. 5:4-5 Mr '63.
 Publicity, comparability, encouragement. A. Ermakov. *Grazhd. av.* 19 no. 12:5-6 D '62.
 Signs of our time. P. Maiskii. *Fin. SSSR* 37 no. 2:8-11 F '63.
 "Socialist competition and labor productivity" by V. M. Kosachev. Reviewed by P. Petrov. *Sots. trud* 8 no. 1:45-146 Ja '63.
 Span bridges across gulfs. B. Andreev. *Sov. profsoiuzy.* 19 no. 2:4-5 Ja '63.
 Unfolding of the struggle for the achievement of the yearly plan. I. Simikov and others. *Mest. prom. i khud. promys.* 4 no. 2:1 F '63.
 We value our brigade's honor. I. Kukhtin. *Nar. khoz. Kazakh.* 20 no. 11:67-69 N '62.
- SOCIALIST PARTIES**
 The 50th anniversary of the Basel Congress of Socialists. M. A. Abdrakhmanov. *Vop. ist. KPSS* 7 no. 1:153-155 Ja '63.
- SOCIALIST PARTY** see subdivision under Germany; Switzerland
- SOCIALIST REALISM**
 The art of socialist realism. V. Ivanov. *Kommunist* 39 no. 5:72-82 Mr '63.
Vol'kov, I. F. [Socialist realism] *O sotsialisticheskom realizme*. Moskva, Iskusstvo, 1962. 94 p. (MH) (RPE)
- SOCIOLOGY**
 The reactionary theory of "united industrial society." IU. Zamoshkin. *Kommunist* 39 no. 4:106-109 Mr '63.
 Why bourgeois sociologists negate the principles of social development [in Georgian with summary in Russian]. O. I. Dzhtoev. *Trudy Inst. filos. AN Gruz. SSR* 11:21-32 '62.
- SOCIOLOGY—CONGRESSES**
 [The Fifth International Sociological Congress] V. Mezhdunarodnyi sotsiologicheskii kongress. Moskva, Izd-vo "Znanie," 1963. 48 p. (Novoe v zhizni, nauke, tekhnike. II Seriya: Filosofiya, no. 4)
- SOCIOMETRY**
 Studying the interrelations of students by sociometric methods. I. A. L. Kolominskii, A. I. Rozov. *Vop. psikhol.* no. 6:160-167 N-D '62.
- SOCKEYE SALMON** see subdivision under Bristol Bay
- SODIUM—ANALYSIS**
 Using the method of flame photometry for determining potassium and sodium content of sugar products. V. A. TSirkul'. *Trudy TSINS* no. 7:74-96 '60.
- SODIUM ALUMINUM HYDRIDE—THERMAL PROPERTIES**
 Thermal stability of sodium aluminum hydride. T. N. Dymova, N. G. Eliseeva, M. S. Selovokhina. *Dokl. AN SSSR* 148 no. 3:589-590 Ja '63.
- SODIUM CARBONATES**
 Solubility in the system $\text{Li}_2\text{CO}_3 - \text{Na}_2\text{CO}_3 - \text{H}_2\text{O}$ at 50° and 100°C. L. S. Itkina, N. M. Chaplygina. *Zhur. neorg. khim.* 7 no. 12:2793-2800 D '62.
- SODIUM CHLORIDE**
 Effect of sodium chloride on the lactic acid bacteria in the dough. B. I. A. Golant, Khleb. i kond. prom. 7 no. 1:40 Ja '63.
- SODIUM METABOLISM**
 Activation of sodium excreting cells in the gills of humpback salmon and chum adapting to the life in sea water. IU. V. Natchin, G. D. Bocharov. *Vop. ikht.* 2 no. 4:687-692 '62.
- SODIUM SULFATES**
 Effect of radioactive radiation from $\text{Na}_2^{35}\text{SO}_4$ and $\text{Na}_2^{35}\text{SO}_4$ on the phase transitions of these compounds. I. E. Mikhailenko, Vikt. I. Spitsyn. *Dokl. AN SSSR* 149 no. 3: 613-616 Ja '63.
- SODIUM TITANATE**
 Interaction of sodium titanates with sodium vanadates in melts. I. N. Beltaev, T. G. Golovanova, Zhur. neorg. khim. 7 no. 12:2700-2701 D '62.
- SODIUM TUNGSTATES**
 Effect of radioactive radiation from $\text{Na}_2^{35}\text{WO}_4$ and $\text{Na}_2^{35}\text{WO}_4$ on the phase transitions of these compounds. I. E. Mikhailenko, Vikt. I. Spitsyn. *Dokl. AN SSSR* 148 no. 3: 613-616 Ja '63.
- SODIUM VANADATES**
 Interaction of sodium titanates with sodium vanadates in melts. I. N. Beltaev, T. G. Golovanova, Zhur. neorg. khim. 7 no. 12:2760-2761 D '62.
- SOFT DRINKS**
 In the enterprises of the food industry. M. Chechukovskii, V. Kul'nev. *Mest. prom. i khud. promys.* 4 no. 3:28 F '63.
- SOFT DRINKS—BIBLIOGRAPHY** see Bibliography—Soft drinks
- SOGIANS** see subdivision under Kashka-Dar'ya Valley
- SOIL, PODZOLIC** see Podzol
- SOIL ACIDITY**
 (see also subdivision under Russia, Northwestern)
 Some physiological and biochemical characteristics of the development of wheat and barley varieties as related to the reaction of soils [with summary in English]. M. F. Kornilov, Z. V. Trunina. *Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:223-236 '60.
- SOIL CHEMISTRY** see subdivision under Forgan
- SOIL CONDITIONERS**
 Synthesis of polymeric soil conditioners. M. N. Savitskaya, IU. D. Kholodova, V. I. A. Beletskaya. *Nauch. trudy Ukr. nauch.-issl. inst. fiziol. rast.* no. 23:200-204 '62.
- SOIL FERTILITY**
 (see also subdivision under Darwin Preserve)
 Effect of tillage methods on the fertility of eroded soils. I. A. Skachkov, M. I. Suchalkina, V. I. Petrova. *Sbor. nauch. rab. Nauch.-issl. inst. sel'khoz. TSentr.-chern. pol.* 2 no. 1:55-66 '60.
 Immediate tasks in studying soil fertility and ways for its increase. A. V. Sokolov and others. *Pochvovedenie* no. 1:8-20 Ja '63.
- SOIL FORMATION** see subdivision under Belaya Valley (Bashkiria); Katsardino-Balkar A. S. S. R.
- SOIL MECHANICS**
 (see also subdivision under Kherson)
 Classification of swamps for road construction purposes. A. A. Tkachenko. *Izv. vys. ucheb. zav. i les. zhur.* 5 no. 5:55-62 '62.
 Compressibility of soils under dynamic loads. G. M. Liakhov. *PMTE* no. 1:121-124 Ja-F '63.
 Deformations of the contour of a vertical slope. T. A. Malikova. *Osn., fund. i mekh. grun.* 4 no. 1:7-10 '62.

SOIL MECHANICS (Continued)

- Determining lateral thrust in single-axle dynamic deformation of soil. N. A. Alekseev. [Trudy] NIi osn. no. 51:42-47 '62.
- Direct experimental method of constructing impact diagrams of soil compression. I. I. Grimza. [Trudy] NIi osn. no. 51:48-57 '62.
- Fedorov, I. V. [Methods of calculating the stability of slopes] Metody rascheta ustoychivosti sklonov i otkosov. Moskva, Gosstroizdat, 1962. 201 p. (Gidrotekhnicheskoe sooruzheniia)
- Laboratory apparatus for determining elastic and dissipative properties of soil using a dynamic method. O. I. A. Shekhter and others. [Trudy] NIi osn. no. 51:58-67 '62.
- Maslov, V. N. [Method of limiting equilibrium in the design of slopes of earth structures for strength] Metod predel'nogo ravnovesiia v raschete otkosov zemlianykh sooruzhenii na prochnost'; tochnoe roshenie. Moskva, Gosenergoizdat, 1958. 30 p. (Prilozhenie k zhurnal "Gidrotekhnicheskoe stroitel'stvo")
- Percolation and capillary properties of soils under vacuum [with summary in English]. B. M. Degtiarev. Inzh.-fiz. zhur. 5 no. 12:54-58 D '62.
- The problem of determining indices of shear resistance and compressibility of cohesive soils according to their physical properties. S. N. Egorov. Osn., fund. i mekh. grun. 4 no. 1:25-28 '62.
- Standard and calculated characteristics of cluvial clayey soils. V. B. Shvets. Osn., fund. i mekh. grun. 4 no. 1:28-29 '62.
- Using the density-humidity method in determining resistance. N. N. Maslov, V. D. Kazarnovskii. Avt. dor. 25 no. 12:19-21 D '62.

SOIL MECHANICS—BIBLIOGRAPHY see Bibliography—Soil mechanics

SOIL MECHANICS—CONGRESSES

- List of the reports presented at the Fifth International Congress on Soil Mechanics and Foundation Engineering, Paris, July 1961. Osn., fund. i mekh. grun. 4 no. 1:32-33 '62.

SOIL MOISTURE

- Moisture evaporation from secondary turf-podzolic soils in the Darwin Preserve. S. A. Vladychenski, L. V. Iakovleva, Liu Siao-[Liu Hsiao-i]. Trudy DGT no. 7:71-85 '61.
- Soil moisture and suction force of the leaves of woody plants. V. F. Rii. Trudy Brian, tekhn. inst. 9:285-289 '60.
- Soil moisture as related to tillage. V. P. Baiko, L. A. Frokina. Sbor. nauch. rab. Nauch.-issl. inst. sel'. khoz. Tsent. -chern. pol. 2 no. 1:27-35 '60.
- V. V. Rakhmanov's article. A. A. Rode. Pochvovedenie no. 1:110-112 Ja '63.
- Vysotskii, G. N. [Selected works] Izbrannye sochineniia. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Studies on soils and soil moisture] Pochvennyye i pochvenno-gidrologicheskie raboty. 1962. 398 p. (DNAL)

- Water stability of soils [with summary in English]. V. I. Bobchenko. Pochvovedenie no. 12:86-91 D '62.

SOIL MICRO-ORGANISMS

- (see also subdivision under Chashnikovo region; Dobrinka District, Lipetsk Province; Moldavia)
- Decomposition of organic-mineral compounds in Podzolic soils [with summary in English]. T. V. Aristovskaya. Pochvovedenie no. 1:30-43 Ja '63.
- Microflora of plants and soils. T. A. Vasil'eva. Izv. AN Mold. SSR no. 7:14-19 '62.
- Mineralization of phosphorus organic compounds by some soil micro-organisms. V. V. Kolelev, E. A. Mekhtieva, V. I. Smirnov. Izv. AN Mold. SSR no. 7:34-42 '62.

SOIL MOISTURE see subdivision under Kayrak-Kum Reservoir

SOIL PERCOLATION

- (see also subdivision under Darwin Preserve; Kakhovka Hydroelectric Power Station)
- The relation between the coefficient of permeability and the specific resistance of sand-clay strata. V. A. Shemshurin. Gidr. strol. 32 no. 9:36-38 S '62.
- Water permeability of turf-podzolic soils. V. A. Chernishov. Biol. nauch.-tekhn. inform. SZNISKH no. 3:19-22 '58.

SOIL PHYSICS

- Effect of the mineral composition of clay soils on their properties [with summary in English]. N. I. A. Kharkhuta, I. M. Vasil'ev. Inzh.-fiz. zhur. 6 no. 2:38-43 F '63.

SOIL PHYSICS—TERMINOLOGY

- Work of the International Committee on the Terminology in the Field of Soil Physics. A. A. Rode. Pochvovedenie no. 12:100-104 D '62.

SOIL RESEARCH

- Bursova, A. I. [Field soil research] Issledovanie pochv v prirode; posobie dlia studentov lesokhoziaistvennogo fakul'teta. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1961. 142 p.

SOIL RESEARCH—CONGRESSES

- From the 1st to the 2d Congress of Soil Science Delegates. K. P. Gorshenin. Pochvovedenie no. 1:5-7 Ja '63.
- Resolution of the Second Congress of Soil Science Delegates of the U. S. S. R. Pochvovedenie no. 1:102-104 Ja '63.
- Second Congress of Soil Science Delegates. I. V. Aleksandrova and others. Pochvovedenie no. 1:93-102 Ja '63.

SOIL SCIENCE—DICTIONARIES

- Akademii nauk Azerbaidzhanskoi SSR, Baku. Terminologicheskii komitet pri Prezidiume. [Dictionary of terms in soil science and agricultural chemistry] Slovar terminov po pochvovedeniiu i agrokhemii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 76 p. [In Russian and Azerbaijani]

SOIL STABILIZATION

- (see also subdivision under Soviet Central Asia; Virgin Territory)
- For wide introduction of soil stabilization into construction practice. B. A. Rzhantayn. Osn., fund. i mekh. grun. 4 no. 1:1-2 '62.
- One-dimensional problem of the compaction of saturated soil with its varying characteristics. V. G. Korotkin, D. M. Tarakovsky. Gidr. strol. 32 no. 8:34-36 S '62.
- Study of soil density in the body of earth piles made with an experimental model of a new machine. V. G. Galitskii. Osn., fund. i mekh. grun. 4 no. 1:18-19 '62.
- Swelling of Sierozem (Gray desert soil) treated by artificial soil aggregation agents. S. S. Khamraev, E. A. Arifov, K. S. Akhmedov. Uzb. khim. zhur. 6 no. 6:11-17 '62.
- Theory of the surface compaction of soil. D. D. Barkan, O. I. A. Shekhter. [Trudy] NIi osn. no. 51:5-26 '62.

SOIL STRUCTURE

- Water stability of soils [with summary in English]. V. I. Bobchenko. Pochvovedenie no. 12:86-91 D '62.

SOILS

- (see also subdivision under Chashnikovo region; Kiyaz'ma Valley; Moskva Valley; Siberia; Siberia, Eastern; Siberia, Western; Tain District)
- Preface. V. A. Kovda, G. V. Dobrovol'skii. Polm. poch. rus. rev. no. 1:3-8 '62.
- Toward new successes in the field of agriculture and forestry in 1963. Pochvovedenie no. 1:3-4 Ja '63.
- Vysotskii, G. N. [Selected works] Izbrannye sochineniia. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Studies on soils and soil moisture] Pochvennyye i pochvenno-gidrologicheskie raboty. 1962. 398 p. (DNAL)

SOILS—ABSTRACTS

- [Soil science] Ref. zhur.: Pochv. nos. 1-3 Ja-F '63.

SOILS—ANALYSIS

- (see also subdivision under Baraba Steppe; Darwin Preserve)
- Chemical analysis of soil under school conditions. I. I. Klimov, K. D. Fevralov, V. A. Karpov. Shkola i prosv. 8 no. 9:73-77 S '62.
- Results of using a mechanized drill for vibration drilling in some soils of the Volga-Akhutba Flood Plain (designed by the All-Union Scientific Research Institute of Hydro-Engineering and Land Reclamation). V. P. Bobkov. Pochvovedenie no. 1:91-92 Ja '63.

SOILS—BIBLIOGRAPHY see Bibliography—Soils

SOILS—CLASSIFICATION see subdivision under Siberia

SOILS—IRON CONTENT

- Iron-humus complexes of some soils [with summary in English]. N. A. Titova. Pochvovedenie no. 12:38-43 D '62.

SOILS—LIMING see Liming of soils

SOILS—MAPS see subdivision under Russia, North-western

SOILS—NITROGEN CONTENT

- (see also subdivision under Russia, Northwestern)
- Effect of organic fertilizers on the formation of humus and nitrogen balance in loamy turf-podzolic soils [with summary in English]. V. K. Mikhovskii, P. N. Vysochanskii, L. V. Kotova. Pochvovedenie no. 12:61-67 D '62.

SOILS—PHOSPHORUS CONTENT

- Changes in the phosphate level of loamy turf-podzolic soils under the effect of plants [with summary in English]. A. N. Gavrilova. Pochvovedenie no. 12:83-86 D '62.

SOILS AND CLIMATE see subdivision under Russia, Northern

SOKOLJANSKII, IVAN AFANAS'EVICH, d. 1960

- In memory of I. A. Sokoljanskii. V. Ivanov. Mash. perev. i prikl. ling. no. 5:80-82 '61.

SOKOL'SKII, V. D., d., 1959

- A letter to the editor. Vop. Ist. KPSS 7 no. 1:158 Ja '63.

SOLAR RADIATION

- (see also subdivision under Arctic regions; Baksan River; Chita Province; Leningrad Province; Tselinograd District)
- Anomalies in the cyclic rate of solar activity and the tendencies of current climatic variations. L. A. Vitel's, Trudy GGO no. 133:55-54 '62.
- Characteristics of the scattering of solar radiation in opaque ice. K. S. Ljubimirova. Inform. sbor. o rob. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 9:145-155 '62.
- Development of a theory on the interaction of solar corpuscular streams with the earth's atmosphere. B. I. Sazonov. Trudy GGO no. 133:107-118 '62.
- Measurement accuracy of radiation balance by thermoelectric balance meters. K. D. Lebedeva, S. I. Sivkov. Trudy GGO no. 129:3-30 '62.
- [Ultraviolet solar radiation and the interplanetary medium. Translated from the English. Preface by G. M. Nikol'skii] Ultravioletovoe izluchenie solntsa i mezplanetnaia sreda. Moskva, Izd-vo Inostr. lit-ry, 1962. 431 p.
- Use of mechanization in processing actinometric observations. Z. I. Pivovarov, V. A. Maniugina. Trudy GGO no. 129:31-39 '62.
- Using thermoelectric balance meters with a polyethylene filter for measuring the radiation balance. V. P. Bardina. Trudy GGO no. 129:146-148 '62.

SOLAR RADIATION—PHYSIOLOGICAL EFFECT

- Concentrated sunlight in the treatment of some dermatoses. U. B. Berdybaev, K. D. Gorina. Zdrav. Kazakh. 22 no. 1:47-50 '62.

SOLDER AND SOLDERING

- Effect of tin on the properties of copper solder. V. F. Kulikov, G. V. Kisilevich-Kelovich, A. A. Nikolaev. Svar. prozv. no. 2:14-16 F '63.
- Alkovey, N. F. [Soldering, tinning, and electrolytic coating] Palka, luzhenie i gal'vantscheskie pokrytiia. Pod red. A. M. Dmitroviicha; Minsk, Gos izd-vo BSSR, Red. proizvodstvennoi lit-ry, 1962. 148 p. (Biblioteka alessaria, no. 3)
- Recommended testing methods of and symbols for filler metals used in soldering (from materials of the International Institute of Welding MIS-63-60 (1-137-60). MIS-65-60 (1-138-60). Svar. prozv. no. 1:42-44 Ja '63.
- Solder activation for stainless steels. N. F. Lashko, S. V. Lashko. Svar. prozv. no. 2:17-19 F '63.
- A solder with rosin. G. P. Lazarevich. Avtom., telem. i sviaz' 6 no. 7:42-43 Ji '62.
- SOLDERS AND SOLDERING—EQUIPMENT AND SUPPLIES
- Chichmarov, G. P. [Contact jaw for the soldering of copper. Semi-automatic conveyor for the soldering of glass insulators] Kontaknaya mashina dlia palki med. Konveier-poluavtomat dlia palki steklannykh izolatorov. [By] A. F. Maliuga. Moskva, Filial Vses. in-ta nauch. tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-68-189/17)

SOLDIERS

- Moshkin, I. [Personal responsibility of a soldier for the defense of his native land] Lichnaia otvetsvennost' voina za zashchitu Rodiny. Moskva, Voen. izd-vo M-vn obor. SSSR, 1955. 50 p.
- [The soldier serves his native land] Sluzhit Rodine soldat. Moskva, Izd-vo "Pravda," 1962. 62 p. (Biblioteka "Komsomol'skoi pravdy," no. 2)

SOLFEGGIO see Sight singing

SOLID SOLUTIONS see Solutions, Solid

SOLIDIFICATION

- Investigating the solidification of large ingots of rectangular cross-section. E. M. Gol'dfarb and others. Stal' 23 no. 1:22-25 Ja '63.

SOLOKHA—ART OBJECTS, CLASSICAL

- Mantsevich, A. P. [Golden comb from the Solokha burial mound] Zolotoi greben' iz kurgana Solokha. Leningrad, Izd-vo Gos. Ermitazha, 1962. 9 p. illus. [Parallel texts in Russian and French]

SOLONCHAK SOILS see subdivision under Arazdayan Steppe

SOLUBILITY

- Interaction of components in the systems type MeNO₃ - UO₂(NO₃)₂ - H₂O. M. I. Akinov and others. Radiokhimiia 5 no. 1:73-80 '63.
- Mutual solubility in the systems uranyl perchlorate - water - diethyl ether and uranyl perchlorate - water - di-n-butyl ether at 25°C. V. M. Vdovenko and others. Radiokhimiia 5 no. 1:80-89 '63.
- Radiochemical investigation of the solubility of silver halides and their analogy with monovalent thallium halide. V. E. Mironov. Radiokhimiia 5 no. 1:110-125 '63.

SOLUBILITY (Continued)

Solubility in the system $\text{Li}_2\text{CO}_3 - \text{Na}_2\text{CO}_3 - \text{H}_2\text{O}$ at 50° and 100°C. L. S. Itkina, N. M. Chaplygina. Zhur. neorg. khim. 7 no. 12:2793-2800 D '62.
State of tantalum (V) in solutions of nitric, hydrochloric, and sulfuric acids. B. I. Nabivanets. Zhur. neorg. khim. 7 no. 12:2739-2745 D '62.

SOLUBLE GLASS—TESTING

Determination of soluble glass ratio by the pH value. I. U. P. Vasin, A. P. Nikiforov. Lit. proizv. no. 7:38 J1 '62.

SOLUTION (CHEMISTRY)

Solubilization of metallic Rh and Ir and their alloys. M. Ballka, V. I. Baranovskii, M. K. Nikitin. Zav. lab. 29 no. 1:35 '63.

SOLUTIONS, SOLID

Decay of solid solutions of niobium and titanium in chromium. N. V. Ageev, M. S. Model'. Dokl. AN SSSR 148 no. 1:84-85 Ja '63.
Determining the temperature and concentration dependences of the short-range order parameters for an n-component unordered solid solution [with summary in English]. I. U. N. Kurushin, A. N. Men'. Ukr. fiz. zhur. 6 no. 2:175-179 F '63.
Transformations in the solid state in iron-manganese alloys. E. M. Sokolovskats, A. T. Grigor'ev, I. U. F. Altunin. Zhur. neorg. khim. 7 no. 12:2808-2811 D '62.

SOLUTIONS, SUPERSATURATED

Initial stages of decomposition of a supersaturated solid solution in an alloy-type alloy. L. M. Magat. Fiz. met. i metalloved. 15 no. 1:80-82 Ja '63.

SOLVATION

Solvation of uranyl chloride by tri-n-butyl phosphate. V. M. Vdovenko, A. A. Lipovskii, S. A. Nikitina. Radiokhimiya 5 no. 1:139-141 '63.

SOLVENTS

Effect of the solvent on the position and intensity of bands in infrared molecular spectra. O. P. Girin, N. G. Bakshiev. Usp. fiz. nauk 78 no. 2:235-262 F '63.
Problem of the structure of solutions of nonelectrolytes. G. A. Krestov. Zhur. strukt. khim. 4 no. 1:18-21 Ja-F '63.

SOLZHENITSYN, ALEKSANDR ISAEVICH, 1918-

A new name in Soviet literature. P. Kosolapov. Sots. kul't. no. 2:40 F '63.

SOMNAMBULISM

Answering our readers' questions. Ukraina no. 13:29 J1 '62.

SONGS—BIBLIOGRAPHY see Bibliography—Songs

SORBITOL

Hexitol anhydride with a β -ring-1,3-anhydro-2,4-methylene-5,6-dimethyl-D-sorbitol. G. E. Ustuzhanin, N. S. Tikhomirova-Sidorova, S. N. Danilov. Zhur. ob. khim. 33 no. 2:453-457 F '63.

SORGHUM

(see also subdivision under Apheron Peninsula; Caucasus, Northern)
Sowing legumes along with sugar sorgho as a stubble crop. P. F. Oleinik. Zhivotnovodstvo 23 no. 6:60-64 Je '61.

SORPTION

Sorption effects in measuring the activity of gaseous substances. V. A. Bazhenov, V. V. Bochkarev, T. N. Sokolova. Izv. tekh. no. 2:57-59 F '63.

SORTING DEVICES

Use of machinery in sorting onions. Z. Gorelik, T. Iakushev. Sov. torg. 36 no. 10:51-52 Q '62.

SOUTH AFRICA, REPUBLIC OF—BANTU LITERATURE

Periodization of Bantu literature in the Union of South Africa; initial period [with English summary, p. 260]. L. B. Saratovskaya. Nar. Az. i Afr. no. 1:117-126 '63.

SOUTH AFRICA, REPUBLIC OF—COMMUNIST PARTY

South Africa's road toward freedom; the program of the South African Communist Party. Kommunist 39 no. 4: 81-93 Mr '63.
The struggle for a bright future. I. U. Ivanov. Agitator no. 5:28-30 Mr '63.

SOUTH AFRICA, REPUBLIC OF—NEGROES IN LITERATURE

"After the darkness of night comes the dawn" by L. B. Saratovskaya. Reviewed by B. Bulatov. Nar. Az. i Afr. no. 1:232-233 '63.

SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION

The "cold war" against the United Nations. A. Polishchuk. Az. i Afr. seg. no. 3:59 Mr '63.

SOUTH AFRICA, REPUBLIC OF—RACE QUESTION

South Africa's road toward freedom; the program of the South African Communist Party. Kommunist 39 no. 4: 81-93 Mr '63.

SOUTH AFRICA, REPUBLIC OF—WOMEN—RIGHTS OF WOMEN

Fate of a woman activist in the Republic of South Africa. Vsem. prof. dvizh. no. 2:44 F '63.

SOUTH KAZAKHSTAN PROVINCE see Chirchik Province

SOUTH KOREA see Korea, South

SOVIET BLOC see Communist countries

SOVIET CENTRAL ASIA—ANIMAL MIGRATION

Migration of marmots. D. I. Bibikov. Migr. zhiv. no. 3: 62-66 '62.

SOVIET CENTRAL ASIA—ANIMALS AS CARRIERS OF DISEASE

Conference on natural focuses of diseases. Vest. AN SSSR 33 no. 2:71-72 F '63.

SOVIET CENTRAL ASIA—ARABIC LANGUAGE—DIALECTS

International Congress of Orientalists. 23d, Cambridge, Eng., 1954. Delegation from the U.S.S.R. [Papers presented by the Soviet Delegation at the XXIII International Congress of Orientalists; Semitic studies] Doklady Sovetskoi Delegatsii na XXIII Mezhdunarodnom kongresse vostokovedov; sestralla semitologii. Moskva, Izd-vo Akad. nauk SSSR, 1954. 35 p. [In Russian and English]

SOVIET CENTRAL ASIA—BIRDS

New data on the distribution of some birds in the mountains of Central Asia. R. N. Meklenburtsiev. Ornitologiya no. 5:211-214 '62.

SOVIET CENTRAL ASIA—BIRDS IN WINTER

Special aspects of the wintering of birds in Southern Siberia. I. V. Zykov. Biol. v shkole no. 5:71-72 S-O '62.

SOVIET CENTRAL ASIA—DESERTS

Zvonkova, T. V. [Deserts come back to life] Pustyni ozhlivalut. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike, XII Seriya: Geologiya i geografiya, no. 3)

SOVIET CENTRAL ASIA—ECONOMIC CONDITIONS

Joint efforts of the fraternal republics. Kh. Azimov. Komm. Uz. 35 no. 1:45-50 Ja '63.

SOVIET CENTRAL ASIA—ETHNOLOGY

Akademiya nauk SSSR. Institut etnografi. [Peoples of Central Asia and Kazakhstan] Narody Srednei Azii i Kazakhstana. Pod red. S. P. Tolstova i dr. Moskva, Izd-vo Akad. nauk SSSR. (Narody mira; etnograficheskie ocherki) Vol. 1. 1962. 766 p.

SOVIET CENTRAL ASIA—FLEA BEETLES—EXTERMINATION

Some problems of the biology of flea beetles and their control in irrigated sugar beet regions of Kirghizistan and Kazakhstan. F. I. Markov. Shor. ent. rab. no. 1: 27-44 '62.

SOVIET CENTRAL ASIA—FOREST INSECTS

Willow stands of Kirghizistan and southern Kazakhstan as the ways of the expansion of boreal fauna into Central Asia. K. Ibrahimova. Shor. ent. rab. no. 1:15-9 '62.

SOVIET CENTRAL ASIA—FRUIT TREES

One site of the development of new forms of plants in Central Asia. S. E. Korovin. Biol. Glav. bot. sada no. 4:547-53 '62.

SOVIET CENTRAL ASIA—FRUIT TREES—DISEASES AND PESTS

Leafhoppers Typhlocyidae (Auchenorrhyncha) as fruit tree pests. I. D. Mitiaev. Shor. ent. rab. no. 1:45-54 '62.

SOVIET CENTRAL ASIA—GRAPHIC ARTS

Chegodanov, A. D. [Graphic artists of Uzbekistan, Kazakhstan, Kirghizistan, Tajikistan, and Turkmenistan; engraving, lithography, drawings, aquatints] Khudozhniki-grafiki Uzbekskoi, Kazakhskoi, Kirgizskoi, Tadzhikskoi, Turkmenskoi SSR; graviura, litografiya, risunek, akvarel'. Moskva, Sovetskii khudozhnik, 1962. 63 p. illus.

SOVIET CENTRAL ASIA—IRRIGATION

Tool for leveling levees cut for leaching irrigations and rice. V. G. Chernikov. Nauch. trudy UzNIIME no. 4: 3-6 '58.

SOVIET CENTRAL ASIA—LEAFHOPPERS

Leafhoppers Typhlocyidae (Auchenorrhyncha) as fruit tree pests. I. D. Mitiaev. Shor. ent. rab. no. 1:45-54 '62.

SOVIET CENTRAL ASIA—MARMOTS

Migration of marmots. D. I. Bibikov. Migr. zhiv. no. 3: 62-66 '62.

SOVIET CENTRAL ASIA—PLANARIA

Planarians of Central Asia. N. A. Porfir'eva. Uch. zap. Kaz. un. 120 no. 6:122-138 '60.

SOVIET CENTRAL ASIA—RECLAMATION OF LAND

Zvonkova, T. V. [Deserts come back to life] Pustyni ozhlivalut. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike, XII Seriya: Geologiya i geografiya, no. 3)

SOVIET CENTRAL ASIA—RIVERS

Water turbidity and the phases of the water regime of mountain rivers. O. P. Shcheglova. Izv. AN SSSR, Ser. geog. no. 1:81-95 Ja-F '63.

SOVIET CENTRAL ASIA—ROCKS, IGNEOUS

Recent data on the age of basement rocks of western Central Asia. V. S. Kniazev and others. Dokl. AN SSSR 148 no. 3:665-667 Ja '63.

SOVIET CENTRAL ASIA—SEISMOLOGY

Results of using seismologic data in studying the deeper structure of the earth's crust in Central Asia. V. I. Utiomov. Izv. AN SSSR, Ser. geofiz. no. 10:1307-1310 O '62.

SOVIET CENTRAL ASIA—SOIL STABILIZATION

Stabilization of earth-roadbed soils with artificial wetting in droughty regions of Central Asia. P. V. Sobolev. Avt. dor. 25 no. 8:16-17 Ag '62.

SOVIET CENTRAL ASIA—STOCK AND STOCKBREEDING

Effectiveness of the development of animal husbandry on irrigated lands in Central Asia. K. A. Agzamov, I. E. Skliar, V. I. Plavskii. Zhivotnovodstvo 23 no. 5:16-22 My '61.

SOVIET CENTRAL ASIA—SUGAR BEETS—DISEASES AND PESTS

Some problems of the biology of beet flea beetles and their control in irrigated sugar beet regions of Kirghizistan and Kazakhstan. F. I. Markov. Shor. ent. rab. no. 1: 27-44 '62.

SOVIET CENTRAL ASIA—VETERINARY HYGIENE—EQUIPMENT AND SUPPLIES

Shower bath for animals. A. A. Gordienko. Veterinarika 37 no. 7:80-81 J1 '60.

SOVIET CENTRAL ASIA—WATER RESOURCES DEVELOPMENT

Marching together toward one goal. I. U. Chaevskii. Part. zhizn' (Uzb.) 6 no. 1:36-41 Ja '63.

SOVIET CENTRAL ASIA—WILLOWS

Willow stands of Kirghizistan and southern Kazakhstan as the ways of the expansion of boreal fauna into Central Asia. K. Ibrahimova. Shor. ent. rab. no. 1:15-9 '62.

SOVIET CENTRAL ASIA—WOMEN—RIGHTS OF WOMEN

From the history of the emancipation of women in the Soviet East. Bibi Pal'vanova. Nov. vrem. 20 no. 10: 7-9 Mr '63.

SOVIET CENTRAL ASIA—YAKS

Yak raising; animal husbandry in mountainous regions of our country. E. A. Stradomskii. Priroda 52 no. 2: 101-103 '63.

SOVIET FAR EAST—FLATFISHES

"Reproduction and development of flatfishes in the Far Eastern seas of the U.S.S.R." by T. A. Portanova-Ostroumova. Reviewed by P. A. Molisev. Vop. ikht. 2 no. 4:752-754 '62.

SOVIET FAR EAST—GEOGRAPHICAL RESEARCH

Modern geography and its tasks in Siberia and the Far East. V. B. Sochava. Sib. geog. sbor. no. 1:5-10 '62.
Research on the geography of Siberia and the Far East. V. V. Vorob'ev. Sib. geog. sbor. no. 1:231-230 '62.

SOVIET FAR EAST—GEOGRAPHY—CONGRESSES

The Second Scientific Conference of the Geographers of Siberia and the Far East. N. V. Padeeva, B. S. Khorev. Izv. AN SSSR, Ser. geog. no. 1:148-153 Ja-F '63.

SOVIET FAR EAST—LAND SETTLEMENT

On the geography of the colonization and migration processes in the southern part of the Far East before the October Revolution. V. V. Pokhishchevskii. Sib. geog. sbor. no. 1:85-95 '62.

SOVIET FAR EAST—PLANARIA

Planarians of the Far East. Z. I. Zubasova-Zhdanova. Uch. zap. Kaz. un. 120 no. 6:112-121 '60.

SOVIET FAR EAST—RAILROADS—MAKING UP TRAINS

Computer center for the railroads of the Far East. V. I. Dmitrenko, A. G. Tikhchenko, E. I. Iakovlev. Zhel. dor. transp. 45 no. 2:80 F '63.

SOVIET FAR EAST—SOYBEAN

"Soybean culture in the Far East" by V. A. Zolotarevskii. Reviewed by N. N. Gildenstein. Masl. zhiv. prom. 29 no. 1:39-40 Ja '63.

SOVIET FAR EAST—SUBMARINE GEOLOGY

Basic features of the structure of the earth's crust under the Sea of Okhotsk and the Kurile-Kamchanka zone of the Pacific Ocean, based on deep seismic sounding data; results of the IGY. I. P. Kosminskaya and others. Izv. AN SSSR, Ser. geofiz. no. 1:20-41 Ja '63.

SOVIET UNION see Russia

SOVIETS

(see also subdivision under Chernobyl' District; Donetsk; Moscow; Rovno Province; Ukraine; White Russia)

Committee of deputies in action. M. Sitnikov, Kul't.-pres. rab. 23 no. 9:24-27 S '62.

The country gets ready for elections to the soviets. Agitator no. 2:3-5 Ja '63.

From the very outset the new soviets should adopt the methods of work. Sov. deput. trud. no. 3:3-6 Mr '63.

Guiding means helping and teaching. Sov. deput. trud. no. 3:50-52 Mr '63.

Let's resume our discussion of the work of temporary departments. IU. Kozlov. Sov. deput. trud. no. 3:59-64 Mr '63.

Notarial actions performed by the executive committees of village and settlement soviets. I. Pozubenko, V. Kharugin. Rad. pravo no. 5:97-98 S-O '62.

"Notarial functions of village and settlement soviets" by I. M. Il'inskaya, L. F. Lesnitskaya. Reviewed by I. Pozubenko. Rad. pravo no. 1:145-147 Ja-F '63.

Remarks of a deputy of a rural soviet. V. Lysakii. Kul't.-pres. rab. 23 no. 10:5-7 O '62.

"Role of the rural soviets of the R. S. F. S. R. in the socialist reconstruction of rural regions, 1920-1932" by IU. S. Kukushkin. Reviewed by I. S. Somykin. Vop. ist. 38 no. 2:135-136 F '63.

SOWS—FEEDING AND FEEDS

Effect of substituting hydrolysis yeast for fish meal in rations for pregnant sows on the embryonic development of baby pigs. I. Ismailov. Zhivotnovodstvo 23 no. 6:32-33 Je '61.

Intensive fattening of one-litter sows with a reduced expenditure of concentrated feeds. M. Karuna. Shor. stud. nauch. issl. rab. VSKH 1 no. 1:225-226 '62.

SOYBEAN

(see also subdivision under Soviet Far East)

Studying soybean seed globulins by paper electrophoresis. I. A. Vaintraub. Trudy po khim. prirod. soed. no. 3: 193-198 '60.

SPACE BIOLOGY

Biological aspects of the theory of relativity. N. Zhukov-Voroshnikov and others. Av. i kosm. 45 no. 2:13-35 F '63.

SPACE FLIGHT

(see also subdivision under United States)

Again a falsification. V. Vereshcheta, F. Kovalev. Av. i kosm. 45 no. 2:92-94 F '63.

The age of astronautics has been opened by the Soviet Union. Grazhd. av. 19 no. 10:2 of cover O '62.

The first space scouts. F. Kosmolinskii. Av. i kosm. 45 no. 2:89-90 F '63.

Great achievement. Sov. pech. no. 0:1-2 Ag '62.

The Soviet Union is ahead. O. U'rev. Grazhd. av. 10 no. 12:13-15 D '62.

SPACE FLIGHT—BIBLIOGRAPHY see Bibliography—Space flight

SPACE FLIGHT TO MARS

Toward Mars. Kryl. rod. 13 no. 12:1 D '62.

SPACE FLIGHT TRAINING

Diary of an astronaut (to be continued). Av. i kosm. 45 no. 2:22-26 F '63.

Lapunov, B. V., and N. A. Nikolaev. [Over thorns to the stars] Skvoz' torni k zvezdam. For aspera ad astra. Izd-vo TekvLKS "Molodaya gardiia," 1962. 174 p.

SPACE PERCEPTION

Development of the space dynamics of consecutive visual images in children [with summary in English]. P. A. Sorokun. Vop. psikh. no. 6:102-106 N-D '62.

Some space orientation disorders in pilots during flight [with summary in English]. K. Kh. Korolenok, B. A. Lakubov. Vop. psikh. no. 6:53-68 N-D '62.

SPACE PERCEPTION—CONGRESSES

Second Conference on the Problems of Space and Time Perception. G. I. Akinshchikova. Vop. psikh. no. 6: 187-188 N-D '62.

SPACE VEHICLES—NUCLEAR POWER PLANTS

Screen of a photon engine. V. Kaznevskii, I. Merkulov, IU. Fatkin. Av. i kosm. 45 no. 2:14-21 F '63.

SPACE VEHICLES—SAFETY MEASURES

Approximate calculation of a screen protection from meteors. L. S. Bezgin, M. I. Ivashchenko. Izv. AN SSSR. Otd. tekhn. nauk. Mekh. i mashinost. no. 1:127-129 Ja-F '63.

SPACES, GENERALIZED

Length of a curve in a manifold of bounded curvature with an isothermal linear element. IU. G. Reshetniak. Sib. mat. zhur. 4 no. 1:212-226 Ja-F '63.

Recursive real numbers and recursive functional spaces. N. A. Shanin. Trudy Mat. inst. 67:15-284 '62.

SPACESHIPS

Konferentsiia po obshchim i prikladnym voprosam teoreticheskoi astronomii. Moscow, 1961. [Problems of the motion of artificial celestial bodies] Problemy dvizheniia iskusstvennykh nebesnykh tel; doklady. Moskva, Izd-vo Akad. nauk SSSR, 1963. 264 p.

SPAIN—CIVIL WAR, 1936-1939

More about the origin of the "nonintervention policy." E. E. Pechuro. Nov. i noveish. ist. no. 6:171-172 '62.

"Spanish notebooks" and "Who helped Hitler; reminiscences of a Soviet ambassador" by I. M. Malskii. Reviewed by D. Zaslavskii. Nov. vrem. 20 no. 12:20-31 Mr '63.

SPAIN—ECONOMIC CONDITIONS

The tragedy of Spain. Juan Cobo. Nov. vrem. 20 no. 9: 18-20 Mr '63.

SPAIN—POLITICS AND GOVERNMENT

The tragedy of Spain. Juan Cobo. Nov. vrem. 20 no. 9: 18-20 Mr '63.

SPANISH AMERICA see Latin America

SPARROW—HAWKS see Hawks

SPARROWS—EXTERMINATION see subdivision under Kazakhstan

SPASMS

Total bronchospasm during anesthesia. A. S. Shemchuk. Klin. khir. no. 12:77-88 D '62.

SPEAR FISHING

Spear against sharks. Znan. sila 37 no. 12:11 D '62.

SPECIES

"Studies on species" by K. M. Zavadskii. Reviewed by I. I. Puzanov. Vost. LGU 18 no. 3:155-160 '63.

SPECIFIC GRAVITY

Determination of the composition of the human body according to its specific gravity. K. P. Khanina. Vop. antr. no. 10:77-84 '62.

SPECIFIC HEAT see Heat capacity

SPECTROCHEMISTRY

Spectrochemical method for the determination of impurities in selenium [with summary in English]. V. L. Ginzburg, N. P. Glukhovetskaya, N. N. Danilova. Zhur. anal. khim. 17 no. 8:1095-1100 D '62.

SPECTROMETER

Kovrighn, O. D., and G. D. Latshev. [Double-focusing spectrometer] Spektrometr s dvoynoi fokusirovko. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 45 p.

SPECTROPHOTOMETRY

Auxiliary method of spectrophotometric analysis for differentiating ethyl and methyl alcohols. V. M. Kolosova. Sud.-med. ekspert. 6 no. 1:12-14 Ja-Mr '63. Use of an SF-4 apparatus in the study of spectral-luminescent properties [with summary in English]. N. G. Poltiov, A. IU. Shterman. Trudy Inst. fiz. AN Gruz. SSR 8:263-266 '62.

SPECTRUM, INFRARED

Infrared absorption spectra of pyrochlores and some characteristics of the composition of these minerals. A. S. Sergeev, L. G. Fedorova. Trudy Min. muz. no. 13: 102-107 '62.

SPECTRUM ANALYSIS

Calculation of the electron paramagnetic resonance spectra on an electronic computer. Part 2: Asymmetric lines. IA. S. Lebedev. Zhur. strukt. khim. 4 no. 1:22-27 Ja-F '63.

Determining aluminum purity by residual resistance. B. N. Aleksandrov, N. M. Vasil'eva. Fiz. met. i metalloved. 15 no. 1:158-159 Ja '63.

Identification of menstrual blood in a stain by the method of emission spectroscopy. M. B. Tabakman. Sud.-med. ekspert. 6 no. 1:10-12 Ja-Mr '63.

Impulse spectroscopy, a method for the investigation of rapid photochemical reactions. A. V. Karliakin, V. I. Duzhenkov. Usp. khim. 31 no. 12:1511-1527 D '62.

Kustanovich, I. M. [Spectrum analysis] Spektral'nyi analiz. Moskva, Vysshaya shkola, 1962. 399 p.

Levashin, V. L., and others. [Spectrum analysis methods] Metody spektral'nogo analiza [By] A. A. Babushkin i dr. Pod red. V. L. Levashina. Moskva, Izd-vo Mosk. univ., 1962. 508 p.

Quantitative determination of nickel and manganese traces by the diffusion reflection spectra with a preliminary concentration on a cellulose ion exchanger [with summary in English]. I. N. Ermolenko, M. L. Longin, M. Z. Gavrilov. Zhur. anal. khim. 17 no. 9: 1035-1039 D '62.

Second extended colloquium on forensic spectroscopy. I. B. Dmitriev. Sud.-med. ekspert. 6 no. 1:61-62 Ja-Mr '63.

Soyeshchaniye po spektroskopii. 19th. Leningrad, 1960. [Physical problems in spectroscopy] Fizicheskie problemy spektroskopii; materialy. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 1. 1962. 474 p.

SPECULUM (MEDICINE)

Lock for a vaginal speculum. S. N. Poltiov. Zhivotnovodstvo 23 no. 6:81-82 Ag '61.

SPEECH

Methods of the simultaneous registering of articulatory and acoustic parameters of speech. V. A. Kozhevnikov, V. S. Shupliakov. Vop. psikh. no. 6:120-134 N-D '62.

Process of speech sound discrimination [with summary in English]. L. A. Chistovich, IU. A. Klaas, IU. I. Kuz'min. Vop. psikh. no. 6:26-39 N-D '62.

Psychological mechanism of mastering speech in ontogenesis [in Georgian with summary in Russian]. N. V. Chrelashvili. Trudy Inst. psikh. AN Gruz. SSR 13: 101-116 '62.

Psychological problem of speech [in Georgian with summary in Russian]. D. I. Ramishvili. Trudy Inst. psikh. AN Gruz. SSR 13:89-100 '62.

SPEECH, DISORDERS OF

Analysis of the disturbances of speech comprehension in temporal aphasia. M. A. Kryshova, E. P. Kok, V. M. Shklovskii. Dokl. APN 6 no. 5:117-120 '62.

Speech defects lead to poor progress. R. Levina. Nar. obr. no. 2:37-42 F '63.

Spirova, L. F., and R. I. Shulfer. [Methods of teaching the Russian language to children with speech disorders; learning to read and write] Voprosy metodiki obucheniia russkomu iazyku detei s narusheniami rechi; obuchenie gramote. Moskva, Izd-vo APN RSFSR, 1962. 99 p. (Pedagogicheskaya biblioteka uchitelia)

SPEKANSKII, MIKHAIL NESTEROVICH, 1863-1938

M. N. Sparsanskii as folklore historian and theoretician. V. P. Ankin. Rus. fol'k. 7:241-258 '62.

SPERMATOZOEA

Determining spermatozoid concentration with a wedge-shaped colorimeter. I. I. Rodin. Veterinariia 37 no. 11:79-80 N '60.

SPINAL ANESTHESIA

Changes in cardiac activity during surgery under spinal anesthesia. A. A. Usmanov. Zdrav. Kazakh. 22 no. 11: 16-21 '62.

SPINAL CORD—INFLAMMATION

Treatment with biocholin of dogs infected with myelitis. S. S. Kotov. Veterinariia 37 no. 7:44 Ji '60.

SPINAL NERVES see Nerves, Spinal

SPINDLE TREE

(see also subdivision under Bryansk Province)

Development and importance of the aril in spindle tree seeds. P. V. Sapankevich. Trudy Brian. tekhn. inst. 9: 261-284 '60.

SPINE—DISEASES

Kosinskaya, N. S. [Degenerative and dystrophic lesions of the osteoarticular apparatus; clinical X-ray diagnosis and expertise on work capacity] Degenerativno-distroficheskie porazheniia kostnosustavnogo apparata; klinicheskaya rentgenodiagnostika i ekspertiza trudo-sposobnosti. [Leningrad] Medgiz, 1961. 194 p. (DNLN)

SPINE—RADIOGRAPHY

Roots of the spinal arches in the X-ray image with respect to age. S. A. Arustamian. Vop. rent. i onk. 6: 113-122 '61.

SPINNING

Reference data. Tekst. prom. 23 no. 1:94-95 Ja '63.

SPINNING MACHINERY

Basic trends in the manufacture of new spinning and textile machines for the production of synthetic fibers. V. G. Novitskii. Khim. volok. no. 3:13-14 '62.

Device for the automatic lifting and lowering of the ring plate of a spinning machine. A. G. Danilin, I. I. Solov'ev. Tekst. prom. 23 no. 1:43-45 Ja '63.

Effect of the length of the fiber and of the silver number on the dimension of the clearance in the drafter mechanism with a curved field. N. I. Shilova. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:71-77 '62.

Improving the conditions of twist traverse behind the thread guide. G. K. Popova. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:64-70 '62.

New type of holders with a firm fit on the spindle. L. I. Iastrebova. Tekst. prom. 23 no. 1:45 Ja '63.

New types of drawing machines. P. D. Ballasov. Tekst. prom. 23 no. 1:9-14 Ja '63.

Pressure forces exerted by the filling feeder on the bobbin. V. D. Khokhlov, L. T. Chershevskiy. Tekst. prom. 23 no. 1:48-54 Ja '63.

Siphon spinning machine. A. Borynets. Khim. volok. no. 3:32-36 '62.

Study and design of the traversing gear reductor of the thread guide. A. F. Proshkov. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:146-153 '62.

Twisting yarn from stationary bobbins without doubling. V. A. Silaev. Tekst. prom. 23 no. 1:47-48 Ja '63.

SPINNING MACHINERY—CLEANING

Device for lint removal from the spindle seating and bar of spinning and twisting machines. K. F. Zaitsev. Tekst. prom. 23 no. 1:81 Ja '63.
Efficiency of using electric needles for cleaning the drafters of spinning machinery. IU, F. Morin. Leh. prom. no. 3:41 Je-Ag '62.

SPINNING MACHINERY—MAINTENANCE AND REPAIR

Using the track of the AO-4 lint blower for the travel of the AO-6 lint blower. V. N. Moskalov. Tekst. prom. 23 no. 1:46-47 Ja '63.

SPINNING MACHINERY—TESTING

Effect of the misalignment of the pressure rollers on the axial displacement of the corrugated cylinders of flax spinning machinery. N. M. Manaev. Izv. vys. ucheb. zav. i tekhn. tekst. prom. no. 6:136-146 '62.

SPIRAEA see subdivision under Tashkent

SPIROSCOPE AND SPIROSCOPY

Mechanism of an experimental spirometer. B. M. Abramovich. Vop. antr. no. 10:139-142 '62.

SPLEEN

Splenomanometry in the diagnosis of portal hypertension [with summary in English]. M. P. Postolov. Vest. khir. 89 no. 11:30-33 N '62.

SPLEEN—HYDATIDS

Echinococcus of the spleen [in Georgian with summary in Russian]. S. M. Buachidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:323-329 '62.

SPLEEN—HYPERTROPHY AND DILATATION

Splenopography in the diagnosis of thrombophlebitic splenomegaly [with summary in English]. P. V. Bogoslavskii, E. I. Mitrofanov. Vest. khir. 89 no. 11:25-30 N '62.

SPLEEN—RADIOGRAPHY

Splenopography in the diagnosis of thrombophlebitic splenomegaly [with summary in English]. P. V. Bogoslavskii, E. I. Mitrofanov. Vest. khir. 89 no. 11:25-30 N '62.

SPONGES

Regeneration and somatic embryogenesis in calcareous sponges of the Sycon type [with summary in English]. G. P. Korotkova. Vest. LGU 18 no. 3:34-47 '63.

SPONTANEOUS COMBUSTION see Combustion, Spontaneous

SPORTS

(see also subdivision under Kavgolovo; Kuznetek Basin; Ulan Bator)

Biriukova, Z. I. [Nervous system and sports] Nervnaya sistema i sport. Moskva, Fizkul'tura i sport, 1962. 39 p. (Biblioteka sportmena)

First medals of 1963. Sov. Soluz no. 3:54-55 '63.

The 40th anniversary of the formation of the Union of Soviet Socialist Republics. Teor. i prak. fiz. kul't. 25 no. 12:1-5 D '62.

Postnikov, D. V., ed. [Physical education and sports in rural areas] Fizicheskaia kul'tura i sport na selen; v pomoshch' sel'skomu fizkul'turnomu aktivu. Moskva, Izd-vo "Fizkul'tura i sport," 1962. 450 p.

Sport as one of the means for the development of friendly relations among nations. IU, A. Talalov. Teor. i prak. fiz. kul't. 25 no. 12:6-11 D '62.

Third Spartakiada of the volunteer sport society "Urozhai." K. P. Lukhin. Kul't. i pros. rab. 23 no. 6:20-22 Je '62.

SPORTS—ORGANIZATION AND ADMINISTRATION

Community as a decisive factor in the work of a collective. Teor. i prak. fiz. kul't. 25 no. 12:41-44 D '62.

Improve the quality of the training of students in the organization of sports in physical education institutions. I. I. Nikiforov. Teor. i prak. fiz. kul't. 25 no. 12:11-15 D '62.

Problems of the improvement of the all-Union physical culture complex "Ready for Work and Defense" and the Unified All-Union Sports Classification. F. P. Shuvalov. Teor. i prak. fiz. kul't. 25 no. 12:61-63 D '62.

"Organization of physical education in the U. S. S. R.," Reviewed by K. P. Fedorov. Teor. i prak. fiz. kul't. 25 no. 12:70-71 D '62.

Organizing rural sports clubs. Teor. i prak. fiz. kul't. 25 no. 12:72-73 D '62.

SPORTS—PHILOSOPHY

Bourgeois sociology on the role of sports in society (to be continued). A. A. Frenkin. Teor. i prak. fiz. kul't. 25 no. 12:16-22 D '62.

SPORTS—PHYSIOLOGICAL ASPECTS

Arbitrary tension and relaxation of muscles in young athletes of various fields. K. O. Gomberdze. Teor. i prak. fiz. kul't. 25 no. 12:36-37 D '62.

Dynamics of the physical development of adolescents under the influence of long athletic training [in Georgian with summary in Russian]. D. M. T'sverava. Trudy Tbil. GDUV 6:340-355 '62.

International seminar on the problem of metabolism during physical exercises. N. V. Zimkin. Teor. i prak. fiz. kul't. 25 no. 12:67-68 D '62.

Physical development of athletes. G. I. Kukushkin. Teor. i prak. fiz. kul't. 25 no. 12:22-28 D '62.

To the editors of "Teoriia i praktika fizicheskoi kul'tury." A. G. Dembo and others. Teor. i prak. fiz. kul't. 25 no. 12:83-84 D '62.

SPORTS IN ART

All-Union art exhibition "Physical education and sports in art." Teor. i prak. fiz. kul't. 25 no. 12:73 D '62.

SPORTS JOURNALISM

Around a soccer match. V. Parkhit'ko. Sov. pech. no. 8: 58 Ag '62.

SPORTS MEDICINE

Kukolevskii, G. M. [Sportsman's hygiene] Gigienicheskil rezhim sportmena. Moskva, Fizkul'tura i sport, 1963. 77 p. (Biblioteka sportmena) (DNLM)

"Methods for the observation of athletes in connection with the training of doctors" by S. P. Letunov, R. E. Motyianskaia, and N. D. Graevskaia. Reviewed by L. A. Butchenko. Teor. i prak. fiz. kul't. 25 no. 12: 69-70 D '62.

Physical culture as a powerful prophylactic means against various diseases. V. K. Dobrovolskii. Teor. i prak. fiz. kul't. 25 no. 12:29-31 D '62.

SPRAYING AND DUSTING

APR "TEMP" unit for preparing spraying liquids. N. I. Polunin. Blul. tekhn. i ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:71-72 '63.

SPRAYING AND DUSTING EQUIPMENT

Nauchno-tekhnicheskoe soveshchanie po voprosam konstruirovaniia mashin dlia zashchity plodovykh kul'tur i vinogradn. Kishinev, 1960. [Mechanization of work in plant protection] Mekhanizatsiia rabot po zashchite rastenii; sbornik trudov. Kishinev, Izd-vo sel'khoz. lit-ry, 1961. 187 p.

SPRINGS (IN RELIGION, FOLKLORE, ETC.)

Who is stirring up clear water? N. Alekseev, V. Katanov. Nauka i rel. 4 no. 1:30-31 Ja '63.

SPRINGS (MECHANISM)—TESTING

Effect of decarbonization on the lasting properties of springs. E. G. Zarembo. Trudy MIIT no. 160:107-110 '62.

Effect of high-temperature annealing on the structure and mechanical properties of the 55S2 spring steel. E. G. Zarembo. Trudy MIIT no. 160:41-56 '62.

SPRINKLERS

Efficient sprinkler system for mines. V. V. D'iakov, A. I. Korzon, IU, A. Chudov. Gor. zhur. no. 2:63-66 F '63.

SPRUCE

(see also subdivision under Georgia; Shar'ya District)
Using the method of tagged atoms for detecting the heredity in three-year-old spruce seedlings. P. V. Voropanov, A. I. Akhromenko. Trudy Brian. tekhn. inst. 9:253-264 '60.

SPRUCE—DISEASES AND PESTS see subdivision under Perm Province

SPUTNIKS see Artificial satellites

SQUARE ROOT

Geometric method of extracting the square root of a sum or difference of squares with a number of radicand terms of two or more. N. I. Gerasimov. Mor. sbor. 46 no. 2:73-75 F '63.

SQUIRRELS

A frolicker. H. Ihtanenska. Belarus' 20 no. 2:31 F '63.

SRETENSKII, LEONID NIKOLAEVICH, 1902-

Leonid Nikolaevich Sretenskii; on his 60th birthday. N. N. Poliakhov and others. Usp. mat. nauk 18 no. 1: 101-204 Ja-F '63.

STAINLESS STEEL see Steel, Stainless

STAINS AND STAINING (MICROSCOPY)

Modification of the color of bacteria according to Gram. S. Kokhanova. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:200-210 '62.

STALIN, IOSIF, 1879-1953

All-Union Conference of Soviet Historians. [with summary in English, p. 220]. Vop. ist. 38 no. 2:3-75 F '63.

Filipov, A. P. [Russian ideology after the death of Stalin] O sovetskoi ideologii posle Stalina. Munich, In-t po izucheniiu SSSR, 1962. 46 p. (Institut zur Erforschung der UdSSR. Issledovaniia i materialy, ser. 2, no. 80)

From the history of the party, from March to early April, 1917. A. V. Snegov. Vop. ist. KPSS 7 no. 2:15-30 F '63.

Historical research and the study of history should contribute to the building of communism. B. N. Ponomarev. Vop. ist. KPSS 7 no. 1:16-41 Ja '63.

How to overcome the cult of personality in lectures and talks on the history of the CPSU. M. Vakhobov, A. Vodolazskii. Komm. Uz. 35 no. 1:87-95 Ja '63.

STALINGRAD see Volgograd

STALINGRAD, BATTLE OF, 1942-1943

[Battle for the Volga Valley; reminiscences of the participants in the Battle of Stalingrad] Bitva za Volgu; vospominaniia uchastnikov Stalingradskego srazheniia. 2., ispr. izd. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 442 p.

Battle on a great Russian River. V. I. Chukov. Mor. sbor. 46 no. 2:17-24 F '63.

The Conference in "Wolff's Den," February 1, 1943. Translated from the German. Voen. ist. zhur. vol. 5 no. 1:80-86 Ja '63.

Great battle on the Volga River. Sov. Soluz no. 3:3 '63.
Great Victory. N. Pavlenko. Agitator no. 7:15-17 Ap '62.
Great victory on the Volga. Komm. Vooruzh. Sil 3 no. 2:44-46 Ja '63.

The historic victory on the Volga. A. Ershov. Agitator no. 2:10-21 Ja '63.

Sailors of the Volga Flotilla are heroes of the Battle of the Volga. P. I. Boi'skii. Mor. sbor. 46 no. 2:27-30 F '63.

Samsonov, A. M. [Great battle on the Volga River] Volika bitva na Volge. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike, i SSSR: Istoriia, no. 3)

Soviet military art in the Battle on the Volga (conclusion). P. Rotmistrov. Voen. ist. zhur. vol. 5 no. 1:8-20 Ja '63.

The Volgograd party organization during the defense of this heroic city. A. M. Samsonov. Vop. ist. KPSS 7 no. 2:44-54 F '63.

STALINGRAD PROVINCE see Volgograd Province

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

STALINSK see Novokuznetak

STAMMERING

Treatment of stammering by means of therapeutic physical culture. S. A. Kron. Vrach. delo no. 11:139-140 N '62.

STANDARDS, ENGINEERING

(see also subdivision under Estonia)

In the State Committee on Construction of the U. S. S. R. Blul. stroi. tekhn. 20 no. 2:32-33 F '63.

[Information index of standards] Inform. ukaz. stand. 24 no. 1 '63.

List of standards for design and construction abolished by the State Committee on Construction of the U. S. S. R. in the fourth quarter of 1962. Blul. stroi. tekhn. 20 no. 2: 47-48 F '63.

List of standards for design and construction approved by the State Committee on Construction of the U. S. S. R. in the fourth quarter of 1962. Blul. stroi. tekhn. 20 no. 2:45-46 F '63.

New standards. Blul. stroi. tekhn. 20 no. 2:20-22 F '63.

STANDARDS, MILITARY see subdivision under Azerbaijan

STANISLAV PROVINCE see Ivano-Frankovsk Province

STANISLAV PROVINCE—FOLKLORE STUDIES

Folkloristic research in the Stanislav region. V. Tvardovskii. Nar. tvorch. ta etn. 6 no. 3:151-162 '62.

STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938

Director, actor and theoretician. Alim Khodzhaev. Uzbekiston 22 no. 1:13 Ja '63.

A film on K. S. Stanislavskii. Isk. kino 33 no. 1:41-43 '63.

K. S. Stanislavskii wrote this on the new art of motion pictures. Isk. kino 33 no. 1:33-35 '63.

Letter written to Stanislavskii. Vol'demar Panso. Teatr 24 no. 1:39-43 Ja '63.

On Leont'evskiy Lane (to be continued). I. A. Varshavskii. Isk. kino 33 no. 1:35-40 '63.

Step toward Stanislavskii. A. Matskin. Teatr 24 no. 1: 13-17 Ja '63.

Unusual publishing house. D. Kumanov. V mire knig 2 no. 8:47 Ag '62.

The year 1963. V. I. Pimenov. Teatr 24 no. 1:3-11 Ja '63.

STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938—BIBLIOGRAPHY see Bibliography—Stanislavskii, Konstantin Sergeevich, 1863-1938

STANIUKOVICH, KONSTANTIN MIKHAILOVICH, 1844?-1903

Vil'chinskii, V. P. [Konstantin Mikhailovich Staniukovich; his life and works] Konstantin Mikhailovich Staniukovich; zhizn' i tvorchestvo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 334 p.

STAPHYLOCOCCAL DISEASE

Permeability factor and hyaluronic acid in the phenomena of infection and immunity. Report no. 1: The permeability factor and hyaluronic acid in experimental infection [with summary in English]. M. I. Alaverdian. Trudy TomNIIVS 11:186-197 '60.

STAPHYLOCOCCUS

Comparative physiology of two strains of Staphylococcus aureus 209-P, one of which is resistant and the other sensitive to tetracycline antibiotics. V. N. Shaposhnikov, V. K. Plakunov. Dokl. AN SSSR 148 no. 2:448-451 Ja '63.

Resistance of staphylococci to erythromycin. T. M. Bassa. Vrach, delo no. 1:97-99 Ja '63.

STARCHENKOVSKIY DISTRICT—MOTION-PICTURE PROJECTION

Such methods of work ensure success. I. Krasova'kiy. Sots. kul't. no. 2:43 F '63.

STARK EFFECT

Stark effect and hybridization in X-ray K-absorption spectra. R. L. Barinskii, B. A. Malukov. Izv. AN SSSR, Ser. fiz. 27 no. 3:351-358 Mr '63.

STARS—ATMOSPHERES

Determining proton concentration in the atmosphere of hydrogen stars. S. P. Erkovich. Trudy MTIPP 15: 217-225 '60.

STARS, DOUBLE—SPECTRA

Satellite stars in systems of eclipsed binary stars. S. M. Azimov. Izv. AN Azerb. SSR. Ser. fiz. -mat. i tekhn. nauk no. 4:71-79 '62.

STATE FARMS

(see also subdivision under Kara-Darya Valley; Kazakhstani; Mongolia; Moscow Province; Samarkand Province)

The boomerang. Sov. profsoiuzy 19 no. 5:26-27 Mr '63.

STATE FARMS—ACCOUNTING

(see also subdivision under Ulyanovsk Province)
Accounting for labor on a state farm. D. T. Chernobaev. Uchet i fin. v kolhoz, i sovkh. 20 no. 1:8-9 Ja '63.
Accounting in a repair shop. I. S. Kozlov. Uchet i fin. v kolhoz, i sovkh. 20 no. 1:10-12 Ja '63.
Increase the control functions of accounting. N. K. Nikolskii. Uchet i fin. v kolhoz, i sovkh. 20 no. 1:42-43 Ja '63.
New forms of wages and the accounting organization. I. A. G. Grigorov. Uchet i fin. v kolhoz, i sovkh. 20 no. 1:20-21 Ja '63.

STATE FARMS—AUDITING AND INSPECTION

(see subdivision under Gatchina District; Volgograd Province)

STATE FARMS—FINANCE

(see also subdivision under Donetsk Province)
Business accounting on a state farm as a factor in improving profit. V. I. Pliankov. Uchet i fin. v kolhoz, i sovkh. 20 no. 1:30-31 Ja '63.
Characteristics of the formation of state farm working capital. V. Semenov. Fin. SSSR 37 no. 1:51-53 Ja '63.
Cotton raising state farm brigades operating on a business accounting basis. N. F. Iun. Uchet i fin. v kolhoz, i sovkh. 20 no. 1:27-29 Ja '63.

STATE FARMS—MANAGEMENT

Production trends of state farms and the effect of specialization upon their economy. A. Vikhilav. Vest. stat. no. 1:24-26 '63.

STATE FARMS—OFFICIALS AND EMPLOYEES

Supply state farms with a perfect administrative apparatus. A. Pakhomov. Fin. SSSR 37 no. 1:47-50 Ja '63.
Trust is not a screen. A. Gimmervert. Sov. profsoiuzy 19 no. 2:20 Ja '63.

STATE FARMS—PRODUCTION STANDARDS

Wage systems and work norms on state farms. M. Nikitin. Sots. trud 7 no. 6:111-117 Je '62.

STATES, NEW

African states which became independent in 1962. A. Blok. Komm. Uz. 34 no. 12:80-83 D '62.
There is no place for colonialism in the world! Agitator no. 3:31 F '63.

STATES, NEW—ECONOMIC CONDITIONS

Shmelev, N. P. [Ideologists of imperialism and the problems of underdeveloped countries] Ideologi imperializma i problemy razvitiya stran. Moskva, Sotsekgiz, 1962. 241 p.

STATES, NEW—POLITICS

The national democratic state and the transition to noncapitalist development [with summary in English, p. 257]. V. I. Pavlov, I. B. Red'ko. Nar. Az. i Afr. no. 1:29-40 '63.

STATIONS

Joint station. V. Dakhno. Avt. transp. 41 no. 1:15-16 Ja '63.

STATISTICAL MECHANICS

Vibrations of a nonlinear system filled with liquid and subject to random disturbances. N. A. Nikolaenko. Trudy TSNIISK no. 18:51-60 '62.

STATISTICS

From the work practice of regional auditing offices; survey of readers' notes and letters. Vest. stat. no. 2:71-73 '63.

Moscow. Universitet. Kafedra statistiki. [Economic statistics] Ekonomicheskaya statistika; kurs lektsii. Pod red. D. V. Savinskogo. [Moskva] Izd-vo Mosk. univ., 1962. 270 p.

Statistical problems discussed in newspapers and journals. Vest. stat. no. 1:70-80 '63.

Statistical problems discussed in newspapers and journals. Vest. stat. no. 2:85 '63.

STATISTICS—BIBLIOGRAPHY

Statistics

STATISTICS—STUDY AND TEACHING

Training economist-statisticians. F. Dolgushevskii. Vest. stat. no. 2:73-74 '63.

STATISTICS, MATHEMATICAL

Statistics

STAVROPOL—INDUSTRIAL BUILDINGS

Large industrial building made of precast reinforced concrete. S. Gintik. Na stroi. Ros. 3 no. 2:23-25 F '62.

STAVROPOL—RUBBER INDUSTRY

Accurate and truthful; an open letter to the propagandist. N. Sorokin. L. Kolodin. Agitator no. 3:42-44 F '63.

STAVROPOL PROVINCE—SERVICE INDUSTRIES

Provide the enterprises with designing and technological bureaus. V. Prokof'ev. Meest. prom. i khud. promys. 3 no. 12:10-11 D '62.

STAVROPOL TERRITORY—CHILDREN—MANAGEMENT

In the flourishing territory of Stavropol. K. Alekseev, G. Gennadiyev. Klub 12 no. 7:26-28 Ji '62.

STAVROPOL TERRITORY—FARM MECHANIZATION—STUDY AND TEACHING

Student brigades of Stavropol Territory. V. D. Fateev, V. A. Aleksandrovskii. Sov. pedagog. 26 no. 11:22-30 N '62.

STEAM

Determination of critical thermal currents during the boiling of a high-boiling heat carrier in pipes. L. S. Sterman, V. D. Mikhailov. Teploenergetika 10 no. 2:82-87 F '63.

STEAM ENGINES, MARINE

(see Marine engines)
Berman, S. S. [Calculation of heat exchangers of turbine systems] Raschet teploobmennyykh apparatov turbostanovok. Moskva, Gosenergoizdat, 1962. 239 p.

Concerning the economic efficiency of accelerated automatic starting of steam turbines. O. G. Antonov. Energ. i elektrotekh. prom. no. 4:3-5 O-D '62.

Effect of the binding on the efficiency of a turbine stage. A. A. Klimov. Izv. vys. ucheb. zav. i energ. 6 no. 1: 50-63 Ja '63.

Effect of the cooling of the diffusers of steam-jet ejectors. V. T. Buglaev. Izv. vys. ucheb. zav. i energ. 6 no. 1:107-110 Ja '63.

Experience in the installation of a 200 Mw. block. M. E. Verbitskii. Energ. stroi. no. 30:8-12 '62.

Installation of backpressure turbines for operation on secondary steam in metallurgical plants. P. S. Kolobkov. Izv. vys. ucheb. zav. i energ. 6 no. 1:51-53 Ja '63.

Power losses in turbine stages with and without bandings. I. I. Kirillov, A. A. Klimov. Teploenergetika 10 no. 2:30-35 F '63.

Shubenko-Shubin, L. A. and others. [Strength of steam-turbine elements] Prochnost' elementov parovykh turbin. Pod red. L. A. Shubenko-Shubina. Moskva, Mashglz, 1962. 587 p.

Study of the exhaust nozzles of condensing steam turbines. A. E. Zariankin, A. A. Kruglenko. Teploenergetika 10 no. 2:41-45 F '63.

STEAMPIPES

Strength of pipes with longitudinal welded seam. Sh. N. Kats. Teploenergetika 10 no. 2:74-77 F '63.

Stresses arising in the heating of a steam pipe from austenitic steel. A. L. Poltakov, D. P. Elizarov, S. V. Volkov. Teploenergetika 10 no. 2:68-73 F '63.

STEAMPIPES—WELDING

Problem concerning the operational strength of welded steam pipe joints in electric power plants. S. S. Iakobson, L. L. Zemlianskaya, I. V. Staseko. Teploenergetika 10 no. 2:64-69 F '63.

STEAM—SPECTRA

Study of infrared spectra in the polymorphic transformation of tristearin. L. B. Arutunova, G. B. Ravich. Dokl. AN SSSR 148 no. 1:89-90 Ja '63.

STEEL

Improving the quality of transformer steel. F. G. Kostenko. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:76-79 '63.

STEEL—ANALYSIS

Acidless separation of oxide inclusions from carbides and sulfides in carbon steel. A. B. Gurevich, L. M. Turubtsev. Zav. lab. 29 no. 3:280-282 '63.
Method for the automatic measurement of carbon content in liquid steel. V. P. Luzgin, A. F. Vishkarev, V. I. Ilyashkii. Avtom. i prib. no. 3:18-20 Ji-S '62.

STEEL—COLD WORKING

"Hereditary" effect of peening on the properties of steel. M. L. Bernstein, M. A. Shiremel'. Fiz. met. i metalloved. 15 no. 1:62-90 Ja '63.
Strengthening steel parts by the method of double work hardening. B. V. Panov. Metalloved. i term. obr. met. no. 1:7-12 Ja '63.

STEEL—CORROSION

Corrosion-fatigue strength of chromium plated steel. A. P. Grabovetskii. Metalloved. i term. obr. met. no. 1:21-23 Ja '63.

STEEL—ELECTRIC PROPERTIES

Cold-rolled 1 mm. thick electrical steel. A. A. Nefedov and others. Elektrichestvo no. 1:76-77 Ja '63.

STEEL—ELECTROMAGNETIC PROPERTIES

Determination of basic properties of electrotechnical steel at higher frequencies. E. I. Kissel', Zav. lab. 29 no. 3:303-305 '63.

STEEL—ELECTROMETALLURGY

Improving the macrostructure of ShKh15 steel made in a vacuum arc furnace. G. N. Okorokov and others. Stal' 23 no. 1:30-34 Ja '63.

Olks, G. N., and others. [New technology of the manufacture of ball-bearing steel] Novaya tekhnologiya vyplavki sharikopodshipnikovoi stali. Moskva, Metallurgizdat, 1962. 124 p.

STEEL—HARDENING

AE-23 automatic unit for hardening starter shafts by heating in an electrolyte. I. A. F. Murzaev, G. N. Terkhin. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:31-32 '63.
Hardening bands; diagrams. Metalloved. i term. obr. met. no. 1:31-34 Ja '63.
Internal friction in hardened steel. M. A. Krihtal, S. A. Golovin. Fiz. met. i metalloved. 14 no. 6:914-916 D '62.

Kazakov, M. L. [Gas-flame hardening of low-module gear wheels] Zakalka gazovym plamenem melkomodulykh zubchatykh koles. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Porezdovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tom 3. No. M-58-337/12)

Surface cracking during the hardening of 45 steel products. D. A. Shvarts, E. N. TSvetkova. Metalloved. i term. obr. met. no. 1:54-56 Ja '63.

STEEL—HEAT TREATMENT

Distribution of relations between static and fatigue characteristics in the steel hardening and tempering process. V. M. Grebenik, M. A. Tytkin. Izv. vys. ucheb. zav. i energ. 6 no. 1:125-127 '63.
Effect of heat treatment on the internal friction of ShKh15 steel. I. K. Faystov. Metalloved. i term. obr. met. no. 1:16-19 Ja '63.
Effect of high-temperature annealing on the structure and mechanical properties of the 55S2 spring steel. E. G. Zarembo. Trudy MFT no. 160:41-56 '62.
Efficient conditions for heat treatment of 2Kh131 steel. I. I. TSima. Mashinostroyeniye no. 6:108 N-D '62.
Heat treatment system for the 55S2 spring steel. V. I. Berlin, E. G. Zarembo. Trudy MFT no. 160:31-40 '62.
Heating of strain-hardened parts for an increase in their fatigue strength. I. V. Kudryavtsev, D. A. Syvshnikov. Metalloved. i term. obr. met. no. 1:5-7 Ja '63.
New developments in metallography and the technology of the heat treatment of steel. Book review by A. I. Sorokin. Metalloved. i term. obr. met. no. 1:64 Ja '63.

STEEL—INCLUSIONS

Effect of electromagnetic forces on the removal of nonmagnetic inclusions in liquid iron. E. L. Dubinin, O. A. Esin, N. A. Vatolin. Fiz. met. i metalloved. 14 no. 6:935-938 D '62.

STEEL—MAGNETIC PROPERTIES

Effect of conditions of cold rolling on the magnetic properties of transformer steel. V. G. Borisenko, I. D. Zaidman, R. M. Koshelevskii. Stal' 23 no. 1:55-67 Ja '63.
Magnetic properties of transformer steel with cubic texture. I. A. N. Kuznetsov, B. G. Livshits. Fiz. met. i metalloved. 15 no. 1:55-59 Ja '63.

STEEL—METALLOGRAPHY

Electrolytic isolation of the σ -phase with control of the particle forms by electron microscope. I. S. Mel'nikova, N. E. Shlepanova. Zav. lab. 29 no. 3:286-289 '63.
Electron microscopy for the investigation of the microstructure of 08kp steel hardened from the rolling heat. G. V. Kviatkovskaya. Metalloved. i term. obr. met. no. 1:53-54 Ja '63.

STEEL — METALLOGRAPHY (Continued)

Reagent for revealing the microstructure of austenite-ferrite joints. G. G. Mukhin. *Avtom. svar.* 16 no. 1: 80-81 Ja '63.

Refining transformer steel during heat treatment. V. G. Borisenko, R. M. Koshelevskii, M. I. Vainstok. *Stal'* 23 no. 1:81-84 Ja '63.

Simplified technology for the production of cold-rolled low-textured electrical steel. I. D. Zaidman, V. G. Borisenko. *Stal'* 23 no. 1:76-79 Ja '63.

Some characteristics of the structure of chilling layers. V. D. Kuznetsov, K. V. Savitskii, N. N. Sukharina. *Fiz. met. i metalloved.* 15 no. 1:145-148 Ja '63.

Structure of the surface layer during the polishing of hardened eutectoid steel. L. I. Mirkin. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:117-119 '63.

STEEL—METALLURGY

Making 30G1, 5L steel with addition of ferromanganese in the ladle. M. A. Drulan and others. *Lit. proizv.* no. 7:8 JI '62.

Production and prospects for the use of incompletely deoxidized steels. L. M. Efimov, D. A. Litvinenko, V. I. Iakushin. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:3-8 '63.

STEEL—TESTING

Effect of diffusive penetration of a melt on the ultimate strength of steel [with summary in English]. M. I. Chaievs'kii. *Dop. AN URSR* no. 12:1603-1607 '62.

Effect of the energy reserve on the failure of steels of different plasticity in impact rupture tests. I. V. Navrotskyi, I. U. S. Tomenko. *Zav. lab.* 20 no. 1:87-90 '63.

Fatigue strength of steel 45 following preliminary plastic tensile tests in water [with summary in English]. I. I. Ishchenko, I. A. Matynova'ska. *Dop. AN URSR* no. 12: 1598-1600 '62.

Investigating resistance to abrasive wear. V. S. Popov, B. I. Lashchinskii. *Metallized, i term. obr. met.* no. 1:51-53 Ja '63.

Investigating the resistance to tangential stress of 12KhN3A case-hardened steel. G. D. Fomenko, V. S. Egorov, A. G. Andreeva. *Metallized, i term. obr. met.* no. 1:23-25 Ja '63.

Some results of investigations of the wear resistance of steels. R. V. Kugel', G. N. Smirnov. *Vest. mashinost.* 43 no. 1:43-48 Ja '63.

The structure of steel following low-temperature thermomechanical treatment. V. A. Antonova, L. M. Utevskaia. *Dokl. AN SSSR* 148 no. 2:325-327 Ja '63.

Study of the process involved in the appearance and development of cracks in steel undergoing tempered embrittlement. I. U. S. Tomenko. *Zav. lab.* 29 no. 1: 90-94 '63.

STEEL—WELDING

Characteristics of joining St. 5, 35GS, and St. 3 steels by double impulse spot welding without preliminary cleaning. N. E. Gorozhaninov, M. S. Mikhalev. *Avtom. svar.* 13:47-50 D '62.

Effect of the method of steelmaking on its impact toughness in the weld zone following electric slag welding. S. V. Pokataev, V. K. Novitskii, I. R. Krianin. *Svar. proizv.* no. 1:3-8 Ja '63.

Electric slag welding of gear-wheel blanks. I. U. Simonov, N. N. Ermakov. *Avtom. svar.* 16 no. 1:75-79 Ja '63.

Mazel', A. G., and others. [Selection of electrodes for the welding of low-carbon steels]. *Vybor elektrodov dlia svarki malokuglerodistykh stalo.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-82/8)

The weldability of steel. A. S. Astaf'ev. *Svar. proizv.* no. 2:6-8 F '63.

STEEL, AUTOMOBILE

"Metals for sheet-metal work" by V. P. Sevardenko, S. A. Pasechnyi. Reviewed by N. A. Troshchenkov, V. T. Filik, I. U. M. Mirenskii. *Stal'* 23 no. 1:80 Ja '63.

STEEL, STAINLESS

DI-1 stainless steel. M. F. Alekseenko and others. *Stal'* 23 no. 2:150-162 F '63.

STEEL, STAINLESS—CLEANING

Flame scarfing of stainless steel ingots and the preparation of slabs for rolling. V. A. Filonov and others. *Stal'* 23 no. 1:73-75 Ja '63.

STEEL, STAINLESS—CORROSION

Korovin, I. U. M., and L. B. Ulanovskii. [Corrosion of stainless steels in the spots in contact with nonmetallic materials]. *Korroziia nerzhaveliushchikh stalo i metalakh kontakta s nemetallicheskimii telami.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-130/16)

STEEL, STAINLESS—TESTING

Highly resistant nonmagnetic steel. M. V. Pridanov, F. L. Levin. *Metallized, i term. obr. met.* no. 1:41-44 Ja '63.

STEEL, STAINLESS—WELDING

Characteristics of the production of welded stainless steel pipe in an inert gas atmosphere. Z. A. Grinberg, N. F. Morozov, S. M. Gazman. *Stal'* 23 no. 2:152-155 F '63.

Determination of chromous oxide in slags in electric welding of stainless steel. M. S. Kostun, E. I. Kadinov. *Zav. lab.* 29 no. 1:35 '63.

Solder activation for stainless steels. N. F. Lashko, S. V. Lashko. *Svar. proizv.* no. 2:17-19 F '63.

STEEL, STRUCTURAL

Zhuravlev, V. N., and O. I. Nikolaeva. [Machinery steels]. *Mashinostroitel'nye stal'; spravochnik dlia konstruktora.* Moskva, Mashgiz, 1962. 237 p. (Spravochnik konstruktora)

STEEL, STRUCTURAL—STANDARDS

[Materials used in engineering structures on roads and railroads]. *Materialy primeniamye pri stroitel'stve iskusstvennykh sooruzhenii na zheleznykh i avtomobil'nykh dorogakh.* Izd. ofitsial'noe. Moskva, (SSSR, Gosudarstvennyye standarty)

Pt. 1. [Steel and steel products]. *Stal' i stal'nye izdelia.* 1962. 357 p.

STEEL ALLOYS

Determination of cerium-containing inclusions in alloying steels. A. B. Gurevich and others. *Zav. lab.* 20 no. 3: 283-286 '63.

Investigating the recovery and the energy of interatomic bonds of complex-alloy ferrites. M. M. Shteinberg, A. S. Ziatkina, I. K. Schastlivtseva. *Fiz. met. i metalloved.* 14 no. 6:820-827 D '62.

STEEL ALLOYS—METALLOGRAPHY

Effect of certain elements on the freezing of steel during hot deformation. G. I. Bel'chenko, A. A. Baranov. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:97-105 '63.

Transformations of undercooled austenite in steels with a varying degree of alloying. M. P. Braun, B. B. Vinokur, F. I. Ivanov. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:128-135 '63.

STEEL ALLOYS—METALLURGY

Research at the "Krasnyi Oklad" Metallurgical Plant. K. I. Antipov. *Stal'* 23 no. 2:129-130, 135-136, 157, 170-171 F '63.

STEEL ALLOYS—TESTING

Effect of chemical composition on the properties of peened Kh18N9 steel. N. P. Zhetvin, I. V. Gorbatenko, E. M. Kontsevaia. *Metallized, i term. obr. met.* no. 1:45-51 Ja '63.

Impact toughness and the structure of 30KhGSNA steel following low-temperature tempering. I. A. I. Spektor, R. I. Entin. *Stal'* 23 no. 1:87-88 Ja '63.

Methods for determining the plasticity of heat-resistant materials under conditions of creep. L. I. Trunin. *Zav. lab.* 20 no. 3:357-363 '63.

STEEL AND IRON BUILDING see Building, Iron and steel

STEEL CASTINGS

Correction of steel castings by electric welding. M. S. Gvozdev. *Mashinostroitel'* no. 1:34-35 Ja '63.

Reducing sand burning in steel castings. V. A. Skrazhennik, G. N. Tuluzov. *Mashinostroenie* no. 6:48 N-D '62.

STEEL CASTINGS—CLEANING

The MZT-1 semiautomatic machine for cleaning steel castings. N. N. Kostlukov. *Mashinostroenie* no. 6:49-50 N-D '62.

STEEL CASTINGS—DEFECTS

Effect of the thermal resistance of foundry molds on the formation of shrinkage cavities in steel castings. A. E. Krivosheev, N. M. Fetisov. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:160-166 '63.

STEEL CASTINGS—METALLOGRAPHY

Form of graphite inclusions in graphitic steel. E. N. Pogrebnoi. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1: 139-146 '63.

STEEL CASTINGS—TESTING

Effect of the teeming temperature on properties of cast steel. I. U. A. Shul'te, S. I. Gladkii, V. S. Speranskii. *Mashinostroenie* no. 6:43-44 N-D '62.

STEEL FORGINGS

Generson, I. G. [Production of disk forgings for turbines and compressors]. *Proizvodstvo pokovok turbinnykh i kompressornykh diskov.* Moskva, Mashgiz, 1962. 277 p.

STEEL FORGINGS—LUBRICATION

Using new lubricants for the drop forging of steel. V. S. Povarov. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 2:25-26 '63.

STEEL INDUSTRY

(see also subdivision under France; Kuznetsk Basin; Magnitogorsk; Odessa)

Development of finished steel production in the U. S. S. R. R. Bogdanov, Vop. ekon. no. 1:150-153 Ja '63.

A river of metal; a feature story on our future steel plants. S. Andrievskii. *Ukraina* no. 13:9 JI '62.

STEEL INDUSTRY—BY-PRODUCTS see subdivision under Ukraine

STEEL INDUSTRY—PRODUCTION STANDARDS

Current tasks in establishing technical standards in ferrous metallurgy. V. Udovichenko. *Sots. trud* no. 12:73-77 D '62.

Well-organized labor norms are an important factor in the development of the steel industry. A. Logovatskii. *Sots. trud* 7 no. 6:70-75 Je '62.

STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS

Shanskii, V. A. [Economic efficiency of the reconstruction and expansion of enterprises in ferrous metallurgy]. *Ekonomicheskaiia effektivnost' rekonstruktsii i rasshireniiia predpriatii chernoi metallurgii.* Moskva, Metallurgizdat, 1962. 75 p.

STEEL INGOTS

Developing and investigating equipment for the hydraulic removal of scale from hot ingots. V. I. Zaleskii and others. *Kuz.-shtam. proizv.* 5 no. 1:21-24 Ja '63.

Gas segregation during the crystallization of low-carbon silicon steel. E. I. Moshelevich. *Stal'* 23 no. 1:34-37 Ja '63.

Investigating the solidification of large ingots of rectangular cross-section. E. M. Gol'dfarb and others. *Stal'* 23 no. 1:22-25 Ja '63.

Riser head with a two-layer lining. F. F. Sviridenko and others. *Metallurg* 8 no. 2:20 F '63.

STEEL INGOTS—CLEANING

Flame scarfing of stainless steel ingots and the preparation of slabs for rolling. V. A. Filonov and others. *Stal'* 23 no. 1:73-75 Ja '63.

STEEL PIPE see Pipe, Steel

STEELWORKERS see Iron and steel workers

STEELWORKS see Iron and steel plants

STELAZINE

Some problems concerning the use of stelazine in the clinical treatment of schizophrenia [with summary in English]. G. I. A. Avrutskii, I. A. Gurevich. *Trudy Gos. nauch.-issl. inst. psikh.* 35:189-208 '62.

Treatment of schizophrenia patients by means of stelazine; a clinical electroencephalographic study [with summary in English]. O. P. Vertogradova and others. *Trudy Gos. nauch.-issl. inst. psikh.* 35:175-188 '62.

STEL' MAKH, MYKHAILO PANASOVYCH

"Truth and falsehood" by M. Stel'makh. Reviewed by Dmytro Hryn'ko. *V mire knig* 2 no. 10:24-25 O '62.

STEPANAVAN DISTRICT—HYBRID CORN

Behavior of some corn hybrids in Stepanavan District [in Armenian with summary in Russian]. S. A. Sogomoni. *Izv. AN Arm. SSR, Biol. nauk* 15 no. 8:65-77 Ag '62.

STEPPE FLORA

(see also subdivision under Mikhaylovskaya Virgin Steppe Preserve)

Drought resistance of tree species in the steppe. M. L. Branovitskii, O. M. Poptsov. *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5:170-172 '62.

STEREOCHEMISTRY

Interconversion of cis and trans-1,2-dimethylcyclopentanes in the presence of platinum catalysts. A. L. Liberman and others. *Dokl. AN SSSR* 148 no. 3:581-584 Ja '63.

New area of stereochemistry of sugars, the study of their conformations. B. N. Stepanenko. *Usp. khim.* 31 no. 12:1437-1452 D '62.

Structure and reactivity of the condensation products of aromatic amines with aliphatic aldehydes. Part 2: Dipole moments and conformations of bis-ethylenediamines. V. I. Minkin, M. I. Gorelov, Zhur. ob. khim. 33 no. 2:647-652 F '63.

STEREOPHONIC SOUND SYSTEMS

Design data for a simple stereophonic radio phonograph. V. Elatimtsev. *Radio* no. 3:26-27 Mr '63.

The "Iauza-10" stereophonic magnetic tape recorder. M. Ganzburg, D. Kantor, A. Kotelnikov. *Radio* no. 2: 41-45 F '63.

STERIC HINDRANCE

Influence of high pressure on the steric course of tert-butylbenzene phenylation. M. G. Gonikberg, N. I. Prokhorova, E. F. Litvin. *Dokl. AN SSSR* 148 no. 1: 105-108 Ja '63.

STERILITY IN ANIMALS

(see also subdivision under Uzbekistan)

Controlling sterility in sheep. A. I. Lopyrin. *Zhivot. novodstvo* 23 no. 6:17-24 Je '61.

STERNBERGIA see subdivision under Apshoron Peninsula

STIBINE

Interaction of acetone cyanohydrin and allyl alcohol with trialkoxystibine. E. K. Ignatieva, E. V. Kuznetsov, Zhur. ob. khim. 33 no. 2:617-622 F '63.

STIGMATIZATION see subdivision under Ukraine, Western

STOCK AND STOCKBREEDING

(see also subdivision under Donetsk Province; Estonia; Kaushany District; Kazakhstan; Kirghizistan; Kokchetav Province; Krasnodar Territory; Krasnoyarsk Territory; Omsk Province; Siberia; Soviet Central Asia; Ukraine; Ulanom, Mongolia; Virgin Territory)

[Agriculture abroad: Animal husbandry] Sel', khoz, za rub., Zhivotnovodstvo 9 '62.

(DNAL)

Akademii nauk SSSR. Institut biologicheskoi fiziki. Sektsiia po ultravioletovomu izlucheniui. [Recommendations for ultraviolet irradiation of farm animals and fowl] Rekomendatsii po ultravioletovomu obluchenitiu sel'skokhoziaistvennykh zhivotnykh i ptits. Moskva, Izd-vo Akad. nauk SSSR, 1962. 48 p.

(DNAL)

"Animal husbandry in the seven-year plan" by E. I. Bugrimov. Zhivotnovodstvo 23 no. 6:95-96 Je '61.

Let us explore all the possible means of the rapid development of stock farming. Agitator no. 13:9-11 Ji '62.

Nauchno-proizvodstvennaia konferentsiia po primenenitiu tkanevnykh preparatov po V. P. Filatovu v zhivotnovodstve i veterinarii. Odessa, 1960. [Tissue preparations in animal husbandry] Tkanevnye preparaty v zhivotnovodstve i materialy. Kiev, Gosset'khozizdat, USSR, 1962. 235 p.

New method for determining the fatness of farm animals by ultrasonic waves. P. E. Ladan, M. E. Krasnov. Zhivotnovodstvo 23 no. 7:77-78 Ji '61.

Plenum of the Coordination Council of the Lenin All-Union Academy of Agricultural Sciences on the increase of meat and milk production. Zhivotnovodstvo 23 no. 5: 77-78 My '61.

Responses to our articles. D. E. Boboshko, L. A. Zhdanova. Zhivotnovodstvo 23 no. 5:86 My '61.

Review of "Trudy" of the Troitsk Veterinary Institute. Vol. 7. Zhivotnovodstvo 23 no. 6:96 Je '61.

Selected works" by E. F. Lisakun. Reviewed by E. A. Novikov. Zhivotnovodstvo 23 no. 8:95-96 Ag '61.

Tkachuk, H. I. [How we fatten and finish livestock] Kak my vichodovujemo i doroshchujemo khudobu. Kyiv, Dorzhsil'hozvydav URSS, 1962. 77 p.

(DNAL)

Within the reach of all. E. Borisenko, IU. Leskov. Tekh. v sel'khoz. 22 no. 7:29-32 Ji '62.

STOCK AND STOCKBREEDING—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vol. nos. 1-2, 4-6 Ja-Mr '63.

STOCK AND STOCKBREEDING—BIBLIOGRAPHY see Bibliography—Stock and stockbreeding

STOCK AND STOCKBREEDING—CONGRESSES

Conference on biological principles underlying the improvement of the meat quality in farm animals. K. D. Svecin. Zhivotnovodstvo 23 no. 8:92-93 Ag '61.

STOCK AND STOCKBREEDING—FEEDING AND FEEDS

Intensive type of cattle feed. V. K. Dyman. Shkola i proizvod. 7 no. 1:57-62 Ja '63.

STOCK AND STOCKBREEDING—FINANCE see subdivision under Samoylovka District; Zhitomir Province

STOCK AND STOCKBREEDING—PERIODICALS

Meeting of the readers of the Journal "Zhivotnovodstvo" in Alma-Ata. Zhivotnovodstvo 23 no. 8:94 Ag '61.

STOCK AND STOCKBREEDING—STUDY AND TEACHING

Experimental work of students in animal husbandry. S. Kasymaliev. Biol. v shkole no. 5:51-53 S-O '62.

STOCKINGS see Hosiery

STOCKJUDGING

Judging the constitution of cattle on the "Maslovskii" State Farm by Professor N. N. Kolesnik's method. F. Karkacheva. Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:227-228 '62.

STOMACH

Gastric lavage in alkali poisonings. D. IA. Khalikov. Vrach, delo no. 11:132-133 N '62.

STOMACH—CANCER

(see also subdivision under Erivan)

Effect of cardiac cancer of the stomach on the vagus nerves of the diaphragmatic region. V. G. Ivanova. Klin. khir. no. 12:54-57 D '62.

Modern state of x-ray diagnosis of stomach cancer. V. A. Panardzhian, G. A. Daniellian. Vop. rent. i onk. 6:233-241 '61.

Plastic surgery of the large intestine in gastrectomies necessitated by cancer. G. A. Daniellian. Vop. rent. i onk. 6:243-248 '61.

STOMACH—DIVERTICULA

Diverticula of the stomach and the duodenum [in Georgian with summary in Russian]. M. E. Komekhidze. Trudy Inst. ekep. i klin. khir. i gemat. AN Gruz. SSR 10: 177-182 '62.

STOMACH—INNERVATION

Effect of the denervation of the pyloric portion of the stomach on the secretory activity of the gastric pouch isolated by I. P. Pavlov's method [in Georgian with summary in Russian]. G. N. Demetradze. Trudy Tbil. GIDUV 6:285-293 '62.

Morphology of the intramural nervous system of the stomach in beavers. T. Rakova. Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:103-106 '62.

STOMACH—RADIOGRAPHY

X-ray study of functional disorders of the stomach and the duodenum in calculous and non-calculous cholecystitis. B. B. Khanbabian. Vop. rent. i onk. 6:67-75 '61.

STOMACH—SECRETIONS

Effect of the denervation of the pyloric portion of the stomach on the secretory activity of the gastric pouch isolated by I. P. Pavlov's method [in Georgian with summary in Russian]. G. N. Demetradze. Trudy Tbil. GIDUV 6:285-293 '62.

Effect of the removal of a portion of the pancreatic gland on the second phase of gastric secretion. IU. N. Leporinskii. Fiziol. zhur. 48 no. 12:1471-1478 D '62.

Excretion by the stomach of neutral red dye in gastric achylia [with summary in English]. L. I. Zhukovskii. Vrach, delo no. 11:10-16 N '62.

Secretory function of the stomach in the case of an artificial esophagus [with summary in English]. IA. P. Boiko. Vrach, delo no. 11:3-7 N '62.

STOMACH—SURGERY

Accelerated method for isolating Pavlov's pouch. N. V. Danilov. Fiziol. zhur. 48 no. 12:1521-1522 D '62.

Bile flow into the intestine following the resection of the cardiac portion of the stomach preserving the right vagus nerve. I. I. Tkachuk. Klin. khir. no. 12:49-54 D '62.

Chemical burns of the stomach and their treatment [with summary in English]. A. S. Komarov, S. I. Kotomina. Sov. med. 26 no. 12:13-16 D '62.

Cholecystographic data in patients with resected stomach. V. I. Lemesheko. Vrach, delo no. 11:127-129 Ja '63.

Data on the surgical treatment of cancer of the esophagus and the cardiac section of the stomach [in Georgian with summary in Russian]. D. P. Shotadze, Z. L. Zodelava. Trudy Tbil. GIDUV 6:81-88 '62.

Determining the dimensions for resection of the stomach in peptic ulcers [with summary in English]. A. I. Gorbashko. Vest. khir. 88 no. 11:19-24 N '62.

External secretion from the pancreas following the experimental resection of the cardiac portion of the stomach preserving the right vagus nerve. N. S. Vusik. Klin. khir. no. 12:57-60 D '62.

Levin, M. M. [Repeated surgery in stomach diseases following operations] Povtornye operatsii pri zabolovaniiakh operirovannogo zheludka. Khar'kov, Izd-vo Khar'kovskogo gos. univ., 1961. 177 p. (Khar'kov. Meditsynskii institut, Trudy, vol. 56)

(DNLM)

STOMACH—ULCERS

Mechanism of the formation of an atophan-induced stomach ulcer in dogs. L. S. Gracheva. Fiziol. zhur. 48 no. 12:1470-1483 D '62.

STOMACH—WOUNDS AND INJURIES

Isolated burn of the stomach caused by concentrated sulfuric acid. M. D. Zabolotnyi. Klin. khir. no. 11: 82-83 N '62.

STONE, CRUSHED

Develop the extraction of rock, gravel and sand using hydraulic engineering machinery. N. Kholin. Na stroi. Ros. 3 no. 3:5-7 Mr '62.

STONE AGE see subdivision under Europe, Eastern; Kirovskan region; Petushinskii District; Samara Valley

STONECUTTING

Interdependency of the power required to cut rock and the degree of dispersion of material produced during destruction. I. A. Ter-Azar'ev. Stroi. mat. 9 no. 2: 35-37 F '63.

STONY TUNGUSKA VALLEY see Podkamennaya Tunguska Valley

STORAGE AND MOVING TRADE see subdivision under Moscow

STORAGE BATTERIES

A new zinc-nickel storage battery. N. A. Zhulidov, F. I. Efremov. Vest. elektroprom 34 no. 2:74-75 F '63.

STORAGE BATTERIES—TESTING

A storage battery testing device with a polarity switch. P. A. Gorbakov. Avtom., telemekh. i aviaz. 7 no. 1: 38 Ja '63.

STORES, RETAIL

(see also subdivision under Moscow; United States) Standard design for a school store. V. Kokurin. Sov. torg. 36 no. 1:53-55 Ja '63.

STORES, RETAIL—DESIGN AND CONSTRUCTION

New standards for the design of stores. V. Nesov. Zhil. stroi. no. 1:6-7 '63.

STOVES

Semigas combination boiler and stove. N. Flegontov. Sel', stroi. 15 no. 3:18-19 Mr '60.

STRAIN GAUGES

Strain and pressure pickup. I. I. Vasin, S. N. Vysokovskii, G. G. Rannov. Priborostrouenie no. 1:28 Ja '63.

STRAINS AND STRESSES

Accumulation of fatigue damage and strength analysis in case of nonstationary variable stresses. S. V. Serensen, L. A. Kozlov. Vest. mashinostr. 43 no. 1:32-34 Ja '63.

Applicability of some plasticity theories for describing complex processes of loading [with summary in English]. R. A. Vasin, T. D. Karimbaev. Vest. Mosk. un. Ser. I:Mat., mekh. no. 6:62-64 N-D '62.

A condition for simple loading in an inhomogeneous medium [with summary in English]. A. G. Zhuravlev. Vest. Mosk. un. Ser. I:Mat., mekh. no. 6:39-42 N-D '62.

Deformations and strains occurring in a band saw during operation. E. D. Dobrynin. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:123-127 '62.

Distribution of relations between static and fatigue characteristics in the steel hardening and tempering process. V. M. Grebenik, M. A. Tytkin. Izv. vys. ucheb. zav.; Chern. met. 6 no. 1:125-127 '63.

Evaluating tendencies toward the formation of slip bands in sheet steel by results of testing. N. P. Kolesnikov. Kuz.-shtam, proizv. 5 no. 2:19-21 F '63.

Evaluating the relaxation resistance of wire for prestressed reinforced concrete constructions. V. I. Kokhno. Stal' 23 no. 2:174-175 F '63.

Formation of slip bands during plastic sheet metal forming processes. A. D. Tomlenov. Kuz.-shtam, proizv. 5 no. 2:17-19 F '63.

Internal stresses developed in the process of formation and aging of nitrocellulose coatings. N. L. Maslennikova and others. Lakokras. mat. i ikh prim. no. 1:15-18 '63.

Investigating stress concentrations in a plastic area by means of photoelastic coatings. M. Kh. Akhmetzianov. Izv. AN SSSR, Otd. tekhn. nauk. Mekh. i mashinostr. no. 1: 159-162 Ja-F '63.

"Loads and effects. Standards for design." Bui. stroi. tekhn. 20 no. 2:5-6 F '63.

Macroscopic strains in elastic bodies. M. IA. Leonov, K. N. Rusinok. PMTF no. 1:104-110 Ja-F '63.

Methods of approximation for calculating residual welding stresses in one-pass joint welding. V. S. Ignat'eva. Sbor. trud. MISI no. 18:83-100 '62.

On the theory of compound media. D. D. Ivlev. Dokl. AN SSSR 148 no. 1:64-67 Ja '63.

Plasticity bands arising under tensile stress applied to plates with cracklike concentrators. M. IA. Leonov, P. M. Vitvitskii, S. IA. Laremba. Dokl. AN SSSR 148 no. 3:541-544 Ja '63.

Regularities of the transition from deformation in rubber rings or end-bound rubber cylinders to the axial strain of the cylinder. B. M. Goralsk and others. Kauch. i rez. 22 no. 2:25-27 F '63.

Role of tangential stresses in the formation of structures in the Gornyy Altai. I. F. Pozharinskii. Izv. AN SSSR. Ser. geol. 28 no. 2:22-29 F '63.

Solution of nonlinear three-dimensional problems of structural mechanics [with summary in English]. M. Stavratski. Dop. AN URSSR no. 12:1591-1594 '62.

Strained state of rails in the zone of concentrated action of a load. L. P. Birichevskii, N. N. Butorin, V. V. Shchelkunov. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5: 67-72 '62.

Stress concentration around a circular hole reinforced with a rigid sleeve in a cylindrical orthotropic shell [with summary in English]. O. M. Huzi. Dop. AN URSSR no. 12:1594-1597 '62.

Study of the internal stresses arising during the manufacture of articles of glass textile-type materials. I. A. Kozlov, I. V. Lebedev. Plast. massy no. 1:74-75 '63.

Study on models of the distribution of stresses generated in a medium by the activity of the pressure on the walls of a charged chamber. L. I. Baron, V. F. Trumbachev. Vzryv. rab. no. 3:34-50 '60.

Temperature variations due to elastic strains [with summary in English]. V. S. Khomenko. Inzh. fiz. zhur. 6 no. 2:88-94 F '63.

Yield points in commercial-grade nickel. L. M. Rybakova, R. F. Merenkova. Metalloved. i term. obr. met. no. 1:29-30, 35 Ja '63.

STRANGLING

Expertise on self-strangulation. IU. P. Efimov, A. K. Krasnov. Sud.-med. ekspert. 6 no. 1:52-53 Ja-Mr '63.

STRASHENY DISTRICT—VETERINARY MEDICINE

Keeping young cattle in good health. P. I. Kal'nitskii. Veterinarika 38 no. 10:30-32 O '61.

- STRATEGY**
"Thinking about the unthinkable" [in English] by Herman Kahn. Reviewed by I.U. Sheidn. Mir, ekon. i mezhduar. otn. no. 1:141-146 '63.
- STRATIGRAPHIC GEOLOGY** see Geology, Stratigraphic
- STRATIGRAPHIC PALEONTOLOGY** see Paleontology, Stratigraphic
- STRAW**
Grain harvesting with simultaneous straw chopping. M. Komarova. Tekh. v sel'khoz. 22 no. 7:80-82 JI '62.
Groups of machinery for harvesting straw. M. Shibaev, V. Mel'man. Tekh. v sel'khoz. 22 no. 7:20-24 JI '62.
Stacking of chopped straw. A. Gorshkov. Tekh. v sel'khoz. 22 no. 7:25-28 JI '62.
- STREET LIGHTING**
The "Gorsvet" automatic photoelectric device. G. Evstiumichev. Zhil.-kom. khoz. 12 no. 10:23 O '62.
- STREET LIGHTING—EQUIPMENT AND SUPPLIES**
Device for turning on street lights. V. Babul'. Zhil.-kom. khoz. 12 no. 8:25 Ag '62.
- STREET RAILWAY MOTORS** see Electric railway motors
- STREET RAILWAYS**
(see also subdivision under Leningrad; Moscow)
Efficiency promoters did this. V. Artem'ev. Zhil.-kom. khoz. 12 no. 8:18 Ag '62.
Wire-reinforced cross-ties for streetcars. V. Khitsenko. Zhil.-kom. khoz. 12 no. 8:17-19 Ag '62.
- STREET RAILWAYS—DESIGN AND CONSTRUCTION**
Sosiants, V. G. [Present-day design and construction of street railways] Sovremennye konstruktivnye tramvalnykh putel. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 147 p.
- STREET TRAFFIC** see City traffic
- STREETCARS**
Some problems of the interaction of streetcar rolling stock and the track. I.U. Zilberbrand. Zhil.-kom. khoz. 12 no. 8:19 Ag '62.
- STREETCARS—CLEANING**
Mechanical cleaning of streetcars. I. Sabel'nikov. Zhil.-kom. khoz. 12 no. 8:26-27 S '62.
- STREETCARS—MAINTENANCE AND REPAIR**
(see also subdivision under Leningrad)
Bondarevskii, D. I. [Operation and repair of streetcars and trolley buses in the depot] Ekepluatatsia i remont tramvalnykh vagonov i trolleibusov v depo. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 180 p.
Skachkov, A. I. [Present-day methods of streetcar maintenance and repair] Sovremennye metody tekhnicheskogo obsluzhivaniia tramvalnykh vagonov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 133 p.
Winter is a stern inspector. O. Tirkakh. Zhil.-kom. khoz. 12 no. 10:15 O '62.
- STRENGTH OF MATERIALS**
Effect of anisotropy and temperature on the strength of KAST-P vitreoplastic under compression [with summary in English]. A. A. Krytsuk. Dop. AN URSS no. 12:1600-1602 '62.
Effect of diffusive penetration of a melt on the ultimate strength of steel [with summary in English]. M. I. Chaieva'skiy. Dop. AN URSS no. 12:1603-1607 '62.
Estimation of the resistance to ultimate failure and some characteristics of deformation in a complex stressed state. I. I. Trunin. PMTF no. 1:110-114 Ja-F '63.
Evaluation of stress-rupture strength of materials by parametric methods. I. I. Trunin. Zav. lab. 29 no. 3: 344-352 '63.
Stress dependence of rupture time in the cracking of rubbers in aggressive media [with summary in English]. I. U. S. Zuev, S. I. Pravednikova, T. V. Likhtman. Vysokom. soed. 5 no. 2:262-268 F '63.
Theoretical strength of materials. A. A. Zhukhovitskii, M. A. Krishtal. Dokl. AN SSSR 149 no. 1:88-89 Mr '63.
Verizhenko, E. P., and I. A. D. Livshits. [Statics of structures] Statika sooruzhenii. 3. Izd. Moskva, Vysshiaia shkola, 1962. 306 p.
- STREPTOMYCIN**
Changes in the vestibular analyzer under the influence of streptomycin [with summary in English]. V. S. Cherkasov. Zhur. ush., nos. i gorl. bol. 22 no. 4:51-56 JI-Ag '62.
- STRIKES AND LOCKOUTS**
(see also subdivision under Baku; France; Hungary; Rhodesia, Northern)
New rise of the workers' and national liberation movements. K. Maidanik, K. Kholodkovskii. Polit. samobr. 6 no. 10:63-73 O '62.
- STRIKES AND LOCKOUTS—COAL MINERS** see subdivision under France
- STRIKES AND LOCKOUTS—MERCHANT SEAMEN** see subdivision under Vancouver
- STRINDBERG, AUGUST, 1849-1912**
Blok and Strindberg [with summary in English]. D. M. Sharypkin. Vest. LGU 18 no. 2:82-91 '63.
- STRIP MINING**
(see also subdivision under Russia, Northern)
Moscow. Vsesoiuznyi tsentral'nyi proektnyi institut po proektirovaniu shakhtnogo stroitel'stva kamennougol'noi promyshlennosti. [Standard plans for mine development and transportation systems] Tipovye proekty sistem razrabotki i transporta na kar'erakh. Pod obshchiel red. N. V. Mel'nikova. Moskva, Gosgortekhnizdat.
Vol. 2. [The transportation system in mine development; the justification and calculation of standard layouts, elements, and technical and economic indices] Transportnaya sistema razrabotki, obosnovaniia i raschety tipovykh skhem, elementov i tekhniko-ekonomicheskikh pokazatelei. 1962. 462 p.
Reducing the volume of trenches in general stripping of deposits. V. I. Pechkovskii, A. A. Chernegov. Trudy Inst. gor. dela AN URSS no. 11:92-94 '62.
- STRIP MINING—COLD WEATHER OPERATIONS**
Determination of the winter reserves of minerals and their effect on the dimensions of transporter bridges. A. A. Chernegov, V. I. Pechkovskii. Trudy Inst. gor. dela AN URSS no. 11:101-105 '62.
- STRIP MINING—EQUIPMENT AND SUPPLIES**
Problems in the over-all mechanization and automation of open-pit workings. A. A. Bogomolov. Gor. zhur. no. 2:6-9 F '63.
Prospects for using continuous equipment in open pits of the U.S.S.R. V. P. Aksenov, I. I. Beliakov, A. N. Pinchuk. Gor. zhur. no. 2:10-13 F '63.
- STRONGYLOIDIASIS**
Origin of aplastic anemia in strongyloidiasis. I. U. Detsik, O. A. Shevchuk. Vrach. delo no. 1:118-119 Ja '63.
- STRONTIUM**
Burkov, V. V. and E. K. Podporina. [Strontium; mineralogy, geochemistry, and main types of deposits] Strontii; mineralogiia, geokhimiia i glavnye tipy mestorozhdenii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 178 p. (Akademika nauk SSSR. Institut mineralogi, geokhimi i kristalloghimi redkikh elementov. Trudy, no. 12)
"Kallistrontite," a new potassium strontium sulfate. M. L. Voronova. Zap. Vses. min. ob-va 91 no. 6:712-717 '62.
Sorptions of microquantities of strontium and cesium by vermiculite. V. M. Nikolaev, V. F. Bagretsov, V. M. Lebedev. Radiokhimiia 5 no. 1:32-37 '63.
- STRONTIUM FERRATES—MAGNETIC PROPERTIES**
Effect of texture on the magnetic properties of mixed barium and strontium ferrites. E. S. Borovik, N. G. Iakovleva. Fiz. met. i metalloved. 14 no. 6:927-930 D '62.
- STRONTIUM ISOTOPES**
Determination of Sr-90 and Ce-144 in samples by extraction. F. I. A. Rovinskii, V. V. Ispravnikova. Atom. energ. 14 no. 3:285-289 Mr '63.
Isolation of carrier-free Y90 from the mixture Sr-90 + Y90 by extraction with diethylphosphoric acids. S. A. Potapova. Radiokhimiia 5 no. 1:110-114 '63.
- STRONTIUM ISOTOPES—PHYSIOLOGICAL EFFECT**
Effect of strontium-90 on the eggs and larvae of Coregonus lavaretus ludoga Poi [with summary in English]. G. F. Fedorova. Vest. LGU 18 no. 3:48-53 '63.
- STRONTIUM ISOTOPES—RADIOACTIVE PROPERTIES**
Shift of radioactive equilibrium between Sr-90 and Y90 in lake waters. G. A. Sereda, F. I. A. Rovinskii. Atom. energ. 14 no. 3:328-327 Mr '63.
- STRONTIUM OXIDES**
Reduction of barium and strontium oxides by aluminum. G. N. Kozhevnikov. TSvet. met. 36 no. 2:53-56 F '63.
- STROPHANTHIN**
Effect of phlorizin and strophanthin on the secretion of glucose and sodium with the urine of dogs. A. S. Oganesian. Izv. AN Arm. SSR, Biol. nauki 15 no. 8:39-44 Ag '62.
- STRUCTURAL FRAMES—WELDING** see subdivision under Kachkanar region
- STRUCTURAL STEEL** see Steel, Structural
- STRUCTURES, THEORY OF**
Kuz'min, N. L., V. G. Rekach, and G. I. Rozenblat. [Collection of problems for a course in structural mechanics; pt. I - Problems, pt. II - Answers and solutions] Shornik zadach po kursu stroitel'noi mekhaniki; ch. I - Zadachi, ch. II - Otveti i resheniia. Pod red. I. M. Rabl'ovicha. Izd. 2., perer. Moskva, Gosstroizdat, 1962. 331 p.
- STRYCHNINE—PHYSIOLOGICAL EFFECT**
Effect of gamma-aminobutyric acid on the strychnine-induced potential of the cerebral cortex. A. S. Batuev, I. A. Sytinskii. Dokl. AN SSSR 147 no. 5:1242-1243 D '62.
- STUDENT ACTIVITIES**
(see also subdivision under Nikolayev Province; Sverdlovsk)
Before field practice. R. Budtuev. Prof.-tekh. obr. 19 no. 12:20-21 D '62.
By a common effort. G. Vlasov. Prof.-tekh. obr. 26 no. 2:13-14 F '63.
Extracurricular work. V. A. Andreenko. Prep. ist. v shkole 18 no. 1:94 Ja-F '63.
Friendship between two schools. V. P. Baryshnikov. Vech. sred. shkola 5 no. 5:28-28 S-O '62.
Good example. B. Mirakian. Shkola-int. no. 6:67-68 N-D '62.
Life demands a search for new things. Vest. vys. shkoly 21 no. 1:58-63 Ja '63.
Meetings devoted to a specific subject in correspondence schools. I. I. Tret'iakov. Vech. sred. shkola 5 no. 9: 56 N-D '62.
New forms of extracurricular work. N. Gritsenko. Prof.-tekh. obr. 19 no. 12:23-24 D '62.
Our student board. Z. B. Nagaev. Vech. sred. shkola 5 no. 5:47 S-O '62.
Socially useful work of students. I. U. Gohubiatnikov. Shkola i proizv. 7 no. 1:91 Ja '63.
Stimulating the work of students. S. Dem'ianchuk. Shkola i proizv. 6 no. 9:89-90 S '62.
Student help to fisheries. A. M. Petrov. Biol. v shkole no. 5:84-86 S-O '62.
"Work of schools and groups with longer hours." Reviewed by N. Fedorov. Shkola-int. no. 6:82-83 N-D '62.
- STUDENT EMPLOYMENT**
Pedagogical basis of the work norms for students. A. D. Sazonov. Shkola i proizv. 7 no. 1:5-7 Ja '63.
Student wages. K. Riabinin. Shkola i proizv. 7 no. 1: 90 Ja '63.
- STUDENT TEACHING** see subdivision under Bashkiria
- STUDENTS** see subdivision under Leningrad; Mongolia; Moscow
- STUDENTS—EMPLOYMENT**
Legal status of the students of institutions of higher learning and technical schools during the training period. A. Troshin. Sots. trud 8 no. 2:122-128 F '63.
- STUDENTS, AFRICAN** see subdivision under Moscow
- STUDENTS, CUBAN**
Machine operators for Cuba. I. Bondarev, K. Musienko. Prof.-tekh. obr. 20 no. 2:9 F '63.
- STUDENTS, FOREIGN**
To accelerate the assimilation of the Russian language by foreign students. G. I. Makarova, V. E. Mikhailenko. Vest. vys. shkoly 21 no. 2:47-49 F '63.
- STUDENTS' SOCIETIES**
Work of the Central Bureau of Proletarian Students in the field of ideological and political education in the years 1923-1926. B. N. Voskoboinikov. Trudy MGAI 16:103-112 '61.
- STUDY, METHOD OF**
More on mutual teaching. T. Basiev. Nar. obr. no. 2: 38-42 F '63.
Moscow. Vsesoiuznyi iuridicheskii zaochnyi institut. [Study instructions for students preparing for state examinations] Metodicheskie ukazaniia dlia studentov kursa po podgotovke k gosudarstvennym ekzamenam. Moskva, 1960. 133 p. (CLL)
- STUPINO—WOODPULP INDUSTRY**
The Stupino paperboard factory is a shock construction project. M. M. Dymshita. Bum. prom. 38 no. 1:5 Ja '63.
- STURGEONS**
(see also subdivision under Kuybyshev Reservoir)
Biological differences in sturgeon eggs and their effect on the development of larvae in cultivation. K. I. Somenov. Vop. ikht. 3 no. 1:89-112 '63.
Ecological and physiological characteristics of the blood of sturgeons. P. A. Korzhuev. Vop. ikht. 3 no. 1:152-157 '63.
- STYRENE**
Addition of α -chloroalkyl ethers to styrene and the transformations of 1-phenyl-1-chloro-3-methoxybutane obtained. S. A. Vartanian, F. V. Dangian. Izv. AN Arm. SSR, Khim. nauki 15 no. 5:443-447 '62.
Chemistry of divinylacetylene and its halo derivatives. Part 8: Copolymerization of trans-2, 3, 4, 5-tetrachloro-2, 3, 5-hexatriene with styrene, acrylonitrile, and vinyl acetate [with summary in English]. A. N. Akopian, G. E. Kravskan. Vysokom. soed. 5 no. 2:201-205 F '63.

STYRENE (Continued)

Copolymers of unsaturated glycidol esters. Copolymerization of glycidyl methacrylate with styrene. M. F. Sorokin, I. M. Kochnov. *Plast. massy* no. 1:7-11 '63.

Effect of the nature of ether on the copolymerization of styrene and divinyl by butyllithium [with summary in English]. S. P. Mitsengender and others. *Vysokom. soed.* 5 no. 2:212-218 F '63.

Synthesis of α -aminostyrene [with summary in English]. V. H. Syniava'kyi, A. I. Turbina, M. I. A. Romankevich. *Dop. AN URSR* no. 12:1622-1624 '62.

STYRENE POLYMERS

Economic features of the methods of polystyrene manufacture. N. P. Kocherov, N. P. Fedorenko. *Plast. massy* no. 1:53-55 '63.

Influence of nonionogenic surface-active substances on aggregative stability of polystyrene latex stabilized by sodium oleate. E. M. Aleksandrova, L. A. Shita, I. P. Romm. *Dokl. AN SSSR* 148 no. 3:637-640 Ja '63.

Macromolecular derivatives of α -methylstyrene. Part 2 Chloromethylation of copolymers of α -methylstyrene with divinylbenzene [with summary in English]. A. B. Davankov, I. Santo, P. M. Lilo. *Vysokom. soed.* 5 no. 2:238-242 F '63.

Polystyrol adhesive. L. Vol-Rabinovich. *Mest. prom. i khud. promys.* 3 no. 12:30 D '62.

Synthesis and polymerization of styrene derivatives. Synthesis of chloro derivatives of styrene. A. V. Golubeva and others. *Plast. massy* no. 2:3-8 '63.

STYRENE POLYMERS—ELECTRIC PROPERTIES

Dielectric properties of styrene stereocopolymers. P. F. Veselovskii, E. P. Vorob'eva. *Plast. massy* no. 2:6-11 '63.

STYRIKOVICH, MIKHAIL ADOL'FOVICH, 1902-

Mikhail Adol'fovich Styrikovich on his 60th birthday. *Elek. sta.* 33 no. 12:88 D '62.

SUBCONSCIOUSNESS

"Problem of subconsciousness in psychology" by A. T. Bochorishvili. Reviewed by I. T. Bzhalava. *Trudy Inst. psikhol. AN Gruz. SSR* 13:243-255 '62.

SUBLIMATION (PHYSICAL SCIENCES)

Effect of the radiant component on the nature of heat transfer in sublimation under vacuum [with summary in English]. P. A. Novikov. *Inzh. i fiz. zhur.* 5 no. 12: 80-83 D '62.

SUBMARINE BOATS

(see also subdivision under United States)

Tactical training of the flight personnel in antiaircraft aviation. A. G. Kiklevich. *Mor. sbor.* 46 no. 2:56-59 F '63.

SUBMARINE BOATS—EQUIPMENT AND SUPPLIES

Improvement of water softening on submarine boats. N. A. Astratov. *Mor. sbor.* 46 no. 2:70-73 F '63.

SUBMARINE GEOLOGY see subdivision under Caspian Sea; Soviet Far East

SUBMARINE WELDING AND CUTTING see Underwater welding and cutting

SUBPOENA

The writs of subpoena. O. Stepanova. *Sov. iust.* no. 2: 27 Ja '63.

SUBSTITUTES FOR METALS see Metals, Substitutes for

SUBSTITUTION (CHEMISTRY)

Chemistry of some α -substituted 1,3-alkadienes. I. I. Guseinov, G. S. Vasil'ev. *Usp. khim.* 32 no. 1:40-59 Ja '63.

Kinetics of the substitution reaction of chlorine atoms in some aryl- β -chlorovinyl ketones. T. A. Kudriavtseva, N. M. Chirkov, N. K. Kochetkov. *Dokl. AN SSSR* 146 no. 2:347-349 Ja '63.

SUBVERSIVE ACTIVITIES see subdivision under United States

SUBWAYS

(see also subdivision under Moscow)

Precast reinforced concrete in the bearing elements of subway stations. O. I. Antonov. *Transp. stroi.* 12 no. 9:50-51 S '62.

SUBWAYS—AUTOMATIC TRAIN CONTROL see subdivision under Moscow

SUBWAYS—STATIONS see subdivision under Leningrad; Moscow

SUCCINAMIC ACID

Preparation of acids via furan derivatives. Part 7: Synthesis of benzoylasparagine and benzoylasparagine. A. P. Terent'ev, R. A. Gracheva, N. M. Mikhailova. *Zhur. ob. khim.* 33 no. 2:581-583 F '63.

SUCCINIC ACID

Use of a double tag for detecting glycine formed from (methylene- C^{14}) succinic acid as a result of carbon-14 β -decay. V. D. Nefedov and others. *Zhur. ob. khim.* 33 no. 2:339-342 F '63.

SUCROSE

Druzhinin, I. G., and others. [Reaction of saccharose with sodium, potassium, calcium, and magnesium chlorides] *Vzaimodeistvie sakharozy s khloridami natriya, kal'ia, kal'tsia i magniya*. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 145 p.

SUDAN—DESCRIPTION AND TRAVEL

In the land of date palms. V. Abramov. *Az. i Afr. seg.* no. 2:31-33 F '63.

SUDAN—ECONOMIC CONDITIONS

Along the roads of Sudan. K. Matrosov. *Az. i Afr. seg.* no. 3:35-37 Mr '63.

SUDAN GRASS

Make fuller and better use of Sudan grass by obtaining several harvests. M. F. Sarre. *Zhivotnovodstvo* 23 no. 8:70-72 Je '61.

Sudan grass as economic green fodder. I. V. Vsevolozhskii, A. F. Galkin, V. I. Grigor'ev. *Zhivotnovodstvo* 23 no. 5:54-55 My '61.

SUPFOCATION see Asphyxia

SUGAR

Using the method of flame photometry for determining potassium and sodium content of sugar products. V. A. TSirkul'. *Trudy TSINS* no. 7:74-86 '60.

SUGAR—TRANSPORTATION

TSitelashvili, M. I., and V. S. Pavlov. [Modern methods for the loading and unloading of unrefined sugar in harbors] *Sovremennye sposoby peregruzki sakharasyrtsa v portakh*. Moskva, Izd-vo "Morskoi transport," 1962. 89 p. (Biblioteka obmena opytom na morskoi transporte)

SUGAR BEET BREEDING see subdivision under Ukraine

SUGAR BEETS

(see also subdivision under Moldavia; Odessa Province; Udmurt A. S. S. R.; Ukraine)

Advanced technology of growing and harvesting sugar beets on the state and collective farms of the Russian Federation. Inform. bliz. VDNKH no. 2:20 F '62.

Foliar nutrition of sugar beets and photosynthesis. D. Saitova. *Sbor. stud. nauch. i issl. rab. VSKHI* 1 no. 1:63-65 '62.

Methods for growing monospermous mother sugar beets. T. Tibir'kov. *Sbor. stud. nauch. i issl. rab. VSKHI* 1 no. 1:61-62 '62.

Practices of M. V. Gubanov's highly productive team on the Kirov Collective Farm in Anna District, Voronezh Province. G. Gutchenko. *Sbor. stud. nauch. i issl. rab. VSKHI* 1 no. 1:27-31 '62.

SUGAR BEETS—DISEASES AND PESTS see subdivision under Soviet Central Asia

SUGAR BEETS—FERTILIZERS AND MANURES

Treating monospermous sugar beet seeds with solutions of various fertilizers before sowing. R. Selezneva. *Sbor. stud. nauch. i issl. rab. VSKHI* 1 no. 1:67-68 '62.

SUGAR BEETS—STORAGE

Changes occurring in the composition of sugars during sugar beet storage. M. Z. Khelenskii, E. A. Vorob'eva, M. L. Pelts. *Trudy TSINS* no. 7:13-18 '60.

SUGAR INDUSTRY see subdivision under Zhabinka

SUGAR INDUSTRY—EQUIPMENT AND SUPPLIES

New method of comparison assaying of the various systems of diffusers. E. T. Koval', A. I. A. Zagorul'ko, A. A. Lipets. *Trudy TSINS* no. 7:171-175 '60.

Problems of the theory and design of a continuous diffuser. E. T. Koval', A. I. A. Zagorul'ko. *Trudy TSINS* no. 7:130-170 '60.

SUGAR MACHINERY

Studying the filtration of the extraction liquor in a cassette bed as applicable to rotary diffusers. E. T. Koval', A. I. A. Zagorul'ko, A. A. Lipets. *Trudy TSINS* no. 7:103-123 '60.

SUGAR MANUFACTURE

Determining the moisture content of sugar products. G. S. Benin, V. A. TSirkul'. *Trudy TSINS* no. 7:61-73 '60.

Determining the real surface area and equivalent thickness of the beet cassette. A. I. A. Zagorul'ko. *Trudy TSINS* no. 7:124-132 '60.

Effect of the velocity rate of the extraction liquor on the coefficient of diffusion of sugar from the beet tissue. A. T. Koval', A. I. A. Zagorul'ko, A. A. Lipets. *Trudy TSINS* no. 7:133-138 '60.

Investigating the returning of an overcarbonated first saturation juice for defecation under factory conditions. A. K. Kartashov, I. D. Golovniak, N. A. Maksimova. *Trudy TSINS* no. 7:19-24 '60.

Optimum reaction of the second carbonation juice. A. K. Kartashov, R. G. Zhizhina, N. A. Maksimova. *Trudy TSINS* no. 7:25-48 '60.

Studying the filtration of the extraction liquor in a cassette bed as applicable to rotary diffusers. E. T. Koval', A. I. A. Zagorul'ko, A. A. Lipets. *Trudy TSINS* no. 7:103-123 '60.

Testing the method of multistage defecation-saturation. A. K. Kartashov and others. *Trudy TSINS* no. 7:50-60 '60.

SUGARS

Changes occurring in the composition of sugars during sugar beet storage. M. Z. Khelenskii, E. A. Vorob'eva, M. L. Pelts. *Trudy TSINS* no. 7:13-18 '60.

New area of stereochemistry of sugars, the study of their conformations. B. N. Stepanenko. *Usp. khim.* 31 no. 12:1437-1452 D '62.

SUGGESTION SYSTEMS

(see also subdivision under Kazakhstan; Vilnius)

Increase the scope of efficiency work in financial organs. Kh. Khristchenovich and others. *Fin. SSSR* 37 no. 1: 62-68 Ja '63.

SUKHUMI DISTRICT—ANTIQUITIES

Results of the archaeological excavations in 1960 in Grot Khupynipshakhva. L. N. Solov'ev. *Trudy Abkhaz. inst. iaz., lit. i ist.* 32:191-195 '61.

Some results of the archaeological studies conducted in the village of Tsebel'da in Sukhumi District. M. M. Trapsh. *Trudy Abkhaz. inst. iaz., lit. i ist.* 32:187-190 '61.

SUKHUMI DISTRICT—EXCAVATIONS (ARCHAEOLOGY)

Results of the archaeological excavations in 1960 in Grot Khupynipshakhva. L. N. Solov'ev. *Trudy Abkhaz. inst. iaz., lit. i ist.* 32:191-195 '61.

Some results of the archaeological studies conducted in the village of Tsebel'da in Sukhumi District. M. M. Trapsh. *Trudy Abkhaz. inst. iaz., lit. i ist.* 32:187-190 '61.

SULFAMETHAZINE

Combined therapy of experimental melioidosis. L. E. Khundanov and others. *Veterinaria* 38 no. 10:55-57 O '61.

Indications of the use of amizil in depressive states of different nature [with summary in English]. I. V. Dmitriev. *Trudy Gos. nauch. i issl. inst. psikh.* 35: 288-296 '62.

Testing antibiotics and sulfadiazine in the paratyphoid fever of calves. F. D. Lukashenko. *Trudy Uz. nauch. i issl. inst. vet.* 14:21-25 '61.

Use of amizil (diazil) in the treatment of asthenic states developed under the influence of some professional factors [with summary in English]. R. G. Goidets. *Trudy Gos. nauch. i issl. inst. psikh.* 35:297-307 '62.

SULFANILAMIDE

Incompatibility of preoperative intratissual infiltration of novocaine solutions and the consecutive application of sulfanilamide powder to the wound. V. V. Varnikov. *Veterinaria* 37 no. 7:66-68 Ji '60.

SULFANILIDE

Sulfanilides. Part 7: Ethyl esters of N-arylsulfonyl-N-phenylcarbamate acid. L. P. Gluchko, Z. F. Solomko, M. S. Malinovsky. *Zhur. ob. khim.* 33 no. 2:612-613 F '63.

SULFATES

"Kalistronite," a new potassium strontium sulfate. M. L. Voronova. *Zap. Vses. min. ob-va* 81 no. 6:712-717 '62.

Obtaining diethyl sulfate. B. K. Zefnalov. *Azerb. nefl. khoz.* 41 no. 11:39-40 N '62.

SULFIDE ORES

Colorimetric determination of selenium and tellurium in sulfide ores. Report No. 2. V. M. Tarasov, Zh. M. Aratamian. *Izv. AN Arm. SSR. Khim. nauki* 15 no. 5:415-421 '62.

SULFIDES

(see also subdivision under Laura Valley)

"Vyssotskita," a new sulfide of palladium and nickel. A. D. Genkin, O. E. Zviagintsev. *Zap. Vses. min. ob-va* 81 no. 6:718-725 '62.

SULFITE LIQUOR

Preparation of calcium-free sulfite liquors for biochemical treatment. S. A. Sapozhnikov and others. *Gidroliz. i lesokhim. prom.* 16 no. 1:7-8 '63.

Yeast sorption by cellulose fibers and its effect on the fermenting of sulfite liquors. M. I. Kalluznyi. [Trudy] NTO bum. i der. prom. no. 8:214-220 '59.

SULFOCHLORINATION see Chlorosulfonylation

SULFONAMIDES

Amides of areniminosulfonic acids. E. S. Levchenko, E. S. Kozlov, A. V. Kirsanov. *Zhur. ob. khim.* 33 no. 2: 565-571 F '63.

Synthesis of amino sulfides and amino sulfones. Part 27: Synthesis of some salicylic acid sulfonamides. I. Kh. Feidman, N. M. Vinokurova. *Zhur. ob. khim.* 33 no. 2: 394-398 F '63.

SULFONES

Isomeric transformations of methyl (chloronaphthyl) sulfones. T. N. Gerasimova, V. A. Koptug. *Zhur. ob. khim.* 33 no. 2:601-606 F '63.

SULFONES (Continued)

Naphthalene series. Part 28: Alkaline fusion of disulfonic acids of 2,2'-dinaphthyl sulfone (5,5'- and 7,7'-dihydroxy-2,2'-dinaphthyl sulfones; 5-hydroxy-5'-sulfonic acid and 7-hydroxy-7'-sulfonic acid of 2,2'-dinaphthyl sulfone). V. V. Kozlov, G. S. Tshianskaya, Zhur.ob.khim. 33 no.2:660-664 F '63.

Naphthalene series. Part 29: Formation of aromatic disulfones. V. V. Kozlov and others, Zhur.ob.khim. 33 no.2:664-667 F '63.

SULFONIC ACIDS

Alkanesulfonic acids. Part 28: Halogenation of alkanesulfonic- α -aminopyridides. A. G. Kostova, Zhur.ob.khim. 33 no.2:595-596 F '63.

Mechanism of hydrolysis of aromatic sulfochlorides of alkyl and aryl sulfonates. R. V. Vizgert, Usp.khim. 32 no.1:3-39 Ja '63.

Preparation of alkylaryl sulfonates from a straight-run oil fraction. D. B. Orechkin and others, Khim.fiz.kh. topi, i masel 8 no.1:27-30 Ja '63.

Propargyl esters of arylsulfonic acids and some of their reactions. O. A. Frb, M. S. Malinovsky, Zhur.ob.khim. 33 no.2:653-657 F '63.

SULFONYL CHLORIDES

Mechanism of hydrolysis of aromatic sulfochlorides of alkyl and aryl sulfonates. R. V. Vizgert, Usp.khim. 32 no.1:3-39 Ja '63.

SULFOXIDE

Delignification of wood by dimethylsulfoxide. Report No.1. B. D. Bogomolov, O. P. Alekseev, Izv. vys. ucheb. zav.; les, zhur. 5 no.5:155-160 '62.

SULFUR

Experiments in the production of sulfur-free benzene. O. A. Semenova and others, Koks i khim. no.1:41-43 '63.

Oxidation of stored sulfur ores. G. I. Karavai, M. V. Ivanov, B. I. Srebrodolskii, Sov.geol. 5 no.12:133-139 D '62.

Production of sulfur by the reduction of sulfur dioxide with coke in a fluidized bed. L. G. Ritter, V. S. Udintseva, L. L. Mirolubova, Khim.prom. no.11: 844-848 N '62.

SULFUR—ISOTOPES

Sulfur isotopes in oil and gas fields of the Volga-Ural region and other regions of the Soviet Union. N. A. Ereminenko, R. G. Pankina, Geol.neft i gaza 9 no.9: 43-48 S '62.

SULFUR COMPOUNDS

Determining sulfurous compounds in sulfate turpentine. G. F. Prokshin, Izv. vys. ucheb. zav.; les, zhur. 5 no.5:161-167 '62.

SULFUR DIOXIDE

Production of sulfur by the reduction of sulfur dioxide with coke in a fluidized bed. L. G. Ritter, V. S. Udintseva, L. L. Mirolubova, Khim.prom. no.11: 844-848 N '62.

SULFURIC ACID

Effect of the nature of the organic substances on their solubilization in water solutions of primary and secondary alkyl sulfate mixtures. M. P. Besplatov, Zh. IA. Leshchenko, Masl.-zhir.prom. 29 no.1:23-26 Ja '63.

Moscow. Nauchnyi institut po udobreniyam i insektofungitsidam. [Combined contact-tower process for sulfuric acid manufacture] Kombinirovannyi kontaktno-bashennyy protsess polucheniya sernoi kisloty. Moskva, 1962, 39 p.

Production of sulfuric acid in wet catalysis shops by means of a joint processing of hydrogen sulfide and natural sulfur. A. P. Il'ichev, Koks i khim. no.2:42-43 '63.

Using spent sulfuric acid for purifying bright petroleum distillates. M. A. Mardanov, G. Z. Alekperov, Azerb. nefi.khoz. 41 no.4:37-39 Ap '62.

SULFURIC ACID—TRANSPORTATION

System for conveying sulfuric acid to the production sites. A. A. Sukhenko, Spirt.prom. 20 no.1:28-29 '63.

SUMMER RESORTS see subdivision under Ulan Bator region

SUN

Types of chromospheric flares (from "Bulletin" astronomicheskikh institutov Chekhoslovakii, no. 5, 1962). Priroda 52 no.2:112-113 '63.

SUNFLOWER SEED—STORAGE

Effect of the temperature on the keeping quality of dried seeds. V. M. Kopelevskii, G. I. Garbuzova, M. I. Riazantseva, Masl.-zhir.prom. 29 no.1:12-16 Ja '63.

SUNFLOWER SEED—TESTING

Evaluation of the technological characteristics of sunflower seeds of the new improved varieties. A. M. Goldovskii, M. G. Zaitseva, Masl.-zhir.prom. 29 no.1:7-11 Ja '63.

SUNSPOTS

Vitinakii, I. I. [Forecasting solar activity] Prognozy solnechnoi aktivnosti. Moskva, Izd-vo Akad. nauk SSSR, 1963, 150 p.

SUNTAR-KHAYATA RANGE—SNOW

Firns in the Suntar-Khayata Range. M. M. Koreisha, Sib.geog.sbor. no.1:177-183 '62.

SUPERCONDUCTIVITY

Allowing for Coulomb interaction in superconduction thermodynamics. V. A. Moskalenko, Dokl. AN SSSR 148 no.2:307-310 Ja '63.

Current stability and switching in a superconducting memory. S. I. Berkovich, Radiotekh. i elektron. 8 no.2:257-261 F '63.

Magnetic moments in small superconductors. Shui Lung-dao [Hui Lung-tao], G. F. Zharkov, Fiz.met. i metalloved. 15 no.1:154-156 Ja '63.

Phenomena of superconductivity. B. I. A. Zeldovich, Fiz. v shkole 22 no.6:80-84 N-D '62.

Superconducting ellipsoid in a magnetic field. G. F. Zharkov, Shui Lung-dao [Hui Lung-tao], Fiz.met. i metalloved. 15:12-17 Ja '63.

SUPERMARKETS see subdivision under Leningrad

SUPERSATURATED SOLUTIONS see Solutions, Super-saturated

SUPERSONIC TESTING see Ultrasonic testing

SUPERSONIC WAVES see Ultrasonic waves

SURFACE-ACTIVE AGENTS

Effect of active additives on the surface-active properties of azolat-B. M. A. Ashimov and others, Azerb. nefi.khoz. 41 no.5:35-38 My '62.

Effect of film-forming materials as surface-active agents on the process of pigment milling. M. A. Chupov, A. A. Trapeznikov, Lakokras.mat. i kh. prim. no.1:30-33 '63.

Influence of nontenogenic surface-active substances on aggregative stability of polystyrene latex stabilized by sodium oleate. E. M. Aleksandrova, L. A. Shits, I. P. Romm, Dokl. AN SSSR 148 no.3:837-840 Ja '63.

SURFACE CHEMISTRY

Surface chemical compounds on siliceous adsorbents and their role in adsorption phenomena. I. E. Nelmark, Neftekhimika 3 no.1:149-156 Ja-F '63.

SURFACE HARDENING

Hardening large parts by surface peening instead of heat treatment. M. I. A. Belkin, A. S. Venzhega, Metalloved. i term. obr.met. no.1:15-16 Ja '63.

Some characteristics of the structure of chilling layers. V. D. Kuznetsov, K. V. Savitskii, N. N. Sukharina, Fiz. met. i metalloved. 15 no.1:145-148 Ja '63.

Strengthening external surfaces of bodies of revolution. I. U. Ezerakii, Vest. mashinostr. 43 no.1:74-76 Ja '63.

Structure of the surface layer during the polishing of hardened eutectoid steel. L. I. Mirkin, Izv. vys. ucheb. zav.; chern.met. 6 no.1:117-119 '63.

Surface hardening of cast iron with ball heads. V. A. Belov, Vest. mashinostr. 43 no.1:70-74 Ja '63.

SURFACE MEASUREMENT

Determining the specific surface of powders and porous bodies. B. V. Deriagin, N. N. Zakhayeva, M. V. Talaev, Vest. AN SSSR 33 no.2:80-81 F '63.

SURFACE TENSION

Evaluating the composition of surface layers in oxide melts. V. G. Korpachev, O. A. Esin, S. I. Popel', Izv. vys. ucheb. zav.; chern.met. 6 no.1:5-7 '63.

Surface properties of melts based on CaF₂. I. U. P. Nikitin, V. G. Korpachev, A. N. Safronnikov, Dokl. AN SSSR 148 no.1:160-161 Ja '63.

Surface tension of iron and lime slags. U. Din-fen' [Wu Ting-fen], A. F. Vishkarev, V. I. Avoiskii, Izv. vys. ucheb. zav.; chern.met. 6 no.1:27-33 '63.

SURFACES

Aleksandrov, A. D., and V. A. Zalgaller. [Two-dimensional manifolds of bounded curvature; fundamentals of the internal geometry of surfaces] Dvumernye mnogo-obrazia organicheskoi krivizny; osnovy vnutrennei geometrii poverkhnosti. Moskva, Izd-vo Akad. nauk SSSR, 1962, 262 p. (Akademiya nauk SSSR. Matematicheskii institut, Trudy, vol. 63)

SURFACES (TECHNOLOGY)

Blizk, Sh. M. [Macroscopic geometry of machine parts] Makrogeometriya detalei mashin. Moskva, Mashgiz, 1962, 274 p.

Classification of oxygen cutting by the surface quality of the cuts. S. G. Guzov, Svar.proizv. no.2:42-44 F '63.

Effect of a hydrodynamic oil film on the wear resistance and durability of contact surfaces of machine parts. A. I. Petrusevich, Vest. mashinostr. 43 no.1:20-28 Ja '63.

SURFACES, DEFORMATION OF

On the deformation of surfaces of positive curvature with a boundary. G. S. Barkhin, V. T. Fomenko, Sib.mat. zhur. 4 no.1:32-47 Ja-F '63.

SURGERY—CONGRESSES

Eighth Leningrad City Scientific Conference of Young Surgeons, May 20-31, 1962, I. F. Pan'kina, K. N. Lazarev, I. N. Tshibin, Vest. khir. 89 no.11:147-154 N '62.

SURGERY, OPERATIVE

Dvuzhivnaya, E. D. [Electroencephalography in clinical surgery] Elektroencefalografiya v khirurgicheskoi klinike. Kiev [Gosmedizdat USSR] 1962, 148 p. (DNLM)

Use of artificial hypotonia in surgery [in Georgian with summary in Russian]. R. I. Kurdgelia, Trudy Tbil. GIDUV 6:339-341 '62.

SURGERY, OPERATIVE—STUDY AND TEACHING

Mirror screen for the demonstration of surgical operations. A. E. Zakharov, Klin.khir. no.11:91 N '62.

SURGERY, PLASTIC

Alloplastic restoration of the ligament apparatus of the knee joint. M. V. Gromov, Nauch.trudy Chetv. Mosk. gor.klin.bol'. no.1:95-104 '61.

Closing of the defects in the trachea and the bronchus with a flap from the wall of the opposite bronchus. O. I. Burdzhnadzze, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:153-155 '62.

Homoplastics of the abdominal aorta in an experiment [in Georgian with summary in English]. K. D. Eristavi and others, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:87-107 '62.

Innervation of S. A. Proskuriakov's spiral flap [with summary in English]. I. I. Kulev, Zhur.ush., nos. i gorl.bol. 22 no.4:56-61 Ji-Ag '62.

Momentary ileocolonic plastics in an extensive resection of the large intestine. V. I. Iukhtin, Nauch.trudy Chetv. Mosk. gor.klin.bol'. no.1:203-218 '61.

Plastic surgery of the esophagus using a flap of the diaphragm [in Georgian with summary in Russian]. S. M. Buachidze, Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:317-322 '62.

Plastic surgery of the large intestine in gastrectomies necessitated by cancer. G. A. Daniellian, Vop. rent. i onk. 6:243-248 '61.

SURGICAL DRAINAGE see Drainage, Surgical

SURGICAL INSTRUMENTS AND APPARATUS

Mask to facilitate strumectomy. A. A. Aslanian, Klin. khir. no.12:72 D '62.

SURGICAL OPERATIONS see Operations, Surgical

SURGICAL SOCIETIES

(see also subdivision under Donetsk Province; Kazakhstan; Kiev; Vinnitsa)

Minutes of the 53rd session of the Anesthesiological Section of the Pirogov Surgical Society, May 30, 1962. M. G. Shraiber, Vest. khir. 89 no.11:155-158 N '62.

Minutes of the 36th session of the Pediatric Surgery Section of the Pirogov Surgical Society. E. A. Suslennikova, Vest. khir. 89 no.11:158-160 N '62.

SURREALISM

Why is surrealism dangerous? I. Kulikova, Otv. na vop. trud. no.11:21-30 N '62.

SURVEYING—BIBLIOGRAPHY see Bibliography—Surveying

SURVEYS—PLOTING

The problem of using right-angle intersection when plotting the axes of dams and bridges. V. D. Krotov, Trudy DIT no.32:208-218 '61.

SUSLIKS see subdivision under Tajikistan

SUSPENSION BRIDGES see Bridges, Suspension

SUSPENSION ROOFS see Roofs, Suspension

SUTURES

Comparative evaluation of a one-row and two-row intestinal suture in an experiment [in Georgian with summary in Russian]. V. G. Kurdvanidze, D. K. Tskhvediani, Trudy Tbil. GIDUV 6:167-172 '62.

Immediate and late results of the use of a suture on a penetrating wound of the eye [in Georgian with summary in Russian]. N. Beradze, G. Dzhindzhikhadze, Trudy Tbil. GIDUV 6:247-254 '62.

Possible defects in a mechanical suture related to improper use of the UKL apparatus in pneumonectomies and lobectomies. G. S. Zaboroda, Klin.khir. no.11: 74-77 N '62.

SUVOROV, ALEKSANDR VASIL'EVICH, 1720?-1800

Savitakii, A. K. [Suvorov in 1799; an essay] Suvorov v 1799 godu; ocherk. Paris, Izd. Kruzhka lyubitelov russkoi stariny, 1949, [23] p. (IEN)

SUYFUN VALLEY—PALYNOLOGY

Spore-pollen complexes in the coal-bearing layer of the Suyfun basin in the Far East. N. A. Bolikhovskaya, I. Z. Kotova, Izv. AN SSSR, Ser. geol. 28 no.1:77-92 Ja '63.

SVERDLOV, IAKOV MIKHAILOVICH, 1895-1919
[Collected reminiscences about I.A.M. Sverdlov] Ras-
skazy o Sverdlove; sbornik vospominanii, Moskva,
Deiziz, 1962, 206 p. illus. (Istoriko-revolyutsionnaya
biblioteka)

SVERDLOVSK—ACADEMY OF SCIENCES OF THE
U.S.S.R.
A council of young scientists, V. Mel'nikov, Komsom.
zhizn' no. 118-9 Ja '62.

SVERDLOVSK—APARTMENT HOUSES
Improving the assembly of large-panel buildings.
B. Patrikeev, V. Iushenetski, Na stroi. Ros. 3 no. 3:
7-10 Mr '62.
We improve the operation of dwellings, G. Logvin.
Zhil.-kom.khoz. 12 no. 10:10-11 O '62.

SVERDLOVSK—COMMUNIST YOUTH LEAGUE
In the name of the Communist Youth League, G. Panfilov.
Komsom. zhizn' no. 1:15-17 Ja '62.
That is our concern... G. Kulazev, Komsom. zhizn'
no. 1:3-5 Ja '62.

SVERDLOVSK—CONSTRUCTION INDUSTRY
Houses with a guaranty, M. Ovchinnikov, Komsom.
zhizn' no. 1:7-8 Ja '62.

SVERDLOVSK—EDUCATION OF CHILDREN
We know how to do it by ourselves, L. Kusova, Kom-
som. zhizn' no. 1:11 Ja '62.

SVERDLOVSK—ELECTRIC EQUIPMENT INDUSTRY
This is the volunteer design bureau, V. Derbenev.
Komsom. zhizn' no. 1:6-7 Ja '62.

SVERDLOVSK—INDUSTRIAL MANAGEMENT
Volunteer economists at work, I. Nogov, Meht. prom. i
khud. promys. 3 no. 1:32 Ja '63.

**SVERDLOVSK—MACHINERY INDUSTRY—MANAGE-
MENT**
Using an old yardstick, N. Peshkova, Sov. profsoiuzy
10 no. 5:8-9 Mr '63.

SVERDLOVSK—MACHINERY INDUSTRY WORKERS
Noble impulses of the mind, M. Chudakov, Komsom.
zhizn' no. 1:18-19 Ja '62.
Your work prepares your future, V. Samsonov, Komsom.
zhizn' no. 1:9-10 Ja '62.

SVERDLOVSK—POLICE
Security service, I.U. Korolev, Sov. Soluz. no. 3:42-45
'63.

SVERDLOVSK—RETAIL TRADE
New developments in Sverdlovsk trade, V. Kostin.
Sov. torg. 36 no. 1:25-26 Ja '63.

SVERDLOVSK—STUDENT ACTIVITIES
People of restless happiness, A. Bezrukov, Komsom.
zhizn' no. 1:12-13 Ja '62.

SVERDLOVSK—TRADE UNIONS—OFFICERS
Using an old yardstick, N. Peshkova, Sov. profsoiuzy
10 no. 5:8-9 Mr '63.

SVERDLOVSK—TULAREMIA
Tularemia outbreak in Sverdlovsk, G. M. Pastukhova,
Sbor. rab. Sverd. med. inst. no. 32:83-88 '61.

SVERDLOVSK—TURNING—SAFETY MEASURES
The girl with a red band, K. Tret'iakov, Komsom.
zhizn' no. 1:10-11 Ja '62.

SVERDLOVSK—WAGES—FURNITURE INDUSTRY
A trial check of a suggestion, V. Gertsberg and others.
Sots. trud 8 no. 2:115-121 F '63.

**SVERDLOVSK—WAGES—MACHINERY INDUSTRY
WORKERS**
A trial check of a suggestion, V. Gertsberg and others.
Sots. trud 8 no. 2:115-121 F '63.

SVERDLOVSK—WINTER SPORTS
Winter sports; an interview with V. F. Kurochkin, Kom-
som. zhizn' no. 1:13-14 Ja '62.

SVERDLOVSK PROVINCE—EDUCATION, COOPERATIVE
Regional economic council and schools, V. V. Petrov.
Shkola i prosv. 6 no. 9:13-15 S '62.

SVERDLOVSK PROVINCE—FOREST MANAGEMENT
It is necessary to evaluate the clearing of cutovers, G. K.
Basuov, Les.khoz. 15 no. 9:62 S '62.

**SVERDLOVSK PROVINCE—INDUSTRIAL MANAGE-
MENT—CONGRESSES**
Economics conference in the Urals, V. Baev, I. Bagrov.
Vop. ekon. no. 1:154-157 Ja '63.

**SVERDLOVSK PROVINCE—NONFERROUS METAL
INDUSTRIES**
Enlarging the integrated brigades in mines, B. Cherny-
shov, Sots. trud 7 no. 9:117-120 Je '62.

SVERDLOVSK PROVINCE—PHYSICAL GEOGRAPHY
Physico-geographical regionalization of Sverdlovsk
Province in connection with the regionalization of the
Urals and Western Siberia, V. I. Prokayev, A. M. Olenov.
Sib. geog. sbor. no. 1:96-118 '62.

**SVERDLOVSK PROVINCE—POLITICAL SCIENCE—
STUDY AND TEACHING**
Organizing the experimental teaching of the course "Fun-
damentals of political science" in the schools of Sverd-
lovsk Province, O. E. Vainer, Prep. ist. v shkole 17
no. 8:42-47 N-D '62.

SWAHILI LANGUAGE
Swahili language, I. Sidorova, Az. i Afr. seg.
no. 2:46-49 F '63.

SWAMP FEVER see Infectious anemia

SWAMPS
Drainage and irrigation rates for lowland bogs, B. S.
Maslov, Gidr. i mel. 14 no. 1:31-38 Ja '63.

SWANS see subdivision under Estonia; Moscow; Ural
Mountain region

SWEDEN—COMPLEX COMPOUNDS—CONGRESSES
Seventh International Conference on Coordination Chem-
istry, O. E. Zviagintsev, Zhur. neorg. khim. 7 no. 12:
2820-2822 D '62.

SWEDEN—HISTORY
Sweden and the "crisis of the 17th century," A. S. Ken.
Vop. ist. 38 no. 2:197-198 F '63.

SWEDEN—NEUTRALITY
Torvald Højer and the problem of Swedish neutrality.
A. S. Ken. Nov. i noveish. ist. no. 6:172 '62.

SWEDEN—SHIPBUILDING
Swedish-built ships (from data supplied by the firm
Gotaverken and various foreign journals), Sudostroenie
29 no. 2:77-78 F '63.

SWEDEN—VOCATIONAL GUIDANCE
Vocational guidance in the schools of Sweden, E. M.
Sokolov, Shkola i prosv. 7 no. 1:83-86 Ja '63.

SWEET CLOVER see subdivision under Irkutsk
Province; Kuybyshev Province

SWINE
Action of small doses of radioactive phosphorus (P32)
on the growth and development of swine, A. A. Kudryav-
tsev, F. V. Zakharova, M. N. Andreev, Trudy VIEV
25:183-187 '62.

Cherevan, S. I. [Hog woman Tabakova's school] Shkola
svinarki Tabakovoi [Leningrad] Lenizdat, 1962. 26 p.
(Vse novoe, peredovoe - na polia i formy)
(DNAL)
Profitableness of the production of pork on the "Nachalo"
State Farm in Voronezh Province, L. Kotova, Sbor.
stud. nauch.-issl. rab. VSKHI 1 no. 1:259-260 '62.
Sokolovskaya, I. I., ed. [Artificial insemination of
swine] Iskustvennoe osmeneniye svinet, Moskva,
Selskhozizdat, 1962, 212 p.

SWINE—DISEASES AND PESTS
(see also subdivision under Allai Territory)
Effect of vitamin D and cobalt on the quality of the litter
of a sow, E. A. Petukhova and others, Veterinariia
37 no. 7:71-75 Ji '60.
Etiology of atrophic rhinitis in swine, K. F. Lamikhov,
Veterinariia 37 no. 11:42-46 N '60.

Etiology of infectious atrophic rhinitis in swine, A. K.
Krasnikov, Veterinariia 37 no. 11:45-46 N '60.
Etiology of infectious atrophic rhinitis in swine, R. A.
TSion, V. P. Urban, Veterinariia 37 no. 7:31-33 Ji
'60.
Sod as a means for prophylaxis and treatment of anemia
in swine, P. E. Ladan, N. N. Belkina, Zhivotnovodstvo
23 no. 8:60-63 Ag '61.

Some data on the histopathology of intestines in digestive
mycotoxicosis of swine, A. Panov, Sbor. stud. nauch.-
issl. rab. VSKHI 1 no. 1:165-168 '62.

Some data on the pathomorphology of the pharynx and
larynx in Aujeszky's disease in swine, L. Efanova,
Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:169-172
'62.

Studying infectious atrophic rhinitis in swine and meas-
ures for its control, P. S. Solomkin, Veterinariia 37
no. 11:35-41 N '60.

Tetracycline preparations as therapy and prophylaxis for
paratyphoid in baby pigs, I. S. Parfenov, Trudy VIEV
26:250-264 '62.

Traumatism in piglets and its prophylaxis, L. I. TSeli-
shchev, Veterinariia 37 no. 11:64-66 N '60.

SWINE—FEEDING AND FEEDS
(see also subdivision under Denmark; Ukraine)
Fattening swine by hogging off potatoes and grasses.
A. I. Rudakov, Biol. nauch.-tekh. inform. SZNISKH
no. 3:53-54 '60.

Keeping suckling sows in pairs and raising young pigs
on dry feeds, V. Letunovskii, Sbor. stud. nauch.-issl.
rab. VSKHI 1 no. 1:251-253 '62.
Preparing and using special ensilages for meat-type
swine, R. J. Ahven, Zhivotnovodstvo 23 no. 7:50-53
Ji '61.

What does our experience teach? P. Zharov, Zhil.-
kom. khoz. 12 no. 8:9 Ag '62.

SWINE—PARASITES see Parasites—Swine

SWINE, FOSSIL see subdivision under Mingeaur

SWINE BREEDING

Making use of interrelations in the swine organism in
breeding work, P. E. Ladan, A. A. Eremeev, Zhivot-
novodstvo 23 no. 5:71-75 My '61.

Place of inbreeding in swine raising, D. I. Voitko, Zhi-
votnovodstvo 23 no. 7:63-68 Ji '61.

Planning breeding work with swine of the Large White
breed on the "Pintileika" Breeding Farm in Lipetsk
Province, N. Vinnikov, Sbor. stud. nauch.-issl. rab.
VSKHI 1 no. 1:243-245 '62.

Planning breeding work with the Rossoosh' Black-and-
White swine on the "Rainovskii" State Swine Breeding
Farm, N. Pchel'nikova, Sbor. stud. nauch.-issl. rab.
VSKHI 1 no. 1:239-241 '62.

Trends and methods of breeding work in swine raising.
P. N. Kudryavtsev, Zhivotnovodstvo 23 no. 6:36-41
Je '61.

SWINE BREEDING—CONGRESSES

Scientific industrial conference on raising swine for
breeding purposes, E. I. Zhivotnovodstvo 23 no. 6:
93-94 Ag '61.

SWINE HOUSES AND EQUIPMENT

Ventilation of pigsties with a heated air flow, N. M.
Komarov, F. G. Torpakov, A. M. Slavin, Veterinariia
37 no. 7:75-78 Ji '60.

SWINE PLAGUE

Histopathology of skin and underlying tissues in the region
of the pharynx during an acute course of pasteurellosis
in swine, M. Tarasova, Sbor. stud. nauch.-issl. rab.
VSKHI 1 no. 1:155-158 '62.

SWITCHING THEORY

Experimental study of the residual parameters of a
transistor operating in a small signal switching mode.
V. G. Zubov, Avtom. kont. i izm. tekh. no. 6:98-104
'62.

Origination of periodic motion out of equilibrium state on
a discontinuity surface [with summary in English].
I. U. I. Neimark, S. D. Kiriapin, Izv. vys. ucheb. zav.;
radiofiz. 5 no. 6:1196-1205 '62.

Study of the operation of a transistor switch with an
active-inductive load, V. G. Bosenko, N. B. Sutorikhin,
G. Z. Maksimov, Elektrosvaz' 17 no. 1:64-68 Ja
'63.

Vasil'eva, N. P., and I. Gashkovets. [Logic elements in
industrial automatic control systems] Logicheskie ele-
menty v promyshlennoi avtomatike, Moskva, Gos-
energizdat, 1962, 159 p. (Biblioteka po avtomatike,
no. 66)

SWITZERLAND—SOCIALIST PARTY

"The Swiss labor movement on the eve and during the
First World War, A. E. Ivanov, Nov. i noveish. ist.
no. 6:170-171 '62.

SWITZERLAND—TECHNICAL EDUCATION

Secondary specialized education in Switzerland, N. S.
Afonin, Sred. spets. obr. 9 no. 12:57-58 D '62.

SWITZERLAND—VOCATIONAL EDUCATION

Training of workers in Switzerland, N. Afonin, Prof.-
tekh. obr. 20 no. 1:30-31 Ja '63.

SYAMOZERO, LAKE—FISHES—FOOD

Effect of the food factor on the duration of separate stages
in the development of pike perch, L. A. Kuderski,
Trudy Kar. fil. AN SSSR no. 33:24-29 '62.

SYAMOZERO, LAKE—PERCH

Materials on the biology of the ruff (Acerina cernua L.)
in Lake Syamozero, M. V. Balagurova, Trudy Kar. fil.
AN SSSR no. 33:30-37 '62.

SYAMOZERO, LAKE—PIKE PERCH

Effect of the food factor on the duration of separate stages
in the development of pike perch, L. A. Kuderski,
Trudy Kar. fil. AN SSSR no. 33:24-29 '62.

SYAMOZERO, LAKE—WHITEFISHES

Reproduction of the Syamozero lavaret Coregonus
lavaretus pallasi n. exilis Pravdin, V. F. Titova,
Trudy Kar. fil. AN SSSR no. 33:17-23 '62.

Some data on the reproduction of the whitefish Coregonus
albula L. in Lake Syamozero, D. G. Veber, Trudy Kar.
fil. AN SSSR no. 33:7-16 '62.

SYDNONE IMINE

Syndones and syndnone imines. Part 18: Polarographic
investigation of syndnone imines, V. G. Mairanovskii,
L. E. Kholodov, V. G. Iashunskii, Zhur. ob. khim. 33
no. 2:347-353 F '63.

SYENITE see subdivision under Armenia; Balkal Lake
region; Maichu region; Talas Ala-Tau

SYLVITE

Formation of sylvite in a blast furnace, L. I. Kariakin,
Dokl. AN SSSR 148 no. 2:391-393 Ja '63.

SYMBOLIC AND MATHEMATICAL LOGIC see Logic,
Symbolic and mathematical

SYMMETRY

Development of the physical conception of elementary
objects in the light of the theory of symmetry, I. U. V.
Sachkov, Vop. filos. 17 no. 2:105-109 '63.

- SYNCHRONOUS MOTORS** see Electric motors, Synchronous
- SYNCHROTRON** see subdivision under Tokyo
- SYNOVIAL MEMBRANES**
Data on the anatomy of the vaginae synovialis in amphibians and reptiles. V.G. Ukrainskii, Shor, nauch. trudy, Vin. der. med. inst. 18 no. 1:165-173 '58.
- SYNOVIAL MEMBRANES—INFLAMMATION**
Etiology, pathogenesis, and treatment of acute traumatic serous synovitis. A.V. Zhivetskii, Klin. khir., no. 12:25-27 D '62.
- SYNTHETIC FABRICS**
Black dyeing of jabsan. M.G. Gordienko, R. Ia. Kravchenko, E.A. Kuznetsova. Leh. prom., no. 3:74-75 Je-Ag '62.
Locknit warp fabric for lace and blouses made with synthetic fibers. P.P. Braga, G.M. Kotova, N.O. Siskovichenko. Leh. prom., no. 3:23 Je-Ag '62.
These shops make clothing from synthetic fabrics. Mest. prom. i khud. promys. 3 no. 1:20-21 Ja '63.
- SYNTHETIC PRODUCTS**
Development of the production of synthetic fat substitutes and washing compounds. B.G. Luchin. Biol. tekhn. ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform., no. 1:57-59 '63.
Less expensive, more durable, safer; figures and facts. Agitator no. 2:45-46 Ja '63.
- SYNTHETIC PRODUCTS—BIBLIOGRAPHY** see Bibliography—Synthetic products
- SYR DARYA—BARBEL (FISH)**
Materials on the morphometric and biological characteristics of the Turkistan barbel (*Barbus capito concoccephalus* Kessler) from the upper Syr Darya River. V.A. Maksunov. Vop. ikht., 2 no. 4:592-596 '62.
- SYRIA—MOUNTAINS**
Fracture folds of the Palmyrides. E.D. Sulidi-Kondrat'ev. Priroda 52 no. 2:114-115 '63.
- SYRINGOMYELIA**
"Pseudosyringomyelia" syndrome in periarthritis of the shoulder joint. M.M. Netreba, M.Ia. Sobolev, N.V. Dobrzhanakala. Vrach. delo no. 1:141-143 Ja '63.
Use of cortisone in syringomyelia. E.P. Semenova. Vrach. delo no. 1:143 Ja '63.
- SYSTEMS (CHEMISTRY)**
Application of empirical equations for describing the composition - property relation in multicomponent equilibrium systems. G.V. Serikov. Zav. lab. 29 no. 1:70-75 '63.
Certain characteristics of melts in the system iron phosphate - chromium oxide. I.I. Bokov, G.I. Ludogovskii. Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:71-76 '58.
Completeness of interaction and thermochemical relations in the quinary reciprocal system Li, Rb, Ti | Br, Na₂SO₄. N.S. Dombrovskaya, E.A. Alekseeva. Zhur. neorg. khim., 7 no. 12:2801-2805 D '62.
Conductance and viscosity of alloys in the system Sb - Sb₂Se₃ in solid and liquid states. G.F. Gubakala, I.V. Evfimovskii. Zhur. neorg. khim., 7 no. 12:2782-2787 D '62.
Equilibrium in sulfide - chloride systems. S.I. Tarabaev, R.S. Demchenko, K.A. Shehurov. Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:13-25 '58.
Investigating the system potassium fluorosulfate - sodium chloride. F.M. Kolomitiskii. Izv. AN Kazakh. SSR. Ser. met., obog. i ognep. no. 2:7-12 '58.
- TABAKOV, OLEG**
Oleg Tabakov occupies the screen. IAn Berezniiskii. Isk. kino 33 no. 1:99-100 '63.
- TAGANROG—AGRICULTURAL MACHINERY INDUSTRY**
Workers take part in management. K.L. Ralises. Mashinostroitel' no. 1:45 Ja '63.
- TAGANROG—BOILERS**
New boiler units at the Taganrog Boiler Plant. A.A. Parshin, V.I. Reznik, L.M. Khristich. Bezop. truda v prom. 7 no. 1:13-15 Ja '63.
- TAGANROG—EDUCATION, COOPERATIVE**
Organizing industrial training for students at the Taganrog Combine Plant. L. Mizhirskaia, L. Abramov. Shkola i protiv. 6 no. 8:83-84 Ag '62.
- TAGANROG—SHIPS—MAINTENANCE AND REPAIR**
Sten'ko, M.I., A.I. Mamyshev, and I.N. Lisakovskii. [The oldest in the South; outline history of the Taganrog Ship-Repair Plant]. Starelahti na iuge; ocherk istorii Taganrogskogo sudoremontnogo zavoda. [Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1961] 126 p. (Istoriia fabrik i zavodov Dona) (MH)
- TAGORE, SIR RABINDRANATH, 1861-1941**
Humanism in the dramaturgy of Rabindranath Tagore. E.K. Broselina. Uch. zap. LGU no. 306:145-161 '62.
- TAILINGS (METALLURGY)**
"Design and operation of a tailings storage department of an ore dressing plant" by P.D. Evdokimova. Reviewed by I.A. Rubinchik. Remarks on the book review by V.E. Domanskii, V.S. Shuvaev, A.V. Arngold. Reviewers' response. TSvet. met. 35 no. 12: 73-77 D '62.
- TAILORING**
(see also subdivision under Leningrad)
Men's coats; new style. A. Skovronskii. Mest. prom. i khud. promys. 4 no. 2:13-16 F '63.
- TAIPIING REBELLION, 1850-1864**
Characteristics of the social structure of the leadership of the Taiping Rebellion [with summary in English, p. 260]. F.B. Beletskii. Nar. Az. i Afr. no. 1:96-105 '63.
- TAIR-ZADE, MIRZA-ALEKBER, 1862-1911**
Azerbaijani. Ministerstvo kul'tury. Respublikanskii nauchno-metodicheskii kabinet kul'turnoprosvetnopol'y. [Mirza-Alekber Sabir; on the centenary of his birth] Mirza Alekber Sabir; [k 100-letliu so dnia rozhdeniia. Sost. N. Aliev]. Baku, 1962. 54 p. [In Azerbaijani] (MH)
- TAIROV, SERGEI ALEKSEEVICH**
Sergei Alekseevich Tairov. Khim. volok. no. 3:79 '62.
- TAIWAN** see Formosa
- TAJIK LANGUAGE—DIALECTS**
(see also subdivision under Matcha District)
Sentences with archaic participles in dialects of the Tajik language. M.N. Bogolubov. Uch. zap. LGU no. 308: 3-5 '62.
- TAJIK PERIODICALS**
Easy roads and difficult roads. B. Berdyeva. Sov. pech. no. 9:10 Ag '62.
- TAJIKISTAN—DARKLING BEETLES**
Unusual new genus of darkling beetles (gen. Coleoptera, Tenebrionidae) found in Tajikistan. A.V. Bogachev. Dokl. AN Tadzh. SSR 3 no. 3:35-37 '60.
- TAJIKISTAN—EDUCATION**
Rudaki, founder of pedagogical thought of the Tajik people. M.A. Arifov. Dokl. APN 6 no. 5:73-74 '62.
- TAJIKISTAN—HEALTH RESORTS, WATERING PLACES, ETC.**
Kiradiev, Kh. G. [Mineral waters and health resorts of Tajikistan] Mineral'nye vody i zdravnytsy Tadzhikistana. Dushanbe, Tadzhikgosizdat, 1962. 137 p. (DNLM)
- TAJIKISTAN—JOURNALISM**
As a gardener does his weeding... Shadi Saidov. Sov. pech. no. 8:22 Ag '62.
Don't use clichés. A. Glukhovskii. Sov. pech. no. 8: 16-17 Ag '62.
Not only earthquakes. V. Nosov. Sov. pech. no. 8:24 Ag '62.
Special quality. M. Nazhmiddinov, B. Pashenichnyi. Sov. pech. no. 8:20 Ag '62.
- TAJIKISTAN—JOURNALISM, AGRICULTURAL**
Cotton loves heat... A. Khalimov. Sov. pech. no. 8:15-16 Ag '62.
- TAJIKISTAN—MINERAL WATERS**
Kiradiev, Kh. G. [Mineral waters and health resorts of Tajikistan] Mineral'nye vody i zdravnytsy Tadzhikistana. Dushanbe, Tadzhikgosizdat, 1962. 137 p. (DNLM)
- TAJIKISTAN—PLANT LICE**
New species of the genus Aphidiera HRL (Homoptera, Aphididae) from Tajikistan [with summary in English] M.N. Narzikulov, N.G. Vinkler. Dokl. AN Tadzh. SSR 3 no. 5:49-54 '60.
- TAJIKISTAN—PRESS**
Let's get acquainted: journalists of Tajikistan. Sov. pech. no. 8:13-14 Ag '62.
- TAJIKISTAN—RADIO JOURNALISM**
He who seeks, finds. Z. Vermul. Sov. pech. no. 8:23 Ag '62.
- TAJIKISTAN—SALT DEPOSITS**
Salt tectonics in southwestern Tajikistan. V.T. Gorbakov. Dokl. AN Tadzh. SSR 3 no. 5:17-21 '60.
- TAJIKISTAN—SUSLIS**
Ecology of susliks (*Citellus relictus* Kaschkarov, 1925) in Tajikistan. G.S. Davydov. Dokl. AN Tadzh. SSR 3 no. 3:39-42 '60.
- TAJIKISTAN—VITICULTURE**
Don grape in Tajikistan. A.K. Iuzbashova. Dokl. AN Tadzh. SSR 3 no. 5:41-44 '60.
- TALAS ALA-TAU—CALCIUM SILICATES**
"Miserite" from the Talas Ala-Tau. P.S. Kozlova. Trudy Min. muz. no. 13:198-204 '62.
- TALAS ALA-TAU—SCARABAEIDAE**
Distribution of scarab beetles (Coleoptera, Scarabaeidae) in vertical vegetation zones of the northern slopes of the Talas Ala-Tau. A.I. Protzenko. Shor. ent. rab. no. 1: 80-89 '62.
- TALAS ALA-TAU—SYENITE**
Accessory eudymites and epididymites in alkali syenites of the southern slope of the Talas Ala-Tau. P.S. Kozlova. Trudy Min. muz. no. 13:195-209 '62.
- TALAS ALA-TAU—TRACE ELEMENTS**
Accessory eudymites and epididymites in alkali syenites of the southern slope of the Talas Ala-Tau. P.S. Kozlova. Trudy Min. muz. no. 13:195-209 '62.
- TALAS VALLEY—MITES**
Materials on the fauna and ecology of gamasid mites (Gamasoidea, Parasitiformes) in the Chu and Talas Valleys in Kirghizistan. N.Z. Ostpova. Shor. ent. rab. no. 1:192-196 '62.
- TALDY-KURGAN—SHOE INDUSTRY—QUALITY CONTROL**
Quality after the Taldy-Kurgan fashion. A. Veronina. Nar. khoz. Kazakh. 20 no. 12:71 D '62.
- TALES, OSSETIC**
Kazbekov, K.T. [The dragon and the wicked woman; Ossetic tales] Drakon i zlaia zhenshchina; ossetinskie skazki. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1962. 108 p. illus. (MH)
- TALGAR (ALMA-ATA PROVINCE)—BOOKSTORES**
Always crowded. M. Tereshchenko. Koop. Kazakh. 5 no. 4:46 Ap '62.
- TALIN DISTRICT—SOILS**
Characteristics of the soil cover on the Mastara State Farm in Talin District [in Armenian with summary in Russian]. S.S. Piruzian. Izv. Glav. upr. sei'khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:55-63 '62.
- TALL OIL**
Isolation of tall oil by the separation method. A.Ia. Plotnikov and others. Gidroliz, i leasokhim. prom. 16 no. 1: 21-23 '63.
- TALLINN—COMMUNIST YOUTH LEAGUE**
Bureaucratic obstacles. R. Stepanova. Komsom. zhizn' no. 1:26-27 Ja '62.
- TALLINN—COMMUNITY CENTERS**
Our great achievement. V. Savlausk. Klub 11 no. 6:11 Je '62.
- TALLINN—CONSTRUCTION INDUSTRY**
Operations planning at construction sites in Tallinn. Stroitel' 8 no. 2:4-6 F '62.
- TALLINN—FED MILLS**
Estonia-1 mobile mixed feed unit. I. Kostubna, I. Igdaia. A. Malden. Muk. elev. prom. 28 no. 11:23-24 N '62.
- TALLINN—NEWSPAPER AND PERIODICAL CIRCULATION**
Story of a newsstand operator. G. Golenkov. Raspr. pech. no. 1:15 Ja '62.
Thoughts and remarks. G. Golenkov. Raspr. pech. no. 12:10-11 D '62.
- TALLINN—THEATER**
The audience must think. Kaarel Ird. Teatr 24 no. 3: 20-22 Ja '63.
- TALYSH MOUNTAINS—BEECH—DISEASES AND PESTS**
Mycoflora of the Oriental beech (*Fagus orientalis* Lp.) in the forests of the Talysh Mountains [in Azerbaijani with summary in Russian]. S.A. Dzhefarov. Trudy Inst. bot. AN Azerb. SSR 23:51-64 '62.
- TALYSH MOUNTAINS—FUNGI, PHYTOPATHOGENIC**
Mycoflora of the Oriental beech (*Fagus orientalis* Lp.) in the forests of the Talysh Mountains [in Azerbaijani with summary in Russian]. S.A. Dzhefarov. Trudy Inst. bot. AN Azerb. SSR 23:51-64 '62.
- TAMBOV PROVINCE—AGRICULTURAL ADMINISTRATION**
Zolotukhin, G.S. [The leading fighters for communism] Peredovye boi'ny za kommunizm. Moskva, Izd-vo "Sovetskaya Rossiia," 1962. 75 p. (Reshenia XXII s'ezda KPSS - v zhizn')
- TAMBOV PROVINCE—AGRICULTURE—EXPERIMENTATION**
Experimental work of rural school students. V.N. Krugliashov. Biol. v shkole no. 6:48-52 N-D '62.
- TAMBOV PROVINCE—COMMUNIST EDUCATION**
Letters to the editor. P. Kachulin and others. Polit. samozbr. 6 no. 10:97-100 O '62.
- TAMBOV PROVINCE—LOCAL GOVERNMENT**
Abundant force. V. Komov. Agitator no. 4:24-25 F '63.
- TAMBOV PROVINCE—MAPS**
More about the "Geographical Atlas of Tambov Province." A.M. Chuvaldin. Geod. i kart. no. 1:64-68 Ja '63.

- TAMBOV PROVINCE—SECTS**
"Problems in the history of religion and atheism." Vol. 9. Reviewed by E. Malat. Nauka i rel. 4 no. 1: 93-94 Ja '63.
"Problems in the history of religion and atheism. Vol. 9: Present-day sects and how we struggle against them; based on the materials of the 1969 expedition to Tambov Province." Reviewed by S. A. Tokarev. Vop. ist. 38 no. 2:137-139 F '63.
- TANGANYIKA—ECONOMIC POLICY**
Working days. Az. i Afr. seg. no. 2:7 F '63.
- TANIRBERGENOV, ARIPI**
Theme of love and criticism of bride purchase in the works of Arip Tanirbergenov [in Kazakh with summary in Russian]. O. Esnazarov. Izv. AN Kazakh SSR. Ser. filol. i isk. no. 3:79-89 '62.
- TANK CARS**
Selecting the optimum parameters of an eight-axle tank car. V. V. Lukin. Trudy MIF no. 153:39-53 '62.
Specialization of the tank car fleet. K. A. Berngard. Zhel. dor. transp. 45 no. 2:44-49 F '63.
- TANK VESSELS**
Tank vessel for offshore refueling of launches and motorboats. M. Z. Pekerman. Sudostroenie 29 no. 2:45-46 F '63.
- TANK WARFARE**
Our battle with German tanks near the village of Taranovka. N. Gladkov. Voen. ist. zhur. vol. 5 no. 1:35-45 Ja '63.
- TANKS**
(see also subdivision under United States)
Construction of precast reinforced concrete tanks. N. Zaitseva. Na stroi. Ros. 3 no. 3:30-31 Mr '62.
Integrated solution of the problem of allowances in the manufacture of welded vertical cylindrical tanks. N. M. Pisanko. Sbor. trud. MISI no. 18:57-62 '62.
- TANKS (MILITARY SCIENCE)**
Vlasov, G. I. [A second life for tanks] Tankam - vtoruyu zhizn'. Moskva, Voenizdat, 1962, 109 p. (Olichniki ucheby - o svoem opyte)
- TANNING MATERIALS**
Synthetic tanning materials and auxiliary products for leather manufacture. I. A. Berkman. Kozh. - obuv. prom. 5 no. 1:7-11 Ja '63.
- TANNINS**
Effect of irrigation and mineral fertilizers on the content of tannins in tea leaves. A. A. Imanova. Trudy Inst. gen. i sel. AN Azerb. SSR 2:148-158 '62.
- TANNU-TUVA** see Tuva A. S. S. R.
- TANTALUM—ANALYSIS**
Separation of small amounts of tantalum from niobium by the extraction of tetraphenyl arsonium fluorotantalates [with summary in English]. I. P. Alimarin, S. V. Makarova. Zhur. anal. khim. 17 no. 9:1072-1075 D '62.
State of tantalum (V) in solutions of nitric, hydrochloric, and sulfuric acids. B. I. Nabivnits. Zhur. neorg. khim. 7 no. 12:2730-2745 D '62.
- TANTALUM COMPOUNDS**
Extraction of niobium and tantalum as 8-hydroxyquinoline complexes from solutions of hydroxy acids. I. P. Alimarin, G. N. Bilimovitch, Tsui Stan'-khan [Tsui Helen-hang]. Zhur. neorg. khim. 7 no. 12:2725-2730 D '62.
- TAPEWORMS** see subdivision under Armenia
- TARASICHIA DISTRICT—BAPTISTS**
Cold fires. T. Shkapa, P. Pon'ko. Sots. kul't. no. 2:16-17 F '63.
- TARKHANKUT PENINSULA—GEOLOGICAL TIME**
Absolute age of metamorphosed schists in the Tarkhankut Peninsula (Crimea) [with summary in English]. E. A. Novikov. Vest. LGU 17 no. 24:142-143 '62.
- TARKHANKUT PENINSULA—SCHISTS**
Absolute age of metamorphosed schists in the Tarkhankut Peninsula (Crimea) [with summary in English]. E. A. Novikov. Vest. LGU 17 no. 24:142-143 '62.
- TARTU—SOCIAL CONDITIONS**
Tartu. Taitesastev nouko. Taitaykomitee Plaaniomis-
[on]. [Twentieth anniversary of Soviet Tartu; a brief re-
view of its economic and cultural life] 20 aastat Nounko-
gude Tartut; majandus-ja kultuurilise luhike ulevande.
Koostanud ja toimetanud R. Hagelberg. Tartu, 1960,
131 p. [In Estonian]
- TASHKENT—AIRPORTS—TECHNOLOGICAL INNOVA-
TIONS**
Office for the promotion of efficiency and innovations
of commercial aeronautics. Grazhd. av. 19 no. 12:
24 D '62.
- TASHKENT—AMORPHA**
Species of Amorpha of the Botanical Garden and their
biological characteristics. L. K. Kravchenko. Introd. i
akklim. rast. no. 1:213-223 '62.
- TASHKENT—COLYCANACEAE**
Colycanthaceae in the Botanical Garden. A. A. Abdura-
khanov. Introd. i akklim. rast. no. 1:193-196 '62.
- TASHKENT—COMMUNIST PARTY OF THE SOVIET
UNION—PARTY WORK**
Block committees. R. Babadzhanova. Agitator no. 4:
22-23 F '63.
- TASHKENT—HYDROELECTRIC POWER STATIONS**
Birth of a giant. A. Malilants. Uzbekiston 22 no. 1:5
Ja '63.
- TASHKENT—JUNEBERRY**
Species of the Juneberry Amelanchier Medec introduced
by the Botanical Garden of the Academy of Sciences of
the Uzbek S. S. R. in Tashkent Oasis. I. U. S. Mironova.
Introd. i akklim. rast. no. 1:197-212 '62.
- TASHKENT—MOCK ORANGE**
Species of the genus Philadelphus L. in the Botanical
Garden of the Academy of Sciences of the Uzbek S. S. R.
R. M. Murzova. Introd. i akklim. rast. no. 1:174-182
'62.
- TASHKENT—PARKS**
Park of rest and health. I. Kalandarov. Kul't. -pros.
rab. 23 no. 5:47 Ag '62.
- TASHKENT—SPIRAEA**
Spiraea introduced into the Botanical Garden of the
Academy of Sciences of the Uzbek S. S. R. T. I. Slav-
kina. Introd. i akklim. rast. no. 1:111-173 '62.
- TASHKENT—TEXTILE INDUSTRY—TECHNOLOGICAL
INNOVATIONS**
Strengthen the cooperation of worker-researchers with
scientists. Nar. khoz. Uzb. 4 no. 12:80-82 D '62.
- TASHKENT—TRACTOR INDUSTRY**
The tractor-assembly plant grows up. A. Berozdak.
Uzbekiston 22 no. 1:7 Ja '63.
- TASHKENT—YUCCA BREEDING**
Interspecific hybrids of seven species of Yucca. F. N.
Rusanov. Introd. i akklim. rast. no. 1:5-110 '62.
- TASHKENT PROVINCE—CALVES—DISEASES AND
PESTS**
Effectiveness of some therapeutic measures against
pneumonia in calves. F. D. Lukashenko. Trudy Uz.
nauch. -issl. inst. vet. 14:17-19 '61.
- TASHKENT PROVINCE—COLLECTIVE FARMS—OFFI-
CIALS AND EMPLOYEES**
The cheaper the administrative apparatus, the lower pro-
duction costs. S. S. Nam. Uchet. i fin. v. kolkhoz. i sov-
khoz. 20 no. 1:32-33 Ja '63.
- TASHKENT PROVINCE—CONSTRUCTION INDUSTRY—
ACCOUNTING**
They are building fast, cheaply and durably. A. S. Sher-
shukov. Uchet. i fin. v. kolkhoz. i sovkhov. 20 no. 1:13-
15 Ja '63.
- TASHKENT PROVINCE—COTTON GROWING**
Cotton raising state farm brigades operating on a business
accounting basis. N. F. Iun. Uchet. i fin. v. kolkhoz. i
sovkhov. 20 no. 1:27-29 Ja '63.
- TASHKENT PROVINCE—FARM BUILDINGS**
They are building fast, cheaply and durably. A. S. Sher-
shukov. Uchet. i fin. v. kolkhoz. i sovkhov. 20 no. 1:13-
15 Ja '63.
- TASHKENT PROVINCE—PIROPLASMOSIS**
Comparative evaluation of the prophylactic characteris-
tics of anticyclo, pyralidin, berenil and tryppoflavine in
cattle piroplasmosis. T. Kh. Khashimov. Trudy Uz.
nauch. -issl. inst. vet. 14:139-142 '61.
- TASHKENT UNIVERSITY**
Education of university students should contribute to the
solution of new problems facing the Communist Party.
A. Sadykov. Komm. Uz. 34 no. 12:66-73 D '62.
- TASSILI-AJGER—ANTIQUITIES**
Ishote, Henri. [The search for the Tassili frescoes.
Translated from the French] V poiskakh fresok
Tassili. Moskva, Izd-vo vostochnoi lit-ry, 1962,
137 p. (Po sledam ischeznuvshikh kul'tur Vostoka)
(IV) (NIC)
- TATAR A. S. S. R.—COMMUNIST EDUCATION**
Conducting lecture propaganda. V. Rogova. Prof. -tekh.
obr. 20 no. 2:15 F '63.
- TATAR A. S. S. R.—COMMUNIST PARTY OF THE SOVIET
UNION—PARTY WORK**
Party organizations of Tataria in the struggle to im-
prove the level of economic work in industry. F. Ta-
beev. Sots. trud 7 no. 12:11-17 D '62.
- TATAR A. S. S. R.—GEOLOGY, STRATIGRAPHIC**
Existence of Proterozoic deposits in the Tatar Domo
area. S. I. Shevtsov, I. S. Egorov. Dokl. AN SSSR 149
no. 1:170-172 Mr '63.
- TATAR A. S. S. R.—INDUSTRIAL MANAGEMENT**
Party organizations of tataria in the struggle to im-
prove the level of economic work in industry. F. Ta-
beev. Sots. trud 7 no. 12:11-17 D '62.
- TATAR A. S. S. R.—INDUSTRIAL MANAGEMENT—
CONGRESSES**
Chief economists of enterprises speak. Sots. trud 8
no. 1:140-144 Ja '63.
- TATAR A. S. S. R.—MYRIAPODA**
Myriapoda of the Tatar A. S. S. R. T. E. Izotova.
Uch. zap. Kaz. un. 120 no. 6:139-154 '60.
- TATAR A. S. S. R.—OIL FIELDS—EQUIPMENT AND
SUPPLIES**
Outstanding team of petroleum prospectors of the Tatar
A. S. S. R. N. G. Kovalenko. Bezop. truda v prom. 7
no. 2:23 F '63.
- TATAR A. S. S. R.—PARASITES—FUR-BEARING ANI-
MALS**
Helminths of wild fur-bearing animals of the Tatar
A. S. S. R. A. A. Troitskaia. Uch. zap. Kaz. un. 120
no. 6:335-358 '60.
- TATAR A. S. S. R.—PETROLEUM GEOLOGY**
Determination of the initial water-oil contact in terri-
genous reservoirs in the Devonian of the Tatar
A. S. S. R. D. A. Shapiro. Geol. nefi i gaza 9 no. 9:
50-55 S '62.
Distribution of the Devonian terrigenous layer in the
northeastern slope of the Tatar Arch and adjacent
regions. V. V. Popov. Geol. nefi i gaza 7 no. 2:
15-21 F '63.
- TATAR A. S. S. R.—RELATIONS (GENERAL) WITH
RUSSIA**
Festival of Russian culture. B. Gizatullin. Kul't. -pros.
rab. 23 no. 4:20-22 Ap '62.
- TATAR A. S. S. R.—VOCATIONAL EDUCATION**
Conducting lecture propaganda. V. Rogova. Prof. -tekh.
obr. 20 no. 2:15 F '63.
- TATAR A. S. S. R.—WORMS, INTESTINAL AND PARA-
SITIC**
Helminths of wild fur-bearing animals of the Tatar
A. S. S. R. A. A. Troitskaia. Uch. zap. Kaz. un. 120
no. 6:335-358 '60.
- TATAR LANGUAGE—ALPHABET**
Ishmulhammetov, Galaz. [Exercises in reading and
writing the Arabic script] Naryki chlenia i pis'ma na
arabskom shrifte. Kazan', 1961. 31 p. [In Tatar]
(MIL)
- TATARBUNARY DISTRICT—AGRICULTURAL ADMINIS-
TRATION**
One week in Tatarbunary. I. A. Fomenko. Part. zhizn'
no. 5:25-30 Mr '63.
- TATIEV, KONSTANTIN IVANOVICH, 1893-1963**
K. I. Tatiev; an obituary. Sud. -med. ekspert. 6 no. 1:
62 Ja-Mr '63.
- TAVADZE, FERDINAND NESTEROVICH, 1912-
Ferdinand Nesterovich Tavadze's fiftieth birthday. Lit.
proizv. no. 7:43 JI '62.**
- TAXATION**
(see also subdivision under Ukraine, Western)
Readers suggest. L. Vdovina and others. Fin. SSSR 37
no. 1:84 Ja '63.
- TAXICABS** see subdivision under Tiflis
- TDELISI** see Tiflis
- TEA—FERTILIZERS AND MANURES** see subdivision
under Lenkoran Lowland
- TEA—IRRIGATION** see subdivision under Lenkoran
Lowland
- TEACHERS—LEGAL STATUS, LAWS, ETC.**
For you, rural teachers. A. Tsepin. Sov. profsoiuzy 19
no. 5:28-29 Mr '63.
- TEACHERS—SALARIES, PENSIONS, ETC.**
Our consultation. Prof. -tekh. obr. 19 no. 11:26 N '62.
- TEACHERS, TRAINING OF**
(see also subdivision under Krasnodar Territory;
Ryazan Province)
Forming the personality of a future teacher.
A. Shcherbakov. Nar. obr. no. 2:15-19 F '63.
Let's be aware of the practical needs of schools. P. M.
Erdnev. Vest. vys. shkoly 21 no. 1:38-41 Ja '63.
- TEACHING**
(see also subdivision under Rostov Province;
Volgograd)
Activation of teaching. V. Origor'ev. Nar. obr. no. 2:
50-54 F '63.
Development of students' independence and creativeness.
G. Vorob'ev. Nar. obr. no. 2:72-76 F '63.
Ezerskil, S. N. [Forty-five minutes' notes on the art
of teaching] Sorok piat' minut; zametki o pedagogich-
eskom masterstve. Moskva, Izd-vo "Znanie," 1962,
28 p. (Novoe v zhizni, nauke, tekhnike. XI Seriya:
Pedagogika, no. 3)
Inculcating an interest in knowledge and work.
T. Komarnitskii. Nar. obr. no. 2:43-45 F '63.

TEACHING (Continued)

Let's arm our students with the ability to study. Sred. spets. obr. 9 no. 12:14-19 D '62.
Let's work creatively and enthusiastically. V. Galuzin-ski, Shkola-int. no. 6:42-48 N-D '62.
Lipetsk experiment. Z. A. Porladin. Vech. sred. shkola 5 no. 5:5-8 S-O '62.
More on test papers for evening school students. L. I. Gidulianova. Sred. spets. obr. 9 no. 12:31-34 D '62.
Practice of Lipetsk Province teachers. G. Azhikin. Prof.-tekh. obr. 19 no. 11:11-12 N '62.
Some special aspects of student mental activity. S. I. Breev. Vech. sred. shkola 5 no. 6:57-61 N-D '62.
Successful practice in overcoming poor progress and repeating a year. E. Monoszon. Nar. obr. no. 2:31-36 F '63.
There are no repeating students in this school. A. Aleksandrovskii, A. Voinovskaya. Nar. obr. no. 2 insert:16 p. F '63.

TEACHING MACHINES

Machine renders assistance to the teacher. IU. N. Kuselev. Vest. vys. shkoly 21 no. 1:21-24 Ja '63.

TECHNETIUM ISOTOPES—SPECTRA

Conversion electron spectrum of Tc^{95m} and Tc^{96} . B. S. Dzhelepov and others. Izv. AN SSSR. Ser. fiz. 27 no. 2: 172-176 F '63.

TECHNICAL ASSISTANCE, CHINESE see subdivision under Mongolia

TECHNICAL ASSISTANCE, RUSSIAN see subdivision under Mongolia

TECHNICAL EDUCATION

(see also subdivision under Armenia; Kazakhstan; Moscow; Switzerland; Uzbekistan)

Advantage of the general technical faculties. A. P. Daushvili. Vest. vys. shkoly 21 no. 1:85-88 Ja '63.

Coming generation of scientists should have continuous guidance and help. S. I. Kuznetsov. Vest. vys. shkoly 21 no. 1:54-57 Ja '63.

Important problems in the education of the forthcoming generation for work. V. Nemchenko. Polit. samobor. 6 no. 10:122-132 O '62.

Let's carry out the resolution of the November Plenum of the Central Committee of the CPSU. Sred. spets. obr. 9 no. 12:1-4 D '62.

Profession of an engineer administrator. G. G. Podzolov. Vest. vys. shkoly 21 no. 1:64-65 Ja '63.

Realistic is what is economical. A. I. Nelmark, S. A. Sokolitsyn. Vest. vys. shkoly 21 no. 2:36-38 F '63.

Send them to progressive plants. M. A. Martinaitis. Vest. vys. shkoly 21 no. 2:15-17 F '63.

Student constructors. D. Komskii. Nar. obr. no. 2:20-21 F '63.

They will be builders of automobiles. M. Tarnovskaya. Klub 12 no. 1:25 Ja '63.

Training for factory work. I. T. Gusev, A. V. Silant'ev. Vest. vys. shkoly 21 no. 1:50-53 Ja '63.

Work of technical committees in schools. I. Stepanov, P. Logvinenko, D. Goncharov. Shkola i proizv. 6 no. 9:88-89 S '62.

TECHNICAL EDUCATION—CONGRESSES

All-Union conference of the directors of republic, territory, and province stations of young technicians. V. S. Barteneva. Shkola i proizv. 6 no. 9:91-92 S '62.

TECHNICAL EDUCATION—SOCIETIES, ETC.

Societies "For the Mastering of Technical Knowledge" (ZOT) from 1933-1935. S. V. Klinitskaya. Trudy MGAI 16:65-81 '61.

TECHNICAL LIBRARIES see subdivision under Armenia; Kazakhstan

TECHNICIANS IN INDUSTRY

For the further improvement of bonus systems in industry. Sots. trud 8 no. 2:31-39 F '63.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. Sots. trud 8 no. 1:138-139 Ja '63.

TECHNOLOGICAL INNOVATIONS

(see also subdivision under Armenia; Moldavia; Moscow; Volgograd Province; Voronezh Province; Yakutia; Yaroslavl)

Akademii nauk URSS, Kiev. Institut ekonomiki. [Economic efficiency of capital investments and the introduction of new machinery in industry] Ekonomichna efektyvnist' kapital'nykh vkladov i vprovadzhennia novoi tekhniki u promyslovosti. Kyiv, Vyd-vo Akad. nauk URSS, 1962, 260 p.

Answering innovators' questions. Avi. transp. 41 no. 1: 8 Ja '63.

Conference on over-all mechanization and automation of production processes. I. N. Shchegol'kov. Bezop. truda v prom. 7 no. 2:37 F '63.

How voluntary inspection has been conducted. S. A. Kandash. Mashinostroi'tel' no. 1:44-45 Ja '63.

New developments at the Exhibition of Achievements of the National Economy of the U.S.S.R. Inform. biul. VDNKII no. 2:1-6 F '62.

News of science and technology. Fiz. v shkole 22 no. 6: 14-16 N-D '62.

Organizing a chapter of the All-Union Association of Inventors and Innovators in a school. V. Rykov. Prof.-tekh. obr. 20 no. 1:19 Ja '63.

Place the modernization of equipment under State Bank control. V. Ivashkevich. Den. i kred. 21 no. 2:30-33 F '63.

Sources of financing expenditures for the introduction of new machinery. K. Parsadanian. Den. i kred. 21 no. 2: 28-29 F '63.

Technical information. Okhr. truda i sots. strakh. 5 no. 12:32-37 D '62.

That can be used in your plant. Mashinostroi'tel' no. 1:22-23 Ja '63.

TECHNOLOGICAL INNOVATIONS—BIBLIOGRAPHY see Bibliography—Technological innovations

TECHNOLOGY

The building of communism and the process of transforming science into immediate production force. N. Prolov. Komm. Mold. 7 no. 1:15-24 Ja '63.

[Technological progress in the U.S.S.R.] Nauchno-tekhnicheski progress v SSSR. Moskva, Ekonomizdat, 1962, 274 p.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—DICTIONARIES

[Russian-Rumanian technical dictionary] Dictionar tehnic Rus-Romn. Bucharest, Editura tehnica, 1958, 1165 p.

TECHNOLOGY—INFORMATION SERVICES

(see also subdivision under Armenia)

Records, information, advertising. Inform. biul. VDNKII no. 2:46-52 F '62.

TECHNOLOGY—PERIODICALS—INDEXES

Systematic table of contents of "Dopovidi Akademii Nauk Ukraini" for 1962 (24th year of issue). Dop. AN URSS no. 12:1641-1665 '62.

TECHNOLOGY AND CIVILIZATION

Problems of our century. Sov. Soiz. no. 3:14-15 '63.

TEETH—DISEASES

Svarkov, D., and El. Atanagova. [Parodontopathy; etiology, clinical aspects, and treatment] Parodontopatii, etiologia, klinika i lechenie. Pod red. A. I. Marchenko. Sofia, Gos. izd-vo "Meditsina i fizkul'tura," 1962, 212 p.

(DNLM)

TEKELI—CRUSHING MACHINERY

Testing a sound-ranging regulator for the automatic control of mill charging at the Tekeli ore dressing plant. B. I. Revazashvili, A. N. Ryndin, IU. L. Berezhn. TSvet. met. 35 no. 12:8-12 D '62.

TELECOMMUNICATION

(see also subdivision under Cuba)

The administrations of collective and state farms should be provided with outstanding means of telecommunication. A. F. Aleksandrov. Vest. svyazi 23 no. 2:2-3 F '63.

Calculation of the capacitance of a two-wire symmetrical cable network. N. A. Setsko. Elektrosvyaz' 17 no. 1:69-72 Ja '63.

Communication service equipment. V. M. Belous, V. A. Gizetulo, V. I. Gonta. Vest. svyazi 23 no. 2:11-13 F '63.

Effect of amplitude and frequency distortions in communication channels on the transmission of pulse signals. G. P. Divogortsev, L. S. Urinson. Elektrosvyaz' 17 no. 1:48-51 Ja '63.

Moon and the television set. Znan. -slia 37 no. 12:12 D '62.

To manage in an efficient and proper way. A. I. Korotkin. Vest. svyazi 23 no. 2:21 F '63.

The young technical specialists should receive greater recognition. Vest. svyazi 23 no. 2:28-29 F '63.

TELECOMMUNICATION—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur. : Radiotekh. i elektrosvyaz' nos. 1-2 Ja-F '63.

TELECOMMUNICATION—BIBLIOGRAPHY see Bibliography—Telecommunication

TELECOMMUNICATION—EMPLOYEES

(see also subdivision under White Russia)

Work with enthusiasm as true communists should. E. Z. Belen'kii. Vest. svyazi 23 no. 2:31-32 F '63.

TELEGRAPH

We are improving the operation of telegraph apparatus. I. A. Shestopal. Vest. svyazi 23 no. 2:22-24 F '63.

TELEPHONE

(see also subdivision under Communist Countries; Moscow)

Accelerate the development and improvement of municipal telephone communications. A. G. Serikov. Vest. svyazi 23 no. 2:10 F '63.

Device for automatically connecting calls to incoming units of different rural automatic telephone exchange systems. V. P. Smolenskii. Vest. svyazi 23 no. 2: 19-20 F '63.

Have greater haste in building and placing into use new equipment. Vest. svyazi 23 no. 2:1-2 F '63.

It will benefit agricultural administration and the rural population. S. G. Volkov, L. A. Iakovlev. Vest. svyazi 23 no. 2:9-9 F '63.

Measurement of nonlinearity attenuation of the high-frequency channels of V-12 and V-12-2 apparatus. N. V. Seleznev. Avtom., telem. i svyaz' 7 no. 1:15-17 Ja '63.

Moscow. Gosudarstvennyi institut po izyskaniyam i proektirovaniu sooruzhenii svyazi. [Standard design for constructing UATS-60/100 rural stop-by-stop telephone exchange systems] Tipovoi proekt na stroitel'stvo stantsionnykh sooruzhenii sol'skikh dokadno-shagovykh stantsii tipa UATS-60/100 (okonechnoi - emkost' iu 50No.No.1 uzlovyykh - emkost' iu 50 i 70-80 No.No.) Moskva, Svyaz' izdat, 1962, 73 p.

Transmission of telephone communications using pulse-code modulation techniques. V. M. Shtein. Elektrosvyaz' 17 no. 1:36-47 Ja '63.

TELEPHONE—EQUIPMENT AND SUPPLIES

An AVU-60-type automatic ringing device. A. S. Kochergin. Avtom., telem. i svyaz' 7 no. 1:11-12 Ja '63.

An automatic device for exact timing of operations. B. I. Nikolaev. Avtom., telem. i svyaz' 7 no. 1:31-32 Ja '63.

Device for checking dials. I. P. Iatomin. Avtom., telem. i svyaz' 7 no. 1:33-34 Ja '63.

A matching autotransformer for high-frequency apparatus. T. F. Mandrusov. Avtom., telem. i svyaz' 8 no. 7: 35 Ji '62.

The quality of presently manufactured telephones should be improved. G. I. Kraev. Avtom., telem. i svyaz' 6 no. 7:44 Ji '62.

Transformers for duplex amplifiers without differential systems. B. N. Smorgonskii. Avtom., telem. i svyaz' 7 no. 1:36 Ja '63.

TELEPHONE—TESTING

A portable device for testing telephones. N. F. Nikontsev. Avtom., telem. i svyaz' 7 no. 1:37 Ja '63.

TELEPHONE, AUTOMATIC

High-frequency KRR-30/60-type telephone apparatus for short-distance use. V. M. Sergeev. Avtom., telem. i svyaz' 8 no. 7:19-22 Ji '62.

TELEPHONE LINES

Calculation of the capacitance of a two-wire symmetrical cable network. N. A. Setsko. Elektrosvyaz' 17 no. 1:69-72 Ja '63.

Experience in mechanizing cabling operations. E. I. Farfel'. Vest. svyazi 23 no. 2:24-27 F '63.

TELEPHONE LINES—NOISE

Communication service equipment. V. M. Belous, V. A. Gizetulo, V. I. Gonta. Vest. svyazi 23 no. 2:11-13 F '63.

Methods for decreasing the effect of radio stations on cable networks. M. A. Klimov. Vest. svyaz 23 no. 2: 14-15 F '63.

TELEPHONE SWITCHBOARDS

Borovich, L. A., and K. M. Kurochkin. [Chief operator's switchboard. Modernization of the electric drive of the PD45-2 perforator] Direktorskiy kommutator. Modernizatsia elektroprovoda perforatora PD45-2. [By] G. A. Ivanov, Moskva, Filial Vses. in-in nauchn. i tekhn. informatsii, 1957, 10 p. (Perevod na nauchno-tekhnicheski i proizvodstvennyi opyt, Tema 43. No. O-57-7/2)

TELEVISION

(see also subdivision under Cuba)

Optimum parameters of television relay stations using radio relay communication lines. E. K. Iodko. Elektrosvyaz' 17 no. 1:52-63 Ja '63.

Preamplifier of a closed-circuit television channel. A. L. Levin. Vest. svyazi 23 no. 2:16-18 F '63.

Reproduction of fine details in an electronic rearprojection system. B. P. Khromol. Elektrosvyaz' 17 no. 1: 24-30 Ja '63.

TELEVISION—ANTENNAS

Television antennas for long-distance reception. S. Sotnikov. Radio no. 3:40-43 Mr '63.

TELEVISION—MAINTENANCE AND REPAIR

Faults which cause instability in the image. A. Andreeva. Radio no. 3:37-39 Mr '63.

Repaired by amateurs. A. Fedorov and others. Radio no. 2:51 F '63.

TELEVISION—PICTURE TUBES

Special features of 110° picture tubes. A. Bocharova. Radio no. 2:38 F '63.

TELEVISION—RECEIVERS AND RECEPTION

The "Smenn" television receiver. B. Alievskii, K. Runov. Radio no. 2:36-37 F '63.

TELEVISION—TRANSMITTERS AND TRANSMISSION see subdivision under Leningrad

- TELEVISION BROADCASTING**
(see also subdivision under Ukraine; Vladivostok)
Successes and shortcomings. G. Sagal. Sov. pech. no. 8: 31-33 Ag '62.
"You are invited to the screen." P. Moskovskii. Part. zhizn' no. 5:75-76 Mr '63.
- TELEVISION IN CONSTRUCTION** see subdivision under Pavlodar
- TELEVISION PLAYS**
(see also subdivision under Leningrad)
Pushkin role played by Andronikov. A. Svobodin. Teatr 24 no. 1:73-82 Ja '63.
Television theater. Teatr 24 no. 1:72 Ja '63.
- TELEVISION STATIONS** see subdivision under Gorn'ol
- TELLURIC CURRENTS** see Earth currents
- TELLURIUM—ANALYSIS**
Colorimetric determination of selenium and tellurium in sulfide ores. Report No. 2. V. M. Taralan, Zh. M. Aretamian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5:415-421 '62.
- TELLURIUM-BISMUTH-THALLIUM ALLOYS** see Thallium-tellurium-bismuth alloys
- TELLURIUM ISOTOPES**
Radiative capture cross sections for tellurium isotopes as dependent on neutron energy up to 1.5 Kev. L. S. Danilina, B. V. Efimov. Atom. energ. 14 no. 3:264-272 Mr '63.
- TEL'NYI, STEPAN IVANOVICH, 1890-1962**
Stepan Ivanovich Tel'nyi; obituary. A. V. Donokoi and others. Elektrichestvo no. 1:93 Ja '63.
- TEMPER-TAU RESERVOIR—WATER—POLLUTION**
How the lake is ruined. A. Osintsev. Nar. khoz. Kazakh. 20 no. 11:75-76 N '62.
- TEMPERATURE**
(see also subdivision under Kuybyshev Reservoir)
Breezes in Lake Sevan basin and some results of calculating them on the basis of the actual temperature distribution in the underlying surface. A. M. Mkhitarian. Izv. AN Arm. SSR. Ser. tekhn. nauk 15 no. 6:13-31 '62.
Change in temperature conditions in Western Siberia and in the European part of the U. S. S. R. in recent decades. L. P. Spirina. Trudy GGO no. 133:26-34 '62.
Statistical evaluation of monthly temperature forecasts in the European part of the U. S. S. R. by utilizing the characteristics of circulation according to G. I. A. Vangengeim. T. V. Pokrovskaya. Trudy GGO no. 133: 84-108 '62.
- TEMPERATURE—MEASUREMENT**
Accuracy of measurements of heat fluxes with variously shaped thermometers. M. A. Kaganov, I. U. L. Rozenshtok. Izv. AN SSSR. Ser. geofiz. no. 10:1307-1308 O '62.
Measurement of the wall temperature [with summary in English]. G. F. Shaldurov. Inzh.-fiz. zhur. 6 no. 12: 65-69 D '62.
Measuring the temperature of an arc jet [with summary in English]. E. V. Garkavyl. Inzh.-fiz. zhur. 6 no. 2: 20-24 F '63.
Method for measuring temperatures in rotating machinery components. V. I. Fedorov, V. M. Sidun. Energ. i elektrotekh. prom. no. 4:32-34 O-D '62.
- TEMPERATURE—PHYSIOLOGICAL EFFECT**
Selecting hens for resistance to low temperatures. A. N. Sokolova. Biol. nauch.-tekhn. inform. SZNISKH no. 3: 57-59 '68.
- TEMPERATURE, ANIMAL AND HUMAN** see Body temperature
- TEMPERATURE REGULATORS**
ART-61 automatic temperature regulator. B. N. Bespalov. Avtom., tolem. i svyaz' 7 no. 3:13-15 Mr '63.
Automatic regulator for room temperature. Zhil.-kom. khoz. 12 no. 6:32a-32b Ag '62.
Calculation of the stability of a system for regulating thermal processes with consideration of stability reserve. M. A. Seleznev. Teploenergetika 10 no. 2:50-54 F '63.
A high-speed temperature-limiting controller for gas turbine systems. V. P. Marchevskii, G. D. Sobolevskii. Energ. i elektrotekh. prom. no. 4:13-18 O-D '62.
A new temperature regulator. V. M. Shalin. Biol. nauch.-tekhn. inform. SZNISKH no. 3:74-77 '68.
Regulating temperature cycles in mechanized arc hard facing of cylindrical parts. V. I. Makhnenko. Svar. prozv. no. 2:20-25 F '63.
- TEMPERING**
Impact toughness and the structure of 30KhGSNA steel following low-temperature tempering. I. A. I. Spektor, R. I. Entin. Stal' 23 no. 1:87-88 Ja '63.
- TEMPORAL BONE—RADIOGRAPHY**
Tomography of the temporal bone. M. G. Bagdasarian. Vop. rent. i onk. 6:123-129 '61.
- TENDONS—INJURIES AND RUPTURES**
Anatomic analysis of rational surgical access in suppurative tendovaginitis of the human wrist. V. G. Ukrain-skii. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1: 5-17 '68.
- TENSIOMETERS**
Measuring dynamic deformations by wire strain-gauges. V. V. Pamfilov. Trudy Brian.tekh. inst. 9:316-323 '60.
- TEREPHTHALIC ACID**
Catalytic depolymerization of polyethylene terephthalate wastes. L. Aleksandru, L. Dascalu, I. Kristescu. Khim. volok. no. 3:25-27 '62.
Effect of terephthalic acid on the rate of transesterification of dimethyl terephthalate with ethylene glycol. R. S. Muromova, I. A. Sharapova. Khim. volok. no. 1: 19-23 '63.
Preparation of mixed polyesters of ethylene glycol with 2,5-furandicarboxylic and terephthalic acids. F. M. Medvedeva, N. V. Andrianova. Plast. massy no. 2:14-15 '63.
- TEREPHTHALONITRILE**
Saponification of terephthalodinitrile by an ammonia aqueous solution under pressure. I. A. Arkhipova, S. R. Rafikov, B. V. Suvorov. Zhur. ob. khim. 33 no. 2:637-641 F '63.
- TERMEZ—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Using the old methods. V. Kudriavtsev. Part. zhizn' [Uzb.] 6 no. 1:78-83 Ja '63.
- TERMITES**
"They retreated underground" by I. A. Khalilman. Reviewed by K. V. Kostin, I. I. Present. Biol. v shkole no. 5:93-95 S-O '62.
- TERNOVSKI, SERGEI DMITRIYEVICH, 1898-1960**
Sergei Dmitriyevich Ternovskii; a biography. Vest. khir. 89 no. 11:2 N '62.
- TERNS**
Migration of common terns. M. I. Lebedeva. Migr. zhiv. no. 3:87-91 '62.
New data on the occurrence of ringed Caspian terns (Hydroprogne tschegrava Lepechin). T. P. Shevareva. Migr. zhiv. no. 3:92-105 '62.
- TERPENES**
Main stages and trends in the development of terpene chemistry in Russia. V. V. Voronkov, I. U. S. Musabekov. Trudy Inst. ist. est. i tekhn. 39:195-211 '62.
Reaction products of the irreversible catalysis of monocyclic terpenes. S. V. Chudinov, K. P. Vedenev, I. U. K. Shaposhnikov. Gidroliz. i lesookhm. prom. 16 no. 1: 13-14 '63.
- TERRA COTTAS** see subdivision under Samarkand
- TERRACES (GEOLOGY)** see subdivision under Antarctic regions
- TEPRACING** see subdivision under Moldavia
- TERRAMYCIN**
Assimilation of biomyxin and terramycin adsorbed on clays by chickens. V. V. Kotelev and others. Izv. AN Mold. SSR no. 7:43-46 '62.
Effect of terramycin and grisein on some blood indices in calves. I. I. Shmygin. Veterinaria 38 no. 10:78-80 O '61.
Subculturing the products of terramycin and biomyxin. N. V. Malakhov. Veterinaria 38 no. 10:77-78 O '61.
Treatment of lambs infected with Bact. necrophorum. R. A. Akhmedzhanov. Trudy Uz. nauch.-issl. inst. vet. 14:91-95 '61.
- TERRITORIAL WATERS**
Status of territorial waters under International Law. P. D. Barabola, L. A. Ivanashchenko. Mor. sbor. 46 no. 2:32-41 F '63.
- TERSKEI ALA—TAU—ANIMAL POPULATION**
Rock wastes of the Terskei Ala-Tau and their animal population. R. P. Zimina. Trudy Inst. geog. 81:135-147 '62.
- TERSKEI ALA—TAU—AVALANCHES**
Avalanche regime and its hydrological and geomorphological significance in the Terskei Ala-Tau. M. I. Iveronova. Trudy Inst. geog. 81:59-72 '62.
- TERSKEI ALA—TAU—BIRDS—EGGS AND NESTS**
Observations on the Asiatic dipper in the central Tien Shan. L. S. Stepanian. Ornithologia no. 5:243-248 '62.
- TERSKEI ALA—TAU—CLIMATE**
Dynamics of local weather on the northern slopes of Terskei Ala-Tau and the Trans-Ili Ala-Tau. L. A. Chubukov, I. U. N. Shvareva. Trudy Inst. geog. 81:3-29 '62.
- TERSKEI ALA—TAU—DIPPERS (BIRDS)**
Observations on the Asiatic dipper in the central Tien Shan. L. S. Stepanian. Ornithologia no. 5:243-248 '62.
- TERSKEI ALA—TAU—VEGETATION AND CLIMATE**
Alpine vegetation in the central part of the Terskei Ala-Tau. L. N. Sobolev. Trudy Inst. geog. 81:73-111 '62.
- TERSKIY COAST—BIRDS**
Summer observations of birds on the Terskiy Coast of the White Sea. R. I. Malyshevskii. Ornithologia no. 5:13-27 '62.
- TESTICLE**
Dynamics of the number of interstitial cells and the size of their nuclei in the testicles of beavers in the course of the second cycle. I. Vdovenko. Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:183-186 '62.
Quantitative investigation of the characteristics of the spring growth of testes in some species of the finch family (Fringillidae). V. R. Dol'nik. Dokl. AN SSSR 140 no. 1:191-193 Mr '63.
- TESTING LABORATORIES**
Leningrad's guiding principles in the development of the national economy. Zav. lab. 29 no. 1:3-4 '63.
Voluntary inspectors help state testing laboratories. V. V. Petropavlovskii. Izv. tekhn. no. 2:63-64 F '63.
- TESTING MACHINES**
Apparatus for creep testing at high temperatures in a vacuum or in an inert medium. V. G. Govorkov, V. R. Regel', V. N. Glazunov. Zav. lab. 29 no. 3:376-378 '63.
Apparatus for defectoscopy. Zav. lab. 29 no. 3:382 '63.
Apparatus for mechanical testing at temperatures up to 2000° C. N. I. Mikheev and others. Zav. lab. 29 no. 3: 371-375 '63.
Apparatus for tensile testing of refractory metals at high temperatures in a vacuum. E. M. Savitskii, V. P. Vinokurov. Zav. lab. 29 no. 3:378-379 '63.
Classification of the instruments for abrasion testing of textile fabrics. N. Kh. Urazov. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:31-35 '62.
Device for testing air and water tightness of joints in large-panel buildings. P. Ushkov, I. Shikunov. Zhil. stroit. no. 9:31 '62.
Methods and testing machines used for studying the mechanical characteristics of materials at high temperatures. G. S. Pisarenko. Zav. lab. 29 no. 3: 364-370 '63.
New developments in instrumentation and methods of testing metals for creep and stress-rupture strength. A. M. Borzdyka, L. B. Gatsov. Zav. lab. 29 no. 3: 332-344 '63.
- Stand for testing earthquake resistance.** N. I. Strabakhin. Trudy TSNIISK no. 18:201-204 '62.
- The UMT-1500 machine for testing metals for creep and lasting strength.** N. M. Domarov, V. F. Latshev. Izv. AN SSSR. Otd. tekhn. nauk. Mekh. i mashinost. no. 1: 163-168 Ja-F '63.
- TESTING MACHINES—ABSTRACTS**
[Precision mechanics, optics, and testing apparatus]
Ref. zhur.: Toch. mekh., opt. i isp. app. nos. 1-2, 4 Ja-F, Ap '63.
- TESTOSTERONE**
Synthesis of alkyl derivatives of the androstane series. Part 1: 2-(Hydroxymethylene)-17 α -methylidihydrotestosterone and 2 α ,17 α -dimethylidihydrotestosterone. Zhur. ob. khim. 33 no. 2:675-680 F '63.
- TESTS, MEDICAL** see Medical tests
- TETANUS**
Rare case of silent tetanus infection provoked by epidemic parotitis. V. N. Leiman. Sbor. rab. Sverd. med. inst. no. 32:78-80 '61.
- TETRACYCLINE**
Comparative physiology of two strains of Staphylococcus aureus 209-P, one of which is resistant and the other sensitive to tetracycline antibiotics. V. N. Shaposhnikov, V. K. Plakunov. Dokl. AN SSSR 146 no. 2:448-451 Ja '63.
Tetracycline preparations as therapy and prophylaxis for paratyphoid in baby pigs. I. S. Parfenov. Trudy VIEV 28:250-264 '62.
- TEXTBOOKS**
More on the lucidity of textbooks. V. P. Egorshin. Vest. vys. shkoly 21 no. 2:91-95 F '63.
- TEXTILE FABRICS**
Production of unweaved materials in the U. S. S. R. G. Mukhamedzhanov. Koop. Kazakh. 5 no. 4:80-82 Ap '62.
Rapid method of determining the salicylanilide content of fabrics. S. E. Khoroshaya and others. Nauch.-issl. trudy VNIPIK no. 12:110-111 '60.
- TEXTILE FABRICS—TESTING**
Value of the characteristics of a single cycle testing in the qualitative evaluation of textile fabrics. N. I. A. Tretyakova. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:37-41 '62.
[Woolen fabrics and piece goods] Tkani sherstiane i shchuchnye izdelia. Izd. ofitsial'noe, Moskva, Standartgiz, 1962, 115 p. (SSSR. Gosudarstvennyye standarty)
- TEXTILE FACTORIES** see subdivision under Klin

TEXTILE FACTORIES—AIR CONDITIONING

Effect of air conditioning on the degree of fatigue of workers in spinning workshops. N. A. Aleutskii. *Izv. vys. ucheb. zav. : tekhn. tekst. prom.* no. 6:126-129 '62.

TEXTILE FACTORIES—DESIGN AND CONSTRUCTION

The economic councils are responsible for the lagging. A. N. Smirnov. *Tekst. prom.* 23 no. 1:25-28 Ja '63.

TEXTILE FACTORIES—EQUIPMENT AND SUPPLIES

New equipment and modern technology should be made available to factories working under the seven-year plan. S. L. Dich. *Khim. volok.* no. 3:10-12 '62.

TEXTILE FACTORIES—HYGIENIC ASPECTS

Measures for improving the sanitary conditions of labor and preventing occupational intoxications in the production of synthetic fibers. A. P. Martynova. *Khim. volok.* no. 3:14-15 '62.

TEXTILE FIBERS—PACKAGING see subdivision under Uzbekistan

TEXTILE FIBERS, SYNTHETIC

(see also subdivision under Kiev; Kirovakan)

Basic trends in the scientific and technical development of the synthetic fibers industry in the light of the decisions taken by the 22nd Congress of the CPSU. N. V. Mikhailov. *Khim. volok.* no. 3:8-9 '62.

Catalytic depolymerization of polyethylene terephthalate wastes. L. Aleksandru, L. Dascalu, I. Kristescu. *Khim. volok.* no. 3:25-27 '62.

Experience with new processes and equipment. V. P. Iunitskii. *Khim. volok.* no. 3:18-20 '62.

Formation of polyvinyl alcohol fiber in precipitation baths of varied composition. O. I. Nachinkin, K. E. perepelkin. *Khim. volok.* no. 1:13-17 '63.

From the pages of factory newspapers. *Khim. volok.* no. 3:77-79 '62.

Gusev, V. E. [Efficient methods of processing wool and synthetic fibers] *Ratsional'nye metody pererabotki shershi i khimicheskikh volokon.* Moskva, Rostekhlizdat, 1962, 354 p.

Ignalova, L. P. [Synthetic fibers in the manufacture of knit goods] *Khimicheskie volokna v trikotazhnom proizvodstve.* Kiev, Gosstekhlizdat USSR, 1962, 113 p.

Industry of synthetic fibers striving for an accelerated rate of development. A. G. Grigor'iants, A. L. Borisov. *Khim. volok.* no. 1:1-4 '63.

Introduction of new processes and equipment and the objectives of the synthetic fibers industry. A. L. Borisov. *Khim. volok.* no. 3:4-7 '62.

Lightfastness of polypropylene and fiber based on it. L. G. Tokareva and others. *Khim. volok.* no. 3:23-25 '62.

Main suggestions based on the decisions of the branch conference. *Khim. volok.* no. 3:22 '62.

Manufacture of spinnable fibers from the cord threads of worn tires. Report No. 1 Splitting rubberized viscose yarn into separate plies. S. N. Il'in, I. I. Tugov, N. A. Arkhangel'skii. *Nauch.-issl. trudy VNIPIK* no. 12: 49-57 '60.

Measures for improving the sanitary conditions of labor and preventing occupational intoxications in the production of synthetic fibers. A. P. Martynova. *Khim. volok.* no. 3:14-15 '62.

New construction pattern for knitting fabrics made with synthetic fibers. I. U. A. Maksimova, M. P. Dubrovskaya, E. I. Medvedeva. *Nauch.-issl. trudy VNITP* no. 2: 98-121 '60.

Polyformaldehyde, a new raw material for synthetic fibers. V. I. A. Varshavskii, M. B. Sigal. *Khim. volok.* no. 1:5-9 '63.

Preparation of a spinning bath based on polyvinyl alcohol. A. E. Akopian, D. E. Markosian. *Khim. volok.* no. 1: 10-12 '63.

Problem of the removal of suspended materials from industrial waste waters at factories manufacturing artificial fibers. L. A. Stempkovskaya, L. E. Botvinova, L. N. Gora. *Khim. volok.* no. 3:39-43 '62.

Prospects for the development of the production of acetate fibers, and their importance. L. P. Perepechkin, K. A. Filippenko, E. A. Petrov. *Khim. volok.* no. 1:64-65 '63.

Reports from abroad. *Khim. volok.* no. 1:75-79 '63.

Selection of anticorrosive materials in the manufacture of "vinol" fiber. G. V. Tulueva, T. V. Budziuk, O. I. Nachinkin. *Khim. volok.* no. 3:70-72 '62.

Using the VAKT-3 apparatus for dyeing "Javsan" (polyester) fibers. R. B. Makhnovetskaya, G. A. Sobolev, V. A. Timoshov. *Tekst. prom.* 23 no. 1:65-68 Ja '63.

TEXTILE FIBERS, SYNTHETIC—TESTING

Effect of pulsed ultrasonic vibrations on the mechanical properties of viscose and acetate fibers. V. T. Faerman. *Khim. volok.* no. 3:53-56 '62.

Effect of the value of breaking elongation and of the characteristics of deformation of synthetic staple fiber on the strength of mixed yarn. T. V. Kononenko. *Khim. volok.* no. 3:60-64 '62.

Mechanical characteristics of artificially twisted threads under slight stresses. A. V. Matukonis, I. A. I. Taparuskaitė. *Khim. volok.* no. 3:48-53 '62.

TEXTILE FIBERS, SYNTHETIC—THERMAL PROPERTIES

Thermostabilization of polypropylene and fibers based on it (with summary in English). N. V. Mikhailov, L. G. Tokareva, A. G. Popov. *Vysokom. soed.* 5 no. 2:188 194 F '63.

TEXTILE FINISHING

Processing of textile fabrics for the imparting of crease- and shrink-resistant properties. L. P. Shokot'ko. *Leh. prom.* no. 3:20-23 Je-Ag '62.

Special types of fabric finishing. *Leh. prom.* no. 3:83 Je-Ag '62.

Textile-treating substance - condensate BF. E. F. Filinkovskaya and others. *Khim. volok.* no. 1:72-74 '63.

Use of polyacrylamides in the textile industry. Kh. M. Zinger and others. *Leh. prom.* no. 3:17 Je-Ag '62.

TEXTILE INDUSTRY

(see also subdivision under Kiev; Leningrad; Moscow)

Concerning the degree of mechanization. A. G. Emin. *Tekst. prom.* 23 no. 1:32-34 Ja '63.

Current problems in the wholesale textile trade. L. Tariverdiev, N. I. Akhmina. *Sov. torg.* 36 no. 1:5-8 Ja '63.

Determining the degree of production mechanization in the textile industry. V. V. Zubchaninov. *Mekh. i avtom. proizv.* 17 no. 1:48-51 Ja '63.

Determining the extent of mechanization and automation. D. A. Shvartsman. *Tekst. prom.* 23 no. 1:29-32 Ja '63.

Labor productivity and new equipment in weaving. N. A. Korovin. *Tekst. prom.* 23 no. 1:22-25 Ja '63.

Make wider use of the advantages of the concentration and specialization of enterprises. V. I. A. Kamenetskii. *Tekst. prom.* 23 no. 1:35-37 Ja '63.

Towards a further speeding-up of the development of the synthetic fibers industry. *Khim. volok.* no. 3:2-3 '62.

We will put into practice the resolutions of the November Plenum of the Central Committee of the CPSU! *Tekst. prom.* 23 no. 1:1-3 Ja '63.

Where and how to apply ultrasonic waves in the textile industry. *Tekst. prom.* 23 no. 1:75-77 Ja '63.

TEXTILE INDUSTRY—BIBLIOGRAPHY see Bibliography—Textile Industry

TEXTILE INDUSTRY—ELECTRIC EQUIPMENT

[Handbook for power engineering workers of the textile industry] *Spravochnik energetika tekstil'noi promyshlennosti* [By] S. V. Gartung, D. M. Dubkov. Moskva, Rostekhlizdat.

Vol. 1. [Electrical engineering] *Elektrotehnika*, 1962, 759 p.

TEXTILE INDUSTRY—EQUIPMENT AND SUPPLIES

Determining economically advantageous schedules for the replacement of equipment. V. V. Fedorov. *Tekst. prom.* 23 no. 1:6-8 Ja '63.

TEXTILE INDUSTRY—MANAGEMENT

Planning the work of a textile factory. S. Nesterova. *Plan. khoz.* 40 no. 3:76-81 Mr '63.

TEXTILE INDUSTRY—STATISTICS see subdivision under Moscow Province

TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Furmanov; Kiev; Riga; Tashkent

TEXTILE MACHINERY

(see also subdivision under Kiev)

Automatic machine for the production of laps and non-woven fabrics used by the Japanese "Torigoe" Company. *Leh. prom.* no. 3:87-95 Je-Ag '62.

Basic trends in the manufacture of new spinning and textile machines for the production of synthetic fibers. V. G. Novitskii. *Khim. volok.* no. 3:13-14 '62.

Device for attaching rubber sleeves. G. Burnazian. *Prom. Arm.* 5 no. 12:44 D '62.

Machine for fiber feeding to the dyeing apparatus. V. A. Chekmarev, A. K. Dmitrochenko. *Tekst. prom.* 23 no. 1:18-19 Ja '63.

New equipment for textile dyeing and finishing factories. B. A. Iakimych, P. P. Lyanov. *Tekst. prom.* 23 no. 1:15-17 Ja '63.

TEXTILE MACHINERY—ELECTRIC DRIVING

Belov, V. P., B. P. Kozlov, and V. G. Leshchenko. [Automatically controlled electric drives of textile machinery] *Avtomatizirovanniy elektroprivod tekstil'nykh mashin.* Moskva, Mashgiz, 1962, 371 p.

TEXTILE WASTE

End of the amateurish work methods. G. Baskin. *Mest. prom. i khud. promysl.* 3 no. 12:29 D '62.

TEXTILE WORKERS see subdivision under Ivanovo; Moscow

TEXTILE WORKERS—EDUCATION AND TRAINING

Requirements of the new machinery. G. Nekrasova. *Prof.-tekhn. obr.* 20 no. 1:28 Ja '63.

THAILAND—COMMERCE—EUROPE, WESTERN

Berzin, E. O. [Struggle for the European powers for the Siamese market from 1630 through 1880] *Bor'ba evropeiskikh derzhav za siamskii rynek, 30-80-e gody XVII v.* Moskva, Izd-vo vostochnoi lit-ry, 1962, 260 p.

THALAMUS see Optic thalamus

THALLIUM—TELLURIUM—BISMUTH ALLOYS—THERMAL PROPERTIES

Phase diagram of the system $Tl_2Te_3 - Bi_2Te_3$ and properties of the alloys obtained. L. A. Borisova, M. V. Efremova, V. V. Vlasov. *Dokl. AN SSSR* 149 no. 1: 117-119 Mr '63.

THAWING see subdivision under Arctic regions

THEATER

(see also subdivision under Africa; Brest; Ceylon; Havana; Italy; Leningrad; London; Lvov; Mongolia; Moscow; New York (City); Petrozavodsk; Prague; Rostov-on-Don; Tallinn; Ukraine)

Datsenko, B. E. [How to view and understand play performances] *Iak dyvytys' i rozumlyt vystavy.* 2., pere-roblene vyd. Kyiv, Dorzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry USSR, 1962, 32 p. (Bibliotekha z pytan' mystetstva; teatr)

Gerasimovich, E. P. [Theater in the communist education of workers] *Teatr v kommunisticheskom vospitanii trudiaschichkhsia.* Minsk, 1962, 30 p. (Obshchestvo po rasprostraneniui politicheskikh i nauchnykh znanii Belorusskoi SSR, no. 20)

On stages of the world. *Teatr* 24 no. 1:122-123 Ja '63.

"On the theater" by N. Akinov. Reviewed by S. Tsimbal. *Teatr* 24 no. 1:65-67 Ja '63.

Social role of the Soviet theater. M. Tsarev. *Kommunist* 39 no. 4:66-73 Mr '63.

Stefanovich, M. P. [What the theater is] *Sheho iake teatr.* 2., dop. vyd. Kyiv, Dorzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry USSR, 1962, 46 p. (Bibliotekha z pytan' mystetstva; teatr)

"Teatr" mailbox. *Teatr* 24 no. 1:80 Ja '63.

Thoughts on the theater. Mikhail Kedrov. *Teatr* 24 no. 1:30-38 Ja '63.

The year 1963. V. I. Pimenov. *Teatr* 24 no. 1:3-11 Ja '63.

THEATER—PERIODICALS

Leafing through last year's issues of our magazine. *Teatr* 24 no. 1:90-94 Ja '63.

Readers comment on our magazine. *Teatr* 24 no. 1: 111 Ja '63.

THEATERS see subdivision under Leningrad

THEATERS—EMPLOYEES

New appointments. *Teatr* 24 no. 1:86-87 Ja '63.

THEILERIASIS

New data on the epizootiology of theileriasis in cattle. A. A. Markov, S. Z. Dubovyi. *Trudy VIEV* 23:145-147 '62.

Some clinical and electrocardiographic data on the use of arecoline as a laxative in cattle theileriasis. I. N. Maksudov. *Trudy Uz. nauch.-issl. inst. vet.* 14:147-152 '61.

THEODOLITES—EQUIPMENT AND SUPPLIES

Choice of a type of converter for a theodolite equipped with a coder. I. U. N. Starodumov. *Geod. i kart.* no. 1: 22-26 Ja '63.

THEORY OF ERRORS see Errors, Theory of

THEORY OF STRUCTURES see Structures, Theory of

THERAPEUTICS—CONGRESSES

Fifteenth All-Union Congress of Therapautists. A. P. Poloschchuk, E. L. Revutskii, N. F. Skopichenko. *Vrach. delo* no. 11:152-155 N '62.

THERMAL DIFFUSIVITY

Heat waves in infinite space with a cylindrical cavity. A. A. Koshkin. *PMTF* no. 1:138-140 Ja-F '63.

THERMAL STRESSES

Effect of flange joints on stress distribution and the strength of certain weldments. V. I. Novikov. *Avtom. svar.* 15 no. 12:51-55 D '62.

Preventing the formation of internal transverse cracks during the forging of ingots of high-alloy steel and alloys. M. I. A. Dzagitov, B. V. Vakhitanov. *Kuz. - shtam, proizv.* 5 no. 2:7-9 F '63.

Surface cracking during the hardening of 45 steel products. D. A. Shvarts, E. N. TSvetkova. *Metalloved. i term. obr. met.* no. 1:54-59 Ja '63.

Thermal stresses and strains in a long beam with non-uniform internal heat release. V. A. Tsykanov. *Atom. energ.* 14 no. 3:322-324 Mr '63.

THERMIONIC EMISSION

Accuracy of a method for studying the energy spectra of impulse-emitted thermoelectrons. V. N. Lutsikii. *Radiotekh. i elektron.* 8 no. 2:262-268 F '63.

THERMIONIC EMISSION (Continued)

Action of electron bombardment and glow discharge on alloyed secondary electron emitters. A.I. Akishin and others. Radiotekh. i elektron. 8 no. 2:285-293 F '63.

Correlation of the thermionic and secondary electron emissions from certain types of oxide cathodes in the activation process. N. Shariyov, A. Kh. Alikhanov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 6:66-70 '62.

Effect of the ion bombardment of inert gases and hydrogen on the electron emission of pressed cathodes. E. T. Kucherenko, E. V. Akhtyrskaya, V. P. Dem'ianenko. Radiotekh. i elektron. 8 no. 2:279-287 F '63.

On a possible method for converting thermal energy into electric energy. E. V. Teodorovich. Zhur. tekhn. fiz. 32 no. 12:1490-1492 D '62.

Study of the potential electron emission with simultaneous determination of the work function of the metal. D. F. Arigova, R. R. Rakhimov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 6 no. 6:71-74 '62.

THERMOCHEMISTRY

Completeness of interaction and thermochemical relations in the quinary reciprocal system Li, Rb, Ti || Br, NO₃SO₄. N. S. Dombrovskaya, E. A. Alekseeva. Zhur. neorg. khim. 7 no. 12:2801-2805 D '62.

From the history of physical chemistry (Principle of maximum work). I. U. I. Solov'ev, P. I. Starosel'skiy. Trudy Inst. ist. est. i tekhn. 39:24-48 '62.

Mathematical models of apparatus with a fluidized bed for thermochemical processes. L. A. Burovoi, A. G. D'yachko. Khim. prom. no. 11:788-793 N '62.

THERMOCOUPLES

Pickup for measuring temperature in mixing devices. A. I. Rudnaya, N. I. Gaiduchenko, I. V. Butusov. Avtom. i prib. no. 3:83 J1-S '62.

Temperature conditions in the electric slag process. B. S. Speranskii, I. U. A. Shul'te, I. A. Garevskikh. Avtom. svar. 16 no. 1:9-14 Ja '63.

THERMODYNAMICS

Allowing for Coulomb interaction in superconduction thermodynamics. V. A. Moskalenko. Dokl. AN SSSR 148 no. 2:307-310 Ja '63.

Determination of an average index of an adiabatic curve. I. V. Zakharov. Teplov. i sud. dvig. no. 3: 83-89 '62.

Determining the location of the maximum temperature and propagation velocity of a flame in turbulent flow of a homogeneous mixture [with summary in English]. V. S. Pelovan. Inzh. -fiz. zhur. 5 no. 12:9-15 D '62.

Effect of the tube diameter on the magnitude of the critical thermal load in boiling of water [with summary in English]. R. A. Rybin. Inzh. -fiz. zhur. 6 no. 2:15-19 F '63.

Fluctuations of temperature and thermal stresses inside a turbine blade with pulsating gas temperature [with summary in English]. E. R. Plotkin, E. I. Molchanov. Inzh. -fiz. zhur. 6 no. 2:25-30 F '63.

Heat conductivity of an infinite plane wall [with summary in English]. A. F. Khrustalev. Inzh. -fiz. zhur. 6 no. 2: 82-87 F '63.

Hobler, Tadeusz. [Heat transfer and heat exchangers. Translated from the Polish] Teploporedacha i teploobmenniki. Pod red. P. G. Romankova. Leningrad, Gos. nauchno-tekhn. izd-vo Khim. lit-ry, 1961. 819 p. A model for nonequilibrium process in some problems of continuum mechanics. A. T. Onufriev. PMTF no. 1:47-56 Ja-F '63.

Temperature variations due to elastic strains [with summary in English]. V. S. Khomenko. Inzh. -fiz. zhur. 6 no. 2:80-94 F '63.

Thermal shocks. V. Aleksandrov. Grazhd. av. 19 no. 12:22 D '62.

Thermal stresses in rectangular heat generating blocks [with summary in English]. A. S. Trofimov. Inzh. -fiz. zhur. 6 no. 2:127-130 F '63.

Unsteady heat conduction in multilayer media. Part 2. Two-layer systems and determination of the minimum time required for heating a system of a given heat capacity [with summary in English]. I. A. Zaidenman, G. F. Muchnik. Inzh. -fiz. zhur. 8 no. 2:75-81 F '63.

THERMOELECTRIC APPARATUS AND APPLIANCES

Thermo-emf. of thin bismuth films. G. A. Efendiev, F. S. Sultanov, R. N. Iskenderov. Izv. AN Azerb. SSR, Ser. fiz. -mat. i tekhn. nauk no. 4:65-69 '62.

THERMOELECTRICITY

Effect of cold deformation and aging on the heat conductivity, electric resistance and the Lorenz number in chromium-nickel austenitic steels. B. E. Neimark, T. I. Bykova. Fiz. met. i metallized. 15 no. 1:150-151 Ja '63.

Thermoelectric method for determining antimony in lead-antimony alloys. P. D. Korzh, G. P. Guliyaeva, I. N. Gintistulin. Zav. lab. 29 no. 3:289-291 '63.

THERMOELECTRICITY—BIBLIOGRAPHY see Bibliography—Thermoelectricity

THERMOKARST see subdivision under Bol'shezemel'skaya Tundra

THERMOMETRY

Effect of heat elimination along a transducer on the precision of surface temperature measurement. N. A. Iaryshev. Izv. vys. ucheb. zav. i prib. 6 no. 1: 134-141 '63.

Third All-Union Conference on Thermography. A. I. Tsvetkov, G. O. Pilolan. Izv. AN SSSR, Ser. geol. 28 no. 2:118-119 F '63.

THERMOSTAT

Automatic programmed temperature control in autoclaves. A. M. Vinitskii, L. I. Figotin. Mekh. i avtom. proizv. 17 no. 1:14-15 Ja '63.

High-precision two-position temperature regulator. A. E. Safonov. Priboirostroenie no. 1:23 Ja '63.

Layrov, I. A. [Ultrathermostat with a semiconductor temperature pickup for liquids] Ul'tratermostat zhid-koshnyi s poluprovodnikovym datchikom temperatury. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 8 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 34. No. P-58-53/6)

The RTM thermostat. A. I. A. Shapiro, N. I. A. Epshteyn. Avtom. i prib. no. 3:51-53 J1-S '62.

THIACARBOCYANINE

Synthesis of meso-arylthiacarboyanines in the cleavage of the pyrylium ring of pyrocyonines. A. I. Tolmachev, L. V. Sheglova. Zhur. ob. khim. 33 no. 2:448-453 F '63.

THIAZOLE-SULFONAMIDE

Eosinophilic type leukemoid reaction in a rheumatic female patient following treatment with fouxit [with summary in English]. V. B. Usman. Vop. revm. 2 no. 3: 82-84 J1-S '62.

THIARGEN

Testing "thiargen" in piroplasmosis and Hemosporidia infection of cattle. A. M. Netsetskii, A. V. Bogorod'skii. Trudy Uz. nauch. -issl. inst. vet. 14:135-138 '61.

THIAZOLE

Preparation and reactions of 1-chloro-1,2-epoxides. Report No. 4: Synthesis of some thiazole and imidazole compounds. A. A. Durgarian. Izv. AN Arm. SSR, Khim. nauki 15 no. 5:481-487 '62.

THICKNESS MEASUREMENT

Determining the thickness of a solidified layer. Kuz. -shtam. proizv. 5 no. 2:47-49 F '63.

THIMEROSAL

Role of merthiolate antigen in the preparation of agglutinating sera [with summary in English]. O. A. Vasil'eva. Trudy TomNIIVS 11:288-291 '60.

THIOCYANATES

Preparation and reactions of 1-chloro-1,2-epoxides. Report No. 5: Synthesis of α -thiocyano- and α -amino ketones. A. A. Durgarian. Izv. AN Arm. SSR, Khim. nauki 15 no. 6:535-539 '62.

THIOPHENE

Formaldehyde method of thiophene removal from benzene. L. M. Cherbasova, L. K. Gorin. Koks i khim. no. 1:44-46 '63.

THIURAM DISULFIDE

Reactions of thiuram with some complex compounds of platinum and palladium. A. V. Babayeva, G. V. Derbitsker. Zhur. neorg. khim. 7 no. 12:2589-2592 D '62.

THORIUM—ANALYSIS

Complexometric determination of zirconium and thorium with xyleneol orange. R. S. Volodarskaya, G. N. Derevianko. Zav. lab. 29 no. 1:28-29 '63.

THORIUM COMPOUNDS

Crystal structure of some thorium and uranium compounds. E. G. Arutunian, M. A. Porel-Koshits. Zhur. strukt. khim. 4 no. 1:110-111 Ja-F '63.

THOUGHT AND THINKING

Disturbance of cognitive processes accompanying lesions of the brain. Report No. 1: Disturbance of the structure of activity with frontal lobe lesions. A. R. Lurila. Dokl. APN 6 no. 5:105-108 '62.

Disturbance of cognitive processes accompanying lesions of the brain. Report No. 2: Disturbance of the ability to solve problems in arithmetic with massive lesions of the frontal lobes. A. R. Lurila. Dokl. APN 6 no. 5: 109-112 '62.

Krym'skii, S. B. [Origin of the forms and laws of thought] Genozys form i zakonny mysleniya. Kiyv, Vyd-vo AN URSR, 1962. 123 p.

"Pathology of thinking" by B. V. Seigarnik. Reviewed by A. R. Lurila. Vop. psikh. no. 6:135-138 N-D '62.

Psychological problem of speech [in Georgian with summary in Russian]. D. I. Ramishvili. Trudy Inst. psikh. AN Gruz. SSR 13:89-100 '62.

THRASHING MACHINES—MAINTENANCE AND REPAIR

How we improve the construction of a threshing machine. O. F. Okhrimenko. Mekh. sil. hosp. 13 no. 12:18 D '62.

THRIPS see subdivision under Kirghizistan

THROMBOPHLEBITIS

Our experience in operative treatment of patients suffering from thrombophlebitis of the lower extremities. A. I. Vasilevskii. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no. 1:227-230 '61.

THROMBOSIS

(see also subdivision under Kiev)

Present-day achievements in the treatment of thrombosis and thrombophlebitis. M. I. Briakin. Zdrav. Kazakh. 22 no. 11:7-12 '62.

Rare case of thrombosis of the abdominal aorta as a complication of typhus fever. G. M. Pastukhova. Shor. rab. Sverd. med. inst. no. 32:136-139 '61.

THRUSH (MOUTH DISEASE)

Pathomorphological changes in the crop of turkeys in thrush. A. Starchev. Shor. stud. nauch. -issl. rab. VSKHI 1 no. 1:161-164 '62.

THRUSHES see subdivision under Salair Ridge

THUJENE

Study of chemical constituents of essential oils. Part 6: Hydration of sabinene. G. A. Tolstikov, L. N. Lishtvanova, M. I. Gorlaev. Zhur. ob. khim. 33 no. 2:683-687 F '63.

THULIUM ISOTOPES—DECAY

Decay of Th¹⁶³. K. I. A. Gromov and others. Izv. AN SSSR, Ser. fiz. 27 no. 2:182-184 F '63.

Decay scheme for Th¹⁶⁵. K. I. A. Gromov and others. Izv. AN SSSR, Ser. fiz. 27 no. 2:195-199 F '63.

THYMUS GLAND—BLOOD SUPPLY

Age-related anatomy of intrathymic veins of the thymus gland in man. N. N. Kozyr'. Shor. nauch. trud. Vin. der. med. inst. 18 no. 1:84-91 '58.

THYROID GLAND

Chlorpromazine treatment of schizophrenic patients with a functional change of the thyroid gland [with summary in English]. A. I. Belkin. Trudy Gos. nauch. -issl. inst. psikh. 35:119-132 '62.

Importance of the determination of the thyroid gland function by the method of radioactive indicators in a surgical clinic [in Georgian with summary in Russian]. T. O. Zhvanilia, M. G. Gachechladze, T. N. Dzaparidze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10: 237-245 '62.

Reactive posttraumatic changes in the muscular tissue after local X-ray irradiation of the thyroid gland. T. N. Tuzhilkova. Radiobiologiya 3 no. 1:67-70 '63.

Role of the state of the thyroid gland in asthenic syndromes following radiation disease. V. A. Rezonov, M. A. Lagun. Dokl. AN SSSR 148 no. 3:700-701 Ja '63.

Seasonal changes of the thyroid gland in beavers. A. Potashev. Shor. stud. nauch. -issl. rab. VSKHI 1 no. 1:187-191 '62.

Study of the functional state of the thyroid gland by means of radioactive iodine during radiation therapy for cancer of the larynx and esophagus. G. A. Kazarian. Vop. rent. i onk. 6:211-216 '61.

Use of the new DSU-61 diagnostic scintillation device for determining the functional state of the thyroid gland [with summary in English]. V. N. Slavnov, T. P. Sivachenko. Vrach. delo no. 1:70-83 Ja '63.

THYROID GLAND—CANCER

Late results of the combined treatment of sarcoma of the thyroid gland. N. I. Turten'. Klin. khir. no. 11:85-86 N '62.

THYROID GLAND—DISEASES

Complex treatment of thyrotoxicoses [in Georgian with summary in Russian]. D. I. Bereziani. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:169-175 '62.

Use of radioactive iodine in the treatment of thyrotoxicoses. T. P. Sivachenko, V. N. Slavnov. Klin. khir. no. 11:58-62 N '62.

THYROID GLAND—RADIOGRAPHY

Röntgenography of the thyroid gland. F. A. Kherobian, L. S. Nagapetian. Vop. rent. i onk. 6:95-102 '61.

THYROID GLAND—SURGERY

Abdominal manifestations of a thyrotoxic crisis. A. N. Lint'ka, O. V. Tushin. Klin. khir. no. 11:77-79 N '62.

Bleeding during the operation and in the postoperative period when surgery is performed on the thyroid gland. G. M. Gurevich. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:163-167 '62.

Postoperative thyrotoxic crisis: its prevention and treatment. D. A. Makar. Klin. khir. no. 11:48-52 N '62.

Reaction of the sympathetic-adrenal system to surgical intervention for thyrotoxicosis. V. F. Postnikov. Klin. khir. no. 11:52-58 N '62.

TIBET—HISTORY—SOURCES

Vostrikov, A. I. [Tibetan historical literature] Tibet-skaya istoricheskaya literatura. Moskva [Izd-vo Vostochnoi lit-ry, 1962] 426 p. (Bibliotheca Buddhica, no. 32)

TICKS

Some data on the structure of the cuticle in Ixodid ticks. M. F. Sosnina. Uch. zap. Kaz. un. 120 no. 6:88-95 '60.

TICKS AS CARRIERS OF DISEASE

(see also subdivision under Altai Mountains; Kemerovo Province; Siberia, Western)

Distribution and the epizootiological importance of the tick *Rhipicephalus turanicus* B. Pom., 1940. A. A. Markov, L. P. D'Iskonova. Trudy VIEV 26:173-178 '62.

Transmission of *Anaplasma marginale* Theiler 1910 by ticks. I. V. Abramov, O. F. Grobov. Trudy VIEV 28:179-182 '62.

TIDES

Experience in using an electronic computer for calculating maps of isophases and isomplitudes of sea tides [with summary in English]. I. U. N. Sergeev. Vest. LGU 17 no. 24:156-161 '62.

TIENT SHAN—BIRDS

Spring observations on some birds in the Tien Shan. L. S. Stepanian. Migr. zhiv., no. 3:142-144 '62.

TIENT SHAN—PLANT INTRODUCTION

Results of the introduction of trees and shrubs in the mountains of the western Tien Shan. S. S. Kalmykov. Biol. Glav. bot. sada no. 45:7-16 '62.

TIENT SHAN—WOODY PLANTS

Results of the introduction of trees and shrubs in the mountains of the western Tien Shan. S. S. Kalmykov. Biol. Glav. bot. sada no. 45:7-16 '62.

TIFLIS—CEREBROVASCULAR DISEASE

Clinical and statistical characteristics of vascular pathology of the brain according to data of the department of nervous diseases at the Tiflis 1st Clinical Hospital [in Georgian with summary in Russian]. T. I. Glonti. Trudy Tbil. GIDUV 6:223-225 '62.

TIFLIS—CITY PLANNING

Some problems of the building development of Tiflis. I. TSitsishvili. Sov. arkhitekt. no. 14:31-40 '62.

TIFLIS—MAMMARY GLANDS—CANCER

Cytological method in the diagnosis of tumors of the mammary glands [in Georgian with summary in Russian]. A. I. Sakharova. Trudy Tbil. GIDUV 6:369-380 '62.

TIFLIS—NUTRITION

Hygienic characteristics of the nutrition of students of the Tiflis printing school [in Georgian with summary in Russian]. A. A. Zaalishvili. Trudy Tbil. GIDUV 6:295-299 '62.

TIFLIS—TOXICABS

Honorary award to a taxi driver. Avi. transp. 41 no. 1: 60 Ja '63.

TILES

Production of cement-sand tile. A. Naidenov. Sel'. stroi. 15 no. 3:23 Mr '60.

Rural buildings should have high-quality cement-sand tile. P. Demchuk. Sil'. bud. 13 no. 2:14-15 F '63.

Use of polystyrene tiles for facing industrial rooms. M. I. Tkachev, V. V. Sidakina. Khleb. i kond. prom. 7 no. 1:27-29 Ja '63.

TILLAGE

(see also subdivision under Voronezh Province)

Effect of tillage methods in harvested beet fields on the nutritive conditions of soils under spring crops. T. Eremchuk. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:37-40 '62.

Effect of tillage methods on the fertility of eroded soils. I. A. Shachkov, M. I. Suchalkina, V. I. Petrova. Sbor. nauch. rab. Nauch. -issl. inst. sel'. khoz. TSentr. -chern. pol. 2 no. 1:55-66 '60.

Mechanization of soil tilling operations. V. Frolov. Tekh. v sel'khoz. 22 no. 7:43-48 Ji '62.

Soil moisture as related to tillage. V. P. Balko, L. A. Froikina. Sbor. nauch. rab. Nauch. -issl. inst. sel'. khoz. TSentr. -chern. pol. 2 no. 1:27-35 '60.

Tillage for winter crops after row crop cultivation in a fallow. A. A. Fedulova. Sbor. nauch. rab. Nauch. -issl. inst. sel'. khoz. TSentr. -chern. pol. 2 no. 1:21-28 '60.

Various tillage methods for slopes. Z. Arnaudova. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:33-36 '62.

TIMAN RIDGE—FISHES, FOSSIL

On the Lower Devonian of the northern Timan. L. S. Kossovski, D. V. Obruchev. Dokl. AN SSSR 147 no. 5: 1147-1150 D '62.

TIMBER—STORAGE

Model project of central warehouses for wood timbering materials. N. G. Turitsyn. Shkht. stroi. 7 no. 1: 3-7 Ja '63.

TIMBERING OF MINES see Mine timbering

TIME-LAPSE PHOTOGRAPHY see Photography, Time-lapse

TIME PERCEPTION—CONGRESSES

Second Conference on the Problems of Space and Time Perception. G. I. Akishchikova. Vop. psikh. no. 6: 187-188 N-D '62.

TIME STUDY

(see also subdivision under Moscow; Rostov Province) Borodkin, F., and I. U. Maksimov. [Method for short unplanned observations used in enterprises of capitalist countries] Metod sluchainykh momentnykh nabludeni; iz opyta primeneniia na predpriiatiakh kapitalisticheskikh stran. Pod red. P. M. Orlova. Moskva, Nauchno-issl. in-t truda Gos. kom-ia Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy, 1961. 60 p. [MICROFILM]

Comparing the efficiency of continuous and intermittent working in cases of an optimum set of bobbins. V. A. Gordeev, L. L. Brusnikina. Izv. vys. ucheb. zav. ; tekhn. tekst. prom. no. 6:11-17 '62.

Efficient utilization of working time is the most important factor in increasing labor productivity. V. Gordetskii. Sots. trud 8 no. 1:62-65 Ja '63.

Establishment of standard time norms in the petroleum industry. A. Markovich. Sots. trud 7 no. 8:82-86 Je '62.

Establishment of time norms for the personnel of repair shops. G. Kovalenko. Sots. trud 7 no. 6:76-81 Je '62.

Experience, suggestions and wishes. Sots. trud 8 no. 1:62-64 Ja '63.

How to coordinate the theoretical studies on the establishment of work norms. S. Kozlovskii. Sots. trud 7 no. 6:87-89 Je '62.

Studying labor expenditure according to its application fields in cotton mills. T. B. Poliak. Izv. vys. ucheb. zav. ; tekhn. tekst. prom. no. 6:3-10 '62.

Time study and work norms on automatic production lines. M. Korbov, M. Shani'eva. Sots. trud 7 no. 6: 64-68 Je '62.

Ways to eliminate the loss of working time on building sites. L. Pshonik, V. Evchenik. Sots. trud 7 no. 12: 47-52 D '62.

TIN ALLOYS—METALLOGRAPHY

Simultaneous action of zinc and sodium impurities on the microhardness and structure of a recrystallized surface layer of tin. N. L. Pokrovskii, T. G. Smirnova. Fiz. met. i metalloved. 14 no. 6:890-894 D '62.

TIN ARSENITE

Physicochemical properties of tin arsenite. M. G. Dzhanashvili. Zhur. neorg. khim. 7 no. 12:2818-2819 D '62.

TIN CANS

Chupakhin, V. M. [Manufacture of tin cans] Proizvodstvo zheshtianoi konservnoi tary. Moskva, Pishchepromizdat, 1962. 363 p. (DNAL)

TIN CHLORIDES

Physicochemical analysis of the systems SnCl_4 - SiCl_4 and SnCl_4 - CH_3SiCl_3 . Kh. R. Rustamov, T. V. Porshakova, A. Abdurakhimov. Uzb. khim. zhur. 6 no. 6:28-30 '62.

TIN-NIOBIUM ALLOYS see Niobium-tin alloys

TIN ORGANIC COMPOUNDS

Study of organotin compounds by the method of Mössbauer resonance absorption of γ -quanta. A. I. Alek-sandrov and others. Dokl. AN SSSR 148 no. 1:126-128 Ja '63.

Synthesis and polymerization of bis and tris (trialkyl-siloxy) tin methacrylate [with summary in English]. K. A. Andrianov, M. N. Ermakova. Vysokom. soed. 5 no. 2:217-221 F '63.

Synthesis of some new mixed metallo-organic compounds of tin. Z. M. Manulkin and others. Uzb. khim. zhur. 6 no. 6:52-57 '62.

TIN PLATING

Il'in, V. A. [Tin and lead plating] Luzhenie i svynise-vanie. Pod red. P. M. Vlashevskaya. Izd. 2., dop. i perer. Moskva, Mashgiz, 1961. 33 p. (Biblioteka gal'vanotekhnika, no. 3)

Some problems of the manufacture of electrolytically tinned and lacquered sheet steel in the "Zaporozhstal'" Plant. V. I. Zisman, R. E. Mirkina. Kons. i ov. prom. 18 no. 1:22-24 Ja '63.

TINNING

Iakovlev, N. F. [Soldering, tinning, and electrolytic coating] Paka, luzhenie i gal'vanicheskie pokrytiia. Pod red. A. M. Dmitrova; Minsk, Gos. izd-vo BSSR, Red. proizvodstvennoi lit-ry, 1962. 146 p. (Biblioteka slesaria, no. 3)

TRASPOL—AUDITING AND INSPECTION

Urban finance department's faithful aids. G. Kozhin. Fin. SSSR 37 no. 2:55-56 F '63.

TIRE FABRICS

Dependence of the properties of viscose cord on the location and intensity of force applied in impregnating and drying. Z. I. Suleimanova, T. V. Ionova, R. V. Uzina. Khim. volok. no. 1:42-47 '63.

Manufacture of spinnable fibers from the cord threads of worn tires. Report No. 1: Splitting rubberized viscose yarn into separate plies. S. N. Il'in, I. I. Tugov. N. A. Arkhangel'skii. Nauch. -issl. trudy VNIPIK no. 12: 49-57 '60.

TIRES, RUBBER

(see also subdivision under Moscow)

How to eliminate "bald spots"? V. Markin. Za bezop. dvizh. 5 no. 2:11 F '63.

Prolonging the service time of tires. Avi. transp. 41 no. 2:5 F '63.

TIRES, RUBBER—PATENTS

Review of foreign patents for type "RS" tires. V. I. Ginzburg, V. M. Rottleder. Kauch. i rez. 22 no. 2: 36-38 F '63.

TIRES, RUBBER—RETRADING AND RECAPING

Improving tire-recapping techniques. V. Koval'chuk. Avi. transp. 41 no. 1:26-28 Ja '63.

Size of the tread for tire repair. M. Belmontovskii. Avi. transp. 41 no. 1:30-31 Ja '63.

TIRES, RUBBER—STANDARDS

[Tires] Shiny. Izd. ofitsial'noe. Moskva, Standartizl, 1959. 56 p. (SSSR, Gosudarstvennye standarty)

TIRES, RUBBER—TESTING

Effect of waxlike substances on the ozone cracking of rubber tires. I. U. S. Zuev, V. D. Zaitseva. Kauch. i rez. 22 no. 2:22-25 F '63.

Experimental use of new tire designs. Avi. transp. 41 no. 2:21-23 F '63.

TIRES, RUBBER—TRANSPORTATION

"BSH" graph for the loading and unloading of automobile tires. A. Blidman. Rech. transp. 22 no. 1:43-44 Ja '63.

TISSUE CULTURE

Biological properties of the measles virus during its prolonged cultivation in tissue cultures. E. S. Shikina, L. M. Bolchuk, V. N. Meshalova. Trudy Len. inst. epid. i mikrobiol. 19:21-33 '59.

Changes in vulvovaginal infiltrate cells cultivated in a colloid bag within the organism. P. F. Shamrai. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:40-45 '58.

Comparative study of the action of some antineoplastic preparations on tissue cultures of macroglial tumors of the human brain. A. E. Goshova. Probl. sov. neirokhir. 4:296-306 '62.

Isolation and study of measles virus strains. A. A. Smorodintsev, L. M. Bolchuk, E. S. Shikina. Trudy Len. inst. epid. i mikrobiol. 17:5-12 '58.

Tissue culture in oncology. A. D. Timofeevskii. Priroda 52 no. 2:27-32 '63.

TISSUE EXTRACTS

Effect of a tissue extract on the ability of the iris to regenerate the lens in tadpoles of *Rana ridibunda*. I. Korkia. Dokl. AN SSSR 149 no. 1:205-206 Mr '63.

Nauchno-proizvodstvennaia konferentsiia po primeneniui tkanovykh preparatov po V. F. Filinova v zhivotnovodstve i veterinarii, Odessa, 1960. [Tissue preparations in animal husbandry] Tkanovye preparaty v zhivotnovodstve i materialy. Kiev, Gossoikhozhizdat USSR, 1962. 235 p. (DNAL)

Tissue therapy [in Georgian with summary in Russian]. G. B. Bochorishvili. Trudy inst. okop. i klin. khir. i gemat. AN Gruz. SSR 10:303-315 '62.

TITANIUM

Energy bands of titanium in the cubic lattice. I. A. Nikiforov, V. P. Sachenko. Izv. AN SSSR, Ser. fiz. 27 no. 3:310-313 Mr '63.

Solution and passivation of titanium in sulfuric acid on polarization by alternating current. I. U. N. Mikhailovskii. Dokl. AN SSSR 148 no. 3:617-618 Ja '63.

TITANIUM—ANALYSIS

New extraction-photometric method for the determination of titanium. Report No. 1: Peroxide complex of titanium in an isomylphosphoric extract [with summary in English]. I. U. B. Klotenik. Zhur. anal. khim. 17 no. 9:1063-1067 D '62.

TITANIUM—WELDING

Corrosion of weldments of titanium and its alloys in inorganic chloride solutions. L. N. Iagupol'skaia, S. M. Gurevich. Avtom. svar. 16 no. 1:44-47 Ja '63.

TITANIUM ALLOYS—HEAT TREATMENT

Effect of heat treatment on the structure and hardness of a titanium alloy with 4% chromium. N. M. Pultsin, V. B. Pokrovskaya. Fiz. met. i metalloved. 14 no. 6: 843-847 D '62.

TITANIUM ALLOYS—WELDING

Automatic welding under flux of cylindrical products made of the BT-6 alloy. V. B. Volkov, M. A. Danilov. Svar. proizv. no. 1:30-40 Ja '63.

TITANIUM-ALUMINUM ALLOYS

Long-period strength of a titanium alloy based on the TiAl compound at 800°C. I. I. Korolov, T. T. Nartova. Dokl. AN SSSR 148 no. 3:644-646 Ja '63.

TITANIUM-CHROMIUM-NIOBIUM ALLOYS see Chromium-niobium-titanium alloys

TITANIUM COMPOUNDS

Optimization of the chlorination process of a titanium-containing concentrate. P. P. Khomiakov and others. Zav. lab. 28 no. 1:68-69 '63.

Revealing the factors influencing the rate of chlorination of titanium slags in a melt. P. P. Khomiakov, I. P. Adler, V. V. Nalimov. Zav. lab. 28 no. 1:75-77 '63. Study of heat conductivity of distillates formed during chlorination of titanium slag in the melt. P. P. Khomiakov and others. Zav. lab. 28 no. 3:330-331 '63.

TITANIUM HYDROXIDES

Properties of sol nuclei and of titanium hydroxide obtained by the sulfuric acid method. V. G. Gomozeva and others. Lakokras. mat. i ikh prim. no. 1:26-30 '63.

TITANIUM-NICKEL-CHROMIUM ALLOYS see Nickel-chromium-titanium alloys

TITANIUM ORES

Mechanism of the action of oleic acid oxidized by molecular oxygen in the selective flotation of titanium-zirconium sands. I. N. Plaksin, S. N. Dorokhina. Dokl. AN SSSR 148 no. 3:651-653 Ja '63.

Momdzh, G. S. [How to search for titanium deposits] Kak iskat' mestorozhdeniya titana. Izd. 2. Moskva, Gosgeotekhnizdat, 1962. 28 p. (Bibliotekha iskatelja poleznykh iskopaemykh)

TITANIUM OXIDES

Automatic batching of titanium dioxide suspensions in the process of continuous polymerization of caprolactam. A. X. Grishchenko and others. Khim. volok. no. 1:57-60 '63.

Obtaining a modification of anatase titanium dioxide for improving its physical and technical properties. T. A. Ermolaeva, D. L. Abramson, N. S. Anufrieva. Lakokras. mat. i ikh prim. no. 1:36-38 '63.

TITMICE see subdivision under Moscow region

TITRATION

Suslenikova, V. M., and E. K. Kiseleva. [Handbook on the preparation of titrated solutions] Rukovodstvo po prigotovleniyu titrovannykh rastvorov. Leningrad, Goskhimizdat, 1962. 123 p.

TIURIN, IVAN VLADIMIROVICH, 1892-1962

Condolences. Pochtovedenie no. 12:98-99 D '62. Reminiscences about Ivan Vladimirovich Tiurin. L. T. Zemlianitskii. Pochtovedenie no. 12:96-99 D '62.

TIUTCHEV, FEDOR IVANOVICH, 1893-1973

Pigarov, K. V. [Life and works of Tiutchev] Zhizn' i tvorchestvo Tiutcheva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 373 p.

TLI—ANTIQUITIES

Archaeological excavations of the Tli burial mound in 1960. B. V. Tokhov. Sov. arkheol. 7 no. 1:182-178 '63.

TODACCO—DISEASES AND PESTS see subdivision under Armenia

TOBACCO HABIT

Give up smoking! D. Abramovich. Belarus' 20 no. 2: 25-27 F '63.

TOBACCO RESEARCH see subdivision under Moldavia

TOBLEVYCH, IVAN KARPOVYCH, 1846-1907

His twentieth play. Volodymyr Maznyl. Ukraina no. 1: 22-23 Ja '63.

TOBOL VALLEY—PINE

Pine forests in the Tobol Valley. V. A. Maksimov. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5:46-49 '62.

TOBOL'SK—GUIDEBOOKS

Tobol'sk, Kraevedcheskii muzej. [Monuments of Tobol'sk and its environs; excursions to historic places] Pamiatniki Tobol'ska i ego okrestnostei; ekskursii po istoricheskim mestam. Tiumen', 1960. 71 p. illus. (MI)

TOGLIATTI, PALMIRO, 1893- —BIBLIOGRAPHY see Bibliography—Togliatti, Palmiro, 1893-

TOKTOGUL REGION—ARCHAEOLOGY

Archaeological excavations at the construction site of the Toktogul Hydroelectric Power Station. Vest. AN SSSR 33 no. 2:72 F '63.

TOKYO—SYNCHROTRON

Start-up of a synchrotron at the Tokyo Institute of Nuclear Research. Atom. energ. 14 no. 3:335-336 Mr '63.

TOLERANCE (ENGINEERING)

Determining practically permissible limit deviations of the accumulated errors of relative orientation during automatic assembling. A. B. Paknis. Izv. vys. ucheb. zav.; mashinostr. no. 9:100-109 '62.

TOLERANCE (ENGINEERING)—MEASUREMENT

Determining the accuracy of tolerance controlling and measuring devices. B. A. Vigan, B. B. Dunayev. Izv. tekhn. no. 1:11-14 Ja '63.

TOLSTOI, ALEKSEI NIKOLAEVICH, 1882-1945

Great talent. Uzbekiston 22 no. 1:13 Ja '63.

TOLSTOI, FEDOR PETROVICH, 1783-1873

The Patriotic War of 1812 in medals by F. Tolstoi. E. Kuznetsova. Iskusstvo 25 no. 9:53-60 '62.

TOLSOI, LEV NIKOLAEVICH, 1828-1910

Lutsikh, M. D., and D. D. Stollarov. [L. N. Tolstol as a critic of bourgeois economics] L. N. Tolstol kak kritik burzhuaznoi politicheskoi ekonomii. Tashkent, Izd-vo Srednezakaznogo gos. univ., 1960. 130 p. (MI)

Study of L. N. Tolstol in Japan. G. D. Ivanova. Uch. zap. LGU no. 306:162-170 '62.

TOLUENE

Migration of the methyl group in a toluene molecule under the effect of aluminum bromide and hydrogen bromide. V. A. Koptug, I. S. Isaev, N. M. Vorozhtsov jun. Dokl. AN SSSR 148 no. 1:100-103 Mr '63.

Regeneration of a nickel-chromium catalyst in toluene demethylation. G. N. Maslenskii, G. L. Rabinovich, N. Kh. Avtonomova, Neftekhimika 3 no. 1:94-96 Ja-F '63.

TOLUENESULFONAMIDE

Some transformations of N, N-di(β-cyanoethyl)-p-toluenesulfonamide. P. F. Butkus, R. Ju. Stonite, Zhur. ob. khim. 33 no. 2:624-628 F '63.

TOMATOES

Effect of water balance conditions on the crop yield and quality of tomato fruits. A. G. Egiazarian, E. O. Tarasova. Kons. i ov. prom. 18 no. 1:24-28 Ja '63. Methods for conditioning the ripening of tomatoes. G. Lebedeva. Sbor. stud. nauch.-issl. reb. VSKHI 1 no. 1:123 '62.

Photosynthesis rate on different sides of the leaves of tomato plants. B. L. Dorokhov. Dokl. AN SSSR 148 no. 2:450-460 Ja '63.

TOMATOES—FERTILIZERS AND MANURES

Nature of the effect of growth-promoting substances on tomatoes as related to the conditions of nutrition. V. V. Sarnatskaya. Nauch. trudy Ukr. nauch.-issl. inst. fiziol. rast. no. 23:141-158 '62.

TOMATOES—VARIETIES see subdivision under Aspheron Peninsula; Karabakh Steppe; Voronezh; Voronezh Province

TOMATOES, CANNED

Mechanized production line for peeled tomatoes. A. Matveev, A. Strandzhev. Kons. i ov. prom. 18 no. 2:38-41 F '63.

TOMSK—BCG VACCINATION

Effectiveness of the epicutaneous method of BCG vaccination in Tomsk [with summary in English]. A. P. Gerasimenko. Trudy TomNIIVS 11:209-203 '60.

TOMSK PROVINCE—CATTLE—DISEASES AND PESTS

Examination of cattle in Tomsk Province for Q fever [with summary in English]. A. A. Selezneva. Trudy TomNIIVS 11:97-98 '60.

TOMSK PROVINCE—DESMANS

Preliminary results of artificial distribution of desmans in Kursk and Tomsk Provinces. K. G. D'yakova. Trudy Khop. gos. zap. no. 5:131-138 '61.

TOMSK PROVINCE—ENCEPHALITIS

Epidemiology and prevention of tick-borne encephalitis in the Tomsk focus in the season of 1957 [with summary in English]. S. P. Karpov, A. R. Iav'ia. Trudy TomNIIVS 11:46-51 '60.

TOMSK PROVINCE—ENCEPHALITIS VIRUSES

Carriers of the tick-borne encephalitis virus in the Tomsk focus of infection [with summary in English]. V. M. Popov, N. I. Igolkin, I. U. V. Fedorov. Trudy TomNIIVS 11:33-37 '60.

TOMSK PROVINCE—LEPTOSPIRA

Biological characteristics of leptospira strains isolated in Tomsk Province [with summary in English]. V. N. Novikova, L. P. Sagalad. Trudy TomNIIVS 11:86-90 '60. Reservoirs and sources of leptospira infection in Tomsk Province [with summary in English]. V. N. Novikova, L. P. Sagalad, N. I. Igolkin. Trudy TomNIIVS 11:81-85 '60.

TOMSK PROVINCE—MENINGITIS

Research data on lymphocytic choriomeningitis in Tomsk Province [with summary in English]. M. K. Tiushniakova, M. S. Zagromova. Trudy TomNIIVS 11:25-32 '60.

TOMSK PROVINCE—Q FEVER

Examination of cattle in Tomsk Province for Q fever [with summary in English]. A. A. Selezneva. Trudy TomNIIVS 11:97-98 '60.

TOMSKII, NIKOLAI VASIL'EVICH, 1900-

Baltun, P. K. [A monument to S. M. Kirov in Leningrad; N. Tomskii, the sculptor] Pamiatnik S. M. Kirovu v Leningrade; skulptor N. Tomskii. Leningrad, Khudozhnik RSFSR, 1961. 46 p. 15 plates (Russkaya i sovetskaya skulptura) (MI)

TONGUE—DISEASES

Black "hairy tongue." M. D. Kazhaev, I. N. Shubenko-Gabuzova. Zhur. ush., nos. i gori, bol. 22 no. 4:77-78 Ji-Ag '62.

TONGUE—INNERVATION

Case of absence of the descending branch of the hypoglossal nerve. E. M. Luchanskii. Sbor. nauch. trud. Vn. der. med. inst. 18 no. 2:128-131 '58.

TONSILS—DISEASES

New data on immunological features in rheumatic fever and tonsillar diseases [with summary in English]. P. P. Sakharov and others. Vop. revm. 2 no. 3:12-17 Ji-S '62.

Plskun, A. I. [Chronic tonsillitis] Khronicheskiitonsillit. Moskva, Medgiz, 1962. 62 p. (Biblioteka srednego medrabotnika) (DNLM)

Quinay is an insidious illness. K. Bashmakov. Sov. profsoyuz 19 no. 3:30 F '63.

Role of therapeutic measures in chronic tonsillitis and angina during the compound treatment of rheumatic carditis [with summary in English]. L. I. Gelfer. Vop. revm. 2 no. 3:69-73 Ji-S '62.

TOOL STEEL—BRITTLINESS

Brittleness of cast, high-speed steel. I. U. A. Evdushkin. Izv. vys. ucheb. zav.; chern. met. 6 no. 1:136-138 '63.

TOOLS

Accessory tools for forging and stamping. T. Vvedenskii. Mashinostroitel' no. 1:38 Ja '63. Useful advice. M. Trufanov. Shkola i proizvod. 6 no. 8: 69 Ag '62.

TOPCHIEV, ALEKSANDR VASIL'EVICH, 1907-1962

Academician Aleksandr Vasil'evich Topchiev; obituary. Izv. AN SSSR, Ser. geol. 28 no. 3:102-104 Mr '63. Eminent student and talented organizer of science; in memory of Academician A. V. Topchiev. Priroda 52 no. 2:64-67 '63.

In memory of A. V. Topchiev. Vest. AN SSSR 33 no. 2: 115 F '63.

TOPOGRAPHIC MAPS

Efficient way of drawing up topographic bases for planning village sites. G. N. Kozlov. Geod. i kart. no. 4: 71-75 Ja '63.

TOPOGRAPHICAL SURVEYING

Accuracy of determining area volumes from parallels on a map using a planimeter. B. S. Keifets. Izv. vys. ucheb. zav.; geod. i kart. no. 4:83-88 '62. Departmental pamphlets on large-scale topographic surveys. Geod. i kart. no. 12:27-33 D '62.

TOPOGRAPHICAL SURVEYING—EQUIPMENT AND SUPPLIES

Increase the rate of technical progress in the manufacture of topographic surveying equipment. Geod. i kart. no. 1:3-6 Ja '63.

TOPOGRAPHY—SAFETY MEASURES

Russia (1923- U. S. S. R.). Glavnoe upravlenie geodezii i kartografi. [Safety rules for topographic and geodesic work. In effect from October 1, 1962] Pravila po tekhnike bezopasnosti na topografno-geodezicheskikh rabotakh. Vvoditsya v delstvие s 1 oktiabria 1962 g. Moskva, Izd-vo geodez. lit-ry, 1962. 73 p.

TOPOLOGY

Absolute of a topological space. V. Ponomarev. Dokl. AN SSSR 149 no. 1:26-29 Mr '63.

Absolutes of Hausdorff spaces. S. Iliadis. Dokl. AN SSSR 149 no. 1:22-25 Mr '63.

Characterization of the quasi-invariance of measures in Hilbert spaces. V. N. Sudakov. Usp. mat. nauk 18 no. 1: 188-190 Ja-F '63.

Continuation of an operator and the existence of fixed points. N. V. Marchenko. Dokl. AN SSSR 147 no. 5: 1026-1028 D '62.

Continuity of spatial quasi-conformal mappings and Liouville's theorem. P. P. Belinskii. Dokl. AN SSSR 147 no. 5:1003-1004 D '62.

Extremum problems for surfaces of a given topological type. Part. 1: V. N. Lagunov, A. I. Fet. Sib. mat. zhur. 4 no. 1:146-176 Ja-F '63.

Homotopy properties of a group of diffeomorphisms of a sphere. S. P. Novikov. Dokl. AN SSSR 148 no. 1: 32-35 Ja '63.

On Gurevich's theorem. A. V. Zarelua. Mat. sbor. 60 no. 1:17-28 Ja '63.

TOPOLOGY (Continued)

On the existence of magnetic surfaces. G. V. Skorniakov. Zhur. tekhn. fiz. 32 no. 12:1494-1495 D '62.

On the isomorphism of rings of continuous endomorphisms. A. V. Mikhailov. Sib. mat. zhur. 4 no. 1:177-186 Ja-F '63.

Open and almost open mappings of topological spaces. A. Arkhangel'skii. Dokl. AN SSSR 147 no. 5:999-1002 D '62.

Paracompacts, their projective spectra and continuous mappings. V. I. Ponomarev. Mat. sbor. 60 no. 1:89-119 Ja '63.

Topological construction of locally bicomplex groups and their factor spaces. E. G. Skliarenko. Mat. sbor. 60 no. 1:63-88 Ja '63.

Topological structure of space and the mass spectrum of elementary particles. I. G. Ivanter. Dokl. AN SSSR 148 no. 2:303-306 Ja '63.

Topology in Banach spaces. A. L. Garkavi. Usp. mat. nauk 18 no. 1:151-154 Ja-F '63.

TOPOLOGY—PERIODICALS

"Topology," a new journal. Usp. mat. nauk 18 no. 1:251 Ja-F '63.

TORSION

Ultimate state of thin-walled beams in biaxial flexure with torsion [with summary in English]. O. I. Streilbitska. Dop. AN URSS no. 12:1571-1575 '62.

TORSION BALANCE

Using electromechanical transducers in measuring minor aerodynamic forces. M. I. Akushin. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:157-158 Ja-F '63.

Using high-sensitive single-component torsion balance for measuring minor forces in rarefied gas aerodynamics. V. P. Kaznacheev, V. A. Sukhnev. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:154-156 Ja-F '63.

TORZHOK—CLOTHING INDUSTRY

Let us meet the garment workers of Torzhok. A. Raspevin. Sov. deput. trud. no. 3:72-77 Mr '63.

TOUREM

"Little light" burns. P. Istomin. Klub 11 no. 4:16-17 Ap '62.

"There, around the corner..." by D. Dar, A. E. Pionov. Reviewed by I. U. Popkov. Vokrug sveta no. 11:62 N '62.

TOURISTS, FOREIGN

(see also subdivision under Mongolia)

Bank services to tourists. IU. Danilov. Den, kred. 21 no. 1:40-44 Ja '63.

TOWERS see subdivision under Leningrad

TOXEMIA

Some data on the perisate of tissues in studying toxemia in irradiated animals. IU. D. Balika, G. M. L'vitsyna. Radiobiologiya 3 no. 1:59-62 '63.

Urine composition in healthy highly productive cows and in cows with metabolic disorders of the alimentary toxemia type. T. V. Shakhova. Veterinaria 37 no. 7:61-65 Ji '60.

TOXICOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur. i Farm. Toks. nos. 1-3, 5 Ja-Mr '63.

TOXINS AND ANTITOXINS

Active anaphylaxis to anatoxins under conditions of changed sensibility of the organism [with summary in English]. B. G. Trukhmanov, L. I. A. Tikhonova. Trudy TomNIIVS 11:141-146 '60.

Anaphylactic properties of simple and complex associated vaccines [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:133-140 '60.

Arthur's phenomenon with polyanatoxins and other complex associated preparations [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:147-153 '60.

Immunological characteristics of polyanatoxins and more complex associated multiantigen vaccines [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:121-134 '60.

Mechanism of the action of antibiotics; effect of some antibiotics on the immunobiologic reactivity in animals under experimental intoxication. V. N. Derkach. Izv. AN Mold. SSR no. 7:47-54 '62.

Meningococcus toxin and its derivatives in the Schwartzman phenomenon [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:154-160 '60.

Possibility of using white rats for determining the quality of bacterial preparations [with summary in English]. B. G. Trukhmanov, B. I. Kleitman, L. A. Egorshina. Trudy TomNIIVS 11:262-268 '60.

Schwartzman phenomenon with meningococcal preparations under conditions of changed sensibility of the organism [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:161-165 '60.

TOXOPLASMOSIS

Affection of the nervous system in toxoplasmosis. M. Kh. Parisov, M. S. Genina. Zdrav. Kazakh. 22 no. 11:38-43 '62.

"Problems of toxoplasmosis." Reviewed by G. A. Orlov. Sov. med. 26 no. 12:130-132 D '62.

TOYS

Poliakova, V. I., and I. B. Kuznetsova. [Manufacture of toys from plastics] Proizvodstvo igrushek iz plasticheskiykh mass. [Leningrad] Gosmestpromizdat, 1962. 318 p.

TRACE ELEMENTS

(see also subdivision under Talas Ala-Tau)

Beus, A. A., and others. [Albitized and gneissized granites (apogranites)] Albitizirovannye i gneissizirovannye granity (apogranity). Moskva, Izd-vo Akad. nauk SSSR, 1962. 195 p.

Distribution of trace elements in sediments of the Dnieper, Pripyat', Desna, and Oka rivers. A. A. Lazarenko. Dokl. AN SSSR 147 no. 5:1182-1185 D '62.

TRACE ELEMENTS IN THE BODY

Mechanism of the action of the microelements of copper, manganese, and zinc on the cardiovascular system. V. S. Raitsev, IA. V. Gantkevich. Vrach. delo no. 1:113-115 Ja '63.

Microelement composition of the blood of patients with nephrolithiasis [in Georgian with summary in Russian]. V. S. Tsintsadze. Trudy Tbil. GIDUV 6:411-413 '62.

Trace element content in the organism and blood cells of ascidians. V. V. Koval'skii, L. T. Rezaeva, G. V. Koltsov. Dokl. AN SSSR 147 no. 5:1215-1217 D '62.

TRACERS (BIOLOGY)

[Labeled biologically active substances] Mekhonye biologicheski aktivnye veshchestva; sbornik statei. Moskva, Gosatomizdat, 1962. 93 p.

TRACHEA—ABNORMALITIES AND DEFORMITIES

Tracheostenosis in a case of tracheal bronchus. I. G. Klimovich. Vest. khir. 89 no. 11:139-141 N '62.

TRACHEA—FOREIGN BODIES

Case of asphyxia caused by the obstruction of the trachea by the mucous membrane of the esophagus. N. M. Savell'ev. Zhur. ush., nos. i gorl. bol. 22 no. 4:83-84 Ji-Ag '62.

TRACHEA—SURGERY

Closing of the defects in the trachea and the bronchus with a flap from the wall of the opposite bronchus. O. I. Burdzhanadze. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:153-155 '62.

TRACHYTE see subdivision under Armenia

TRACTOR INDUSTRY see subdivision under Chelyabinsk; Kharkov; Tashkent

TRACTOR INDUSTRY—ACCIDENTS see subdivision under Kharkov

TRACTOR INDUSTRY—LABOR PRODUCTIVITY see subdivision under Volgograd

TRACTOR TRAINS—SAFETY APPLIANCES

Balancer of the hydraulic lift gear of a dump tractor train. Avi. transp. 41 no. 1:43-44 Ja '63.

TRACTORS

(see also subdivision under Great Britain)

Business accounting in the use of tractors. I. Germash. Tekh. v sel'khoz. 22 no. 7:66-69 Ji '62.

Kononov, A. M. [Manual on "Belarus" tractors] Spravochnik po traktoram "Belarus". Moskva, Sel'khozizdat, 1962. 255 p.

Lyzo, G. P., A. P. Lyzo, and V. A. Lomovskii. [Tractors, motor vehicles, engines] Traktory, avtomobili, dyvgateli. Pod obshchey red. G. P. Lyzo. Moskva, Vysshaya shkola, 1962. 481 p.

The MTZ-50 and MTZ-52 tractors. E. Sorokin. Tekh. v sel'khoz. 22 no. 12:35-39 D '62.

TRACTORS—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref. zhur.: Trakt. i sel'khoz. mash. i orud. no. 2 F '63.

TRACTORS—COLD WEATHER OPERATION

Attachment aiding in the start of a diesel engine. E. Dolbe. Tekh. v sel'khoz. 22 no. 12:78 D '62.

Concerning E. Dolbe's suggestion. N. Pasechnikov. Tekh. v sel'khoz. 22 no. 12:78 D '62.

TRACTORS—DESIGN AND CONSTRUCTION

Kosenko, B. F., B. P. Tiurkin, and N. G. Shepelenko. [Soviet-made tractors] Otechestvennye traktory; spravochnik. Moskva, Mashgiz, 1962. 535 p.

[Technology in the motor-vehicle and tractor industry] Tekhnologiya avtotraktorostroeniia [By] D. P. Maslov i dr. Moskva, Mashgiz, 1962. 432 p.

TRACTORS—ENGINES

Boltinskii, V. N. [Theory, design, and calculation of tractor and motor-vehicle engines] Teoriia, konstruktsiia i raschet traktornykh i avtomobilnykh dyvgatelei. Moskva, Sel'khozizdat, 1962. 390 p.

Koval', I. A., V. IU. Yakhtel', and B. S. Eremonko. [Standardized diesel engine for tractors and combines] Unifitsirovannyi dizel' dlia traktorov i kombinov. Moskva, Sel'khozizdat, 1962. 222 p.

The valve gaps should be adjusted with greater accuracy. V. Eremin. Tekh. v sel'khoz. 22 no. 7:87 Ji '62.

TRACTORS—ENGINES—CYLINDERS

Preparing cylinder blocks before assembling engines. V. H. Onyshchenko. Mekh. sil', hosp. 13 no. 12:10-11 D '62.

Restoration of the cylinders of the PD-10 engine. A. Shavlov. Tekh. v sel'khoz. 22 no. 12:60-62 D '62.

TRACTORS—ENGINES—TESTING

Device for determining engine loads. A. A. Ivol'vark, I. V. Vahner. Mekh. sil', hosp. 13 no. 12:27-29 D '62.

TRACTORS—EQUIPMENT AND SUPPLIES

A universal tractor-mounted loader. I. Nartsov, IA. Gol'diner, G. Al'man. Tekh. v sel'khoz. 22 no. 12:71-72 D '62.

TRACTORS—FUEL SYSTEMS

Restoration of plunger pairs by means of chrome plating. A. Bondarenko. Tekh. v sel'khoz. 22 no. 12:57-60 D '62.

TRACTORS—HYDRAULIC EQUIPMENT

Adjustment of safety valves. A. Galkin. Tekh. v sel'khoz. 22 no. 12:53 D '62.

Design of hydraulic power steering of the MTZ-50 PL tractor and technological care for it. II. L. Kal'mus, S. S. Isaiev. Mekh. sil', hosp. 13 no. 12:20-23 D '62.

How to prolong the life of hydraulic hoses. N. Voznosnanski, V. Grushevskii. Tekh. v sel'khoz. 22 no. 12:52 D '62.

TRACTORS—MAINTENANCE AND REPAIR

Adjustment pin. O. Sorikov. Tekh. v sel'khoz. 22 no. 12:60 D '62.

Boring of balancers on the PP-4 machine. V. Ryn'kov. Tekh. v sel'khoz. 22 no. 12:77 D '62.

Electrical network and power source of a system for build-up welding with a weaving arc. A. Polachenko, IU. Zlotin. Tekh. v sel'khoz. 22 no. 12:62-66 D '62.

Klobanov, B. V., and others. [Repair of motor vehicles and tractors] Remont avtomobilei i traktorov. Pod red. B. V. Klobanova. Moskva, Mashgiz, Pt. 2, 1962. 301 p.

Rebuilding of seal rings. A. Shavlov. Tekh. v sel'khoz. 22 no. 7:87 Ji '62.

Repair of the front bar of a tractor frame. O. Zlochevskii. Tekh. v sel'khoz. 22 no. 7:86 Ji '62.

Repairing cylinder blocks by the use of epoxy resins. V. H. Aver'ianov. Mekh. sil', hosp. 13 no. 12:11-12 D '62.

TRACTORS—STEERING GEAR

Conversion of the steering mechanism of the DT-54 tractor. N. Zhilitskii. Tekh. v sel'khoz. 22 no. 12:78-79 D '62.

TRACTORS—TESTING

An improved scale for the T-4 stand. G. Naznaiko. Tekh. v sel'khoz. 22 no. 12:76 D '62.

TRACTORS—TRAILERS

Mechanism for hitching single-axle trailers to wheel-type tractors. Tekh. v sel'khoz. 22 no. 12:48-51 D '62.

New agricultural trailers. V. Infantov, R. Astankova. Tekh. v sel'khoz. 22 no. 7:62-63 Ji '62.

TRACTORS—WELDING

Semiautomatic welding in carbon dioxide at the Chelyabinsk Tractor Plant. O. D. Supereko, V. I. Akulov. Svar. protzv. no. 1:16-19 Ja '63.

TRADE UNIONS

(see also subdivision under Africa; Bashkiria; British Columbia; Cameroon; Ghana; Indonesia; Japan; Kazakhstan; Lvov; Moldavia; Moscow; Moscow Province; Perm Province; Poland; Ruzayovka District; Kokchetav Province; Sinala, Rumania; United States; Uzbekistan)

Answers to our readers' questions. Sov. profsolyuzy 19 no. 5:29 Mr '63.

In the Presidium of the All-Union Central Council of Trade Unions. Okhr. truda i sots. strakh. 6 no. 2:47 F '63.

Labor disputes and factory and plant local committees. S. Tsetlin. Sov. profsolyuzy 19 no. 4:29 F '63.

Leningrad, Universitet. [Legal status of Soviet trade unions] Pravoov polozhenie professional'nykh soluzov SSSR. [Leningrad] 1962. 145 p.

Let us greet the 23d Congress of Trade Unions with worthwhile accomplishments. Sov. profsolyuzy 19 no. 3:1-2 F '63.

Let's carry out the party resolutions! Okhr. truda i sots. strakh. 6 no. 12:1-2 D '62.

Letters from the editor. Sov. profsolyuzy 19 no. 2:30 Ja '63.

Letters from the editor. Sov. profsolyuzy 19 no. 4:30-31 F '63.

The militant program of operations. Sov. profsolyuzy 19 no. 2:1-3 Ja '63.

New upsurge in trade-union work! Okhr. truda i sots. strakh. 6 no. 2:1-2 F '63.

Oppose the advance of monopolies by a united front of trade unions. Lela Saillant. Vsem. prof. dvizh. no. 2:28-33 F '63.

TRADE UNIONS (Continued)

- Organizers and mass educators. B. Utekhin, V. Davidenko, Mest.prom. i khud.promys. 3 no. 12: 16-17 D '62.
- Our faithful helpers. V. Dorosh, Zhi. -kom. khoz. 12 no. 8:13 S '62.
- Public inspection of service industry enterprises. G. Nikolaev, Mest.prom. i khud. promys. 3 no. 12:2 D '62.
- Reports and elections. L. Mamoshkin, Mest.prom. i khud. promys. 3 no. 1:30 Ja '63.
- Respect Soviet laws. Sov. profsoiuzy 19 no. 4:1-2 F '63.
- Span bridges across gulfs. B. Andreev, Sov. profsoiuzy. 19 no. 2:4-5 Ja '63.
- They struggle for workers' health. Okhr. truda i sots. strakh. 6 no. 2:15-17 F '63.
- Thieves of time. Sov. profsoiuzy 19 no. 3:27 F '63.
- Third Plenum of the Central Committee of the Trade Union. Vest. vys. shkoly 21 no. 2:83 F '63.

TRADE UNIONS—BIBLIOGRAPHY see Bibliography—Trade unions

TRADE UNIONS—CONGRESSES

- Efficient weapon of class struggle. V. Batishchev, Okhr. truda i sots. strakh. 5 no. 12:42-43 D '62.

TRADE UNIONS—HANDBOOKS, MANUALS, ETC.

- The diary of a trade-union group organizer. A. Cheladinova, Sov. profsoiuzy 19 no. 2:11 Ja '63.

Moscow. Vysshaya zaochnaya shkola profdizheniya. [Book of the trade-union committee chairman; aid to the factory, plant and workshop committee chairman] Kniga predsedatelia komiteta profsoiuzy; v pomoshch predsedateli fabrichnogo, zavodskogo, tsikhovogo komiteta. [Moskva] Profizdat, 1962. 350 p.

TRADE UNIONS—OFFICERS

- (see also subdivision under Crimea; Korea, North; Poland; Sverdlovsk; Vinnitsa Province; Vladimir)
- Creativeness is the spirit of trade-union work. V. Tarasov, N. Mishin, A. Savin, Sov. profsoiuzy 19 no. 2:15-17 Ja '63.
- There is a lot of work waiting for us in the village. I. Shkuratov, Sov. profsoiuzy 19 no. 5:1-3 Mr '63.
- Thoughts, suggestions and wishes. A. Ivanova, R. Vdovina, M. Voronova, Sov. profsoiuzy 19 no. 5: 18-19 Mr '63.
- Volunteer, organizer and creator! M. Ivanovskaya, N. Tatarskaya, Sov. profsoiuzy 19 no. 3:17 F '63.

TRAFFIC ACCIDENT INVESTIGATION

- Some conditions for blood stain formation on the parts of a moving automobile. A. A. Lopatenok, O. S. Budakov, Sud.-med. ekspert. 6 no. 1:20-21 Ja-Mr '63.

TRAFFIC ACCIDENTS

- (see also subdivision under Moscow)
- Epidemic of traumatism abroad and its causes. I. I. Sluchevskii, Sov. zdrav. 22 no. 2:69-74 '63.
- Leningrad. Universitet. Iuridicheskii fakul'tet. [Traffic accidents and their investigation] Aviotransportnye proisshествiya i ikh rassledovanie. Pod red. N. S. Alekseeva i L. Kh. Maksutova. Moskva, Gosizdat, 1962. 313 p.

TRAFFIC ACCIDENTS—CASES see subdivision under Moscow

TRAFFIC ENGINEERING

- Automatic traffic control. V. Vladimirov, Za bezop. dvizh. 5 no. 2:9 F '63.

TRAFFIC REGULATIONS

- New traffic regulations for railroad crossings. P. Pushkon, Avt. transp. 41 no. 2:49 F '63.

TRAFFIC SAFETY

- (see also subdivision under Moscow)

- Be careful on bridges. N. Makarov, Za bezop. dvizh. 5 no. 2:13-14 F '63.
- Kleitman, S. L., L. A. Lagunov, and T. I. Grinchenko. [Traffic safety] Bezopasnost' dvizheniya avtomobilov. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 206 p.
- Our dictionary. G. Solov'ev, Za bezop. dvizh. 5 no. 2: 12-13 F '63.

TRAFFIC SAFETY—STUDY AND TEACHING see subdivision under Moscow

TRAFFIC SIGNS AND SIGNALS

- Using traffic guide lights with additional sections. A. Rybin, Avt. transp. 41 no. 2:48-49 F '63.

TRAFFIC VIOLATIONS

- The determination of traffic offenses. D. Urovs'kiy, Rad. pravo no. 5:71-75 S-O '62.

TRAINING OF EMPLOYEES see Employees, Training of

TRANS-ILI ALA-TAU—BLACK GROUSE

- Ecology of the Tien Shan black grouse (Trans-ili Ala-Tau). M. D. Zverev, Ornitologiya no. 5:208-210 '62.

TRANS-ILI ALA-TAU—CLIMATE

- Dynamics of local weather on the northern slopes of Terskei Ala-Tau and the Trans-ili Ala-Tau. L. A. Chubukov, IU. N. Shvareva, Trudy Inst. geog. 81:3-28 '62.

TRANSAMINASES

- Activity of serum glutaminoxalatoacetic transaminase and aldolase in acute epidemic hepatitis. O. A. Dunayevskii, Vrach. delo no. 1:88-89 Ja '63.

TRANSBAIKALIA—BEUDANTITE

- Tl and Sn containing beudantite from the Bol'shaya Shirovaya Gora deposit (eastern Transbaikalia). E. I. Dolomanova, IU. S. Nesterova, G. A. Arapova, Trudy Min. muz. no. 13:179-180 '62.

TRANSBAIKALIA—CORN (MAIZE)

- Corn in Transbaikalia. G. Bykov, Prof. -tekh. obr. 20 no. 2:13 F '63.

TRANSBAIKALIA—CRYOPEDOLOGY

- Geocryologic phenomena and relief forms created by them in southeastern Transbaikalia. E. A. Vtiurina, Trudy Inst. merzl. AN SSSR 18:17-25 '62.

TRANSBAIKALIA—FOREST SOILS

- Nature of the humus of mountain taiga ferruginous soils in western Transbaikalia [with summary in English]. K. K. Vil'k, Pochvovedenie no. 12:31-37 D '62.

TRANSBAIKALIA—HUMUS

- Nature of the humus of mountain taiga ferruginous soils in western Transbaikalia [with summary in English]. K. K. Vil'k, Pochvovedenie no. 12:31-37 D '62.

TRANSBAIKALIA—LANDFORMS

- Geocryologic phenomena and relief forms created by them in southeastern Transbaikalia. E. A. Vtiurina, Trudy Inst. merzl. AN SSSR 18:17-25 '62.

TRANSBAIKALIA—ORE DEPOSITS

- Some characteristics of complex metal ores of eastern Transbaikalia. V. P. Rakhmanov, F. A. Slutliv, Trudy Min. muz. no. 13:79-101 '62.

TRANSBAIKALIA—PEGMATITES

- Finds of zinc phosphates in pegmatites of Transbaikalia. T. I. Timchenko, G. A. Sidorenko, Trudy Min. muz. no. 13:219-223 '62.

TRANSBAIKALIA—PUBLIC HEALTH

- History of public health in Transbaikalia; on the occasion of the 40th anniversary of Soviet power in Transbaikalia. K. I. Zhuravleva, Sov. zdrav. 22 no. 2:45-51 '63.

TRANSBAIKALIA—ZEOLITES

- Zeolites from the Shirovaya Gora deposit in eastern Transbaikalia. E. I. Dolomanova, Trudy Min. muz. no. 13:172-178 '62.

TRANSBAIKALIA—ZINC ORES

- Mineralogy of oxidized zinc ores in complex metal deposits of eastern Transbaikalia. V. N. Dubinina, I. A. Kornilovich, Trudy Min. muz. no. 13:43-61 '62.

TRANSBAIKALIA—ZINC PHOSPHATES

- Finds of zinc phosphates in pegmatites of Transbaikalia. T. I. Timchenko, G. A. Sidorenko, Trudy Min. muz. no. 13:219-223 '62.

TRANSCARPATIA—ALGAE, FOSSIL

- New data on algae and the stratigraphy of the Upper Cretaceous and Lower Paleocene of the Marmarosh Massif. A. L. Krivin, V. P. Maslov, Izv. AN SSSR. Ser. geol. 27 no. 12:61-71 D '62.

TRANSCARPATIA—APPLE

- Embryology of the second flowering of apple trees in Transcarpathia [with summary in English]. I. M. Cherny, Ukr. bot. zhur. 19 no. 6:23-29 '62.

TRANSCARPATIA—FARM BUILDINGS

- Precast reinforced concrete in rural buildings in Transcarpathia. D. Hrinshstein, M. Votvorych, Sil', bud. 13 no. 2:3-5 F '63.

TRANSCARPATIA—FISHING

- [Through Transcarpathia with gun and fishing rod] Z rushnytselu i vudochkoiu po Zakarpattiu. Uzhhorod, Zakarpats'ke obl. vyd-vo, 1958. 86 p.

TRANSCARPATIA—GEOLOGY, STRATIGRAPHIC

- New data on algae and the stratigraphy of the Upper Cretaceous and Lower Paleocene of the Marmarosh Massif. A. L. Krivin, V. P. Maslov, Izv. AN SSSR. Ser. geol. 27 no. 12:61-71 D '62.

TRANSCARPATIA—GEOLOGY, STRUCTURAL

- The seismotectonics of Transcarpathia. I. D. Gofshstein, Dokl. AN SSSR 148 no. 3:561-564 Ja '63.

TRANSCARPATIA—GITERS

- Mineral substances and vitamins in the food rations of the population of Transcarpathian giter foci [with summary in English]. V. M. Meshchenko and others, Vrach. delo no. 11:61-63 N '62.

TRANSCARPATIA—HUNTING

- [Through Transcarpathia with gun and fishing rod] Z rushnytselu i vudochkoiu po Zakarpattiu. Uzhhorod, Zakarpats'ke obl. vyd-vo, 1958. 86 p.

TRANSCARPATIA—MINERAL WATERS

- Meshchenko, V. [Mineral springs of Transcarpathia] Mineralnye istochniki Zakarpattia. Pod red. M. S. Turkel'tsiba. Uzhgorod, Zakarpatskoe obl. izd-vo, 1956. 59 p.

TRANSCARPATIA—PLANTS, FLOWERING OF

- Embryology of the second flowering of apple trees in Transcarpathia [with summary in English]. I. M. Cherny, Ukr. bot. zhur. 19 no. 6:23-29 '62.

TRANSCARPATIA—POTATO BEETLE

- Estivation of the Colorado beetle (Leptinotarsa decemlineata Say) in Transcarpathia, Ukrainian S. S. R. D. V. Petrova, Dokl. AN SSSR 147 no. 5:1196-1199 D '62.

TRANSCARPATIA—PRECAST CONCRETE CONSTRUCTION

- Precast reinforced concrete in rural buildings in Transcarpathia. D. Hrinshstein, M. Votvorych, Sil', bud. 13 no. 2:3-5 F '63.

TRANSCARPATIA—SEISMOLOGY

- The seismotectonics of Transcarpathia. I. D. Gofshstein, Dokl. AN SSSR 148 no. 3:561-564 Ja '63.

TRANSCARPATIA—UKRAINIAN LANGUAGE—DIALECTS

- Dzendzeliv's'kiy, I. O. [Linguistic atlas of Ukrainian dialects in Transcarpathian Province of the Ukrainian S. S. R.; vocabulary] Lingvistichnyi atlas ukrains'kykh narodnykh hovoriv Zakarpats'koi oblasti URSS; lekayka. Uzhgorod. Pt. 2. 1960. 9 p. maps (Uzhgorod. Universitet. Naukovy zapysky, vol. 42)

TRANSCAUCASIA—ELECTRIC POWER PLANTS

- Example of using a calculating machine to compute the optimum operating conditions for hydroelectric and thermal electric stations. V. G. Begikarov, Izv. AN Arm. SSR, Ser. tekhn. nauk 15 no. 5:57-58 '62.

TRANSCAUCASIA—GEOLOGY, STRUCTURAL

- Some characteristics of igneous activity in the deep fault zone of Transcaucasia. S. Sh. Sarkisian, Izv. AN SSSR. Ser. geol. 28 no. 2:10-21 F '63.

TRANSCAUCASIA—RHUS, FOSSIL

- A new species of the genus Rhus from the Upper Sarmatian of Transcaucasia. R. A. Fatatiev, Dokl. AN SSSR 148 no. 1:187-198 Ja '63.

TRANSDUCERS

- Lithium chloride pickups. R. G. Barmina, A. L. Daiker, Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 1:44-46 '63.
- Miniature induction transducers with a linear characteristic and a large impulse stroke. D. T. Vasil'ev, Stan. i instr. 34 no. 1:35-37 Ja '63.
- Noncontact position pickups. D. M. Mash, K. V. Prusa, A. N. Sorokin, Priborostroenie no. 1:16 Ja '63.
- Thermal effect in wire-type resistance transducers. G. A. Mitichenko, Priborostroenie no. 1:6-8 Ja '63.

TRANSDUCTORS see Magnetic amplifiers

TRANSFORMATIONS (MATHEMATICS)

- Involutorial transformations and the method of successive approximations for elliptic equations. A. I. Koshelev, Dokl. AN SSSR 148 no. 2:274-278 Ja '63.

TRANSIENTS (ELECTRICITY)

- Approximate account of "ideally" grounded wires in the calculation of traveling wave transients of overhead power transmission lines. M. V. Kostenko, L. S. Perel'man, Elektrichestvo no. 1:52-54 Ja '63.

TRANSISTOR AMPLIFIERS

- A transistor amplifier for measuring devices of automatic control systems. N. I. Smirnov, Avtom. kont. i izm. tekhn. no. 6:169-171 '62.
- Volkov, V. M. [Logarithmic amplifiers] Logarifmicheskio usiliteli. Kiev, Gostekhtizdat, USSR, 1962. 243 p.

TRANSISTOR CIRCUITS

- Circuits of phase-sensitive transistor rectifiers. M. A. Rakov, Avtom. kont. i izm. tekhn. no. 6:105-108 '62.
- Temperature stability of a transistorized converter. V. G. Zubov, Avtom. kont. i izm. tekhn. no. 6:114-121 '62.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS

- The "Gauls" radio receiver with KBS-L-0, 5 batteries. A. Dudnichenko, Radio no. 2:64 F '63.

TRANSISTORS

- Contribution to the theory of characteristics of p-n-p-n transistor devices. V. A. Kuz'min, Radiotekhn. i elektron. 8 no. 2:351-352 F '63.
- Conversion of transistor characteristics. B. I. Blazhkevich, R. P. Bazilevich, Avtom. kont. i izm. tekhn. no. 6: 68-87 '62.

TRANSISTORS (Continued)

Experimental study of the residual parameters of a transistor operating in a small signal switching mode. V. G. Zubov. *Avtom. kont. i izm. tekhn.* no. 6:98-104 '62.

Our consultations. *Radio* no. 2:50-61 F '63.

"Transistor diodes and triodes." Reviewed by B. S. Agafonov. *Vest. svyazi* 23 no. 2:p. 3 of cover F '63.

TRANSITION METALS

Study of the interaction of gaseous $ZrCl_4$, $HfCl_4$, $NbCl_5$, and $TaCl_5$ with KCl by means of radioactive indicators. I. Zvara, L. K. Tarasov. *Zhur. neorg. khim.* 7 no. 12: 2565-2570 D '62.

X-ray study of transition metals of the iron group. V. V. Nemoshkalenko. *Dokl. AN SSSR* 148 no. 1:78-81 Ja '63.

TRANSPLANTATION OF ORGANS, TISSUES, ETC.

Innervation of S. A. Proskurakov's spiral flap [with summary in English]. I. I. Kaleev. *Zhur. ush., nos. i govl. bol.* 22 no. 4:56-61 Ji-Ag '62.

Relativity of radiation-induced immunological tolerance. R. V. Petrov, V. F. Sosova. *Radioobiologiya* 3 no. 1: 99-103 '63.

Shiller, N. E., and I. G. Shishina. [Barrier of incompatibility] *Bar'yer nesovmestimosti*. Pod nauchn. red. R. V. Petrova. Moskva, Izd-vo "Znanie," 1963, 39 p. (Novoe v zhizni, nauke, tekhnike, VIII Seriya: Biologiya i medicina, no. 4)

TRANSPORTATION

(see also subdivision under Azerbaijan; Moscow; Siberia, Eastern)

Automotive transportation is a part of the unified transportation system. I. Verkhovskii. *Avi. transp.* 41 no. 2:1-4 F '63.

Conference on over-all mechanization of transportation operations. *Avi. transp.* 41 no. 2:4 F '63.

From railroad to automotive transportation. S. Pashutin. *Avi. transp.* 41 no. 1:58 Ja '63.

Important decision. *Avi. transp.* 41 no. 2:4 F '63.

Improve the planning of freight transportation by direct mixed railroad-water communications. P. Matveev, A. Baranov. *Mor. flot* 23 no. 2:6-8 F '63.

With the sharp eye of a passenger. *Zhizn. -kom. khoz.* 12 no. 9:23-25 S '62.

TRANSPORTATION—ABSTRACTS

[Container shipments and the interaction of various types of transportation] *Ref. zhur. : Vzaimeots. raz. vid. transp. i kont. perev.* nos. 2-3 F-Mr '63.

[Industrial transportation] *Ref. zhur. : Prom. transp.* no. 2 F '63.

TRANSPORTATION—BUILDINGS AND STRUCTURES

Bubushkin. *Vsesoluznyi nauchno-issledovatel'skii institut transportnogo stroitel'stva*. [Economic efficiency of capital investments and new machinery in transportation construction] *Ekonomicheskaya effektivnost' kapital'nykh vložhenii i novoi tekhniki v transportnom stroitel'stve*. Moskva, Vses. izdatel'sko-pollgr. ob"edinenie M-va putei soobshcheniya, 1962, 233 p. (Izg. Trudy, no. 48)

TRANSPORTATION, AUTOMOTIVE

(see also subdivision under Kostroma; Leningrad; Moscow)

Evaluation of the productivity of road service by transportation criteria. M. F. Smirnov. *Avi. dor.* 25 no. 12:7-8 D '62.

Expenses for automotive transportation were cut by two thirds. M. A. Kazanovich. *Transp. stroit.* 12 no. 9: 40-41 S '62.

Integrated brigades. G. Srubasovskii, I. Aizenshtein. *Avi. transp.* 41 no. 2:8-9 F '63.

Introduction of innovations. *Avi. transp.* 41 no. 2:58-59 F '63.

The main objective is the needs of the national economy. T. Kolchuev. *Avi. transp.* 41 no. 2:39 F '63.

Our objectives for the new year. V. Kalabukhov. *Avi. transp.* 41 no. 1:1-3 Ja '63.

Potentialities for improving interurban passenger traffic. L. Bronshteyn, I. Tsekhanovich. *Avi. transp.* 41 no. 1: 11-13 Ja '63.

Results of the consolidation. M. Konovalov. *Avi. transp.* 41 no. 1:8-9 Ja '63.

Road and motor vehicle form a unit. *Avi. transp.* 41 no. 1:57-58 Ja '63.

Selecting the first loading site for ring routes. D. Belov, V. Bobarykin. *Avi. transp.* 41 no. 1:36-37 Ja '63.

Sigaev, A. V. [City thoroughfares for truck traffic] *Gruzovye magistrali goroda*. Moskva, Gosstroizdat, 1962, 182 p.

Some shortcomings in planning automotive transportation. Kh. Vitko. *Avi. transp.* 41 no. 1:32-33 Ja '63.

[Translations of foreign periodical literature on problems of automotive transportation] *Sbor. perev. mat. iz inostr. period. lit. po vop. avi. transp.* no. 6 '62.

Voluntary inspection in action. I. Davydov, V. Dement'ev. *Avi. transp.* 41 no. 1:4-5 Ja '63.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

[Automotive and city transportation] *Ref. zhur. : Avi. i gor. transp.* no. 3 Mr '63.

TRANSPORTATION, AUTOMOTIVE—ACCOUNTING

Accounting for haulage. T. Butorina. *Avi. transp.* 41 no. 2:33-34 F '63.

TRANSPORTATION, AUTOMOTIVE—BIBLIOGRAPHY see Bibliography—Transportation, Automotive

TRANSPORTATION, AUTOMOTIVE—COST OF OPERATION

Cost and evaluation of the operation of an automotive transportation unit. S. Rogachevskii. *Avi. transp.* 41 no. 2:36-39 F '63.

Efficient management of an automotive transportation unit. M. Abramov. *Avi. transp.* 41 no. 2:33-35 F '63.

TRANSPORTATION, AUTOMOTIVE—FREIGHT

(see also subdivision under Kazakhstan)
Specialized automotive transportation unit for interurban hauling services. A. Gotman. *Avi. transp.* 41 no. 2: 13 F '63.

Zagulov, Zh. [Cost of automotive freight transportation and ways to reduce it] *Sebestoimost' gruzovykh avtomobil'nykh perevozok i puti ee snizheniya*. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962, 88 p.

TRANSPORTATION, AUTOMOTIVE—STUDY AND TEACHING

Pavlenko, E. Ia. [Automotive transportation; problems and exercises] *Avtomobil'nye perevozki; sbornik zadach i uprazhnenii*. Moskva, Avtoizdat, 1962, 184 p.

TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS see subdivision under Donetsk Province; Elektrostal'; Moscow

TRANSPORTER BRIDGES

(see also subdivision under Chasov Yar region)

Determination of the winter reserves of minerals and their effect on the dimensions of transporter bridges. A. A. Chernegov, V. I. Pechkovskii. *Trudy Inst. gor. dela AN URSS* no. 11:101-105 '62.

TRAUMATISM

Syzganov, A. N. [Control of agricultural traumatism; methodological instructions for rural medical workers] *Bor'ba s sel'skokhoziaistvennym travmatizmom; metodicheskie ukazaniia sel'skim meditsinskim rabotnikam*. Izd. 2. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962, 32 p. (DNAL)

Traumatism in piglets and its prophylaxis. L. I. Tsel'shev. *Veterinariia* 37 no. 11:64-66 N '60.

TRAVEL COSTS

Business trips. V. Korotkov. *Sov. profsoiuzy* 19 no. 2:26-27 Ja '63.

TRAVELERS, JAPANESE

"Dreams about Russia." Translated from the Japanese. Reviewed by I. I. Khvan. *Vop. ist.* 38 no. 2:158-160 F '63.

TRAVERSES (SURVEYING)

Bridging a plane table net by the phototraversing method. V. N. Belykh. *Geod. i kart.* no. 1:41-43 Ja '63.

Using corrections in the length of lines and bearing angles to calculate corrections for departures of coordinates from traverses. V. V. Kotov. *Izv. vys. ucheb. zav. ; geod. i aerof.* no. 4:89-95 '62.

Using the method of conditions in determining corrections for departures of coordinates from a traverse. V. I. Saitnikov. *Izv. vys. ucheb. zav. ; geod. i aerof.* no. 4: 65-72 '62.

TREE PLANTING—EQUIPMENT AND SUPPLIES

The SBN-1 tree-planting machine. N. I. Polunin. *Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 1:49-50 '63.

TREES

Damage of trees by lightning. V. I. Arabadzhi, S. G. Khodasevich. *Priroda* 52 no. 2:99-100 '63.

TREES—PHYSIOLOGY

Ripening of fruit and the duration of seed dormancy. P. V. Sapankevich. *Trudy Brian. tekhn. inst.* 9:273-280 '60.

TREES—WOUNDS AND INJURIES

Intensity of the healing of living stumps. A. P. Shadnev, S. P. Maevskii. *Trudy Brian. tekhn. inst.* 9:16-23 '60.

TREES, FOSSIL see subdivision under Koryak Range

TREMATODA

(see also subdivision under Kamchatka; Zeya River)
Diagnostic and immunological characteristics of antigens separated from *Thysanites* and *Dicrocoelium*. Sh. A. Asimov. *Trudy Uz. nauch. -issl. inst. vet.* 14:177-187 '61.

Glycogen and fat in different phases of the life cycle of trematodes. Part 2: Biological role of glycogen and fat [with summary in English]. T. A. Ginetainskaia, A. A. Dobrovolskii. *Vest. LGU* 18 no. 3:23-33 '63.

TRENCH DIGGING MACHINES

Sokolov, A. V. [BTM high-speed trench digging machine] *Bystrokhodnaya transheinala mashina BTM*. Moskva, Voenizdat, 1962, 150 p. (Za voenno-tekhnicheskie znanii)

The UTM-3M machine for digging narrow trenches. P. Nazarevskii. *Tekhn. v sel'khoz.* 22 no. 7:49 Ji '62.

TRESTLES

Erection of trestles using intermediate supports. A. Kim. *Na stroit. Ros.* 3 no. 12:15 D '62.

TRIALET RANGE—FOREST ECOLOGY

Forest types in the eastern extremity of the Trialet Range and their natural reproduction [in Georgian with summary in Russian]. B. I. Sudzhashvili. *Trudy Inst. less AN Gruz. SSR* 11:169-182 '62.

Forest types of the Trialet Range and their use in forestry. L. B. Mekhatadze. *Trudy Inst. less AN Gruz. SSR* 11:3-44 '62.

TRIALET RANGE—FOREST REPRODUCTION

Forest types in the eastern extremity of the Trialet Range and their natural reproduction [in Georgian with summary in Russian]. B. I. Sudzhashvili. *Trudy Inst. less AN Gruz. SSR* 11:169-182 '62.

TRIALET RANGE—PINE

Importance of the size of pine cones and their opening for the germination of seeds and yield of seedlings [in Georgian with summary in Russian]. R. S. Gotsfridze. *Trudy Inst. less AN Gruz. SSR* 11:183-187 '62.

TRIALS see subdivision under Italy

TRIALS (CONSPIRACY) see subdivision under Liberia

TRIANGULATION

Graphic adjustment of linear triangulation. V. L. Kagan. *Geod. i kart.* no. 12:3-14 D '62.

Real accuracy of angle measurements in 2d and 3d order triangulation, calculated from triangle closure errors. Z. S. Khalmov. *Izv. vys. ucheb. zav. ; geod. i aerof.* no. 4:73-81 '62.

Use of conformal transformations in adjusting analytical nets. O. B. Shelmin. *Geod. i kart.* no. 1:15-17 Ja '63.

Using approximations in adjusting 2d class triangulation nets. P. A. Galdaev, G. V. Fertakov. *Geod. i kart.* no. 1:7-15 Ja '63.

TRIANGULATION SIGNAL TOWERS

"Erecting signals" by V. N. Shishkin. Reviewed by M. A. Blitum and N. A. Kutserib. *Geod. i kart.* no. 12: 85-86 D '62.

Reinforced concrete signal towers for triangulation in cities. V. N. Belkov, G. S. Gurova. *Geod. i kart.* no. 1: 27-32 Ja '63.

TRIAZINE

Molecular structure of s-triazine and its derivatives. A. I. Finkel'shtein, E. N. Bol'sov. *Usp. khim.* 31 no. 12: 1498-1510 D '62.

TRICHINA AND TRICHINOSIS see subdivision under Georgia

TRICHODESMA—TOXICOLOGY

Testing the effect of *Trichodesma incana* seeds on rabbits, guinea pigs, and pigeons; pathologicoanatomical study. A. G. Stolarova. *Trudy Uz. nauch. -issl. inst. vet.* 14:231-237 '61.

TRICHOMONAS

(see also subdivision under Altai Territory)

Biometrical study of *Trichomonas* in swine and *Trichomonas foetus* (Riedmueller, 1920). B. A. Timofeev. *Trudy VIEV* 26:148-156 '62.

Method and results of studying the trichomonocidal properties of some preparations. A. A. Sunaikin. *Trudy VIEV* 26:163-172 '62.

Trichomonas in chickens and ducks. O. I. Bondarenko. *Trudy VIEV* 26:157-162 '62.

TRICHOMONIASIS

(see also subdivision under Uzbekistan)

Treatment of trichomonal diseases of the sexual organs of a woman by the "Hutenuril" preparation. V. N. Vlasov. *Nauch. trudy Chetv. Mosk. gor. klin. bol.* no. 1:295-301 '61.

TRIGEMINAL NEURALGIA see Neuralgia, Trigeminal

TRIODES

Characteristics of the use of silicon triodes for converting weak d.c. signals to a.c. N. S. Nikolaenko, V. P. Fedotov. *Izv. vys. ucheb. zav. ; prib.* 6 no. 1: 10-26 '63.

TRIPHENYLMETHANE DYES

Development of the concept of structure of triphenylmethane dyes. O. F. Ginzburg. *Trudy Inst. fiz. est. i tekhn.* 38:176-184 '62.

TRIPHENYLENE see subdivision under Siberia

TRITERPENES

New triterpenic acid ("macedonic") from *Glycyrrhiza macedonica* Boiss. et Orph. N. P. Kir'yalov, T. N. Naugol'nala. *Zhur. ob. khim.* 33 no. 2:697-700 F '63.

TRITERPENES (Continued)

New triterpenic acid ("meristotropic") from *Glycyrrhiza triphylla* Fisch. et Mey), N. P. Kir'ialov, T. N. Naugol'naya, Zhur. ob. khim., 33 no. 2:694-697 F '63.

Triterpenic acid ("echinatic") from roots of *Glycyrrhiza echinata* L. N. P. Kir'ialov, T. N. Naugol'naya, Zhur. ob. khim., 33 no. 2:700-703 F '63.

TROLLEY BUSES

Trailers for trolley buses. R. Omarov. Zhil. -kom. khoz., 12 no. 10:21-22 O '62.

Trolley bus driver. L. Andreev. Zhil. -kom. khoz., 12 no. 9:19-20 S '62.

TROLLEY BUSES—MAINTENANCE AND REPAIR

Bondarevskiy, D. I. [Operation and repair of streetcars and trolley buses in the depot] Eksploataatsia i remont tramvalnykh vagonov i troleibusov v depo. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962, 180 p.

TROPICS—CLIMATE

Temperature in engine and boiler rooms during tropical voyages. V. M. Zafetov. Sudostroenie 20 no. 2:22-27 F '63.

TROPICS—WINDS

Exchange of air in the tropical zone and its relation to general atmospheric circulation. A. L. Kats. Meteor. i gidrol., no. 2:3-14 F '63.

TROUSERS see subdivision under Riga

TROUT see subdivision under Kamchatka

TRUBCHEVSK REGION—BRONZE AGE

The Bronze age burial mounds near Trubchevsk. V. A. Padin. Sov. arkheol., 7 no. 1:289-293 '63.

TRUCK DRIVERS

(see also subdivision under Mangistauskiy District)

In the unit and on the route. S. Arkharov. Avi. transp., 41 no. 1:47-48 Ja '63.

TRUCK TRAILERS

Heavy three-axle trailer for building-unit transportation. I. U. Sokolov, A. Khorin. Avi. transp., 41 no. 1:45-46 Ja '63.

High-capacity trailers are needed. I. Golovin. Avi. transp., 41 no. 1:54 Ja '63.

Two-wheel dump trailers. M. D. Merzon, A. P. Lashchich. Avi. dor., 25 no. 12:26-27 D '62.

TRUSSES

Rabinov, G. E. [Static analysis of cable trusses] Stati-cheskii raschet form iz trosov; stenogramma lektsii. Nauchn. red. V. D. Linetskii, Leningrad, Leningr. dom nauchno-tokhn. propagandy, 1962, 54 p.

TRUSTS, INDUSTRIAL

(see also subdivision under United States)

The hundred largest monopolies in the capitalist world. A. P. Pushkin. Mir, ekon. i mezhdunar. otn. no. 1:122-130 '63.

TRYPTAMINE

Derivatives of indole. Report No. 5: 5-Acetyl- α -methyl-tryptamine. A. G. Terzian, G. T. Tatevosian. Izv. AN Arm. SSR, Khim. nauki 15 no. 6:563-566 '62.

TSADAM DEPRESSION—SAND

Granulometric and mineral composition of sands in the Tsadum Depression (Central Asia) in connection with their origin [with summary in English]. M. P. Petrov. Vest. LGU 17 no. 24:90-103 '62.

TSELINNY KRAY see Virgin Territory

TSELINOGRAD—CITY PLANNING

Planning and development of Tselinograd. V. Shkvarikov and others. Arkhit. SSSR no. 2:1-14 '63.

TSELINOGRAD—CITY PLANNING—COMPETITIONS

Competition for the design of a residential district and a public center for Tselinograd. I. Rozhin. Arkhit. SSSR no. 2:15-25 '63.

TSELINOGRAD—SERVICE INDUSTRIES

With united efforts. V. Kasatova. Mešt. prom. i khud. promys. 3 no. 1:18-19 Ja '63.

TSELINOGRAD DISTRICT—SOLAR RADIATION

Basic characteristics of the balance of radiation in Tselinograd District. K. F. Zhirkov. Meteor. i gidrol., no. 2:39-42 F '63.

TSION, IL'YA FADDEEVICH, 1842-1912

In memoriam of Il'ya Faddeevich TSION (1842-1912); on the 50th anniversary of his death. D. G. Kvasov. Fiziol. zhur., 48 no. 12:1526-1530 D '62.

TSKHALTUBO—HEALTH RESORTS, WATERING PLACES, ETC.

Effect of factors of the Tskhaltubo health resort on the functions of kidneys in hypertonic disease [in Georgian with summary in Russian]. T. G. Mardalishvili. Trudy Tbil. GIDUV 6:427-433 '62.

TSVILYK, PAVLINA IOSIFOVNA, 1892-

Life dedicated to art. V. Babil. Mešt. prom. i khud. promys. 3 no. 1:36 Ja '63.

TUAPSE—EVENING AND CONTINUATION SCHOOLS

A class advisor comes to a factory. . . I. A. Mishuchkov. Vech. sred. shkola 5 no. 6:16-17 N-D '62.

TUBERCULOSIS

Alekseev, U. A. [Extrapleural pneumonolysis in tuberculosis] Ekstraplevral'nyi pnevmoliz pri tuberkuleze. Ufa, Bashkirskoe knizhnoe izd-vo, 1962, 80 p. (DNLM)

Blood expectoration and hemorrhaging in the clinical aspects of lung tuberculosis. S. V. Berlin-Chertov. Nauch. trudy Chetv. Mosk. gor. klin. bol., no. 1:393-407 '61.

Importance of a long subfebrile state in tuberculosis [with summary in English]. E. D. Petrov. Vrach. delo no. 11:48-52 N '62.

Lung resection in cavernous tuberculosis [in Georgian with summary in Russian]. G. G. Abashidze. Trudy Tbil. GIDUV 6:193-202 '62.

Operation by the induction of extrapleural pneumothorax in the treatment complex for lung tuberculosis under high-mountain conditions. A. A. Terlikbaev. Zdrav. Kazakh. 22 no. 11:32-35 '62.

Seawater bath therapy of associated diseases in tuberculosis. A. V. Crabli'tsev. Vrach. delo no. 1: 146-147 Ja '63.

Treatment of pulmonary tuberculosis with phthivazide inhalations. E. V. Bistets and others. Vrach. delo no. 11:141-142 N '62.

Treatment of tuberculosis patients suffering from severe blood expectoration and profuse pulmonary hemorrhages [in Georgian with summary in Russian]. G. V. Mestashvili. Trudy Tbil. GIDUV 6:127-132 '62.

Tuberculostatic properties of mixed thiosemicarbazone guanthydrazone 1,3-indandione, a representative of a new type of antitubercular substances. V. I. A. Grin-shtein and others. Dokl. AN SSSR 147 no. 5:1083-1085 D '62.

TUBERCULOSIS—PREVENTION

Organization of fluorography in district centers and rural areas. L. Kh. Mitauer. Vrach. delo no. 1:147-148 Ja '63.

TUBERCULOSIS—STATISTICS

Status of and prospects for the surgical treatment of pulmonary tuberculosis in the Ukrainian S. S. R. G. G. Gorovenko. Klin. khir., no. 11:15-21 N '62.

TUBERCULOSIS IN CATTLE

Proteins and the morphology of the blood of cattle inoculated with the pathogen of tuberculosis of the fowl type. B. A. Nikanorov. Trudy VIEV 26:102-106 '62.

TUBES

Shurupov, A. K., and M. A. Freiberg. [Production of economical shape tubes] Proizvodstvo trub ekonomichnykh profilov. Sverdlovsk, Metallurgizdat, 1963, 266 p.

TUFFITES

Formation of pisolite-like magnetite and pisolite tuffite. E. I. Kutyrev. Izv. AN Arm. SSR, Geol. i geog. nauki 15 no. 6:25-34 '62.

TULA—RETAIL TRADE

Consumer purchasing funds as the basis of a plan. V. Getmanskiy. Sov. torg., 36 no. 10:3-5 O '62.

TULA PROVINCE—BIRDS

Ornithological observations in the oak forests of Tula Province. G. N. Likhachev. Ornitologiya no. 5:110-112 '62.

TULA PROVINCE—COMMUNITY CENTERS

If one speaks frankly. Klub 12 no. 8:11-14 Ag '62.

TULA PROVINCE—INDUSTRIAL MANAGEMENT

The party guidance of industrial enterprises. O. Chukanov. Kommunist 39 no. 4:48-56 Mr '63.

TULA PROVINCE—PUBLIC HEALTH

At the Board of the Ministry of Public Health of the R. S. F. S. R. on the work experience in medical and sanitary installations of Tula Province serving the workers and employees on state farms. O. A. Orlova. Zdrav. Ros. Feder. 7 no. 1:43-44 Ja '63.

TULAREMIA

(see also subdivision under Ob' Valley; Sverdlovsk) Some data on the effect of betatron rays on the natural immunity of white rats to tularemia [with summary in English]. E. I. Kleitman. Trudy TomNIYS 11:319-324 '60.

TULUN—HYDROLYSIS

We are expanding production. M. Mafutin, V. Matvienko, T. Naumchuk. Gidroliz i lesokhim. prom. 16 no. 1: 30-31 '63.

TUMORS, PLANT

Tumorlike formations on a white willow. I. U. B. Sinadskii. Priroda 52 no. 2:85 '63.

TUNGSTATES—SPECTRA

Mechanism underlying the formation of macromolecular tungstates studied by infrared spectroscopy. V. I. A. Kabanov, Vikt. Spitsyn. Dokl. AN SSSR 148 no. 1: 109-112 Ja '63.

TUNGSTEN

Secondary electron emission during the bombardment of tungsten by negative chlorine ions. U. A. Arifov, N. M. Khashimov. Radiotekh. i elektron. 8 no. 2:316-321 F '63.

TUNGSTEN-COBALT ALLOYS

Electrochemical separation and investigation of cemented and carbide phases of tungsten-cobalt solid alloys. V. I. Tumanov and others. Zav. lab. 29 no. 3:277-280 '63.

TUNGSTEN-IRON-CHROMIUM ALLOYS see Iron-tungsten-chromium alloys

TUNGSTEN ORES

Recovery of accessory minerals in finishing the dressing of intermediate products of tungsten. V. A. Skorov, I. U. M. Glebov. TSvet. met. 36 no. 2:15-19 F '63.

TUNGSTEN STEEL—METALLURGY

Making tungsten steel in open-hearth furnaces with use of aluminothermic schmelite briquets. V. A. Bogolubov and others. Stal' 23 no. 2:128-129 F '63.

TUNGUSES see subdivision under Buryat A. S. S. R.

TUNGUSKA, NIZHNYAYA see Lower Tunguska Valley

TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

TUNICATA

Trace element content in the organism and blood cells of ascidians. V. V. Koval'skii, L. T. Rezaeva, G. V. Kol'tsov. Dokl. AN SSSR 147 no. 5:1215-1217 D '62.

Vanadium content in the blood of *Ascidella aspersa*. V. V. Koval'skii, L. T. Rezaeva. Dokl. AN SSSR 148 no. 1:238-240 Ja '63.

TUNISIA—ECONOMIC CONDITIONS

A trip around Tunisia. V. Katin. Az. i Afr. seg. no. 3: 22-24 Mr '63.

TUNNEL LINING

Construction of subway stations with lining made of precast reinforced concrete. I. U. F. Solov'ev, V. N. Belolikov. Transp. stroit., 12 no. 7:22-25 Ji '62.

TURAN LOWLAND—GEOLOGY, STRUCTURAL

Relationship between the lower and upper structural stages of the platform mantle in the Turan Platform. R. G. Garetskii and others. Izv. AN SSSR, Ser. geol. 28 no. 3:83-92 Mr '63.

TURBELLARIA

History of the development of *Convoluta* as related to the morphology of ciliated flatworms. S. I. Bogomolov. Uch. zap. Kaz. un. 120 no. 6:155-208 '60.

TURBINES

Method for measuring temperatures in rotating machinery components. V. I. Fedorov, V. M. Sidun. Energ. i elektrotekh. prom. no. 4:32-34 O-D '62.

TURBINES—ABSTRACTS

[Turbine manufacture] Ref. zhur.: Turbostr. nos. 1-2, 4 Ja-F, Ap '63.

TURBOBLOWERS

Pashkov, V. D. [Air-blowing equipment in metallurgical plants] Vozdukhoduvnoe khoziaistvo metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1962, 247 p.

TURBODRILLS

Determination of the effective depth in turbodrilling based on the mechanical properties of rocks. T. G. Faradzhev, S. A. Nazirov. Azerb. neft. khoz. 41 no. 11:4-19 N '62.

Efficiency of 3TSSA-8" trisecional turbodrills. A. I. Lukashin and others. Azerb. neft. khoz. 41 no. 11: 12-14 N '62.

Experimental drilling using reducing-type turbodrills. G. A. Liubimov. Azerb. neft. khoz. 41 no. 4:15-18 Ap '62.

Lateral vibrations of the drill spring in turbodrilling. A. K. Kusumov. Azerb. neft. khoz. 41 no. 11:18-19 N '62.

TURBOGENERATORS

A brush slide contact on turbogenerator slip rings. N. G. Nesterov, N. V. Aleksandrov. Elek. sta. 34 no. 1:45-48 Ja '63.

Calculation of the rotor rims of large hydrogenerators. S. I. Gol'denberg. Vest. elektroprom. 34 no. 2:69-73 F '63.

TURBOGENERATORS (Continued)

- Choice of an expedient power limit of single-shaft turbogenerators. A. E. Gel'tman, D. M. Budniatskii, V. P. Radiush. Elek. sta. 34 no. 1:21-25 Ja '63.
Large hydrogenerators. V. V. Dombrovskii and others. Elek. sta. 34 no. 1:37-43 Ja '63.
Manufacture of hydrogenerators by the "Uralskoelektroaparat" factory. K. F. Kostin. Vest. elektroprom. 34 no. 3:8-13 F '63.

TURBOGENERATORS—COOLING

- Hydrogen cooling of Soviet turbogenerators. B. I. A. Pechenik. Energ. stroi. no. 30:23-33 '62.

TURBOGENERATORS—TESTING

- Tests in the preventive maintenance of rotor winding insulation of hydrogenerator rotors using a stepped-up voltage. B. I. Kozlyev, V. L. Shargorodskii. Elek. sta. 34 no. 1:83-84 Ja '63.

TURBOGENERATORS—WINDINGS

- Improved binding of the stator windings of a hydrogenator. Kh. P. Fernandes. Elek. sta. 33 no. 12:76-78 D '62.
Manevich, R. M. [Location of short-circuits in the turns of rotating turbogenerator rotors] Obnaruzhenie vitykh zamykanii v obmotkakh vrashchayushchikhsl rotorov turbogeneratorov. Leningrad, 1962. 13 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen perezodovym opytom. Seriya: Pribory i elementy avtomatiki, no. 9)

TURBOMACHINES

- Concerning a certain method for determining the main critical angular velocity of the rotors of turbomachines. M. P. Iushkov. Izv. vys. ucheb. zav. energ. 6 no. 1: 64-69 Ja '63.

TURBULENCE

- Exchange intensity in the case of a flow about a broken surface. V. K. Migal. Izv. AN SSSR, Old. tekhn. nauk. Mekh. i mashinostr. no. 1:124-126 Ja-F '63.
On the statistical theory of turbulence in a plasma. I. U. L. Klimontovich. PMTF no. 1:14-23 Ja-F '63.
Some problems of turbulent diffusion. O. A. Drozdov. Trudy GGO no. 133:138-179 '62.
Statistical theory of homogeneous isotropic turbulence in a relativistic plasma. I. U. L. Klimontovich. Dokl. AN SSSR 147 no. 5:1063-1066 D '62.

TURGENEV, IVAN SERGEEVICH, 1818-1883

- Role of dialogue in the composition of I. S. Turgenev's novel "Fathers and sons." V. M. Markovich. Izv. AN Kazakh SSR. Ser. filol. i isk. no. 3:56-65 '62.

TURKEY—ECONOMIC CONDITIONS

- Maintaining the former antinational policy. M. G. Sakov. Az. i Afr. seg. no. 3:11-13 Mr '63.

TURKEY—FOREIGN ECONOMIC RELATIONS—GERMANY

- "History of the penetration of German imperialism into Turkey from the late 19th century to 1914" by M. G. Orudzhev. Reviewed by M. S. Lazarev, A. S. Avetian. Nar. Az. i Afr. no. 1:211-212 '63.

TURKEY—RAILROADS—CONSTRUCTION

- The Turkey-Iran railroad. Transp. stroi. 12 no. 7:58-59 Ji '62.

TURKEY—RELATIONS (MILITARY) WITH FOREIGN COUNTRIES

- Maintaining the former antinational policy. M. G. Sakov. Az. i Afr. seg. no. 3:11-13 Mr '63.

TURKEYS—DISEASES AND PESTS

- Pathomorphological changes in the crop of turkeys in thrush. A. Starchev. Sbor. stud. nauch. i issl. rab. VSKH 1 no. 1:161-164 '62.

TURKIC INSCRIPTIONS see Inscriptions, Turkic

TURKIC LANGUAGES—GRAMMAR, COMPARATIVE

- Baskakov, N. A. [Introduction to the study of Turkic languages] Vvedenie v izucheniye turkikh iazykov. Moskva, Vysshaya shkola, 1962. 331 p.
[Modern and ancient Yenisei] Sovremennaya i drevnaya Eniseika. [By] I. A. Batmanov i dr. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 248 p.

TURKIC POETRY

- Poetry of the Orkhon-Yenisey Turkis [with summary in English, p. 261]. I. V. Stebleva. Nar. Az. i Afr. no. 1: 148-161 '63.

TURKMEN see subdivision under Khiva Oasis

TURKMEN MANUSCRIPTS see Manuscripts, Turkmen

TURKMEN POETRY—HISTORY AND CRITICISM

- On a certain manuscript. Kh. Kerogly. Trudy Inst. lit. AN Turk. SSR no. 5:192-199 '61.

TURKMENISTAN—ALFALFA—VARIETIES

- New improved common alfalfa varieties in southern Turkmenistan. R. V. Duzheva. Trudy Iol. sel. sta. 1:141-144 '61.

TURKMENISTAN—ARCHIVES

- Archival materials of Turkmenistan in the service of the building of communism. G. G. Melikov. Vop. arkh. 7 no. 3:51-56 Ji-S '62.

TURKMENISTAN—BIRDS

- Materials on the distribution of some birds of Turkmenia. V. E. Flint, I. U. D. Chugunov. Ornitologiya no. 5:175-176 '62.

TURKMENISTAN—COTTON—FERTILIZERS AND MANURES

- Characteristics of the growth and development of Soviet fine-fiber cotton as related to the conditions of mineral nutrition. G. A. Duzhev. Trudy Iol. sel. sta. 1:52-71 '61.

TURKMENISTAN—COTTON—VARIETIES

- Preliminary evaluation of technological properties of the fiber of new cotton varieties. V. R. Abramova. Trudy Iol. sel. sta. 1:122-129 '61.

TURKMENISTAN—COTTON BREEDING

- Effect of preliminary grafting on the development of interspecific cotton hybrids. D. B. Babayev. Trudy Iol. sel. sta. 1:100-121 '61.

TURKMENISTAN—COTTON GROWING

- Effect of growing conditions on the technological properties of the fiber of fine-fiber cotton. V. R. Abramova. Trudy Iol. sel. sta. 1:130-140 '61.
Effect of tillage and fertilizing on sod and turned sod on the development and productivity of cotton. G. A. Duzhev. Trudy Iol. sel. sta. 1:72-85 '61.

TURKMENISTAN—DODDER

- Results of testing poisonous chemicals in the control of dodder. O. I. Govorkova. Trudy Iol. sel. sta. 1:149-155 '61.

TURKMENISTAN—GEOLOGY, STRATIGRAPHIC

- Markova, L. P. [Stratigraphy of Pliocene sediments in the oil regions of western Turkmenia] Stratigrafia plioatsenovykh otlozhenii neflianykh raionov Zapadnoi Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmen-skoi SSR, 1962. 110 p.

TURKMENISTAN—HYBRID CORN

- Comparative investigation of double cross hybrid corn. I. A. Orasov. Trudy Iol. sel. sta. 1:145-148 '61.

TURKMENISTAN—LAMELLIBRANCHIATA, FOSSIL

- About a Lower Cretaceous Lithkovitrigonia from western Turkmenia [with summary in English]. V. A. Prozorovskii. Vest. LGU 17 no. 24:143-145 '62.
Two species of Upper Jurassic Trigonidae from western Turkmenia [with summary in English]. B. G. Piriatinskii. Vest. LGU 17 no. 24:146-148 '62.

TURKMENISTAN—LANDSCAPE GARDENING

- Akademika nauk Turkmeniskoi SSR, Ashkhabad. Botanicheskii sad. [Decorative plants for landscape gardening in Turkmenistan] Dekorativnye rasteniya dlia ozeleneniya Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmen-skoi SSR, 1962. 248 p.

TURKMENISTAN—PLANTS, ORNAMENTAL

- Akademika nauk Turkmeniskoi SSR, Ashkhabad. Botanicheskii sad. [Decorative plants for landscape gardening in Turkmenistan] Dekorativnye rasteniya dlia ozeleneniya Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmen-skoi SSR, 1962. 248 p.

TURKMENISTAN—RELATIONS (GENERAL) WITH UZBEKISTAN

- Fraternal cooperation between Uzbekistan and Turkmenistan. D. Rudzienskii. Komm. Uz. 34 no. 12:25-32 D '62.

TURKMENISTAN—REPTILES

- Bogdanov, O. P. [Reptiles of Turkmenistan] Prasmykalushchiesia Turkmenii. Ashkhabad, Izd-vo Akad. nauk Turkmeniskoi SSR, 1962. 233 p.

TURNING

- Breaking chips in turning viscous metals. V. N. Baranov and others. Stan. i instr. 34 no. 1:14-16 Ja '63.
Bykov, P. B., and L. D. Khankin. [Reducing auxiliary time in machining on lathes] Sokrashchenie vspomogatel'nogo vremeni pri rabote na tokarnykh stankakh. 2. izd., dop. i perer. Moskva, Mashgiz, 1962. 254 p.

TURNING—PRODUCTION STANDARDS

- Application of linear programming in establishing work norms. M. Zaichik. Sot. trud 8 no. 1:79-88 Ja '63.

TURNING—SAFETY MEASURES see subdivision under Sverdlovsk

TURPENTINE

- Determination of turpentine in waste waters. I. U. Lur'e, V. A. Panova. Zav. lab. 29 no. 1:33-35 '63.
Determining sulfurous compounds in sulfate turpentine. G. F. Prokshin. Izv. vys. ucheb. zav. i les. zhur. 5 no. 5:161-167 '62.

TURPENTINING

- Importance of the location for the application of sulfuric acid on the streak surface. A. I. Kalinich, P. P. Rasnitsin. Gidroliz. i lesokh. prom. 16 no. 1:25 '63.

- Shitskii, V. P., and I. M. Gurvich. [Biological foundations and technology of tree tapping] Biologicheskie osnovy i tekhnologiya podsochki. Moskva, Goslesbunizdat, 1961. 251 p.

(DNAL)

TUVA A, S, S, R.—BIRDS

- Ornithofauna of Tuva. V. E. Flint. Ornitologiya no. 5: 144-146 '62.

TUVA A, S, S, R.—DUNITES

- Dunites of eastern Tuva and mineral formations associated with it. V. P. Ereemeev. Trudy IGEM no. 77:91-114 '62.

2, 4-D

- Interrelation between the chemical structure and physiological activity of compounds of the 2, 4-D type. I. A. N. Ivashchenko, S. D. Moshchitskii. Nauch. trudy Ukr. nauch. i issl. inst. fiziol. rast. no. 23:205-210 '62.

TYCHYNA, PAVLO HRYHOROVYCH, 1801-

- Living the same life as the people. N. Rozhdetsvenskii. V mire knig 2 no. 10:22 O '62.

TYMPANAL ORGAN—SURGERY

- Audiometric study of subjective murmurs in the ear before and after intervention on the stapes [with summary in English]. A. I. Tsyganov. Zhur. uzh. i nos. i gorl. bol. 22 no. 4:37-43 Ji-Ag '62.

- Immediate results of a stapes mobilization operation in fractures of its crura in otosclerosis [with summary in English]. E. A. Evdoshchenko. Zhur. uzh. i nos. i gorl. bol. 22 no. 4:29-33 Ji-Ag '62.

- Methods to prevent reflexion of the stapes [with summary in English]. N. A. Preobrazhenskii. Zhur. uzh. i nos. i gorl. bol. 22 no. 4:34-36 Ji-Ag '62.

- Prospect of improving hearing by disconnecting the incus and stapes articulation [with summary in English]. I. L. Zaritskaia. Zhur. uzh. i nos. i gorl. bol. 22 no. 4: 25-29 Ji-Ag '62.

TYPHOID FEVER

- (see also subdivision under Uzbekistan)

- "Antibiotic therapy of typhoid and paratyphoid fever with levomycetin and synthomycin" by S. E. Shapiro, A. K. Plotovich. Reviewed by I. P. Galushkin. Sov. med. 26 no. 12:124-125 D '62.

- Cobalt fluctuations in the blood serum in typhoid and paratyphoid diseases. I. G. Mukhammedova. Nauch. trudy uzh. i prak. vrach. Uzb. no. 3:121-126 '62.

- Copper metabolism in the organism of typhoid and paratyphoid patients. R. D. Tsoi. Nauch. trudy uzh. i prak. vrach. Uzb. no. 3:106-115 '62.

- Fluctuations of the iron level in the blood serum of typhoid and paratyphoid patients: a preliminary report. I. Tokhtayeva. Nauch. trudy uzh. i prak. vrach. Uzb. no. 3:127-133 '62.

- Interrelation between copper fluctuations and the dynamics of protein fractions in the blood of typhoid and paratyphoid patients. R. D. Tsoi. Nauch. trudy uzh. i prak. vrach. Uzb. no. 3:110-120 '62.

- Method of obtaining coprocultures in the diagnosis of abdominal typhus. M. L. Kuz'minova and others. Nauch. trudy uzh. i prak. vrach. Uzb. no. 3:140-144 '62.

- Study of the variability of typhoid fever bacteriophage [with summary in English]. K. N. Kondrat'ev. Trudy TomNIIVS 11:114-117 '60.

- Treatment of typhoid and paratyphoid patients by blood transfusion in conjunction with levomycetin. I. K. Musaboev, G. K. Khamidov. Nauch. trudy uzh. i prak. vrach. Uzb. no. 3:145-150 '62.

TYPHOID FEVER—PREVENTIVE INOCULATION

- Permeability factor and hyaluronic acid in the phenomena of infection and immunity. Report no. 2: The permeability factor and hyaluronic acid in an experimental immunology model [with summary in English]. M. I. Afaverdian. Trudy TomNIIVS 11:194-206 '60.

THYPHUS FEVER

- Clinical and epidemiological characteristics of typhus fever. G. M. Pastukhova. Sbor. rab. Sverd. med. inst. no. 32:133-136 '61.

- Experience in antibiotic treatment of typhus fever. G. M. Pastukhova. Sbor. rab. Sverd. med. inst. no. 32:139-141 '61.

- Figurbina, M. M. [Typhus fever] Synopt. tif. Leningrad, Medgiz, 1962. 10 p. (Nauchno-populiarnai meditsinskai literatura) (DNLM)

- Rare case of thrombosis of the abdominal aorta as a complication of typhus fever. G. M. Pastukhova. Sbor. rab. Sverd. med. inst. no. 32:136-139 '61.

- Spectral determination of copper content in the blood of some patients with infectious diseases. V. A. Gladkov, I. U. L. Vechelkovskii. Sbor. rab. Sverd. med. inst. no. 32:122-126 '61.

TYROSINASE

Effect of irradiation on the activity of tyrosinase in the skin of mice and rats. E. A. Ivanikala, A. M. Kuzin. Radiobiologiya 3 no. 1:17-20 '63.

TYROSINE

Biological action of free radicals obtained from the anodic oxidation of tyrosine. N. A. Klipson, T. G. Mamadov. Radiobiologiya 3 no. 1:146-147 '63.

Determination of mucoprotein (by its tyrosin) in rheumatic fever patients [with summary in English]. L. I. Morozova. Vrach, delo no. 11:34-39 N '62.

TYUKALNSK DISTRICT—CATTLE

Obligations will be fulfilled. I. G. Medvedev. Veterinarizatsiya 37 no. 11:24-27 N '60.

TYUL'KUBAS—LIME INDUSTRY—COSTS

Instead of expected cost reduction... V. Chernievskii, A. Stepkin. Nar. khoz. Kazakh. 20 no. 11:75 N '62.

TYUMEN' PROVINCE—NEWSPAPER AND PERIODICAL CIRCULATION

They forgot something very important. N. Terekhova. Raspr. pech. no. 1:18-19 Ja '63.

UDDER—DISEASES

Comparative evaluation of the effectiveness of some medicinal substances in treating smallpox of the udder in cows. V. Sokolov. Sbor. stud. nauch. -issl. rab. VSKH 1 no. 1:197-198 '62.

Intravenous injection of a novocaine-penicillin solution against mastitis. V. M. Voskoboinikov. Veterinarizatsiya 38 no. 10:50-60 O '61.

Measures for controlling mastitis in cows. V. I. Mutovin. Veterinarizatsiya 37 no. 7:49-56 Ji '60.

UDMURT A. S. S. R.—AIRPLANES—MODELS

Izhevsk is a station of young technicians. V. Fetser. Kryl. rod. 13 no. 7:10 Ji '62.

UDMURT A. S. S. R.—SUGAR BEETS

Bashmakov, B. A. [Sugar beets for the fields of Udmurtia] Sakharinulu evoklu - na polia Udmurtii. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1961. 17 p. (DNAL)

UFA—APARTMENT HOUSES

Our experience in the assembly of large-panel apartment houses. P. Kh. Lunev. Transp. stroit. 12 no. 9:5-6 S '62.

UFA REGION—GEOLOGY, STRATIGRAPHIC

On the Ordovician and Silurian stratigraphy of the Ufa Cirque. G. A. Smirnov and others. Dokl. AN SSSR 149 no. 1:176-178 Ja '63.

UIGUR LANGUAGE—DIALECTS

see subdivision under Alma-Ata Province

UIGUR LITERATURE—HISTORY AND CRITICISM

Remarks on Soviet Uigur literature of the 1920's and 1930's. M. K. Khamraev. Izv. AN Kazakh. SSR, Ser. filol. i isk. no. 3:18-24 '62.

UKRAINE

Zendyk, Roslyslav. [Message to my brothers] Slovo do brat'iv. Munch [Nakl. avtora] 1956. 101 p. (bu)

"V. I. Lenin on the Ukraine" by V. P. Titarenko. Reviewed by V. Liventsov. Nar. Ivorch. ta etn. 6 no. 3: 137-139 Ji-S '62.

UKRAINE—AGRICULTURAL MACHINERY

Improving the supply of materials and machinery in agriculture. P. Kapusta. Mekh. sil'. hosp. 13 no. 12: 13-15 D '62.

UKRAINE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

More attention to maintaining agricultural machinery. A. I. Petrenko. Mekh. sil'. hosp. 13 no. 12:12-13 D '62.

UKRAINE—AGRICULTURE

Being wise in Lenin's way! Mekh. sil'. hosp. 13 no. 12: 1-2 D '62.

Mykhalova, A. H., and S. D. Lysohorov. [Farming systems] Systemy zemlerobstva. Kyiv, Dorzhnol'ho-spydav URSSR, 1962. 77 p. (DNAL)

Some problems in the development of Ukrainian agriculture from 1935 to 1941. M. T. Kuts. Z. ist. URSSR no. 6:7:105-100 '62.

Vital problems facing our rural toilers. Komm. Ukr. 37 no. 6:7-14 My '62.

UKRAINE—AMATEUR ART ACTIVITIES

The Ukraine has started a review of amateur art activities. Sots. kul't. no. 2:28 F '63.

UKRAINE—AMATEUR THEATRICALS

Kazimirov, O. A. [Theater is born of life] Teatr narodzhenniy zhytiam. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 40 p. (Vcheni Ukrainy - universytetam kul'tury)

UKRAINE—ARBITRATION AND AWARD

Decisions of arbitration agencies. Rad. pravo no. 1:135-136 Ja-F '63.

Decisions of arbitration agencies. Rad. pravo no. 5: 134-136 S-O '62.

UKRAINE—ARCHIVES

Conference of Ukrainian archivists. B. V. Gordienko. Vop. arkh. 7 no. 3:81-86 Ji-S '62.

UKRAINE—ARMENIANS

Dashkevich, I. A. R. [Armenian colonies in the Ukraine in the historical sources and literature of the 15th-19th centuries] Armianskie kolonii na Ukrainie v istochnikakh i literature XV-XIX vekov; istorio-graficheskiy ocherk. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 175 p.

UKRAINE—ATHEISM

Interprovince conferences. M. Troianova. Kyi. Voiev. atelst 3 no. 2:32-33 F '63.

The "sections of scientific atheism." Voiev. atelst 3 no. 2:2-4 F '63.

UKRAINE—AUXILIARY POLICE

How our voluntary policemen maintain law and order. V. Patsulla, O. Mishchenko, O. Teslenko. Rad. pravo no. 1:36-45 Ja-F '63.

UKRAINE—BAR ASSOCIATIONS

Brief news. Rad. pravo no. 1:152-155 Ja-F '63.

UKRAINE—BROAD BEAN

Pshenychnyi, N. I. [Growing forage beans in the Ukraine] Vyroschuvannya kormovykh bobiv na Ukraini. Kyiv, Tovarystvo dlia poshyrennia polit. i naukovykh znan' URSSR, 1962. 35 p.

UKRAINE—BUILDING, BRICK

Features of building techniques of the seventeenth and eighteenth centuries in the Ukraine [with summary in English, p. 70]. M. P. Tsapenko. Vianyky ABIA URSSR no. 3:53-55 '62.

UKRAINE—CANNING AND PRESERVING

Ukraine. Ministerstvo torgovli. [Processing and storing fruit and vegetables; collection of technological instructions, recipes, and production norms] Pererabotka i khranenie plodiv i ovoshchei; sbornik tekhnologicheskikh instruktsii, retseptur i proizvodstvennykh normativov. 3., dop. i perer. Izd. Kiev, Gos. izd-vo tekhn. lit-ry URSSR, 1962. 201 p.

UKRAINE—CARVING (ART INDUSTRIES)

[Ukrainian folk art; carving and art metal] Ukrain's'ke narodne mystetstvo; riz'blennia ta khudozhami metal. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, URSSR, 1962. 227 p. [Parallel texts in Ukrainian and Russian]

UKRAINE—CATHOLIC CHURCH (BYZANTINE RITES)

Nazarko, Irynei I. [The Metropolitans of Kiev and Galich, 1690-1900; biographical sketches] Kyivs'ki i Galys'ki Mytropolyty; biografichni narysy, 1690-1900. Rome, OO. Vasyliany, 1962. 271 p. (Zapysky ChSVV. Seriya II. Sotsialna i Pratsi. Vol. 13)

UKRAINE—CENTAUREA

Physiological and biochemical evaluation of promising methods for controlling Acropiton plicatus (Pall) Fisch et Mey. G. I. Tarshis. Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast. no. 23:157-172 '62.

UKRAINE—CHERT—ANALYSIS

Change in the composition of ferruginous cherts during their disintegration by high-frequency currents. H. H. Bura, H. K. Viktor, E. I. Arsh. Geol. zhur. 22 no. 6: 23-32 '62.

UKRAINE—CITY PLANNING—RESEARCH

In the City Planning Research Institute of the Academy of Construction and Architecture of the Ukrainian S. S. R. Bui. stroit. tekhn. 20 no. 2:34 F '63.

UKRAINE—CIVIL LAW

Brief news. Rad. pravo no. 5:144-147 S-O '62.

UKRAINE—COAL MINES AND MINING

Ukrainian conference on overall mechanization and automation of production processes. G. F. Lubenko. Shkht. stroit. 7 no. 1:32 Ja '63.

UKRAINE—COAL MINES AND MINING—SAFETY REGULATIONS

In the State Mine Inspection of the Ukrainian S. S. R. Bezop. truda v prom. 6 no. 11:39 N '62.

UKRAINE—COLLECTIVE FARMS—INTERFARM CO-OPERATION

Improve accounting by interfarm building organizations. P. Halitayn. Sil'. bud. 13 no. 2:9-10 F '63.

UKRAINE—COLLECTIVE FARMS—MANAGEMENT

"Use land in a businesslike way" by G. I. Tkachuk. Reviewed by V. Borisov. Ekon. sel'khoz. 34 no. 2:123-120 F '63.

UKRAINE—COMMERCE

Noncontractual relations between the wholesale and retail trade. V. Litvinenko and others. Sov. torg. 36 no. 1:33-37 Ja '63.

UKRAINE—COMMUNITY CENTERS

The activist is not a guest at the club. K. Shishkov. Sov. profsoyuzy 18 no. 3:18-19 F '63.

Good example. Sots. kul't. no. 2:1-2 F '63.

UKRAINE—CONSTITUTION

Taranov, A. P. [Basic principles of the Constitution of the Ukrainian S. S. R.] Osnovni pryntsypy Konstytutsii Ukrainy'koi RSR. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 152 p.

UKRAINE—CONSTRUCTION INDUSTRY

[Heroic deeds of 5000 young construction workers] Podvigh p'iaty tyslach. [By] V. Baklanov ta inshi. Kyiv, Vyd-vo "Mokul", 1961. 106 p.

Improve the organization of industrial construction in the Ukraine. V. Terent'ev. Stroi. i arkhitekt. 10 no. 2:1-4 F '62.

UKRAINE—CONSTRUCTION INDUSTRY—ACCOUNTING

Improve accounting by interfarm building organizations. P. Halitayn. Sil'. bud. 13 no. 2:9-10 F '63.

UKRAINE—CORRESPONDENCE SCHOOLS AND COURSES

Instruction in correspondence schools is expanding. K. P. Kapshukov. Vech. sred. shkola 5 no. 6:12-14 N-D '62.

UKRAINE—CREDIT

Increase control over secured credit. I. Bel'tsov. Den. i kred. 21 no. 1:59-61 Ja '63.

UKRAINE—CRIMINAL JUSTICE, ADMINISTRATION OF

Decisions of the Supreme Court of the Ukrainian S. S. R. Rad. pravo no. 1:124-134 Ja-F '63.

We should strengthen our control over the administration of criminal justice. F. Lifukh. Rad. pravo no. 1:3-6 Ja-F '63.

UKRAINE—CULTURE

Brief news. Mystetstvo 9 no. 6:38-40, 3 of cover N-D '62.

UKRAINE—DANCING

Marchenko, Petro. ["Hahilky" (Ukrainian round dance) in a choreographic staging by Olenka Gerdan-Zaklyns's'ka] Hahilky v khoreografichnii inscenizatsii Olenki Gerdan-Zaklyns'koi. New York, 1963. 56 p.

UKRAINE—DISTILLING, ILLICIT

Current plenary session of the Supreme Court of the Ukrainian S. S. R. T. Ievsilenko, O. Kukhar. Rad. pravo no. 5:61-65 S-O '62.

UKRAINE—EDUCATION, HIGHER

"Institutions of higher learning of the Ukrainian S. S. R. during the reorganization period" by V. Pitov. Reviewed by N. I. Mokhov, A. G. Miliukov. Vest. vys. shkoly 21 no. 1:91-92 Ja '63.

Progress in carrying out the resolution of the Presidium of the Academy of Sciences of the Ukrainian S. S. R.: "Synchronizing the organization of research work and the training of workers with the institutes of higher education of the Ukrainian S. S. R." Dop. AN URSSR no. 12:1639-1640 '62.

UKRAINE—ELECTION LAW

Ukraine. Laws, statutes, etc. [Statute on elections to province, district, city, village, and settlement soviets of workers' deputies in the Ukrainian S. S. R. with amendments introduced by decree of the Presidium of the Supreme Soviet of the Ukrainian S. S. R., January 11, 1963] Poloshennia pro vybory do oblasnykh, raionnykh, mis'kykh, sit's'kykh i selyschynnykh Rad deputativ trudiaschychkh Ukrainy'koi RSR. Iz zminamy i dopovnen-niamy, vnesenyimy Ukazom Presydyi Verkhovnoi Rady Ukrainy'koi RSR vyd 11 sichnia 1963 roku. Kyiv, Derzh-politvydav URSSR, 1963. 30 p.

UKRAINE—ENSEMBLES (MUSIC)

Visiting our Japanese friends. K. Vasilenko. Sots. kul't. no. 2:23 F '63.

UKRAINE—FARM MECHANIZATION

Over-all mechanization is the best way to increase the productivity of labor on Soviet farms. M. Voronkevych, L. Hamalaha, V. Kotellanets. Komm. Ukr. 37 no. 5: 84-87 My '62.

UKRAINE—FIELD CROPS

Utilize the riches of the Ukrainian arid steppe. G. Revia-khin. Ekon. sel'khoz. 34 no. 2:83-88 F '63.

UKRAINE—FORAMINIFERA, FOSSIL

New species of Upper Cretaceous foraminifers in the Konkasko-Yalyneka trough and Black Sea region. L. F. Plotnykova. Geol. zhur. 22 no. 6:46-58 '62.

UKRAINE—FOREIGN ECONOMIC RELATIONS—COMMUNIST COUNTRIES

Kulnych, I. M., and I. A. Peters. [Economic cooperation between the Ukrainian S. S. R. and socialist countries] Ekonomichne spivrobitnytstvo Ukrainy'koi RSR z kraina-my sotsializmu. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 54 p.

UKRAINE—FOREST MANAGEMENT

Use effectively every hectare of the land of the state forest reserve. A. G. Soldatov. Les. khoz. 15 no. 8: 63-70 S '62.

UKRAINE—FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES

New implements for afforestation on sandy soils. A. N. Nedashkovskii, V. E. Ivanitskii. Les. khoz. 15 no. 9: 74-75 S '62.

UKRAINE—FOUNDING

Present status and future development of the mechanization and automation of founding operations in the Ukraine. S. N. Mylko. Mashinostroenie no. 6:51-53 N-D '62.

UKRAINE—FRUIT—STORAGE

Ukraine. Ministerstvo trgovli. [Processing and storing fruit and vegetables; collection of technological instructions, recipes, and production norms] Pererabotka i khranenie plodov i ovoshchei; sbornik tekhnologicheskikh instruktsii, retseptur i proizvodstvennykh normativov. 3., dop. i perer. izd. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1962. 201 p.

UKRAINE—HISTORY

"Late history of the Zaporogian Host, 1734-1775" by V. O. Holobuts'kyi. Reviewed by V. A. Diadichenko. Vop. ist. 38 no. 2:148-150 F '63.

Vynar, Lubomyr. [Andrii Volynarova'skyi; a historical study] Andrii Volynarova'skyi; istorychnyi narys. Vstupna stattia Oleksandra Ohloblyna. Munich, Vyd-vo "Dniprova khvylya," 1962. 127 p.

UKRAINE—HISTORY—SOURCES

Conference of Ukrainian archivists. B. V. Gordienko. Vop. arkh. 7 no. 3:81-86 J1-S '62.

Scholarly research and publications of the historians and archivists of the Ukrainian S. S. R. I. L. Butych. Vop. arkh. 7 no. 3:32-38 J1-S '62.

UKRAINE—HISTORY, MILITARY

Military expeditions of the Ukrainian Cossacks against the Crimean Khanate in the late 17th century. H. IA. Serhilenko. Z. ist. USSR no. 8:7:21-35 '62.

UKRAINE—HOLIDAYS

Celebration of Soviet holidays is an effective form of fighting against remnants of religion. I. I. Brazhnyk. Nar. tvorch. ta etn. 6 no. 3:25-34 J1-S '62.

UKRAINE—HOSPITAL CARE

Developing and perfecting hospital medical aid in the Ukrainian S. S. R. P. L. Shupfk. Vrach. delo no. 1: 3-12 Ja '63.

UKRAINE—INDUSTRIAL PLANTS

Improve the organization of industrial construction in the Ukraine. V. Terent'ev. Stroi. i arkh. 10 no. 2:1-4 F '62.

UKRAINE—INDUSTRIAL PROCUREMENT

Verified by time. B. Bezuglyi. Fin. SSSR 37 no. 1:72-73 Ja '63.

UKRAINE—INDUSTRIES

For a further improvement of the work on the complete mechanization and automation of production processes in the light industry of the Ukraine. M. M. Ivanov. Leh. prom. no. 3:3-5 Je-Ag '62.

UKRAINE—INSECTS

Huslev, V. I., and others. [Atlas of insects of the Ukraine] Atlas komakh Ukrainy. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radiants'ka shkola," 1962. 222 p. plates.

UKRAINE—INVENTIONS

Contribution of our inventors and efficiency experts to the industrial development of the Ukrainian S. S. R. F. Rjabokin. Komm. Ukr. 37 no. 5:93-96 My '62.

UKRAINE—JUSTICE, ADMINISTRATION OF

Committees of people's assessors. A. Rozhkov, F. Zhuhina, M. Pavlyshynets. Rad. pravo no. 5:40-44 S-O '62.

UKRAINE—LABOR AND LABORING CLASSES

Demchenko, M. V. [Workers' and peasants' movement in the Ukraine during the period of the Stolypin reaction, 1907-1910] Robitnychyi i selians'kyi rukh na Ukraini v period stolypins'koi reaktsii, 1907-1910 rr. [Kyiv] 1959. 69 p. (CSt-H)

Los', F. IE. [The working class in the Ukraine from 1907 to 1913] Robitnychyi klas Ukrainy v 1907-1913 rokakh. Kyiv, Vyd-vo Akad. nauk USSR, 1962. 194 p.

UKRAINE—LABOR COURTS

The councils of fellow workers' courts. M. Zakharov, L. Zaitseva. Rad. pravo no. 1:40-53 Ja-F '63.

UKRAINE—LABOR DISCIPLINE

How the Soviet public struggles for the tightening of labor discipline. V. Khmelivska. Rad. pravo no. 1:46-49 Ja-F '63.

UKRAINE—LAW

Legal research in the institutions of higher education. Rad. pravo no. 5:101-113 S-O '62.

Recent legislative enactments. Rad. pravo no. 1:137-141 Ja-F '63.

UKRAINE—LAW—CASES

Decisions of the Supreme Court of the Ukrainian S. S. R. Rad. pravo no. 1:124-134 Ja-F '63.

Decisions of the Supreme Court of the Ukrainian S. S. R. Rad. pravo no. 5:120-133 S-O '62.

UKRAINE—LIGHTWEIGHT CONCRETE

Use of expanded perlite and efficient elements made of it at construction projects in the Ukraine. A. V. Zhukov, E. M. Titiner. Stroi. mat. 9 no. 2:1-4 F '63.

UKRAINE—MAPS

"Atlas of the Ukrainian S. S. R. and the Moldavian S. S. R." Reviewed by I. N. Guseva, I. I. Kurbatkaia. Izv. AN SSSR. Ser. geog. no. 1:141-144 Ja-F '63.

UKRAINE—MILKING MACHINES

Adapting revolving milking parlors on dairy farms. L. Bogovyyk, I. U. Koshyts', A. Lebid'. Shi. bud. 13 no. 2:6-7 F '63.

UKRAINE—MINE HAULAGE—SAFETY MEASURES

Labor safety in underground transportation in Ukrainian coal mines. V. M. Bondarenko. Bezop. truda v prom. 7 no. 1:11-13 Ja '63.

UKRAINE—MINE INSPECTION

In the State Mine Inspection of the Ukrainian S. S. R. Bezop. truda v prom. 7 no. 1:38-39 Ja '63.

UKRAINE—MOTION-PICTURE PLAYS

Creating unity. Mykola Makarenko. Mystetstvo 9 no. 6:13-15 N-D '62.

The great potentialities of short films. Borys Kryzhanivskyi. Mystetstvo 9 no. 6:9-11 N-D '62.

In the Central Committee of the Communist Party of the Ukraine. Mystetstvo 9 no. 6:4 N-D '62.

On new frontiers. Tymofii Levchuk. Mystetstvo 9 no. 6:5-8 N-D '62.

UKRAINE—MOTION-PICTURE PROJECTION

The rays of our "searchlight." Sots. kul't. no. 2:45 F '63.

UKRAINE—MOTION PICTURES, ANTIRELIGIOUS

Enlightenment. Valentyn Rechmedin. Mystetstvo 9 no. 6:16-17 N-D '62.

UKRAINE—MOTION PICTURES IN EDUCATION

The ice has started to float... N. Kapel'gorodskaya. Isk. kino 33 no. 1:151-152 '63.

UKRAINE—PEASANTRY

Demchenko, M. V. [Workers' and peasants' movement in the Ukraine during the period of the Stolypin reaction, 1907-1910] Robitnychyi i selians'kyi rukh na Ukraini v period stolypins'koi reaktsii, 1907-1910 rr. [Kyiv] 1959. 69 p. (CSt-H)

UKRAINE—PIONEERS (COMMUNIST YOUTH)

Bezuhlyi, A. M., and others. [How the Pioneers work for the motherland] Pionery - Bat'kivshchyni. Kyiv, Molod', 1962. 94 p.

[Young Leninists: forty years of the V. I. Lenin Pioneer Organization] 40 li Leninist; sorok rokiv pionerskoi organizatsii imeni V. I. Lenina. Kyiv, Radiants'ka shkola, 1962. 434 p.

UKRAINE—PLANT PHYSIOLOGY

Fifteenth anniversary of the Ukrainian Scientific Research Institute of Plant Physiology. P. A. Vlaschuk. Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast. no. 23: 6-33 '62.

UKRAINE—PLANT PHYSIOLOGY—PERIODICALS

Short survey of the nos. 1-4 of the "Bulletin po fiziolohii rastenii." V. A. Kapitanchuk. Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast. no. 23:211-213 '62.

UKRAINE—POLITICS AND GOVERNMENT

Brief reviews of books. Rad. pravo no. 5:153-157 S-O '62.

History of the public inspection of governmental agencies in the Ukraine. L. Malmeskulov. Rad. pravo no. 1:20-35 Ja-F '63.

UKRAINE—POPLAR

Poplar stands in the floodlands of small rivers of the Ukraine. M. T. Ganzha. Izv. vya. ucheb. zav. i les. zhur. 5 no. 5:50-54 '62.

UKRAINE—POTTERY

Life dedicated to art. V. Babit. Meest. prom. i khud. promys. 3 no. 1:30 Ja '63.

UKRAINE—POULTRY HOUSES AND EQUIPMENT

Automatic control of the lighting system in poultry houses. A. A. Popov, L. S. Fed'. Mekh. sil. hosp. 13 no. 12:25 D '62.

UKRAINE—PRISONS

Current plenary session of the Supreme Court of the Ukrainian S. S. R. T. Ievsilenko, O. Kukhar. Rad. pravo no. 5:61-65 S-O '62.

UKRAINE—PROSPECTING

Improvement of geological investigations in the Academy of Sciences of the Ukrainian S. S. R. in order to increase the efficiency of prospecting in the Ukraine. Geol. zhur. 22 no. 8:3-9 '62.

UKRAINE—PUBLIC PROSECUTORS

The training of young prosecutors and investigators should contribute to the solution of our new problems. I. Korchak. Rad. pravo no. 1:18-21 Ja-F '63.

UKRAINE—PUPPETS AND PUPPET PLAYS

Folk puppet theater of the Nativity in the Soviet period. M. I. Gritsai. Nar. tvorch. ta etn. 6 no. 3:106-110 J1-S '62.

Ukrainian puppet show. M. Hrytsai. Voioy, atciat 3 no. 2:56-57 F '63.

UKRAINE—RELATIONS (GENERAL) WITH POLAND

"Cooperation between the Ukrainian S. S. R. and the Polish People's Republic, 1944-1960" by I. F. Evseev. Reviewed by P. N. Ol'shanskii. Nov. i noveish. ist. no. 6:155-157 '62.

UKRAINE—RESEARCH

Progress in carrying out the resolution of the Presidium of the Academy of Sciences of the Ukrainian S. S. R.: "Synchronizing the organization of research work and the training of workers with the institutes of higher education of the Ukrainian S. S. R." Dop. AN USSR no. 12:1039-1040 '62.

UKRAINE—RESEARCH, INDUSTRIAL

Research work carried out by the Zoological Institute of the Academy of Sciences of the Ukrainian S. S. R. is made available for purposes of production. Dop. AN USSR no. 12:1038 '62.

UKRAINE—RETAIL TRADE

Let's improve the efficiency of commercial enterprises. V. Ivunitskii, D. Petrov. Sov. torg. 35 no. 9:22-24 S '62.

Planning and inventories. TS. Goral'skil. Sov. torg. 35 no. 9:10-21 S '62.

UKRAINE—REVOLUTION, 1917-1921

The Great October Socialist Revolution and the establishment of the Soviet Ukrainian state. Rad. pravo no. 5: 3-8 S-O '62.

UKRAINE—RIVERS

[Hydrologic calculations for rivers of the Ukraine] Hidrologichni rozrakhunki dlia richok Ukrainy; pry vidsutnosti sposterezhenn'. [By] P. F. Vyshneva'skyi ta inshi. Kyiv, Vyd-vo Akad. nauk USSR, 1962. 385 p.

UKRAINE—RUGS AND CARPETS

Prerevolutionary Ukrainian kilims with a floral ornament. A. K. Zhuk. Nar. tvorch. ta etn. 6 no. 3:110-117 J1-S '62.

UKRAINE—RURAL ELECTRIFICATION

Ensuring the electric power supply to rural consumers. M. M. Malakhov. Mekh. sil. hosp. 13 no. 12:16-17 D '62.

UKRAINE—RUSSIAN SOCIAL DEMOCRATIC PARTY

Lenin's "Pravda" and the intensification of the revolutionary movement in the Ukraine from 1912 to 1914. O. Oltynchenko. Komm. Ukr. 37 no. 5:41-48 My '62.

Volin, S. [Mensheviks in the Ukraine, 1917-1921] Mensheviky na Ukraini, 1917-1921. New York, 1962. 137 p. (Inter-University Project on the History of the Menshevik Movement. Paper, no. 11)

MH CSt-H

UKRAINE—SHOE MANUFACTURE

Manufacture of footwear with the hot vulcanization method in the Ukraine. V. V. Balutenko, G. V. Grigorenko. Leh. prom. no. 3:27-29 Je-Ag '62.

UKRAINE—SOCIAL CONDITIONS

Onats'kyi, Evhen. [Thirst for justice; sketches of social life] Spraha spravedlyvosti; narysy z suspil'noho zhyttia. Buenos Aires, Peremoha, 1950. 132 p. (U) (NN)

UKRAINE—SOCIAL GROUP WORK

Letters to the editor. Sots. kul't. no. 2:20-21 F '63.

Regular conferences in rural districts. Sots. kul't. no. 2:18-19 F '63.

Social group work and the communist education of Soviet workers. M. Pastukh, V. Dobrotvor. Komm. Ukr. 37 no. 5:40-57 My '62.

UKRAINE—SOCIAL LIFE AND CUSTOMS

Customary send-off to the Soviet Army. N. A. Pryvalashniuk. Nar. tvorch. ta etn. 6 no. 3:102-108 J1-S '62.

Present-day domestic customs and ceremonies. O. M. Kravets'. Nar. tvorch. ta etn. 6 no. 3:35-43 J1-S '62.

UKRAINE—SOVIETS

How the Soviet public participates in the work of the executive committees of local soviets. R. Bersheda. Rad. pravo no. 5:22-25 S-O '62.

UKRAINE—STATISTICS

[National economy of the Ukrainian S. S. R. in 1961; statistical yearbook] Narodnoe hospodarstvo Ukrainy 'kol RSR v 1961 rotsi; statychnyi shchhorichnyk. Kyiv, Derzh. stat. vyd-vo, 1962. 750 p.

UKRAINE—STEEL INDUSTRY—BY-PRODUCTS

By-products and waste products are utilized badly. V. Bragin. Fin. SSSR 37 no. 1:68-70 Ja '63.

UKRAINE—STOCK AND STOCKBREEDING

Our present-day stock-fattening yards. Ukraina no. 13:8 J1 '62.

UKRAINE—SUGAR BEET BREEDING

Polyploid sugar beets. V. P. Zosimovich. Vest. AN SSSR 33 no. 2:66-68 F '63.

UKRAINE—SUGAR BEETS

Advanced technology of growing and harvesting sugar beets in the Ukrainian S.S.R. Inform. biul. VDNKH no. 2:36 F '62.

UKRAINE—SWINE—FEEDING AND FEEDS

Theory and practice of effective expenditure of feeds in the production of pork. I. A. Danilenko. Zhivotnovodstvo 23 no. 5:23-32 My '61.

UKRAINE—TELEVISION BROADCASTING

Artynov, M., and M. Kaznevs'kyi. [Television] Telebichennia. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, URSSR, 1962. 35 p. (Biblioteka z pytan' mystetstva)

UKRAINE—THEATER

Bilotserskiy, L. H. [Notes of a prompter] Zapysky suliara. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSSR, 1962. 265 p.

Ilnai Khotkevych and the first Hucul theater. Stepan Koval'chuk. Mystetstvo 9 no. 6:33-35 N-D '62.

UKRAINE—VEGETABLES—STORAGE

Ukraine. Ministarstvo torgovli. [Processing and storing fruit and vegetables; collection of technological instructions, recipes, and production norms] Pererabotka i khranenie plodov i ovoshchei; sbornik tekhnologicheskikh instruktsii, reseptur i proizvodstvennykh normativov. 3., dop. i perer. izd. Kiev, Gos. izd-vo tekhn. lit-ry URSSR, 1962. 201 p.

UKRAINE—VIEWS

[Through Soviet Ukraine; photo report] Po rad. Ukr. no. 11 '61; nos. 5-6 '62; no. 1 '63.

UKRAINE—VITICULTURE

Zolov, V. V. [Grapes along house walls and in yards] Vinograd na stenakh domov i vo dvorakh. Izd. 4., ispr. i dop. [Odessa] Odesskoe knizhnoe izd-vo, 1960. 132 p. (DNAL)

UKRAINE—WEED CONTROL

Physiological and biochemical evaluation of promising methods for controlling Acanthopeltis (Pall.) Fisch et Mey. G. I. Tarashia. Nauch. trudy Ukr. nauch.-issl. inst. fitol. rast. no. 23:157-172 '62.

UKRAINE—WELLS

Casing bored wells with asbestos cement pipes. E. V. Bezvestniy. Gidr. i mel. 14 no. 1:45-52 Ja '63.

UKRAINE—WOMEN IN AGRICULTURE

The beacon's lights are shining far! Agitator no. 3:9 F '63.

UKRAINE—ZINC INDUSTRY

Purification of waters at the "Ukrtsink" Plant. V. E. Genkin, S. Z. Bluvshstein, A. A. Mokina. TSvet. met. 35 no. 12:29-35 D '62.

UKRAINE, WESTERN—COLLECTIVE FARMS

Ivniuta, M. I. [Outline history of collective farming in the western provinces of the Ukraine] Narysy istorii kolhospnoho budivnytstva v zakhidnykh oblastakh Ukrainy'koi RSR. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 316 p. (CSL-II)

UKRAINE, WESTERN—COMMUNIST PARTY

Publications of the Communist Party of the Western Ukraine; the publication of books and pamphlets; underground literature published by left-wing trade unions and the International Society for the Defense of Political Prisoners. I. A. R. Dashkevych. Z ist. URSSR no. 6:7:95-125 '62.

UKRAINE, WESTERN—EDUCATION, HIGHER

Reorganization and development of higher education in the western provinces of the Ukrainian S.S.R. in the early phase of Soviet rule, September 1939-June 1941. F. I. Steblii. Z ist. URSSR no. 6:7:120-141 '62.

UKRAINE, WESTERN—FOREIGN ECONOMIC RELATIONS

History of the commercial contacts of eastern Galicia with foreign countries in the first half of the 19th century. I. A. Iatskevych. Z ist. URSSR no. 6:7:40-56 '62.

UKRAINE, WESTERN—HISTORY—SOURCES

Kryp'iakevich, I. P. [Sources of Galician history in the period of feudalism (up to 1772)] Dzherela z istorii Halychyny periodu feodalizmu (do 1772 r.); ohliad publikatsii. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 82 p.

UKRAINE, WESTERN—INDUSTRIES

Restoration and development of industry in the western provinces of the Ukrainian S.S.R., 1944-1950. H. I. Koval'chuk. Z ist. URSSR no. 6:7:142-173 '62.

UKRAINE, WESTERN—NATURAL RESOURCES

Akademila nauk URSSR. Kiev. Instytut suspil'nykh nauk. [Comprehensive utilization of raw material resources in the western regions of the Ukraine] Kompleksne korystannia syrovynnykh resursiv zakhidnykh raiioniv URSSR. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 198 p.

UKRAINE, WESTERN—PEASANT UPRISINGS

Peasant unrest in eastern Galicia from 1850 to 1890. M. M. Kravets'. Z ist. URSSR no. 6:7:57-61 '62.

The uprisings of Galician peasants in the second half of the 18th century. V. V. Hrabovets'kyi. Z ist. URSSR no. 6:7:36-47 '62.

UKRAINE, WESTERN—PHYTOGEOGRAPHY

On I. S. Amelin's article "Zonal classification of the plain territories of Lvov and adjoining provinces." IE. M. Bradis. Ukr. bot. zhur. 19 no. 6:92-96 '62.

UKRAINE, WESTERN—STIGMATIZATION

A metropolitan and "Saint Nastia." F. Burlachenko. Voiev. steit 3 no. 2:45-47 F '63.

UKRAINE, WESTERN—TAXATION

Reactionary tax policy of the governmental agencies of the Austrian bourgeoisie and landed gentry in eastern Galicia in the late 18th and early 20th century. P. I. A. Syroid. Z ist. URSSR no. 6:7:82-94 '62.

UKRAINE, WESTERN—UNDERGROUND LITERATURE

Publications of the Communist Party of the Western Ukraine; the publication of books and pamphlets; underground literature published by left-wing trade unions and the International Society for the Defense of Political Prisoners. I. A. R. Dashkevych. Z ist. URSSR no. 6:7:95-125 '62.

UKRAINIAN ALMANACS see Almanacs, Ukrainian

UKRAINIAN COOKERY see Cookery, Ukrainian

UKRAINIAN ENGRAVINGS see Engravings, Ukrainian

UKRAINIAN LANGUAGE

Mizhvyziva'ka nauka konferentsiia z pytan' istorichnoho rozvytku ukrains'koi movy, Kharkov, 1958. [Papers delivered at the Interuniversity Conference on the Historical Development of the Ukrainian Language] Pratsi. Kharkiv, Vyd-vo Kharkivs'koho derzh. univ., 1962. 343 p.

UKRAINIAN LANGUAGE—DIALECTS see subdivision under Dnieper Valley; Transcarpathia

UKRAINIAN LANGUAGE—DICTIONARIES

Legal terminology of the criminal and criminal procedure codes of the Ukrainian S.S.R. A. Poleshko. Rad. pravo. no. 1:105-110 Ja-F '63.

UKRAINIAN LANGUAGE—GRAMMAR

Lovchenko, S. P., M. V. Pavlovich, and T. S. Udod. [Textbook for the study of the Ukrainian language in grades 8 to 10] Posibnyk dlia zaniat' z ukrains'koi movy v VIII-X klasakh. Kyiv, Radians'ka shkola, 1958. 203 p. (IU)

Medvedev, F. P. [Present-day Ukrainian] Suchasna ukrains'ka mova. Metodichnyi posibnyk dlia studentiv-zachnykiv filologichnykh fakul'tetiv univertsitetiv ta fakul'tetiv movy i lit-ry pedagog. in-tiv. Kharkiv, Vyd-vo Kharkivs'koho derzh. univ. im. O. M. Gor'koho, 1950. 74 p. (CaOTU)

UKRAINIAN LANGUAGE—PRONOUN

Matvilas, I. H. [Syntax of the pronoun in Ukrainian] Synaksys zaimeynykh v ukrains'kii movi. Kyiv, Akad. nauk URSSR, 1962. 120 p. (MH)

UKRAINIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Ukrainian literature

UKRAINIAN LITERATURE—HISTORY AND CRITICISM

Bilohub, I. [With the fire of Prometheus; atheistic ideas in the works of Ukrainian democratic writers] Volnem Prometeia; ateistychni idei v tvorakh ukrains'kykh pys'mennykh-demokrativ. [Luhansk] Luhansk'e oblasne vyd-vo, 1960. 98 p. (MH)

In the field of theory and criticism. E. Belavskaya. V mire knig 2 no. 10:39-40 O '62.

New frontiers; the study of Ukrainian-foreign literary ties. L. Ivanov. Vop. lit. 6 no. 12:192-197 D '62.

Odesa. Universitet. [Artists for the people; articles on the work of Soviet writers] Mytsei narodu; zbirka statet po tvorchist' radians'kykh pys'mennykh. Odesa, M-vo vyshchoi ta serednoi spetsial'noi osvity URSSR, 1961. 163 p. (MH)

Ryl's'kyi, Maksym. [Works in ten volumes] Tvory v desiaty tomakh. Kyiv, Derzh. vyd-vo khudozh. lit-ry. Vol. 9. [Articles on literature, art, and folk literature] Statii pro literaturu, mystetstvo i narodnu tvorchist'. 1962. 417 p.

UKRAINIAN LITERATURE—STUDY AND TEACHING

Mazurkevych, O. R. [Outline history of the teaching of Ukrainian literature] Narysy z istorii metodyky ukrain's'koi literatury. Kyiv, Radians'ka shkola, 1961. 374 p. (InU)

UKRAINIAN NEWSPAPERS

Party guidance is the principal source of the influence of Soviet newspapers and periodicals. V. Kutsenko. Komm. Ukr. 37 no. 5:31-40 My '62.

UKRAINIAN PAINTINGS see Paintings, Ukrainian

UKRAINIAN POETRY—BIBLIOGRAPHY see Bibliography—Ukrainian poetry

UKRAINIAN POETRY—HISTORY AND CRITICISM

"Let us tell you about our party; verse." Reviewed by O. Buzynnyk. Ukraina no. 13:14 Ji '62.

UKRAINIAN POSTERS see Posters, Ukrainian

ULAN BATOR—CONSTRUCTION INDUSTRY

At the foot of an ancient mountain. N. Dambasuren. Sovr. Mong. 7 no. 9:6-9 S '62.

ULAN BATOR—DESCRIPTION

Flowers on a stone. V. Naishulia. Vokrug sveta no. 11:17-18 N '62.

ULAN BATOR—FESTIVALS

October celebration in Mongolia. Sovr. Mong. 7 no. 11:2-4 N '62.

ULAN BATOR—HOSPITALS

In two years. G. Ad'ia. Sovr. Mong. 7 no. 11:14 N '62.

ULAN BATOR—MUSIC FESTIVALS

Sound of songs over the city. Sovr. Mong. 7 no. 7:12 Ji '62.

ULAN BATOR—SPORTS

National holiday. Sovr. Mong. 7 no. 7:3 Ji '62.

ULAN BATOR—UNIVERSITIES AND COLLEGES

Twentieth anniversary of a university. Sovr. Mong. 7 no. 10:14-15 O '62.

ULAN BATOR REGION—SUMMER RESORTS

Vacations. B. Pli'zhe. Sovr. Mong. 7 no. 7:20-21 Ji '62.

ULAN-UDE—GLASS MANUFACTURE—HYGIENIC ASPECTS

At a glass factory in Ulan-Ude. A. Nevenitsa. Okhr. truda i sots. strakh. 5 no. 12:14-15 D '62.

ULANKOM, MONGOLIA—INSCRIPTIONS, TURKISH

Interpretation of the Ulankom inscription. L. N. Gumilev. Sov. arkh. 7 no. 1:205-208 '63.

ULANKOM, MONGOLIA—STOCK AND STOCKBREEDING

With the help of the Soviet Union. Sovr. Mong. 7 no. 10:10-11 O '62.

UL'ANOVA, MARIA IL'INICHNA, 1878-1937

The first deportation of M. I. Ul'anova. V. V. Niiakii. Ist. arkh. 8 no. 6:189-191 N-D '62.

ULTRABASITE see subdivision under Ural Mountain region; Ural Mountains

ULTRASONIC TESTING

Khimchenko, N. V. [Ultrasonic flaw detection] Ul'trazvukova defektoskopiia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 60 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-210/19)

Method of resolving the readings of a pulsed ultrasonic echo-defectoscope. D. S. Shralber. Zav. lab. 29 no. 1:41-45 '63.

Problem of detecting flaws in the ultrasonic defectoscopy by the shadow method. L. M. Iablonik. Zav. lab. 29 no. 1:46-48 '63.

Ultrasonic waves in construction, repair and restoring work. O. Prutsyn. Arkhit. SSSR. no. 2:52-55 '63.

ULTRASONIC WAVES

Chemical transformations of dipeptides and tripeptides under the action of ultrasonic waves in the presence of active and inert gases. I. E. El'pinger, A. V. Sokol'skaya. Dokl. AN SSSR 147 no. 5:1220-1222 D '62.

Effect of pulsed ultrasonic vibrations on the mechanical properties of viscose and acetate fibers. V. T. Faerman. Khim. volok. no. 3:53-58 '62.

Form distortion of an ultrasonic wave of finite amplitude in solids. V. A. Krasilnikov, A. A. Gedrotis. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:92-93 Mr-Ap '62.

New method for determining the fitness of farm animals by ultrasonic waves. P. E. Ladan, M. E. Krasnov. Zhivotnovodstvo 23 no. 7:77-79 Ji '61.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Comments on Simanovich's article. A. G. Lifshits. Tekst. prom. 23 no. 1:75 Ja '63.

Experience of a factory laboratory. A. I. Podgorneva, M. B. Brukhimovich, L. I. Novoshilova. Tekst. prom. 23 no. 1:74 Ja '63.

Ultrasonic meter of unsteady flows. B. S. Zalivadnyi. Priborostroenie no. 1:22-23 Ja '63.

Use of ultrasonic waves for dye dispersion. L. G. Smirnova, A. V. Tiurin. Tekst. prom. 23 no. 1:69-73 Ja '63.

Where and how to apply ultrasonic waves in the textile industry. Tekst. prom. 23 no. 1:75-77 Ja '63.

- ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT**
Data for the study of the effect of ultrasonic waves on the ear of experimental animals [with summary in English]. V. A. Smolin. Zhur. ush., nos. i gorl. bol. 22 no. 4: 43-51 Ji-Ag '62.
- ULTRASONICS—EXPERIMENTS**
Experiments on ultrasonics. N. M. Markosova. Fiz. v shkole 22 no. 6:47-49 N-D '62.
- ULTRAVIOLET RAYS**
Data on the study of antirabic ultraviolet vaccine prepared from different strains of the fixed rabies virus. N. A. Piskareva. Trudy Len. inst. epid. i mikrobiol. 19:173-181 '59.
Industrial method of preparing a dry antirabic vaccine inactivated by ultraviolet rays. N. A. Piskareva, N. A. Piskareva. Trudy Len. inst. epid. i mikrobiol. 19:163-172 '59.
Pyrazoles. Part 35: Fluorescence of pyrazoles induced by ultraviolet rays. I. I. Grandberg, S. V. Tahak, A. N. Kost, Zhur. ob. khim. 33 no. 2:528-533 F '63.
Use of ultraviolet rays in the preservation of cabbage. M. Danilov, A. Grimm. Sov. torg. 36 no. 10:35 O '62.
- ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT**
Akademiya nauk SSSR. Institut biologicheskoi fiziki. Sektsiya po ul'trafioletovomu izlucheniyu. [Recommendations for ultraviolet irradiation of farm animals and fowl]. Rekomendatsii po ul'trafioletovomu oblucheniyu sel'skokhoziaistvennykh zhivotnykh i ptits. Moskva, Izd-vo Akad. nauk SSSR, 1962. 46 p.
(DNAL)
Effect of ultraviolet and ionizing irradiations on hemopoiesis in the bone marrow of guinea pigs. T. A. Sylderskaya, I. N. Filipson. Radiobiologiya 3 no. 1:45-52 '63.
- ULTRAVIOLET RAYS—THERAPEUTIC USE**
Unit for the mass irradiation of poultry. V. A. Mel'nikov. Veterinarika 38 no. 10:61 O '61.
- ULU-TAU—GEOLOGY, STRATIGRAPHIC**
Filatova, L. I. [Pre-Cambrian of the Ulu-Tau] Doklady Ulu-Tau. Moskva, Izd-vo Mosk. univ., 1962. 322 p. (Materialy po geologii Tsentral'nogo Kazakhstana, vol. 6)
- UL'YANOVKA DISTRICT—AGRICULTURAL LIBRARIES**
How a rural library gives help to corn growers. H. Chapovskiy. Sots. kul't. no. 2:33-34 F '63.
- UL'YANOV DISTRICT—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**
Zubakov, S. A. [The paths of guerrilla units] Partizanskimi tropami. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1962. 55 p. map.
- UL'YANOVSK—CEMENT PLANTS**
What construction of the Ul'yanovsk Cement Plant teaches. S. Sheinker, L. Fabrikant. Na stroi. Ros. 3 no. 2:4-6 F '62.
- UL'YANOVSK—SERVICE INDUSTRIES**
Five new construction projects of Ul'yanovsk. I. Mikhailin. Meest. prom. i khud. promys. 3 no. 1:8 Ja '63.
- UL'YANOVSK PROVINCE—STATE FARMS—AC-COUNTING**
The report is accepted on the farm. A. Z. Ivanova, Uchat i fin. v kolhoz. i sovkhos. 20 no. 1:4-5 Ja '63.
- UMBILICUS—ABNORMALITIES AND DEFORMITIES**
Congenital umbilical fistulae [with summary in English]. E. A. Suslennikova. Vest. khir. 89 no. 11:107-112 N '62.
- UMBILICUS—HERNIA**
Hernias of the umbilical cord and their treatment [with summary in English]. V. D. Tikhomirova. Vest. khir. 89 no. 11:112-119 N '62.
- UNDERDEVELOPED AREAS**
An all-Union conference on the law of the transition of the underdeveloped countries to socialism and communism, bypassing the stage of capitalism. Z. Osmanova, Nar. Az. i Afr. no. 1:237-240 '63.
Shmelev, N. P. [Ideologists of imperialism and the problems of underdeveloped countries] Ideologi imperializma i problemy slabo razvitykh stran. Moskva, Sotsekgiz, 1962. 241 p.
- UNDERDEVELOPED AREAS—COMMERCE**
The threat to the economies of liberated countries. V. Kollontai, LA. Efinger. Mir. ekon. i mezhdunar. otn. no. 1:71-80 '63.
- UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS**
The face is new, but the substance is old. IU, Popov, Az. i Afr. seg. no. 3:2-4 Mr '63.
A menace to the industrialization of the developing countries. R. Ul'yanovskii. Az. i Afr. seg. no. 2:2-4, 6 F '63.
- UNDERPASSES** see subdivision under Moscow
- UNDERWATER WELDING AND CUTTING**
Gas-arc underwater cutting of metals. I. S. Shapiro, R. I. Antokhina, I. V. Nikolaeva. Svar. proizv. no. 2: 27-28 F '63.
- UNDULANT FEVER** see Brucellosis
- UNGULATA—ANATOMY**
Nerves of the parietal laura in artiodactyls. M. V. Ovchinnikov. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:106-110 '58.
- UNIFORMS, MILITARY**
History of the introduction of shoulderstraps. I. Svistun, A. Khrulev. Voen. ist. zhur. vol. 5 no. 1:109-116 Ja '63.
- UNION CATALOGS** see Catalogs, Union
- UNION OF SOVIET SOCIALIST REPUBLICS** see Russia
- UNITED NATIONS**
The "cold war" against the United Nations. A. Polishchuk. Az. i Afr. seg. no. 3:59 Mr '63.
- UNITED STATES—AFRICAN STUDIES**
Congress of the American Association for African Research. I. I. Potekhin. Vest. AN SSSR 33 no. 2: 107-108 F '63.
- UNITED STATES—AIR RAID SHELTERS**
"No place to hide: fact and fiction about fallout shelters" [in English]. Edited by Seymour Melman. Reviewed by B. Kanevskii. Nov. vrem. 20 no. 10:30-31 Mr '63.
- UNITED STATES—ARMY**
Mikhailov, A. D. [Airborne troops; based on materials in the foreign press] Vozdushnye desanty; po materialam inostrannoi pechati. Moskva, Voenizdat, 1962. 138 p.
- UNITED STATES—ARTIFICIAL INSEMINATION**
Artificial insemination of cows in the United States of America. I. I. Nazarenko. Zhivotnovodstvo 23 no. 7 91-94 Ji '61.
- UNITED STATES—CAPITAL**
"Capital in the American economy; its formation and financing" [in English] by Simon Kuznets. Reviewed by A. Andkin, S. Nikitin. Mir. ekon. i mezhdunar. otn. no. 1: 147-152 '63.
- UNITED STATES—CENSORSHIP**
"Novoe vremia" under the wardship of the McCarthyites. Nov. vrem. 20 no. 12:16-17 Mr '63.
- UNITED STATES—CIVIL DEFENSE—PSYCHOLOGICAL ASPECTS**
By right of a soldier and father. V. Nikol'sev. Ogonek 40 no. 51:7 D '62.
- UNITED STATES—COMMUNIST PARTY**
At the forefront of the struggle against American reactionary forces. N. Vladimirov, I. Mikhailov. Kommunist 39 no. 5:98-104 Mr '63.
Profanation of democracy. V. Shatrov. Sov. iust. no. 5: 23-25 Mr '63.
Syrtsov, M. H. [Communist Party of the United States in the forefront of the struggle against reaction] Kompartiya SSHA v avangard borot'by poshyreniya politichnykh i naukovykh znaniy Ukrain'skoi RSR. Seriya 4, no. 9)
- UNITED STATES—COPPER—METALLURGY**
Reduction of oxygen-containing copper by converted gas (from "Journal of Metals," no. 8, 1961). V. Beragovskii. TSvet. met. 38 no. 2:93-94 F '63.
- UNITED STATES—COURTS**
Callison, Israel Putnam. [Courts of injustice. Abridged translation from the English] Nepravosudnye sudy. Pod red. i s predisl. P. S. Romashkina. Moskva, Izd-vo inostr. lit-ry, 1961. 334 p. tables.
(MH-L)
"Courts of injustice" [in English] by I. P. Callison. Reviewed by IU, V. Rad, pravo no. 5:117-118, S-O '62.
- UNITED STATES—DESCRIPTION AND TRAVEL**
The "silent generation of the U. S. A." has found its voice. IU, Kashlev. Mol. komm. no. 5:112-118 My '62.
- UNITED STATES—ECONOMIC CONDITIONS**
The legendary "welfare state" and capitalist reality. F. Horov'skiy. Komm. Ukr. 37 no. 5:58-66 My '62.
- UNITED STATES—ECONOMIC ZONING**
Economic regionalization of the U. S. A. B. N. Semevskii. Uch. zap. LGU no. 315:116-124 '62.
- UNITED STATES—EDUCATION**
"Overtake the U. S. S. R. in the field of education." M. Bernshtein. Nar. obr. no. 2:103-108 F '63.
- UNITED STATES—ELECTRIC EQUIPMENT INDUSTRY**
Machinery and automatic equipment of storage facilities of large industrial enterprises (from "Mechanical Engineering," no. 2 1962). I. A. E. Vol'fkovich. Prom. energ. 18 no. 2:42-43 F '63.
- UNITED STATES—ELECTRIC MOTORS—STARTER DEVICES**
A static electric motor starting device (from "Avt. Control," no. 11 1961). I. A. E. Vol'fkovich. Pro 18 no. 2:42 F '63.
- UNITED STATES—ELECTRIC POWER PLANTS**
Construction of electric power plants in the United States. A. S. Ivanenko. Energ. i elektrotekh. prom. no. 4 O-D '62.
- UNITED STATES—FARMERS**
History of the movement of U. S. farmers in the 19th century. E. F. Iaz'kov. Vop. ist. 38 no. 2:186-197 F '63.
- UNITED STATES—FASCISM**
The alliance of swastika, sword, and dollar. N. I. Komin. Mold. 7 no. 5:55-63 My '62.
- UNITED STATES—FINANCE**
Financial regulation, theory and practice. R. Entenok. i mezhdunar. otn. no. 1:47-58 '63.
- UNITED STATES—FLOUR—STORAGE**
Bulk storage of flour in the "Goodman" macaroni factory. E. S. Poliakov. Khleb. i kond. prom. 7 no. 1:41-42 Ja '63.
- UNITED STATES—FOREIGN ECONOMIC RELATIONS—AFRICA**
American monopolies in Africa [with English summary in appendix]. D. Kostukhin. Vnesh. torg. 43 no. 26-31 '63.
- UNITED STATES—FOREIGN ECONOMIC RELATIONS—LATIN AMERICA**
Some comments on the "Alliance for Progress." Mashbits. Vop. ist. 38 no. 2:191-193 F '63.
- UNITED STATES—FOREIGN RELATIONS—COSTA RICA**
Yankees in Costa Rica. G. Noskov. Nov. vrem. 20 no. 12:12-13 Mr '63.
- UNITED STATES—FOREIGN RELATIONS—CUBA**
The island of freedom storms new frontiers. M. K. Nov. Sov. profsoyuzy 19 no. 3:24-25 F '63.
- UNITED STATES—FOREIGN RELATIONS—EUROPE—WESTERN**
Reactionary doctrine of the "Atlantic community." gramov. Kommunist 39 no. 4:89-105 Mr '63.
- UNITED STATES—FOREIGN RELATIONS—JAPAN**
Japanese trade unions and the World Federation of Unions' program of action. Solch. Hosoi. Vsem. dvizh. no. 2:34-37 F '63.
- UNITED STATES—FOREIGN RELATIONS—INDONESIA**
Behind the shield of "good services." A. Lavin. A. Afr. seg. no. 2:8-9 F '63.
- UNITED STATES—FOREIGN RELATIONS—LATIN AMERICA**
"The Yankee empire is an enemy of Latin America" A. Nunez Jimenez. Translated from the Spanish. Reviewed by O. M. Olteanu. Vop. ist. 38 no. 2:177 F '63.
- UNITED STATES—FOREIGN RELATIONS—PERIODICALS**
On the "war path." I. Ermashov. Mir. ekon. i mezhdunar. otn. no. 1:137-140 '63.
- UNITED STATES—FOREIGN RELATIONS—SAUDI ARABIA**
Protection of the throne against the nation. A. Zhemgov. Az. i Afr. seg. no. 3:58 Mr '63.
- UNITED STATES—FOREIGN RELATIONS—VENEZUELA**
Why Betancourt went to the United States? P. Shibli. Nov. vrem. 20 no. 11:25-27 Mr '63.
- UNITED STATES—FORGING MACHINERY**
High energy machines. V. N. Glushkov, A. N. Bolshakov. Kuz., -shtam. proizv. 5 no. 2:23-27 F '63.
- UNITED STATES—GAS INDUSTRY**
Gas-refining industry of the U. S. A. in 1961-1962. N. Pinagin. Khim. i tekhn. topl. i masel 3 no. 1:68-71 '63.
- UNITED STATES—GEOGRAPHICAL RESEARCH**
Eganov, G. L. [Problems of the economic development of the U. S. S. R. in the work of the economic geographers of the U. S. A.] Problemy ekonomicheskogo razvitiya SSSR i stran narodnoi demokrati v trudakh ekonomicheskikh i geograficheskikh nauchnykh rabotnikov SSSR. Erevan, Izd-vo Akad. nauk mlanskoj SSR, 1962. 241 p.
- UNITED STATES—GROSS NATIONAL PRODUCT**
The gross national product of the U. S. A. and the methodology for calculating it. S. Zagladina. Vest. stat. no. 1:38-47 '63.
- UNITED STATES—HISTORY**
American comments on the Patriotic War of 1812 [with summary in English, p. 189]. N. N. Bolokhov. Nov. i noveish. ist. no. 6:93-97 '62.

UNITED STATES—HISTORY (Continued)
 struggle in the U.S.A. and the movement against anti-Soviet intervention, 1919-1920" by I. M. Krasnov, reviewed by G. G. Alakhverdov. Vop. ist. 38 no. 2: 160-162 F '63.
 Studies on modern and recent history of the U. S. A. 1-2. Reviewed by N. V. Mostovets. Nov. i rossiisk. ist. no. 6:140-145 '62.
UNITED STATES—HYDROMETALLURGY
 tion of the Yerington hydrometallurgical plant "Engineering and Mining Journal," no. 8, 1954; 1952). A. S. Pen'ko. Tsvet. met. 35 no. 12:78 '63.
UNITED STATES—IMPOSTORS AND IMPOSTURE
 "Electronic Christ" and other impostures. S. Gorskil. Elektr. i rol. 4 no. 1:46 Ja '63.
UNITED STATES—IRISH
 The Irish in the U. S. A. in the 1850's and 1860's. Sh. A. Rogina. Nov. i noveish. ist. no. 6:113-124 '62.
UNITED STATES—JOURNALISM
 The "muckrakers" movement and monopolies in the United States, 1890-1908 [with summary in English]. A. V. Dmitriev. Vest. LGU 18 no. 2:51-60 '63.
UNITED STATES—JUSTICE AND POLITICS
 Profanation of democracy. V. Shatrov. Sov. iust. no. 5: 23-25 Mr '63.
UNITED STATES—JUVENILE DELINQUENCY
 Juvenile delinquency in the U.S.A. V. Orlov. Sov. iust. no. 3:27-28 F '63.
UNITED STATES—LABOR AND LABORING CLASSES
 It is not enough to want peace; one has to fight for it. Nathan Noss. Sov. profsoiuzy 19 no. 3:26 F '63.
UNITED STATES—LAWYERS
 "Courts of injustice" [in English] by I. P. Callison. Reviewed by I. V. Rad. pravo no. 5:117-118 S-O '62.
UNITED STATES—MILITARY POLICY
 Morev, V. N. [Pentagon; notes of a Soviet Journalist] Pentagon; zametki sovetskogo zhurnalista. Moskva, Gospolitizdat, 1963. 158 p.
 Outer space in the aggressive plans of imperialism. N. Shytov. Mir. ekon. i mezhdunar. otn. no. 1:81-87 '63.
 War doctrine of American imperialism. S. Konstantinov. Komm. Vooruzh. Sil 3 no. 23:79-85 D '62.
UNITED STATES—MINING MACHINERY
 Determining the economic efficiency of stopping equipment [from "Coal Age" no. 1, 1962]. Ugol. prom. no. 6:87-89 N-D '62.
UNITED STATES—MOTION PICTURES
 Ugly face of bourgeois culture. Sots. kult. no. 2:47 F '63.
UNITED STATES—OIL FIELDS—PRODUCTION METHODS
 Kocheshkov, A. A., and others. [Practices in well completion in the United States] Opyt zakanchivaniya skvazhin v SShA. Moskva, Gostekhnizdat, 1962. 171 p.
UNITED STATES—PASTORAL MEDICINE
 A shaman from Oklahoma. Volov. atefet 3 no. 2:57 F '63.
UNITED STATES—PIPE BENDING—EQUIPMENT AND SUPPLIES
 Device for bending thin-walled pipes of large diameter [from "The Oil and Gas Journal," May 1962]. Mont. i spets. rab. v stroi. 25 no. 3:27 Mr '63.
UNITED STATES—PLASTIC FILMS
 Tank with a film cover [from "Civil Engineering," no. 9, 1962]. Mont. i spets. rab. v stroi. 25 no. 3:30 Mr '63.
UNITED STATES—POLITICS AND GOVERNMENT
 Genuine democracy and sham democracy. Komm. Mold. 7 no. 1:63-65 Ja '63.
 The "silent generation of the U. S. A." has found its voice. IU, Kashiev. Mol. komm. no. 5:112-118 My '62.
UNITED STATES—POWER RESOURCES
 The fuel power balance of the U. S. A. R. Adilvankina. Mir. ekon. i mezhdunar. otn. no. 1:107-114 '63.
UNITED STATES—PRESS
 Shestopal, M. M. [Present-day American press] Suchasna amerykanska presa. [Kyiv] Vyd-vo Kyivs'koho univ. 1959. 325 p. (NNC)
UNITED STATES—PRESTRESSED CONCRETE CONSTRUCTION
 A wharf made of prestressed reinforced concrete. I. E. Tsimberg. Transp. stroi. 12 no. 7:59-60 Ji '62.
UNITED STATES—RACE QUESTION
 An application. I. Kuiperman, IU, Bars'kyl. Ukraina no. 1:24-25 Ja '63.
 "Operation Meredith." Oleksa Nosenko. Ukraina no. 1: 24-25 Ja '63.

UNITED STATES—RAILROADS—HUMP YARDS
 Some characteristics of the layout and technology of classification yards in the U. S. A. G. B. Shavkin. Zhelezn. dor. transp. 45 no. 2:92-93 F '63.

UNITED STATES—RELATIONS (GENERAL) WITH JAPAN
 "Struggle in the field of ideology and culture" [in Japanese] by Kurohara Korehito. Reviewed by B. Pospelov. Az. i Afr. seg. no. 2:54-55 F '63.

UNITED STATES—RELATIONS (GENERAL) WITH RUSSIA
 American welders in Kiev. Avtom. svar. 15 no. 12:87 D '62.
 Dawn of scientific cooperation between Russia and the United States; first presidents of the National Academy of Sciences of the U. S. and their connections with Russian scientists. M. I. Radovskii. Priroda 52 no. 2: 93-94 '63.
 My colleague, Marek, the reporter. A. Taradankin. Sov. pech. no. 8:57-58 Ag '62.

UNITED STATES—RELATIONS (MILITARY) WITH CENTRAL AMERICA
 The "Small NATO" plan. Nov. vrem. 20 no. 11:3 Mr '63.

UNITED STATES—RELATIONS (MILITARY) WITH SOUTH VIETNAM
 The aggressive policy of the United States in Vietnam, 1945-1962 [with summary in English, p. 258]. I. M. Shchedrov. Nar. Az. i Afr. no. 1:60-59 '63.

UNITED STATES—RUSSIAN LITERATURE—HISTORY AND CRITICISM
 Far from the truth. N. Anashtev. Vop. lit. 6 no. 12: 162-164 D '62.

UNITED STATES—SOCIAL CONDITIONS
 Glitter and poverty in capitalist countries. Sov. profsoiuzy 19 no. 2:26-27 Ja '63.
 Mikhailov, N. N., and Z. V. Kosenko. [The Americans; travel tales] Amerikantsy; putevaya povest'. 2. izd. Moskva, Sovetskii pisatel', 1962. 237 p.

UNITED STATES—SPACE FLIGHT
 Six turns of an American astronaut. Kryl. rod. 13 no. 12:27 D '62.

UNITED STATES—STORES, RETAIL
 Commercial services in the U. S. A. A. Urbakh, IU, Sokolov. Zhit. stroi. no. 1:24-29 '63.

UNITED STATES—SUBMARINE BOATS
 Development in the United States of submarine boats for deep sea oceanographic research; from data in the foreign press. V. N. Gerasimov. Mor. sbor. 46 no. 2: 76-83 F '63.

UNITED STATES—SUBVERSIVE ACTIVITIES
 A word in favor of... Nov. vrem. 20 no. 10:17-18 Mr '63.

UNITED STATES—TANKS
 Tank with a film cover [from "Civil Engineering," no. 9, 1962]. Mont. i spets. rab. v stroi. 25 no. 3:30 Mr '63.

UNITED STATES—TRADE UNIONS
 "Basic problems of the American labor movement" by George Morris. Translated from the English. Reviewed by V. L. Mal'kov. Nov. i noveish. ist. no. 6: 162-164 '62.

UNITED STATES—TRUSTS, INDUSTRIAL
 The "muckrakers" movement and monopolies in the United States, 1900-1908 [with summary in English]. A. V. Dmitriev. Vest. LGU 18 no. 2:51-60 '63.

UNITED STATES—WAR—ECONOMIC ASPECTS
 It is not enough to want peace; one has to fight for it. Nathan Noss. Sov. profsoiuzy 19 no. 3:26 F '63.

UNITED STATES—WATER—DISTRIBUTION
 Mechanization of the operation of valves on water pipes in the United States. V. V. Shmukovich. Vod. i san. tekhn. no. 2:36-38 F '63.

UNITED STATES—WHARVES
 A wharf made of prestressed reinforced concrete. I. E. Tsimberg. Transp. stroi. 12 no. 7:59-60 Ji '62.

UNITED CARGO SYSTEMS
 (see also subdivision under Black Sea region)
 New method of lumber transportation by mixed railroad-water communications. E. Gagarckii. Rech. transp. 22 no. 1:10-12 Ja '63.

UNITS
 International standard of units and its practical uses in engineering. G. D. Burdun. Elek. i tepl. tiaga 7 no. 1:38-41 Ja '63.
 International system of units. L. R. Stetskii. Elek. sta. 34 no. 1:65-75 Ja '63.
 International system of units (SI). Plast. massy no. 1: 2 of cover '63.
 Present state of the establishment of initial measurement units. G. D. Burdun. Izv. tekhn. no. 1:51-56 Ja '63.
 The Soviet Union adopts the new international unit system. Prom. Arm. 5 no. 12:69-70 D '62.

UNIVERSITIES AND COLLEGES
 (see also subdivision under Ulan Bator)
 "Institutions of higher learning of the U. S. S. R." by S. I. Zinov'ev, B. M. Remennikov. Reviewed by S. A. Radzhnbov. Vest. vys. shkoly 21 no. 1:90-91 Ja '63.

UNIVERSITIES AND COLLEGES—ENTRANCE EXAMINATIONS
 Some lessons of entrance examinations in institutions of higher learning. Prep. ist. v shkole 17 no. 6:62-67 N-D '62.

UNSATURATED COMPOUNDS
 Condensation of guaiacol with unsaturated alcohols in the presence of phosphoric acid. A. I. Kakhnashvili, D. S. Pardzhikha, M. L. Kantaria. Zhur. ob. khim. 33 no. 2:667-673 F '63.

Divinylacetylene and its halo derivatives. Report No. 12: Copolymerization of trans-2, 3, 4, 5-tetrachloro-1, 3, 5-hexatriene with isoprene, chloroprene, and methyl vinyl ketone. G. E. Krbekian, E. G. Sinanian, A. N. Akopian. Izv. AN Arm. SSR. Khim. nauki 15 no. 6:527-533 '62.
 On the possibility of preparing unsaturated derivatives of cellulose by the Chugaev reaction. Part 2 [with summary in English]. A. I. Poliakov, Z. A. Rogovin, V. A. Derevitskaya. Vysokom. soed. 5 no. 2:161-163 F '63.
 Photoreaction of hexafluorocyclohexane with unsaturated compounds. V. A. Ginsburg and others. Dokl. AN SSSR 149 no. 1:97-99 Mr '63.
 Rearrangement-cleavage of quaternary ammonium salts containing α -allyl and α -acetylenyl systems. A. T. Babaian and others. Izv. AN Arm. SSR. Khim. nauki 15 no. 6:567-569 '62.

URAL—ALTAIC TRIBES
 International Congress of Orientalists, 23d, Cambridge, Eng., 1964. Delegation from the U. S. S. R. [Papers presented by the Soviet Delegation at the XXIII International Congress of Orientalists; Altaic studies] Doklady Sovetskoi Delegatsii na XXIII Mezhdunarodnom kongresse vostokovedov; sektsiia issledovani po altaistike. Moskva, Izd-vo Akad. nauk SSSR, 1964. 31 p. [In Russian and English]

URAL MOUNTAIN REGION—ANIMAL INTRODUCTION
 Materials on the variability of American minks in the Urals. V. N. Pavlinin. Trudy Inst. biol. UPAN SSSR no. 29:97-110 '62.

URAL MOUNTAIN REGION—CAVE DRAWINGS
 Paleolithic drawings of the Kapovaya cave (Shul'gan-Tash) in the Urals. O. N. Bader. Sov. arkheol. 7 no. 1: 125-134 '63.

URAL MOUNTAIN REGION—CLIMATE
 Practice in the climatic regionalization of the central Urals. A. G. Chikichev. Sfb. geog. sbor. no. 11:59-167 '62.

URAL MOUNTAIN REGION—EFFICIENCY, INDUSTRIAL
 From the history of our struggle for socialist labor. V. P. Ivanov. Vop. arkh. 7 no. 3:116 Ji-S '62.

URAL MOUNTAIN REGION—ELECTRIC EQUIPMENT INDUSTRY
 Prospects for the development of an electric equipment industry in the Urals. N. N. Pytel'. Vest. elektroprom. 34 no. 2:1-2 F '63.

URAL MOUNTAIN REGION—GAS, NATURAL—GEOLOGY
 Geology, and oil and gas potentials of the northern part of the marginal cis-Ural trough. A. I. A. Krems. G. V. Chernyshevskii. Geol. nefi i gaza 7 no. 2:8-14 F '63.

URAL MOUNTAIN REGION—GRANITE
 Autometasomatic processes in granitoids in the Neroyko-Patokskiy massif (arctic and subarctic Urals). B. A. Goldin. Izv. AN SSSR. Ser. geol. 28 no. 1:66-76 Ja '63.

URAL MOUNTAIN REGION—LISTERIOSIS
 Listerellosis infection in the Urals. M. B. Kaplitskii and others. Sbor. rab. Sverd. med. inst. no. 32:73-78 '61.

URAL MOUNTAIN REGION—MACHINERY INDUSTRY—PRODUCTION STANDARDS
 Volunteer efficiency experts. S. Iushkovskii. Sois. trud 8 no. 2:83-85 F '63.

URAL MOUNTAIN REGION—METASOMATISM
 Autometasomatic processes in granitoids in the Neroyko-Patokskiy massif (arctic and subarctic Urals). B. A. Goldin. Izv. AN SSSR. Ser. geol. 28 no. 1:66-76 Ja '63.
 Metasomatic transformations of ultrabasicites in the Arctic Urals. V. F. Morkovkina. Trudy IGEM no. 77:130-224

URAL MOUNTAIN REGION—MINING ENGINEERING—SAFETY MEASURES
 Means for reducing accidents in pits. S. I. Elonskii. Bezop. truda v prom. 6 no. 11:14-15 N '62.

- URAL MOUNTAIN REGION—MINKS**
Materials on the variability of American minks in the Urals. V. N. Pavlinin. Trudy Inst. biol. UFAN SSSR no. 29:97-119 '62.
- URAL MOUNTAIN REGION—PETROLEUM GEOLOGY**
Geology, and oil and gas potentials of the northern part of the marginal cis-Ural trough. A. I. A. Krems, G. V. Chernyavskii. Geol. nefit i gaza 7 no. 2:8-14 F '63.
- URAL MOUNTAIN REGION—PHYSICAL GEOGRAPHY**
Physico-geographical regionalization of Sverdlovsk Province in connection with the regionalization of the Urals and Western Siberia. V. I. Prokav, A. M. Olenov. Sib. geog. sbor. no. 1:95-118 '62.
- URAL MOUNTAIN REGION—REEFS**
Seismic prospecting using the controlled directional sensitivity method in search for reef massifs in the southern cis-Ural region. F. I. Khat'ianov, I. A. I. Shul'ts, V. V. Kuriaeva. Geol. nefit i gaza 7 no. 2: 27-33 F '63.
- URAL MOUNTAIN REGION—SEISMIC PROSPECTING**
Seismic prospecting using the controlled directional sensitivity method in search for reef massifs in the southern cis-Ural region. F. I. Khat'ianov, I. A. I. Shul'ts, V. V. Kuriaeva. Geol. nefit i gaza 7 no. 2: 27-33 F '63.
- URAL MOUNTAIN REGION—SWANS**
Past and present distribution of the whooper swan in the Urals. M. N. Danilov. Ornithologia no. 5:281-283 '62.
- URAL MOUNTAIN REGION—ULTRABASITE**
Metasomatic transformations of ultrabasites in the Arctic Urals. V. F. Morkovkina. Trudy IGEM no. 77:130-224 '62.
- Nikitin, K. K.** [Ancient weathering surface of ultrabasic rocks in the Buryktal Massif] Drevniia kora vyvetriyavania Buryktal'skogo massiva ul'traosnovnykh porod. Moskva, Izd-vo Akad. nauk SSSR, 1962. 189 p. (Akademii nauk SSSR. Institut geologii i rudnykh mestorozhdenii, petrografi, mineralogii i geokhimii. Trudy, no. 69)
- URAL MOUNTAIN REGION—WEATHERING**
Nikitin, K. K. [Ancient weathering surface of ultrabasic rocks in the Buryktal Massif] Drevniia kora vyvetriyavania Buryktal'skogo massiva ul'traosnovnykh porod. Moskva, Izd-vo Akad. nauk SSSR, 1962. 189 p. (Akademii nauk SSSR. Institut geologii i rudnykh mestorozhdenii, petrografi, mineralogii i geokhimii. Trudy, no. 69)
- URAL MOUNTAINS—AMPHIBOLE**
"Karatshin"-type amphiboles from eclogites and quartz-muscovite veins in the southern part of the Marun-Keu Ridge (Arctic Urals). H. G. Udovkina. Trudy IGEM no. 77:282-306 '62.
- URAL MOUNTAINS—BRACHIOPODA, FOSSIL**
Alekseeva, R. E. [Devonian Atrypa of the Kuznetsk and Minusinsk Basins and the eastern slope of the Northern Urals] Devonskie atripydy Kuznetskogo i Minusinskogo basseinov i vostochnogo sklonu Severnogo Urala. Moskva, Izd-vo Akad. nauk SSSR, 1962. 195 p. tables.
- URAL MOUNTAINS—CATTLE—PHYSIOLOGY**
Dynamics of the morphological composition of the blood of Tagil cattle in ontogenesis. P. F. Soldatenkov. Zhivotnovodstvo 23 no. 7:82-84 J1 '61.
- URAL MOUNTAINS—DIABASE**
Diabase formations in the Urals. N. A. Sirin. Trudy IGEM no. 77:65-80 '62.
- URAL MOUNTAINS—DIAMONDS**
Diamonds from the Urals. V. S. Shtet, TSvet. met. 36 no. 2:92 F '63.
- URAL MOUNTAINS—FOREST REPRODUCTION**
Effect of fire on the regeneration of Sukachev's larch in the Central Urals. N. A. Kononov, V. D. Luganskain. Izv. vyz. ucheb. zav. i les. zhur. 5 no. 5:15-18 '62.
- URAL MOUNTAINS—GEOLOGICAL TIME**
Age of metamorphic rocks in the Kamenka and Sanarka basins of the Kochkar region (Southern Urals). P. N. Lebedev. Mat. po geol. i pol. iskop. Urala no. 10:107-110 '62.
- Age of ultrabasic intrusions of the Urals. L. D. Bulykin. Mat. po geol. i pol. iskop. Urala no. 10: 70-74 '62.
- URAL MOUNTAINS—GEOLOGY, STRATIGRAPHIC**
Lower Carboniferous stratigraphy of the Magnitogorsk synclinalorium. K. P. Piliusina, A. A. Piliusina. Mat. po geol. i pol. iskop. Urala no. 10:75-87 '62.
- Stratigraphy of the Upper Tournaisian and Lower Visian stages on the western slope of the Southern Urals (Usuy-II River layer). G. I. Teodorovich and others. Dokl. AN SSSR 149 no. 1:186-189 Mr '63.
- URAL MOUNTAINS—GEOLOGY, STRUCTURAL**
Isolation of geologic and metallogenic formations in the Mesozoic and Cenozoic of the Urals. A. P. Sigov. Mat. po geol. i pol. iskop. Urala no. 10:13-12 '62.
- Tectonics of the central part of the Ufa amphitheater. V. G. Varganov. Mat. po geol. i pol. iskop. Urala no. 10: 111-116 '62.
- URAL MOUNTAINS—GLACIOLOGICAL RESEARCH**
Akademii nauk SSSR. Institut geografii. [The Arctic Ural] Polarnyi Ural. Moskva. (Its: Materialy glaciologicheskikh issledovani) [With summary in English] **Troitskii, L. S.** [General description of the studies] Obshchee opisaniie issledovani, 1962. 56 p.
- URAL MOUNTAINS—GLACIOLOGY**
Akademii nauk SSSR. Institut geografii. [The Arctic Ural] Polarnyi Ural. Moskva. (Its: Materialy glaciologicheskikh issledovani) [With summary in English] **Khodakov, V. G.** [Ablation, Runoff] Ablatsiia. Stok. 1962. 140 p.
- Akademii nauk SSSR. Institut geografii.** [The Arctic Ural] Polarnyi Ural. Moskva. (Its: Materialy glaciologicheskikh issledovani) [With summary in English] **Troitskii, L. S.** [Glacial morphology] Gliatsiogeomorfologiya, 1962. 186 p.
- URAL MOUNTAINS—HARZBURGITE**
Tectonic position of the harzburgite formation in the Urals. S. V. Moskalova. Sov. geol. 5 no. 12:57-69 D '62.
- URAL MOUNTAINS—IRON ORES**
Complete use of Ural iron ores. A. P. Kvaskov, A. S. Osintsev, A. A. Rozhnovskii. Gor. zhur. no. 2:54-58 F '63.
- Concentration and separation of Ural iron ores. G. V. Zhukovskii. Gor. zhur. no. 2:58-61 F '63.
- Iron-bearing waters in the eastern slope of the Urals and their role in the formation of iron ore deposits of the Alapsyevsk type. A. I. Koval'chuk, N. F. Khrist'ian. Sov. geol. 5 no. 12:119-122 D '62.
- URAL MOUNTAINS—LARCH**
Effect of fire on the regeneration of Sukachev's larch in the Central Urals. N. A. Kononov, V. D. Luganskain. Izv. vyz. ucheb. zav. i les. zhur. 5 no. 5:15-18 '62.
- URAL MOUNTAINS—MINERAL WATERS—ANALYSIS**
Iron-bearing waters in the eastern slope of the Urals and their role in the formation of iron ore deposits of the Alapsyevsk type. A. I. Koval'chuk, N. F. Khrist'ian. Sov. geol. 5 no. 12:119-122 D '62.
- URAL MOUNTAINS—ORE DEPOSITS**
Isolation of geologic and metallogenic formations in the Mesozoic and Cenozoic of the Urals. A. P. Sigov. Mat. po geol. i pol. iskop. Urala no. 10:3-12 '62.
- URAL MOUNTAINS—PALEOGEOGRAPHY**
Smirnov, G. A., and T. A. Smirnova. [Materials on the paleogeography of the Urals] Materialy k paleogeografii Urala. Sverdlovsk. Pt. 3. [Famennian age] Famenskii vek. 1961. 83 p. (Akademii nauk SSSR. Ural'skii filial. Gorno-geologicheskii institut. Trudy, no. 60)
- URAL MOUNTAINS—PALEONTOLOGY, STRATIGRAPHIC**
Stratigraphy of the Upper Tournai and Lower Visian in the Southern Urals (cross section of the Usuya Valley). G. I. Teodorovich. Izv. AN SSSR. Ser. geol. 27 no. 12: 32-45 D '62.
- URAL MOUNTAINS—PEGMATITES**
Characteristics of the distribution of granite pegmatites in the Urals. N. V. Kuklin, V. N. Sazonov. Mat. po geol. i pol. iskop. Urala no. 10:89-106 '62.
- URAL MOUNTAINS—ROCKS, CRYSTALLINE AND METAMORPHIC**
Age of metamorphic rocks in the Kamenka and Sanarka basins of the Kochkar region (Southern Urals). P. N. Lebedev. Mat. po geol. i pol. iskop. Urala no. 10:107-110 '62.
- URAL MOUNTAINS—RUNOFF**
Akademii nauk SSSR. Institut geografii. [The Arctic Ural] Polarnyi Ural. Moskva. (Its: Materialy glaciologicheskikh issledovani) [With summary in English] **Khodakov, V. G.** [Ablation, Runoff] Ablatsiia. Stok. 1962. 140 p.
- URAL MOUNTAINS—SEISMIC PROSPECTING**
Regional seismic studies conducted in the Urals in connection with extra-deep drilling. N. I. Khat'ev, A. A. Maikhorov. Izv. AN SSSR. Ser. geofiz. no. 1:49-57 Ja '63.
- URAL MOUNTAINS—SNOW**
Akademii nauk SSSR. Institut geografii. [The Arctic Ural] Polarnyi Ural. Moskva. (Its: Materialy glaciologicheskikh issledovani) [With summary in English] **Khodakov, V. G.** [Snow cover] Snezhnyi pokrov. 1962. 129 p.
- URAL MOUNTAINS—ULTRABASITE**
Age of ultrabasic intrusions of the Urals. I. D. Bulykin. Mat. po geol. i pol. iskop. Urala no. 10: 70-74 '62.
- Position of ultrabasic massifs in the structure of the Toguzak-Ayat region on the eastern slope of the Southern Urals. L. D. Bulykin. Mat. po geol. i pol. iskop. Urala no. 10:46-60 '62.
- URAL/SK—INDUSTRIAL HYGIENE**
Accident or fault. E. Berger. Okhr. truda i slob. strakh. 6 no. 2:34-35 F '63.
- URANIUM**
Iodometric determination of uranium involving the use of arsenic acid. I. A. Mamedov, A. A. Emirizlianova. Azerb. nefit, khoz. 41 no. 11:40-42 N '62.
- Sorption of uranium (VI) by a strong acid cation exchange KU-2 from solutions containing hydrofluoric acid. V. S. Pakholkov. Radiokhimiia 5 no. 1:59-62 '63.
- [Uranium geology] Voprosy geologii urana. Moskva, Atomizdat, 1957. 169 p.
- URANIUM—ANALYSES**
Amperometric titration of uranium with a graphite electrode. Z. B. Rozhdestvenskaia, G. A. Songina, V. I. Barikov. Zav. lab. 29 no. 1:30-33 '63.
- URANIUM—HYDROGEN CONTENT**
Determination of small amounts of hydrogen and oxygen in metallic uranium [with summary in English]. I. A. Berezin, V. I. Malyshev. Zhur. anal. khim. 17 no. 6: 1101-1104 D '62.
- URANIUM—OXYGEN CONTENT**
Determination of small amounts of hydrogen and oxygen in metallic uranium [with summary in English]. I. A. Berezin, V. I. Malyshev. Zhur. anal. khim. 17 no. 6: 1101-1104 D '62.
- URANIUM—SPECTRA**
Combined magnetoelectric dipole transitions in the spectra of crystals composed of alkali fluorides with hexavalent uranium. A. A. Kaplanski, N. A. Moskvina. Dokl. AN SSSR 148 no. 3:558-561 Ja '63.
- URANIUM COMPOUNDS**
Crystal structure of some thorium and uranium compounds. E. G. Arutunian, M. A. Porat-Koshitz. Zhur. strukt. khim. 4 no. 1:110-111 Ja-F '63.
- Hydrolysis of a U(IV) ion. V. M. Vdovenko, G. A. Romanov, V. A. Shcherbakov. Radiokhimiia 5 no. 1:137-138 '63.
- Organic coprecipitating agents. Part 17: Coprecipitation of uranium as 8-hydroxyquinoline with indifferent coprecipitating agents. V. I. Kuznetsov, V. V. Gorobkov. Radiokhimiia 5 no. 1:93-97 '63.
- URANIUM ORES**
Conditions for the formation and classification of exogenous uranium deposits. V. I. Danchev. Atom. energ. 14 no. 3:286-308 Mr '63.
- Some data on uranium minerals in a pegmatite deposit [with summary in English]. L. F. Syrtsov. Vest. LCU 17 no. 24:86-73 '62.
- URANIUM OXIDES**
Interaction of uranium oxides with vanadium and niobium oxides. L. M. Kovba, Van Shi-khua [Wang Shi-hua], E. I. Sirotkina. Dokl. AN SSSR 148 no. 1:113-115 Ja '63.
- URANIUM OXIDES—MAGNETIC PROPERTIES**
Magnetic properties of U₂O₅. N. I. Blinova and others. Dokl. AN SSSR 147 no. 5:1112-1113 D '62.
- URANYL CHLORIDE**
Solvation of uranyl chloride by tri-n-butyl phosphate. V. M. Vdovenko, A. A. Lipovskii, S. A. Nikulina. Radiokhimiia 5 no. 1:139-141 '63.
- URANYL COMPOUNDS**
Complex formation of an uranyl ion with some Schiff bases. L. N. Pankratova, I. A. Savich, A. V. Lapitskii. Radiokhimiia 5 no. 1:114-118 '63.
- Interaction of components in the systems type MeNO₃ - UO₂(NO₃)₂ - H₂O. M. I. A. I. A. Kimov and others. Radiokhimiia 5 no. 1:73-80 '63.
- URANYL NITRATE**
Processes and interaction products of macromolecular compounds with inorganic salts. Part 2: Formation of complexes of poly (α-methyl) acrolein with uranyl nitrate. I. V. Andreeva, P. F. Andreev, E. M. Rogozina. Radiokhimiia 5 no. 1:103-108 '63.
- URANYL NITRATE CRYSTALS**
Structure of uranyl nitrate trihydrate. V. M. Vdovenko, E. V. Stroganov, A. P. Sokolov. Radiokhimiia 5 no. 1: 97-103 '63.
- URANYL PERCHLORATE**
Mutual solubility in the systems uranyl perchlorate - water- diethyl ether and uranyl perchlorate - water - di-n-butyl ether at 25°C. V. M. Vdovenko and others. Radiokhimiia 5 no. 1:80-89 '63.

UREA

Dehydrating effect of a hypertonic urea solution [with summary in English]. E. I. Zlotnik, I. Z. Stolkart, F. I. Sytlo. Vrach, delo no. 11:77-81 N '62.
Ensiling corn with the addition of urea. V. Mokhnatkin. Zhivotnovodstvo 23 no. 6:76-77 Je '61.
Isolating petroleum cyclohexane by means of crystalline thiourea [in Azerbaijani with summary in Russian]. I. I. Namazov, G. G. Ashumov. Azerb. neft, khoz. 41 no. 5:33-35 My '62.

Some data on the effect of urea peroxide on the recovery of Infusoria after irradiation. A. S. Popov. Radiobiologiya 3 no. 1:121-125 '63.

UREA AS FEED

(see also subdivision under Pereslavl'-Zaleskiy District)

Cases of carbamide poisoning in ruminants. G. N. Kolegov. Veterinariia 37 no. 11:67 N '60.

UREMIA

Pathologic histologic changes in the central nervous system and the solar plexus ganglia in psychoses resulting from uremia. N. N. Vakulenko. Shor. nauch. trud. Vin. der. med. inst. 18 no. 2:57-65 '59.

URETHANES

Manufacture of artificial patent leather. N. A. TSvetkova, R. A. Libanova, I. V. Plotnikov. Nauch. -issl. trudy VNIPIK no. 12:3-11 '60.

URETHRA—DISEASES

U' in I. I. [Nongonococcal venereal urethritis in men] Negonokokkovye venericheskie uretrity u muzhchin. [Leningrad] Medgiz, 1962. 218 p. (Biblioteka prakticheskogo vracha) (DNLM)

URINARY ORGANS—DISEASES

Changes in the urinary system in brucellosis. N. F. Khokhlov. Zdrav. Kazakh. 22 no. 11:29-32 '62.

URINARY ORGANS—RADIOGRAPHY

Method of urography. S. I. Finkel'shteyn. Sov. med. 28 no. 12:97-99 D '62.

URINE—ANALYSIS AND PATHOLOGY

Diagnostic significance of the color sedimentation reaction of urine. A. P. Karapata. Vrach, delo no. 1:137-138 Ja '63.

Effect of phlorizin and atrophantin on the secretion of glucose and sodium with the urine of dogs. A. S. Oganesian. Izv. AN Arm. SSR. Biol. nauki 15 no. 8:39-44 Ag '62.

Significance of the liquid retention test in pneumoconiosis. A. I. Levin. Vrach, delo no. 1:138-140 Ja '63.

Urine composition in healthy highly productive cows and in cows with metabolic disorders of the alimentary toxic type. T. V. Shakhova. Veterinariia 37 no. 7:61-65 Ji '60.

URINE—INCONTINENCE

Treatment of nightly urinary incontinence in children. G. M. TSistina. Zdrav. Kazakh. 22 no. 11:43-46 '62.

UROGENITAL ORGANS see Genitourinary organs

UROLOGY

Dukhanov, A. A. [Pediatric urology] Urologia detskogo vozrasta. [Leningrad] Medgiz, 1961. 254 p. (DNLM)

URSA MAJOR

Treasures of the Great Dipper. F. I. U. Zigel', Znan. -sila 37 no. 12:18-19 D '62.

URUP VALLEY—PHYLLITE

On the Devonian age of phyllite slates of the Urup River basin (Northern Caucasus). G. D. Afanas'ev, N. P. Lupanova, V. V. Sviridov. Dokl. AN SSSR 148 no. 2:397-399 Ja '63.

USSURIYSK—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Skilled worker. A. Dmitriyenko. Avi. transp. 41 no. 1:7 Ja '63.

UST'-KAMENOGORSK—EDUCATION—EXHIBITIONS

With their own hands. D. I. Balk. Vest. vys. shkoly 21 no. 2:88-70 F '63.

UST'-KAMENOGORSK—PRECAST CONCRETE CONSTRUCTION

... And this is what hinders them. Nar. khoz. Kazakh. 20 no. 11:57 N '62.

That is how they build in Ust'-Kamenogorsk... Nar. khoz. Kazakh. 20 no. 11:64-57 N '62.

UST'-LABINSK DISTRICT—AGRICULTURAL ADMINISTRATION

Farmers in Ust'-Labinsk, keep your word! Agitator no. 5:43-46 Mr '63.

UTERUS—BLOOD SUPPLY

Benediktov, L. I. [Blood circulation and temperature of the uterus in some physiological and pathological states of the organism] O krovosobraschenii i temperature v malke pri nekotorykh fiziologicheskikh i patologicheskikh sostoyaniyakh organizma. [Tomsk] Izd-vo Tomskogo univ., 1960. 128 p. (DNLM)

UTERUS—CANCER

(see also subdivision under Armenia)

Earliest results of the treatment of cancer of the cervix uteri. V. K. Poldenko, V. I. Kulakov. Nauch. trudy Chetv. Mosk. gor. klin. boln. no. 1:320-325 '61.

Presence of hyaluronidase in the cancerous tumors of the cervix uteri and methods for its determination. N. M. Allamazan. Vop. rent. ionk. 6:303-312 '61.

UTERUS—HEMORRHAGE see Hemorrhage, Uterine

UTERUS—MOTILITY

Effect of calcium chloride on the blood picture and the contractile activity of the uterus in cows [in Armenian with summary in Russian]. A. O. Manasian, A. S. Grigorian. Izv. Glav. upr. sel. khoz. nauk i podgot. kad. Arm. SSR 5 no. 11:87-95 '62.

UTERUS—SURGERY

Earliest results of the treatment of cancer of the cervix uteri. V. K. Poldenko, V. I. Kulakov. Nauch. trudy. Chetv. Mosk. gor. klin. boln. no. 1:320-325 '61.

UZBEK LITERATURE—BIBLIOGRAPHY see Bibliography—Uzbek literature

UZBEK STUDIES—BIBLIOGRAPHY see Bibliography—Uzbek studies

UZBEKISTAN—ADMINISTRATION AND POLITICAL DIVISIONS

Strengthening friendship among fraternal nations. L. Karashev. Part. zhizn' Kazakh. 33 no. 2:13-17 F '63.

UZBEKISTAN—AGRICULTURE

Winter is also the time of hard work. K. TSikanov. Uzbekiston 22 no. 1:1, 9 Ja '63.

UZBEKISTAN—AGRICULTURISTS

How we trained agronomists and machinery operators for the state farms and machine-tractor stations of Uzbekistan, 1929-1932. A. Nurullayev. Obshchestv. nauki v Uz. 6 no. 12:38-41 '62.

UZBEKISTAN—ARCHITECTURE

Present-day trends in the architecture of Uzbekistan. V. M. Dmitriyev, V. A. Nil'sen. Obshchestv. nauki v Uz. 6 no. 12:14-19 '62.

UZBEKISTAN—BRUCELLOSIS—PREVENTIVE INOCULATION

Vaccination of farm animals against brucellosis on collective and state farms of the Uzbek S. S. R. N. V. Sofronov. Trudy Uz. nauch. -issl. inst. vet. 14:73-80 '61.

UZBEKISTAN—BRUCELLOSIS IN CATTLE

Use of some antibiotics and biologicals against brucellosis in animals. Report No. 1. M. M. Sataev. Trudy Uz. nauch. -issl. inst. vet. 14:65-69 '61.

UZBEKISTAN—CALVES—DISEASES AND PESTS

Etiology of pneumonia in calves. Report No. 1. F. D. Lukasenko. Trudy Uz. nauch. -issl. inst. vet. 14:9-15 '61.

Testing antibiotics and sulfadimazine in the paratyphoid fever of calves. F. D. Lukasenko. Trudy Uz. nauch. -issl. inst. vet. 14:21-25 '61.

UZBEKISTAN—CATTLE—DISEASES AND PESTS

Immunization of cattle against piropneumonia and Francisella infection. Report No. 1. P. N. Li. Trudy Uz. nauch. -issl. inst. vet. 14:101-112 '61.

Materials on cattle trichomoniasis in Uzbekistan. S. P. Belakov. Trudy Uz. nauch. -issl. inst. vet. 14:207-218 '61.

Methods and prospects for the control of Hemosporidia infection of cattle in Uzbekistan. P. N. Li, K. A. Arifdzhonov. Trudy Uz. nauch. -issl. inst. vet. 14:125-134 '61.

UZBEKISTAN—CATTLE—FEEDING AND FEEDS

Barrenness of cattle in irrigated and unirrigated zones of Uzbekistan and its prophylaxis. S. P. Belakov. Trudy Uz. nauch. -issl. inst. vet. 14:217-229 '61.

UZBEKISTAN—CESTODA

Methods of clinical imaginal diagnosis of Moniezia, Thysanotria and Avittolina infections of sheep and goats under field conditions. I. A. D. Nikol'skii. Trudy Uz. nauch. -issl. inst. vet. 14:161-164 '61.

Simplified method of microscopic diagnosis of Moniezia infection in sheep and goats. I. A. D. Nikol'skii. Trudy Uz. nauch. -issl. inst. vet. 14:165-168 '61.

UZBEKISTAN—COLLECTIVE FARMS

Blackballed. Uzbekiston 22 no. 1:23-24 Ja '63.

UZBEKISTAN—COLLECTIVE FARMS—INCOME DISTRIBUTION

Important stimulus for increasing labor productivity on collective farms. T. Mazitova. Nar. khoz. Uz. 4 no. 12:47-50 D '62.

These are the benefits derived from supplementary wages. I. A. Gumonnyl. Nar. khoz. Uz. 4 no. 12:51-54 D '62.

UZBEKISTAN—COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES

Important stimulus for increasing labor productivity on collective farms. T. Mazitova. Nar. khoz. Uz. 4 no. 12:47-50 D '62.

UZBEKISTAN—COMMERCE

Uzbekistan in foreign trade. Kh. Bogdanov. Vnesh. torg. 42 no. 1:31-34 '63.

UZBEKISTAN—COMMUNICABLE DISEASES—RESEARCH

The most important results of the research activity of Uzbekistan scientists in the realm of infectious pathology for 1959-1960. I. K. Musabaev, I. E. Kocherovskii. Nauch. trudy uch. i prak. vrach. Uz. no. 3:5-11 '62.

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Industrial principle in the structure of party organizations. G. Zhdanov, V. Nazernov. Komm. Uz. 35 no. 1:35-44 Ja '63.

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

The Ninth Congress of the Communist Party of Uzbekistan. Komm. Uz. 34 no. 12:74-79 D '62.

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Party news. Part. zhizn' [Uzb.] 6 no. 1.

UZBEKISTAN—COMMUNIST YOUTH LEAGUE

New standards of Lenin's Communist Youth League. M. Ibragimov. Part. zhizn' [Uzb.] 6 no. 1:21-27 Ja '63.

UZBEKISTAN—CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

Follow the policy of comprehensive mechanization. K. Medvedev, P. Kondakov. Nar. khoz. Uz. 4 no. 12:67-71 D '62.

UZBEKISTAN—COOPERATIVE SOCIETIES

Economic efficiency of consumers' cooperatives in Uzbekistan. I. Abduraimov. Obshchestv. nauki v Uz. 6 no. 12:20-27 '62.

UZBEKISTAN—COTTON GROWING—STUDY AND TEACHING

Use of educational technological maps. G. Urvantsev. Prof. i tekhn. obr. 20 no. 2:10-12 F '63.

UZBEKISTAN—COWS—FEEDING AND FEEDS

Role of vitamin and mineral deficiencies in the etiology of dyspepsia in newborn calves. A. A. Alekseeva. Trudy Uz. nauch. -issl. inst. vet. 14:189-196 '61.

UZBEKISTAN—DELIVERY OF GOODS

Unnecessary mediation in business relations and payments. I. A. Kovalevichuk. Nar. khoz. Uz. 4 no. 12:76-78 D '62.

UZBEKISTAN—DODDER—TOXICOLOGY

Clinical and pathologic-anatomical changes in horses after poisoning with dodder. F. F. Pergat, A. G. Stoliarova. Trudy Uz. nauch. -issl. inst. vet. 14:239-247 '61.

UZBEKISTAN—ECONOMIC CONDITIONS

For the glory of our beloved homeland. Uzbekiston 22 no. 1:2 Ja '63.

The 40th anniversary of the establishment of the U.S.S.R. M. A. Akhunova. Obshchestv. nauki v Uz. 6 no. 12:7-13 '62.

The great fraternity. I. A. Nasriddinova. Nar. khoz. Uz. 4 no. 12:12-23 D '62.

In the close-knit family of Soviet peoples. A. Ishanov. Komm. Uz. 34 no. 12:17-24 D '62.

A year of great achievements. N. Saradzheva. Part. zhizn' [Uzb.] 6 no. 1:10-16 Ja '63.

UZBEKISTAN—ECONOMIC POLICY

An important landmark in the struggle for communism. Part. zhizn' [Uzb.] 6 no. 1:3-9 Ja '63.

Increase the role and scientific standards of planning. Nar. khoz. Uz. 4 no. 12:34-36 D '62.

Toward new achievements in the fifth year of the seven-year plan. Komm. Uz. 35 no. 1:25-35 Ja '63.

UZBEKISTAN—EFFICIENCY, INDUSTRIAL

Those who are at the forefront; from the history of the movement for communist labor. I. U. Bagdasarov. Komm. Uz. 34 no. 12:33-38 D '62.

UZBEKISTAN—ENGINEERING GEOLOGY

Studies in hydrogeology and engineering geology during 25 years. N. A. Kenesarin, M. M. Krylov, G. A. Maylanov. Uzb. geol. zhur. 6 no. 6:57-63 '62.

UZBEKISTAN—FARM MECHANIZATION

How we trained agronomists and machinery operators for the state farms and machine-tractor stations of Uzbekistan, 1929-1932. A. Nurullayev. Obshchestv. nauki v Uz. 6 no. 12:38-41 '62.

UZBEKISTAN—FOOT-AND-MOUTH DISEASE

Type of the foot-and-mouth disease virus in Uzbekistan. K. A. Arifdzhonov. Trudy Uz. nauch. -issl. inst. vet. 14:7-8 '61.

UZBEKISTAN—GAS, NATURAL—GEOLOGY

Twenty-five years of studying oil and gas geology in the Academy of Sciences of the Uzbek S.S.R. A. M. Akramkhodzhaev, A. G. Babaev, Uzb. geol. zhur. 6 no. 6:52-56 '62.

UZBEKISTAN—GEOCHEMISTRY

History of mineralogical studies in the Institute of Geology. A. S. Uklonskii and others. Uzb. geol. zhur. 6 no. 6:40-44 '62.

UZBEKISTAN—GEOLOGICAL RESEARCH

Twenty-fifth anniversary of the Institute of Geology of the Academy of Sciences of the Uzbek S.S.R. Uzb. geol. zhur. 6 no. 6: 7-24 '62.

UZBEKISTAN—GEOLOGY

Development of petrology, metallogeny, and research in ore deposits. I. Kh. Khamrabaev, A. B. Batalov, A. A. Kustarnikova. Uzb. geol. zhur. 6 no. 6:33-39 '62.

Development of studies in stratigraphy, tectonics, and areal geology. M. A. Akhmedzhanov and others. Uzb. geol. zhur. 6 no. 6:25-32 '62.

UZBEKISTAN—GEOLOGY, ECONOMIC

Development of studies in the field of lithology and sedimentary minerals. N. P. Petrov, P. A. Chistiakov. Uzb. geol. zhur. 6 no. 6:45-51 '62.

UZBEKISTAN—HANDICRAFT

In Uzbekistan; what causes the extinction of folk handicraft. M. Skorovarov. Mest. prom. i khud. promys. 3 no. 1:34-35 Ja '63.

UZBEKISTAN—HEMOSPORIDIA

Methods and prospects for the control of Hemosporidia infection of cattle in Uzbekistan. P. N. Li, K. A. Arifdzhonov. Trudy Uz. nauch. -issl. inst. vet. 14:125-134 '61.

UZBEKISTAN—HISTORICAL MUSEUMS

Museum of the History of Uzbekistan Peoples is preparing for the 45th anniversary of the Great October Revolution. IU, I. Glass. Obshchestv. nauki v Uz. 6 no. 12:72 '62.

UZBEKISTAN—HOOKWORMS

Invasion of sheep by Bunostomum trigonocephalum in the barn. F. S. Sarymsakov, I. A. D. Nikolskii. Trudy Uz. nauch. -issl. inst. vet. 14:169-175 '61.

UZBEKISTAN—HORSES—DISEASES AND PESTS

Clinical and pathologic-anatomical changes in horses after poisoning with doder. F. F. Pergat, A. G. Stoliarova. Trudy Uz. nauch. -issl. inst. vet. 14:239-247 '61.

UZBEKISTAN—INDUSTRIAL MANAGEMENT

Fixed assets of industrial enterprises and how to use them. P. Kaliakin, B. Fofanov. Komm. Uz. 35 no. 1: 85-71 Ja '63.

UZBEKISTAN—INDUSTRIAL ORGANIZATION

Specialization and cooperation of industrial enterprises. P. Kaliakin. Nar. khoz. Uz. 4 no. 12:56-61 D '62.

UZBEKISTAN—INDUSTRIAL PROCUREMENT

Unnecessary mediation in business relations and payments. I. A. Kovalerchuk. Nar. khoz. Uz. 4 no. 12: 76-78 D '62.

UZBEKISTAN—INDUSTRIES

Achievements of the year. Nar. khoz. Uz. 4 no. 12: 11, 24, 33, 37, 42, 55, 66, 72, 79, 83, 88. D '62.

The development level of the productive forces of Uzbekistan. A. Abduganiev, U. Mirzakhodzhaev, V. Osminin. Nar. khoz. Uz. 4 no. 12:25-32 D '62.

UZBEKISTAN—KARAKUL SHEEP

Develop a new breeding system for Karakul sheep. M. A. Koshevol, Zhivotnovodstvo 23 no. 5:57-62 My '61.

Institute controls breeding stations. A. M. Lysov, Zhivotnovodstvo 23 no. 7:58-62 Ji '61.

A wonderful example of service to agriculture. B. V. Grechin, N. G. Bashirova, Zhivotnovodstvo 23 no. 6: 80-84 Je '61.

UZBEKISTAN—KARAKUL SHEEP—DISEASES AND PESTS

Diagnosis of pneumonia in Karakul lambs. A. K. Sydykov. Trudy Uz. nauch. -issl. inst. vet. 14:47-53 '61.

UZBEKISTAN—LABOR PRODUCTIVITY

Make fuller use of possibilities for increasing labor productivity in our industry. B. Deslatchikov. Komm. Uz. 34 no. 12:39-46 D '62.

UZBEKISTAN—LAKES

Sky lakes. V. Kucherlavskiy. Uzbekiston 22 no. 1:22 Ja '63.

UZBEKISTAN—MANUFACTURES

Consumers' demand is the barometer of Soviet trade. A. Sarymsakov. Nar. khoz. Uz. 4 no. 12:73-76 D '62.

UZBEKISTAN—MINERALOGY

History of mineralogical studies in the Institute of Geology. A. S. Uklonskii and others. Uzb. geol. zhur. 6 no. 6:40-44 '62.

UZBEKISTAN—MOTION PICTURES—CONGRESSES

Talent triumphs over scheme. G. Mar'iamov. Isk. kino 33 no. 1:27-29 '63.

UZBEKISTAN—MUSICAL INSTRUMENTS

Second birth of the "dutar." Z. Ravshan. Uzbekiston 22 no. 1:12 Ja '63.

UZBEKISTAN—NATIONALITIES

In the close-knit family of Soviet peoples. A. Ishanov. Komm. Uz. 34 no. 12:17-24 D '62.

UZBEKISTAN—PARASITES—SHEEP

Methods of qualitative and quantitative microscopic analysis of helminth larvae in clinical diagnosis of helminthiasis in sheep. I. A. D. Nikolskii. Trudy Uz. nauch. -issl. inst. vet. 14:153-159 '61.

UZBEKISTAN—PARATYPHOID FEVER

Testing antibiotics and sulfonamides in the paratyphoid fever of calves. F. D. Lukashenko. Trudy Uz. nauch. -issl. inst. vet. 14:21-25 '61.

UZBEKISTAN—PETROLEUM GEOLOGY

Twenty-five years of studying oil and gas geology in the Academy of Sciences of the Uzbek S.S.R. A. M. Akramkhodzhaev, A. G. Babaev, Uzb. geol. zhur. 6 no. 6:52-56 '62.

UZBEKISTAN—PNEUMONIA

Diagnosis of pneumonia in Karakul lambs. A. K. Sydykov. Trudy Uz. nauch. -issl. inst. vet. 14:47-53 '61.

Effectiveness of some therapeutic measures against pneumonia in calves. F. D. Lukashenko. Trudy Uz. nauch. -issl. inst. vet. 14:17-19 '61.

Etiology of pneumonia in calves. Report No. 1. F. D. Lukashenko. Trudy Uz. nauch. -issl. inst. vet. 14:9-15 '61.

UZBEKISTAN—RELATIONS (GENERAL) WITH TURKMENISTAN

Fraternal cooperation between Uzbekistan and Turkmenistan. D. Rudzianskii. Komm. Uz. 34 no. 12:25-32 D '62.

UZBEKISTAN—RETAIL TRADE

Consumers' demand is the barometer of Soviet trade. A. Sarymsakov. Nar. khoz. Uz. 4 no. 12:73-76 D '62.

How to plan the turnover of goods. P. Volodin. Nar. khoz. Uz. 4 no. 12:84-87 D '62.

UZBEKISTAN—ROAD CONSTRUCTION

"Stability of earth roadbeds and pavements in regions with artificial irrigation" by IU, L. Motylev and others. Reviewed by L. N. Frenk. Avi. dor. 25 no. 8:31-32 Ag '62.

UZBEKISTAN—SOCCER

Sixth in the land. IU, Kevalov. Uzbekiston 22 no. 1:27 Ja '63.

UZBEKISTAN—SOCIAL GROUP WORK

Public participation in the work of cultural and educational institutions. Kh. Asietdinova. Komm. Uz. 35 no. 1:72-79 Ja '63.

UZBEKISTAN—SOCIAL SCIENCE RESEARCH

Scholarly research at the Department of Marxism-Leninism of the Institute of Electric Communication in Tashkent. L. A. Kulankhina. Obshchestv. nauki v Uz. 6 no. 12:71 '62.

UZBEKISTAN—STERILITY IN ANIMALS

Barrenness of cattle in irrigated and unirrigated zones of Uzbekistan and its prophylaxis. S. P. Beliakov. Trudy Uz. nauch. -issl. inst. vet. 14:217-229 '61.

UZBEKISTAN—TECHNICAL EDUCATION

Our business enterprises and farms need machinery operators and skilled workers. Kh. Kalanov. Komm. Uz. 35 no. 1:51-56 Ja '63.

Wise law in operation. T. A. Sarymsakov. Sred. spets. obr. 9 no. 12:5-7 D '62.

UZBEKISTAN—TEXTILE FIBERS—PACKAGING

This will save millions of rubles. P. Baldiuk. Nar. khoz. Uz. 4 no. 12:43-45 D '62.

UZBEKISTAN—TRADE UNIONS

Militant task of the trade unions in Uzbekistan. M. I. Uldasheva. Part. zhizn' [Uzb.] 6 no. 1:16-20 Ja '63.

UZBEKISTAN—TRICHOMONIASIS

Materials on cattle trichomoniasis in Uzbekistan. S. P. Beliakov. Trudy Uz. nauch. -issl. inst. vet. 14:207-216 '61.

UZBEKISTAN—TYPHOID FEVER

Data on early laboratory diagnosis of abdominal typhus under polyclinical conditions. M. Z. Leitman and others. Nauch. trudy uch. i prak. vrach. Uz. no. 3: 134-139 '62.

UZBEKISTAN—WATER, UNDERGROUND

Studies in hydrogeology and engineering geology during 25 years. N. A. Kenesari, M. M. Krylov, G. A. Mavlanov. Uzb. geol. zhur. 6 no. 6:57-63 '62.

UZBEKISTAN—WOMEN IN PUBLIC LIFE

The government, that's us. I. A. S. Nasriddinova. Rabotnitsa 40 no. 3:3 Mr '62.

UZBEKISTAN—WORMS, INTESTINAL AND PARASITIC

Methods of qualitative and quantitative microscopic analysis of helminth larvae in clinical diagnosis of helminthiasis in sheep. I. A. D. Nikolskii. Trudy Uz. nauch. -issl. inst. vet. 14:153-159 '61.

UZBEKS

"Origin of the Uzbek people" [in Uzbek] by B. Akhmedov. Reviewed by I. Nizamutdinov. Obshchestv. nauki v Uz. 6 no. 12:60-70 '62.

UZHGOROD—ARCHIVES

Archives of the city of Uzhgorod. M. V. Susannov. Vop. arkh. 7 no. 3:75-80 Ji-S '62.

VACATIONS, EMPLOYEE

Questions and answers. Okhr. truda i sot. strakh. 5 no. 12:40 D '62.

VACCINATION

Differentiation of cattle infected with brucellosis and healthy cattle inoculated with strain No. 19 vaccine. K. D. Darvishev. Trudy Uz. nauch. -issl. inst. vet. 14: 65-68 '61.

VACCINES

Anaphylactic properties of simple and complex associated vaccines [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11:135-140 '60.

Complex immunization of agricultural animals against anaerobic and aerobic infections. A. N. Burdov. Trudy VIEV 26:139-144 '62.

Data on the study of anthrax ultraviolet vaccine prepared from different strains of the fixed rabies virus. N. A. Piskareva. Trudy Len. inst. epid. i mikrobiol. 19: 173-181 '59.

Immunological characteristics of polyanatoxins and more complex associated multiantigen vaccines [with summary in English]. B. G. Trukhmanov. Trudy TomNIIVS 11: 121-134 '60.

Industrial method of preparing a dry antirabic vaccine inactivated by ultraviolet rays. N. A. Piskareva, N. A. Piskareva. Trudy Len. inst. epid. i mikrobiol. 19:163-172 '59.

Preparation of embryonal vaccine against spring and summer tick-borne encephalitis [with summary in English]. L. D. Ovchinnikova, N. I. Ponomarenko, N. A. Sonchik. Trudy TomNIIVS 11:250-254 '60.

Reecogenic and immunogenic properties of a live tissue measles vaccine. A. A. Smorodintsev and others. Trudy Len. inst. epid. i mikrobiol. 19:3-20 '59.

VACUUM

Viscosity of gases in a transient vacuum. R. S. Prasolov. Izv. vys. ucheb. zav.; prib. 6 no. 1:142-149 '63.

VACUUM APPARATUS

Automatic vacuum evaporating unit. A. V. Gavrilin. Mekh. i avtom. protzv. 17 no. 1:16-19 Ja '63.

VACUUM METALLURGY

Effect of the rate of metal flow during vacuum arc refining on the properties of heat-resistant alloys. A. M. Irinin, V. P. Grechin, N. M. Tuchkevich. Stal' 23 no. 2:133-135 F '63.

Gugelev, B. M. [High-temperature vacuum metallurgy for the investigation of heat-resistant materials] Primerenije vysokotemperaturnoi vakuumnoi metallografi dlia issledovaniia zharoprochnykh materialov. Pod red. E. E. Levina. Leningrad, 1962. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Metallovedenie i termicheskaya obrabotka, no. 7)

Improving the macrostructure of ShKh15 steel made in a vacuum arc furnace. G. N. Okorokov and others. Stal' 23 no. 1:30-34 Ja '63.

Kinetics and mechanism of desulfurizing slag of the system CaO - SiO₂ - Al₂O₃ in vacuum. V. A. Gri-gorian, IU, A. Minaev. Izv. vys. ucheb. zav.; chern. met. 6 no. 1:22-26 '63.

Smolenskii, M. I. A., and others. [Vacuum arc furnaces and electronic melting plants] Dugovye vakuumnye pechi i elektronnye plavi nye ustanovki. Moskva, Metallurgizdat, 1962. 210 p.

Urt'ev, V. P., and others. [Vacuum arc furnace] Dugovaya vakuumnaya pech', Leningrad, 1962. 25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Litelnoe proizvodstvo, no. 6)

VACUUM-TUBE VOLTMETER see Electron-tube voltmeter

VACUUM-TUBES Electron tubes

VAGUS NERVE

Effect of cardiac cancer of the stomach on the vagus nerves of the diaphragmatic region. V. G. Ivanova. Klin. khir. no. 12:54-57 D '62.

VAKHSH VALLEY—PERSIMMON

Vegetative reproduction of Japanese persimmon in the Vakhsh Valley. Z. M. Galvoronskaia. *Blul. Glav. bot. sada* no. 45:101-104 '62.

VALDAY DISTRICT—POLITICS AND GOVERNMENT

A standing committee and its helpers. L. Karpova. *Sov. deput. trud.* no. 3:46-50 Mr '63.

VALENCE (THEORETICAL CHEMISTRY)

Effect of valence variations on the K-emission spectrum of chromium. A. T. Shuvaev, G. M. Kulabin. *Izv. AN SSSR, Ser. fiz.* 27 no. 3:322-323 Mr '63.

Mutual electron acceptor linkage of conjugated aromatic systems. I. I. Grandberg, Zhur. ob. khim. 33 no. 2: 504-505 F '63.

VALK, SIGISMUND NATANOVICH, 1887-

To S. N. Valk on his 75th birthday. *Vest. LGU* 18 no. 2:158 '63.

VALVES

Spacing of air escape valves on pressure water conduits. V. S. Dikarevskii, A. A. Markin. *Tranap. stroit.* 12 no. 9:34-36 S '62.

VAN ALLEN RADIATION BELTS

Angular anisotropy of radiation in the earth's radiation belts. A. I. Ershovich, V. D. Pletnev. *Izv. AN SSSR, Ser. geofiz.* no. 10:1441-1445 O '62.

VANADIUM—ELECTROMETALLURGY

Thermodynamic calculation of the electrochemical characteristics of lower vanadium chlorides. S. I. Skliarenko, L. P. Ruzinov, I. U. Samson. *Zhur. neorg. khim.* 7 no. 12:2645-2652 D '62.

VANADIUM CHLORIDES

Thermodynamic calculation of the electrochemical characteristics of lower vanadium chlorides. S. I. Skliarenko, L. P. Ruzinov, I. U. Samson. *Zhur. neorg. khim.* 7 no. 12:2645-2652 D '62.

VANADIUM IN THE BODY

Vanadium content in the blood of *Ascidella aspersa*. V. V. Koval'skii, L. T. Rezaeva. *Dokl. AN SSSR* 148 no. 1:238-240 Ja '63.

VANADIUM-IRON-COBALT ALLOYS see Iron-cobalt-vanadium alloys

VANADIUM OXIDES

Interaction of uranium oxides with vanadium and niobium oxides. L. M. Kovba, Van Shi-khua [Wang Shih-hua]. E. I. Siroikina. *Dokl. AN SSSR* 148 no. 1:113-115 Ja '63.

VANCH RANGE—LOELLINGITE

Discovery of loellingite in the Vanch Range (western Pamirs). S. A. Morozov. *Dokl. AN Tadzh. SSR* 3 no. 5:29-31 '60.

VANGOUVER—STRIKES AND LOCKOUTS—MERCHANT SEAMEN

Police dogs are used against Canadian workers. Carl Erickson. *Veem. prof. dvizh.* no. 2:38-39 F '63.

VANDALS see subdivision under Africa, North

VANEV, ANATOLI ALEKSANDROVICH, 1872-1899

A life devoted to the revolution. N. V. Cherepnin. *Vop. ist. KPSS* 7 no. 1:95-97 Ja '63.

VANOVSKIY—PETROLEUM INDUSTRY—TECHNOLOGICAL INNOVATIONS

In the struggle for the new and progressive. D. Shernatova. *Part. zhizn'* [Uzb.] 6 no. 1:61-64 Ja '63.

VAPOR-LIQUID EQUILIBRIUM

Experimental study of the gaseous phase formation process in metallic melts. S. I. Filippov, M. G. Krasheninnikov, I. I. Ioffe. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 1:8-16 '63.

VAPOR PRESSURE

Determination of vapor pressure of anhydrous solid chlorides of yttrium and samarium. A. S. Pashinkin and others. *Zhur. neorg. khim.* 7 no. 12:2811-2813 D '62.

VARIATION (BIOLOGY)

Characteristics of clinal variations of the sparrow hawk. E. N. Kurochkin. *Ornitologiya* no. 5:414-425 '62.

Precursors of amino acids as mutagens. I. A. Rapoport. *Dokl. AN SSSR* 147 no. 5:1193-1195 D '62.

VASIL'YEVKA DISTRICT—COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES

What benefits were derived from reducing the administrative apparatus. P. I. A. Sadovoi. *Uchat i fin. v kolhoz. i sovkh.* 20 no. 1:34 Ja '63.

VASODILATORS

"Coronary vasodilators" by R. Charlier. Reviewed by N. V. Kaverina, I. E. Kisin. *Vest. AMN SSR* 18 no. 1: 87-88 '63.

Treatment of stenocardia patients with the preparation erinit [with summary in English]. V. E. Murashko. *Vrach. delo* no. 11:25-28 N '62.

VATICAN COUNCIL, 1962-

The Catholic Church faces human problems. I. Kichanova. *Nauka i rel.* 4 no. 1:33-38 Ja '63.

On the second Vatican Council. A. Kazem-Bek. *Zhur. Mosk. Patr.* no. 1:72-76 Ja '63.

Religion and church abroad. *Nauka i rel.* 4 no. 1:44-45 Ja '63.

Under the pressure of the demands of life. P. Kolonitskii. *Nauka i rel.* 4 no. 1:37-40 Ja '63.

VATICAN COUNCIL, 1963-

Position of kind attention. A. Vedernikov. *Zhur. Mosk. Patr.* no. 2:62-64 F '63.

VAILOV, NIKOLAI IVANOVICH, 1887-1942

Grum-Grzhinalo, A. G. [In search of the plant resources of the world; some scientific results of Academician N. I. Vavilov's travels] V poiskakh rastitel'nykh resursov mira; nekotorye nauchnye itogi putesthestvii akademika N. I. Vavilova. Moskva, Izd-vo Akad. nauk SSSR, 1962. 147 p. (Akademiya nauk SSSR. Nauchno-populiarnaya seriya)

In memory of Academician N. I. Vavilov. *Vest. AN SSSR* 33 no. 2:131-132 F '63.

VECTOR ANALYSIS

Conditions for the completeness of a system of eigenvectors of a correct operator. I. U. L. Likhich. *Usp. mat. nauk* 18 no. 1:165-171 Ja-F '63.

Distribution of the modulus of the wind vector. A. S. Marchenko. *Meteor. i gidrol.* no. 2:15-20 F '63.

VEGA CARPIO, LOPE FELIX de, 1562-1635

Four-hundredth anniversary of the birth of Lope de Vega. *Vest. AN SSSR* 33 no. 2:132 F '63.

VEGA CARPIO, LOPE FELIX de, 1562-1635—BIBLIOGRAPHY see Bibliography—Vega Carpio, Lope Felix de, 1562-1635

VEGETABLE GARDENING

(see also subdivision under Central Chernozem region; Mongolia; Voronezh)

Brzgalov, V. A., and K. N. Veresov. [Vegetable gardening] Ovoshevodstvo. Leningrad, Sel'khozizdat, 1962. 343 p. (Uchebniki i uchebnye posobie dlia sel'skokhoziaistvennykh tekhnikumov)

Edel'shtein, V. I. [Vegetable gardening] Ovoshevodstvo. 3., perer. izd. Moskva, Sel'khozizdat, 1962. 439 p. (DNAL)

Shnikov, A. A. [Five hundred and sixty-six containers of vegetables per hectare] 566 tsemtnerov ovoshchei s gektara. Moskva, Sel'khozizdat, 1962. 22 p. (DNAL)

Using various types of peat for preparing peat-human pots [with summary in English]. V. I. Bakusheva. *Nauch. trudy Sev.-zap. nauch.-issl. inst. sel'khoz.* no. 1:51-71 '60.

VEGETABLES

Effect of succinic and fumaric acids on the growth, development, and yield of radishes and cucumbers. L. V. Gavrilova. *Blul. Glav. bot. sada* no. 45:98-101 '62.

Saburov, N. V., and N. V. Antonov. [Storing and processing fruit and vegetables] Khranenie i pererabotka plodov i ovoshchei. Moskva, Sel'khozizdat, 1962. 446 p. (Uchebniki i uchebnye posobie dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

VEGETABLES—STORAGE

(see also subdivision under Ukraine)

From harvest to harvest. A. Vasil'ev. *Sov. torg.* 36 no. 1:10-22 Ja '63.

Storage of garlic and onions in refrigerators. V. Ere-menko. *Sov. torg.* 35 no. 9:48-49 S '62.

VEGETABLES, CANNED

New types of canned vegetables. A. N. Cheishvili. *Kons. i ov. prom.* 18 no. 2:16-18 F '63.

VEGETATION AND CLIMATE see subdivision under Terskol' Ala-Tau

VEL'AMINOV, NIKOLAI ALEKSANDROVICH, 1855-1920

"N. A. Vel'aminov" by V. M. Korneev. Reviewed by A. I. Drevina. *Vest. khir.* 80 no. 11:145-146 N '62.

"N. A. Vel'aminov" by V. M. Korneev. Reviewed by V. Ch. Brzheskii. *Klin. khir.* no. 12:73-79 D '62.

"N. A. Vel'aminov" by V. M. Korneev. Reviewed by V. I. Mikhelkin. *Zdrav. Ros. Feder.* 7 no. 1:39-40 Ja '63.

VENA CAVA—ABNORMALITIES AND DEFORMITIES

Stenosis of vena cava superior [in Georgian with summary in Russian]. G. D. Isellani, G. D. Pagnava. *Trudy Inst. i klin. khir. i gemat. AN Gruz. SSR* 10:119-126 '62.

VENDING MACHINES

Sanitary and technical requirements of vending machines. F. Miroshnik, G. Petrov. *Sov. torg.* 35 no. 1:51 Ja '63.

What's good and what's bad. N. Vaks. *Raspr. pech.* no. 12:12-13 D '62.

VENEREAL DISEASES

Il'in, I. I. [Nongonococcal venereal urethritis in men] Nagonokkovye venericheskie uretrit'y u muzhchin. [Leningrad] Medgiz, 1962. 215 p. (Biblioteka prakticheskogo vracha) (DNLM)

VENEZUELA—FOREIGN RELATIONS—UNITED STATES

Why Betancourt went to the United States? P. Shiblin. *Nov. vrem.* 20 no. 11:26-27 Mr '63.

VENEZUELA—POLITICS AND GOVERNMENT

Why Betancourt went to the United States? P. Shiblin. *Nov. vrem.* 20 no. 11:26-27 Mr '63.

VENICE—MOTION-PICTURE FESTIVALS

Venice, 1962. D. Pisarevskii. *Isk. kino* 33 no. 1:125-137 '63.

VENTILATION

Akademiya budimystva i arkhitektury URSS. Nauchno-issledovatel'skii institut sanitarnoi tekhniki i oborudovaniia zdani i sooruzhenii. [Heating, ventilation, and air conditioning systems] Sistemy otopeniia, ventilatsii i konditsionirovaniia. Pod obshchei red. B. N. Lobova. Kiev, Gosstroizdat USSR, 1962. 86 p.

[Handbook on heating and ventilation in residential and public buildings] Spravochnik po teplosnabzheniiu i ventilatsii v grazhdanskom stroitel'stve. [By] R. V. Shchekhn i dr. 2. izd., perer. i dop. Kiev, Gos. izd-vo lit-ry po stroit. i arkhitekt. USSR, 1962. 1019 p.

Useful to know. *Okhr. truda i sots. strakh.* 6 no. 2:46 F '63.

VENUS (PLANET)

High-resolution radio-astronomical observations of Venus. D. V. Korol'kov and others. *Dokl. AN SSSR* 149 no. 1:65-67 Mr '63.

VENUS (PLANET)—SPECTRA

Studying the atmosphere of Venus by optical methods. G. V. Rozenberg. *Dokl. AN SSSR* 148 no. 2:300-302 Ja '63.

VERDI, GIUSEPPE, 1813-1901

Leonovskaya, T. N. [G. Verdi's "La Traviata"] "Traviata" Dzh. Verdi. Moskva, Moskva, Muzgiz, 1962. 63 p. (Putevoditel' po operam)

VERESHCHAGIN, NIKOLAI KONSTANTINOVICH, 1893-1962

Professor Nikolai Konstantinovich Vereshchagin (1893-1962); his life and scientific activity. *Fiziol. zhur.* 48 no. 12:1531-1532 D '62.

VERKHNE-DNEPROVSK DISTRICT—FINANCE

There should be no indifferent workers. G. Poddubtsev. *Fin. SSR* 37 no. 2:14-15 F '63.

VERKHNE-DNEPROVSK DISTRICT—INDUSTRIAL MANAGEMENT

There should be no indifferent workers. G. Poddubtsev. *Fin. SSR* 37 no. 2:14-15 F '63.

VERKHOLENSK REGION—FOLK POETRY, BURYAT

Materials on the oral folk poetry of the Buryats in the Verkholensk region. P. T. Khatpava. *Etn. sbor.* no. 2:98-105 '61.

VERKHOLENSK REGION—MARRIAGE CUSTOMS AND RITES

Lyrical wedding songs in the Verkholensk region. I. Z. Iarnevskii. *Etn. sbor.* no. 2:106-114 '61.

VERKHOFYANSK RANGE—MINERALOGY

Kossovskaya, A. G. [Mineralogy of the terrigenous Mesozoic complex of the Vilyuy Lowland and western Verkhofyansk Range] Mineralogiia terrigenogo mezozoiskogo kompleksa Viliuiskoi vpadiny i Zapadnogo Verkhofan'ia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 203 p. (Akademiya nauk SSSR. Geologicheskii institut. Trudy, no. 63)

VERMICULITE

Mironov, B. P. [Inclined tubular kiln for burning vermiculite] Trubchataya naklonnaya pech' dlia obzha vermiculita. Leningrad, 1962. 12 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 23) Sorption of microquantities of strontium and cesium by vermiculite. V. M. Nikolaev, V. F. Bagretsov, V. M. Lebedev. *Radiochimia* 5 no. 1:32-37 '63.

VERNADSKII, VLADIMIR IVANOVICH, 1863-1945—BIBLIOGRAPHY see Bibliography—Vernadskii, Vladimir Ivanovich, 1863-1945

VERTEBRATES

Shilov, I. A. [Laboratory manual on the ecology of terrestrial vertebrates] Praktikum po ekologii nazemnykh pozvonochnykh zhivotnykh. Moskva, Gos. izd-vo "Vysshaya shkola," 1961. 146 p.

VERTEBRATES—ANATOMY

Anatomy of cardiac veins in some vertebrates. V. A. Kornichuk. *Sbor. nauch. trud. Vin. der. med. inst.* 18 no. 2:3-5 '68.

- VERTEBRATES — ANATOMY (Continued)**
Anatomy of wrist veins in some vertebrates. G. V. Terent'eva. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:6-11 '58.
Valves of veins in the visceral portion of the head of some vertebrates. E. M. Kievskaya. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:72-80 '58.
Veins of the visceral portion of the head in some vertebrates. E. M. Kievskaya. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:23-39 '58.
- VERTEBRATES, FOSSIL**
"In the world of ancient animals; essays on the paleontology of vertebrates" by I. A. Orlov. Reviewed by A. A. Yakovlev. Biol. v shkole no. 5:82-93 S-O '62.
- VESELOVSKII, ALEKSANDR NIKOLAEVICH, 1838-1906**
Problems of the theory and history of folklore in the works of A. N. Veselovskii of the late 18th and early 20th centuries. V. E. Gusev. Rus. fol'k. 7:217-240 '62.
- VESTFOLD HILLS, ANTARCTICA—ROCKS—TESTING**
Physical properties of the rocks of the Vestfold Hills and their geological interpretation. P. S. Voronov, A. M. Karasik. Inform. biul. Sov. antark. eksp. no. 33: 10-14 '62.
- VETCH** see subdivision under Glubokoye Lake region (Moscow Province); Katardino-Balkar A. S. S. R.
- VETCHLING**
Content of vitamin B₂ and B₁₂ in vetchling root tubercles. A. I. Garkavenko. Izv. AN Mold. SSR no. 7:20-24 '62.
Proteins and nonprotein nitrogen containing substances in the seeds and green bulk of some vetchling species. V. G. Klimenko, I. U. A. Gofman, T. A. Baranova. Trudy po khim. prirod. seed. no. 3:27-39 '60.
- VETERINARY COLLEGES** see subdivision under Budapest; Kuz'minki (Moscow Province); Moscow
- VETERINARY EMBRYOLOGY**
Amino acids and protein of the allantoic and amniotic fluids. N. Pecherakikh. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:201-203 '62.
Effect of substituting hydrolysis yeast for fish meal in rations for pregnant sows on the embryonic development of baby pigs. I. Ismailov. Zhivotnovodstvo 23 no. 6:32-33 Je '61.
- VETERINARY HEMATOLOGY**
Effect of terramycin and grisein on some blood indices in calves. I. I. Shmygin. Veterinarlia 38 no. 10:78-80 O '61.
- VETERINARY HYGIENE—EQUIPMENT AND SUPPLIES** (see also subdivision under Soviet Central Asia)
Circular shower bath for animals. G. I. A. Iakushin. Veterinarlia 37 no. 7:81 JI '60.
- VETERINARY HYGIENE—STUDY AND TEACHING**
"Methods of conducting class work and a collection of topics in veterinary hygiene" by V. A. Alkaev. Reviewed by L. K. Danilov. Veterinarlia 37 no. 11: 92-93 N '60.
- VETERINARY INSTRUMENTS AND APPARATUS**
Device for injections. A. A. Shilov. Veterinarlia 38 no. 10:62-63 O '61.
Experience with [Shilov's] device for injections. S. V. Lopatin. Veterinarlia 38 no. 10:63 O '61.
Portable apparatus for producing aerosols and their use in veterinary medicine. N. A. Cherezhnev. Veterinarlia 37 no. 7:78-80 JI '60.
- VETERINARY LABORATORIES** see subdivision under Bryansk; Ryazan
- VETERINARY MATERIA MEDICA AND PHARMACY**
Comparative evaluation of the effectiveness of some medicinal substances in treating smallpox of the udder in cows. V. Sokolov. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:187-189 '62.
Comparative evaluation of the prophylactic characteristics of antricyde, pyralidin, berenil and tryptoflavine in cattle piroplasmosis. Trudy Uz. nauch. -issl. inst. vet. 14:139-142 '61.
Comparative evaluation of the prophylactic characteristics of antricyde, pyralidin, berenil and tryptoflavine in Francisella infection of cattle. T. Kh. Khashimov. Trudy Uz. nauch. -issl. inst. vet. 14:143-146 '61.
Drying immune serums by the method of dispersion. E. E. Nikitin. Veterinarlia 37 no. 11:52-54 N '60.
Medicinal properties of corn juice treated with phytoncides. M. B. Razumovich. Zhivotnovodstvo 23 no. 8: 65-66 Ag '61.
- VETERINARY MEDICINE** (see also subdivision under Armenia; Kazakhstan; Kotovskoye District, Moldavia; Lugansk Province; Lyubertsk District, Moscow; Moscow Province; Moscow region; Omsk Province; Strasheny District; Vietnam, North; Virgin Territory)
Antibiotics in veterinary medicine. V. I. Mutovin. Veterinarlia 38 no. 10:81-88 O '61.
Complex immunization of agricultural animals against anaerobic and aerobic infections. A. N. Burdov. Trudy VIEV 26:139-144 '62.
- From local clinical practice. I. D. Medvedev. Veterinarlia 37 no. 11:67-72 N '60.
Further improvement of veterinary service in the animal husbandry of the R. S. F. S. R. V. E. Shishkov. Veterinarlia 37 no. 7:5-9 JI '60.
In the Ministry of Agriculture of the U. S. S. R. Veterinarlia 37 no. 7:91-92 JI '60.
In the Soviet Union. N. A. Kolabskii and others. Veterinarlia 37 no. 7:92-96 JI '60.
Information and brief news. P. S. Okun'kov. Veterinarlia 37 no. 11:95-98 N '60.
Information and brief news. Veterinarlia 38 no. 10:93-96 O '61.
"Organization of veterinary service in some foreign countries" by I. A. R. Kovalenko and A. A. Petukhovskii. Reviewed by N. M. Nikol'skii. Veterinarlia 38 no. 10: 91 O '61.
Pasteurellosis in farm animals; based on materials received by the editors. N. M. Nikiforova. Veterinarlia 37 no. 7:45-48 JI '60.
Toward new triumphs. Veterinarlia 37 no. 11:5-10 N '60.
Urgent tasks for veterinarians. Veterinarlia 38 no. 10: 5-11 O '61.
- VETERINARY MEDICINE—ABSTRACTS**
[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. nos. 1-2, 4-8 Ja-Mr '63.
- VETERINARY MEDICINE—BIBLIOGRAPHY** see Bibliography—Veterinary medicine
- VETERINARY MICROBIOLOGY**
"Veterinary microbiology" by M. V. Revo and M. D. Zhukova. Reviewed by K. P. Chepurov and others. Veterinarlia 37 no. 7:87-89 JI '60.
- VETERINARY OBSTETRICS**
Use of vitamins A and D₂ as an important hygienic condition for the birth of a litter of baby pigs. A. I. Karal'm. Trudy VIEV 26:228-235 '62.
- VETERINARY PHYSIOLOGY**
Growth and development of farm animals (to be continued). P. D. Pashenichnyi. Zhivotnovodstvo 23 no. 8:28-31 Je '61.
Use of iodized sodium chloride in animal husbandry. A. P. Onegov. Veterinarlia 37 no. 7:69-71 JI '60.
- VETERINARY RESEARCH** (see also subdivision under Siberia)
Information and brief news. Veterinarlia 38 no. 10:93-96 O '61.
Objectives of the State Scientific Control Institute for Veterinary Preparations of the Ministry of Agriculture of the U. S. S. R. S. G. Kolesov. Veterinarlia 38 no. 10:14-16 O '61.
Tasks of veterinary science in the light of the program of the building of communism. I. V. Orlov. Veterinarlia 38 no. 10:12-14 O '61.
- VETERINARY SURGERY**
Specific characteristics of the reactivity of the organism of cattle in surgical pathology. S. M. Mart'ianov. Veterinarlia 37 no. 11:80-84 N '60.
- VETERINARY TOXICOLOGY**
Electrocapillarometrical determination of toxic chemicals in biological materials. A. V. Vasin, I. U. P. Kvitskin. Veterinarlia 37 no. 11:83-85 N '60.
- VIADUCTS**
Improved waterproofing of overpasses. I. A. N. Novikov, V. V. Galvan, F. M. Ivanov. Avt. dor. 25 no. 8:20-21 Ag '62.
Using high-strength claydite bitumen in constructing overpasses for motor-vehicle and electric-car traffic. G. P. Kurasova, Z. V. Freidina, V. E. Davydova. Avt. dor. 25 no. 8:13-15 Ag '62.
- VIBRATION**
Apparatus for demonstrating the addition of vibrations. V. F. Svetlichnyi. Fiz. v shkole 22 no. 6:54-55 N-D '62.
Distribution of the vibrational energy of source-produced molecules. A. I. Osipov. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:41-45 Mr-Apr '62.
Free vibrations of a structure on braces. V. A. Charushin. Trudy TSNIISK no. 18:91-123 '62.
Forced vibrations of a shockproof object under random action. M. Z. Kozlovskii. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:3-11 Ja-F '63.
Steady vibrations of a system with a natural controlling force and under nonlubricated friction conditions. I. T. Borisenok. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:24-32 Ja-F '63.
Steady vibrations of the free surface of an infinite rectangular basin. S. V. Nesterov, G. N. Medvedev. Vest. Mosk. un. Ser. 3. Fiz., astron. 17 no. 2:24-28 Mr-Apr '62.
Using vibrational and operational methods and methods of integral equations in vibration problems. M. M. Dobrovolskii. Trudy Bria, tekhn. inst. 9:333-343 '60.
Vibrations of a nonlinear system filled with liquid and subject to random disturbances. N. A. Nikolaenko. Trudy TSNIISK no. 18:51-60 '62.
- VIBRATION—ELECTROMECHANICAL ANALOGIES**
Effect of the mass of a vibrating ground on a vibro-ramming process [with summary in English]. V. A. Gorokhov. Izv. vys. ucheb. zav. i radiofiz. 5 no. 6:1226-1232 '62.
- VIBRATION—MEASUREMENT**
New vibration-measuring instruments and stands. V. A. Reutov. Priboroostroenie no. 1:26-30 Ja '63.
- VIBRATION (MARINE ENGINEERING)**
Aleksaev, A. M., and A. K. Sborovskii. [Marine vibration dampers] Sudovye vibroispol'tell. Leningrad, Sudpromgiz, 1962. 193 p.
Unbalance of engines under the effect of shafts' torsional vibrations. A. B. Sakharov. Sudostroenie 20 no. 2:34-37 F '63.
- VIBRATORS**
Dynamics of a vibratory machine having a beam-type vibrating element. R. F. Nagayev. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:18-23 Ja-F '63.
Experimental studies of cophasal operation of several vibrators. L. N. Mincev. [Trudy] NI onn. no. 51:39-41 '62.
Experimental studies of pressing pipes through soil by means of vibration. L. N. Terenetskii. [Trudy] NI onn. no. 51:31-37 '62.
Investigating the mechanism of an automatic unbalanced vibrator. E. A. Agronovskaya. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:160-193 Ja-F '63.
Karpov, N. A. [Light vibratory machinery for track maintenance and repair; theory, design, construction, and testing] Legkie vibratsionnye putevye mashiny; teoriya, raschet, konstruirovaniye i ispytaniya. Moskva, Vses. izdatel'sko-poligr. ob'edineniye M-va soobshch. nika, 1962. 311 p. (Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no. 245)
Laboratory vibrating tables. M. G. Khachikan. Izv. AN Arm. SSR, Ser. tekhn. nauk 15 no. 6:59-60 '62.
Phase trajectories of a vibrator near the boundaries of the stability region. S. S. Korabiev. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinostr. no. 1:104-106 Ja-F '63.
A self-propelled electric vibratory compactor for concrete. E. Levin. Na stroi. Ros. 3 no. 2:9 F '62.
Symmetrical multicycle multivibrator. A. M. Dymshin. Trudy MAI no. 147:117-123 '62.
Theory of the surface compaction of soil. D. D. Barkan, O. I. A. Shekhter. [Trudy] NI onn. no. 51:5-26 '62.
- VIDYAPATI THAKURA, 15th cent.**
Lyric poetry by Vidyapati; characterization of the heroics. V. I. Bulin. Uch. zap. LGU no. 306:112-126 '62.
- VIETNAM, NORTH—ARCHAEOLOGY—PERIODICALS**
Archaeology in a Vietnamese historical journal. P. I. Borisovskii. Sov. arkh. 7 no. 1:312-314 '63.
- VIETNAM, NORTH—COST AND STANDARD OF LIVING**
Improving the material welfare of workers in the Democratic Republic of Vietnam. Nguyen Van Tao. Sots. trud. 8 no. 2:24-30 F '63.
- VIETNAM, NORTH—DESCRIPTION AND TRAVEL**
Visiting Vietnamese friends. V. Kovanov. Az. i Afr. seg. no. 3:32-34 Mr '63.
- VIETNAM, NORTH—ECONOMIC POLICY**
Economic subregions of the Democratic Republic of Vietnam. E. I. Lagutina. Uch. zap. LGU no. 315:94-116 '62.
- VIETNAM, NORTH—ECONOMIC ZONING**
Economic subregions of the Democratic Republic of Vietnam. E. I. Lagutina. Uch. zap. LGU no. 315:94-116 '62.
- VIETNAM, NORTH—VETERINARY MEDICINE**
Veterinary service in the Democratic Republic of Vietnam. Dao Van Chung, A. V. Merkushev. Veterinarlia 37 no. 7:82-83 JI '60.
- VIETNAM, SOUTH—ECONOMIC ASSISTANCE, AMERICAN**
The aggressive policy of the United States in Vietnam, 1945-1962 [with summary in English, p. 256]. I. M. Shekhodov. Nar. Az. i Afr. no. 1:50-59 '63.
- VIETNAM, SOUTH—POLITICS AND GOVERNMENT**
The flame of wrath. Le Trong-kim. Rab. i stal. 39 no. 1:6 Ja '63.
- VIETNAMESE LANGUAGE—ADJECTIVE**
Category of the adjective in the Vietnamese language. N. V. Stankevich. Uch. zap. LGU no. 305:43-50 '61.
- VIETNAMESE LANGUAGE—GRAMMAR**
Classification of the parts of speech in the Vietnamese language; words with mixed elements of nouns and predicates. I. S. Bystrov. Uch. zap. LGU no. 305:3-14 '61.
Words modifying nouns in the Vietnamese language. N. V. Stankevich. Uch. zap. LGU no. 305:30-42 '61.

VIETNAMESE LANGUAGE—INTONATION

Marks of syntagmas and phrase intonations in the Vietnamese language. M. V. Gordina, I. S. Bystrov. Uch. zap. LGU no. 305:15-28 '61.

VIETNAMESE LANGUAGE—VERB

Materials on the classification of verbs in the Vietnamese language. I. S. Bystrov. Uch. zap. LGU no. 306:54-62 '62.

Verbs of directional motion in the Vietnamese language. I. S. Bystrov. Uch. zap. LGU no. 306:48-53 '62.

VIGNA—VARIETIES

Variability in the content of protein and nonprotein nitrogen in the grain and green bulk of some Vigna varieties (Vigna Savil). V. G. Klimenko, O. B. Dremova. Trudy po khim. prirod. soed. no. 3:173-183 '60.

VILNIUS—ELECTRIC EQUIPMENT INDUSTRY—PRODUCTION STANDARDS

New role of the department of labor at the "Eifa" Plant. M. Stalevich. Sots. trud 8 no. 1:17-26 Ja '63.

VILNIUS—ELECTRIC EQUIPMENT INDUSTRY—TECHNOLOGICAL INNOVATIONS

On the right path. V. Shleikin, G. Zlatnikov. Sots. trud 8 no. 1:26-30 Ja '63.

VILNIUS—ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Outstanding innovator. V. S. Lukasov. Mashinostroitel' no. 1:6 Ja '63.

VILNIUS—GUIDEBOOKS

Macelka, J., and P. Gudynas. [Vilnius; city guidebook] Vilnius; putavoditel' po gorodu. Vilnius, Gos. izd-vo polti. i nauchn. lit-ry Litovskoi SSR, 1962, 389 p. [MICROFILM]

VILNIUS—SUGGESTION SYSTEMS

On the right path. V. Shleikin, G. Zlatnikov. Sots. trud 8 no. 1:26-30 Ja '63.

VIL'NYI, VOLODYMYR MYKYTOVYCH

"Your maturity; verse" by Volodymyr Vil'nyi. Reviewed by Iurii Burlai. Ukraina no. 1:16 Ja '63.

VILYUY LOWLAND—MINERALOGY

Korsovskaya, A. G. [Mineralogy of the terrigenous Mesozoic complex of the Vilyuy Lowland and western Verkhoyansk Range] Mineralogiya terrigonnogo mezozoiskogo kompleksa Viliuskoj vpadiny i Zapadnogo Verkhoyansk. Moskva, Izd-vo Akad. nauk SSSR, 1962, 203 p. (Akademiya nauk SSSR. Geologicheskii institut. Trudy, no. 63)

VILYUY RIVER—HYDROELECTRIC POWER STATIONS

Price of one carat. Nikolai Korotev. Vokrug sveta no. 1:38-41 N '62.

VILYUY VALLEY—FASSAITE—ANALYSIS

Zonal fassaite from the metasomatically altered trap rock in the middle Vilyuy Valley. E. D. Nadezhkina, V. V. Iudina, T. A. Iakovlevskaya. Trudy IOEM no. 77: 307-318 '62.

VINE CROPS

Effect of physiologically active substances on the growth, development and morphology of the generative organs of some representatives of the family cucurbitaceae [with summary in English]. A. K. Dzevalova'yki. Ukr. bot. zhur. 19 no. 6:13-22 '62.

VINNITSA—SURGICAL SOCIETIES

Account of the work of the Vinnitsa Surgical Society during 1960-1961. I. M. Grabchenko. Klin. khir. no. 12:84-87 D '62.

VINNITSA PROVINCE—AGRICULTURE

For the rapid development of grain production. P. Kozyr. Komm. Ukr. 37 no. 5:15-23 My '62.

VINNITSA PROVINCE—AMATEUR THEATRICALS

It can be done. F. Vereshchagin, M. Anishechenko, I. Mostiaiev. Sots. kul't. no. 2:22 F '63.

VINNITSA PROVINCE—TRADE UNIONS—OFFICERS

Trust is not a screen. A. Gimmervort. Sov. profsoyuzy. 19 no. 2:20 Ja '63.

VINNITSA PROVINCE—WORLD WAR, 1939-1945

To those who fought in Vinnitsa Province. Voenn. ist. zhur. vol. 6 no. 1:128 Ja '63.

VINYL ACETATE

Chemistry of divinylacetylene and its halo derivatives. Part 8: Copolymerization of trans-2,3,4,5-tetrachloro-2,3,5-hexatriene with styrene, acrylonitrile, and vinyl acetate [with summary in English]. A. N. Akopian, G. E. Kravtsov. Vysokom. soed. 5 no. 2:201-205 F '63. Copolymerization of vinyl acetate with 1,3-dichloro-2-butene and the transformations of the copolymer obtained. A. A. Durgarian, A. S. Grigorian, O. A. Chalykian. Izv. AN Arm. SSR. Khim. nauki 15 no. 5: 455-461 '62.

VINYL ACETATE POLYMERS

Effect of pigments on the stability and structural and mechanical properties of the systems pigment - polyvinyl acetate dispersion. Report No. 4. L. F. Korsunskii. Lekokras. mat. i kh. prim. no. 1:19-22 '63.

Synthesis of copolymers of glycidyl methacrylate with vinyl acetate. M. F. Sorokin, E. L. Khinchina. Lekokras. mat. i kh. prim. no. 1:10-15 '63.

VINYL ALCOHOL POLYMERS

Formation of polyvinyl alcohol fiber in precipitation baths of varied composition. O. I. Nachinkin, K. E. Perepelkin. Khim. volok. no. 1:13-17 '63.

Preparation of a spinning bath based on polyvinyl alcohol. A. E. Akopian, D. E. Markosian. Khim. volok. no. 1: 10-12 '63.

VINYL COMPOUNDS

Coloration of transparent products made of vinyl chloride copolymers as dependent on certain conditions of copolymerization. B. I. Fedoseev, Z. V. Popova, D. M. Ivanovskii. Plast. massy no. 1:35-37 '63.

Conjugation phenomenon in the systems with a tetrahedric atom. Part 2: Vinylphosphonic acids. M. I. Kabachnik, T. A. Mastrukova, T. A. Molent'eva. Zhur. ob. khim. 33 no. 2:382-388 F '63.

VINYL POLYMERS

Development of the method of obtaining foams from a polyvinyl chloride paste for the manufacture of artificial leather. A. D. Zajonchkovskii and others. Nauch. -issl. trudy VNIPIK no. 12:11-18 '60.

Dyes for polyvinyl chloride films. A. A. Sinogub-Lavrenko, R. V. Kiseva. Plast. massy no. 1:37-39 '63.

VIOLIN—METHODS

Mostras, K. G. [Intonation on the violin; methods handbook] Intonatsiya na skripke; metodicheskiy ocherk. Materialy po voprosu o skripichnoi intonatsii. Izd. 2. Moskva, Muzygiz, 1962, 154 p.

VIOLONCELLO—STUDIES AND EXERCISES

Sapozhnikov, R. E. [Introductory lessons on the violoncello; method of developing elementary skills in playing the cello] Pervonachal'noe obuchenie violonchellista; metodika razvitiya pervonachal'nykh navykov igry na violonchelli. Moskva, Muzygiz, 1962, 91 p.

VIRGIN TERRITORY—AERONAUTICS, COMMERCIAL

Work on Sundays alone cannot help. I. Oleinikov. Grazhd. av. 19 no. 12:0 D '62.

VIRGIN TERRITORY—AGRICULTURE—ECONOMIC ASPECTS

Seminar on agricultural economics. A. N. Strizhev. Uchet i fin. v kol'hoz. i sovkh. 20 no. 1:62-64 Ja '63.

VIRGIN TERRITORY—ARCHIVES

Archives of the Virgin Territory. V. G. Khotchinskii. Ist. arkh. 8 no. 6:159-163 N-D '62.

VIRGIN TERRITORY—BUILDING MATERIALS

Economic indices could have been better. G. Kochkin. Nar. khoz. Kazakh. 20 no. 11:23-25 N '62.

VIRGIN TERRITORY—COMMUNITY CENTERS

For high culture on the virgin lands. B. Dosanov. Klub 11 no. 6:5-6 Je '62.

VIRGIN TERRITORY—COOPERATIVE SOCIETIES

Important sector of the development of communism. T. I. Sokolov. Koop. Kazakh. 5 no. 10:30-34 O '62.

VIRGIN TERRITORY—CORN (MAIZE)

Piecework bonus wage system and the organization of field crews in corn growing. V. Solomakhin. Sots. trud 7 no. 8:104-111 Je '62.

VIRGIN TERRITORY—FARM MANAGEMENT

Work of every collective and state farm should yield a high profit. I. Mikhailov. Ekon. sel'khoz. 34 no. 2: 109-114 F '63.

VIRGIN TERRITORY—FISHES

Periodical changes in lake and river ichthyofauna of the Virgin Territory. A. I. Gorunova. Vop. ikht. 2 no. 4:577-580 '62.

VIRGIN TERRITORY—HARVESTING MACHINERY

Use of wide-cut ZhVN-10 harvesters in the Virgin Territory. V. Tolstov. Tekh. v sel'khoz. 22 no. 12:44-45 D '62.

VIRGIN TERRITORY—INDUSTRIAL MANAGEMENT

Economic indices could have been better. G. Kochkin. Nar. khoz. Kazakh. 20 no. 11:23-25 N '62.

VIRGIN TERRITORY—PASTURES AND MEADOWS

Possibilities for feed production in the Virgin Territory. V. A. Beliaev. Zhivotnovodstvo 23 no. 5:42-49 My '61.

VIRGIN TERRITORY—SOIL STABILIZATION

Complete stabilization of soils in the Virgin Territory. M. F. Ierusalimskaya. Avt. dor. 25 no. 8:11-13 Ag '62.

VIRGIN TERRITORY—STOCK AND STOCKBREEDING

Transform the Virgin Territory into a large output center for livestock produce. Zhivotnovodstvo 23 no. 5:3-6 My '61.

VIRGIN TERRITORY—VETERINARY MEDICINE

Use of reserves in animal husbandry. B. S. Zinov'ev. Veterinariia 38 no. 10:32-33 O '61.

VIRGIN TERRITORY—WATER RESOURCES DEVELOPMENT

Plan for the solution of an important economic problem. P. I. Kravchenko. Vest. AN SSSR 33 no. 2:69-71 F '63.

VIRGIN TERRITORY—WHOLESALE TRADE

New interdistrict trade depots. B. Semenov. Koop. Kazakh. 5 no. 4:37-38 Ap '62.

VIRUS RESEARCH

Some data on the problem of the structural heterogeneity of a viral population. E. A. Fridman. Trudy Len. inst. epid. i mikrobiol. 19:67-75 '59.

VIRUSES

Data on the isolation of the vaccine measles virus from children immunized with a live vaccine against measles. T. V. Peradze. Trudy Len. inst. epid. i mikrobiol. 22: 43-54 '61.

Ershov, F. I. [Problem of virus and cell correlation] Problema "virus - kletka." Pod nauchn. red. V. M. Zhdanova. Moskva, Izd-vo "Znanie," 1963, 30 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya i meditsina, no. 5)

Variability of the biological properties of foot-and-mouth disease virus. V. N. Gribanov, A. M. Iudin. Trudy VIEV 26:3-7 '62.

VISCERA—DISEASES

Changes in the internal organs during acute poliomyelitis [in Georgian with summary in Russian]. V. A. Simongulov, M. N. Tsatsunava, T. N. Gegia. Trudy Tbil. GIDUV 6:173-177 '62.

Morphological changes of internal organs in hypothermia; an experimental study [in Georgian with summary in Russian]. A. V. Dzhorbenadze, Z. N. Kakhiani. Trudy Tbil. GIDUV 6:109-117 '62.

VISCOSE

Study of viscose viscosity. G. V. Vinogradov and others. Khim. volok. no. 1:33-38 '63.

Varying viscosity of viscose during the process of ripening prior to formation. E. A. Pakshver and others. Khim. volok. no. 1:38-41 '63.

VISCOSIMETER

Differential deep-well viscosimeter [in Azerbaijani with summary in Russian]. K. I. Ibragimov. Azerb. neft. khoz. 41 no. 11:40-48 N '62.

Instruments for the automatic control of the viscosity and level of liquids in the manufacture of artificial leather. V. V. Matveev, A. M. Lushnikov. Nauch. -issl. trudy VNIPIK no. 12:95-104 '60.

Slavianski, V. T. [Automatic viscosimeter designed by the State Optical Institute] Avtomaticheskii viskozimetr GOI. Moskva, Filial Vses. in-la nauchn. i tekhn. informatsii, 1958, 32 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-56-55/7)

VISCOSIMETRY

Characteristics of the properties of homo- and copolymers of 2-methyl-5-vinylpyridine obtained by the methods of light scattering and viscosimetry. A. V. Topchikov and others. Neftekhimiia 3 no. 1:90-93 Ja-F '63.

Varying viscosity of viscose during the process of ripening prior to formation. E. A. Pakshver and others. Khim. volok. no. 1:38-41 '63.

VISCOSITY

Allowing for heat transfer and the temperature dependence of viscosity in the problem of a viscous liquid flow between two rotating concentric cylinders [with summary in English]. S. K. Aslanov. Inzh. -fiz. zhur. 6 no. 2: 8-14 F '63.

High elasticity, shear strength, and development of a steady viscous flow in fluid polymers. G. V. Vinogradov, I. M. Belkin, V. A. Kargin. Dokl. AN SSSR 148 no. 2:369-372 Ja '63.

Study of viscose viscosity. G. V. Vinogradov and others. Khim. volok. no. 1:33-38 '63.

Use of hollow cylinders in studying the viscous properties of liquids [with summary in English]. D. S. Tsakadze, K. B. Mesosed. Trudy Inst. fiz. AN Gruz. SSR 8:213-219 '62.

Viscosity of gases in a transient vacuum. R. S. Prasolov. Izv. vuz. ucheb. zav. i prib. 6 no. 1:142-148 '63.

Viscosity of polyethylene melts. T. V. Druzhinina, A. A. Konkin, G. V. Vinogradov. Khim. volok. no. 1: 25-29 '63.

VICES

Device for straightening the end coils of springs. B. Z. Kraichik. Mashinostroitel' no. 1:31 Ja '63.

VISIBILITY

Improving the visual method of determining meteorological visual range. I. N. Nechaev. Trudy GGO no. 129: 134-145 '62.

VISION

Problem of the reflection of moving and immobile optic stimuli [with summary in English]. P. O. Masarov. Vest. LGU 18 no. 3:115-120 '63.

VISITORS, BRITISH see subdivision under Moscow

- VISITORS, FOREIGN**
(see also subdivision under Sochi)
Foreign geographers visit the U. S. S. R. I. A. G. Mashbits, M. P. Britsyna. Izv. AN SSSR, Ser. geog. no. 1:154-156 Ja-F '63.
- VISUAL AIDS**
Models as visual aids. V. Lesnykh. Avt. transp. 41 no. 2:51-52 F '63.
- VITAMIN THERAPY**
Treatment of poorly healing wounds with an insulin-vitamin mixture. I. V. Startsev. Nauch. trudy Chetv. Mosk. gor. klin. gos. no. 1:190-195 '61.
- VITAMINS**
Mineral substances and vitamins in the food rations of the population of Transcarpathian gopher foci [with summary in English]. V. M. Meshchenko and others. Vrach. delo no. 11:61-63 N '62.
Problems of economics in the use of alkaline manganese oxides. A. F. Prokopchuk. Khim. i tekhn. topl. i masel 8 no. 1:46-49 Ja '63.
Vitaminization of flour in the Moscow Milling Combine No. 3. B. Ornel'chenko, V. Zotikov. Muk. -elev. prom. 28 no. 11:21-23 N '62.
- VITAMINS—A**
Use of vitamins A and D₂ is an important hygienic condition for the birth of a litter of baby pigs. A. I. Karolin. Trudy VIEV 28:228-235 '62.
- VITAMINS—B**
Content of vitamin B₅ and B₁₂ in vetchling root tubercles. A. I. Garkavenko. Izv. AN Mold. SSR no. 7:20-24 '62.
Formation of some vitamins of the group B in actinomyces rimosus 118. A. I. Garkavenko, T. A. Vasil'eva. Izv. AN Mold. SSR no. 7:3-6 '62.
- VITAMINS—B₆** see Folic acid
- VITAMINS—B₂** see Riboflavin
- VITAMINS—B₁₂** see Cyanocobalamin
- VITAMINS—C** see Ascorbic acid
- VITAMINS—D**
Effect of vitamin D and cobalt on the quality of the litter of a sow. E. A. Petukhova and others. Veterinarika 37 no. 7:71-75 Ji '60.
- VITAMINS—D₂** see Ergocalciferol
- VITAMINS—G** see Riboflavin
- VITAMINS—M** see Folic acid
- VITEBSK—MACHINERY INDUSTRY**
We work in the "Sector of Communist Labor." Liavon Hlushionak. Belarus' 20 no. 2:16 F '63.
- VITICULTURE**
(see also subdivision under Bulgaria; Moldavia; Tajikistan; Ukraine; Voronezh Province)
Effect of the age of cuttings and the method of planting in nurseries on the yield of grape seedlings. A. Vukhrova. Sbor. stud. nauch.-issl. rab. VSKHI 1 no. 1:69-93 '62.
- VITICULTURE—STUDY AND TEACHING**
Experimental work with grapes in a student brigade. M. Sivtsev, M. Silchenko. Shkola i prozv. 6 no. 8: 87-88 Ag '62.
- VITIM PLATEAU—GEOLOGY**
Belichenko, V. G., and others. [Outline of the geology and petrography of the southern margin of the Vitim Plateau (northwestern Transbaikalia)] Geologo-petrograficheski ocherk iuzhnoi okrainy Vitimskogo ploskogor'ia (Severo-Zapadnoe Zabaikal'e). Moskva, Izd-vo Akad. nauk SSSR. 1962. 166 p. (Akademika nauk SSSR. Sibirskoe otdelenie, Vostochno-Sibirskii geologicheskii institut, Trudy, no. 8)
- VIVEKANANDA, SWAMI, 1863-1902**
Humanist, democrat, and patriot. E. Chelyshev. Az. i Afr. seg. no. 2:36-37 F '63.
- VLADIMIR—TRADE UNIONS—OFFICERS**
Experience and knowledge stride side by side. V. Golubeva. Sov. profsoyuzy 19 no. 3:16 F '63.
- VLADIMIR, Bishop of Zvenigorod, 1820-**
Address of His Holiness Patriarch Aleksii upon bestowing the prelate's crozier on Vladimir, Bishop of Zvenigorod. Zhur. Mosk. Patr. no. 2:17 F '63.
Nomination and ordination of Archimandrite Vladimir (Kotliarov). Zhur. Mosk. Patr. no. 2:18-20 F '63.
- VLADIMIR GOVERNMENT—INDUSTRY—RECORDS AND CORRESPONDENCE**
Records of Russian factories and industrial plants as historical sources. I. I. Rybakov. Trudy MGIAI 16: 333-348 '61.
- VLADIVOSTOK—TELEVISION BROADCASTING**
Amateur activities on television. V. Kudriakov. Kul't.-pros. rab. 23 no. 9:38-39 S '62.
- VNUKOVO—AIRPORTS**
Twenty-four hours in Vnukovo. Grazhd. av. 19 no. 10: 2-5 O '62.
- VOCATIONAL EDUCATION**
(see also subdivision under Chelyabinsk Province; Ethiopia; Irkutsk Province; Mali; Moscow; Siberia; Switzerland; Tatar A. S. S. R.)
Andrianov, P. N. [Vocational-technical training in secondary schools for mechanics and assemblers of electric apparatus] Proizvodstvennoe obuchenie v srednei shkole po professii slesaria-sbornichika elektropriborov. Pod red. S. A. Shaporinskogo. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 118 p. (Biblioteka politicheskogo obucheniia)
At the end of the century. Prof. -tekh. obr. 19 no. 11: 3 of cover N '62.
By a common effort. G. Vlasov. Prof. -tekh. obr. 20 no. 2:13-14 F '63.
Complex tasks on design combining several subjects. I. Goldin. Prof. -tekh. obr. 20 no. 1:13-15 Ja '63.
Conducting occupational tests. A. Smirnov. Prof. -tekh. obr. 19 no. 12:28-29 D '62.
Development of technical thinking in students. T. V. Kudriavtsev, B. A. Sokolov. Shkola i prozv. 6 no. 9: 62-67 S '62.
Efficient practice of preparing students for life. N. N. Kurylev. Shkola i prozv. 6 no. 8:56-59 Ag '62.
Exercises for the occupation of machinist. Z. Lisogor. Prof. -tekh. obr. 20 no. 1:9-10 Ja '63.
Foreign diplomats in school. Prof. -tekh. obr. 19 no. 11: 5 N '62.
In the State Committee on Vocational Education attached to the State Planning Committee of the Council of Ministers of the U. S. S. R. Prof. -tekh. obr. 20 no. 2: 8 F '63.
Independence of students in studying the parts of machinery and mechanisms. A. A. Pollakov. Shkola i prozv. 7 no. 1:32-41 Ja '63.
Let's improve the process of vocational training. M. Gorainov. Prof. -tekh. obr. 20 no. 1:16-18 Ja '63.
Let's teach them to work and live in the communist way. Prof. -tekh. obr. 19 no. 11:1-2 N '62.
Let's train youth for life and for work. Shkola-int. no. 6:7-11 N-D '62.
Nature of a work assignment. M. I. Syretskii. Shkola i prozv. 6 no. 8:50-51 Ag '62.
New educational motion pictures. V. Volodkovich. Prof. -tekh. obr. 20 no. 1:25 Ja '63.
New forms of extracurricular work. N. Gritsenko. Prof. -tekh. obr. 19 no. 12:23-24 D '62.
News from schools. Prof. -tekh. obr. 20 no. 1:32, 3 of cover Ja '63.
News from schools. Prof. -tekh. obr. 20 no. 2:32 F '63.
Our consultation. Prof. -tekh. obr. 19 no. 11:26 N '62.
Our consultation. Prof. -tekh. obr. 19 no. 12:29 D '62.
Productive work and student training. I. Pervin. Shkola i prozv. 6 no. 8:66-67 Ag '62.
Road to new successes. Prof. -tekh. obr. 19 no. 12:1-2 D '62.
Studying the topic "Development of tools" in the eighth grade. A. A. Polakov. Shkola i prozv. 6 no. 8:22-29 Ag '62.
Teacher in vocational education and class adviser. D. Kudriashov. Prof. -tekh. obr. 19 no. 11:25 N '62.
"Technical progress and new occupations" V. B. Belkin and others; "Technical progress and construction personnel" by V. S. Svetlov. Book review. Prof. -tekh. obr. 20 no. 2:30 F '63.
"Technological" system of production training. M. I. Koval'skii. Shkola i prozv. 6 no. 8:15-18 Ag '62.
Today they are reserves and tomorrow they will be an elite corps of workers. A. Kamshalov. Prof. -tekh. obr. 19 no. 12:3-6 D '62.
Training for factory work. I. T. Gusev, A. V. Silant'ev. Vest. vys. shkoly 21 no. 1:50-53 Ja '63.
Training of workers' cadres at the present stage. V. Belkin. Prof. -tekh. obr. 20 no. 1:3-6 Ja '63.
Triumphal frontiers of the fifth year of the seven-year plan. Prof. -tekh. obr. 20 no. 1:1-2 Ja '63.
- VOCATIONAL EDUCATION—AUDIO-VISUAL AIDS**
Our technical study room. I. Motalskii. Prof. -tekh. obr. 19 no. 11:27 N '62.
- VOCATIONAL EDUCATION—BIBLIOGRAPHY** see Bibliography—Vocational education
- VOCATIONAL EDUCATION—CONGRESSES**
Conference of the principals of the schools of the second stage. M. Aramonova, A. Znamenskii. Shkola i prozv. 6 no. 8:91-94 Ag '62.
- VOCATIONAL EDUCATION—CURRICULA**
"Connection between instruction and study in secondary schools with differential teaching." Reviewed by R. Medvedev. Nar. obr. no. 2:122-125 F '63.
- VOCATIONAL EDUCATION—PERIODICALS**
From the pages of foreign periodicals. I. A. Ginevskii. Shkola i prozv. 7 no. 1:87-88 Ja '63.
- VOCATIONAL EDUCATION—TEXTBOOKS**
Reliability of data in school textbooks. I. V. Zel'dis. Shkola i prozv. 7 no. 1:30-32 Ja '63.
- VOCATIONAL GUIDANCE** see subdivision under Sweden
- VOENKOV, ALEKSANDR IVANOVICH, 1842-1916**
Voikov, A. I. [Influence of man on nature] Vozdejstvie cheloveka na prirodu. Moskva, Izd-vo Akad. nauk SSSR, 1963. 250 p.
- VOINAROVSKYI, ANDRII, 1699-1704?**
Wynar, Lubomyr. [Andrii Voinarovskiy: a historical study] Andrii Voinarovskiy: istorychnyi narys. Vshchepa statia Oleksandra Ohloblyna. Munich. Vyd-vo "Dniprova khvylya," 1962. 127 p.
- VOKUTA REGION—CRYOPEDOLOGY**
Cryogenic structure of bedded ground in the Vorkuta region. T. N. Zhestkova. Trudy Inst. merz. AN SSSR 18:5-8 '62.
- VOLCANIC ASH, TUFF, ETC.** see subdivision under Armenia
- VOLCHONSKOITE** see subdivision under Kama Valley
- VOLGA-AKITUBA FLOODPLAIN—BORING**
Results of using a mechanized drill for vibration drilling in some soils of the Volga-Akhtuba Flood Plain (designed by the All-Union Scientific Research Institute of Hydro-Engineering and Land Reclamation). V. P. Bobkov. Pochvovedenie no. 1:91-92 Ja '63.
- VOLGA DELTA—CARP—DISEASES AND PESTS**
Some remarks on the causes of a sickness of Cyprinus carpio L. in the Volga Delta. V. G. Strolkina. Vop. ikht. 3 no. 1:171-176 '63.
- VOLGA DELTA—DESCRIPTION AND TRAVEL**
Stepanov, E. P. [In the Volga Delta] V dol'te Volgi. Astrakhan', Izd-vo gazety "Volga," 1961. 60 p.
- VOLGA DELTA—RUNOFF**
Baldin, S. S. [Runoff and the levels of the Volga Delta] Stok iurovni del'ty Volgi. Moskva, Gidrometeoizdat, 1962. 336 p.
- VOLGA HYDROELECTRIC POWER STATION (LENIN)—DESIGN AND CONSTRUCTION**
[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958] Volzhskaiskii gidroelektrstantsii; tekhnicheskii otechet o proektirovanii i stroitel'stve Volzhskoi GES imeni V. I. Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergoizdat.
Vol. 2. [Organization and execution of construction and assembly work] Organizatsiia i proizvodstvo stroitel'no-montaznykh rabot. Red. tom: N. V. Itskhin, A. V. Arngol'd, N. L. Triger. 1962. 591 p.
- VOLGA RIVER**
Iuzovskii, I. U. [Natasha and I sail on the Volga; a Volga diary] My s Natashoi plyvem po Volgo; volzhskii dnevnik. Moskva, Sovetskii pisatel', 1962. 312 p.
- VOLGA RIVER—CARP**
Results of tagging Cyprinus carpio L. in the lower course of the Volga River and in its delta. P. D. Nefovkin. Vop. ikht. 3 no. 1:163-170 '63.
- VOLGA RIVER—SAILORS (NAVY)**
Sailors of the Volga Flotilla are heroes of the Battle of the Volga. P. I. Bol'skii. Mor. sbor. 46 no. 2:27-30 F '63.
- VOLGA RIVER—HISTORY, NAVAL**
Volga Flotilla in river crossings of the 62d Army. E. S. Kolchin. Mor. sbor. 46 no. 2:24-27 F '63.
- VOLGA-URAL REGION—BIRDS—MIGRATION**
Fall flights of birds in the Volga-Ural sandy areas. A. N. Postavskii. Ornitologiya no. 5:337-344 '62.
- VOLGA-URAL REGION—GEOLOGY, STRUCTURAL**
Connection between neotectonic movements in the Volga-Ural region and the subsurface structures of the type of folds and deep faults. S. K. Gorolov. Dokl. AN SSSR 149 no. 1:140-151 Mr '63.
Effect of ancient basement upheavals on the distribution of Devonian oil fields in the Volga-Ural region. A. M. Mel'nikov. Dokl. AN SSSR 148 no. 1:172-175 Ja '63.
- VOLGA-URAL REGION—OIL FIELDS**
Effect of ancient basement upheavals on the distribution of Devonian oil fields in the Volga-Ural region. A. M. Mel'nikov. Dokl. AN SSSR 148 no. 1:172-175 Ja '63.
- VOLGA VALLEY—HISTORY—SOURCES**
Zakhoder, B. N. [Consolidated information on the Caspian Sea Region and Eastern Europe; Gorgan and the Volga Valley in the 9th and 10th centuries] Knapskii svod svedenii o Vostochnoi Evrope; Gorgan i Povolzh'e v IX-X vv. Moskva, Izd-vo vostochnoi lit-ry, 1962. 278 p.
- VOLGA VALLEY—INDUSTRIES**
Main trends in the development of the industrial complex of the Volga Valley. F. D. Kurnikov. Izv. AN SSSR, Ser. geog. no. 1:57-66 Ja-F '63.

VOLGA VALLEY—MINKS

Acclimatization of the American mink (*Mustela vison* Briss.) in the Volga-Kama region. D. I. Aspisov, N. D. Grigor'ev. Uch. zap. Kaz. un. 120 no. 6:322-334 '60.

VOLGA VALLEY—POPULISM (NARODNICHESTVO)

Revolutionary propaganda in the Volga region on the eve of the Populist Movement [with summary in English]. V. N. Ginev. Vest. LGU 18 no. 2:40-50 '63.

VOLGOGRAD—BUILDING—TECHNOLOGICAL INNOVATIONS

Practices in mechanization work. I. Opekin. Zhil. stroit. no. 9:25-26 '62.

VOLGOGRAD—CITY PLANNING

New housing area. IU. Menlakin. Zhil. stroit. no. 9:14-17 '62.

Volgograd today and tomorrow. V. Maslaev. Zhil. stroit. no. 9:8-14 '62.

VOLGOGRAD—CIVIC IMPROVEMENT

Kommunisticheskaya partiya Sovetskogo Soюза, Volgo-gradskii oblastnoi komitet, Partinnyi arkhiv. [Risen from ruins; documents and papers about the reconstruction and development of Volgograd, 1943-1960] Podnityi iz ruiny; sbornik dokumentov i materialov o vosstanovlenii i razvitií Volgograda, 1943-1960 gg. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 388 p.

VOLGOGRAD—COMMUNIST PARTY OF THE SOVIET UNION

The Volgograd party organization during the defense of this heroic city. A. M. Samsonov. Vop. ist. KPSS 7 no. 2:44-54 '63.

VOLGOGRAD—COMMUNITY CENTERS

Headquarters of interesting work. G. Orlov. Klub 11 no. 5:18-19 My '62.

When there is a meeting of minds. I. Iudin. Klub 12 no. 8:9 Ag '62.

VOLGOGRAD—CONSTRUCTION INDUSTRY

For high quality in housing construction. N. Fedin. Zhil. stroit. no. 9:20-21 '62.

The hero-city reborn. K. Cherednichenko. Zhil. stroit. no. 9:2-4 '62.

VOLGOGRAD—ELECTRIC WIRING, INTERIOR

Electric installation work in housing construction. N. Shlakhter, V. Telgin. Zhil. stroit. no. 9:23-25 '62.

VOLGOGRAD—INDUSTRIAL MANAGEMENT

And what happens next?... S. Ananko. Mest. prom. i khud. promys. 3 no. 1:24 Ja '63.

VOLGOGRAD—KINDERGARTENS

There were no grants from the government. A. Sirotenko. Sov. deput. trud. no. 3:81-82 Mr '63.

VOLGOGRAD—PRECAST CONCRETE CONSTRUCTION

Large-panel housing construction in Volgograd. E. Velikii. Zhil. stroit. no. 9:4-8 '62.

VOLGOGRAD—SAND-LIME PRODUCTS

Constructing buildings of silica and reinforced lime concrete elements. V. Ulazovskii, V. Luk'ianitsa. Zhil. stroit. no. 9:17-20 '62.

VOLGOGRAD—TEACHING

Let's have more courage to search and to create. P. Pidakashtyi. Nar. obr. no. 2:46-50 F '63.

VOLGOGRAD—TRACTOR INDUSTRY—LABOR PRODUCTIVITY

Achieving utmost production results with the least expenditure. V. Gorev. Sots. trud 8 no. 1:71-73 Ja '63.

Production organization and labor productivity. M. Sidel'nikov. Sots. trud 8 no. 1:66-70 Ja '63.

VOLGOGRAD—WASHING MACHINES

Prompted by conscience. IU. Grechaniuk. Mest. prom. i khud. promys. 4 no. 2:24-25 F '63.

VOLGOGRAD PROVINCE—AGRICULTURAL ADMINISTRATION

Aiming at one goal. V. Tokar'. Part. zhizn' no. 5:33-35 Mr '63.

VOLGOGRAD PROVINCE—INDUSTRIAL MANAGEMENT

Put the hidden potentialities of production in the service of the national economy. I. Sinitsyn. Sots. trud 7 no. 12:18-25 D '62.

VOLGOGRAD PROVINCE—PETROLEUM PRODUCTS—TRANSPORTATION

Centralized petroleum-product transportation within a province. V. Suchkov. Avi. transp. 41 no. 2:15 F '63.

VOLGOGRAD PROVINCE—ROCKS, CARBONATE

Paleogeography of the time of formation of Upper Frasnian porous and cavernous carbonate rocks of Volgograd Province. P. A. Karpov. Dokl. AN SSSR 149 no. 1:156-161 Mr '63.

VOLGOGRAD PROVINCE—STATE FARMS—AUDITING AND INSPECTION

Auditor's notes. A. Lar'kin. Fin. SSSR 37 no. 2:65-66 F '63.

VOLGOGRAD PROVINCE—TECHNOLOGICAL INNOVATIONS

Put the hidden potentialities of production in the service of the national economy. I. Sinitsyn. Sots. trud 7 no. 12:18-25 D '62.

VOLHYNIA—LAND TENURE

Hordlenko, Gabriel. [Agrarian reform in Volhynia in the 16th century] Agrarna reforma na Volyni v XVI stolitti. Winnipeg, 1962. 48 p. (Winnipeg, Ukrainian Research Institute of Volyn. Proceedings. Instytut doslidiv Volyni. Pratsi, no. 10)

VOLKOVYISK—CHURCHES

Archaeological excavations in Volkovyisk in 1959. P. A. Rappoport. Sov. arkheol. 7 no. 1:237-240 '63.

VOLKOVYISK—FORTIFICATIONS, OLD

Archaeological excavations in Volkovyisk in 1959. P. A. Rappoport. Sov. arkheol. 7 no. 1:237-240 '63.

VOLKOVYISK—SLAVIC ANTIQUITIES

Archaeological excavations in Volkovyisk in 1958. G. I. Pekh. Sov. arkheol. 7 no. 1:231-236 '63.

VOLLEYBALL

Soiuz sportivnykh obshchestv i organizatsii SSSR, Tsentral'nyi Sovet. [Volleyball; program for the sport sections of physical education groups in eight-year and secondary schools] Voleibol; programma dlia sportivnykh sektiakh kolektivov fizicheskoi kul'tury vos'miletnikh i srednikh shkol. Moskva, Izd-vo "Fizkul'tura i sport," 1962. 48 p.

VOLOCHAYEVKA, BATTLE OF, 1922

Kol'tsov, P. S. [The Battle of Volochayevka] Volochaevskie dni. Moskva, Gospolitizdat, 1962. 77 p. (Stranitsy istorii Sovetskoi Rodiny)

VOLOGDA GOVERNMENT—REVOLUTIONISTS

Lenin's "Iskra" and the Vologda political exiles. L. F. D'Iskonitsyn. Trudy MGIAI 16:221-229 '61.

VOLOGDA PROVINCE—COTTAGE INDUSTRIES

Cottage industries of Vologda Province. N. N. Mironch. Uch. zap. LGU no. 315:66-80 '62.

VOLOGDA PROVINCE—GEOMORPHOLOGY

Geomorphologic regionalization of Vologda Province [with summary in English]. IU. A. Savinov, V. P. Romanova. Vest. LGU 17 no. 24:114-123 '62.

VOLOGDA PROVINCE—LAND FORMS—MAPS

Morphometric map of Vologda Province [with summary in English]. O. S. Steblin-Kamenskaya. Vest. LGU 17 no. 24:124-131 '62.

VOLOGDA PROVINCE—RIVERS

Experience in analyzing hydrogeological conditions of rivers in the western part of Vologda Province [with summary in English]. A. G. Pronin. Vest. LGU 17 no. 24:104-113 '62.

VOLOGODGRAD PROVINCE—GEOLOGY—MAPS

Using maps of seams in prospecting for oil and gas. V. A. Dolitskii, E. V. Kucherak. Geol. nefi i gazn 7 no. 2:38-41 F '63.

VOLOGODGRAD PROVINCE—METALLURGICAL RESEARCH

Research at the "Krasnyi Otklebi" Metallurgical Plant. K. I. Antipov. Stal' 23 no. 2:129-130, 135-136, 157, 170-171 F '63.

VOLSK—CEMENT INDUSTRIES

The chief engineer. A. Priss. Rabotnitsa 40 no. 3:1-2 Mr '62.

VOLTAGE REGULATORS

Calculation of transient processes in thermostat d. c. voltage stabilizers [with summary in English]. I. F. Voloshin. Avtom. i telem. 24 no. 2:285-300 F '63. Contactless voltage regulator of the auxiliary generator of a gas turbine locomotive. V. A. Kulashov, B. N. Morozhkin, A. M. Rodov. Vest. elektroprom. 34 no. 2:25-26 F '63.

VOLTAIRE, FRANÇOIS MARIE AROUET, 1694-1778

Soviet studies on Voltaire and Babeuf have been published in German in the German Democratic Republic. A. V. Gordon. Nov. i noveish. ist. no. 8:183-184 '62.

VOLTMETER

Corona voltmeter. F. IA. Izakov. Izv. vys. uchob. zav. i prib. 6 no. 1:11-18 '63. Transistorized millivoltmeter. V. Nuzhdin. Radio no. 3:50-52 Mr '63. Transit errors of diode voltmeters. K. S. Zhupakhin, V. S. Zhupakhin. Izv. tekhn. no. 2:48-49 F '63.

VOLUMETRIC ANALYSIS see Titration

VOLYN' PROVINCE—AUDITING AND INSPECTION

Public control groups. A. Rjabov. Fin. SSSR 37 no. 1:76-78 Ja '63.

VOLYN' PROVINCE—COLLECTIVE FARMS—INTERFARM COOPERATION

The contract method of construction is progressive and advantageous for state farms. Shi' bud. 13 no. 2:5 F '63.

VOLYN' PROVINCE—CONSTRUCTION INDUSTRY

The contract method of construction is progressive and advantageous for state farms. Shi' bud. 13 no. 2:5 F '63.

VOLYNSKII, IGOR' SERGEEVICH, 1900-1962

Igor' Sergeevich Volynskii; obituary. Izv. AN SSSR. Ser. geol. 28 no. 1:104-105 Ja '63.

VON BRAUN, WERNHER, 1912-

The career of Wernher von Braun; a Nazi in the service of the Pentagon. Nov. vrem. 20 no. 12:22-26 Mr '63.

VORKUTA REGION—FROZEN GROUND

Some problems in studying Quaternary frozen sediments as revealed by the studies in the Vorkuta region. T. N. Zhestkova. Trudy Inst. merzl. AN SSSR 18:63-71 '62.

VORKUTA REGION—GEOLOGY—MAPS

Experience in compiling a geocryological block plan in the volumetric projection. I. I. Shamanova. Trudy Inst. merzl. AN SSSR 18:68-102 '62.

VORONEZH—COMMUNIST YOUTH LEAGUE

History of the Communist Youth League organization of the Voronezh Agricultural Institute. I. Stefichuk, L. Golovina, A. Popova. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:5-11 '62.

VORONEZH—CUCUMBERS—VARIETIES

Variety testing of tomatoes and cucumbers in greenhouses. T. Bashmakova. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:103-105 '62.

VORONEZH—GREENHOUSE MANAGEMENT

Some cultivation practices for growing vegetables in greenhouses. P. Puchkov. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:101-102 '62.

VORONEZH—GREENHOUSE PLANTS

Variety testing of tomatoes and cucumbers in greenhouses. T. Bashmakova. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:103-105 '62.

VORONEZH—MACHINERY INDUSTRY—LABOR PRODUCTIVITY

Technological progress and increase of labor productivity as exemplified by the Voronezh Lenin Machinery Plant. I. Iskov. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:19-25 '62.

VORONEZH—OPERA

Opera without a feeling of opera. L. Mikhailov. Teatr 24 no. 1:26-28 Ja '63.

VORONEZH—TOMATOES—VARIETIES

Variety testing of tomatoes and cucumbers in greenhouses. T. Bashmakova. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:103-105 '62.

VORONEZH—VEGETABLE GARDENING

Some cultivation practices for growing vegetables in greenhouses. P. Puchkov. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:101-102 '62.

VORONEZH—WORLD WAR, 1939-1945

The liberation of Voronezh. V. Rusetskii. Voen. ist. zhur. = vol. 3 no. 1:125-126 Ja '63.

VORONEZH PROVINCE—DUCKS—DISEASES AND PESTS

Influenza in ducklings. E. M. Kozhevnikov, A. A. Bobrov. Veterinaria 38 no. 10:48-50 O '61.

VORONEZH PROVINCE—HISTORY

"Studies on the history of the Voronezh region; from the ancient period to the Great October Socialist Revolution." Reviewed by V. N. Zamiatina, E. V. Chistiakova. Vop. ist. 38 no. 2:139-141 F '63.

VORONEZH PROVINCE—LUPINE

Cultivation practices for yellow lupine with a low alkaloid content. E. Mikheev. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:49-54 '62.

VORONEZH PROVINCE—RESEARCH

Carrying out the state plan of urgent research work and the introduction of scientific and technical achievements into the national economy of the R. S. F. S. R. in 1962 by the Voronezh Economic Council. A. F. Goncharik. Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:77-79 '63.

VORONEZH PROVINCE—TECHNOLOGICAL INNOVATIONS

Carrying out the state plan of urgent research work and the introduction of scientific and technical achievements into the national economy of the R. S. F. S. R. in 1962 by the Voronezh Economic Council. A. F. Goncharik. Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 2:77-79 '63.

VORONEZH PROVINCE—TILLAGE

The best methods for basic tillage on slopes in Voronezh Province. I. A. Skachkov, P. S. Tregubov. Sbor. nauch. rab. Nauch. -issl. inst. sel'. khoz. Tsent. -chern. pol. 2 no. 1:13-20 '60.

VORONEZH PROVINCE—TOMATOES—VARIETIES

Studying tomatoes with the purpose of selecting canning varieties. A. N. Kur'ianova. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:107-110 '62.

VORONEZH PROVINCE—VITICULTURE

Effect of pinching back on the preservation of wintering buds and the grape yield in Voronezh Province. I. Naekidshvili. Sbor. stud. nauch. -issl. rab. VSKHI 1 no. 1:95-99 '62.

VOROSHILOVGRAD see Lugansk

VOROSHILOVGRAD PROVINCE see Lugansk Province

VOROVSKII, VASILAV VASILAVOVICH, 1872-1923

Pilashov, N. F. [Vasilav Vorovskii; revolutionary, critic, and diplomat] Vasilav Vorovskii, revoliutsioner, kritik, diplomat. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 29 p.

VORSKLA VALLEY—FOREST ECOLOGY

Water balance of ephemeral spring herbaceous plants in an oak forest [with summary in English]. T. K. Goryshina. Vest. LGU 18 no. 3:54-64 '63.

VORSKLA VALLEY—OAK

Water balance of ephemeral spring herbaceous plants in an oak forest [with summary in English]. T. K. Goryshina. Vest. LGU 18 no. 3:54-64 '63.

VORTEX MOTION

Theory of the Ranque effect (twisted gas flow in a vortex chamber). M. A. Gol'dshnik. Izv. AN SSSR, Otd. tekhn. nauk, Mekh. i mashinost., no. 1:132-137 Ja-F '63.

VORTEX TUBE

Merkulov, A. P. [Tamed tornado] Ukroshchenniy smerch. Moskva, Izd-vo "Znanie," 1963. 30 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika, no. 3)

VOSTOK STATION, ANTARCTICA—MAGNETIC STORMS—1961 (JULY)

Magnetic storms at Vostok Station between July 12 and 23, 1961. L. N. Zhigalov. Inform. blul. Sov. antark. eksp. no. 33:42-43 '62.

VOTIAKS—CRANIOLOGY

Essay on the craniology of the Udmurts. M. S. Akimova. Vop. antropol. no. 10:110-115 '62.

VOTKINSK—ELECTRIC POWER PLANTS

How we are trying to improve the organization of work. M. Nazarov. Sots. trud 7 no. 6:44-48 Je '62.

VOTKINSK—RESERVOIRS

Preparations for the operation of the Votkinsk Reservoir. A. Selivanov. Rech. transp. 22 no. 1:33-34 Ja '63. Votkinsk Reservoir engineers. A. Pozdnev. Rech. transp. 22 no. 1:41 Ja '63.

VOYAGES AND TRAVELS

[On land and sea; tales, stories, and sketches] Na sushe i na more; povesti, rasskazy, ocherki. Moskva, Geografizdat, 1962. 646 p. (Puteshestviya, priklucheniya, fantastika)

[Through the eyes of sailors] Glazami morskikh. [Odessa] Odesskoe knizhnoe izd-vo, 1962. 120 p. Yavilov, N. I. [Five continents] Plati kontinentov. Moskva, Geografizdat, 1962. 253 p.

VREVO, LAKE—WHITEFISHES

Body shape and meatiness of Coregonus peled (Gmelin) in Lake Vrevo. V. A. Amosov. Vop. ikht. 3 no. 1: 186-189 '63.

VULCANIZATION

Development of formulas and efficient systems for the vulcanization of natural latex. Z. M. Ustinova and others. Kauch. i rez. 22 no. 2:4-8 F '63.

Effect of sulfur contained in Onak carbon black on the vulcanization kinetics of SKS-30 ARM butadiene-styrene rubber. G. A. Blokh, A. S. Drozdova. Kauch. i rez. 22 no. 2:15-17 F '63.

Manufacture of footwear with the hot vulcanization method in the Ukraine. V. V. Balutenko, G. V. Grigorovich. Leh. prom. no. 3:27-29 Je-Ag '62.

Microchemical method of determining the degree of vulcanization of rainwear fabrics. E. S. Khoroshala and others. Nauch. -issl. trudy VNIPIK no. 12:105-107 '60.

New ultra-accelerators of vulcanization of rubber compounds based on natural and synthetic rubbers. N. V. Vasil'eva and others. Uzb. khim. zhur. 6 no. 6:79-85 '62.

Prevulcanization (scorching) of rubber compounds. Part 3: Effect of vulcanization inhibitors on structural changes in rubbers during mastication and heating [with summary in English]. O. N. Beifatskaia and others. Vysokom. soed. 5 no. 2:164-170 F '63.

Rubber vulcanization with alkyl phenol formaldehyde resins. A. G. Shvarts, B. Z. Kamenskii. Kauch. i rez. 22 no. 2:18-14 F '63.

Some characteristics of the performance of the equipment for casting and vulcanization of diaphragms for molder-vulcanizers in the Dnepropetrovsk Tire Plant. Z. M. Solov'eva. Kauch. i rez. 22 no. 2:43-48 F '63.

VULCANIZATION—EQUIPMENT AND SUPPLIES

Electric shaft vulcanizer for the repair of autoclave valves. E. M. Aristov. Kauch. i rez. 22 no. 2:46-47 F '63.

Modernization of the apparatus for continuous vulcanization of stamped rubber overshoes. I. L. Kaplan. Kauch. i rez. 22 no. 2:49-50 F '63.

VVEDENSKII, NIKOLAI EVGEN'EVICH, 1852-1922

Conference dedicated to the 110th anniversary of the birth of N. E. Vvedenskii. V. P. Troshina. Vest. LGU 18 no. 3:165-167 '63.

VYRUBOV, GRIGORI NIKOLAEVICH, 1843-1913

Note on G. N. Vyrukov. Z. I. Sheptunova. Trudy Inst. ist. est. i tekhn. 39:283-287 '62.

VYSOKOVICH, VLADIMIR KONSTANTINOVICH, 1854-1912

Vladimir Konstantinovich Vysokovich; a reminiscence. A. I. Smirnova-Zamkova. Vrach. delo no. 1:153-155 Ja '63.

WAGE PAYMENT SYSTEMS

(see also subdivision under Armenia)

In the common interest. A. Lisichenkov. Mest. prom. i khud. promys. 3 no. 1:33 Ja '63.

WAGES

(see also subdivision under Belgium; Iran; Russia, Northern)

Combine individual and group material self-interest in brigades correctly. Sots. trud 7 no. 12:100-101 D '62.

Distribution according to work and the principle of material self-interest during the transition from socialism to communism [with summary in English, p. 182]. E. L. Manevich. Vop. filos. 17 no. 2:15-23 '63.

Every enterprise should use wage funds correctly. V. Vorob'ev. Sots. trud 8 no. 1:95-102 Ja '63.

From each according to his ability to each according to his work: norms and wages in industry and agriculture. D. Konakov, G. Zinchenko. Polit. samoochr. 7 no. 1: 105-115 Ja '63.

Improving material incentives is an important lever for accelerating the rate of the building of communism. D. Konakov. Sots. trud 7 no. 12:26-33 D '62.

In the Committee on Labor and Wages attached to the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud 7 no. 6:143-145 Je '62.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud 8 no. 1:138-139 Ja '63.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Council of Trade Unions. Sots. trud 6 no. 2: 139-141 F '63.

An indispensable condition for the building of socialism. Sots. trud 7 no. 6:3-12 Je '62.

Material self-interest. L. Davydenko. Mol. komm. no. 5:82 My '62.

Significance of the Convention No. 100. Jan Kabourek. Vsem. prof. dvizh. no. 2:41-43 F '63.

Student privileges. Vech. arod. shkola 5 no. 5:95-96 S-O '62.

Use wage funds economically. E. Lopatin. Zhil. -kom. khoz. 12 no. 8:20-21 Ag '62.

The wages of foremen. F. Gorin. Sots. trud 7 no. 6: 137-142 Je '62.

We are discussing the problems of control over wage fund disbursement. K. Araslanov, V. Turkovskii, I. Kharitonov. Den. i kred. 21 no. 2:34-50 F '63.

We should regularize the remuneration for overtime and part-time work. IA. Proshko. Sots. trud 7 no. 6: 134-135 Je '62.

WAGES—BIBLIOGRAPHY see Bibliography—Wages

WAGES—BRICK INDUSTRY see subdivision under Minsk

WAGES—CARGO HANDLING

Sher, A. A., and N. G. Varaksin. [Wages for sea port workers] Oplata truda rabotnikov morskikh portov. Moskva, Izd-vo "Morskoi transport," 1962. 136 p. (Ekonomika eksploatatsii morskogo transporta)

WAGES—CHEMICAL INDUSTRIES

Eliminate deficiencies in wages. M. Medvedev. Sots. trud 8 no. 1:103-105 Ja '63.

WAGES—COAL MINERS

Wage problems in integrated brigades. IU. M. Rubinskii. Ugol. prom. no. 6:18-19 N-D '62.

WAGES—COKE INDUSTRY see subdivision under Zaporozhye

WAGES—CONSTRUCTION INDUSTRY (see also subdivision under Georgia)

New development in the system of awarding bonuses to workers in construction organizations. IU. Pak, V. Sorokin. Sots. trud 8 no. 1:128-134 Ja '63.

Piecework wages in construction. B. Svirinovskii, A. Liskovets. Sots. trud 8 no. 1:108-110 Ja '63.

WAGES—CONSTRUCTION WORKERS

(see also subdivision under White Russia)

Russia (1923- U. S. S. R.) Laws, statutes, etc. [Regulation on awarding bonuses to workers for putting construction objects and production facilities into operation] Polozhenie o premirovani rabotnikov za vvod v deistvie ob'ektov stroitel'stva i proizvodstvennykh mashinostei. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1962. 29 p.

WAGES—FORESTERS

Popov-Cherkasov, I. N. [Work compensation for workers and employees in the forest economy of the U. S. S. R. Voznagrazhdenie za trud rabochikh i sluzhashchikh v lesnom khoziaistve SSSR. Moskva, Goslesbumizdat, 1962. 162 p.

WAGES—FURNITURE INDUSTRY

(see also subdivision under Sverdlovsk)

Regulation of wages for work on production lines for furniture parts. E. K. Altukhova. Nauch. trudy ITA no. 85:81-88 '61.

WAGES—LEAD INDUSTRY see subdivision under Chikent

WAGES—LEATHER INDUSTRY see subdivision under Odessa

WAGES—LONGSHOREMEN

Sher, A. A., and N. G. Varaksin. [Wages for sea port workers] Oplata truda rabotnikov morskikh portov. Moskva, Izd-vo "Morskoi transport," 1962. 136 p. (Ekonomika eksploatatsii morskogo transporta)

WAGES—MACHINERY INDUSTRY WORKERS see subdivision under Sverdlovsk

WAGES—MEAT INDUSTRY see subdivision under Leningrad

WAGES—MINERAL INDUSTRIES

Some suggestions on bonus payments to miners. L. Meerovich. Sots. trud 7 no. 6:55 Je '62.

WAGES—MINING ENGINEERING see subdivision under Kemerovo

WAGES—PEATMEN

Improve the efficiency of wages for the workers in the peat industry. A. Dovba, V. Sakov. Sots. trud 6 no. 2: 65-67 F '63.

WAGES—PETROLEUM ENGINEERING

Comprehensive work organization in the construction of oil and gas wells. A. Smirnov, L. Freger. Sots. trud 8 no. 1:58-61 Ja '63.

WAGES—PROSPECTING

Consultation on labor law and wage problems. Razved. i okh. nedr. 29 no. 1:63-64 Ja '63.

WAGES—RAILROADS

Scherbakov, M. G., V. I. Fisenko, and E. I. Novikov. [Wages of track maintenance workers; manual] Oplata truda v putevom khoziaistvo; spravochnik. Pod obshch. red. I. F. Iurchenko. Moskva, Transzhelдорizdat, 1962. 165 p.

WAGES—RETAIL TRADE see subdivision under Poland

WAGES—SHOE INDUSTRY

Group wages of assembly-line workers in shoe factories. A. Merzon, N. Gershun. Sots. trud 7 no. 6:61-63 Je '62.

WAGES—TEXTILE INDUSTRY see subdivision under Ivanovo Province

WAGES—TEXTILE WORKERS see subdivision under Kallun Province

WAGES—TRANSPORTATION, AUTOMOTIVE

Answers to the questions of automotive transportation workers. IA. Masnyi. Sots. trud 8 no. 2:133-138 F '63.

Eliminate deficiencies faster in the organization of work and wages in automobile transportation. P. Ufinskii. Sots. trud 8 no. 2:81-85 F '63.

WALL NEWSPAPERS

Don't command, but help. P. Sintsov. Part. zhizn' no. 5:71-75 Mr '63.

WALLS

For high quality of the elements. V. Ognev. Stroitel' 9 no. 2:10-11, 14 F '63.

Improving the exterior slabs of series "OD" houses. L. M. Bezverkhnii, I. N. Kreizman. Stroitel' i arkhitekt. Len. 25 no. 2:13-14 F '63.

Protective coatings for air-entrained silicate slabs of exterior walls. A. S. Leikin, V. E. Pesel'nik. Stroitel'mat. 9 no. 2:15-16 F '63.

Russia (1917- R. S. F. S. R.) Ministerstvo sel'skogo khoziaistva. [Collection V-58-2 (consolidated norms and estimates) rural construction and assembly work] Sbornik V-58-2 (ukrupnennnye normy i raschety) stroitel'nye i montazhnye raboty v sel'skoi moshnosti. Moskva.

No. 2. [Walls of residential buildings] Stony zhilykh zdani. 1961. 25 p.

WALLS—THERMAL PROPERTIES

"Lightweight wall elements in housing construction" by V. Kamenskii. Reviewed by E. Odel'skii. Zhil. stroi. no. 1:31-32 '63.

WAR

Causes of modern wars and their features. P. Rotmistrov. Komm. Vooruzh. Sil 3 no. 2:24-33 Ja '63.

WAR—ECONOMIC ASPECTS see subdivision under Italy; United States

WAR CRIMINALS see subdivision under Estonia

WAR MEMORIALS see subdivision under Leningrad

WAREHOUSES

(see also subdivision under Moscow)

New warehouse for storing fruit. I. Lapinski, N. Borminski, A. Leshchinski. Sov. torg. 36 no. 1:55-57 Ja '63.

"Organization of storage operations in sea harbors." B. G. Prikhod'ko. Reviewed by L. Andronov, M. Kotov, M. Slapak. Mor. flot 23 no. 2:41-42 F '63.

WARPING MACHINES

Comparing the efficiency of continuous and intermittent warping in cases of an optimum set of bobbins. V. A. Gordeev, L. L. Brusnikina. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6:11-17 '62.

WARSHIPS

Brief news of foreign navies (from data in the foreign press). Mor. sbor. 46 no. 2:83-88 F '63.

Warship building in foreign countries in 1962, (from foreign journals). G. P. Zlobin. Sudostroenie 20 no. 2:68-74 F '63.

WASHING MACHINES see subdivision under Volgograd

WASHING POWDERS

Development of the production of synthetic fat substitutes and washing compounds. B. G. Luchin. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 1:57-59 '63.

WASTE HEAT

Problems of utilizing secondary heat in industry. I. Krapchuk. Plan. khoz. 40 no. 3:82-87 Mr '63.

WASTE RECLAMATION see Salvage (Waste, etc.)

WATER

Proton relaxation in zeolitic water. I. V. Matlash and others. Zhur. strukt. khim. 4 no. 1:106-107 Ja-F '63.

State of water molecules in crystal hydrates containing salts of certain elements. S. N. Andreev, T. G. Balicheva. Dokl. AN SSSR 148 no. 1:86-88 Ja '63.

WATER—ANALYSIS

(see also subdivision under Atlantic Ocean; Siberian Platform)

Studying the effect of connate and expulsive waters on the speed and height of capillary expulsion [in Azerbaijani with summary in Russian]. V. T. Avanesov, A. Sh. Asadov. Azerb. neft. khoz. 41 no. 7:28-31 Ji '62.

WATER—COMPOSITION see subdivision under Kuybyshev Reservoir

WATER—DISTRIBUTION

(see also subdivision under Sevastopol; United States)

Dulava, M. N., and M. D. Danilenko. [Principles of water supply and sewerage construction] Osnovy vodoprovodno-kanalizatsionnogo stroitel'stva. Kiev, Gosstroizdat USSR, 1962. 171 p.

WATER—MICROBIOLOGY

Origin of saprobic organisms. D. V. Belikhov. Uch. zap. Kaz. un. 120 no. 6:359-362 '60.

WATER—OXYGEN CONTENT

Shpel, H. L., and M. B. Feldman. [Oxygen balance in ponds under the conditions of intensive carp culture] Kysnevyl rozhyh staviv v umovakh intensyynoho koropovo hoepodarstva. Kyiv, Vyd-vo UASHN, 1961. 125 p. [With summary in English] (DNAL)

WATER—OZONIZATION

(see also subdivision under Chasov-Yar)

Automation of the ozonizer. I. Kh. Bikkoulin. Vod. i san. tekhn. no. 2:22-24 F '63.

WATER—POLLUTION

(see also subdivision under Temir-Tau Reservoir)

Cherkinski, S. N. [Sanitary specifications for the discharge of sewage into bodies of water] Sanitarnye uslovia spuska stochnykh vod v vodoemy. 3., perer. i dop. izd. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 236 p.

WATER—PURIFICATION

Conference on water treatment. Vod. i san. tekhn. no. 2: 39 F '63.

Dependence of the speed of deposit precipitation on the ionic content of waste waters during their defluoridation by lime, aluminum sulfate, and polyacrylamide. E. B. Kuziak, A. M. Kaganovskii. TSvet. mel. 35 no. 12:40-42 D '62.

Intensification of precipitation of suspended matter in horizontal settling tanks [with summary in English]. p. 701. M. V. Demura. Visnyk ABIA URSR no. 3:47-52 '62.

Paint and varnish coating used for the protection of water-purifying filters from corrosion. N. K. Zhuchkova and others. Lakokras. mat. i ikh prim. no. 1:42-43 '63.

Precast concrete in the construction of purification and water-supply structures. I. Chumakov and others. Stroi. i arkhitekt. 10 no. 2:20-23 F '62.

Purification of barometric condenser waters. P. L. Shkurenko, V. I. Babaev, R. M. Granovskaya. Masl. -zhir. prom. 29 no. 1:34-35 Ja '63.

Purification of waters at the "Ukrtsink" Plant. V. E. Genkin, S. Z. Bluvshstein, A. A. Mokina. TSvet. mel. 35 no. 12:29-35 D '62.

Use of cation exchangers in a fluidized bed for the purification of industrial waste waters from zinc ions. A. M. Koganovskii, I. A. M. Zagrai. TSvet. mel. 35 no. 12:35-40 D '62.

Use of coal absorption oil for water dophenolization. V. A. Ivashchenko, D. P. Dubrovskaya. Koks i khim. no. 2:45-51 '63.

Using polyacrylamide to purify drinking water. IU, Veitser. Zhil. -kom. khoz. 12 no. 8:22-23 Ag '62.

WATER—SOFTENING

Using magnetic treatment devices for high-hardness water. M. M. Olesnevich, I. V. Lashchenov. Bezop. truda v prom. 7 no. 2:22-23 F '63.

WATER, DISTILLED

Distillation of water by natural freezing. M. F. Mitin. Vod. i san. tekhn. no. 2:24-27 F '63.

WATER, UNDERGROUND

(see also subdivision under Nenans Valley; Uzbekistan)

Calculations for filter lowering of the water level using radial intakes. V. M. Shestakov. Osn. i fund. i mekh. grun. 4 no. 1:23-25 '62.

Determination by the calculation method of steady recovery and the falling of water level based on data on short-duration pumping. V. H. Knerts. Geol. zhur. 22 no. 6:69-77 '62.

Dynamics of underground waters of compacting marine sedimentary formations and its structural role. A. E. Khodkov. Izv. AN SSSR. Ser. geol. 27 no. 12:85-94 D '62.

Functioning of intake bores in conditions of irregular movement of groundwater. G. A. Razumov. Vod. i san. tekhn. no. 1:8-10 Ja '63.

Klimentov, P. P. [General hydrogeology] Obshchaya gidrogeologiya. Izd. 2., perer. Moskva, Vysshaya shkola, 1962. 210 p.

Limits of the applicability of various methods of drilling for water. V. V. Dubrovskii. Vod. i san. tekhn. no. 1: 11-14 Ja '63.

New type of well point for units for lowering the water level. M. N. Fuskov, N. S. Mitrofanov. Osn. i fund. i mekh. grun. 4 no. 1:16-17 '62.

Sedenko, M. V. [Hydrogeology and engineering geology] Gidrogeologiya i inzhenernaya geologiya. Moskva, Gosgeotekhnizdat, 1962. 356 p.

WATER, UNDERGROUND—MAPS

Hydrogeological mapping based on data of aerial photography. K. E. Nefedov. Dokl. AN SSSR 148 no. 3: 876-878 Ja '63.

WATER, UNDERGROUND—MEASUREMENT

Determining the yield of springs with a spillway-type discharge meter. S. I. Ganin. Geod. i kart. no. 12:55-56 D '62.

WATER BIRDS see subdivision under Mangyshlak Peninsula

WATER HEATERS

Automatic signaling system of VET water heaters. Tekhn. v sel'khoz. 22 no. 12:31-32 D '62.

Baffle feed heaters for baths and laundries. V. Blagikh. Zhil. -kom. khoz. 12 no. 10:28 O '62.

Contact gas water heaters. I. Tyshkov. Na stroi. Ros. 3 no. 3:35-38 Mr '62.

Continuous-flow electrical water heater. IU, Pchelkin. Tekhn. v sel'khoz. 22 no. 7:36-37 Ji '62.

Mobile water heating boilers for temporary use. I. M. Liando. Prom. energ. 18 no. 2:52 F '63.

WATER PIPES

Nomogram for analysis of water pipes inside residential buildings. L. A. Shopeniskii. Vod. i san. tekhn. no. 2:27-28 F '63.

Pressure water conduits made of asbestos-cement pipe. D. V. Selimbekov, R. G. Nadzharov. Vod. i san. tekhn. no. 1:30-31 Ja '63.

Rubber water pipes. V. Kovalevskii. Sel. stroi. 15 no. 3:17-18 Mr '60.

WATER PIPES—COLD WEATHER CONDITIONS

Measuring the thickness of ice forming on the internal wall of a main water conduit. M. P. Suslov. Priboro-stroenie no. 1:25 Ja '63.

WATER RESOURCES DEVELOPMENT

(see also subdivision under Fergana; Golodnaya Steppe; Kazakhstan; Mongolia; Siberia, Western; Soviet Central Asia; Virgin Territory)

Results of water resources development in 1962 and forthcoming tasks. I. T. Vovchenko. Gidr. i mel. 14 no. 1: 3-9 Ja '63.

Zvorykin, K. A. [Water resources in the service of the seven-year plan] Vodnye bogatstva sluzhbo semiletid. Leningrad, Gidrometeoizdat, 1962. 65 p.

WATER SUPPLY

In the Hydrochemical Institute of the Academy of Sciences of the U. S. S. R. Vod. i san. tekhn. no. 1:37 Ja '63.

WATER SUPPLY, RURAL see subdivision under Gur'yev Province; West Kazakhstan Province

WATER—SUPPLY ENGINEERING

Leningrad. Inzhenerno-stroitel'nyi institut. Nauchnaya konferentsiya. [Water supply and sewerage; reports of the 20th Scientific Conference] Vodosnabzhenie i kanalizatsiya; doklady XX nauchnoi konferentsii. Leningrad, 1962. 96 p.

Precast concrete in the construction of purification and water-supply structures. I. Chumakov and others. Stroi. i arkhitekt. 10 no. 2:20-23 F '62.

WATER-SUPPLY ENGINEERING—BIBLIOGRAPHY see Bibliography—Water-supply engineering

WATER TURBINES see Hydraulic turbines

WATER VAPOR

Pyrolysis of straight-run gasoline in a flow of a superheated water vapor. V. I. Matosov, T. N. Mukhina. Khim. i tekhn. topl. i masel 8 no. 1:34-38 Ja '63.

WATER VOLES

Changes in suprarenal glands and carbohydrate metabolism of water voles (Arvicola terrestris) in spring and summer. L. G. Krotova. Trudy Inst. biol. UFAN SSSR no. 29:129-140 '62.

WATER WORKS INTAKES see Intakes (Hydraulic engineering)

WATERPROOFING

Popchenko, S. N., and M. G. Staritskii. [Asphalt waterproofing of concrete and reinforced-concrete structures] Asfal'tovoye gidroizolatsionnoye betonnaykh i zhelezobetonnykh sooruzhenii. Pod red. P. D. Glebova. Moskva, Gosenergizdat, 1962. 250 p.

Waterproofing basements. T. Danilova, V. Iakovleva, M. Polotovskii. Zhil. -kom. khoz. 12 no. 8:29 Ag '62.

WATERPROOFING OF FABRICS

Imparting the strength and hydrophobic properties to fabrics made of glass fibers. L. V. Golosova. Plast. massy no. 2:64-66 '63.

WAVE GUIDES

Calculation of the input wave guide of a parametric amplifier with two discontinuities. V. N. Vasil'ov. Radiotekh. i elektron. 8 no. 2:347-348 F '63.

Contribution to the theory of ribbon arrays with final period. V. V. Malin. Radiotekh. i elektron. 8 no. 2: 211-220 F '63.

Electromagnetic shock waves in a nonlinear line with lumped parameters [with summary in English]. IU, K. Bogatyrev. Izv. vys. ucheb. zav.; radiofiz. 5 no. 6: 1131-1143 '62.

Field structure of a coaxial line consisting of a metal pipe in which is placed a coaxial hollow cylinder. N. D. Kozyrev. Radiotekhnika 18 no. 1:18-22 Ja '63.

Nonlinear effects and parametric regeneration in wave interaction in wave guide systems with long electron streams. S. A. Akhmanov and others. Zhur. tekhn. fiz. 33 no. 1:90-99 Ja '63.

Problem of the motion of a relativistic electron in a magnetic field moving with a phase velocity greater than the velocity of light. IU, P. Rybakov. Vest. Mosk. un. Ser. 3, Fiz.; astron. 17 no. 2:3-10 Mr-Ap '62.

Radiation from a single charge in a semi-infinite wave guide filled with a dielectric substance. E. L. Burshtein, G. V. Voskresenskii. Zhur. tekhn. fiz. 33 no. 1:34-42 Ja '63.

Substantiation of a method for designing nonregular wave guides. A. G. Sveshnikov. Zhur. vych. mat. i mat. fiz. 3 no. 1:170-179 Ja-F '63.

Transient characteristics of a strip-type transmission line. G. V. Glebovich. Radiotekh. i elektron. 8 no. 2: 337-341 F '63.

WAVE GUIDES—MEASUREMENT

Measuring the directivity of wave guide coupler. A. N. Akhiezer. Izv. tekhn. no. 1:48-50 Ja '63.

- WAVES**
(see also subdivision under Neftyanyye Kamni region)
Exact calculation of wind waves of a given probability degree. V. V. Shuleikin. *Izv. AN SSSR. Ser. geofiz.* no. 1: 156-163 Ja '63.
Propagation of elastic surface waves in a half-space in a magnetic field. N. I. Dolbin. *PMTF* no. 1:84-87 Ja-F '63.
- WAVES, CALMING OF**
Some results of studying wave attenuation with depth. L. A. Korneva. *Izv. AN SSSR. Ser. geofiz.* no. 12:1815-1824 '62.
- WEATHER—MENTAL AND PHYSIOLOGICAL EFFECTS**
see subdivision under Leningrad
- WEATHER CONTROL**
Crystallization of water supercooled by silver iodide. V. N. Balabanova, T. N. Zhigalovskaya. *Izv. AN SSSR. Ser. geofiz.* no. 10:1453-1455 O '62.
- WEATHER FORECASTING**
Drogailsev, D. A. [Long-range hydrometeorological forecasting based on temperature fluctuations]
Dolgorsrochnye gidrometeorologicheskie prognozy na osnovu ucheta kolebanii temperatury. Leningrad, Gidrometeoizdat, 1959. 91 p.
Formation and evolution of a winter upper frontal zone on the boundary of Eurasia and the Pacific Ocean and its characteristics for forecasting. L. R. Son'kin. *Trudy GGO* no. 133:84-93 '62.
One problem of forecasting the field of atmospheric pressure. A. F. Diubuk, V. M. Berezni. *Vest. Mosk. un. Ser. 3. Fiz., astron.* 17 no. 2:36-40 Mr-Apr '62.
- WEATHERING** see subdivision under Ural Mountain region
- WEED CONTROL**
(see also subdivision under Pskov Province; Russia, Northwestern; Ukraine)
Methods for controlling horse sorrel. A. D. Magaeva. *Zhivotnovodstvo* 23 no. 7:35 Ji '61.
Nature of the effect of derivatives of phenoxycetic acid on corn and weeds. I. U. G. Merezhinskii. *Nauch. trudy Ukr. nauch. -issl. inst. fiziol. rast.* no. 23:132-140 '62.
Results of testing poisonous chemicals in the control of dodder. O. I. Govorkova. *Trudy Iol. sel. sta.* 1:149-155 '61.
Using herbicides in grain fields. V. P. Baikov, E. N. Balkova. *Sbor. nauch. rab. Nauch. -issl. inst. sel. khoz. TSentr. -chern. pol.* 2 no. 1:36-39 '60.
- WEED KILLERS** see Herbicides
- WEEKLY REST DAY**
Law is the same for all. *Nauka i rel.* 4 no. 1:86 Ja '63.
- WEEVILS—EXTERMINATION** see subdivision under Bryansk Province
- WEIGHT LIFTING**
Borisov, I. B. [The book on strong men] *Kniga o silachikakh.* Moskva, Izd-vo "Fizkultura i sport," 1962. 198 p.
- WEIGHTS AND MEASURES**
The international system of units and modern standards of initial units of measurement. G. D. Burdun. *Inzh. -fiz. zhur.* 5 no. 12:113-128 D '62.
Innovations in the measurement of mass. K. P. Shirokov. *Izm. tekhn.* no. 2:24 F '63.
Present state of the establishment of initial measurement units. G. D. Burdun. *Izm. tekhn.* no. 2:60-62 F '63.
Reducing the weight of a solid in air to its weight in a vacuum. S. S. Kivlits. *Izm. tekhn.* no. 2:28-29 F '63.
- WEIGHTS AND MEASURES—STANDARDS**
Unified conventional density of materials used for weights. N. A. Smirnova, N. E. Moskvina. *Izm. tekhn.* no. 2:25-28 F '63.
- WELDING**
Controlling the quality of welding joints by using a magnetic flaw detector. P. T. Solon'ko. *Mekh. sil', hosp.* 13 no. 12:9 D '62.
The effect of technical factors of welding on the deformation of welded joints. V. M. Rybakov, P. S. Karpechenko. *Sbor. trud. MISI* no. 18:125-142 '62.
For a further expansion of welding practices. *Svar. proizv.* no. 1:1-2 Ja '63.
Methods of approximation for calculating residual welding stresses in one-pass joint welding. V. S. Ignatieva. *Sbor. trud. MISI* no. 18:83-109 '62.
Plastic deformation during pressure butt welding. K. K. Khrenov, A. I. Shestakov. *Svar. proizv.* no. 1:11-12 Ja '63.
Vainholm, D. I. [Automation of the welding of insertion parts in reinforced-concrete elements] *Avtomatizatsiya svarki zakladnykh chastei zhelezobetonnykh konstruktsii.* Leningrad, 1962. 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 19)
- WELDING—BIBLIOGRAPHY** see Bibliography—Welding
- WELDING—CONGRESSES**
Conference of Transcaucasian welders. L. B. Iakobashvili. *Avtom. svar.* 16 no. 1:93-94 Ja '63.
Conference specifically on the subject of welding in an atmosphere of water vapor. M. Z. Sheinkin. *Svar. proizv.* no. 1:45 Ja '63.
First Scientific Technological Conference on Welding in the Kazakh S.S.R. V. I. Troitskii. *Avtom. svar.* 15 no. 12:87-88 D '62.
Republican conference of welders of Kazakhstan. L. I. Tur-Gnedich. *Svar. proizv.* no. 1:44-45 Ja '63.
- WELDING—CORROSION**
Corrosion of weldments of titanium and its alloys in inorganic chloride solutions. L. N. Iagupol'skaya, S. M. Gurevich. *Avtom. svar.* 16 no. 1:44-47 Ja '63.
Tendency of electrically welded Kh18Ni9Ti steel pipe toward intercrystalline corrosion. O. S. Vil'iams, T. M. Koval'chuk. *Metalloved. i term. obr. met.* no. 1: 39-41 Ja '63.
- WELDING—COSTS**
Analysis of basic technical and economic indices for the making of welding structures in heavy machinery building. A. D. Gitlevich, K. I. Kogan. *Avtom. svar.* 16 no. 1:68-74 Ja '63.
- WELDING—EQUIPMENT AND SUPPLIES**
Types of auxiliary welding equipment. A. D. Gitlevich. *Svar. proizv.* no. 2:44-46 F '63.
- WELDING—EXPLOSIVES** see Explosives in welding
- WELDING—TECHNOLOGICAL INNOVATIONS** see subdivision under Kurgan
- WELDING—TESTING**
Magnetographic method of weld joint quality control. A. S. Fal'kevich. *Avtom. svar.* 15 no. 12:77-84 D '62.
Methods of the endurance testing of weldments. V. I. Trufiakov. *Avtom. svar.* 16 no. 1:1-8 Ja '63.
Reagent for revealing the microstructure of austenite-ferrite joints. G. G. Mukhin. *Avtom. svar.* 16 no. 1: 90-91 Ja '63.
Strength and character of the failing of welded joints connecting nozzles with vessel bodies stressed by internal pressure. G. Z. Zaitsev, D. M. Shur. *Svar. proizv.* no. 2:30-32 F '63.
- WELDING, GAS** see Gas welding and cutting
- WELDING RESEARCH**
In the Coordinating Council on Welding. V. S. Ubel'. *Avtom. svar.* 16 no. 1:94-95 Ja '63.
- WELLS** see subdivision under Ukraine
- WEST GERMANY** see Germany, West
- WEST IRIAN** see New Guinea, West
- WEST KAZAKHSTAN PROVINCE—BUILDING MATERIALS INDUSTRY**
There are facilities but no materials. N. Dubinskii, V. Sokolov. *Nar. khoz. Kazakh.* 20 no. 12:36-38 D '62.
- WEST KAZAKHSTAN PROVINCE—WATER SUPPLY, RURAL**
Water resources of the Volga-Ural region at the service of animal husbandry in Kazakhstan. M. Sh. Zozulia, K. K. Tatarintsev. *Zhivotnovodstvo* 23 no. 8:30-33 Ag '61.
- WEST SHELF ICE REGION—MORAINES**
Discovery of moraine material on a broken piece of an inverted iceberg. N. N. Kulikov. *Inform. biul. Sov. antark. eksp.* no. 33:15-18 '62.
- WEST SIBERIAN PLAIN—GAS, NATURAL—GEOLOGY**
Study of the oil and gas potential of the West Siberian Plain is the immediate task of geologists and petroleum workers. G. L. Grishin. *Razved. i okh. nedr.* 20 no. 1:13-18 Ja '63.
- WEST SIBERIAN PLAIN—PETROLEUM GEOLOGY**
Study of the oil and gas potential of the West Siberian Plain is the immediate task of geologists and petroleum workers. G. L. Grishin. *Razved. i okh. nedr.* 20 no. 1:13-18 Ja '63.
- WESTERN EUROPE** see Europe, Western
- WESTERN SIBERIA** see Siberia, Western
- WHALES**
Anatomy of the kidney in the whale. D. F. Iarnak. *Sbor. nauch. trud. Vin. der. med. inst.* 18 no. 2:72-75 '58.
Veins of the visceral portion of the head in a whale embryo. E. M. Kievskaya. *Sbor. nauch. trud. Vin. der. med. inst.* 18 no. 2:12-22 '58.
- WHARVES**
Rear protection of wharves made of large concrete blocks without a prism of stone. D. E. Gurevich. A. G. Volk. *Transp. stroit.* 12 no. 7:28 Ji '62.
- WHEAT**
(see also subdivision under Apaheron Peninsula; Polesye)
Amounts of radioactive phosphorus in pot experiments with spring wheat and the effect of radioactive radiation on its productivity [with summary in English]. V. M. Molkin, V. A. Rabinovich. *Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz.* no. 1:163-171 '60.
Some physiological and biochemical characteristics of the development of wheat and barley varieties as related to the reaction of soils [with summary in English]. M. F. Kornilov, Z. V. Trunina. *Nauch. trudy Sev. -zap. nauch. -issl. inst. sel'khoz.* no. 1:223-236 '60.
- WHEAT—ANALYSIS AND CHEMISTRY**
Physicochemical changes occurring in wheat grains during hydrothermal processing. E. D. Koznikov, I. A. Sakharova. *Trudy MTIP* 15:41-44 '60.
- WHEAT—DISEASES AND PESTS** see subdivision under Azerbaijan; Caucasus
- WHEAT—FERTILIZERS AND MANURES** see subdivision under Karabakh Steppe
- WHEAT—VARIETIES**
(see also subdivision under Caucasus, Northern; Kaliningrad Province)
Leningradskaya 126, a new variety of spring wheat. A. V. Navolotskii. *Biul. nauch. -tekhn. inform. SZNISKH* no. 3:36-38 '58.
- WHEELS—VIBRATION**
Studying the natural vibrations of the locomotive wheel pair during altpage. M. A. Suzdal'tsev, A. A. Vorob'eva. *Trudy MITT* no. 150:49-66 '62.
- WHITE RUSSIA—ANIMALS, MARKING OF**
Materials on banding bats in White Russia. A. N. Kurakov. *Migr. zhiv.* no. 3:21-25 '62.
- WHITE RUSSIA—ANTI-COMMUNIST MOVEMENTS**
Paronchik, H. I. [The Koldychevo tragedy] *Kaldychouka i tragediya.* Minsk, 1962. 73 p. (Dobroslavichka gazety "Holos Radzhy")
- WHITE RUSSIA—ANTIQUITIES**
Relation between the Mlogrud and the Zarubintsy cultures in southern White Russia. O. N. Mel'nikovskaya. *Sov. arkheol.* 7 no. 1:32-42 '63.
- WHITE RUSSIA—BATS**
Materials on banding bats in White Russia. A. N. Kurakov. *Migr. zhiv.* no. 3:21-25 '62.
- WHITE RUSSIA—CATHOLIC CHURCH (BYZANTINE RITES)**
"Saint Iosafat" and others. *Mikola Virnyi.* *Nauka i rel.* 4 no. 1:18-20 Ja '63.
- WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION**
Confident steps. I. Aleksievich. *Belarus'* 20 no. 2:4 F '63.
- WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Education of workers and farmers is the most important part of party guidance. *Komm. Bel.* 37 no. 2:2-7 F '63.
- WHITE RUSSIA—COMMUNITY CENTERS**
Life demands this. M. Dubkova. *Klub* 11 no. 0:4 Je '62.
- WHITE RUSSIA—CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY**
Ways to eliminate the loss of working time on building sites. L. Pshonik, V. Evenchik. *Sata. trud* 7 no. 12: 47-52 D '62.
- WHITE RUSSIA—CROSSES**
Ivanov, V. M. [Why some people believe in the magic power of the cross] *Pochemu nekotoryye liudi veriat v magicheskuiu silu kresta.* Minsk, 1962. 48 p. (Obshchestvo po rasprostraneniui politicheskikh i nauchnykh znani Belorusskoi SSR, no. 0)
- WHITE RUSSIA—ECONOMIC CONDITIONS**
In the notebooks of propagandists: facts and figures. *Komm. Bel.* 37 no. 2:60-61 F '63.
Our debt of honor. *Rab. i stal.* 30 no. 1:1 Ja '63.
- WHITE RUSSIA—ECONOMICS**
[Collected articles on economic problems] *Sbornik po ekonomicheskim voprosam.* Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1961. 163 p.
- WHITE RUSSIA—ELECTIONS**
The most important event in the life of our people. *Komm. Bel.* 37 no. 2:8-11 F '63.
- WHITE RUSSIA—FARM MECHANIZATION**
Skillful hands. D. Zinger. *Rab. i stal.* 30 no. 1:6 Ja '63.

WHITE RUSSIA—FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES

Characteristics of the design of machines and implements for the afforestation of cutovers. F. G. Stakheiko. Les, khoz. 15 no. 9: 71-73 S '62.

WHITE RUSSIA—HISTORY

Kasius Kalinowski and the peasant uprising of 1863. Sislapan Matkhovich. Rab. i sial. 39 no. 1: 17 Ja '63.

WHITE RUSSIA—INDUSTRIES

Akademiya nauk BSSR, Minsk. Institut ekonomiki. [Economic resources in socialist industry] Rezervy ekonomii v sotsialisticheskoi promyshlennosti. Minsk, 1961. 258 p. (MH)

WHITE RUSSIA—KINDERGARTENS

Place nurseries and kindergartens under the control of women. B. Budovich and others. Rabotnitsa 40 no. 7: 18-19 Ji '62.

WHITE RUSSIA—LABOR AND LABORING CLASSES—MEDICAL CARE

Our main task. I. Beresten'. Okhr. truda i sots. strakh. 6 no. 2: 8-9 F '63.

WHITE RUSSIA—MACHINERY INDUSTRY

Potent lever of industrial development. N. Tishin. Komm. Bel. 37 no. 2: 27-30 F '63.

WHITE RUSSIA—MEDICINE, INDUSTRIAL

Our main task. I. Beresten'. Okhr. truda i sots. strakh. 6 no. 2: 8-9 F '63.

WHITE RUSSIA—NURSERY SCHOOLS

Place nurseries and kindergartens under the control of women. B. Budovich and others. Rabotnitsa 40 no. 7: 18-19 Ji '62.

WHITE RUSSIA—PLANTS, ORNAMENTAL

Rare ornamental and exotic forms of woody plants in southwestern White Russia. V. G. Antipov. Blul. Glav. bot. sada no. 45: 22-26 '62.

WHITE RUSSIA—POLITICS AND GOVERNMENT

Confident steps. I. Aleksievich. Belarus' 20 no. 2: 4 F '63.

WHITE RUSSIA—POPULATION

Bahrov, Andrei. [Population of the White Russian S. S. R. according to the census of 1959] Zhykharstva Belaruskoe SSR u sviatle perapisa 1959 hodu. New York, Koshiam fundatsii im. Petry Krecheuskaha, 1962. 88 p.

WHITE RUSSIA—PRODUCTION STANDARDS

Participation of volunteers in establishing work norms. V. Ivanov. Sots. trud 7 no. 12: 65-70 D '62.

WHITE RUSSIA—RUSSIAN SOCIAL DEMOCRATIC PARTY

"Studies on the history of the Communist Party of White Russia." Vol. 1 (1863-1920). Reviewed by V. I. Martovskii, V. M. Sikorskii. Vop. ist. KPSS 7 no. 2: 122-126 F '63.

WHITE RUSSIA—SEMEN—PRESERVATION

Preserving ram sperm with carbon dioxide. IU. L. Makimov. Veterinar'ia 37 no. 11: 81-82 N '60.

WHITE RUSSIA—SERVICE INDUSTRIES

Weighty arguments. A. Rubin. Mest. prom. i khud. promys. 3 no. 12: 13 D '62.

WHITE RUSSIA—SHOE INDUSTRY

Help came from the laboratory. V. Sokolov. Mest. prom. i khud. promys. 3 no. 12: 11 D '62.

WHITE RUSSIA—SOCIAL SCIENCE RESEARCH

Work of the departments of social sciences of the White Russian institutions of higher education. Komm. Bel. 37 no. 2: 79-80 F '63.

WHITE RUSSIA—SOVIETS

New stage in the work of the standing committees of the soviets. N. Kudinov. Komm. Bel. 37 no. 2: 12-15 F '63.

WHITE RUSSIA—TELECOMMUNICATION—EMPLOYEES

The workers of leading telecommunication enterprises of White Russia are telling about their work practices. V. M. Chukovich. Vest. svyazi 23 no. 2: 28-29 F '63.

WHITE RUSSIA—WAGES—CONSTRUCTION WORKERS

Piecework wages in construction. Sots. trud 8 no. 2: 52-56 F '63.

WHITE RUSSIA—WOODY PLANTS

Rare ornamental and exotic forms of woody plants in southwestern White Russia. V. G. Antipov. Blul. Glav. bot. sada no. 45: 22-26 '62.

WHITE RUSSIAN ACTRESSES see Actresses, White Russian

WHITE RUSSIAN LANGUAGE—GRAMMAR

Harski, M. I. [Comparative grammar of the Russian and White Russian languages; phonetics and morphology] Paruna'nata gramatyka ruska i belaruskai mou; fanetyka i marfalogii; padručnik dla studentau i pedinstytutau. Minsk, Dziarža, vuchebna-pedagog. vyd-va M-va nsvety BSSR, 1962. 247 p. (MH)

WHITE RUSSIAN LITERATURE—HISTORY AND CRITICISM

Akhrynenko, P. P. [White Russian literature and folklore] Belaruskaja literatura i fa'klor. Minsk, Vyd-va M-va vyseishai, sherednai spetyial'nai i profesional'nai adukatsyi BSSR, 1962. 141 p.

WHITE RUSSIAN PAINTERS see Painters, White Russian

WHITE SEA REGION—BIRDS IN WINTER

Wintering and spring flight of the common eider in the strait of the White Sea. V. V. Makarov. Ornitologija no. 5: 28-30 '62.

WHITE SEA REGION—DUCKS

Wintering and spring flight of the common eider in the strait of the White Sea. V. V. Makarov. Ornitologija no. 5: 28-30 '62.

WHITEFISHES

(see also subdivision under Pisces, Lake; Syamozero, Lake; Vrovo, Lake)

Survival of young Coregonus peled (Gm.) at different ages and under various ecologic conditions. B. I. Ponedelko. Vop. ikht. 3 no. 1: 113-123 '63.

WHOLESALE TRADE

(see also subdivision under Kazakhstan; Virgin Territory)

"Wholesale trade of consumers' cooperatives" by A. P. Polovnikov. Reviewed by I. Lakhman. Sov. torg. 36 no. 1: 44-47 Ja '63.

WHOLESALE TRADE—INVENTORIES

Establishing norms for stocks in a wholesale enterprise. N. Morozov. Sov. torg. 36 no. 1: 12-18 Ja '63.

WILDLIFE CENSUS

Characteristics of the use of the linear transect method for censusing birds in forest areas. B. P. Dobrokhoto. Ornitologija no. 5: 379-385 '62.

Use of the method of recording the occurrences for the relative census of birds of prey. V. M. Neronov. Ornitologija no. 5: 386-391 '62.

WILL

Experimental study of will [in Georgian with summary in Russian]. L. T. Bzhaleva. Trudy Inst. psikhol. AN Gruz. SSR 13: 177-180 '62.

WILLOWS

(see also subdivision under Soviet Central Asia)

Growth and productivity of white willow plantations (Salix alba L.). M. V. Davidov. Izv. vys. ucheb. zav.; les. zhur. 5 no. 5: 9-14 '62.

WILLOWS—DISEASES AND PESTS

Tumorlike formations on a white willow. IU. B. Sinadskii. Priroda 52 no. 2: 85 '63.

WILNO see Vilnius

WINCHES

New types of freight loading devices on ships and methods of controlling them (from "Schiff und Hafen" no. 9, 1961). G. Meleshkin, V. Meleshkin. Mor. flot 23 no. 2: 36-39 F '63.

Using a scraper winch for roadbed reconditioning. V. K. Pollanskii. Put' i put. khoz. 7 no. 2: 8 '63.

WIND POWER

Akademiya nauk SSSR, Energeticheskii institut. [Methods for the development of a wind-power cadastre] Metody razrabotki vetroenergeticheskogo kadastra. Moskva, Izd-vo Akad. nauk SSSR, 1963. 103 p.

WINDBREAKS, SHELTTERBELTS, ETC.

(see also subdivision under Isyik-Kul' region)

Marukhin, S. M. [Forests of agronomic importance and their management] Lesa agronomicheskogo znacheniia i khoziaistvo v nikh. Moskva, Sel'khozizdat, 1962. 263 p. (DNAL)

WINDBREAKS, SHELTTERBELTS, ETC.—MAINTENANCE AND REPAIR

Preventing tree breakage by snow drifts. V. B. Liakhovich. Put' i put. khoz. 7 no. 2: 39 '63.

WINDING MACHINES

Possibility of designing a winding mechanism according to the parameters of the thread winding on a cylindrical bobbin. E. D. Efremov. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 6: 78-88 '62.

WINDOWS

Improving the exterior slabs of series "OD" houses. L. M. Bezverkhni, I. N. Kreizman. Stroitel' arkhitekt. Len. 25 no. 2: 13-14 F '63.

Installing and adjusting windows and doors. V. Belevich. Stroitel' 8 no. 2: 30-31, 3 of cover F '62.

WINDS

(see also subdivision under Arctic regions; Sevan Lake region)

Distribution of the modulus of the wind vector. A. S. Marchenko. Meteor. i gidrol. no. 2: 15-20 F '63.

Frequency spectra of pulsations of the horizontal component of wind velocity in the surface layer of the atmosphere. S. L. Zubkovskii. Izv. AN SSSR, Ser. geofiz. no. 10: 1425-1433 O '62.

Measuring wind velocity by various periods of averaging. N. A. Kaulin. Trudy GGO no. 129: 111-117 '62.

Selection of the intervals for averaging wind velocity and the method for calculating its gustiness. A. G. Melikhova. Trudy GGO no. 129: 101-110 '62.

Statistical characteristics of the horizontal component of the speed of wind at altitudes of 6 to 12 km. N. Z. Pinus. Izv. AN SSSR, Ser. geofiz. no. 1: 177-182 Ja '63.

WINE AND WINE MAKING see subdivision under Armenia

WINE AND WINE MAKING—ANALYSIS

Rodopulo, A. K. [Biochemical processes in wine making] O biokhimiicheskikh protsessakh v vinodelii. Moskva, Pishchepromizdat, 1962. 178 p.

WINNITSA—SHOE INDUSTRY—EQUIPMENT AND SUPPLIES

Glue mixer with a dumping mechanism. O. I. Kulikov. Leh. prom. no. 3: 64 Je-Ag '62.

WINTER see subdivision under Moscow region

WINTER SPORTS see subdivision under Sverdlovsk

WINTER SPORTS—COMPETITIONS

"White Spartakiada" of trade unions. IUR. Van'iat. Sov. profsoiuzy 19 no. 4: 31 F '63.

WIRE BROADCASTING

Concerning the technical base of wire broadcasting and radio services. I. A. Shamshin. Vest. svyazi 23 no. 2: 4-8 F '63.

Udovichenko, A. M. [Principles of radio communication and wire broadcasting techniques] Osnovy tekhniki provodnoi i radiosvazi. Moskva, Svyaz'izdat, 1962. 306 p.

WIRE DRAWING

Krasil'nikov, L. A. [Wire drawing worker; manual for on the job improvement of qualifications] Volochil'shchik provolok; posobie dla povysheniia kvalifikatsii rabochikh na proizvodstve. Moskva, Metallurgizdat, 1962. 167 p.

Magnitogorsk. Gorno-metallurgicheskii institut. [Shaping metals by pressure] Obrabotka metallov davleniem; k 26-letiu raboty kafedry obrabotki metallov davleniem MGMI. Sverdlovsk, Metallurgizdat, 1962. 107 p.

Rura, A. M. [Manufacture of diamond draw plates using electric techniques] Izgotovlenie almaznykh volok s primeneniem elektroobrabotki. Moskva, Filial Vses. in-nauchn. i tekhn. informatsii, 1958. 23 p. (Pere-dovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Toma 8. No. M-58-389/8)

WIRE FENCING see subdivision under Australia

WIRE ROPE TRANSPORTATION see Cableways

WIT AND HUMOR—PERIODICALS

New data on satirical magazines in the period of the first Russian revolution. E. I. Chelnyak. Trudy MGIAI 16: 209-210 '61.

WOMEN

(see also subdivision under Japan)

Mal'boroda, L. S. [Educational work in lodgginghouses] Vykhnova rabota v huziozhytku. [Odessa] Odes'ske knyzhkovye vyd-vo, 1960. 16 p. (Biblioteka agitatora)

Mamma's holiday. Klub 12 no. 1: 32 Ja '63.

To my sisters, daughters, and granddaughters...

N. G. Zaglada. Agitator no. 3: 3-8 F '63.

Women in the Soviet Union; figures and facts.

Agitator no. 3: 10-12 F '63.

WOMEN—BIBLIOGRAPHY see Bibliography—Women

WOMEN—CONGRESSES

The World Congress of Women. Nov. vrem. 20 no. 10: 9 Mr '63.

WOMEN—EMPLOYMENT

(see also subdivision under Alma-Ata; Belgium)

The control staff of the seven-year plan at work. Elena Chernobrovkina. Rabotnitsa 40 no. 3: 4-5 Mr '62.

From the pages of the press. Sov. Soluz no. 3: 28-29 '63.

A house is born in a workshop. I. Nemtsov. Rabotnitsa 40 no. 3: 9-10 Mr '62.

Problems of the working women. Vsem. prof. dvizh. no. 2: 40 F '63.

Significance of the Convention No. 100. Jan Kabourek. Vsem. prof. dvizh. no. 2: 41-43 F '63.

Women. The Safonov brothers. Sov. profsoiuzy 19 no. 4: 12-13 F '63.

Women. The Safonov brothers. Sov. profsoiuzy 19 no. 4: 12-13 F '63.

WOMEN—RIGHTS OF WOMEN

(see also subdivision under South Africa, Republic of; Soviet Central Asia)

Real equality. Sov. iust. no. 5: 1-3 Mr '63.

Soviet woman. D. Smirnova. Part. zhizn' no. 5: 8-13 Mr '63.

WOMEN—SOCIETIES, ETC.

Good news from women's councils, V. Kopchenov and others, *Rabotnitsa* 40 no. 3:25 Mr '62.

WOMEN—STATISTICS

Russia (1923- U.S.S.R.) Tsentral'noe statisticheskoe upravlenie. [Women and children in the U.S.S.R.; statistics] *Zhenshchiny i deti v SSSR; statisticheskiy sbornik*. Izd. 2. Moskva, Gosstatizdat, 1963. 202 p. Women in the U.S.S.R. *Vest.stat.* no. 2:91-95 '63.

WOMEN, MOHAMMEDAN

Humiliating traditions, A. Akhiev. *Nauka i rel.* 4 no. 1: 66-68 Ja '63.

WOMEN, POLISH

"Reminiscences of a mother" by Marcjanna Fornalska. Translated from the Polish. Reviewed by Nina Kalenychenko. *Ukraina* no. 13:15 Ji '62.

WOMEN AND PEACE

The fate of peace is in the hands of the peoples. *Rabotnitsa* 40 no. 7:1-3 Ji '62.

A hand shake across the ocean, V. Vavilina. *Rabotnitsa* 40 no. 7:12-13 Ji '62.

WOMEN AS ENGINEERS

The chief engineer, A. Pries. *Rabotnitsa* 40 no. 3: 1-2 Mr '62.

WOMEN AS JUDGES

A distinguished career, B. Vanin. *Sov. iust.* no. 5:17-19 Mr '63.

WOMEN IN AERONAUTICS

Mistress of the world above the clouds, V. Nikolaev. *Grazhd. av.* 19 no. 10:12 O '62.

WOMEN IN AGRICULTURE see subdivision under Ukraine

WOMEN IN CONSTRUCTION

Women are in the first ranks of the builders of communism. *Mont. i spets. rab. v stroi.* 25 no. 3:1-4 Mr '63.

WOMEN IN LITERATURE

Theme of love and criticism of bride purchase in the works of Arip Tanfirbergenov [in Kazakh with summary in Russian]. O. Esnazarov. *Izv. AN Kazakh. SSR, Ser. filol. i isk.* no. 3: 79-89 '62.

Women in works of Kazakh oral tradition [in Kazakh with summary in Russian]. S. Tolshibaeva. *Izv. AN Kazakh. SSR, Ser. filol. i isk.* no. 3:37-43 '62.

WOMEN IN PUBLIC LIFE

(see also subdivision under Uzbekistan)

"Women participants of the great creation" by A. V. Artiukhina. Reviewed by E. Rusakova. *Agitator* no. 5: 62-63 Mr '63.

WOOD—CHEMISTRY

Chemical composition of the wood of coniferous and deciduous species, V. N. Kozlov, N. I. Koroleva, G. I. Popova. *Trudy Inst. khim. UFAN SSSR* no. 6:3-9 '61.

Obtaining furfural and organic acids in a composite processing of birchwood by hydrolysis, A. D. Mishin, A. M. Serebrennikova, T. F. Filatova. *Trudy Inst. khim. UFAN SSSR* no. 6:87-92 '61.

Reorganization of scientific research work, S. V. Chepigo. *Gidroliz. i lesokhim. prom.* 16 no. 1:4-6 '63.

Resins obtained by wood thermolysis and their application, D. V. Tishchenko. [Trudy] *NTO bum. i der. prom.* no. 8:257-268 '59.

Results of the development of the wood chemicals industry in the U.S.S.R. and its future tasks, A. N. Khlyzov. [Trudy] *NTO bum. i der. prom.* no. 8:232-240 '59.

Toward labor victories in the fifth year of the seven-year plan. *Gidroliz. i lesokhim. prom.* 16 no. 1:1-3 '63.

Ways of utilizing wood waste as fuel and a source of chemical products, B. N. Iasinskii. [Trudy] *NTO bum. i der. prom.* no. 8:267-277 '59.

WOOD—CHEMISTRY—BIBLIOGRAPHY see Bibliography—Wood—Chemistry

WOOD—MOISTURE

Leont'ev, N. L. [Effect of moisture on the physico-mechanical properties of wood] *Vlianie vlazhnosti na fiziko-mekhanicheskie svoystva drevessiny*. Moskva, Goslesbumizdat, 1962. 113 p.

WOOD—PRESERVATION

"Protection of structural elements from rot and combustion. Regulations for carrying out and inspecting their construction and assembly." *Blul. stroi. tekhn.* 20 no. 2:13-14 F '63.

WOOD—TESTING

Leont'ev, N. L. [Effect of moisture on the physico-mechanical properties of wood] *Vlianie vlazhnosti na fiziko-mekhanicheskie svoystva drevessiny*. Moskva, Goslesbumizdat, 1962. 113 p.

Measuring dynamic deformations by wire strain-gauges, V. V. Pamfilov. *Trudy Brian. tekhn. inst.* 9:316-323 '60.

Methods for testing wooden rods for longitudinal impact by an electron-beam apparatus, V. V. Pamfilov. *Trudy Brian. tekhn. inst.* 9:324-329 '60.

Physical and mechanical properties of birch wood from the Karelian A.S.S.R. *Trudy Brian. tekhn. inst.* 9:111-117 '60.

Studying wood deformations in impact testing, V. V. Pamfilov. *Trudy Brian. tekhn. inst.* 9:330-332 '60.

WOOD, COMPRESSED—TESTING

Investigating the creeping and relaxation of stresses in compressed wood during bending, G. Laptiev, A. Kodnashin. *Sbor. stud. nauch.-issl. rab. VSKHI* 1 no. 1:125-128 '62.

WOOD CARVING, BURYAT

Buryat wood carving; Soviet period, A. V. Tumakhani. *Etn. sbor.* no. 2:66-70 '61.

WOOD CARVING see subdivision under Buryat A.S.S.R.

WOOD-DECAYING FUNGI see subdivision under Perm Province; Siberia

WOOD DISTILLATION

Basic results of work on the dry distillation of wood in apparatus with inside heating, V. I. Koriakin. [Trudy] *NTO bum. i der. prom.* no. 8:241-256 '59.

Pyrolysis of the wood of various portions of coniferous and deciduous trees, V. N. Kozlov, B. A. Sokolov. *Trudy Inst. khim. UFAN SSSR* no. 6:11-16 '61.

Results of investigating the yield of the products of poplar wood pyrolysis, R. Kh. Bagrova, E. S. Deriagina, V. N. Kozlov. *Trudy Inst. khim. UFAN SSSR* no. 6:23-32 '61.

Yield of liquid products in wood pyrolysis, V. N. Kozlov and others. *Trudy Inst. khim. UFAN SSSR* no. 6:17-22 '61.

WOOD-OIL

Neutral substances in the pyrolyzate of wood-tar oils. Report No. 1: Isolation of carbonyl compounds from neutral oils, A. N. Kisiltayn, N. L. Gusevskaya, *Gidroliz. i lesokhim. prom.* 16 no. 1:23-24 '63.

WOOD TAR

Tar softener for rubber, T. I. Fedorishchev, N. A. Riabinin, M. N. Kalganov. *Gidroliz. i lesokhim. prom.* 16 no. 1:15-16 '63.

Yield and composition of the settled tar in the pyrolysis of various portions of coniferous and deciduous trees, V. N. Kozlov and others. *Trudy Inst. khim. UFAN SSSR* no. 6:23-27 Ja '63.

WOOD-USING INDUSTRIES

Chikov, I. A. [Combined lumbering and wood processing enterprises] *Kompleksnye isozagotovitel'nye predpriyatiya s pererabotkoi drevessiny*. Moskva, Goslesbumizdat, 1960. 63 p.

Diversified use of the wood of hardwood species, A. K. Slavyanskii. *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5: 140-142 '62.

WOOD-USING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Wood-Using Industries

WOOD WASTE

Riches burning on bonfires, I. A. Karpov. *Sov. profsoyuzy* 19 no. 3:3-5 F '63.

Ways of utilizing wood waste as fuel and a source of chemical products, B. N. Iasinskii. [Trudy] *NTO bum. i der. prom.* no. 8:267-277 '59.

WOODEN BRIDGES see Bridges, Wooden

WOODPULP

Bisulfate cooking with magnesium-base acid, A. I. Bobrov. *Bum. prom.* 38 no. 1:12-14 Ja '63.

Effect of bleaching on the degree of polymerization of low viscosity viscose cellulose, S. D. Antonovskii, M. M. Chochieva, Z. A. Zhdanova. *Bum. prom.* 38 no. 2:17-19 F '63.

Effect of noncellulose components on the reactivity of beech sulfate pulp, A. Kramar, A. Ebringerova. *Khim. volok.* no. 3:29-32 '62.

Microphotography of brown woodpulp, B. F. Nikandrov. *Izv. vys. ucheb. zav.; les. zhur.* 5 no. 5:104-110 '62.

New developments in the theory of sulfite cooking of woodpulp, M. G. Ellashberg. [Trudy] *NTO bum. i der. prom.* no. 8:96-122 '59.

Some problems of rheology and grinding of fibrous vegetable materials, N. I. A. Solechnik, V. P. Alkin. [Trudy] *NTO bum. i der. prom.* no. 8:144-169 '59.

Use of lumbering wastes for the manufacture of fibrous semifinished products, A. S. Kossov. *Bum. prom.* 38 no. 1:20-39 Ja '63.

WOODPULP INDUSTRY

(see also subdivision under Archangel; Balakhna; Kherson; Priozersk; Stupino)

Improve the production technology of viscose pulp and its quality, K. N. Malyshkin. *Bum. prom.* 38 no. 2:3-5 F '63.

Let's speed up the creation and putting into operation of new production enterprises, *Bum. prom.* 38 no. 1:1-3 Ja '63.

Manufacture of woodpulp with a low iron content, Z. N. Naumova, I. A. Nagrodskii. *Bum. prom.* 38 no. 2:15-17 F '63.

New developments in the technology of woodpulp production in foreign countries, N. N. Nepenin. [Trudy] *NTO bum. i der. prom.* no. 8:54-95 '59.

WOODPULP INDUSTRY—BIBLIOGRAPHY see Bibliography—Woodpulp Industry

WOODPULP INDUSTRY—BY-PRODUCTS

Theory of the continuous alcohol fermentation process of wood hydrolyzates and sulfite liquors, K. P. Andreev. [Trudy] *NTO bum. i der. prom.* no. 8:206-213 '59.

WOODPULP INDUSTRY—ELECTRONIC EQUIPMENT

Sampling device with an electronic pulse generator, V. G. Breksan. *Bum. prom.* 38 no. 1:24-25 Ja '63.

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

(see also subdivision under Karelia)

Conference on the manufacture of debarking pulpstones, *Bum. prom.* 38 no. 1:33 Ja '63.

Ushkov, N. I., V. G. Naumov, and P. B. Turovskii. [Assembly and installation of technological equipment in enterprises of the woodpulp and paper industry] *Montazh tekhnologicheskogo oborudovaniya predpriyatiy tsellulozno-bumazhnoi promyshlennosti*. Moskva, Goslesbumizdat, 1962. 310 p.

Mechanized lid for digesters, M. T. Veretsun. *Bum. prom.* 38 no. 2:24-25 F '63.

Pay more attention to the quality of ceramic tiles for the lining of digesters, V. P. Mylnikov. *Bum. prom.* 38 no. 2:31-32 F '63.

Provide the paper industry enterprises with modern Soviet equipment, V. N. Umberg. *Bum. prom.* 38 no. 1:7-8 Ja '63.

Removal of bark from wood chips (from "Paper Trade Journal," Dec. 1952; "Forest Products Journal," no. 11, 1961), L. N. Nikolaev. *Bum. prom.* 38 no. 1:31-33 Ja '63.

Soviet "DTA-01" debarking device, A. P. Potolov. *Bum. prom.* 38 no. 1:28 Ja '63.

[Technology and equipment of the papermaking and printing industry] *Ref. zhur.; Tekhn. i obr. bumazgodel. i poligr. proizv.* nos. 1-2 Ja-F '63.

Using the 4NF pump for the transfer of paper stock, A. M. Litvinenko. *Bum. prom.* 38 no. 1:22-24 Ja '63.

Wastepaper cleaner, M. V. Ilnitskii. *Bum. prom.* 38 no. 1:26 Ja '63.

WOODPULP INDUSTRY—RESEARCH

(see also subdivision under China)

Make better use of the recommendations of the Scientific and Technical Society, S. G. Gorchakov. *Bum. prom.* 38 no. 1:9 Ja '63.

Preparation of chips in cutover areas, I. V. Kossel. *Bum. prom.* 38 no. 1:30-31 Ja '63.

The problem of the manufacture of bleached sulfate pulp has to be solved, N. V. Rukhin, S. A. Shkarin. *Bum. prom.* 38 no. 1:10 Ja '63.

Reports and elections of the organizations of the Scientific and Technical Society, *Bum. prom.* 38 no. 1:2 of insert Ja '63.

Second Plenum of the Central Administration of the Scientific and Technological Society, *Bum. prom.* 38 no. 2:4 of insert F '63.

Seminar on the utilization of hard woods and use of acids with soluble and semisoluble bases for pulp cooking, *Bum. prom.* 38 no. 2:2-4 of insert F '63.

Some problems in the further development of woodpulp and paper manufacture; from reports of the members of the First All-Union Conference on the Theory and Practices of the Woodpulp, Paper, and Woodworking Industries, [Trudy] *NTO bum. i der. prom.* no. 8: 299-314 '59.

Thermodynamics of some processes of woodpulp and paper production, K. P. Mishchenko. [Trudy] *NTO bum. i der. prom.* no. 8:52-53 '59.

WOODWORKING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Woodworking Industries

WOODWORKING MACHINERY

Scraper type barker for thin and short-length pulpwood, N. I. Rylov. *Bum. prom.* 38 no. 2:26-27 F '63.

Semiautomatic multiple-purpose machine for working wooden strips, E. M. Dudetski. *Bull. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 1:50-51 '63.

WOODY PLANTS

(see also subdivision under Donetsk Basin; Rybinsk Reservoir region; Tien Shan; White Russia)

Effect of changing photoperiods on the development of woody plant seedlings [with summary in English], I. L. Aerov. *Ukr. bot. zhur.* 19 no. 6:39-47 '62.

WOODY PLANTS—WATER REQUIREMENTS

Soil moisture and suction force of the leaves of woody plants, V. F. Ri. *Trudy Brian. tekhn. inst.* 9:285-289 '60.

WOOL

Technical specifications for the accounting for glue and wool, M. L. Derbarmidkor. *Kozh.-obuv. prom.* 5 no. 1:38-39 Ja '63.

WOOLEN AND WORSTED MANUFACTURE

All-Union conference for studying woolen fabrics with a new structure and finishing. *Leb. prom.* no. 3:82-83 Je-Ag '62.

Gusev, V. E. [Efficient methods of processing wool and synthetic fibers] *Ratsional'nye metody pererabotki shersti i khimicheskikh volokon*. Moskva, Rostekhtizdat, 1962, 357 p.

Make wider use of reclaimed wool. V. Evtigneev, *Mest. prom. i khud. promys.* 4 no. 2:18-19 F '63.

WOOLEN AND WORSTED MANUFACTURE—STANDARDS

[Woolen fabrics and piece goods] *Tkani sherstnyye i shchuchnye izdeliia*. Izd. ofitsial'naya, Moskva, Standartgiz, 1962, 115 p. (SSSR, Gosudarstvennye standarty)

WORK

Akademii meditsinskikh nauk SSSR, Moscow, [Research on the physiology of work processes] *Issledovaniia po fiziologii trudovykh protsessov*. Pod obshch. red. A. A. Letaveta. Moskva, Medgiz, 1962, 278 p.

Basic education on models of work. V. I. An. Kul't.-pros. rab. 23 no. 6:13-15 Je '62.

Basis of human life. P. K. Anokhin. *Okhr. truda i sots. strakh.* 6 no. 2:18-20 F '63.

Economic and technical basis for the transition of agricultural labor into a form of industrial work. A. Danilov. *Komm. Uz.* 35 no. 1:57-64 Ja '63.

From each according to his abilities. S. Sukhonosov. *Mol. komm.* no. 5:80-81 My '62.

Fundamental differences between intellectual and manual work as a contradictory feature of the development of socialism [in Georgian with summary in Russian]. A. Sh. Vacheishvili. *Trudy Inst. filol. AN Gruz. SSR* 11:3-20 '62.

How to reduce fatigue during work [translated from the Polish]. Barbara Rybicka. *Okhr. truda i sots. strakh.* 6 no. 2:39-40 F '63.

Work enables man. A. Dybina. *Votov. stol. 3* no. 2: 5-6 F '63.

Work is the most important factor in the education of youth. V. Korshuk. *Mol. komm.* no. 5:75-80 My '62.

WORK, METHOD OF

"The brain and work; I. P. Pavlov's theory and problems in the scientific organization of work" by I. P. Frolov. Reviewed by V. I. Kochetkova. *Vop. antr.* no. 10:157-158 '62.

WORK CLOTHES

(see also subdivision under Moscow)

Work clothes made of petroleum-proof material. L. Stepanov, A. Petrov. *Avi. transp.* 41 no. 1:59 Ja '63.

WORK STANDARDS see Production standards

WORKINGMEN'S CLUB see subdivision under Chikment

WORKINGMEN'S LIBRARIES see Libraries, Workingmen's

WORKS COUNCILS

Trade-unions give secure protection against overtime! G. Ol'khavskii. *Okhr. truda i sots. strakh.* 6 no. 2:22-23 F '63.

Trutnev, V. N. [Council of progressive workers at a plant] *Sovet novatorov na zavode*. [Leningrad] *Lentzdat*, 1962, 41 p. (Novoe vkhodit v zhizn')

WORLD COUNCIL OF CHURCHES

Press conference of the delegation of committee workers of the World Council of Churches. *Zhur. Mosk. Patr.* no. 12:27-29 D '62.

Session of the Central Committee of the World Council of Churches in Paris, August 1962. A. Shishkin. *Zhur. Mosk. Patr.* no. 1:56-61 Ja '63.

Visitors from Geneva. M. Dobrynin. *Zhur. Mosk. Patr.* no. 12:24-26 D '62.

WORLD FEDERATION OF TRADE UNIONS

Struggle of the World Federation of Trade Unions to strengthen the international solidarity of the proletariat. Edwin Chleboun. *Vsem. prof. dvizh.* no. 2:1-2 F '63.

WORLD POLITICS

All peoples need peace. *Sov. Soiuz.* no. 3:1, 4 '63.

Brief news on international events. *Nov. vrem.* 20 no. 0: 32 Mr '63.

Brief news on international events. *Nov. vrem.* 20 no. 10:32 Mr '63.

Brief news on international events. *Nov. vrem.* 20 no. 11:30 Mr '63.

Brief notes on international events. *Nov. vrem.* 20 no. 12:32 Mr '63.

Bruz, V. S. [Peace can and should be preserved] *Mir mozha i treba zberehti*. Kyiv, 1961, 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrainy'ko RSR, Seria 4, no. 10)

Chain reaction. V. Osipov. *Nov. vrem.* 20 no. 12:6-8 Mr '63.

Cheprakov, Y. A. [Peace, work, communism] *Mir, sozhdanie, kommunizm*. Moskva, Izd-vo "Znanie," 1963, 47 p. (Novoe v zhizni, nauke, tekhnike, VII Seria; Mezhdunarodnaia, no. 4)

Concerning the news of the day. A. Solomonik, M. Iakerson. *Kul't. pros. rab.* 23 no. 2:56-59 S '62.

Current problems of world politics; international survey for June-December 1962. V. Gantman and others. *Mir. ekon. i mezhdunar. otn.* no. 1:3-23 '63.

Despite the manoeuvres of imperialism; a review of international events. M. Podkluechnikov. *Agitator* no. 13:20-31 JI '62.

Entering the year 1963... V. Granov. *Polit. samosbr.* 7 no. 1:40-56 Ja '63.

The force and weakness of inertia. H. Ia Ehrenburg. *Nov. vrem.* 20 no. 9:0-8 Mr '63.

International notes. *Nov. vrem.* 20 no. 9:21-23 Mr '63.

International notes. *Nov. vrem.* 20 no. 10:24-25 Mr '63.

International notes. *Nov. vrem.* 20 no. 11:21-23 Mr '63.

International notes. *Nov. vrem.* 20 no. 12:19-21 Mr '63.

International review. F. Seifull-Mullukov. *Agitator* no. 5:23-25 Mr '63.

[International yearbook for 1962; politics and economics] *Mezhdunarodnyi ezhegodnik: politika i ekonomika*. Vypusk 1962 g. Moskva, Gospolitizdat, 1962, 423 p.

Messner, E. [Revolt is the name of the Third World War] *Mintozh - imia Tret'ei Vsemirnoi*. Buenos Aires, Iuzhno-amerikanskii otdel In-ta po issl. problem voyny i mira im. N. N. Golovina, 1960, 111 p. (NNC)

A nonaggression pact. *Nov. vrem.* 20 no. 9:1-2 Mr '63.

Novikov, A. I. [Ideology of the doomed] *Ideologiya obruchennykh*. [Leningrad] *Lentzdat*, 1962, 138 p.

A review of political events. B. Lunin. *Komm. Uz.* 35 no. 1:80-86 Ja '63.

The seamy side of bourgeois "democracy." *Agitator* no. 4:26-28 F '63.

Struggle of the World Federation of Trade Unions to strengthen the international solidarity of the proletariat. Edwin Chleboun. *Vsem. prof. dvizh.* no. 2:1-2 F '63.

The triumph of common sense. *Ukraina* no. 1:2 Ja '63.

WORLD POLITICS—BIBLIOGRAPHY see Bibliography—World politics

WORLD WAR, 1939-1945

(see also subdivision under Arctic regions; Astrakhan Province; Crimea; Czechoslovakia; France; Germany; Kiev; Koldychevo; Leningrad Province; Norway; Ulyanovo; Vinnitsa Province; Voronezh)

Antilov, V. A. [Early phase of the Great Patriotic War, June 22 - the middle of July, 1941; a study in military history] *Nachalo Velikoi Otechestvennoi voyny*, 22 iunia - serezhina Iulia 1941 goda; voenno-istoricheski ocherk. Moskva, Voenizdat, 1962, 221 p.

The decision to start an atomic war [translated from the English]. L. Morton. *Voen. ist. zhur.* vol. 5 no. 1:70-79 Ja '63.

Falsification of the history of World War II in bourgeois historical literature. I. A. M. Goreslik, N. I. Saikhov. *Prep. ist. v shkole* 18 no. 1:46-55 Ja-F '63.

"History of the Great Patriotic War of the Soviet Union, 1941-1945." Vol. 4. Reviewed by A. Shidmanskii. *Voen. ist. zhur.* vol. 5 no. 1:87-94 Ja '63.

"History of the Great Patriotic War of the Soviet Union, 1941-1945." Vol. 4. Reviewed by V. A. Fokin. *Mor. sbor.* 46 no. 2:89-96 F '63.

"U. S. A. and England in the Second World War" by N. N. Iakovlev. Reviewed by V. K. Sultanov. *Prep. ist. v shkole* 17 no. 6:106-108 N-D '62.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Documents on the feats of Soviet fliers in the Great Patriotic War. V. N. Gaponov. *Trudy MGAI* 16:57-64 '61.

Fiery sword. A. Voronin. *Kryl. rod.* 13 no. 7:5 JI '62.

How a German fighter plane was rammed over the city of Brest. S. Smirnov. *Voen. ist. zhur.* vol. 5 no. 1:21-34 Ja '63.

Man from a legend. A. Burykh. *Kryl. rod.* 13 no. 12: 5 D '62.

My comrades-in-arms fought here. V. Borisovich. *Av. i kosm.* 45 no. 2:66-72 F '63.

"People with everlasting achievements." Reviewed by N. Kuz'min. *Kryl. rod.* 13 no. 7:24 JI '62.

Vorozheikin, A. V. [Over the Kursk arch] *Nad Kurskol dugol*. Moskva, Voenizdat, 1962, 262 p. (Voennye memuary)

WORLD WAR, 1939-1945—CASUALTIES (STATISTICS, ETC.)

Problems of peace and health. V. S. Grahul'. *Zdrav. Ros. Feder.* 7 no. 1:29-34 Ja '63.

WORLD WAR, 1939-1945—CHILDREN

Thank you, dear mother! H. Kuliashev, E. Staminok. *Rab. i slal.* 39 no. 1:7 Ja '63.

WORLD WAR, 1939-1945—DIPLOMATIC HISTORY

Maletskii, I. M. [Those who helped Hitler; reminiscences of the Soviet Ambassador] *Kto pomogal Gitteru; iz vospominanii sovetskogo posla*. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962, 197 p.

Moscow. Institut mezhdunarodnykh otnoshenii. Kafedra istorii mezhdunarodnykh otnoshenii i vneshei politiki SSSR. [History of international relations and foreign policy of the USSR] *Istoria mezhdunarodnykh otnoshenii i vneshei politiki SSSR*. Pod red. V. G. Trukhanovskogo. Moskva, Izd-vo IMO. Vol. 2, 1939-1945 gg. 1962, 683 p.

WORLD WAR, 1939-1945—DOCUMENTS, ETC., SOURCES

New documentary materials. M. Dudarenko. *Voen. ist. zhur.* vol. 5 no. 1:117 Ja '63.

WORLD WAR, 1939-1945—ECONOMIC ASPECTS

A summary of collective farm accounts during the Patriotic War. Submitted by I. V. Arutunian, V. K. Danilov, B. I. Zhuchkov. *Ist. arkh.* 8 no. 6:16-68 N-D '62.

WORLD WAR, 1939-1945—LITERATURE AND THE WAR

Kuz'michev, I. K. [Genres of Russian literature during the war years, 1941-1945] *Zhany russkoi literatury voennykh let, 1941-1945*. Gor'ki, Gor'kovskii gos. univ. im. N. I. Lobachevskogo, 1962, 453 p.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Kuznetsov, S. A. [Green rocket; stories and sketches] *Zelenai raketa; rasskazy i ocherki*. Moskva, Voenizdat, 1963, 81 p. (Biblioteka soldata i matrosa)

Marinskii, E. P. [Fifteen centimeters to earth] *Do Zemli 15 santimetrov*. Moskva, Izd-vo "Znanie," 1963, 47 p. (Novoe v zhizni, nauke, tekhnike, X Seria; Molodezhnaya, no. 3)

Memoirs of participants in the partisan movement during the period of the Great Patriotic War as an historical source. A. A. Kurnosov. *Trudy MGAI* 16:20-55 '61.

Monastyrskii, F. V. [Earth soaked with blood] *Zemlia, omytaia kroviu*. Moskva, Voenizdat, 1962, 226 p. (Voennye memuary)

Saparov, A. V. [Four notebooks; a tale of the war years] *Chetyre tetradi; povest' voennykh let*. [Leningrad] *Lentzdat*, 1962, 400 p.

Students of the Frunze School on the Volga. I. U. I. Chernov. *Mor. sbor.* 46 no. 2:30-31 F '63.

WORLD WAR, 1939-1945—PICTORIAL WORKS

A painter worthy of his heroes. Serhii Zavhorodnii. *Ukraina* no. 13:17 JI '62.

WORLD WAR, 1939-1945—PRISONERS AND PRISONS, GERMAN

Vasil'ev, A. S. [We did not surrender] *My ne sdalis*. Moskva, Voenizdat, 1963, 164 p.

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

[The antifascist resistance movement in Europe during the Second World War] *Antifashistskoe dvizhenie soprotivleniia v stranakh Evropy v gody Vtoroi mirovoi voyny*. Moskva, Sotsekgiz, 1962, 731 p.

WORMS—EGGS

Fine structure of egg membranes in leeches. T. B. Alizonshtadt, V. Ia. Brodskii. *Dokl. AN SSSR* 146 no. 3:728-730 Ja '63.

WORMS, INTESTINAL AND PARASITIC

(see also subdivision under Rybinsk Reservoir; Tatar A. S. S. R.; Uzbekistan)

Sanitary measures against helminthiasis in swine. I. V. Orlov, B. S. Moskalov. *Veterinaria* 37 no. 11:31-35 N '60.

WORMS AS CARRIERS OF DISEASE

Helminths as conductors of infection [in Georgian with summary in Russian]. N. G. Kamalov. *Trudy Tbil. GIDUV* 6:133-139 '62.

WORMWOOD

Chemical variability of the seed progeny in the Turkmen lemon wormwood. O. N. Gogol'. *Trudy po khim. prirod. soed.* no. 3:185-191 '60.

WOUNDS

Changes in vulnerary infiltrate cells cultivated in a colloid bag within the organism. P. F. Shemrai. *Sbor. nauch. trud. Vin. der. med. inst.* 18 no. 2:40-45 '58.

Development of connective tissue in a wound. P. F. Shamray. *Sbor. nauch. trud. Vin. der. med. inst.* 18 no. 1:137-155 '58.

Participation of vulnerary infiltrate cells in the development of collagen fibers. P. F. Shamrai. *Sbor. nauch. trud. Vin. der. med. inst.* 18 no. 1:156-164 '58.

WOUNDS—TREATMENT

Incompatibility of preoperative intratissual infiltration of novocaine solutions and the consecutive application of sulfanilamide powder to the wound. V. V. Varnikov. *Veterinaria* 37 no. 7:66-68 JI '60.

Treatment of poorly healing wounds with an insulin-vitamin mixture. I. V. Startsev. *Nauch. trudy Chetv. Mosk. gor. klin. bol'*, no. 1:180-185 '61.

WRAPPING MACHINES

Attachment for the type "S" automatic machine. I. D. Dobrosolvin. Khleb. i kond. prom. 7 no. 1:35 Ja '63.

WRENCHES

Power wrench with a pulse-percussion mechanism and pneumatic drive. B. L. Smolenskii, M. A. Rokhlenko. Stan. i instr. 34 no. 1:41-43 Ja '63.

WRESTLING

Borisov, I. B. [The book on strong men] Kniga o silachakh. Moskva, Izd-vo "Fizkul'tura i sport," 1962, 198 p.

WRIST—BLOOD SUPPLY

Anatomy of wrist veins in some vertebrates. G. V. Terent'eva. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:6-11 '58.

Blood supply to the Vater-Pacini corpuscles in the palmar surface skin of the wrist. E. M. Luchanskii. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:92-97 '58.

Variance in the course of the radial artery. E. M. Luchanskii. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 2:121-123 '58.

Veins in the dorsal side of the human wrist. G. V. Terent'eva. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:54-64 '58.

Veins in the palmar side of the human wrist. G. V. Terent'eva. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1:65-71 '58.

WRIST—RADIOGRAPHY

X-ray diagnosis of closed traumatic injuries of the carpal bones; personal observations and the method of study [in Georgian with summary in Russian]. N. A. Dekanozishvili. Trudy Tbil. GIDUV 6:301-312 '62.

WRIST—SURGERY

Anatomic analysis of rational surgical access in suppurative tendovaginitis of the human wrist. V. G. Ukrainskii. Sbor. nauch. trud. Vin. der. med. inst. 18 no. 1: 5-17 '58.

WRIST—WOUNDS AND INJURIES

Effect of exercise therapy on the restoration of the functions of the wrist in traumas of the radiocarpal joint [in Georgian with summary in Russian]. V. G. Kunchulia, A. A. Balushvili, L. L. Latsabidze. Trudy Tbil. GIDUV 8: 211-216 '62.

X-ray diagnosis of closed traumatic injuries of the carpal bones; personal observations and the method of study [in Georgian with summary in Russian]. N. A. Dekanozishvili. Trudy Tbil. GIDUV 6:301-312 '62.

X RAYS

Kinetics of the motion of electrons in solid bodies excited by soft X rays. N. N. Filants, U. A. Arifov, A. Kh. Aukhanov. Radiotekh. i elektron. 8 no. 2:303-310 F '63.

X RAYS—DIFFRACTION

Determination of the position of the maximum $K_{\alpha 1}$ -component of the doublet of an X-ray diffraction line from the profile of a broadened doublet line. V. V. Kukol'. Zav. lab. 29 no. 1:55-59 '63.

X-ray diffraction method for determining the diamagnetic susceptibility of certain ionic and semiconductor compounds. N. N. Sirota, N. M. Olekhovich. Dokl. AN SSSR 149 no. 1:71-73 Ja '63.

X-ray diffraction study of aqueous sulfate solutions. I. M. Shapovalov, I. V. Radchenko, M. K. Lesovitskaya. Zhur. strukt. khim. 4 no. 1:10-13 Ja-F '63.

X-ray diffraction study of the initial stage of decomposition of the solid solution in a Fe-Ni-Al alloy. I. U. A. Bagariatskii, I. G. Lukanina. Dokl. AN SSSR 148 no. 3: 573-576 Ja '63.

X RAYS—EQUIPMENT AND SUPPLIES

Use of the URPN-70-1 X-ray apparatus. I. Z. Etubov. Veterinariia 37 no. 7:68 J1 '60.

X RAYS—INDUSTRIAL APPLICATIONS

X-ray study of the solubility of impurities in beryllium. V. M. Amonenko and others. Fiz. met. i metalloved. 14 no. 6:852-856 D '62.

X rays and gamma rays in studying working processes of agricultural machines. S. K. Zaleskii. Biol. nauch. i tekhn. inform. SZNISKH no. 3:63-67 '58.

X RAYS—PHYSIOLOGICAL EFFECT

Autoradiographic detection by the use of H^3 -thymidine of the synthesis of deoxyribonucleic acid in the nerve cells of white rats after whole-body X-ray irradiation. N. D. Gracheva. Radiobiologiya 3 no. 1:81-87 '63.

Course of convulsions caused by corazole in rats at different times after exposure to ionizing radiation. T. M. Kucherenko, N. A. Rokotova. Radiobiologiya 3 no. 1: 71-75 '63.

Dehydrogenase activity of tissues after a treatment with low temperatures and ionizing radiation. I. U. K. Ledentsov. Radiobiologiya 3 no. 1:29-33 '63.

Effect of blood losses on the function of the heart of irradiated rabbits as per electrocardiographic data. M. A. Movsesian. Vop. rent. i onk. 6:193-203 '61.

Effect of whole-body X-ray irradiation on the content of ascorbic acid in some organs and the blood of white rats and guinea pigs. S. T. Ryskulova. Radiobiologiya 3 no. 1:24-28 '63.

Effect of whole-body X-ray irradiation on the restoration of corneal epithelium. V. M. Mastrukova, A. D. Strzhizhovskii. Radiobiologiya 3 no. 1:3-7 '63.

Effect of X-ray irradiation on the ultraviolet fluorescence of isolated nuclei and mitochondria. G. M. Barenboim, R. I. Pinto, K. I. Pravdina. Radiobiologiya 3 no. 1:8-12 '63.

Protective effect against X-rays of the adaptation to hypoxia in combination with an acute hypoxia. G. A. Vasil'ev, V. A. Beliaev. Radiobiologiya 3 no. 1:117-120 '63.

Protective effect of vitamin B₆ on the radiation-induced changes in the content of lipoproteins and phospholipides in liver mitochondria and phosphatides in the blood serum of rabbits. A. P. Mosin. Radiobiologiya 3 no. 1: 143-148 '63.

Radiation reaction of the anterior lobe of the hypophysis in a frog. L. A. Kashchenko. Radiobiologiya 3 no. 1: 76-80 '63.

Rate of the occurrence of leukoses in the case of single and fractional irradiation. S. N. Aleksandrov, K. F. Galikovskaya. Dokl. AN SSSR 149 no. 1:194-197 Mr '63.

Reactive posttraumatic changes in the muscular tissue after local X-ray irradiation of the thyroid gland. T. N. Tuzhilkova. Radiobiologiya 3 no. 1:67-70 '63.

X RAYS—SCATTERING

Investigating the zonal stage of decomposition in aluminum-zinc and aluminum-zinc-magnesium alloys by the method of the anomalous scattering of X rays. O. D. Shashkov, N. N. Buinov. Fiz. met. i metalloved. 14 no. 6:848-851 D '62.

Theory of the scattering of X rays and neutrons by ordered alloys; review. M. A. Krivoglas. Ukr. fiz. zhur. 8 no. 2:162-170 F '63.

Theory of X-ray scattering by crystals containing dislocations. Case of the random distribution of a screw and edge dislocations in crystals. M. A. Krivoglas, K. P. Riaboshapka. Fiz. met. i metalloved. 15 no. 1: 18-31 Ja '63.

X-ray scattering in gases, liquids, and amorphous bodies. Part 2: P. A. Bezirgandan. Zhur. tekhn. fiz. 33 no. 1: 118-126 Ja '63.

X RAYS—THERAPEUTIC USE

Fractional X-ray therapy for trichomycoses of the hairy portion of the head. G. S. Sokolenko. Zdrav. Kazakh. 22 no. 1:165-66 '62.

Results of the treatment of lymphogranulomatosis only with di-trimittin in conjunction with X-ray therapy. E. S. Gazarian, S. A. Mazmanian, L. A. Solokhova. Vop. rent. i onk. 6:265-271 '61.

Roentgenotherapy of tumors of the brain stem and the reactions of the cardiovascular system to the irradiation. F. G. Ivanov-Distlov, M. B. Kopylov. Probl. sov. neirokhir. 4:283-295 '62.

X-RAY ABSORPTION

Absorption spectra of manganese and iron in alloys and compounds of Al, Si, P, S, and Cl. S. A. Nemmonov, K. M. Kolobova. Izv. AN SSSR, Ser. fiz. 27 no. 3:399-403 Mr '63.

Calculation of the fine structure of X-ray absorption spectra of metals using Hartree fields. A. I. Kozlenkov. Izv. AN SSSR, Ser. fiz. 27 no. 3:364-377 Mr '63.

Determining the asymptotic dispersed phases according to the fine structure of X-ray absorption spectra for some metals and alloys. V. A. Batyrev. Izv. AN SSSR, Ser. fiz. 27 no. 3:361-383 Mr '63.

Method for determining the asymptotic dispersed phase on the basis of experimental data on the fine structure of X-ray absorption spectra. I. B. Borovskii, V. A. Batyrev, A. I. Kozlenkov. Izv. AN SSSR, Ser. fiz. 27 no. 3:378-380 Mr '63.

Stark effect and hybridization in X-ray K-absorption spectra. R. L. Barinskii, B. A. Malkov. Izv. AN SSSR, Ser. fiz. 27 no. 3:351-358 Mr '63.

Structure of the K-absorption spectrum of the Zn^{2+} ion. K. I. Narbut, L. K. Izralleva. Izv. AN SSSR, Ser. fiz. 27 no. 3:348-350 Mr '63.

Theory of the temperature dependence of the fine structure of X-ray absorption spectra. Case of high temperatures. V. V. Shmidt. Izv. AN SSSR, Ser. fiz. 27 no. 3:384-389 27 no. 3:384-389 Mr '63.

X-ray K-absorption spectrum and the conduction band in alkali halide crystals. K. I. Narbut, I. S. Smirnova. Izv. AN SSSR, Ser. fiz. 27 no. 3:340-347 Mr '63.

X-RAY CRYSTALLOGRAPHY

Appearance of the crystal structure of isotactic polymethyl methacrylate in infrared absorption spectra. V. N. Nikitin, N. V. Mikhailova. Dokl. AN SSSR 148 no. 3:624-626 Ja '63.

Combined magnetoelectric dipole transitions in the spectra of crystals composed of alkali fluorides with hexavalent uranium. A. A. Kaplanskii, N. A. Moskvina. Dokl. AN SSSR 148 no. 3:558-561 Ja '63.

Crystalline structure of compound $Ca_2(Y, Th)_2(Si_3F_{12})_2 \cdot CO_3 \cdot 2H_2O$. G. F. Volodina, I. M. Rumannova, N. V. Il'ina. Dokl. AN SSSR 149 no. 1:173-175 Mr '63.

Crystalline structure of the ternary compounds $TiCr_2$, Al , $MgNi_2$, $TiNi_2$, and $TiCr_2$ [with summary in English]. V. I. A. Markov, M. I. Teliuk. Dop. AN URSR no. 1607-1609 '62.

Crystalline structures of compounds rich in magnesium in the systems Er - Mg, Dy - Mg, and Y-Mg [with summary in English]. P. I. Kryp'iakevich, V. I. Ievdokymenko. Dop. AN URSR no. 12:1610-1612 '62.

Fiftieth anniversary of the discovery of X-ray diffraction in crystals; correspondence between G. V. Vol'f and U. L. Bregg. G. N. Kovan'ko. Zap. Vses. inzh. ob-va "I" no. 6:726-730 '62.

Meeting of the Section of Structural Calculations of the Commission for X-ray Study of the Academy of Sciences of the U. S. S. R. V. G. Petrov. Zhur. strukt. khim. 4 no. 1:140-141 Ja-F '63.

Preliminary X-ray study of some triphenylacetone salts. T. L. Kotsianova, R. L. Avolun. Zhur. strukt. khim. 4 no. 1:113 Ja-F '63.

Structural aspect of transfection. G. B. Rokhi, S. S. Batsanov. Zhur. strukt. khim. 4 no. 1:80-84 Ja-F '63.

Structure of $(PyH)HReCl_4$. V. G. Kuznetsov, P. A. Koz'min. Zhur. strukt. khim. 4 no. 1:55-62 Ja-F '61.

X-RAY DIFFRACTION EXAMINATION

X-ray diffraction study of ordering in alloys; review [with summary in English]. V. I. Ivoronova. Ukr. fiz. zhur. 8 no. 2:167-169 F '63.

X-ray diffraction study of ordering processes in three-component semiconductor compounds [with summary in English]. L. S. Patanik and others. Ukr. fiz. zhur. 8 no. 2:263-268 F '63.

X-RAY MICROSCOPY

X-ray microdefectoscopy. B. M. Rovinskii, V. G. Ilyutina. Zav. lab. 29 no. 1:38-41 '63.

X-RAY SPECTROSCOPY

Character of interatomic interactions and the state of internal iron atom electrons in silicides. S. A. Nemmonov, K. M. Kolobova. Fiz. met. i metalloved. 14 no. 6:874-879 D '62.

Effect of chemical bonds on the valence states of the chromium atom in various compounds. A. Z. Men'shikov, S. A. Nemmonov. Izv. AN SSSR, Ser. fiz. 27 no. 3:304-402 Mr '63.

Improving the scanning electron microscope-X-ray local microanalyzer; some of its applications. I. M. Kuchnir and others. Izv. AN SSSR, Ser. fiz. 27 no. 3: 415-419 Mr '63.

MAR-1 industrial X-ray spectrum microanalyzer. M. M. Il'in and others. Izv. AN SSSR, Ser. fiz. 27 no. 3: 420-426 Mr '63.

Method of X-ray analysis of sand crusts formed on castings. A. M. Shlimak, B. I. Markhanov. Zav. lab. 29 no. 3:315 '63.

Optimum conditions for the excitation of X-ray spectra in the 6 - 10 Å region. M. I. Korsunskii, I. I. Lukashenko. Izv. AN SSSR, Ser. fiz. 27 no. 3:400-414 Mr '63.

Proportional counters for soft X-radiation. A. P. Lukatskii, I. A. Dzytov, O. A. Ershov. Izv. AN SSSR, Ser. fiz. 27 no. 3:446-461 Mr '63.

Proportional X-ray counters. D. A. Gogunov, G. P. Gogunov. Izv. AN SSSR, Ser. fiz. 27 no. 3:436-445 Mr '63.

Proportional X-ray quantum counters and their use for X-ray spectrum analysis. K. I. Narbut and others. Izv. AN SSSR, Ser. fiz. 27 no. 3:430-437 Mr '63.

Shape of the $K_{\alpha 2}$ emission band of iron. Part 2: Transition probability as a function of energy. I. A. Nikiforov, M. A. Blokhin. Izv. AN SSSR, Ser. fiz. 27 no. 3:344-348 Mr '63.

Two-channel X-ray microanalyzer. S. A. Didenko, V. G. Bogdanov. Izv. AN SSSR, Ser. fiz. 27 no. 3:427-429 Mr '63.

X-ray L γ absorption spectra of tin, barium, lanthanum, ytterbium, and rhenium in certain compounds. N. V. Troneva. Izv. AN SSSR, Ser. fiz. 27 no. 3:403-404 Mr '63.

X-ray spectra of niobium in the system niobium-nitrogen in the α -phase region. M. I. Korsunskii, I. A. Nikiforov. Izv. AN SSSR, Ser. fiz. 27 no. 3:302-303 Mr '63.

X-ray study of transition metals of the iron group. V. V. Nemoshkalenko. Dokl. AN SSSR 148 no. 1:78-81 Ja '63.

XANTHENONE

Complex compounds of multivalent metals with trihydroxyfluorones. V. A. Nazarenko and others. Zhur. neorg. khim. 7 no. 12:2731-2738 D '62.

XEROGRAPHY

Conformity to the reciprocity law of zinc oxide electrophotographic layers. I. Z. Plavina. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:57-58 Ja-F '63.

General shape of isocapacity in the electrophotographic process. V. M. Fridkin. Zhur. nauch. i prikl. fot. i kin. 8 no. 1:36-41 Ja-F '63.

Semiconductor photographic paper and its application. L. Niunka, I. B. Sidoravicius. Bum. prom. 38 no. 2: 29-31 F '63.

- ZAPOROZH'YE—COKE INDUSTRY—QUALITY CONTROL**
Ways of improving the quality of blast furnace coke produced by the Zaporozh'ye Coke Industry. P. I. A. Kuleshov and others. *Stal'* 23 no. 1:8-10 Ja '63.
- ZAPOROZH'YE—ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR**
Poor quality work is done by the electric locomotive repair shop in Zaporozh'ye. M. E. Lemberskii. *Elek. i tepl. siaga* 6 no. 12:41 D '62.
- ZAPOROZH'YE—IRON AND STEEL PLANTS**
Thirtieth anniversary of the Zaporozh'ye metallurgical plants. G. Kh. Gabuev, A. N. Ternovskii. *Stal'* 23 no. 1:1-5 Ja '63.
- ZAPOROZH'YE—IRON AND STEEL PLANTS—MANAGEMENT**
Investigating the organization of industrial processes at the "Zaporozhstal'" Plant. E. E. Bermant. *Stal'* 23 no. 1:60-64 Ja '63.
- Some problems of work organization at the Dzerzhinskii and Zaporozhstal' metallurgical plants. S. V. Lazarev, A. N. Borodavkin, E. A. Drozin. *Stal'* 23 no. 2:172-173 F '63.
- ZAPOROZH'YE—IRON AND STEEL WORKERS—EDUCATION AND TRAINING**
Improving workers' qualifications and labor productivity. V. Perevazko. *Sots. trud* 8 no. 2:103-107 F '63.
- ZAPOROZH'YE—LIBRARIES**
Warmhearted people. M. Kanev'skaia. *Klub* 11 no. 5: 28-29 My '62.
- ZAPOROZH'YE—RETAIL TRADE**
This "salon" is for you, dear newlyweds. V. Svitlenko. *Volov. steist* 3 no. 2:25 F '63.
- ZAPOROZH'YE—WAGES—COKE INDUSTRY**
Wages in the Zaporozh'ye By-Product Coke Industry Plant. P. Kuleshov. *Sots. trud* 6 no. 2:40-44 F '63.
- ZAPOROZH'YE PROVINCE—ROOFING**
Sawdust-cement slabs for built-up roofs. I. Bondar. *Stil'bud*, 13 no. 2:18 F '63.
- ZELENODOLSK—COMMUNITY CENTERS**
Aesthetics in action. I. Levin. *Klub* 11 no. 5:31-32 My '62.
- ZEOLITES**
(see also subdivision under Transbaikalia)
New synthetic sodium zeolites and their adsorption properties. S. P. Zhdanov, N. N. Buntar'. *Dokl. AN SSSR* 147 no. 5:1118-1121 D '62.
- ZEOLITES—SPECTRA**
Proton relaxation in zeolitic water. I. V. Matias and others. *Zhur. strukt. khim.* 4 no. 1:105-107 Ja-F '63.
- ZERAVSHAN VALLEY—MERCURY ORES**
New genetic type of mercury mineralization in the Zeravshan River basin. Kh. M. Usupov. *Dokl. AN Tadzh. SSR* 3 no. 5:23-27 '60.
- ZEYA RIVER—PARASITES—BITTERLING**
On a new species of monogenetic trematodes, *Acolpenteron petruschewskyi*, adapted to habitation in the excretory system of bitterlings. I. A. Streikov. *Dokl. AN SSSR* 147 no. 5:1253-1255 D '62.
- ZEYA RIVER—TREMATODA**
On a new species of monogenetic trematodes, *Acolpenteron petruschewskyi*, adapted to habitation in the excretory system of bitterlings. I. A. Streikov. *Dokl. AN SSSR* 147 no. 5:1253-1255 D '62.
- ZEYA VALLEY—PETROLEUM GEOLOGY**
Comparative evaluation of oil and gas potentials of Mesozoic troughs in the Zeya portion of the Amur valley. I. N. Sultimov. *Geol. nefit i gaza* 9 no. 8:25-29 S '62.
- ZHABINKA—SUGAR INDUSTRY**
This settlement is still not marked on the map. I. Bhatovich. *Belarus'* 20 no. 2:10-11 F '63.
- ZHANSUGUROV, I.**
Metaphors in Zhansugurov's poem "Kulager" [in Kazakh with summary in Russian]. B. Khasanov. *Izv. AN Kazakh. SSR, Ser. filol. i isk.* no. 3:99-105 '62.
- ZHDANOV (DONETSK PROVINCE)—IRON AND STEEL WORKERS**
His name is comrade Andre. V. Andrianov. *Sov. profsoiuzy* 19 no. 5:23-24 Mr '63.
- ZHDANOVSK DISTRICT—ANTIQUITIES**
Excavations on the Karatepe hill in 1957. O. Sh. Ismailova. *Mat. kul't. Azerb.* 4:171-216 '62.
- ZHILEVO—HOUSING**
The chairman of our executive committee exceeds his authority. G. Zernitskii. *Sov. deput. trud.* no. 3:86-87 '63.
- ZHMUNSKII, VIKTOR MAKSIMOVICH, 1891-**
V. M. Zhmurskii's seventieth birthday. *Rus. fol'k.* 7:377-381 '62.
- ZHITOMIR—LARCENY**
Efficient investigation ensures the solution of criminal offenses. S. Solodovnyk. *Rad. pravo* no. 5:99 S-O '62.
- ZHITOMIR PROVINCE—ARCHIVES**
Expert evaluation of documentary materials in the Archives of Zhitomir Province. I. A. L. Tiflinskii. *Vop. arkh.* 7 no. 3:65-69 Ji-S '62.
- ZHITOMIR PROVINCE—CRIMINAL JUSTICE, ADMINISTRATION OF**
The Soviet public of Zhitomir Province maintains law and order. O. Demchenko. *Rad. pravo* no. 5:33-35 S-O '62.
- ZHITOMIR PROVINCE—FARM MECHANIZATION**
Introduction of mechanization as a means of increasing the productivity of work. O. S. Chernysh. *Mekh. sil'. hosp.* 13 no. 12:15-16 D '62.
- ZHITOMIR PROVINCE—POLITICS AND GOVERNMENT**
Volunteer participation in public inspection. H. Hlushchenko. *Rad. pravo* no. 5:26-28 S-O '62.
- ZHITOMIR PROVINCE—STOCK AND STOCKBREEDING—FINANCE**
Issuing credit to specialized collective farms. G. I. Dzerza. *Uchet i fin. v kolhoz, i sovkh.* 20 no. 1:31 Ja '63.
- ZHMYREV, BORIS ALEKSEEVICH**
Singer from Bol'shoye Nagaiino. *Kul't.-pros. rab.* 23 no. 9:19 S '62.
- ZIMELEV, GEORGI VLADIMIROVICH, 1903-1962**
Georgii Vladimirovich Zimelev; an obituary. *Avi. transp.* 41 no. 2:64 F '63.
- ZIMELEV, GRIGORI VLADIMIROVICH, 1903-1962**
Georgii Vladimirovich Zimelev; obituary. *Avi. prom.* 29 no. 2:3 of cover F '63.
- ZINC**
Application of weak acid cation exchangers for the removal of zinc from waste waters of viscose fiber plants. V. M. Barboi, L. F. Chuprina, A. V. Iudin. *Khim. volok.* no. 1:50-53 '63.
- ZINC—ELECTROMETALLURGY**
Automatic quality control of zinc electrolytes. M. A. Fishman, V. L. Klimenko, K. I. A. Nevedrov. *TSvet. met.* 36 no. 2:30-32 F '63.
- Electrodeposition of zinc with high electrolyte temperatures. A. A. Salin and others. *TSvet. met.* 35 no. 12: 13-18 D '62.
- Electrothermic method of obtaining zinc. A. K. Pinaev and others. *TSvet. met.* 36 no. 2:25-30 F '63.
- ZINC—METALLURGY**
Effect of a small amount of impurities on the self-diffusion rate of zinc [in Georgian with summary in English]. I. A. Naskidashvili, V. M. Dolidze, N. A. Maisuradze. *Trudy Inst. fiz. AN Gruz. SSR* 8:231-242 '62.
- ZINC—TESTING**
Simultaneous effect of heat treatment and external tensile loads on certain properties of polycrystalline zinc. S. I. A. Zalivadnyi, V. M. Mikhailovskii, A. K. Malik. *Fiz. met. i metalloved.* 15 no. 1:91-94 Ja '63.
- ZINC—ALUMINUM ALLOYS** see Aluminum-zinc alloys
- ZINC COMPOUNDS**
Bond refractions of zinc in tetrahedral complexes. A. V. Ablov, E. D. Ruchkin. *Zhur. strukt. khim.* 4 no. 1: 50-54 Ja-F '63.
- Structure of the K-absorption spectrum of the Zn^{2+} ion. K. I. Narbut, L. K. Izrael'skaia. *Izv. AN SSSR, Ser. fiz.* 27 no. 3:348-350 Mr '63.
- ZINC—COPPER ALLOYS** see Copper-zinc alloys
- ZINC CRYSTALS**
Anisotropy of the action of electron and gamma-irradiation on the deformation of zinc single crystals in the brittle state. O. A. Troitskii, V. I. Likhtman. *Dokl. AN SSSR* 148 no. 2:332-334 Ja '63.
- Distortion of dents in measuring the microhardness of zinc and bismuth [in Georgian with summary in English]. V. M. Dolidze. *Trudy Inst. fiz. AN Gruz. SSR* 8:221-230 '62.
- Electron microscope study of the natural faces of zinc [in Georgian with summary in English]. G. I. Natsvishvili. *Trudy Inst. fiz. AN Gruz. SSR* 8:243-252 '62.
- ZINC FERRATES—THERMODYNAMIC PROPERTIES**
Thermodynamic properties and crystallochemical characteristics of zinc ferrite solid solutions with magnetite. G. P. Popov and others. *Dokl. AN SSSR* 148 no. 2:357-360 Ja '63.
- ZINC INDUSTRY** see subdivision under Ukraine
- ZINC ORES** see subdivision under Transbaikalia
- ZINC OXIDE**
Introducing a new method for the production of zinc oxide for needs of the paint and other branches of industry. A. K. Evdokimova, M. V. Potapov, A. K. Shakhmazarov. Remarks by I. A. Kostianovskii and others. Authors' response. *TSvet. met.* 35 no. 12:69-72 D '62.
- Precipitation of zinc oxide in a low-frequency acoustic field. V. I. Nikitenko, V. I. Turubarov. *Lakokras. mat. i kh. prim.* no. 1:61-64 '63.
- ZINC PHOSPHATES** see subdivision under Transbaikalia
- ZINC PLATING**
Plating. V. A. [Zinc and cadmium plating] *TSinkovanie i kadmirovanie*. Pod red. P. M. Viacheslavova. Izd. 2., dop. i perer. Moskva, Mashgiz, 1961. 46 p. (Biblioteka gal'vanotekhnika, no. 2)
- ZINC SULFIDE**
Decomposition of zinc and lead sulfide minerals by nitric acid solutions. A. I. Chernilovskaya, G. A. Tsyganov. *Uzb. khim. zhur.* 6 no. 6:5-10 '62.
- ZININ, NIKOLAI NIKOLAEVICH, 1812-1880**
Noteworthy dates in science and technology. *Shkola i protiv.* 6 no. 8:95-96 Ag '62.
- ZIRCONIUM**
Application of mathematical methods of experiment designing during the study of the mechanism of zirconium extraction. L. N. Komissarova and others. *Zav. lab.* 29 no. 3:327-330 '63.
- Extraction of zirconium and hafnium with n-tributyl phosphate from solutions containing nitric and hydrochloric acids. A. M. Reznik and others. *Radiokhim. i at. energ.* 5 no. 1:49-50 '63.
- Mathematical model for the process of extractive separation of hafnium and zirconium with tributyl phosphate. I. V. Granovskii and others. *Zav. lab.* 29 no. 1:60-65 '63.
- Screening experiments during the study of zirconium extraction by tributyl phosphate. I. V. Granovskii and others. *Zav. lab.* 29 no. 3:321-320 '63.
- ZIRCONIUM—ANALYSIS**
Complexometric determination of zirconium and thorium with xylenol orange. R. S. Volodarskaya, G. N. Dorovianko. *Zav. lab.* 29 no. 1:20-20 '63.
- ZIRCONIUM—SPECTRA**
Spectra of the M-series of Zr, Nb, and Mo and the M-emission bands of Nb and Mo. A. P. Luktrakh, T. M. Zimkina. *Izv. AN SSSR, Ser. fiz.* 27 no. 3:330-330 Mr '63.
- ZIRCONIUM CHLORIDES**
Formation of ZrO_2Cl_2 in the slowing down of fission fragments in chlorine containing gases. I. Zvara and others. *Dokl. AN SSSR* 148 no. 3:555-557 Ju '63.
- ZIRCONIUM HALIDES—DENSITY**
Orthobaric densities and critical parameters of zirconium (IV) and hafnium (IV) halides. L. A. Niselsaen, T. D. Sokolova. *Zhur. neorg. khim.* 7 no. 12:2653-2660 D '62.
- ZLATOUST—ARCHIVES**
Close cooperation of Zlatoust Archives with the local museum. N. A. Kostikov. *Vop. arkh.* 7 no. 3:69-70 Ji-S '62.
- ZNAMENKA (KAZAKHISTAN)—COOPERATIVE SOVIETERS**
Careless attitude to merchandising. A. Danilova. *Koop. Kazakh.* 5 no. 10:47-48 O '62.
- ZOOGEOGRAPHY** see subdivision under Arctic regions
- ZOOLOGICAL MUSEUMS** see subdivision under Moscow
- ZOOLOGY**
Tomlin, A. G. [System of the animal world (characteristics of basic groups)] *Sistema zhiivotnogo mira (kharakteristika osnovnykh grupp)*; uchebnoe posobie dlia studentov zootekhnicheskogo i agronomicheskogo fakul'tetov. Moskva, Vses. sel'khoz. in-t zoonicheskogo obrazovaniia, 1962. 34 p.
- ZOOLOGY—ECOLOGY**
Some characteristics of the geographical variability of rodents in a solid area as exemplified by field mice of the genus *Clothronomys*. V. N. Bol'shiakov, S. S. Shvarts. *Trudy Inst. biol. UFAN SSSR* no. 29:20-44 '62.
- ZOOLOGY—LABORATORY MANUALS**
Shilov, I. A. [Laboratory manual on the ecology of terrestrial vertebrates] *Praktikum po ekologii nazemnykh pozvonochnykh zhiivotnykh*. Moskva, Gos. izd-vo "Vysshiaia shkola," 1961. 146 p.
- ZOOLOGY—STUDY AND TEACHING**
Connection between theory and practice in the study of mammals. E. V. Soredenko. *Biol. v shkole* no. 6:22-25 N-D '62.
- ZOOLOGY—VARIATION**
Colorimetric study of the variability of color in rodents under experimental conditions as related to the problem of hybrid populations. A. V. Pokrovskii, V. S. Smirnov, S. S. Shvarts. *Trudy Inst. biol. UFAN SSSR* no. 20:15-28 '62.
- Materials on the variability of American minke in the Urals. V. N. Pavlinin. *Trudy Inst. biol. UFAN SSSR* no. 29:97-110 '62.
- Overcoming the universal mutation barrier with mutations of the X-chromosome exceeding 100%. I. A. Ruzsop. *Dokl. AN SSSR* 148 no. 3:690-690 Ja '63.
- ZOOPLANKTON** see subdivision under Kuylyshkov Reservoir
- ZUSKIN, VENIAMIN L'VOVICH**
People and meetings. V. I. Likh. *Teatr* 24 no. 1:84-88 Ja '63.
- ZUTIS, JANIS, 1893-1962**
Janis Zutis; obituary. *Nov. i noveish. ist.* no. 6:164 '62.
- ZVONAREV, KLIMENT ALEKSANDROVICH, 1902-**
Birthday of K. A. Zvonarev. *Vest. LGU* 17 no. 24:162-163 '62.
- ZYRYANKA VALLEY—GEOLOGY, STRUCTURAL**
Tectonics of the southwestern part of the Zyryanka Trough. V. F. Ogal. *Dokl. AN SSSR* 147 no. 5:1154-1166 D '62.
- ZYRYANOVSK DISTRICT—MINING ENGINEERING**
Results of tests of the chamber mining system without pillars on the bottom in the "Zyryanovsk" Mine. V. I. Imeritov, R. M. Gamburg, D. M. Kazikaev. *Gor. zhur.* no. 2:18-23 F '63.

Monthly Index *of* Russian Accessions



Volume 16, No. 3

June 1963

THE LIBRARY OF CONGRESS
WASHINGTON : 1963

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1945 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1947. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Electric action of the brain in glaucoma. L.S.Levina, G.M.Neishtadt. Vestnik, 30 no.5: 8-12 S-O '51.

Explanation: An article with title given above in English translation, written by L. S. Levina and G. M. Neishtadt, will be found in the September-October 1951 issue of *Vestnik oftalmologii*, vol. 30, no. 5, pages 8-12.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves () around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington 25, D. C.

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

Price of single copies varies; subscription price, \$12.00 a year domestic, \$16.00 a year foreign. Price of Cumulative Index to Volumes 1-3, \$1.50; to Volume 4, \$0.60.

L. C. card, 48-46562

*Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.	CaSSU	University of Saskatchewan, Saskatoon, Canada
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.	CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
AU	University of Alabama, University	CoD	Denver Public Library
AzU	University of Arizona, Tucson	CoDM	Medical Society of the City and County of Denver
C	California State Library, Sacramento	CoFS	Colorado State University, Fort Collins
CCC	Honold Library, Claremont, Calif.	CoU	University of Colorado, Boulder
CFS	Fresno State College, Fresno, Calif.	CtHT	Trinity College, Hartford, Conn.
CL	Los Angeles Public Library	CtU	University of Connecticut, Storrs
CLCM	Los Angeles County Museum Library, Los Angeles	CtW	Wesleyan University, Middletown, Conn.
CLL	Los Angeles County Law Library, Los Angeles	CtY	Yale University, New Haven
CLM	Los Angeles County Medical Association, Los Angeles	CtY-L	— Law Library
CLSU	University of Southern California, Los Angeles	CtY-M	— Medical School Library
CLU	University of California at Los Angeles	DAIA	American Institute of Architects Library, Washington, D. C.
CMthL	University of California, Lick Observatory, Mount Hamilton	DAL	U. S. Army Library, Pentagon Building
CPT	California Institute of Technology, Pasadena	DBC	U. S. Bureau of the Census Library
CSf	San Francisco Public Library	DBS	U. S. National Bureau of Standards Library
CSFA	California Academy of Sciences, San Francisco	DC	U. S. Department of Commerce Library
CSfU	University of San Francisco, San Francisco	DCU	Catholic University of America Library, Washington, D. C.
CSmH	Henry E. Huntington Library, San Marino, Calif.	DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
CSl	Stanford College Libraries, Stanford, Calif.	DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
CSl-H	— The Hoover Institution on War, Revolution, and Peace	DFR	Board of Governors of the Federal Reserve System
CSl-L	— Lane Medical Library	DI	U. S. Department of the Interior Library
CSlBS	University of California, Santa Barbara Library, Goleta	DI-GS	— Geological Survey Library
CSlmoR	Rand Corporation, Santa Monica, Calif.	DM	U. S. Bureau of Mines Library. (Library integrated with DI)
CU	University of California, Berkeley	DN	U. S. Department of the Navy Library
CU-A	— University of California, Davis	DN-HO	— Naval Oceanographic Office Library
CU-B	— Bancroft Library, Berkeley	DN-Ob	— Naval Observatory Library
CU-E	— East Asiatic Library, Berkeley	DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
CU-M	— Medical Center, San Francisco	DNAL	National Agricultural Library
CU-Riv	— College of Arts, Letters and Science, Riverside	DNH	National Institutes of Health Library, Bethesda, Md.
CU-S	— Scripps Institution of Oceanography, La Jolla	DNLM	U. S. National Library of Medicine
CaAEU	University of Alberta, Edmonton, Canada	DNW	U. S. National War College Library, Fort McNair
CaBVA	Vancouver Public Library, Vancouver, Canada	DP	U. S. Patent Office Library
CaBVaU	University of British Columbia, Vancouver, Canada	DS	U. S. Department of State Library
CaBVIPA	Provincial Archives, Victoria, Canada	DSC	Scottish Rite Supreme Council Library
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada	DSI	Smithsonian Institution Library, Washington, D. C.
CaOKQ	Queen's University, Kingston, Canada	DSI-AO	— Astrophysical Laboratory Library
CaOL	London Public Library, London, Canada	DSI-E	— Bureau of American Ethnology Library
CaOOA	Public Archives Library, Ottawa, Canada	DSI-M	— National Museum Library
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada	DWB	U. S. Weather Bureau Library
CaOLU	University of Western Ontario, London, Canada	DeU	University of Delaware, Newark
CaOOF	Department of Finance Library, Ottawa	FMU	University of Miami, Coral Gables, Fla.
CaOOG	Geological Survey of Canada, Ottawa, Canada	FTaSU	Florida State University, Tallahassee
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada	FU	University of Florida, Gainesville
CaOOH	Laboratory of Hygiene, Ottawa, Canada	GAT	Georgia Institute of Technology, Atlanta
CaOOM	Bureau of Mines Library, Ottawa	GEU	Emory University, Atlanta
CaOON	National Research Council, Ottawa, Canada	GU	University of Georgia, Athens
CaOONM	National Museum, Ottawa, Canada	I	Illinois State Library, Springfield
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada	IArg	Argonne National Laboratory, Argonne, Ill.
CaOOU	University of Ottawa, Ottawa, Canada	IC	Chicago Public Library
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada	ICA	Art Institute of Chicago, Chicago
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)	ICAC	American College of Surgeons Library, Chicago
CaOTU	University of Toronto, Toronto, Canada	ICF	Chicago Natural History Museum, Chicago
CaQMAI	Arctic Institute of North America, Montreal, Canada	ICJ	John Crerar Library, Chicago
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal	ICMILC	Midwest Inter-Library Center, Chicago
CaQMM	McGill University, Montreal, Canada	ICN	Newberry Library, Chicago
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal	ICU	University of Chicago, Chicago
		ICU-Y	Yerkes Observatory, Williams Bay, Wis.
		ICarBS	Southern Illinois University, Carbondale
		IEN	Northwestern University, Evanston, Ill.
		IEN-M	— Medical School Library, Chicago
		IHI	Illinois State Historical Library, Springfield
		IU	University of Illinois, Urbana

IaAS	Iowa State University of Science and Technology, Ames	MiU-L	— Law Library
IaU	State University of Iowa, Iowa City	MnSJ	James Jerome Hill Reference Library, St. Paul
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho	MnU	University of Minnesota, Minneapolis
IdU	University of Idaho, Moscow	MnU-B	— Bio-Medical Library
In	Indiana State Library, Indianapolis	MnU-L	— Law Library
InIA	Indiana Academy of Science Library, Indianapolis	MoFC	Central College, Fayette, Mo.
InLP	Purdue University, Lafayette, Ind.	MoKL	Linda Hall Library, Kansas City
InNd	University of Notre Dame, Notre Dame, Ind.	MoRM	University of Missouri School of Mines and Metallurgy, Rolla
InU	Indiana University, Bloomington	MoS	St. Louis Public Library
KAS	St. Benedict's College, Atchison, Kan.	MoSB	Missouri Botanical Garden, St. Louis
KMK	Kansas State University, Manhattan	MoSU	St. Louis University, St. Louis
KU	University of Kansas, Lawrence	MoSW	Washington University, St. Louis
KU-L	— School of Law Library	MoU	University of Missouri, Columbia
KU-M	— Medical Center Library, Kansas City	MsSM	Mississippi State University, State College
KyU	University of Kentucky, Lexington	MsU	University of Mississippi, Oxford
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.	MtBC	Montana State College, Bozeman
LU	Louisiana State University, Baton Rouge	MtU	Montana State University, Missoula
MA	Amherst College, Amherst, Mass.	N	New York State Library, Albany
MB	Boston Public Library	NB	Brooklyn Public Library
MBA	American Academy of the Arts and Sciences, Boston	NBB	Brooklyn Museum Libraries, Brooklyn
MBat	Boston Athenaeum, Boston	NBC	Brooklyn College, Brooklyn
MBM	Boston Medical Library, Boston	NBG	Brooklyn Botanic Garden, Brooklyn
MBN	Boston Society of Natural History, Boston	NBM	Academy of Medicine of Brooklyn Library, Brooklyn
MBU	Boston University	NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.	NBuB	Buffalo Society of Natural Sciences, Buffalo
MCM	Massachusetts Institute of Technology, Cambridge, Mass.	NCH	Hamilton College, Clinton, N. Y.
MH	Harvard University, Cambridge, Mass.	NCornC	Corning Glass Works Library, Corning, N. Y.
MH-A	— Arnold Arboretum, Jamaica Plain	NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
MH-AH	— Andover-Harvard Theological Seminary Library	NIC	Cornell University, Ithaca, N. Y.
MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.	NIC-A	— State Colleges of Agriculture and Home Economics
MH-BL	— Biological Laboratories Library	NN	New York Public Library
MH-C	— Chemistry Library	NNA	American Geographical Society, New York
MH-F	— Farlow Reference Library	NNBG	New York Botanical Garden, Bronx Park, New York
MH-FA	— Fogg Art Museum Library	NNC	Columbia University, New York
MH-G	— Gary Herbarium Library	NNC-L	— Law Library
MH-GM	— Gordon McKay Library	NNC-M	— Medical Library
MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)	NNC-T	— Teachers College Library
MH-L	— Law School Library	NNCC	Chemists' Club, New York
MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston	NNCCi	College of the City of New York, New York
MH-Mi	— Mineralogical Library	NNCorM	Cornell University Medical College Library, New York
MH-O	— Astronomical Observatory, the Phillips Library	NNE	Engineering Societies Library, New York
MH-P	— Peabody Museum Library	NNF	Fordham University, New York
MH-PR	— Physics Research Library	NNIS	Library for Intercultural Studies, New York
MH-SD	— Graduate School of Design Library	NNJ	Jewish Theological Seminary of America, New York
MH-Z	— Museum of Comparative Zoology Library	NNM	American Museum of Natural History, New York
MMeT	Tufts University, Medford, Mass.	NNMM	Metropolitan Museum of Art Library, New York
MNS	Smith College, Northampton, Mass.	NNNAM	New York Academy of Medicine, New York
MWelC	Wellesley College, Wellesley, Mass.	NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
MWhB	Marine Biological Laboratory, Woods Hole, Mass.	NNR	Russell Sage Foundation, College of the City of New York
MdAN	U. S. Naval Academy, Annapolis	NNRI	Rockefeller Institute for Medical Research, New York
MdBJ	Johns Hopkins University, Baltimore	NNU	New York University Libraries, New York
MdBWA	Walters Art Gallery, Baltimore	NNU-H	— University Heights Library
MdU	University of Maryland, College Park	NNU-W	— Washington Square Library
MeB	Bowdoin College, Brunswick, Maine	NNUN	United Nations Library, New York
MeWC	Colby College, Waterville, Maine	NPV	Vassar College, Poughkeepsie, N. Y.
MiD	Detroit Public Library	NRE	Eastman Kodak Company, Rochester, N. Y.
MiDA	Detroit Institute of Arts	NRU	University of Rochester, Rochester, N. Y.
MiDW	Wayne State University, Detroit	NSyU	Syracuse University, Syracuse, N. Y.
MiEM	Michigan State University, East Lansing	NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
MiMidD	Dow Chemical Company, Midland, Mich.	NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
MiU	University of Michigan, Ann Arbor	NbU	University of Nebraska, Lincoln
MiU-C	— William L. Clements Library		

NcD	Duke University, Durham, N. C.	PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
NcGW	Woman's College of the University of North Carolina, Greensboro	PPF	Franklin Institute, Philadelphia
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh	PPPM	Philadelphia Museum of Art
NcU	University of North Carolina, Chapel Hill	PPT	Temple University, Philadelphia
NdU	University of North Dakota, Grand Forks	PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
Nh	New Hampshire State Library, Concord	PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
NhD	Dartmouth College, Hanover, N. H.	PPiCI	Carnegie Institute of Technology, Pittsburgh
NjI	Irvington Free Public Library, Irvington, N. J.	PPIU	University of Pittsburgh, Pittsburgh
NjMuA	Air Reduction Company, Inc., Central Research Department Library, Murray Hill	PRosC	Rosemont College, Rosemont, Pa.
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.	PSC	Swarthmore College, Swarthmore, Pa.
NjN	Newark Public Library, Newark, N. J.	PSt	Pennsylvania State University, University Park
NjP	Princeton University, Princeton, N. J.	PU	University of Pennsylvania, Philadelphia
NjR	Rutgers University, New Brunswick, N. J.	PU-BZ	— Botany-Zoology Library
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park	PU-El	— Moore School of Electrical Engineering Library
NvU	University of Nevada, Reno	PU-FA	— School of Fine Arts Library
O	Ohio State Library, Columbus	PU-Math	— Mathematics-Physics Library
OCH	Hebrew Union College, Cincinnati	PU-Mu	— University Museum Library
OCLloyd	Lloyd Library and Museum, Cincinnati	PU-Penn	— Penniman Library of Education
OCU	University of Cincinnati, Cincinnati	PU-Se	— Towne Scientific School Library
OCI	Cleveland Public Library	RPB	Brown University, Providence, R. I.
OCIBHS	Benedictine High School, Cleveland	RU	University of Rhode Island, Kingston
OCICS	Case Institute of Technology, Cleveland	TCU	University of Chattanooga, Chattanooga, Tenn.
OCJC	John Carroll University, Cleveland	TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
OCIM	Cleveland Medical Library	TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
OCIMA	Cleveland Museum of Art	TU	University of Tennessee, Knoxville
OCIW	Western Reserve University, Cleveland	TxCM	Agricultural and Mechanical College of Texas, College Station
OCob	Battelle Memorial Institute, Columbus	TxDaM	Southern Methodist University, Dallas
ODW	Ohio Wesleyan University, Delaware, Ohio	TxHR	Rice Institute, Houston
OHi	Ohio State Historical Society, Columbus	TxLT	Texas Technological College, Lubbock
OO	Oberlin College, Oberlin, Ohio	TxU	University of Texas, Austin
OOxM	Miami University, Oxford, Ohio	ULA	Utah State University of Agriculture and Applied Science, Logan
OSte	Carnegie Library, Steubenville, Ohio	ViBlbV	Virginia Polytechnic Institute, Blacksburg
OU	Ohio State University, Columbus	ViU	University of Virginia, Charlottesville
OUCA	Chemical Abstracts, Ohio State University, Columbus	ViU-L	— Law Library
OkS	Oklahoma State University, Stillwater	ViW	College of William and Mary, Williamsburg
OkU	University of Oklahoma, Norman	VtMiM	Middlebury College, Middlebury, Vt.
OrCS	Oregon State University, Corvallis	VtU	University of Vermont and State Agricultural College, Burlington
OrPR	Reed College, Portland, Ore.	WAP	Institute of Paper Chemistry, Appleton
OrU	University of Oregon, Eugene	WHi	State Historical Society of Wisconsin, Madison
P	Pennsylvania State Library, Harrisburg	WU	University of Wisconsin, Madison
PBL	Lehigh University, Bethlehem, Pa.	WaU	University of Washington, Seattle
PBm	Bryn Mawr College, Bryn Mawr, Pa.	WvU	West Virginia University, Morgantown
PHC	Haverford College, Haverford, Pa.		
PLF	Franklin and Marshall College, Lancaster, Pa.		
PP	Free Library of Philadelphia		
PPAN	Academy of Natural Sciences, Philadelphia		
PPAmP	American Philosophical Society, Philadelphia		
PPC	College of Physicians of Philadelphia		

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 16, NO. 3

JUNE 1963

TABLE OF CONTENTS

Part A—Monographic Works

	Page
1. General.....	619
2. Bibliography.....	619
3. Philosophy & Religion.....	619
4. History.....	620
5. Social Sciences.....	621
6. Political Science.....	624
7. Law.....	625
8. Education.....	625
9. Music, Theater & Motion Pictures.....	626
10. Fine Arts.....	626
11. Language, Literature & Folklore.....	627
12. Geography & Geology.....	630
13. Science.....	632
14. Medicine.....	633
15. Agriculture.....	634
16. Technology.....	636
17. Military & Naval Sciences.....	647

Part B—Periodicals

1. General	
a. Scholarly journals.....	648
b. Popular magazines.....	648
2. Bibliography	
a. Bibliography.....	649
b. Libraries & library science.....	649
c. Printing & the book trade.....	649
3. Philosophy & Religion	
a. Philosophy.....	649
b. Religion.....	649
4. History	
a. General.....	650
b. Archaeology & antiquities.....	650
5. Social Sciences	
a. Commerce.....	650
b. Economics.....	650
c. Finance.....	650
d. Labor.....	650
e. Sociology.....	650
6. Political Science.....	651
7. Law.....	651
8. Education	
a. General.....	651
b. Physical education & games.....	652

	Page
9. Music, Theater & Motion Pictures	
<i>a.</i> Motion pictures.....	652
<i>b.</i> Music.....	652
<i>c.</i> Theater.....	652
10. Fine Arts	
<i>a.</i> General.....	652
<i>b.</i> Architecture.....	652
11. Language, Literature & Folklore	
<i>a.</i> Language.....	652
<i>b.</i> Literature & folklore.....	652
12. Geography & Geology	
<i>a.</i> Ethnology.....	653
<i>b.</i> Geography.....	653
<i>c.</i> Geology & paleontology.....	653
13. Science	
<i>a.</i> General.....	654
<i>b.</i> Astronomy.....	654
<i>c.</i> Biology.....	654
<i>d.</i> Chemistry.....	654
<i>e.</i> Mathematics.....	655
<i>f.</i> Physics.....	655
14. Medicine	
<i>a.</i> General.....	655
<i>b.</i> Gynecology, obstetrics & pediatrics.....	.....
<i>c.</i> Neurology & psychiatry.....	655
<i>d.</i> Ophthalmology & otorhinolaryngology.....	655
<i>e.</i> Pathology & therapeutics.....	655
<i>f.</i> Pharmacy & materia medica.....	655
<i>g.</i> Public health & nursing.....	.....
<i>h.</i> Surgery & dentistry.....	655
<i>i.</i> Venereology & dermatology.....	.....
15. Agriculture	
<i>a.</i> General.....	655
<i>b.</i> Animal industry.....	656
<i>c.</i> Forestry.....	656
<i>d.</i> Plant culture.....	656
16. Technology	
<i>a.</i> General.....	656
<i>b.</i> Aeronautics.....	657
<i>c.</i> Chemical technology.....	657
<i>d.</i> Civil & construction engineering.....	657
<i>e.</i> Electrical engineering.....	658
<i>f.</i> Industries & trades.....	658
<i>g.</i> Mechanical engineering.....	658
<i>h.</i> Mining & metallurgy.....	659
17. Military & Naval Sciences	
<i>a.</i> Military science.....	659
<i>b.</i> Naval science.....	660
Part C—List of Periodicals Indexed and Abbreviations Used.....	661
Subject Index to Monographs and Periodicals.....	666

Periodicals Available in English Translation Cover-to-Cover.

1. GENERAL

[CHILDREN'S ENCYCLOPEDIA FOR THE MIDDLE AND OLDER GROUPS] Detskaya entsiklopediya dlia srednego i starshogo vozrasta. Moskva, Izd-vo Akad. nauk RSFSR. Vol. 8. [Our Soviet motherland] Nasha Sovetskaya Rodina. 1962. 622 p.

[LITHUANIAN ENCYCLOPEDIA] Lietuviu enciklopedija. [Boston] Lietuviu enciklopedijos leidykla. [In Lithuanian] Vol. 28. Skara - Stoska. [1963] 544 p.

TALLINN. LINNAMUSEUM. [Peter I, House and Museum] Pēterī Majamuuseum. Tallinn, 1961. 35 p. [Parallel texts in Estonian and Russian]

2. BIBLIOGRAPHY

OSIPOV, V. O. [Belles lettres in bookstores] Khudozhestvennaya literatura v knizhnom magazine. Moskva, Iskusstvo, 1961. 93 p. (MH)

RUSSIA (1917- R. S. F. S. R.) Glavnoe upravlenie uchebnykh zavedenii i kadrov. [Bibliography of local history; a course program] Kraevedcheskaya bibliografiya; programma kursa dlia uchashchikhsia biblioteknykh institutov. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 10 p.

SHNEEROV, L. A. [Linotype composing machines] Nabornye strokootlivnye mashiny; konstruktسيا i tekhnicheskoe obsluzhivanie. Moskva, Izd-vo "Iskusstvo," 1962. 606 p.

[UKRAINIAN PUBLISHERS' CATALOG OF BOOKS FOR 1961] Knyhy vydavnytsiv Ukrainy za 1961 rik; spysok vypushchenoi literatury. Kharkiv, Vyd-vo knyzhkovoi palaty URSR, 1962. 645 p.

VLADIVOSTOK. PRIMORSKAIA KRAEVAIA BIBLIOTEKA IMENI A. M. GOR'KOGO. [Maritime Territory; recommended list of literature] Primorskii kraj; rekomendatsii ukazatel' literatury. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 115 p. [MICROFILM]

3. PHILOSOPHY & RELIGION

AKADEMIIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Institut psikhologii. [Abilities and interests] Sposobnosti i interesy. Pod red. N. D. Levitova i V. A. Krutetskogo. Moskva, Izd-vo APN RSFSR, 1962. 306 p.

AKHMEROV, Z. S. [Educating atheists] Vospityvat' ateistov; iz opyta raboty shkol' Tatarskoi ASSR. Moskva, Izd-vo APN RSFSR, 1962. 103 p.

ASTAKHOV, I. D. [What is aesthetics? Aesthetics as a science] Chto takoe estetika? Estetika kak nauka. [Moskva] Izd-vo Mosk. univ., 1962. 111 p. (Narodnyi universitet kul'tury na domu)

AVERIN, N. M. [The law of our life] Zakon nashoi zhizni. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 21 p. (Besedy o moral'nom kodekse stroitelstva kommunizma)

BOKAREV, P. I. [Good and evil] Dobro i zlo. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 46 p.

CHERTKOV, V. P. [The kernel of dialectic] Iadro dialektiki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

CHETVERIKOV, IVAN. [Saint Nicholas, the worker of miracles] Sviatitel' Nikolai Chudotvorets. Hertsbruck, Izd. Protselrei Nikolai Vagials, 1948. 36 p. (MH)

DARMANS'KYI, P. F. [If altars were able to speak] Iakby zahovoryly oltari; rozpovid' kolyshn'oho sviashchenyka. Kyiv, Vyd-vo "Molod," 1962. 118 p.

DUBROVSKI, I. I. [Sacred obligation] Sviashchennata obiazannost'. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 23 p. (Besedy o moral'nom kodekse stroitelstva kommunizma)

GAK, G. M. [Molding the new man] Formirovanie novogo cheloveka. Moskva, Izd-vo VPSi i AON pri TsK KPSS, 1962. 62 p.

GONCHARUK, S. I. [Matter and the forms of its existence] Material i formy ee sushchestvovaniia. Moskva, Gospolitizdat, 1962. 43 p. (Metodicheskie sovery po filosofii)

GULIAN, C. I. [Hegel's methodology and system. Translated from the Rumanian] Metod i sistema Gegella. Moskva, Izd-vo inostr. lit-ry. Vol. 1. 1962. 444 p.

IOZEFINI, A. [Spiritism and the discrediting of "miracles." Translated from the Rumanian] Spirytizm i rozvinchannia "chudes." Kyiv, T-vo dlia poshyrennia polit. i nauk. znan' URSR, 1962. 78 p. (Dlia vdmalyvoho dopytlyvoho)

KASYMZHANOV, A. KH. [Problem of the coincidence of dialectics with logic and the theory of knowledge; based on V. I. Lenin's "Philosophical notebook"] Problema sovpadeniia dialektiki, logiki i teorii poznaniia; po filosofskim tetradiam V. I. Lenina. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 197 p.

KESSIDI, F. KH. [Philosophical and aesthetic views of Heraclitus of Ephesus; on the 2500th anniversary of his birth] Filosofskie i esteticheskie vzglyady Geraklita Efesskogo; 2500 let so dnia rozhdeniia. Moskva, Izd-vo Akad. khudozh., 1963. 163 p.

KHACHATURIAN, A. B. [Basic phases in the development of pre-Marxist philosophy] Ob osnovnykh etapakh razvitiia domarksistiskoi filosofii. Moskva, Vysshiaia shkola, 1963. 83 p. (Materialy k lekttsiiam po filosofii)

KOMAROV, V. N. [Cosmos, God, and the eternity of the world] Kosmos, Bog i vechnost' mira. Moskva, Gos. izd-vo polit. lit-ry, 1963. 213 p.

KOROPATOV, P. F. [Whom does "God's word" serve] Komu sluzhit "slovo Bozhe." Vladivostok, Primorskoe knizhnoe izd-vo, 1961. 53 p.

LENN, V. I. [Communist ethics] Pro kommunistychnu moral'. [Kyiv] Derzhpolitydyav URSR, 1962. 394 p.

LERMAN, A. N. [Mirza Fatali Akhundov in the Russian press, 1837-1962; a bibliography] Mirza Fatali Akhundov v russkoi pechati, 1837-1962 gg.; bibliografiya. Baku, Azerbaidzhanskaiia respublikanskaiia biblioteka im. M. F. Akhundova, 1962. 232 p.

LOBOVYK, B. O. [Causes of the origin of religious beliefs] Prychyny vynykennia religiiynykh viruvan'. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 54 p.

LYSENKO, O. IA. [Communism and the formation of a new man] Kommunizm i formuvannia novoi liudyny. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 98 p. (Problemy kommunistychnoho budivnytstva v svitli rishen' XXII z'izdu KPSS)

MOKYKLU MOKSLINIO TYRIMO INSTITUTAS. [Methodological problems in the atheistic education of students] Mokintu ateistinio auklejimo metodikos klausimai; straisniu rinkinys. Kaunas Valstyvines pedagogines literaturos leidykla, 1962. 56 p. (Mokytojo bibliotekale) [In Lithuanian]

MUSABAIEVA, N. A. [Problem of causation in philosophy and biology] Problema prichinnosti v filosofii i biologii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 292 p.

ODUEVA, N. K. [Transition from sensation to thought; the mental development of children] O perekhode ot oslichushcheniia k mysli; k istorii unistvennogo razvitiia rebenka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 118 p.

[ORTHODOX CLERGY IN LATVIA, 1920-1940] Pravoslavnoe dukhovenstvo v Latvii, 1920-1940; sbornik dokumentov. Riga, Latvinskoe gos. izd-vo, 1962. 191 p.

[PHILOSOPHICAL ENCYCLOPEDIA] Filosofskaiia entsiklopediia. Glav. red. F. V. Konstantinov. Chleny red. kollegii: V. F. Asmus i dr. Moskva, Gos. nauchn. izd-vo "Sovetskaiia entsiklopediia." Vol. 2. Diz'iunktisia - Komicheskoe. 1962. 575 p. (Entsiklopedii, slovari, spravochniki)

[PRINCIPLES OF YOUR LIFE] Printsipy tvoei zhizni; besedy o moral'nom kodekse stroitelstva kommunizma. Moskva, Gospolitizdat, 1963. 134 p.

[PROBLEMS OF ATHEISM] Pytaniia ateizmu; khrestomatia. Kyiv, Derzhpolitydyav URSR, 1962. 649 p.

RUSAKOVA, E. I. [One for all and all for one] Odin za vsekh, vse za odnogo. Moskva, Gospolitizdat, 1963. 46 p. (Moral'nyi kodeks stroitelstva kommunizma)

[RUSSIAN ORTHODOX CHURCH IN THE U. S. S. R.] Russkaiia Pravoslavnaia Tserkov' v SSSR; sbornik. Munich, Izd-vo Tsent. ob"edineniia polit. emigrantov iz SSSR, 1962. 244 p.

SARBEI, V. II. [Falsity of sectarian theology] Obludnisti sektants'koho bohoslov'ia. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 56 p.

SILAEV, N. E. [Aesthetics of work] Estetika truda. Moskva, Izd-vo "Iskusstvo," 1962. 89 p.

STEPANOV, P. IA., and M. F. TROIANOV'S'KYI. [Behind sacred walls] Za sviatymy muramy. [Kyiv] Kyiv'ske osh. knyzhkovy-gazetne vyd-vo, 1962. 79 p.

SUKHOMLIN'SKII, V. A. [Thoughts about man] Duma o cheloveke. Moskva, Gospolitizdat, 1963. 116 p. (Iz scrii o kommunisticheskoi morali)

UTKIN, S. S. [Studies on Marxist-Leninist ethics] Ocherki po marksistско-leninskoi etike. Moskva, Sotsekgiz, 1962. 421 p.

VASILEV, L. L. [Mysterious phenomena of human psychology] Tainstvennye iavleniia chelovecheskoi psikhiki. Izd. 2., ispr. i dop. Moskva, Gospolitizdat, 1963. 166 p.

VITKOVSKI, I. G. [Truth about the "holy" wells] Pravda o "sviatiakh" istochnikakh. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 45 p. (Veruiushechii, prochiti etu knigu!)

VOITKO, V. I. [Basic principles of atheism] Osnovy ateizmu. Kyiv, Radians'ka shkola, 1962. 212 p.

VOROBIOV, I. F., and A. D. KOGAN. [Marxist-Leninist philosophy] Marksysts'ko-lenins'ka filosofii; populiarnyi pidruchnyk. Vyd. 2., perer. i dop. Kyiv, Derzhpolitydyav URSR, 1962. 515 p.

4. HISTORY

- ABA LKHEN, B. S. [The Ukrainian people in the Patriotic War of 1812] Ukrains'kyi narod u vitchyznaniyi vinni 1812 r. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 61 p. (CSt-H)
- AKADEMIA NAUK SSSR. Institut istorii. [Studies on the history of Brazil] Ocherki istorii Brazila. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1962. 567 p.
- AKADEMIA NAUK URSR. Institut istorii. [The history of agricultural collectivization in the Ukrainian S.S.R., 1917-1937] Istoriia kolektivizatsii sil'skoho hospodarstva Ukrainy'koi RSR, 1917-1937 rr.; zbirnyk dokumentiv i materialiv u tr'okh tomakh. Kyiv, Vyd-vo akad. nauk URSR. Vol. 1. [Development of collective farms in the Ukraine, 1917-1927] Kolhospne budivnytstvo na Ukraini, 1917-1927 rr. 1962. 846 p.
- APTHEKER, HERBERT. [The colonial era. Translated from the English] Kolonial'na era. Moskva, Izd-vo inostr. lit-ry, 1961. 198 p. (istoriia amerikanskogo naroda) (IEN)
- BALAGUROV, I. A. [Industrial serfs in Karelia in the 16th and 19th centuries] Priipensye krest'iane Karelii v XVIII-XIX vv. Petrozavodsk, Karelskoe knizhnoe izd-vo, 1962. 350 p.
- BELETSKII, V. N. [The Soviet Union and Austria; the Soviet Union's struggle for the restoration of an independent democratic Austria and the establishment of friendly relations with her, 1938-1950] Sovetskii Soizuz i Avstriia; bor'ba Sovetskogo Soizuz za vozrozhdeniye nezavisimoi demokraticheskoi Avstrii i ustanovleniye s nei dr. zhestvennykh otnoshenii, 1938-1960 gg. Moskva, Izd-vo In-ta mezhd.narodnykh otnoshenii, 1962. 341 p.
- BELIAVSKII, M. T., and N. I. PAVLENKO, comps. [Reader on the history of the U.S.S.R., the 18th century] Khrestomatia po istorii SSSR, XVIII v. Pod red. L. G. Beskrov'nogo i B. B. Kafengauza. Moskva, Sotssekgiz, 1963. 766 p.
- BLINOV, A. I. [Revolutionary dictatorship of the Radical Republicans during the Reconstruction Era in the U.S.A., 1866-1868] Period revoliutsionnoi diktatury radikal'nykh respublikantsev vo vremia rekonstruktsii SSHA, 1866-1868 gg. Krasnoarsk, Krasnoarskii gos. pedagog. in-t, 1960. 341 p.
- BOCHARNIKOVA, V. I. [The partisan movement in Omsk Province during the years of the civil war and foreign military intervention, 1918-1919] Partizanskoe dvizheniye v Omskoi oblasti v gody grazhdanskoi volny i inostrannoii voennoi intervetsii, 1918-1919 gg. Omsk, Obshchestvo po rasprostaneniyu polit. i nauchn. znaniy RSFSR, Omskoe obl. otd-nie, 1960. 66 p. (MH)
- BONDAREVSKAIA, T. P. A. V. Shotman. Moskva, Gospolitizdat, 1963. 47 p.
- BURMISTROVA, T. I. U. [The nationalities policy of the Bolshevik Party during the first Russian revolution, 1905-1907] Natsional'naya politika partii bol'shevikov v pervoi russkoi revoliutsii, 1905-1907 gody. [Leningrad] Izd-vo Leningr. univ., 1962. 242 p.
- CHUBAR'IAN, A. O. [The Treaty of Brest-Litovsk] Brestskii mir. Moskva, Gospolitizdat, 1963. 44 p. (Stranitsy istorii Sovetskoi Rodiny)
- DUBINSKII, I. V. [Baggers sound the alert] Trubachi trubiat trevogu. Moskva, Voenizdat, 1962. 308 p. (Voennye memuary)
- DUBINSKII, I. V. [Baggers sound the alert; a chronicle of heroic days] Sarmachi surmliat' tryvogu; khronika heroichnykh dni. Kyiv, Radians'kyi pys'mennik, 1961. 337 p. (MH)
- DZOTSENDZE, GEORGII. [Glorious fortieth anniversary. Slavonic sorokaletie. Tbilisi, Nakaduli, 1961]. 78 p. [In Georgian] (MH)
- ETERNAL AND UNSHAKEN FRIENDSHIP] Druzhiba velikaia, vechnaia. Moskva, Gospolitizdat, 1962. 253 p.
- [FRENCH YEARBOOK; articles and source materials on the history of France, 1961] Frantsuzskii ezhegodnik; stat'i i materialy po istorii Frantsii, 1961. Moskva, Izd-vo Akad. nauk SSSR, 1962. 539 p.
- [FROM THE HISTORY OF THE FORMATION OF A NEW TYPE OF PARTY; report of the Bolsheviks to the International Socialist Congress in 1904] Iz istorii sozdaniia partii novogo tipa; doklad bol'shevikov Mezhdunarodnomu Sotsialisticheskomu Kongressu v 1904 g. Moskva, Gospolitizdat, 1963. 109 p.
- GAMBURG, I. K., and others. [Life and work of M. V. Frunze] M. V. Frunze; zhizn' i deiatel'nost'. Pod obshch. red. F. N. Petrova. Moskva, Gospolitizdat, 1962. 349 p.
- GORDLEVSKII, V. A. [Selected works] Izbrannye sochineniia. Moskva, Izd-vo vostochnoi lit-ry. Vol. 3. [History and culture] Istoriia i kul'tura, 1962. 587 p.
- HERRIOT, EDUARD. [From the past; between two wars, 1914-1936. Translated from the French] Iz proshlogo; mezhdu dvumia voynami 1914-1936. Red. i vstup. stat'ia A. Z. Manfreda. Moskva, Izd-vo inostr. lit-ry, 1958. 769 p. (IaU)
- [HISTORY OF GEORGIA] Istoriia Gruzii; uchebnoe posobie. [By] N. A. Berdzenishvili i dr. Tbilisi, Gos. izd-vo uchebno-pedagog. lit-ry. Vol. 1. [From the ancient period to the 1860's] S drevneishikh vremen do 60-kh godov XIX veka. 1962. 509 p.
- IANIN, V. L. [The burgomasters of Novgorod] Novgorodskie posadniki. [Moskva] Izd-vo Mosk. univ., 1962. 386 p. illus, plates, tables. (CaOTU) (MH) (NN)
- IGNATENKO, I. M. [Cooperation of the poor peasants with the White Russian proletariat in the struggle for the victory of the October Revolution, 1917-1918] Bednolshche krest'ianstvo - soizuznik proletariata v bor'be za pobedu Oktjabr'skoi revoliutsii v Belorussii, 1917-1918 gg. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 497 p.
- [IN THE RANKS FOREVER] Navechno v stroiu. Moskva, Voenizdat. Book 4. 1962. 181 p.
- [IN THE RING OF FIRE; reminiscences on the defense of the city of Lenin and the defeat of the occupation forces of German fascists in the Leningrad region] V ognennom kol'tse; vospominaniia uchastnikov oborony goroda Lenina i razgroma nemetsko-fashistkikh zakhvatchikov pod Leningradom. Moskva, Gospolitizdat, 1963. 212 p.
- KALEKINA, O. P. [Outline history of the publication of Marxist literature in Russia, 1870-1917] Ocherki po istorii izdaniia marksistskoi literatury v Rossii, 1870-1917 gg. Moskva, Vysshaya shkola, 1962. 238 p.
- KASYMENKO, O. K. [The patriotic war of 1812 was a striking expression of national patriotism] Vitchyzniana voina 1812 roku - iaskravnyi vyvay narodnoho patriotizmu. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 31 p.
- KESAREV, S. P., A. N. KOROLEV, and S. G. PICHUGOV. [The Special Brigade; a historical sketch] Osobaya brigada; istoricheskii ocherk. Moskva, Voenizdat, 1962. 242 p.
- KHIZENKO, I. A. [Resurrected pages] Ozhivshie stranitsy. Moskva, Voenizdat, 1963. 102 p.
- KHOREZMSKAIA ARKHEOLOGO-ETNOGRAFICHESKAIA EKSPEDITSIIA, 1937- [Materials of the Khorezm Archaeological and Ethnographical Expedition, 1937] Materialy. Pod obshch. red. S. P. Tolstova. Moskva, Izd-vo Akad. nauk SSSR. No. 4. [Field research of the Khorezm Expedition in 1957] Polevyie issledovaniia Khorezmskoi ekspeditsii v 1957 godu. 1960. 205 p. No. 6. [Field research of the Khorezm Expedition in 1958-1961] Polevyie issledovaniia Khorezmskoi ekspeditsii v 1958-1961 gg. [Pl] 1. [General report. Monuments of the primeval and ancient times] Obshchii otchet. Pamiatniki pervobytnogo i antichnogo vremeni, 1963. 272 p.
- KONDRAT'EV, I. [Lenin in Kazan] Lenin v Kazani. Izd. 2. Kazan', Tatarskoe knizhnoe izd-vo, 1962. 86 p.
- KREMER, I. S. [German proletariat in the struggle for peace with Soviet Russia, November 1917 - February, 1918] Germanskii proletariat v bor'be za mir s Sovetskoi Rossiei, noabr' 1917 g. - fevral' 1918 g. Moskva, Izd-vo Akad. nauk SSSR, 1963. 160 p.
- KRIVOSHEIN, S. M. [True war story; notes of a commanding officer of a mechanized corps] Ratnaia byl'; zapiski komandira mekhanizirovannogo korpusa. [Moskva] Molodaia gvardiia, 1962. 253 p.
- KULICHENKO, M. I. [Communist Party of the Ukraine in the struggle for the establishment of the U.S.S.R.] Komunisticheskaia partiia Ukrainy v bor'be za ustvoreniia SRSR. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 180 p.
- KURBATOV, G. L. [Cities in the early period of the Byzantine Empire; the city of Antioch in the fourth century] Rannevizantiskii gorod; Antiohiia v IV veke. [Leningrad] Izd-vo Leningr. univ., 1962. 204 p.
- LENIN, V. I. [Complete works] Polnoe sobranie sochinenii. Izd. 5. Moskva, Gospolitizdat. Vol. 36. [March-June, 1910] Mart - iun' 1910. 1963. 579 p.
- LEROV, L. M. [You are acquainted with them... sketches] Vy s nimi znakomy... ocherki. Moskva, Izd-vo "Pravda," 1963. 46 p. (Biblioteka "Ogonek," no. 8)
- MAREK, K. W. [Narrow ravine and Black Mountain. Translated from the German] Uzkoie ushel'ie i Chernata gora. Moskva, Izd-vo vostochnoi lit-ry, 1962. 213 p. (CU)
- MASLOV, A. G. [Pages out of the past; reminiscences on the struggle for the establishment of the Soviet regime in the Kalmyck A.S.S.R.] Stranitsy bylogo; iz vospominanii uchastnika bor'by za ustanovleniye Sovetskoi vlasti v Kalmykii. Elista, Kalmytskoe gos. izd-vo, 1962. 155 p.
- MASOLOV, N. V. [Zola Kruglova's secret] Taina Zoi Kruglovoi. [Leningrad] Leningrad, 1962. 60 p.
- MASSON, V. M. [Ancient farmers in South Turkmenistan. A concise guide to the monuments of ancient agriculture] Drovnie zemledel'tsy na Iuge Turkmenistana. Kratkiy putevoditel' po pamiatnikam drevnezemledel'cheskoi kul'tury. Ashkhabad, Turkemenskoe gos. izd-vo, 1960. 36 p. (NJP)
- MERSON, G. N. [Courage] Muzhestvo. Riga, Latvinskoe gos. izd-vo, 1962. 61 p.
- [MILITANT RELAY RACE OF GENERATIONS] Boevaya estafeta pokolenii; ocherki i dokumenty o gorodcheskikh podvigakh komсомол'tsvo Armii i Flota. Moskva, Voenizdat, 1963. 551 p.
- NEMIROVSKII, A. I. [History of ancient Rome and Italy; origin of the class society and class state] Istoriia davnego Rima i Italii; vozniknoveniye klassovogo obshchestva i gosudarstva. Voronezh, Izd-vo Voronezhskogo univ., 1962. 298 p.
- NEVEROV, I. P., and D. A. VLADIMIRSKII. [Historical monuments of the city of Sverdlovsk and of Sverdlovsk Province] Istoriicheskie pamiatniki goroda Sverdlovsk i Sverdlovskoi oblasti. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 147 p. (MH)
- NIKOL'SKII, N. S. [As the price of life] Tsenoi zhizni. Moskva, Gospolitizdat, 1963. 93 p. (Geroi i podvigi)
- OKULEVICH, G. [Russians in Canada; history of Russian workers' and farmers' clubs (1930-1940) and the Federation of Russian Canadians (1941-1962)...] Russkie v Kanado; istoriia russkikh rabocheformerskikh klubov imeni M. Gor'kogo (1930-1940) i Federatsii russkikh kanadtssov (1941-1962)... Toronto, Izd. Glav. Pravleniia Federatsii russkikh kanadtssov, 1962. 326 p. (CaOTU)
- OLENEV, I. E. [The pages of eternal glory] Sterlkiy nemechnikoi slavy. Kyiv, Molod', 1962. 105 p.
- [ORSHA; sketch on its history and economy] Orsha; istoriko-ekonomicheskii ocherk. Minsk, Gosizdat BSSR, 1962. 122 p.
- PAKHOMOV, E. A. [The coins of Azerbaijan] Monety Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR. No. 2. 1963. 157 p.
- PRITSKER, D. P. [Heroic deeds of the Spanish Republic, 1930-1939] Podvig Ispanskoi respubliki, 1930-1939. Moskva, Sotssekgiz, 1962. 446 p.

- RUSSIA. (1923- U. S. S. R.) *Komissia po izdaniu diplomaticheskikh dokumentov*. [Documents on the foreign policy of the U. S. S. R.] Dokumenty vneshnei politiki SSSR. Moskva, Gospolitizdat. Vol. 7. [January 1-December 31, 1924] 1 ianvaria - 31 dekabria 1924 g. 1963. 759 p.
- SABUROV, A. N. [Mysterious captain] Taimnychnyi kapitan. Kyiv, Radians'kyi pys'mennyk, 1962. 336 p. (MR)
- SHCHERBYNA, I. T. [Ukrainian workers and their revolutionary struggle in 1914-1917] Robitnychi klas Ukrainy ta loho revoliutsiina borot'ba v 1914-1917 rokakh. Kyiv, Vyd-vo Akad. nauk URSSR, 1963. 366 p.
- [SLAVIC ARCHIVES; articles and materials] Slavianskil arkhiv; sbornik statei i materialov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 307 p.
- SMIRNOV, N. A. ["Murderism" in the Caucasus] Miuridizm na Kavkaze. Moskva, Izd-vo Akad. nauk SSSR, 1963. 241 p.
- SMIRNOV, S. S. [Heroes of the "block of death"] Gerol bloka smerti. Moskva, Gospolitizdat, 1963. 45 p.
- SMIRNOVA, V. A. [Wilhelm Wolff, the man to whom Marx dedicated his "Capital"] Vil'gel'm Vol'f - chelovek kotoromu Marks posviatil "Kapital." Moskva, Sotskogiz, 1963. 162 p.
- SNYTKIN, M. M. N. G. Poletov. Moskva, Gospolitizdat, 1962. 45 p.
- SOVOKIN, A. M. [Course of the party toward the peaceful development of the revolution in 1917] Ustanovka partii na mirnoe razvitiie revoliutsii v 1917 godu. Moskva, Gospolitizdat, 1962. 37 p. (Konsul'tatsii po istorii KPSS)
- STREL'SKII, V. I. [Studying the sources of the history of the U. S. S. R. in the period of imperialism, from the end of the 19th century to 1917] Istochnikovedenie istorii SSSR; period imperiializma, konets XIX v. - 1917 g. Moskva, Sotskogiz, 1962. 602 p.
- STUCHKA, P. I. [For Soviet rule in Latvia, 1918-1920] Par padomju varu Latvija, 1918-1920; rakstu izlase. Riga, Latvijas valsts izdevnieciba, 1958. 556 p. [In Latvian]
- STURUA, ELENA. [Vano Sturua; biographical sketch] Vano Sturua; biograficheskil ocherk. Tbilisi, Sabchota Sakarvelo, 1961. 70 p. [In Georgian] (MH)
- SVERDLOVSK. OBLASTNOI KRAVEDCHESKII MUZEI. [Catalog of the archeological collection of the Sverdlovsk Museum of Local History] Katalog arheologicheskikh kollektsii Sverdlovskogo kraevedcheskogo muzeia. [By] E. M. Bers. Sverdlovsk, 1960. 82 p.
- SVIRIDOV, V. P., V. P. IAKUMOVICH, and V. E. VASILENKO. [The Battle of Leningrad, 1941-1944] Bitva za Leningrad, 1941-1944. [Leningrad] Lenizdat, 1962. 553 p.
- [TRIUMPHAL MARCH OF THE SOVIET REGIME] Triumfal'noe shествie Sovetskoi vlasti. Pod red. D. A. Chugaeva i dr. Moskva, Izd-vo Akad. nauk SSSR. Pl. 1. 1963. 557 p. (Volikaja Oktjabr'skaia sotsialisticheskaja revoliutsiia; dokumenty i materialy)
- TRUSHCHENKO, N. V. [Pravda and the Bolsheviks of Nizhny Novgorod, 1912-1914] Pravda i Nizhegorodskie bolsheviki, 1912-1914 gg. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1962. 35 p. (K 60-letiu Pravdy) (MH)
- TSENTRAL'NOE OB'EDINENIE POLITICHESKIIH EMIGRANTOV IZ SSSR. [Truth and falsehood about Hungary; based on materials of the Special Committee of the United Nations] Pravda i lozh' o Vongrii; po materialam Spetsial'nogo komiteta Organizatsii Ob'edinennykh Natsii. Munich, 1957. 26 p. (MH)
- TURSUNBAEV, A. B. [Against the bourgeois falsification of the history of Kazakhstan] Proti burzhuznoi falsifikatsii istorii Kazakhstana. Alma-Ata, Kazgospolitizdat, 1963. 111 p.
- UNITED UKRAINIAN AMERICAN RELIEF COMMITTEE. [Report of the United Ukrainian American Relief Committee on its work in Western Europe in 1948] Zvidomlennia Zlucheno ho ukrains'koho amerykans'koho dopomohovoho komitetu; z diial'nosti v Zakhidni Evropi za 1948 rk. Munich, 1948. 36 p.
- VALIKHANOV, CH. CH. [Ch. Ch. Valikhanov; collected works in five volumes] Sbranie sochinenii v piati tomakh. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol. 2. 1962. 704 p.
- [WESTERN TERRITORIES OF POLAND. Translated from the Polish] Pol'skie zapadne ziemie. Predisl. i red. I. S. Borisova. Moskva, Izd-vo inostr. lit-ry, 1962. 291 p.
- ZHUKOV, IURII. [The taming of the "Tigers."] Ukroshchenie "tigriv". [Moskva] Molodatsa gvardia, 1961. 342 p. (CST-II)

5. SOCIAL SCIENCES

- AFANASEV, A. A. [The gold mining industry of capitalist countries; an economic survey] Zoloto-dobyvushchala promyshlennost' kapitalisticheskikh stran; ekonomicheskii obzor. Moskva, Gosfinizdat, 1962. 61 p.
- AGANBEGIAN, A., ed. [Principles for working out an interbranch balance] Osnovy razrabotki mezhotraslovogo balansa; uchebnoe posobie. [By] G. I. Grebtsov i dr. Moskva, Ekonomizdat, 1962. 278 p.
- AGLIN, A. N. [The humdrum and struggles of Brazil] Budni i bitvy Brazili. Moskva, Gospolitizdat, 1963. 126 p. (Latinskai Amerika segodnia)
- AGNAEV, KH. I., and K. A. IVANOV. [Business accounting on the collective farm] Khoziaistvennyi raschet v kolchoze. Moskva, Izd-vo "Sovetskai Rossiia," 1962. 77 p. (Rosheniia XXII s'ezda KPSS - v zhitii)
- [AID FOR THE WORKERS AND ACTIVIST GROUPS IN PARTY AND STATE CONTROL] V pomoshch' rabotnikam i aktivu partino-gosudarstvennogo kontroliia. Moskva, Gospolitizdat, 1963. 28 p.
- AIZENSTEIN, I. M., and V. F. IVANOV. [Progressive forms of trade in consumers' goods] Progressivnye formy torgovli promyshlennymi tovarami. Moskva, Gosorgizdat, 1962. 102 p.
- AKADEMIA NAUK ARMIAANSKOI SSR. Eriuan. Institut ekonomiki. [Economic development of Soviet Armenia, 1920-1960] Ekonomicheskoe razvitiie Sovetskoi Armenii, 1920-1960. Eriuan, Izd-vo Akad. nauk Armianskoi SSR, 1960. 522 p. [In Armenian]
- AKADEMIA NAUK SSSR. Iakutskii filial, Yakutsk. [Problems in the economics of Yakut industry] Voprosy ekonomiki promyshlennosti Iakutii. Iakutsk, Iakutskoe knizhnoe izd-vo, 1962. 113 p.
- AKADEMIA NAUK SSSR. Institut geografii. [Natural resources of the Soviet Union, their utilization and reproduction] Prirodnye resursy Sovetskogo Soiuza, ikh ispol'zovanie i vosproizvodstvo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 241 p.
- AKADEMIA NAUK SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Economic problems of the "Common Market"] Ekonomicheskie problemy "Obshchego rynka." Moskva, Sotskogiz, 1962. 510 p.
- AKADEMIA NAUK SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Real wages during the period of the general crisis of capitalism] Real'naiia zarabotnaya plata v period obshchego krizisa kapitalizma. Moskva, Sotskogiz, 1962. 558 p.
- AKADEMIA NAUK SSSR. Institut narodov Azii. [Colonialism and the contradictions between imperialists in Africa] Kolonializm i mezhimperialisticheskoe protivorechiia v Afrike. Moskva, Izd-vo vostochnoi lit-ry, 1962. 229 p.
- AKADEMIA NAUK URSSR. Kiev. Institut ekonomiki. [Labor productivity and potentials for increasing it in the industry of the Ukrainian S. S. R.] Proizvoditel'nost' truda i rezervy ee povysheniia v promyshlennosti Ukrainskoi SSR. Kiev, Izd-vo Akad. nauk URSSR, 1962. 302 p.
- AKADEMIA NAUK URSSR. Kiev. Institut ekonomiki. [Trends in the specialization and comprehensive development of the Kiev Administrative Economic Region] Napriamy spetsializatsii i kompleksnogo rozvytku Kyivs'koho administratyvnoho raionu. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 308 p.
- ALEKSANDROVA, V. I., and G. G. KOTEL'NIKOVA. [Arrangement of window displays in stores selling manufactured goods] Oformlenie okonnykh vitrin promtovarykh magazinov. Moskva, Gos izd-vo torg. lit-ry, 1962. 66 p.

ALEKSEEV, G. P., and E. A. IVANOV. [Trade unions during the period of the large-scale building of communism] Profsoiuzy v period razvernutoho stroitel'stva kommunizma. [Moskva,] Profizdat, 1962. 274 p.

ALIKBEROV, Z. M. [The Communist Youth League of Daghestan is a militant helper of the provincial party organization in the execution of the tasks of the five-year plan] Komsomol Dagestana - boevoi pomoshchnik oblastnoi partinnoi organizatsii v osushchestvlenii zadach smiuletnego plana. Makhachkala, Ob-vo po rasprostraneniui polit. i nauchn. znanii RSFSR, 1960. 41 p.

[MICROFILM]

ANTROPOV, B. F., and N. P. TRUSIKHIN. [Improve planning in an enterprise] Sovershenstvovat' planirovanie na predpriatii. Moskva, Ekonomizdat, 1962. 77 p. (Ekonomicheskoe samobrazovanie)

APPOV, R. D. [Improving collective farm wages] Kolchozarda zokhmiete khak tolnishlaln kemlieshdrit'lishi. Ashgabat, Turkmenistan dovlet nashriaty, 1961. 73 p. [In Turkmen]

ARKHIPOV, V. IA. [Indonesia in the struggle for economic independence] Indoneziia v bor'e za ekonomicheskuiu samostoiatel'nost'. Moskva, Izd-vo vostochnoi lit-ry, 1963. 77 p.

ARTEL', SOF'IA. [Human will can surmount old age] Volia pobezhdaet starost'. New York, 1963. 59 p.

BABAIAN, L. O. [Enslavement of the peasants in Armenia during the pre-Mongolian period] K voprosu o zakreposhchenii krest'ian v Armenii domongolskogo perioda. Eriuan, Armianskoe gos. izd-vo, 1961. 71 p. (MI)

BATUKHTIN, I. L., and A. I. KHARITONOV. [Potentials for increasing labor productivity in industrial enterprises] Rezervy rosta proizvoditel'nosti truda na promyshlennykh predpriatiiakh. Leningrad, Ob-vo po rasprostraneniui polit. i nauchn. znanii RSFSR, 1962. 87 p.

BATYGIN, K. S., M. I. LITSMAN, and I. M. TREFILOV. [State insurance allowances; commentary on the legislation in effect] Posobia po gosudarstvennomu strakhovaniui; kommentarii k deistvuiushchemu zakonodatel'stvu. 2., dop. izd. [Moskva] Profizdat, 1962. 320 p.

BELIAEV, N. A. [Objectives of punishment and how the institutions of corrective labor try to achieve them] Tseli nakazaniia i sredstva ikh dostizheniia v ispravitel'no-trudovykh uchrezhdeniakh. [Leningrad] Izd-vo Leningr. univ., 1963. 185 p.

BOGDANOVA, V. I., and others. [Moscow - Central Asia; railroad guide] Moskva - Sredniiia Azia; zheleznodorozhnyi putevoditel'. Moskva, Transzheldortizdat, 1962. 205 p.

BOICHENKO, I. G., and V. S. KUCHIN. [Svobodnyi Sokol Metallurgical Plant] Svobodnyi sokol. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1961. 80 p. (MI)

BORISOV, V. P., and V. V. KHANYKOV. [Budget of the factory and plant] Trade-union committee] Budzhet fabrichno-zavodskogo komiteta. [Moskva] Profizdat, 1961. 78 p. (Biblioteka profsoiuznogo aktivista, no. 16)

BORODIN, M. M., and others. [Work and wages for the workers of the forest economy and the lumbering industry] Trud i zarabotnaya plata rabotnikov lesnogo khoziaistva i lesnoi promyshlennosti. Moskva, Goslesbumizdat, 1962. 323 p.

BREGEL', E. IA. [The reproduction of gross national capital. Economic crises] Vosproizvodstvo obshchestvennogo kapitala. Ekonomicheskie krizisy. Moskva, Izd-vo IMO, 1962. 151 p. (Leksii po politicheskoi ekonomii, no. 10)

BREUSENKO, D. P., V. V. ORESIKIN, and N. S. SHUKHOV. [Methodological problems in the history of economic thought] Nekotorye voprosy metodologii istorii ekonomicheskoi mysl'. Moskva, Mosk. inzhenerov geodezii, aerofotoemki i kartografi, 1963. 71 p.

BRONNA, A. B. [Benefits and compensation for workers in hazardous occupations] Igoty i kompensatsii dlia rabotnikov s vrednymi usloviami truda. Moskva, Goslesbumizdat, 1962. 190 p.

- CHERNIAVSKII, V.O. [Studies on the problems of economic efficiency] Ocherki po voprosam ekonomicheskoi effektivnosti. Moskva, Ekonomizdat, 1963. 137 p.
- CHERNOVA, E.P. [The worldwide system of socialism is a decisive factor at the present time] Mirovaia sistema sotsializma, reshaiushchii faktor sovremenosti. Frunze, Kirgizgostizdat, 1961. 56 p. (MH)
- CHURIN, KIL D., ed. [Economics of Kazakhstan agriculture] Ekonomika sel'skogo khoziaistva Kazakhstan. Alma-Ata, Kazsel'khozgiz, 1962. 323 p.
- [CLASS STRUGGLES ARE SHAKING THE CAPITALIST WORLD: A new surge of the revolutionary worker's movement] Klassovye bitvy sotraslali mir kapitala; novyi pod'em revoliutsionnogo rabocheho dvizheniia. [Moskva] Profizdat, 1962. 334 p.
- [COMMUNISM; a chrestomathy] O kommunizme; kniga dlia chteniia. Moskva, Gospolitizdat, 1962. 556 p.
- [CREATING THE MATERIAL AND TECHNICAL FOUNDATION OF COMMUNISM; visual aid] Stvoreniia material'no-tekhnicheskoi bazy komunizmu v SSSR; nauchnyi posibnyk. [Kyiv, Derzhpolitytdav URSS, 1962] 30 p.
- [DAILY ACCOUNTING AND CONTROL OVER THE COST OF PRODUCTION] Ezhednevnyi uchet i kontrol' za sebestoiмостью produktsii; sbornik statei. Moskva, Gosfinizdat, 1962. 95 p.
- DMITRIEV, S.D. [From one congress to another; figures and facts on the development of the economy and culture in Tyumen Province] Ot s'ezda k s'ezdu; tsifry i fakty o razvitiu ekonomiki i kul'tury Tiimenskoi oblasti. [Tiumen'] Tiimenskoe knizhnoe izd-vo, 1961. 54 p. (Biblioteka propagandista i agitatora) [MICROFILM]
- DOMOGATSKII, M.G. [The morning of Tibet] Utro Tibeta. [Moskva] Izd-vo "Molodaia gvardiia," 1962. 171 p.
- DRAGILEV, M.S., and G.F. RUDENKO. [Monopolistic capitalism] Monopolisticheskii kapitalizm. Izd. 2., perer. i dop. Moskva, Sotsekgiz, 1963. 558 p.
- DUBROVSKII, S.M. [Stolypin's land reform; from the history of agriculture and peasantry in Russia at the beginning of the 20th century] Stolypinskaiia zemel'naiia reforma; iz istorii sel'skogo khoziaistva i krest'ianstva Rossii v nachale XX veka. Moskva, Akad. nauk SSSR, 1963. 593 p.
- DURNOVA, G.A. [Pioneer movement in the Buryat A.S.S.R.] Pionerskoe dvizhenie v Buriatii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 207 p.
- DZHAOSHVILI, YAKHTANG. [Kutaisi; its economic and geographical characteristics] Kutaisi; ekonomiko-geograficheskaia kharakteristika. Tbilisi, Akad. nauk Gruzinskoi SSR, 1962. 346 p. [In Georgian] (MH)
- JZHUNUSOV, M.S. [Non-capitalistic path of development] O nekapitalisticheskoi puti razvitiia. Moskva, Izd-vo "Znanie," 1963. 31 p.
- [THE ECONOMICS AND PLANNING OF SOVIET COOPERATIVE TRADE] Ekonomika i planirovanie Sovetskoi kooperativnoi torgovli. [By] V.F. Eliseev i dr. Moskva, Izd-vo Tsentrsoiuza, 1962. 354 p.
- [ECONOMICS OF LARGE-PANEL HOUSING CONSTRUCTION] Ekonomika krupnapanelnogo zhitishchnogo stroitel'stva. [By] L.A. Gel'berg i dr. Moskva, Gosstroizdat, 1962. 153 p.
- [THE ECONOMICS OF SOCIALISM] Politicheskaiia ekonomika sotsializma. Izd. 2., perer. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 614 p.
- ELFIMOV, A., and N. DZHURINSKII. [Specialization and cooperation in industry in the Moldavian S.S.R.] Spetsializatsiia i kooperatsiia v promyshlennosti Moldavskoi SSR. Pod red. A.G. Elfimova. Kishinev, Kartia moldoveniiaske, 1962. 164 p.
- FIGURNOV, S.P. [The building of communism and the growth of the people's prosperity] Stroitel'stvo kommunizma i rost blagosostoiianiia naroda. Moskva, Sotsekgiz, 1962. 204 p.
- FILOMENBLIT, I.R., and P.A. GALUZINSKII. [A standard accounting method for production expenditures] Normativnyi metod ucheta zatrat na proizvodstvo. Moskva, Ekonomizdat, 1962. 155 p.
- GALIN, IU.P. [Bolivia] Boliviia. Moskva, Geografiz, 1962. 61 p. (U karty mira)
- GORBUNOV, E.P. [Socialist industrialization of the U.S.S.R. and its bourgeois critics] Sotsialisticheskaiia industrializatsiia SSSR i ee burzhuaznye kritiki. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1962. 120 p.
- GROMOVA, G.M. [Soviet woman as a worker and mother] Sovetskaiia zhenshchina - truzhenitsa, mat'. [Moskva] Profizdat, 1963. 61 p.
- GURVITS, L.KH. [Commercial computing] Khoziaistvennye vychisleniia; uchebnoe posobie dlia podgotovki schetovodov i bukhgalterov promyshlennykh predpriatii. Izd. 2., perer. i dop. Moskva, Gosstatizdat, 1962. 174 p.
- [THE HONOR OF A SOVIET WORKER] Chest' radnias'koho trudivnyka; zbirnyk materialy i statei. Kyiv, Derzh. vyd-vo polit. lit-ry URSS, 1962. 86 p.
- [HOW WE CARRY OUT THE RESOLUTIONS OF THE PARTY CONGRESS] Kak my vypolniaem resheniia partinogos'ezda. [Moskva] Mosk. rabochii, 1962. 110 p.
- IAKOVENKO, R.F. [Agriculture on the path to communism] Sil's'ke hospodarstvo na shliakhu do kommunizmu. Kyiv, Derzhpolitytdav, URSS, 1962. 48 p. (Na dopomohu vyvchachym. Materialy XXII z'ezdu KPRR)
- IARMUKHAMEDOV, M.SH. [Most important changes in the geography of the national economy of Kazakhstan in 40 years] Vazhnieshie izmeneniia v geografii narodnogo khoziaistva Kazakhstana za 40 let. Alma-Ata, Ob-vo po raspr. polit. i nauchn. znani Kazakhskoi SSR, 1960. 55 p.
- IRIBADZHAKOV, N. [Present-day critics of Marxism; philosophical and sociological problems of the struggle against contemporary anti-Marxism. Translated from the Bulgarian] Sovremennye kritiki marksizma; filosofsko-sotsiologicheskie problemy borby protiv sovremennogo antimarksizma. Pod red. i s poslesloviiem M.T. Iovchuka. Moskva, Izd-vo inostr. lit-ry, 1962. 618 p.
- KAMINSKII, L.S. [Correlation] Izmerenie svyazi (korrelatsiia); uchebnoe posobie po teoreticheskoi statistike. [Leningrad] Izd-vo Leningr. univ., 1962. 47 p.
- KARASEV, A.K., and M.A. MITROKHIN. [Piecework-bonus wage system on a state farm] Akkordno-premiial'naiia oplata truda v sovkhooze. Moskva, Sel'khozizdat, 1962. 77 p.
- KARPUKHIN, D.N. [The most important factor for the victory of communism] Samoe glavnoe dlia pobedy kommunizma. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauche, tekhnike. III Seria: Ekonomika, no. 4)
- KHARLAMOV, A.I. [Statistical indices of the rates of economic development] Statisticheskie pokazateli tempov ekonomicheskogo razvitiia. Moskva, Gosstatizdat, 1962. 44 p.
- KHRUSHCHEV, N.S. [Building of communism in the U.S.S.R. and the development of agriculture] Stroitel'stvo kommunizma v SSSR i razvitiie sel'skogo khoziaistva. Moskva, Gospolitizdat. Vol. 5. [Februarii 1961 - October 1961] Fevral' 1961 goda - oktiabr' 1961 goda. 1963. 462 p. Vol. 6. [October 1961 - March 1962] Oktiabr' 1961 goda - mart 1962 goda. 1963. 478 p. Vol. 7. [March 1962 - March 1963] Mart 1962 goda - mart 1963 goda. 1963. 494 p.
- KHUDUSHYN, F.S. [Communism and the regeneration of soils] Kommunizm i obnovleniia zemli. Kyiv, Derzhpolitytdav URSS, 1962. 169 p.
- KIM, V.A. [Role of the state and law in the socialist reorganization of agriculture in the people's democracies; based on the experience of the Korean People's Democratic Republic] Rol' narodno-demokraticheskogo gosudarstva i prava v sotsialisticheskoi preobrazovanii sel'skogo khoziaistva; na opyte Koreiskoi Narodno-Demokraticheskoi Respubliki. Alma-Ata, Izd-vo AN KazSSR, 1962. 311 p.
- KOGTEV, P.N. [Financial plan of a woodworking enterprise] Finansovyi plan derevobrabatывaushchego predpriatia. Moskva, Goslesbunizdat, 1962. 105 p.
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshiaia partinaiia shkola. Kafedra politicheskoi ekonomii. [Program on economics for seminars of the party educational system as well as for those who study economics independently] Programma dlia politicheskoi ekonomii dlia seminarov i dlia samostoiinno vyvchatielnykh politicheskoi ekonomii. Kyiv, Derzhpolitytdav URSS, 1962. 61 p.
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshiaia partinaiia shkola. Kafedra politicheskoi ekonomii. [Program on economics for the principles of Marxism-Leninism faculties of evening universities of Marxism-Leninism] Programma po politicheskoi ekonomii dlia vechernikh universitetov marksizma-leninizma; fakul'tet osnov marksizma-leninizma. Moskva, Izd-vo VPI i AON pri TsK KPSR, 1962. 27 p.
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshiaia partinaiia shkola. Kafedra sovetskoi ekonomiki. [Program on applied economics for evening universities of Marxism-Leninism (not for economic faculties)] Programy z konkretnoi ekonomiki dlia vechernikh universitetov marksizma-leninizma (neekonomicheskie fakul'tety). Kyiv, Derzhpolitytdav URSS, 1962. 45 p.
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshiaia partinaiia shkola. Kafedra sovetskoi ekonomiki. [Program on the economics of construction for economic study groups and seminars of the party educational system] Programma z ekonomiki budivnytstva dlia ekonomicheskikh hruktiv i seminarov systemy politicheskoi osvity. Kyiv, Derzhpolitytdav URSS, 1962. 31 p.
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshiaia partinaiia shkola. Kafedra sovetskoi ekonomiki. [Program on the economics of socialist agricultural enterprises] Programma po ekonomike sotsialisticheskikh sel'skokhoziaistvennykh predpriatii; dlia ekonomicheskikh shkol, kruzhkov i seminarov soti partinogo prosveshcheniia. Moskva, Gospolitizdat, 1960. 30 p.
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshiaia partinaiia shkola. Kafedra sovetskoi ekonomiki. [Program on the economics of socialist enterprises for the evening universities of Marxism-Leninism, schools of economics, study groups and seminars of the party educational system] Programma po ekonomike sotsialisticheskikh promyshlennykh predpriatii dlia vechernikh universitetov marksizma-leninizma, ekonomicheskikh shkol, kruzhkov i seminarov soti partinogo prosveshcheniia. Moskva, Gospolitizdat, 1960. 29 p.
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA. Vysshiaia partinaiia shkola. Kafedra sovetskoi ekonomiki. [Program on the principles of the economics of socialist industry for workers studying in elementary economics study groups and vocational instruction schools] Programa z osnov ekonomiki sotsialisticheskoi promyslovosti dlia roblivnykh, mchhu navchaliu'sia u nachal'nykh ekonomicheskikh hruktakh i shkolakh vyrubnykh navchaniia. Kyiv, Derzhpolitytdav URSS, 1962. 15 p.
- KONKIN, M.V. [Business accounting in an enterprise; from the practice of the Gorky Automobile Plant] Khoziaistvennyi raschet na predpriatii; iz opyta Gorkovskogo avtozavoda. Moskva, Gosfinizdat, 1962. 71 p.
- KORNENKO, V.P. [Communal division of labor during the period of the transition to communism] Obshchestvennoe razdeleniie truda v period perekhoda k kommunizmu. Moskva, Ekonomizdat, 1963. 280 p.
- KOROLEV, I.I. [Communists are the organizers of competition] Kommunisty - organizatory sorevnovaniia. [Leningrad] Lenizdat, 1962. 50 p. (Biblioteka sekretaria partinaii organizatsii) (CSt-II)
- KORZHENEVSKII, I.I. [Market capacity and methods for calculating it] Emkost' rynka i metody ee ischisleniia. Moskva, Gosorgizdat, 1962. 132 p.
- KOSHKIN, A.G. [Ways to increase the profitability of collective-farm production] Puti povyseniia rentabelnosti kolhoznoho proizvodstva. Moskva, Ekonomizdat, 1963. 111 p.
- KOVALENKO, V.I. [The little star shines over the steppe] Gorei' nad step'iu zvezdochka. [Moskva] Izd-vo "Molodaia gvardiia," 1962. 46 p. (Volont-komsoimol'skie maiaki)
- KOZLOV, M.R., M.M. PANARIN, and V.G. SOLOV'EV. [Collective labor agreement in an enterprise] Kollektivnyi dogovor na predpriatii. [Moskva] Profizdat, 1961. 61 p. (Biblioteka profsoiuznogo aktivista, no. 24)

- KUZNETSOV, D. V. [Irrefutable facts] Neoproverzhimoe. [Moskva] Izd-vo "Molodaya gvardiia," 1962. 106 p.
- LANDIN, E. I. [Workers' real wages and income] Real'naya zarabotnaya plata i dokhody trudiashechkhia. Minsk, Izd-vo Akad. nauk BSSR, 1962. 168 p.
- LAPAI, A. P., and A. KLIUEV. [How to solve labor disputes] Kak reshat'sia trudovye spory; konsul'tatsii. Izd. 2, dop. [Moskva] Profizdat, 1960. 119 p. (MI-L)
- LARIONOVA, E. V. [Calculating the cost of railroad transportation according to the types of traction] Raschet sebestoimosti perevozok po vidam tiagi na zheleznykh dorogakh. Moskva, Transzheldorizdat, 1963. 85 p.
- LATVIAN S. S. R. Centrala statistikas parvalde. [Development of the national economy of the Latvian S. S. R.; statistics] Latvijas PSR tautas saimniecibas attistiba; statistisko datu krajums. Razvitiie narodnogo khoziaistva Latvisskoi SSR; statisticheskii sbornik. Riga, Valsts statistikas izdevniecibas Latvijas nodala, 1962. 272 p. [Parallel texts in Latvian and Russian]
- LAVROV, S. B., and N. S. CHOCHIA. [Economic geography of the German Democratic Republic] Ekonomicheskua geografiia GDR; uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ., 1962. 80 p.
- LENIN, V. I. [V. I. Lenin on youth] V. I. Lenin o molodezhi. [Moskva] Molodaya gvardiia, 1962. 361 p. (MI)
- LEPETUKHIN, N. U. [Abolishing labor days] Bez trudodnia. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 23 p.
- [LET US LEARN HOW TO BUILD COMMUNISM] Uchit'sia stroit' kommunizm. Moskva, Ekonomizdat, 1962. 230 p.
- LEVCHENKO, I. N. [Without a return ticket] Bez obratnogo bileta. Moskva, Izd-vo "Znanie," 1962. 93 p. (Prochti, tovarishchi)
- LEVIN, V. G. [U. S. A. and Latin America] SShA i Latinskua Amerika. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike, VII Seriya: Mezhdunarodnaya, no. 6)
- LIPSKIY, V. M. [Development and distribution of the sugar industry in the Ukrainian S. S. R.] Rozvytok i rozmishchennia tsukrovoho vyrobnytstva Ukrain'skoi RSR. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 121 p.
- LOGVINOV, L. D. [Differential land rent and collective-farm economies] Differentsial'naya renta i ekonomika kolkhovov. Moskva, Ekonomizdat, 1963. 201 p.
- LOPATINA, O. F. [Establishing work norms in agricultural enterprises] Normirovanie truda v sel'skokhoziaistvennykh predpriatiakh. Moskva, Sel'khozizdat, 1962. 271 p.
- LUSHINA, N. L. [Role and significance of public consumption funds under socialism] Rol' i znachenie obshchestvennykh fondov potrebleniia pri sotsializme. Moskva, Vysshaya shkola, 1962. 97 p. (Materialy k lekttsiam po politekonomii)
- MANASOV, M. A. [Friendship and cooperation of the peoples of the communist countries is a great power in the building of communism] Druzha i sotrudnichestvo narodov stran sotsializma - velikaa sila v bor'bu za kommunizm. Moskva, Izd-vo "Znanie," 1962. 39 p. (V pomoshch' lektoru) [MICROFILM]
- MARKOV, N. N. [Wages in the textile industry enterprises] Oplata truda na predpriatiakh tekstil'noi promyshlennosti. Moskva, Profizdat, 1962. 222 p.
- MATROSOV, I. P. [The time of great achievements] Vremia bol'shikh svershenii. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 25 p.
- MERKUR'EV, G. S., and E. I. SAVOST'IANOV. [Brigades and the shock workers of communist labor] Brigady i udarniki kommunisticheskogo truda. Moskva, Uchpedgiz, 1962. 123 p.
- MEZENTSEV, M. D. [Technical, industrial, and financial plan of a mine] Tekhpromfinplan shakhty. Moskva, Gosgortekhzdat, 1962. 210 p. (Konkretnaia ekonomika dlia gornikov)
- MOSCOW. GOSUDARSTVENNAIA PUBLICHNAIA ISTORICHESKAA BIBLIOTEKA. [Sociology; recommended list of literature for the aid of the teacher] Obshchestvovedenie; rekomendatsii i ukazatel' literatury v pomoshch' uchitelu. Moskva, Izd-vo Vsesoiuznoi knizhnoi palaty, 1963. 148 p.
- MOSCOW. NAUCHNO-ISLEDOVATELSKII FINANSOVYI INSTITUT. [Collective farm monetary income and differential land rent] Denezhnye dokhody kolkhovov i differentsial'naya renta. Moskva, Gosfinizdat, 1963. 222 p.
- MUKHAMETOV, G. SH. [Wages under capitalism] Zarabotnaya plata pri kapitalizme. Moskva, Vysshaya shkola, 1963. 85 p. (Materialy k lekttsiam po politekonomii)
- MYTNICHENKO, A. P. [Collection of problems and exercises for the course on "Calculating machines and their utilization in accounting"] Sbornik zadach i uprazhnenii po kursu "Schetnye mashiny i ikh ispol'zovanie v uchebe." Moskva, Vysshaya shkola, 1962. 181 p.
- NARKEVICH, O. E., and others. [Price determination in public dining establishments] Tsenoobrazovanie v predpriatiakh obshchestvennogo pitaniia. Moskva, Gostorgizdat, 1962. 86 p.
- NAUCHNAIA KONFERENTSIYA PO VOPROSAM OPREDELENIYA POTREBNOSTI NASELENIYA V TOVARAKH, Kiev, 1961. [Determining the population's demand for goods] Opredeleniie potrebnosti naseleniia v tovarakh; materialy. Kiev, Izd-vo Akad. nauk URSR, 1962. 279 p.
- NEDIALKOV, I. P. [In the interest of peace; significance of the conquest of space for the establishment of peace] V interesakh myru; pro znacheniia zavoiuvaniia kosmosa dlia spravy myru. Kyiv, Derzhpolitytydav URSR, 1962. 90 p.
- NIKITINSKII, V. I., and A. I. STAVTSEVA. [Rights of the factory, plant and local trade union committee] Kakimi pravami pol'zuet'sia FZMK. [Moskva] Profizdat, 1962. 190 p.
- NIKOLAEV, M. V. [Division of labor and the building of communism] Rozpodil po pratsi i budivnytstvo kommunizmu. Kyiv, Derzhpolitytydav, URSR, 1962. 44 p. (Na dopomohu vyvchatuchym; Materialy XXII z'lydu KPRS)
- NOVICOV, MIHAL. [The end of Doftana; the story of a political prisoner. Translated from the Rumanian] Konets Doftany; rasskaz byvshego politzaktluchennogo. Moskva, Gospolitizdat, 1963. 149 p.
- NOVIKOV, I. A. [Planning production and finance on state farms] Planirovanie proizvodstva i finansov v sovkhovakh. Moskva, Ekonomizdat, 1962. 165 p.
- NOVIKOV, S. N. [Communal initiative as a principle of communism] Obshchestvennye nachala - nachala kommunizma. Moskva, Profizdat, 1962. 102 p. (Massovaa biblioteka rabochego)
- OBSHCHESTVO PO RASPROSTRANENIU POLITICHESKIKH I NAUCHNYKH ZNANIY RSFSR, Leningradskoe otdeleniie. [Promoting the communist way of life] Za kommunisticheskii byt. Leningrad, 1963. 320 p.
- OGORODNIKOV, B. E. [Correspondence in industrial enterprises] Korrespondentsiia promyshlennykh predpriatii. Izd. 4, ispr. i dop. Moskva, Ekonomizdat, 1962. 167 p.
- OLESHUK, D. L., and G. P. IVANOV. [Special features of the work analysis of supply and sale organizations] Osobennosti analiza raboty snabzhenchesko-abytovykh organizatsii. Moskva, Gosfinizdat, 1962. 65 p. (V pomoshch' finansovomu rabotniku)
- [THE ORGANIZATION AND PLANNING OF CREDIT] Organizatsiia i planirovanie kredita. Moskva, Gosfinizdat, 1962. 298 p.
- OSAD'KO, M. P. [The cooperative form of agricultural production under socialism] Kooperativnaia forma sel'skokhoziaistvennogo proizvodstva pri sotsializme. [Moskva] Izd-vo Mosk. univ., 1963. 117 p.
- OVEZOV, BALYSH. [The Turkmen S. S. R. in the seven-year plan] Turkmenistan SSR jeddillikdo. Baky, Azerbaichan dovlet neshriiaty, 1962. 79 p. [In Azerbaijani]
- PANDAKOV, V. I. [Potentials for reducing production costs in metal rolling] Rezervy snizheniia sebestoimosti produktov v prokatnom proizvodstve. Moskva, Metallurgizdat, 1963. 110 p.
- PERSHIYN, P. M. [Agrarian reforms of the Great October Socialist Revolution] Agrarni peretvorennia Velikoi Zhovtnevoi sotsialistychnoi revoliutsii. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 648 p.
- PETRAKOV, I. A. K., and S. P. MIZIKEVICH. [Fair in Luzhnik] Iarmarka v Luzhnikakh. Moskva, Gostorgizdat, 1962. 45 p.
- PETRASHKEVICH, A. L. [The Communist Youth League of White Russia in the seven-year plan] Komsomol Belorussii v semiletke. Minsk, Izd-vo M-vo vysshiego, srednego spets. i prof. obrazovaniia BSSR, 1962. 104 p. (CS-II)
- P'IANICHENKO, I. V. [After the reorganization] Posle pereastroiki. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959. 44 p.
- PODOL'SKII, I. U. A. [Accounting and the analysis of the work of industrial equipment] Uchet i analiz raboty proizvodstvennogo oborudovaniia. [Leningrad] 1962. 61 p.
- POLIANSKII, V. G. [New developments in the organization of industrial production in enterprises] Novoe v organizatsii promyshlennogo proizvodstva na predpriatiakh. Moskva, Ekonomizdat, 1962. 150 p.
- POLTORATSKII, V. V. [Man and soil] Chelovek i zemlia. Moskva, Izd-vo "Sovetskaya Rossiia," 1963. 111 p. (Ludi Sovetskoi Rossii)
- [PRODUCTION NORMS AND MONETARY WAGES ON COLLECTIVE FARMS] Normy vyrabotki i denezhnaya oplata truda v kolkhovakh. 2., perer. i dop. izd. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 126 p.
- [PROGRAM ON THE PRINCIPLES OF ECONOMICS FOR STUDY GROUPS OF THE PARTY EDUCATIONAL SYSTEM] Programma z osnov politicheskoi ekonomii dlia burktiv systemy partinnoi osvity. Kyiv, Derzhpolitytydav URSR, 1962. 28 p.
- RESHETOV, A. V. [Generalization of work practices in lumbering enterprises with a high total output in Eastern Siberia] Obobshcheniie opyta raboty lesozagotovitel'nykh predpriatii s vysokoi kompleksnoi vyrabotkoi v Vostochnoi Sibiri. Moskva, Goslesbumizdat, 1962. 55 p. (Nastoiashche vnedria! poredovol opyt v proizvodstve)
- ROMANOVA, Z. I. [Uruguay; economy and foreign trade] Urugvai; ekonomika i vneshniaia torgovlia. Moskva, Vneshtorgizdat, 1962. 142 p.
- ROZENFELD, SH. L. [Determining the levels of regional industrial development] Opredeleniie urovnei razvitiia promyshlennosti v raionakh. Moskva, Ekonomizdat, 1963. 130 p.
- RUSSIA (1917- R. S. F. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Price list for the construction of housing and buildings serving cultural and public needs in cities and territorial regions of the R. S. F. S. R.] Proiskurantiye tseny na zhilishchnoe i kul'turno-bytovoie stroitel'stvo po gorodam i territorial'nyim raionam RSFSR. Moskva, Gosstroizdat, 1962. 212 p.
- RUSSIA (1923- U. S. S. R.) Glavnoe upravlenie grazhdanskogo vozdukhnoogo flota. [Timetables for all means of transportation from Kishinev] Raspisanie dvizheniia vseh vidov transporta iz Kishineva. Kishinev, 1962. 61 p. [MICROFILM]
- RUSSIA (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Results of the 1959 all-Union population census; The Moldavian S. S. R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; Moldavskaa SSR. Moskva, Gosstatizdat, 1962. 103 p.
- RUSSIA (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. Upravlenie podgotovki kadrov schetnykh rabotnikov. [Accounting in industrial enterprises] Bukhgalterskii uchet v promyshlennykh predpriatiakh. Pod red. S. S. Sorokina. 2., perer. izd. Moskva, Gosstatizdat, 1962. 333 p.
- SAMBORSKII, G. I., and M. I. KRASIL'NIKOVA, comps. [Twenty years in figures: from socialist economy to communism; brief manual] Dvadsatiletie v tsifrakh: ot sotsialisticheskoi ekonomiki k kommunisticheskoi; kratkii spravochnik. Moskva, Ekonomizdat, 1963. 119 p.

- SANTYLOV, E. A. [Shoulder to shoulder] Plechom k plechu. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 13 p. (Tvortsy, semiletki)
- SAUSHKIN, I. G. [Lectures on the economic zoning of the U.S.S.R.] Lektsii po ekonomicheskomu raionirovaniu SSSR; stenogramma, Moskva, Mosk. gos. univ. im. M. V. Lomonosova, 1960. 234 p. (IEN)
- SEменов, K. [Ivan Ivanov and his family] Ivan Ivanov i ego sem'ia. [Moskva] Mosk. rabochii, 1962. 84 p.
- SHABSHINA, F. I. [Socialist Korea; the forms of the manifestation of the general laws of the building of socialism in the Korean People's Democratic Republic] Sotsialisticheskaya Koreia; o formakh proiavleniia v KNR obshchikh zakonomenostei stroitel'stva sotsializma. Moskva, Izd-vo vostochnoi lit-ry, 1963. 197 p.
- SHAPCHENKO, A. A. [Methodology of establishing norms for unfinished production] Metodika normirovaniia nezavershnogo proizvodstva. Moskva, Ekonomizdat, 1963. 113 p.
- SHELIKIN, F. M. [Production and marketing costs under socialism and how to reduce them] Izderzhki proizvodstva i obrabotcheniia pri sotsializme i puti ikh snizheniia. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963. 79 p.
- SHIRIN, G. M. [Be better!] Byt' luchshim! [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 15 p. (Stroiteli kommunizma)
- SHIRIAEV, I. S. [World socialist cooperation; tendencies and prospects for economic development] Mirovye sotsialisticheskoe sotrudzhestvo; o tendentsiakh i perspektivakh ekonomicheskogo razvitiia. Moskva, Ekonomizdat, 1963. 160 p.
- SHIRIAZDANOV, SH. KH. [Working class of Kirghizistan in the struggle for industrial development during the postwar years, 1946-1953] Rabochii klass Kirgizii v bor'be za razvitiie promyshlennosti v poslevoennye gody, 1946-1953. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 208 p.
- SIDOROV, A. F. [The industry of Kirghizistan] Industriia Kirgizstana. Frunze, Kirgizskoe gos. izd-vo, 1961. 77 p. (CU)
- SIMANCHUK, I. S. [Maintainers of law and order] Khoziaeva poriadka. [Moskva] Mosk. rabochii, 1962. 88 p.
- [SKETCHES OF MOSCOW LIFE] Ocherki Moskovskoi zhizni. [Moskva] Mosk. rabochii, 1962. 374 p.
- SKLIFOS, I., and I. CHERNOV comps. [History of the Pioneer organization in Moldavia] Iz istorii pionerskoi organizatsii Moldavii. Kishinev, Kartia Moldovenskoe, 1962. 89 p. (CST-H)
- SMIRNOV, A. D. [Theoretical principles of business accounting] Teoreticheskie osnovy khoziaistvennogo rascheta. Moskva, Vysshaya shkola, 1962. 61 p. (Materialy k lektsiiam po politekonomii)
- SOIUZPUSHNINA. [Soviet peltry and fur goods] Sovetskie pushno-mekhovye tovary. [Moskva, n.d.] 1 v. [With parallel texts in Russian and English]
- [SOME PROBLEMS OF SCIENTIFIC COMMUNISM IN THE RESOLUTIONS OF THE CPSU, 1953-1962] Delaki pytannia naukovoho komunizmu v risienakh KPSS, 1953-1962 rr.; sbirnyk statel. Kyiv, Derzhpolityvdav URSR, 1962. 398 p.
- SOROKIN, V. A., L. G. SKVIRSKII, and I. K. KARATSEVA. [Organization of auditing work on government revenue] Organizatsiia revizionnoi raboty po gosudarstvennym dokhodam. Moskva, Gosfinizdat, 1962. 219 p.
- SUSLOV, I. P. [Methodology for economic analysis in V. I. Lenin's work] Metodologiya ekonomicheskogo analiza v trudakh V. I. Lenina. [Leningrad] Izd-vo Lening. univ., 1962. 236 p.
- SYROV, V. G. [Public control over the operations of trade organizations] Obshchestvennyi kontrol' za delatel'nost'iu torgovykh organizatsii. [Moskva] Profizdat, 1961. 75 p. (Biblioteka profsoiuznogo aktivista, no. 2)
- TARASOV, M. M. [Issuing credit to industries on the basis of turnover] Kreditovanie promyshlennosti po oborotu. Moskva, Gosfinizdat, 1962. 86 p.
- TELEPKO, L. N. [Important economic regions of the U.S.S.R.; several problems in the territorial organization of the economy] Krupnye ekonomicheskie raiony SSSR; nekotorye voprosy territorial'noi organizatsii khoziaistva. Pod red. I. A. G. Felgina. Moskva, Ekonomizdat, 1963. 197 p.
- TEREKHOV, L. L. [Application of mathematical methods in economics] Primenenie matematicheskikh metodov v ekonomike. Moskva, Gosstatizdat, 1962. 69 p.
- TKACHEVSKII, I. M. [Work units in corrective labor colonies] Otrjadnaya sistema v ispravitel'no-trudovykh koloniakh; lektsiia dlia studentov iuridicheskogo fakul'teta. [Moskva] Izd-vo Mosk. univ., 1962. 29 p.
- TOLPEKIN, S. Z. [Over-all mechanization of agriculture; economic effectiveness] Kompleksnaia mekhanizatsiia sel'skogo khoziaistva; ekonomicheskaia effektivnost'. Moskva, Ekonomizdat, 1962. 139 p.
- TRAKHTENBERG, I. A. [Monetary crises, 1821-1938] Denezhnye krizisy, 1821-1938 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 730 p.
- TSYBALKENKO, B. V. [Theory and practice in price determination for production means] Pytannia teorii i praktiki tsinoutvorenniia na zasoby vyrobnyiatva. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 38 p.
- VAGA, M. I., and V. S. ZAMALIN. [Be careful on ice] Bud' ostorozhen na l'du. Moskva, Izd-vo DOSAAF, 1962. 27 p.
- VASENN, N. I. [Wages for the workers of state commerce] Oplata truda rabotnikov gosudarstvennoi torgovli. Moskva, Gostorgizdat, 1962. 60 p.
- VITEBSKII, M. N. [The finance of socialist industry] Finansy sotsialisticheskoi promyshlennosti. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 274 p.
- VLADIMIROV, I. N. [To the Russian worker] K ruskomu rabochemu. Buenos Aires, Izd-vo Lit. fonda narodnoi monarkhii, 1961. 27 p. (NNC)
- VLASOV, B. V. [Ways to save labor in auxiliary work in industry] Puti ekonomii truda na vspomogatel'nykh rabotakh v promyshlennosti. Izd. 2., ispr. i dop. Moskva, Ekonomizdat, 1962. 242 p.
- VOLOBUEV, P. V. [Economic policy of the Provisional Government] Ekonomicheskaya politika Vremennogo pravitel'stva. Moskva, Akad. nauk SSSR, 1962. 482 p. (MII)
- VORONIN, I. V. [Organization of combined forest working circles and logging camps in forests of the first and second categories] Organizatsiia kompleksnykh khoziaistv v lesakh pervoi i vtoroii grupp. Moskva, Goslesbunizdat, 1962. 61 p.
- VYSHNEVETSKYI, I. A. [The main economic tasks of the U.S.S.R.] Holovnye ekonomicheskie zadannia SSSR. Kyiv, Derzhpolityvdav URSR, 1962. 50 p.
- [THE WAY UPWARDS] Doroga vverkh. Moskva, Izd-vo "Pravda," 1963. 76 p. (Biblioteka "Komsomol'skoi pravdy," no. 3)
- WHITE RUSSIA. Statisticheskoe upravlenie. [The national economy of White Russia; statistical abstract] Narodnoe khoziaistvo BSSR; statisticheskii sbornik. Minsk, Gos. izd-vo BSSR, Red. sotsial'no-ekon. lit-ry, 1963. 510 p.
- [THE WOMEN OF LENIN'S CITY] Zhenshchiny goroda Lenina. [Leningrad] Lenizdat, 1963. 405 p.
- ZADOKHIN, V. F. [Let the ground burn under their feet] Pust' u nikh pod nogami gorit zemlia! [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 29 p.
- ZAK, S. E. [The masses and their character and activities in a socialist society] Narodnye massy i kharakter ikh deiatel'nosti v sotsialisticheskom obshchestve. [L'vov] Izd-vo L'vovskogo univ., 1962. 289 p.
- ZAKHAROV, G. A. [Special features and prospects for developing the metalworking industry in Magadan and Kamchatka Provinces] Osobennosti i perspektivy razvitiia metallobrabatnyvushchei promyshlennosti Magadanskoi i Kamchatskoi oblastei. Novosibirsk, Izd-vo Sibirskogo otd-nia AN SSSR, 1962. 101 p.
- ZHIBITSKAIA, E. D. [Finland; economic geography] Finliandii; ekonomiko-geograficheskaya kharakteristika. Moskva, Geografizdat, 1962. 305 p.

6. POLITICAL SCIENCE

- AIDIT, D. N. [Selected works; articles and speeches. Translated from the Indonesian] Izbrannye proizvo-denia; stat'i i rechi. Moskva, Izd-vo inostr. lit-ry, 1962. 782 p.
- AKADEMIA NAUK SSSR. Institut narodov Azii. [How the peoples of Asia have struggled for peace, 1945-1961] Bor'ba narodov Azii za mir, 1945-1961. Moskva, Izd-vo vostochnoi lit-ry, 1962. 243 p.
- BENIKOV, D. S., and L. V. BUZ. [The art of propaganda] Maistorinat' propandysta; metodychni porady. Kyiv, Vyd-vo "Molod'," 1962. 44 p. (Biblioteka komsomol's'koho propandysta)
- DOVICHENKO, G. A. [The mandate was issued by the people] Mandat vydan narodom. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 21 p.
- FEDOSEEV, S. S. [CPSU is the main patriotic force of the country] KPSS - glavnaia patrioticheskaya sila strany. Leningrad, Ob-vo po rasprostraneniui poln. i nauchn. znanii RSFSR, 1962. 37 p.
- IL'IN, A. S., and V. A. IL'IN. [The birth of our party, 1883-1904] Rozhdeniie partii, 1883-1904. Moskva, Sotsekgiz, 1962. 278 p.
- KAIKHANDI, A. E. [V. I. Lenin's theory and program of the nationalities problem] Leninskaiia teoriia i programma po natsional'nomu voprosu. Minsk, Gosizdat BSSR, 1962. 269 p.
- KHRUSHCHEV, N. S. [Address at the meeting of the voters of the Kalinin municipal electoral district of Moscow, February 27, 1963] Rech' na sobranii izbratetei Kalininskogo izbratel'nogo okruga goroda Moskvy, 27 fevralia 1963 goda. Moskva, Gospolitizdat, 1963. 30 p.
- KOCHIKUROV, A. M. [Communist responsibility] Kommunisticheskaya obiazannost'. [Moskva] Mosk. rabochii, 1962. 53 p.
- KOMMUNISTIKON KOMMATES HELLADOS. a. Synedion, 1961. [Eighth Congress of the Communist Party of Greece, August 1961. Translated from the Greek] VIII s'ezd Kommunisticheskoi partii Gretsii, avgust 1961 g. Moskva, Gospolitizdat, 1962. 211 p. (Dokumenty i materialy zarubezhnykh kommunisticheskikh i rabochikh partii) (CST-II) (CSimoR)
- KOSENKO, I. A. I. [The new statute of the CPSU] Pro novyi statut KPSS. Kyiv, Derzhpolityvdav URSR, 1962. 80 p.
- KOSITSYN, A. P. [The national state] Gosudarstvo vsego naroda. Moskva, Izd-vo "Sovetskaya Rossiia," 1963. 177 p.
- KOTOK, V. F. [The Soviet representative system] Sovetskaya predstavitel'naya sistema. Moskva, Gosizurizdat, 1963. 91 p.
- KOZLOV, I. M. [Leninist principle of the participation of workers in the work of Soviet governmental organization] Leninskii printsip uchastiia trudiaschikhkhia v sovetskom gosudarstvennom upravlenii. [Moskva] Izd-vo Mosk. univ., 1962. 273 p.
- KRAVETS, I. [Nineteenth Congress of the Communist Party of the Ukraine] Dev'ti nadtsiatyi z'ezd KP Ukrainy. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 114 p. (Z'izdy i konferentsii Komunisticheskoi partii Ukrainy) (CST-H)
- KRUTOGOLOV, M. A. [Antidemocratic nature of bourgeois elections] Antidemokraticheskaiia sushchnost' burzhuaiznykh vyborov. Moskva, Gosizurizdat, 1963. 78 p.
- LENIN, V. I. [Lenin on the rules of party life and principles of party leadership] O normakh partiinnoi zhizni i printsipakh partiinogo rukovodstva. Moskva, Gospolitizdat, 1963. 560 p.
- LENIN, V. I. [Two tactics for social democrats in democratic revolution] Dve taktiki sotsial-demokratii v demokraticheskoi revoliutsii. Moskva, Gospolitizdat, 1963. 141 p.
- LEONT'EV, L. A. [On Lenin's "Notebooks on imperialism"; characteristics of V. I. Lenin's creative laboratory] O Leninskikh "Tetradakh po imperia-lizmu"; k kharakteristike tvorcheskoi laboratorii V. I. Lenina. Moskva, Sotsekgiz, 1962. 205 p.
- LOBODA, A. I. [Party patrol] Partii dozorni; z dosvidu roboty komisii partiinoho kontroliu m. Kyieva. [Kyiv] Kyivs'ke oblasne knyzhkovy-gazetno vyd-vo, 1962. 27 p.

MEL'NYCHUK, I. U. S. [To serve the truth] Praydi sluzhyty. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1962. 156 p.

MITSEVICH, A. V. [Increased role of workers' mass organizations and the transition to communist self-government] Povyshenie roli massovykh organizatsii trudiaschikhsia i perekhod k kommunistscheskomu samoupravleniu. Moskva, Gosizdat, 1963. 60 p.

MOSCOW. AKADEMIIA OBSHCHESTVENNYKH NAUK. [CPSU and the workers' mass organizations in the period of the large-scale building of communism] KPSS i massovye organizatsii trudiaschikhsia v period razvernutoho stroitel'stva kommunizma. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963. 178 p.

NIKITEN, V. P. [Volunteers] Dobrovol'tsy. [Moskva] Molodaja gvardia, 1962. 60 p. (MII)

NOVOSEL'TSEV, E. N. [The foreign policy of Austria] Vneshniaia politika Avstrii. Moskva, Izd-vo IMO, 1962. 86 p. (Vneshniaia politika; Mezhduarodnye otnosheniia)

OLENEV, S. [International recognition of the U.S.S.R.] Mezhdunarodnoe priznanie SSSR. Moskva, Sotsekgiz, 1962. 98 p.

PAVLOVSKII, V. V. [Laos in the fight for freedom] Laos v bor'be za svobodu. Moskva, Izd-vo vostochnoi lit-ry, 1963. 160 p.

PODOSETNIK, V. M. [Mankind's advance to communism] Put' chelovechestva k kommunizmu. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 71 p.

SHEVCHUK, M. S. [Helpers of party committees; voluntary participation in ideological work] Pomichnyky partkomitv; z dosvidu ideolohichnoi roboty na liromad-s'kykh zasadakh. [Kyiv] Kyivs'ke oblasne knyzhkovo-gazetne vyd-vo, 1962. 43 p.

SOLDATENKO, I. N. [Forgers of a new life] Kovani novoho zhyttia. Kyiv, Kyivs'ke obl. knyzhkovo-gazetne vyd-vo, 1962. 21 p.

[SOME PROBLEMS OF THE NEW PROGRAM OF THE CPSU] O nekotorykh voprosakh novoi programy KPSS. Moskva, Gospolitizdat, 1962. 214 p.

TAJIK S. S. R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Tajik S. S. R., (sixth session), December 25-26, 1961; verbatim report] Zasedaniia Verkhovnogo Soveta Tadzhikskoi SSR [platogo sozyva] (shchetaia sessiia) [25-26 dekabria 1961 goda]; stenograficheski otechet. Dushanbe, 1962. 532 p. [Parallel texts in Tajik, Russian, and Uzbek]

TRUNIN, N. A. [Militarization of the German Federal Republic and the policy of the Social Democratic Party] Militarizatsiia FRG i politika Sotsial-demokraticheskoi partii. Moskva, Sotsekgiz, 1962. 176 p.

TURKMEN S. S. R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Turkmen S. S. R., seventh session, May 15-16, 1962; verbatim report] Zasedaniia Verkhovnogo Soveta Turkmeniskoi SSR, platogo sozyva, sed'maia sessiia (15-16 maia 1962 goda); stenograficheski otechet. Ashgabat, Turkmenistan dovlozhnshiriaty, 1962. 259 p. (Parallel texts in Turkmen and Russian)

[UNITY OF THE IDEOLOGICAL AND ORGANIZATIONAL WORK; from the practice of the Moscow city party organization] O edinstve ideologicheskoi i organizatorskoi raboty; iz opyta raboty Moskovskoi gorodskoi partinnoi organizatsii. [Moskva] Mosk. rabochii, 1962. 262 p.

VATCHENKO, A. F. [In the forefront of a great march] V avangardi velikoho pokhodu; z dosvidu roboty Khmel'nits'koi oblasti partinnoi organizatsii. Kyiv, Derzhpolityvdav URSS, 1962. 60 p.

VOLOSHCHUK, M. I. [Today's student is tomorrow's propagandist] S'ogodni slukhach - zavtra propandyet. Kyiv, Molod', 1962. 28 p. (Biblioteka komсомол'skoho propandyntsa)

[WE HAVE A RESTLESS YOUNGER GENERATION; pages from the history of the Communist Youth League] Est' u nas bespokoinoe plemia; stranitsy komсомол'skoi letopisi. [Moskva] Izd-vo "Molodaja gvardia," 1962. 245 p.

ZHILIN, P. I. [Reaching every heart; from the practice in political work in an electoral district] K kazhdomu serdtsu; iz opyta politicheskoi raboty na izbratel'nom uchastke. Moskva, Sovetskaiia Rossiia, 1963. 110 p.

ZIVS, S. L. [Against the distortion of the problems of the state and law by the ideologists of anticomunism] Protiv izvrashcheniia ideologami antikomunizma voprosos gosudarstva i prava; metodicheskoe posobie v pomoshch' lektoru. Moskva, Ob-vo po rasprostraneniui nauchn. i polit. informatsii RSFSR, 1962. 38 p.

[MICROFILM]

7. LAW

AVDIUKOV, M. G. [How to institute a civil law s. H] Obrashchenie v s.d po grazhdanskim delam. Moskva, Gosizdat, 1962. 54 p. (Iuridicheskie konsul'tatsii dlia naseleniia v voprosakh i otvetakh)

AZOVKIN, I. A. [Province (territory) soviets of workers' deputies; legal problems relating to their organization and work] Oblastnoi (kraevoi) Sovet deputatov trudiaschikhsia; pravovye voprosy organizatsii i deiatel'nosti. Moskva, Gosizdat, 1962. 209 p.

BELENCIUK, I. A. [Democratism of the Soviet electoral system] Demokratiizm radiats'koi vyborchoi sistemy. Kyiv, Vyd-vo Akad. nauk URSS, 1963. 42 p.

BELENCIUK, I. A. [If you care for people; a judge's story] Iakshcho ty ne baiduzhyi; rozpovid' suddi. Kyiv, Vyd-vo "Molod'," 1962. 48 p.

BRAGINSKII, M. I. [Structure of contractual relations and the liability of contracting parties in the direct transportation of goods] Struktura dogovornykh svyazei i otvetsivennost' uchastnikov pri postanovkakh tranzitom. Moskva, Vses. iurid. zaochnyi in-t, 1960. 142 p.

CHIEL'TSOV, M. A. [Soviet criminal procedure] Sovetskii ugolovnyi protsess. Izd. 4., ispr. i perer. Moskva, Gosizdat, 1962. 503 p.

CUBA. Laws, statutes, etc. [Basic legislative enactments of the Republic of Cuba] Osnovnye zakonodatel'nye akty Kubinskoi Respubliki. Moskva, Gos. izd-vo iurid. lit-ry, 1962. 389 p.

DEMBO, L. I. [Studies on the present-day agricultural laws of capitalist countries; the U.S.A., England, France, Italy, the German Federal Republic] Ocherki sovremennogo agrarnogo zakonodatel'stva kapitalisticheskikh stran; SShA, Angliia, Frantsiia, Italiia, FRG. Moskva, Gosizdat, 1962. 245 p.

EGIAZAROV, A. S., and I. A. ANOKHIN. [Meticulous attention] Maksimum vnimania. Moskva, Gosizdat, 1962. 65 p.

[HANDBOOK FOR THE PERSONNEL OF RURAL SOVIETS] Spravochnik dlia rabotnikov sel'skikh Sovetov. Moskva, Gosizdat, 1962. 749 p.

IAKUB, M. L. [Testimony of the accused as a form of evidence in Soviet criminal procedure] Pokazaniia obviniaemogo kak istochnik dokazatel'stv v sovetskom ugolovnom protsesse. [Moskva] Izd-vo Mosk. univ., 1963. 70 p.

IAVICH, I. S. [Law and communism] Pravo i kommunizm. Moskva, Gosizdat, 1962. 99 p.

JURISTE, JUHAN, defendant. [The 12,000; materials from the Tartu trial of the fascist murderers Juhan Juriste, Karl Linnaas, and Ervin Vikas, January 16-20, 1962. Translated from the Estonian] 12,000; materialy sudobnogo protsessia nad fashistskimi ubitsami Iukhanom Iuriste, Karlom Linnaasom i Ervinom Viksom v Tartu 16-20 ianvaria 1962. goda. Tallinn, Estonskoe gos. izd-vo, 1962. 243 p.

KORETSKII, V. M. and G. I. FUNKIN, eds. [Studies on international maritime law] Ocherki mezhdunarodnogo morskogo prava. Moskva, Gosizdat, 1962. 390 p.

KORNEEV, S. M. [Basic principles of Soviet civil law] Osnovy sovetskogo grazhdanskogo prava. Izd. 3., perer. Pod red. V. A. Riasentsava. Moskva, Vsesoietskoe zaochnye uchelnye kursy, 1962. 166 p.

LAURINAVICIUS, STANISLOVAS, and S. P. BYKOV. [Fellow workers' courts] Tiesla draugai. Vilnius, Valstybine Politines ir mokines literaturos leidykla, 1961. 26 p. [In Lithuanian]

LITHUANIAN S. S. R. Constitution. [Constitution (basic law) of the Lithuanian S. S. R.; with amendments and supplements passed by the Supreme Soviet of the Lithuanian S. S. R. up to the fifth call of the seventh session] Konstitucija (pagrindinis istatymas) Su Lietuvos TSR Auksciausiosios Tarybos priimtais iki penktojo susaukimo VII sesijos imtinai. Vilnius, Valstybine politines ir mokines literaturos leidykla, 1962. 24 p.

[MANUAL FOR CASE STUDIES ON THE "SOVIET LAW" COURSE] Posobie dlia prakticheskikh zaniatii po kursu "Sovetskoe Pravo." Moskva, In-t narodnogo khoz. im. G. V. Plekhanova. No. 1. 1961. 42 p.

MOROZOV, G. I. [Organization of the United Nations; basic international law problems concerning its structure and work] Organizatsiia Ob'edinennykh Natsii; osnovnye mezhdunarodno-pravovye aspekty struktury i deiatel'nosti. Moskva, Izd-vo IMO, 1962. 510 p.

MOSCOW. VSESOIUNNYI INSTITUT IURIDICHESKIKH NAUK. [Theoretical problems concerning the systematization of Soviet laws] Teoreticheskie voprosy sistematsiatsii sovetskogo zakonodatel'stva. Pod red. S. N. Bratsiia i I. S. Samoshchenko. Moskva, Gosizdat, 1962. 574 p.

NAUCHNAIA KONFERENTSIIA LENINGRADSKIKH ADVOKATOV. [40th anniversary of the Soviet legal profession; papers delivered at the Conference of Leningrad Attorneys-at-law] 40 let sovetskoi advokatury; doklady. Leningrad, Leningr. gor. i obl. kollegii advokatov, 1962. 105 p.

RUSSIA (1917- R. S. F. S. R.) Laws, statutes, etc. [Criminal code of the R. S. F. S. R.; official text with amendments as of August 1, 1962 and supplementary materials on the articles] Ugolovnyi kodeks RSFSR; ofitsial'nyi tekst s izmeneniami na 1 avgusta 1962 g. i s prilozheniem postateino-sistematsirovannykh materialov. Moskva, Gosizdat, 1962. 234 p.

TIKHENKO, S. I. [Fight against the pilfering of socialist property committed by the forgers of documents] Bor'ba s khlshcheniiami sotsialisticheskoi sobstvennosti, svyazannymi s podlogom dokumentov. [Kyiv] Izd-vo Kievskogo univ., 1959. 386 p.

TRUBNIKOV, P. IA. [The trial of civil cases] Sudebnoe razbiratel'stvo grazhdanskikh del. Moskva, Gosizdat, 1962. 100 p.

TURGUNBEKOV, R. [Creation and development of the Constitution of the Kirghiz S. S. R.] Sozdanie i razvitiie konstitutsii Kirgizskoi SSR. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 170 p.

UKRAINE. Constitution. [Constitution (fundamental law) of the Ukrainian Soviet Socialist Republic; with amendments adopted at the eighth session of the Fifth Supreme Soviet of the Ukrainian S. S. R.] Konstitutsiia (osnovnyi zakon) Ukrainy 'koi Radians'koi Sotsialisticheskoi Respubliki. Iz zminanykh dopovneniinykh, pryniatykh na vos'mii sesii Verkhovnoi Rady Ukrainy 'koi SSR p'iatoho sklykannia. Kyiv, Derzhpolityvdav URSS, 1963. 28 p.

ZLOBIN, G. A. [Legal consciousness in the Soviet national state] Pravoosoznanie v Sovetskom obshchenarodnom gosudarstve. Moskva, Izd-vo "Znanie," 1963. 32 p. (Novoe v zhizni, nauke, tekhnike, II Seria: Filosofii, no. 3)

8. EDUCATION

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. [Siberia during the building of socialism and the transition to communism] Sibir' v period stroitel'stva sotsializma i perekhoda k kommunizmu. Novosibirsk. No. 1. [Cultural development of Siberia from 1917 to 1960] Kul'turnoe stroitel'stvo v Sibiri v 1917-1960 g. g. 1962. 237 p.

AKSENOV, D. E., comp. [Labor education; chrestomathy] O trudovom vospitanii; khrestomatia. Moskva, Uchpedgiz, 1962. 410 p.

FILATOV, V. I., and A. B. ARONOV. [Bear circus] Medvezhil'tairk. Moskva, Izd-vo "Iskusstvo," 1962. 197 p.

[FOR THE COMMUNIST EDUCATION OF STUDENTS] Za kommunisticheskoe vospitanie shkol'nikov. Moskva, Uchpedgiz, 1962. 207 p.

[GYMNASTICS; a handbook for teachers' institutes] Gimnastyka; pidruchnyk dlia pedagogichnykh instytutiv. [By] I. A. Brazhnyk ta inshi. Kyiv, Radians'ka shkola, 1962. 487 p.

KHORETLEV, A. O., ed. [Cultural development of Adyge; 1922-1937] Kul'turnoe stroitel'stvo Adygei, 1922-1937 g. g.; sbornik dokumentov i materialov. Sost. N. F. Koval'skiiia, A. O. Khoretlev, L. A. Podgailchuk, Maikop, Adygelskoe knizhnoe izd-vo, 1958. 380 p.

- KUNDI, S. K. [Preschool hygiene] Doshkol'naya gigiena; posobie dlia pedagogicheskikh uchilishch, Izd. 3. Pod red. A. P. Chabovskoi. Moskva, Uchpedgiz, 1962. 214 p.
- LENINGRAD. UNIVERSITET. [Inclinations and abilities] Sklonnosti i sposobnosti; sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1962. 123 p.
- MAKAROV, O. O. [Goalkeeper; notes of an athlete] Vorotar; zapysky sportmena. Kyiv, Radlans'kyl'nyy, 1962. 366 p.
- MEKHITI-ZADE, M. M. [Historical studies of the Soviet schools in Azerbaijan] Ocherki istorii sovetskoi shkoly v Azerbaidzhane. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 289 p.
- [ON CHAMPIONS FOR BOYS AND GIRLS] Mal'chishkam i devchonom o chempionakh. Moskva, Delgiz, 1962. 169 p.
- PITOV, V. I. [Institutions of higher learning of the Ukrainian S. S. R. in the period of reorganization] Vysshaya shkola Ukrainiskoi SSR v period perestroiki. Kiev, Gospolitizdat USSR, 1962. 199 p.
- [RUNNING; a manual on track athletics for teachers and trainers in schools] Beg; posobie po legkoi atletike dlia uchitel'ei i trenerov shkol. [By] L. A. Kostygova, D. G. Mirzaev, V. V. Ukhov. Leningrad, Uchpedgiz, 1962. 130 p.
- RUSSIA (1917- R. S. F. S. R.) Ministerstvo prosveshcheniia. [Programs of secondary schools with vocational instruction; occupation of the senior Pioneer leader] Programmy srednei shkoly s proizvodstvennym obucheniem; professiia - starshii pionerskii vozhaty. Moskva, Uchpedgiz, 1962. 140 p.
- RYAZAN. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. [Educational work in ideology in the institutions of higher learning] Ideino-vospitatel'naya rabota v vuz. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 157 p.
- SHAKHILIN, B. A. [The birth of victories] Narodzhennia peremoh. [Kyiv] Vyd-vo "Melod'," 1962. 123 p.
- SOBOLEV, P. A. [Notes of an attaché to the Olympic Games] Zapiski olimpiiskogo attashe. Moskva, Sovetskaya Rossiia, 1962. 118 p.
- TSYBULENKO, V. S. [Duels of three Olympic Games; notes of an athlete] Poiednyky triokh olimpiad; zapysky sportmena. Kyiv, Melod', 1962. 89 p.
- ### 9. MUSIC, THEATER & MOTION PICTURES
- AKADEMIA NAUK SSSR. Institut istorii iskusstv. [People's theaters] Narodnye teatry; sbornik statei. Moskva, 1962. 215 p.
- ALEKSEEV, B. K. [Harmonic solfeggio; textbook on ear training] Garmnicheskoe sol'feggio; posobie po slukhovomu analizu. Moskva, Muzgiz, 1962. 122 p.
- ARAVIN, P. A. Kuddus Kuzham'yarov. Moskva, Sovetskii kompozitor, 1962. 45 p.
- ARDOV, V. E. [On stage and otherwise; humorous stories and feuilletons about the theater and related arts] Na stsene i - riadom; humoristicheskie rasskazy i fel'etony o teatre i drugikh iskusstvakh. Moskva, Vseros. teatr. ob-vo, 1962. 203 p.
- BEKMAN-SHCHEBINA, E. A. [My reminiscences] Moi vospominaniia. Moskva, Muzgiz, 1962. 127 p.
- BOGDANOV-BEREZOVSKII, V. M. [Articles on ballet] Stat'i o batete. Leningrad, Sovetskii kompozitor, 1962. 204 p.
- BRONNIKOV, A. A. [Lighting effects in theaters] Teatral'nye svetovye efekty. Moskva, Iskusstvo, 1962. 95 p. (Repertuar khudozhestvennoi samodelatel'nosti, no. 25)
- DIKOV, D. A. [Instructions for those learning to play wind instruments] Metodika obucheniia igre na dukhovnykh instrumentakh. Moskva, Muzgiz, 1962. 115 p.
- ESKIN, A. M., comp. Ivan Nikolaevich Bersenev; sbornik statei. Moskva, Vserossiiskoe teatr. ob-vo, 1961. 347 p. illus. (MH)
- FRYD, NORBERT. [Traveling with puppets toward the equator; a little bit about everything and also on Ceylon, Java, Cambodia, and India] S kuklami k ekvatoru; ponemnogo obo vsem, a takzhe o Tsel'one, Iave, Kambodze i Indii. Moskva, Gos. izd-vo geogr. lit-ry, 1962. 269 p. (Puteshestviia, priklucheniia, fantastika)
- ["GDOVSKAYA STARINA" ENSEMBLE; Russian folk songs and tunes of Gdov District] "Gdovskaya Starina"; russkie narodnye pesni i naigryshi Gdovskogo raiona. Leningrad, Sovetskii kompozitor, 1962. 93 p.
- IUDIN, S. P. [Voice development in singing] Formirovanie golosa pevtsa. Pod obshchei red. E. N. Artem'e-voi. Moskva, Muzgiz, 1962. 166 p.
- KHODORKOVSKAIA, L. S., and A. P. KLINCHIN. [The career of A. I. Kainin, the theatrical producer, 1877-1953] Put' rezhissera, A. I. Kainin, 1877-1953. Moskva, Vses. teatral'noe ob-vo, 1962. 270 p. (MH)
- KHOKILOVSKINA, A. A. [West-European opera; the end of the 18th and first half of the 19th century; studies] Zapadnoevropeiskaya opera; konets XVIII-pervaya polovina XIX veka; ocherki. Moskva, Muzgiz, 1962. 366 p.
- KNIAZEVA, O. N. [Dances of the Ural Mountain Region] Tantsy Urala. [Sverdlovsk, Sverdlovskoe knizhnoe izd-vo] 1962. 166 p. (MH)
- KULAKOVSKII, L. V. [The song and its language, structure, destinies; from materials on Russian and Ukrainian folk songs and the Soviet popular song] Pesnia, ee izyuk, struktura, sud'by; na materiale russkoi i ukrainiskoi narodnoi, sovetskoi massovoi pesni. Moskva, Sovetskii kompozitor, 1962. 340 p.
- LAKHUTI, A. G. Aleksandr Pirumov. Moskva, Sovetskii kompozitor, 1960. 10 p. (Melodye kompozitory Sovetskogo Soluza) (MH)
- LIVANOVA, T. N. [M. I. Glinka; a biographical account] M. I. Glinka; biograficheskii ocherk. Moskva, Gos. muzykal'noe izd-vo, 1962. 39 p. (Biblioteka muzykal'nogo samooobrazovaniia. V pomoshch' muzykal'nomu samooobrazovaniu) (NIC)
- MARTYNOV, N. A. Aleksandr Davidenko. Moskva, Sovetskii kompozitor, 1962. 23 p. (V pomoshch' slushateliu narodnykh universitetov kul'tury. Besedy o muzyke)
- MOSCOW. GOSUDARSTVENNYI TSENTRAL'NYI MUZEI MUZYKAL'NOI KUL'TURY. [P. I. Chaikovskii in the reminiscences of his contemporaries] Vospominaniia o P. I. Chaikovskom. Moskva, Muzgiz, 1962. 450 p.
- OGORODNOV, D. E., and T. V. OGORODNOVA. [Music education in the boarding school] Opyt muzykal'nogo vospitaniia v shkole-internate. Leningrad, Uchpedgiz, 1962. 104 p.
- ONEGIN, A. E. [The ABC of the accordionist] Azbuka balanista; posobie dlia nachinalushchikh. Moskva, Muzgiz, 1962. 77 p.
- POPOVA, L. G. [Even Vasyl'ovych Bondarenko, People's Actor of the U. S. S. R.] IEvhen Vasyl'ovych Bondarenko; narodnyi artist SSSR. Kyiv, Derzh. vyd-vo obrazovorchego mystetstva i muzychnoi lit-ry USSR, 1962. 36 p.
- RECHMENSII, N. S., comp. [Chechen and Ingush folk melodies and songs] Chechenskii i ingushskie narodnye melodi i pesni. Moskva, Sovetskii kompozitor, 1962. 80 p.
- SADOUL, GEORGES. [General history of motion pictures. Translated from the French] Vseobshchaya istoriia kino. Pod obshchei red. S. I. Iukevicha. Moskva, Iskusstvo, Vol. 3. [Motion pictures become an art] Kino stanovitsia iskusstvom, 1914-1920. 1961. [n. p.] (MID)
- SATS, N. I. [Children go to the theater; pages of reminiscences] Deti prikhodiat v teatr; stranitsy vospominaniia. [Moskva] Iskusstvo [1961]. 311 p. (VTMIM)
- SEZHENSKII, K. K. Vano Muradeli. Moskva, Sovetskii kompozitor, 1962. 90 p.
- SHEIBLER, T. K. Kuratsa Kashirgova. Moskva, Sovetskii kompozitor, 1961. 31 p. (Narodnye pevtsy i muzykanty) (MH)
- SKREBKOV, S. S. [Polyphony and polyphonic forms] Polifoniia i polifonicheskie formy. Moskva, Sovetskii kompozitor, 1962. 44 p. (V pomoshch' slushateliu narodnykh universitetov kul'tury. Besedy o muzyke)
- SMIRNOV, V. V. [Claude Achille Debussy, 1862-1918; a brief study of his life and works] Klod-Ashii' Debussy, 1862-1918; kratkii ocherk zhizni i tvorchestva. Leningrad, Gos. muzykal'noe izd-vo, 1962. 87 p.
- SOBOLEV, R. P., and L. B. FURIKOV. [Man has come into motion pictures; notes of journalists] Chelovek prishel v kino; zametki zhurnalistov. Moskva, Gospolitizdat, 1963. 77 p. (Populiarnaya biblioteka po estestike)
- SOKOLOV, F. V. [V. V. Andreev and his orchestra] V. V. Andreev i ego orkestr. Leningrad, Muzgiz, 1962. 109 p.
- [SOLDIERS ARE SONS OF OUR PEOPLES; repertory collection for amateur art activities in the army and navy] Soldaty - naroda syny; reperturnyi sbornik dlia armietskoi i flotskoi khudozhestvennoi samodelatel'nosti. Moskva, Voenizdat, 1962. 111 p.
- SOSUNOV, N. N. [From the model to the decoration] Ot maketa k dekoratsii. Moskva, Izd-vo "Iskusstvo," 142 p.
- SPOSOBIN, I. V. [Musical form] Muzykal'nai formu; uchebnik obshchego kursa analiza. 3., izd. Moskva, Muzgiz, 1962. 399 p.
- [STANISLAVSKII; writers, artists, and stage-directors recall the great personage of the Russian theater] Stanislavskii; pisateli, artsty, rezhissery o velikom deiatеле russkogo teatra. Moskva, Iskusstvo, 1963. 278 p.
- [THEATRICAL CALENDAR FOR 1963] Teatral'nyi kalendar' na 1963 god. Leningrad, Iskusstvo, 1962. 169 p.
- TIULIN, I. N. [Structure of musical speech] Stroenie muzykal'noi rechi. Leningrad, Muzgiz, 1962. 207 p. (V pomoshch' pedagogu muzykantu)
- TUMANINA, N. [Chaikovskii; his path to mastery, 1840-1877] Chaikovskii; put' k masterstvu, 1840-1877. [Moskva, Izd-vo Akad. nauk SSSR, 1962] 555 p. illus. (NN)
- ### 10. FINE ARTS
- AKADEMIA BUDIVNYTSTVA I ARKHITEKTURY USSR. Institut teorii i istorii arkhitektury i budivelnoi tekhniki. [Essays on the history of the architecture of the Ukrainian S. S. R.; the Soviet period] Narisy istorii arkhitektury Ukrainiskoi SSR; Radlans'kii period. Kyiv, Derzh. vyd-vo lit-ry z budivnytstva i arkhitektury USSR, 1962. 350 p.
- AKADEMIA KHUDOZHESTV SSSR. [School of fine arts in nine lessons] Shkola izobrazitel'nogo iskusstva v deviaty vypuskakh. Moskva, No. 4. 1962. 233 p. illus.
- AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut arkhitektury i iskusstva. [Problems of the standardization of mass-produced structures under the conditions in the Azerbaijan S. S. R.] Voprosy tipizatsii massovykh sooruzhenii v usloviiakh Azerbaidzhanskoi SSR. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 230 p. [Parallel texts in Azerbaijani and Russian]
- [ARTISTS OF SOVIET ARMENIA] Khudozhniki Sovetskoi Armenii. [Moskva, Sovetskii khudozhnik, 1962.] 4 p. 30 plates.
- DUNAEV, D. A. [Insolation of residential buildings] Insoliatsiia zhilykh zdani. Moskva, Gosstroizdat, 1962. 77 p.
- EL'KOVICH, L. IA. Nikolai Dmitrievich Kuznetsov. Moskva, Sovetskii khudozhnik, 1962. 73 p. plates. (MH)
- GAPOSHKIN, V. I. [Traditions and innovation in Soviet art] Traditsii i novatorstvo v sovetskoi iskusstve. Moskva, Sovetskii khudozhnik, 1962. 42 p. (Besedy ob iskusstve)
- GRABAR', I. E. Igor' Emmanuilovich Grabar'. Moskva, Iskusstvo, 1962. 37 p. 24 col. plates. (Sovetskie khudozhniki) (MH)

HSANTYKO, N. I. [Book, artist, time] Kniga, khudozhnik, vremia. Moskva, Iskusstvo, 1962. 142 p. illus.

IAVORSKAIA, N. V. [Landscapes of the Barbizon school] Peizazh Barbizonskoi shkoly. Moskva, Gos. izd-vo "Iskusstvo," 1962. 345 p.

KRUGLOVA, O. V. Ivan Ivanovich Shishkin. Moskva, Izgiz, 1962. [12] p. port., 32 plates. (Masters of Russian art) (MH)

KUTEPOVA, T. I. [Avoiding errors in drawing lessons; from work practices] Preduprezhdenie oshibok na urokakh risovaniia; iz opyta raboty. Leningrad, Uchpedgiz, 1962. 94 p.

LEBEDEV, A. K. [Art in letters; critique of current trends in the modern bourgeois fine arts] Iskusstvo v okovakh; kritika novykh tekhniv sovremennom burzhuaznom izobrazitel'nom iskusstve. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 99 p.

LEGER, FERNAND. [Fernand Leger, Georges Bocquet, Madezhda Leger; exhibition catalog] Fernan Lezhe, Zhorzh Bok'e, Madezhda Lezhe; katalog vystavki. [Moskva, Iskusstvo] 1963. 70 p. illus. [Text in Russian and French]

MOSCOW. GOSUDARSTVENNAIA TRET'IAKOVSKAIA GALLEREA. [Essays on Russian and Soviet art] Ocherki po russkomu i sovetskmu iskusstvu; sbornik statei. Leningrad, "Khudozhnik RSFSR," 1962. 272 p. illus.

MOSCOW. MUZEI ARHITEKTURY. [Russian architecture. Soviet architecture; a guidebook] Russkaia arkhitektura. Sovetskaiia arkhitektura; putevoditel'. Moskva, Gosstroizdat, 1962. 165 p.

NUROK, A. I. [Masters of the Soviet graphic arts] Masters sovetskoi stankovoi grafiki. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 73 p. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodeiatel'nosti i shkol'nykh bibliotek)

SHURYGIN, I. I. Boris Ivanovich Orlovskii, 1792-1837. Leningrad, Iskusstvo, 1962. 93 p. illus. (Zhivopis', skulptura, grafika) (CU)

SMIRNOV, G. B., and A. M. SOLOV'EV. [For the beginning artist; drawing from nature] Nachinaiushchemu khudozhniku; o risovanii s natury. Leningrad, Khudozhnik RSFSR, 1962. 90 p.

SOVETSKOE FOTOISKUSTVO. Soviet art photography [Sost. I. K. Tupitsyn] Moskva, Izd-vo lit-ry na inostr. yazykakh [1961?] 13 p. 149 ill. [Parallel texts in five languages] (NN)

TRUSOVA, S. E. [Artists of the Kuban] Khudozhniki Kubani. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959. 54 p.

UMANSKII, N. G. [Sun devices in buildings] Solntse-zashchitnye ustroystva v zdaniakh. Moskva, Gosstroizdat, 1962. 90 p.

ZAVALISHIN, VIACHESLAV. [Andrei Rublev; studies of Russian icon painting] Andrei Rublev; iz etudov o russkoi ikonopisi. Munich, 1946. 12 p. (NNC)

11. LANGUAGE, LITERATURE & FOLKLORE

ABRAMOV, F. A. [Life without father; a tale and stories] Dezotitsovshchina; povest' i rasskazy. Moskva, Sovetskii pisatel', 1962. 229 p. (MH)

AGNIYTVSEV, N. I. A. [My songs] Moi pesenki. San Francisco, Izd. E. V. Charkovskogo, 1963. 108 p.

AKADEMIA NAUK SSSR. Institut slavianovedeniia. [Outline history of Czech literature of the 19th and 20th centuries] Ocherki istorii cheskoskoi literatury XIX-XX vekov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 723 p.

AKADEMIA NAUK URSS. Kiev. Biblioteka, Lvov. [Vasyi' Stefanyk; a bibliography] Vasyi' Stefanyk; bibliografichnyi pokaznyk. Kyiv, Akad. nauk URSS, 1961. 160 p. (MH)

AKADEMIA NAUK URSS. Kiev. Instytut literatury. [Problems of literature] Pytannia literatury; statii. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 205 p.

ALEKSEEV, N. I. [Ordeal; a novel] Ispytanie; roman. Moskva, Voenizdat, 1963. 437 p.

ALEKSEEV, S. P. [Historical tales] Istoricheskie povesti. Moskva, Gos. izd-vo detskoi lit-ry, 1961. 334 p. illus. (Shkol'naiia biblioteka) (MIU)

ALEKSEEVA, O. V., and V. I. SILLANDER, comps. [Anthology of children's literature for normal schools] Khrestomatia po detskoe literature dlia pedagogicheskikh uchilisheh. Izd. 4. Moskva, Uchpedgiz, 1962. 452 p.

AMIROV, G. S. [Comparative syntax of the Russian and Tatar languages; apposition in modern literary Russian as compared with Tatar] Iz sopostavitel'nogo sintaksa russkogo i tatarskogo yazykov; prilozhenie v sovremennom russkom literaturnom yazyke sopostavitel'no s tatarskim. [Kazan'] Izd-vo Kazanskogo univ., 1961. 205 p.

[ANTHOLOGY OF KHAKASS POETRY] Antologiya khakasskoi poezii. [Sost. i obshchala red. I. K. Avramenko]. Abakan, Khakasskoe knizhnoe izd-vo, 1961. 222 p. (MIU)

ANTONOV, V. V. [If you stay alive; a tale and stories] Esli ostanets' zhivy; povest' i rasskazy. Alma-Ata, Kazgostizdat, 1962. 161 p. (MH)

ARTISHCHEV, V. V. [Bright torch; a tale] Chisty fikel; povest'. Moskva, Sovetskaiia Rossia, 1962. 163 p. (MH)

[AZERBAIJANI TALES IN FIVE VOLUMES] Azerbaichan nasyllary; besh childe, Bakı, Azerbaichan SSR ca nasyllary. [In Azerbaijani] Vol. 3. 1962. 280 p.

BALABANOVICH, E. Z. [Chekhov and Chalkovskii] Chekov i Chalkovskii. Moskva, Muzgiz, 1962. 52 p.

BARANOV, S. F. [Russian folk poetry] Russkoe narodnoe poeticheskoe tvorcestvo; posobie dlia studentov istoriko-filologicheskikh fakul'tetov pedagogicheskikh institutov. Moskva, Uchpedgiz, 1962. 306 p.

BARBAS, L. G. [I believe in love; verse] Veriu v ljubov'; stikhi. Moskva, Sovetskii pisatel', 1962. 109 p.

BARENDOIM, E. L. [The oath of Hippocrates] Kliatva Gippokrata. Riga, Latviskoe gos. izd-vo, 1962. 341 p. (MI)

BARKA, VASYL. [A rural Orpheus or the poetry of "Sunny clarinets"] Khiliorobskiy Orfel, nbo klarnetnyzm. Munich, 1961. 87 p. (Biblioteka "Suchasnosty," no. 2)

BAUDOUIN DE COURTENAY, J. I. N. [Selected works on general linguistics] Izbranye trudy po obshchemu yazykoznaniiu. Moskva, Izd-vo Akad. nauk SSSR, Vol. 1. 1963. 382 p.

BERTAGAEV, T. A., and T. S. TSYDENDAMBAEV. [Grammar of the Buryat language; syntax] Grammatika buryatskogo yazyka; sintaksis. Moskva, Izd-vo vostochnoi lit-ry, 1962. 316 p.

BESEDINA-NEVZOROVA, V. P. [The Old Church Slavonic language] Staroslavianskii yazyk. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 359 p.

BILODID, I. K. [The Russian language as the lingua franca of the community of peoples in the U. S. S. R.] Rossijska mova - mova mizhnatsional'noho spilkuvannia narodiv SRSR. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 31 p.

BLAGOV, N. N. [Poppy field; verse] Makovoe pole; stikhi. [Ulanovsk] Ulanovskoe knizhnoe izd-vo, 1962. 83 p. (MH)

BOICHUK, BONDAN. [Memories of love; poems] Spomyny ljubovy; poezi. New York, Vyd-vo N'yu-Iorskoi Grupy, 1963. 94 p.

BRAININA, B. I. A. [Konstantin Fedin; a study of his life and works] Konstantin Fedin; ocherk zhizni i tvorchestva. Izd. 5., ispr. i dop. Moskva, Goslitizdat, 1962. 401 p.

BULIN, VIKTOR. [Flashes of heat lightning; collected verse] Zarnitsy; sbornik stikhotvoreni. Cleveland, Ohio, 1962. 128 p.

BURLAN, BORIS. [Griboedov's waltz] Val's Griboedova. Minsk, Gos. izd-vo BSSR. Red. detskoi i iunosheskoi lit-ry, 1960. 158 p. illus. (MIDW)

CAREME, MAURICE. [My kite. Translated from the French] Moi zmei. Moskva, Gos. izd-vo detskoi lit-ry, 1958. 12 p. illus. (MIDW)

CHANDAR, KRISHAN. [One girl and a thousand in love. Translated from the Urdu] Odn devushka i tyslacha vlyublennykh. Predisl. Iurila Nagibina. Moskva, Izd-vo inostr. lit-ry, 1963. 118 p.

CHISTIAKOV, A. M. [Fresh breeze; a tale] Svezhii veter; povest'. Cheboksary, Chuvashskoe gos. izd-vo, 1962. 150 p. (MH)

CHISTIAKOVA, N. A., and N. V. VULIKH. [History of classical literature] Istoriia antichnoi literatury. [Leningrad] Izd-vo Leningr. univ., 1963. 288 p.

[D. N. MAMIN-SIBIRIAK IN THE REMINISCENCES OF HIS CONTEMPORARIES] D. N. Mamin-Sibirsk v vospomnaniakh sovremennikov. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 350 p.

DOBROVOL'SKII, V. A. [Three in gray overcoats; a tale] Troe v serykh shinellakh; povest'. Kaluga, Izd-vo gazety "Znamia," 1953. 171 p. (OU)

DOM DETSKOI KNIGI. [Books for children; materials to aid teachers, librarians, and pioneer leaders] Knigi-detiia; sbornik materialov v pomoshch' uchiteliam, bibliotekariam i pionerskmu vozhatym. Moskva, Delgiz, 1963. 95 p. (Shkol'naiia biblioteka)

DONCHENKO, OLES'. [Lukla; an antireligious tale] Lukla; antireligiozna povest'. Moskva, Gospolitizdat, 1963. 205 p.

DRABKINA, E. I. A. [Black crusts; stories. Tale about an unwritten book] Chernye sukhari; rasskazy. Povest' o nenapisannoi knige. Moskva, Sovetskii pisatel', 1963. 559 p.

EFSTAF'EV, N. F. [Friends meet] Tussomel pulasse. [Cheboksary] Chuvash ASSR gosudarstva izdatel'stvi, 1962. 95 p. [In Chuvash]

EUENBURG, I. G. [Collected works in nine volumes] Sbranie sochinenii v deviat tomakh. Moskva, Goslitizdat. Vol. 1. [Julio Jurenito, Trust D. E., Thirteen pipes] Khulio Khurenito, Trust D. E., 'Trinadtsat' trubok. 1962. 533 p.

EL'SNER, V. I. [Images of art; verse] Obrazy iskusstva; stikhi. Tbilisi, "Zaria Vostoka," 1962. 169 p.

EREMIN, N. I. [Puzzling question; satirical stories] Kaverznyi vopros; satiricheskie rasskazy. [Ulanovsk] Ulanovskoe knizhnoe izd-vo, 1962. 41 p. (Malen'kaiia bibliotekha) (MI)

ERLIKII, A. I. [Whither rockets summon; tales and stories] Kuda zovut rakety; povesti i rasskazy. Moskva, Sovetskii pisatel', 1963. 460 p.

ERMAKOV, I. M. [Goddess in a greatcoat; Siberian stories] Boginya v shinel'i; sibirskie skazy. [Tiumen'] Tiumenskoe knizhnoe izd-vo, 1962. 119 p. (MH)

EVENTOV, I. S. [Satire in the works of M. Gor'kii] Satira v tvorchestve M. Gor'kogo. Moskva, Sovetskii pisatel', 1962. 285 p.

[EXPLANATORY DICTIONARY OF THE ADYGE LANGUAGE] Tolkovyi slovar' Adygelskogo yazyka. [By] A. A. Khatanov, Z. I. Kerashev. Malkop, Adygelskoe knizhnoe izd-vo, 1960. 690 p. [In Adyge and Russian]

FEDOSEEV, V. I. [Hermes from Manhattan; a tale] Hermes iz Manhettena; povest'. Riga, Latviskoe gos. izd-vo, 1962. 240 p.

FIRSOV, V. I. [Memory; lyric verse and a poem] Pamiat'; lirika i poema. Moskva, Izd-vo "Pravda," 1963. 39 p. (Biblioteka "Ogonek," no. 9)

FONVIZIN, D. I. [The brigadier. The minor] Brigadir. Nedorozi'. Moskva, Izd-vo khudozh. lit-ry, 1961. 126 p. (NBUU) (OU)

FRIDELL, FOLKE. [The girl in grey; novel. Translated from the Swedish] Piga hallis; roman. Tallinn, Ajalehtede-Ajakirjade Kirjastus, 1962. 166 p. ("Loomingu" Raamatukogu, no. 23-25(236-241)) [In Estonian]

GAK, V. G., and I. I. L'VIN. [Course in translation: French, sociopolitical vocabulary] Kurs perevoda: frantsuzskii yazyk; obshchestvenno-politicheskaiia leksika. Moskva, Izd-vo IMO, 1962. 434 p.

- GALKIN, S. Z. [Verse of recent years. Translated from the Yiddish] Stikhi poslednikh let. Moskva, Sovetskii pisatel', 1962. 214 p.
- GATOV, A. B. [April is a lucky month; verse] April', schaslivyi mesats; stikhotvorenia. Moskva, Sovetskii pisatel', 1962. 127 p.
- GAZIMAEV, TADZHIBAL [The work of Fazil Iuldash-oglu during the Soviet period. Tvorchestvo Fazyl Iuldash-ogly v sovetskuyu epokhu. Tashkent] 1955. 159 p. [In Uzbek] (MH)
- GERSHKOVICH, A. A. [Theatrical Budapest] Teatral'nyi Budapest. [Moskva, Iskustvo, 1961] 161 p. (MH)
- GLADKOVSKAYA, L. A. [Birth of the epic "Iron stream" by A. S. Serafimovich] Rozhdenie epopei "Zheleznyi potok" A. S. Serafimovicha. Moskva, Sovetskii pisatel', 1953. 202 p.
- GOETHE, JOHANN WOLFGANG von. [Faust; a tragedy. Translated from the German] Faust; tragediya. Moskva, Iskustvo, 1962. 568 p. (CU) (CIV)
- GOGOL', N. V. [Evenings on a farm near Dikanka. Book 1: Sorochinsk Fair; May night] Vechera na khutore bliz' Dikan'ki. Kniga 1: Sorochinskaya iarmarka, Malskaia noch'. Bayreuth, L. Ellwanger, 1946. 50 p. (InU)
- GOGOL', N. V. [May night, or the Drowned maiden] Malskaia noch' ili Utoplennitsa. Moskva, Gos. izd-vo detskoi lit-ry M-va prosv. RSFSR, 1952. 31 p. (Gogol-evskaia biblioteka) (N)
- GOGOL', N. V. [Night before Christmas] Noch' pored Rozhdestvom. Moskva, Gosizdat, 1956. 45 p.
- GOLOSOVKER, I. A. E. [Dostoevskii and Kant; a reader's thoughts on the novel "Brothers Karamazov" and Kant's treatise "Critique of pure reason"] Dostoevskii i Kant; razmyshlenie chitatelia nad romanom "Brat'ia Karamazovy" i traktatom Kanta "Kritika chistogo razuma." Moskva, Izd-vo Akad. nauk SSSR, 1963. 100 p.
- [GOOD MORNING, FOLKS!] Dobroe utro, liudi! Moskva, Sovetskoi pisatel', 1962. 295 p.
- GOVOROV, A. A. [The wedding; poems] Svad'ba. [Moskva] Sovetskaya Rossiia, 1962. 127 p. (MH)
- GRIBOV, I. T. [Double charge, fire; satirical stories] Dupletom, ogon'; satiricheskie rasskazy. [Kostroma] Kostromskoe knizhnoe izd-vo, 1962. 83 p. (MH)
- GRUSLANOV, V. N., and M. P. LOBODIN. [History of a testament; stories about Suvorov] Istorii odnogo zaveshchaniia; rasskazy o Suvorove. [Vnitsa] Vnitskoe oblastnoe knizhno-gazetnoe izd-vo, 1962. 133 p. (MH)
- GULIA, GEORGII. [While the Earth rotates...; a novel. Stories] Poka vrashchaetsia Zemlia...; roman. Rasskazy. Moskva, Sovetskii pisatel', 1962. 426 p.
- GVENETADZE, G. D. [Maksim Gor'kii and Georgian literary thought at the beginning of the 19th century] Maksim Gor'kii i gruzinskaya literaturnaya mysl' v nachale XX veka. Tbilisi, Zaria Vostoka, 1961. 262 p. (RPB)
- HAKAMOTO, TAKAKO. [Airstrip. Translated from the Japanese] Vzletnaia polosa. Moskva, Izd-vo inostr. lit-ry, 1962. 282 p.
- HARULIOU, MIKOLA. [Friends and comrades; a tale] Druz'ia-tovarischi; povest'. Minsk, Gos. izd-vo BSSR, 1962. 207 p. (MH)
- HAVRYLUK, P. I. [Aesthetic nature of art] Estetychna pryroda myslitstva. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 54 p. (Vcheni Ukrainy - universitetna kul'tura)
- [HEART STRINGS; Ukrainian love songs] Struny serdtsia; ukrains'ki pisni pro kochannia. [Vydannia zdilnistuiet'sia zahal'nym nahladom Andriia Malysheka (a Platona Matbordoy)] Kyiv, [Derzhlitvydav] 1960. 237 p. (MH) (NN)
- HERTZEN, A. I. [On literature] O literature. Moskva, Goslitizdat, 1962. 646 p.
- [HISTORICAL GRAMMAR OF THE UKRAINIAN LANGUAGE] Istorychna gramatyka ukrains'koi movy; pidruchnyk dlia studentiv movno-literaturnykh fakul'tetiv pedagogichnykh instytutiv URSSR. [By] O. P. Bezpal'ko la Inshi. 2. vyd., vypravlene. Kyiv, Radians'ka shkola, 1962. 500 p.
- HONCHAR, O. T. [Tales] Povesti. [Moskva] Izd-vo "Molodaia gvardiia," 1962. 348 p.
- [HOT STONE; stories of Soviet writers] Goriachii kamen'; rasskazy sovetskikh pisatelei. [By] A. Gaidar i dr. Moskva, Izd-vo lit-ry na inostr.azykakh [n.d.] 110 p.
- HYMAILLO, I. A. V. [Unfinished novel] Nezakluchenyi roman. Kyiv, Derzhlitvydav, 1962. 342 p. (MH)
- HUSEIN, MEKHTI. [Difficult autumn; a tale] Trudnaia osen'; povest'. Baku, Azerbaidzhanskoe gos. izd-vo, 1961. 163 p. (MH)
- IAKIMOVICH, T. K. [Satirical press of the French republican democrats from 1830-1835; a contribution to the history of 19th century realism in France] Satiricheskaia pressa frantsuzskoi respublikanskoi demokrati 1830-1835 gg.; k istorii realizma XIX veka vo Frantsii. [Kiev] Izd-vo Kievskogo univ., 1961. 181 p. (MH)
- IAKIMOVICH, T. K. [The French realistic sketch, 1830-1848] Frantsuzskii realisticheskii ocherk, 1830-1848 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 217 p.
- IANKO-TRINITSKAYA, N. A. [Reflexive verbs in modern Russian] Vozvratnye glagoly v sovremennom russkomazyke. Moskva, Izd-vo Akad. nauk SSSR, 1947 p.
- ILARION, Metropolitan of Winnipeg and All Canada. [Our struggle for the Ukrainian state; an historical epic] Nash bil za Derzhavnu!; istorychna opovista. Winnipeg. Pt. 1. 1962. 224 p.
- [INTO OUTER SPACE; a collection of verse] V kosmos; [sbornik stikhov. Red. A. I. Eliseev. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1961. 36 p. (Stikhi gor'kovskikh poetov) (MH)
- IOSIFOV, K. V. [Those in search of the "Dzhikhli"] Okhotniki za dzhikhli. Moskva, Detgiz, 1962. 236 p.
- ISAKOVSKII, M. V. [Works in two volumes] Sochineniia v dvukh tomakh. Moskva, Goslitizdat. Vol. 2. [Verse, songs, translations] Stikhotvorenia, pesni, perevody. 1961. 480 p.
- [ITALIAN-RUSSIAN DICTIONARY. 55,000 words] Ital'iansko-russkii slovar'. Sost. N. A. Skvoritsova, B. N. Maizel'. 55,000 slov. Moskva, Gos. izd-vo inostr. i natsional'nykh slovaroi, 1963. 954 p.
- KANTVETS, V. V. [Discovery of Tofalaria; stories] Otkrytie Tofalarii; rasskazy. Riga, Latvinskoe gos. izd-vo, 1962. 156 p. (MH)
- KAPUTKIAN, S. B. [I live with my heart. Translated from the Armenian] Zhivu ia serdtsom. Erevan, Aipetrat, 1963. 194 p.
- KARKADINOVSKAYA, I. V. [Exercises on punctuation; for evening (staggered) schools of secondary general education] Sbornik uprazhnenii po punktuatsii; dlia vechernei (smennoi) srednei obshcheobrazovatel'noi shkoly. Moskva, Uchpedgiz, 1962. 130 p.
- KARPAU, ULADZIMIR. [Spring showers; a novel] Viasennia liuni; roman. Z tsyika "Na perevale stahoddzia. Minsk, Dziarzh vyd-va BSSR, 1961. 462 p. (MH)
- KAZAKEVICH, EMANUEL. [In daylight; story. Translated from the Russian] Pnevvalgel; jutustus. Tallinn, Ajalehtede-Ajakirjade Kirjastus, 1962. 46 p. ("Loomingu" Raamatukogu, no. 27(243)) [In Estonian]
- KAZANTSEV, A. P. [Arctic bridge] Arkticheskii most. Moskva, Gos. izd-vo detskoi lit-ry, 1959. 530 p. (Biblioteka priklucheni i nauchnoi fantastiki) (NIC)
- KAZANTSEV, A. P. [Guests from space; tales and stories] Gosti iz kosmosa; povesti i rasskazy. [Moskva] Mosk. rabochii, 1963. 609 p.
- KESHELAVA, TENGIZ. [Sadeq Medaya's prose] Khudozhestvennaya proza Sadeka Khedajata. Tbilisi, Zaria Vostoka, 1958. 98 p. (MH)
- KHAKIM, SIBTAT. [Flowers of the storm; verse and poem. Translated from the Tatar] Tsvety buri; stikhi i poema. Moskva, Sovetskii pisatel', 1962. 148 p. (MH)
- KHILTUKHIN, DANRI. [Blue Kerulen; a collection of verse. Translated from the Mongolian] Gohubol Kerulen; [sbornik stikhov]. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1961. 26 p. (MH)
- KIRAPCHENKO, M. B. [Lev Tolstoi as an artist] Lev Tolstoi kak khudozhnik. Moskva, Sovetskii pisatel', 1963. 659 p.
- KIRUSHCHEV, N. S. [Lofty ideals and creative tale are the great forces of Soviet literature and art; speech made at the meeting of government and party leaders with art and literary figures, March 8, 1961] Vysokaya ideinost' i khudozhestvennoe mastersvo velikai sili sovetskoi literatury i iskusstva; rech vstroche rukovoditelei partii i pravitel'stva s deiatel'nykh literatury i iskusstva 8 marta 1963 go. Moskva, Gospolitizdat, 1963. 62 p.
- KIRPOTIN, V. I. A. [Pathos of the future] Pafos budushchego; stat'i. Moskva, Sovetskii pisatel', 1962. 377 p.
- KIRSANOV, S. I. [Lyric poetry] Litika. Moskva, Sovetskii pisatel', 1962. 401 p.
- KIRSHON, V. M. [V. M. Kirshon; articles and speech about playwrighting, the theater, and motion pictures] V. M. Kirshon's plays on the stage. Reminiscences about V. M. Kirshon. V. M. Kirshon; stat'i i rechi, dramaturgi, teatro i kino. P'esay V. M. Kirshona na sseeno. Vospominaniia o V. M. Kirshone. Moskva, Iskustvo, 1962. 293 p. illus. (MH)
- KISELEVA, E. G. [Giliarovskii on the Volga] Giliarskii na Volge. [Laroslavl] Laroslavskoe knizhnoe izd-vo, 1962. 93 p.
- KOCHETOV, V. A. [Selected works in three volumes] Izbrannye proizvedeniia v trekh tomakh. Moskva, Goslitizdat. Vols. 1-3. 1962.
- KOLAS, IAKUB, pseud. [Verses and poems] Stikhotvorenia i poemy. Vstup. stat'ia, podgotovka teksta i primechaniia E. S. Mozo'kova. Red. perevodov A. Prokof'eva. [Leningrad] Sovetskii pisatel' 1961. 516 p. (Biblioteka poeta. Malala seria, izd. 3) (NNC)
- KONDUCHALOVA, SAGIPA. [Phonetic characteristics of the Kirghiz language in the materials collected by V. V. Radlov. Phonetic and morphological characteristics of the Kirghiz language in the materials collected by V. V. Radlovym. Frunze, Akad. nauk Kirgizskoi SSR] 1961. 103 p. [In Kirghiz] (MH)
- KOROTAEV, VIKTOR. [Examination; verse] Ekzamen stikhi. [Vologda] Vologodskoe knizhnoe izd-vo, 1957. 78 p. (MH)
- KORSUNSKAYA, V. M. [Stories about Charles Darwin] Rasskazy o Charleze Darvine. Moskva, Izd-vo "Detskii mir" M-va kul'tury RSFSR, 1961. 100 p.
- KOTKOV, S. I. [The south Great Russian dialect in the 17th century; phonetics and morphology] Iuzhnovelkorusskoe narechie v XVII stoletii; fonetika i morfolgia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 234 p.
- KOTSUBYNS'KYI, MYKHAILO. [Works in six volumes] Tvory v shesti tomakh. Kyiv, Vyd-vo Akad. nauk URSS. Vol. 4. 1962. 314 p.
- KOZACHENKO, V. P. [Lighting; a tale] Blyskavka; povist'. Kyiv, Molod', 1962. 300 p. (MH)
- KUCHERENKO, I. K. [Theoretical questions in the grammar of the Ukrainian language] Teoretychni pytannia gramatyky ukrains'koi movy. [Kyiv] Vyd-vo Kyivs'kogo univ. Vol. 1. [Morphology] Morfologiya. 1961. (InU) (MH)

- KURYLOWICZ, JERZY. [Essays on linguistics. Translated from the Polish, French, English, and German] Ocherki po lingvistike; sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1962. 456 p.
- KUZMICHEV, A. P. [Southwest; a novel] Iugo-Zapad; roman. Moskva, Voenizdat, 1962. 654 p.
- KUZMIN, N. P. [In the land of the fathers; tales, stories, and travel notes] Na zemle otsov; [povesti, rasskazy, putevye zapiski]. Alma-Ata, Kazgostizdat, 1962. 210 p. illus. (MH)
- KUZNETSOV, V. P. [Marinka; a poet's first book] Marinka; pervaya kniga poeta. [Magadan] Magadanskoe knizhnoe izd-vo, 1962. 46 p. (MH)
- LAKSHIN, V. IA. [Tolstoi and Chekhov] Tolstoi i Chekhov. Moskva, Sovetskii pisatel', 1963. 568 p.
- LARIONOVA, K. M. [Starry road; a tale] Zvezdnaya doroga; povest'. Moskva, Voenizdat, 1963. 225 p.
- LARI, IA. L. [Unusual adventures of Karik and Valia] Neobyknovennye priklucheniia Karika i Valii. [3. izd.] Leningrad, Gos. izd-vo detskoi lit-ry, 1957. 285 p. ill. s. (Shkol'naya biblioteka) (IU)
- LAZNECHNIKOV, I. I. [Last novik] Posledni novik. Moskva, Izvestia, 1962. 632 p. (Biblioteka istoricheskikh romanov narodov SSSR)
- LIPSHITS, O. D., comp. [German-Russian pocket dictionary. 7,000 words] Karmannyi nemetsko-russkii slovar'. 7000 slov. Moskva, Gos. izd-vo inostr. i natsional'nykh slovaroi, 1961. 569 p.
- [LITERARY RUSSIA; collection of critiques on literature] Literaturnaya Rossiia; sbornik literaturno-kriticheskikh statei. Moskva, Izd-vo "Sovetskaya Rossiia," 1962. 617 p.
- LIU, PAI-YÜ. [The commissar; stories. Translated from the Chinese] Komissar; rasskazy. Moskva, Gos. izd-vo detskoi lit-ry, 1950. 30 p. (Shkol'naya biblioteka) (IU)
- LOBANOV, M. P. [Time bursts into books] Vremia vryvaetsia v knigi. Moskva, Sovetskii pisatel', 1963. 178 p.
- LOMEZE, G. I. [Literary criticism] Literaturno-kriticheskie stat'i. Tbilisi, Izd-vo SP Gruzii "Zaria Vostoka," 1962. 275 p.
- LOZOVIK, G. N. [K. M. Stanukovich; an account of his life and works] K. M. Stanukovich; kritiko-biograficheski ocherk. Simferopol', Krymizdat, 1953. 197 p. (OU)
- MAIAKOVSKII, V. V. [Selected works] Izbrannoe. Moskva, Sovetskii pisatel', 1948. 302 p. (Biblioteka izbrannykh proizvedenii sovetskoi literatury, 1917-1947) (OU)
- MAIRONIS, JONAS. [Selected works; verse. Translated from the Lithuanian] Izbrannoe; stikhotvoreniia. Moskva, Goslitizdat, 1962. 174 p.
- MAKHACH-KALA. DAGESTANSKAYA RESPUBLIKAN-SKAYA BIBLIOTEKA. [Tagir Khuringskil, the national poet of Dagestan. A bibliography of recommended literature] Narodnyi poet Dagestana Tagir Khuringskil; rekomendatsionnyi ukazatel' literatury. Sost. F. Akimova. Red. A. Agaev. Makhachkala, 1959. 14 p. (MH)
- MALGAI, I. G. [Warm greeting; verse] Asha salam. Shupashkar, Chavash ASSR, keneke izd-vi, 1962. 123 p. [In Chuvash]
- MALYSHIKO, ANDRII. [Distant orbits] Daleki orbity. [Kyiv, Radians'kyl pys'mennyk, 1962]. 436 p. (MH)
- MARSHAK, S. IA. [Merry-go-round] Karusel'. Moskva, Molodai gvardiia, 1962. 224 p.
- MASHINTSEV, V. N. [For further successes of Soviet literature] Za novyi pod'em sovetskoi literatury. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963. 68 p.
- MATVIAS, I. H. [Course in the modern Ukrainian literary language; morphology] Kurs suchasnoi ukrain's'koi literaturnoi mowy; morfologiya. Posbnyk dlia studentiv-zachnykiv pedagogicheskikh institutiv. Kyiv, Radians'ka shkola, 1962. 163 p.
- MEI, L. A. [Selected works] Izbrannye proizvedeniia. Vstup. stat'ia G. M. Fridlendera. Podgotovka teksta i primechaniia N. N. Petruninai. Moskva, Sovetskii pisatel', 1962. 482 p. (Biblioteka poeta. Maliaia seria izd. 3.)
- MEKHALKOV, S. V. [Short stories and tales (for adults and children)] Novelly i skazki (vzroslym i detiam). Moskva, Izd-vo "Pravda," 1963. 46 p. (Biblioteka "Ogoniek," no. 10)
- MORRISON, JOHN. [The prophet of Pandaloo. Translated from the English] Pandalooi prphet. Tallinn, Ajalehtede-Ajakirjade Kirjastus, 1962. 55 p. ("Loomingu" Raamatukogu, no. 26[242]) [In Estonian]
- MOSCOW. PUBLICHNAIA BIBLIOTEKA. Otdel spravочно-bibliograficheskoi i informatsionnoi raboty. [Cultivation of Russian speech; an annotated bibliography] Kul'tura russkoi rechi; annotirovannyi ukazatel' literatury. Moskva, 1962. 55 p.
- MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Maria Konopnicka; a bibliography] Maria Konopnitskaia; bibliograficheski ukazatel'. Moskva, Izd-vo Vses. knizhnoi palaty, 1962. 184 p. (Pisateli zarubezhnykh stran)
- MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Mikhail Sadoveanu; a bibliography] Mikhail Sadovianu; bibliograficheski ukazatel'. Moskva, Izd-vo Vses. knizhnoi palaty, 1962. 94 p.
- MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Nazim Hikmet; a bibliography] Nazim Hikmet; bibliograficheski ukazatel'. Moskva, Izd-vo Vses. knizhnoi palaty, 1962. 117 p. (Pisateli zarubezhnykh stran) (MH)
- NEKRASOV, N. A. [Selected works] Izbrannoe. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 2 v. (IU)
- [NEWS OF RUSSIA; a tale in verse by serifs, 1830-1940] Vesti o Rossii; povest' v stikhakh krepostnogo krest'ianina, 1830-1940. [Aroslav'] Larostavskoe knizhnoe izd-vo, 1961. 152 p. (MH)
- NIKOLAEV, D. P. [Laughter is the weapon of satire] Smekh - oruzhie satiry. Moskva, Izd-vo "Iskusstvo," 1962. 221 p.
- NIKOL'SKII, L. B. [Auxiliary words in the Korean language] Sluzhebnye slova v koreiskom iazyke. Moskva, Izd-vo vostochnoi lit-ry, 1962. 179 p.
- NOSOV, N. [Little friend] Druzhok. Moskva, Gos. izd-vo detskoi lit-ry, 1961. 30 p. (Moi pervye knizhki) (MDW)
- NOVIKOV-PRIBOI, A. S. [Collected works in five volumes] Sbranie sochinenii v plati tomakh. Moskva, Izd-vo "Pravda." (Biblioteka "Ogoniek") Vol. 5. 1963. 355 p.
- NOVIKOVA, K. A. [Draft of a unified phonetic transcription for Tungusic-Manchu languages] Proekt odnoi foneticheskoi transkriptsii dlia tunguso-man'-chzhurskikh iazykov. Moskva, [In-t iazykoznaniiia Akad. nauk SSSR] 1960. 83 p. (IU)
- ODINOKOV, V. G. [D. I. Pisarev's views on literature] Esteticheskoi literaturno-kriticheskie vzglady D. I. Pisareva; uchebnoe posobie. Novosibirsk, Novosibirskii gos. pedagog. in-t, 1961. 48 p. (MH)
- ORANSKII, I. M. [Iranian languages] Iranskie iazyki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 201 p. (Iazyki zarubezhnogo Vostoka i Afriki)
- ORLOV, M. M. [N. G. Pomalovskii's language] Iazyk N. G. Pomalovskogo. [Rostov-na-Donu] Kabardino-Balkarskii gos. univ., 1959. (MH)
- ORLOV, V. N. [Roads and destinies; literary sketches] Puti i sud'by; literaturnye ocherki. Moskva, Sovetskii pisatel', 1963. 606 p.
- OSTAPENKO, G. G. [His own road; stories and a tale] Svola doroga; rasskazy i povest'. [Magadan, Magadanskoe knizhnoe izd-vo, 1961] 143 p. (MH)
- OVECHKIN, V. V. [Let it happen; plays] Pust' eto suditsia; p'esy. Moskva, Sovetskii pisatel', 1962. 338 p. (MH)
- PAK, UNG-GÖL. [Fatherland; a novel. Translated from the Korean] Otechestvo; roman. Predisl. Tikhona Semushkina. Moskva, Izd-vo inostr. lit-ry, 1962.
- PAUSTOVSKII, K. G. [Golden teach; stories] Zolotoi im'; rasskazy. Moskva, Izd-vo "Sovetskaya Rossiia," 1962. 85 p.
- PAVLOVICH, N. V., and T. E. UDOD. [Collection of expository texts for grades 5-8 in Ukrainian schools] Sbornik tekstov dlia izlozhenii v V-VIII klassakh shkol s ukrainklin iazykom obuchenia. Kiev, Radians'ka shkola, 1962. 223 p.
- PELT, V. D., and A. L. MISHURIS. [The theory and practice of the party and Soviet press] Teoriia i praktika partinnoi i sovetskoi pechatii; uchebno-metodicheskoe posobie dlia studentov-zachnykov II-V kursov fakul'tetov zhurnalistskii gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962. 144 p.
- PETROV, I. F. [Buddy of the king; humorous stories, sketches, feuilletons] Kum korolliu; humoristicheskie rasskazy, zarisovki, fol'etony. [Omsk] Omskoe knizhnoe izd-vo, 1962. 108 p.
- PIL'HUK, I. I. [Traditions of T. H. Shevchenko in Ukrainian literature; the prerevolutionary period] Traditsii T. H. Shevchenka v ukrains'kii literatur; dozhytnevyi period. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963. 293 p.
- PLACHYNDA, S. P. [Tania Solomakhia; a tale] Tania Solomakhia; povest'. Moskva, Molodaia gvardiia, 1961. 208 p. (MH)
- POCHECHUEV, A. N. [The technique of editing; the editorial preparation of technical books for publication] Tekhnika redaktsionnoi; redaksiionnaia podgotovka tekhnicheskoi knigi k izdaniu. Moskva, Izd-vo "Iskusstvo," 1962. 278 p.
- POMERANTSEVA, E. V., and S. I. MINTS, comps. [Russian folk poetry; an anthology] Russkoe narodnoe poeticheskoe tvorechestvo; khrestomatia: uchebnoe posobie dlia vuzov. Izd. 2., ispr. i dop. Moskva, Uchpedgiz, 1963. 575 p.
- POTAPOV, N. M. [Meetings without a verbatim report; reminiscences of a journalist] Vstrechi bez stenogrammi; vospominaniia zhurnalista. [Moskva] Moskovskii rabochii, 1962. 93 p.
- POZDNEEV, A. A. [Insight] Prozrenie. Moskva, Voentzdat, 1962. 50 p. (Biblioteka soldata i matrosa)
- [PRESENT-DAY UKRAINIAN FAIBLES] Suchasni ukrains'ki baiky. [Red. L. S. Malakhova] Kyiv, Derzhlitvydav, 1962. 190 p. illus. (MH)
- [PROSE OF DEMOCRATIC WRITERS IN THE 1860's] Proza pisatelei-demokratov shestidesiatykh godov XIX veda. [By] I. G. Vasil'ev i dr. Moskva, Vysshaiia shkola, 1962. 330 p.
- PRUSHYNSKI, ALYAKSANDAR. [Mother's gift and other works] Matchyn dar i inshia tvory. Pad red. Ant. Adamovicha i St. Stankevicha. New York, Vyd-va "Batakaushchyna," 1962. 270 p. [Publ. under his pseud. Alex' Harun] (CAOTU)
- PUSHKIN, A. S. [Ruslan and Liudmila; a poem] Ruslan i Liudmila; poema. Ufa, Bashkirskoe knizhnoe izd-vo, 1955. 55 p. illus. (OU)
- [RANK AND FILE OF THE PARTY] Partii riadovoi. Moskva, Dalgiz, 1962. 319 p. (Shkol'naya biblioteka)
- SAGITOV, I. T. [Kara-Kalpak heroic epic] Karakalpakskii gerolicheskii epos. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 105 p.
- SAULITIS, BRUNO. [Son of a Latvian rifleman; a tale. Translated from the Latvian] Syn strelka; povest'. Moskva, Sovetskii pisatel', 1962. 178 p.
- SEMYNIN, P. A. [Nearness of the heavens; verse and poems] Blizost' neba; stikhi i fol'etony. Moskva, Sovetskii pisatel', 1962. 131 p.
- SERGEEV, G. I. [In jest and in earnest; fables and sketches] V shutku i vserioz; basni i fol'etony. [Vladimir] Vladimirovskoe knizhnoe izd-vo, 1962. 24 p. (MH)

SHARUPICH, A. P. [Decenbriist Aleksandr Bestuzhev; his philosophy and literary works] Dekabrist Aleksandr Bestuzhev; voprosy mirovozzreniya i tvorchestva. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniya BSSR, 1962. 91 p.

SHATROV, S. M. [The nylon coat; true stories about its owners and other no less curious characters] Neilonovaya shubka; pravdivye novelly o ee vladel'tsakh i drugikh ne menee liubopytnykh personazhakh. Moskva, Sovetskii pisatel'. 1962. 179 p. (MH)

SHAYRIN, I. A. [Carrying out a strict order; verse] Surovyi nakaz vypolniai; [stikhi]. Izhevsk, Udmurtskoe knizhnoe izd-vo, 1961. 47 p. (MH)

SECHIPACHEV, S. P. [Only the select] Tol'ko izbrannoe. [Moskva] Mosk. rabochii, 1962. 227 p. (CY) (MH) (NN)

SHEREMETEV, U. T. [An apple on the palm of the hand; stories] Iabloko na ladoni; rasskazy. [Briansk] Brianskii rabochii, 1962. 65 p. (MH)

SHEVCHENKO, A. S. [In the Leningrad woods; stories about nature and hunting] V Leningradskikh lesakh; rasskazy o prirode i okhote. [Leningrad] Lenizdat, 1962. 260 p.

SHEVCHENKO, V. A. [Konstantinovskiy ravelin; a tale] Konstantinovskii ravelin; povest'. Moskva, Voenizdat, 1962. 343 p.

SHOLOKHOV, M. A. [Man's fate; a story] Sud'ba cheloveka; rasskaz. Moskva, Gos. izd-vo detskoi lit-ry, 1961. 62 p. (Shkol'naya biblioteka dlia nerusskikh shkol) (NN) (VIU)

[SHORT STORIES ABOUT VAST SPACE] Malen'kie rasskazy o bol'shom kosmose. [Moskva] Izd-vo "Molodaya gvardiia," 1962. 349 p.

[SILVER KEY; Thai tales. Translated from the Siamese] Serobrianyi kluch; taiskie skazki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 230 p.

SIMAKOV, S. U. [In a forest near the front; a novel based on a true story of the N. I. Buslovskii Partisan Brigade] V lesu pri frontovom; [dokumental'naya povest'] o partizanskoi brigade im. N. I. Buslovskogo. Kaluga Kaluzhskoe knizhnoe izd-vo, 1962. 188 p. (MH)

SLUCHEVSKII, G., and G. KOSTIUKOVSKII, comp. [Day and night; tales and stories] Dnem i noch'iu; povesti, rasskazy. [2. perer. i dop. izd. Kaliningrad]. Kaliningradskoe knizhnoe izd-vo, 1962. 450 p. (MH)

[SMILES OF FRIENDS; humor and satire. Translated from the Bulgarian and other languages] Ulybki družei; humor i satira. Moskva, Izd-vo inostr. lit-ry, 1962. 270 p.

SMILANS'KIY, LEONID. [Youth of a poet; a novel] Molodost' poeta; roman. Moskva, Izd-vo "Izvestiia," 1962. 517 p. Biblioteka istoricheskikh romanov narodov SSSR)

SMIRNOV-SOKOL'SKII, N. P. [Stories about Pushkin's works published during his lifetime...] Rasskazy o prizhiznennykh izdaniakh Pushkina... Moskva, Izd-vo Vses. knizhnoi palaty, 1962. 630 p.

SOBOLEV, L. S. [Capital repair; a novel] Kapital'nyi remont; roman. Moskva, Sovetskaya Rossiia, 1962. 425 p.

SOSNORA, V. A. [January rainstorm; verse] Ianvar'skii liven'; stikhi. [Moskva, Sovetskii pisatel', 1962]. 99 p. (MH)

STEINBECK, JOHN. [Johnny Bear. Translated from the English] Ushi Dzhonni medvedia. Moskva, Izd-vo "Pravda," 1963. 46 p. (Biblioteka "Ogonek," no. 11)

SYCHEVSK'KIY, V. P. [Witch of the Blue Ravine; a tale] Chaklunka Syn'oko Vyru; povest'. Kyiv, Molod', 1962. 138 p. (MH)

TEVZADZE, DAVID. [Problems of present-day Georgian literature] Voprosy sovremennoi gruzinskoi literatury. Tbilisi, Akad. nauk Gruzinskoi SSR, 1962. 135 p. [In Georgian] (MH)

THACKERAY, W. M. [Vanity fair; a novel without a hero. Translated from the English] Iarmarka Tshcheslavii; roman bez gerola. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 2 v. (IEN)

TIMOFEEV, L. I., ed. [Russian literature] Russkaiia literatura. [By] M. A. Bolnyshev i dr. Izd. 4., ispr. Moskva, Vysshaya shkola, 1962. 497 p.

TIMROT, A. D. [Heroes and figures in L. N. Tolstol's novel "War and Peace"] Gerol i obrazy romana L. N. Tolstogo "Voyna i mir." Izd. 2. ispr. i dop. [Tula] Tul'skoe knizhnoe izd-vo, 1961. 122 p. (RPB)

TOLMACHEV, A. V. [The art of public speaking] Ob oratorskom iskusstve. Izd. 3., ispr. i dop. Moskva, Gospolitizdat, 1962. 351 p.

TOLSTOI, L. N. [The Cossacks; a tale of the Caucasus in 1852] Kazaki; kavkazskaya povest' 1852 goda. Prague, Kn-vo "Klutor," 1946. 207 p. (OU)

TROEPOL'SKII, G. N. [Chernozem; a novel] Chernozem; roman. Moskva, Sovetskii pisatel', 1962. 466 p.

TROFYMUK, S. M. [Works of Stepan Tudor] Tvorchist' Stepana Tudora. Kyiv, Vyd-vo AN URSR, 1963. 173 p.

TSIVCHYNS'KA, ALLA. [Unforgettable and undimmed; a story about Mykola Zerov] Nezabutnie, nemerknuchie; povisti-spolnady pro Mykola Zerova. New York, 1962. 63 p. (MH)

TSUKERMAN, I. I. [Outline of Kurdish grammar; Kurmanji verbal forms] Ocherki kurdskoj grammatiki; glagol'nye formy kurmandzhi. Moskva, Izd-vo vostochnoi lit-ry, 1962. 238 p.

TUDOR, STEPAN. [Works in two volumes] Tvory v dvoch tomakh. Kyiv, Vyd-vo Akad. nauk URSR. Vols. 1-2. 1962.

TURICHIN, I. A. [I'm off to make steel; story about a romantic] Idu varit' stal'; rasskaz ob odnom romantike. [Moskva] Izd-vo "Molodaya gvardiia," 1962. 63 p. (Vot oni - komssomol'skie malaki)

TURICHIN, I. A. [The roads we choose; a tale] Dorogi, kotorye my vybiraem; povest'. [Moskva] Molodaya gvardiia, 1962. 127 p. (MH)

TVARDOVSKII, A. T. [Vasilii Terkin; a book about a fighter] Vasilii Terkin; kniga pro boitsa. [Moskva?], Voen. izd-vo, 1946] 237 p. illus. (OU)

ULAN-UDE, BURIATSKII KOMPLEKSNII NAUCHNO-ISLEDOVATEL'SKII INSTITUT. [Basic problems in the study of poetic works of Siberian and Far Eastern peoples] Osnovnye problemy izucheniia poeticheskogo tvorchestva narodov Sibiri i Dal'nego Vostoka; doklady, soobshcheniia i vystupleniia uchastnikov konferentsii po izucheniiu poeticheskogo tvorchestva narodov Sibiri i Dal'nego Vostoka 14-16 dekabria 1959 g. Ulan-Ude, 1961. 175 p.

USPENSII, L. V. [You and your name] Ty i tvoe imia. [Leningrad, Gos. izd-vo detskoi lit-ry, 1960. 202 p. (IU) (RPB)]

VASILISA PREMUDRAIA. [Vasilisa the wise; a Russian folk tale] Vasilisa premudraia; russkaya narodnaya skazka. Obrabotka V. Gakhov. Moskva, Deiziz, 1961. unpagged, col. illus. (MIDW)

VASIL'KOV, I. A. [Secret of the two sphinxes, or a narrative of unusual events in which reality is closely interwoven with the imaginative and the fantastic] Taina dvukh sfinksov, ili povestvovanie o neobyichnykh sobytiiakh, gde deistvitel'nost' tesno perepletaetsia s vymyslom i fantastikoi. [Moskva] Molodaya gvardiia, 1961. 175 p. (MH)

VIADRO, SH. IA. [Nikolai Ostrovskii and his readers] Mykola Ostrova'kyl ta loho chytachi. Kyiv, Radlans'ka shkola, 1962. 158 p.

VINHRANOVSK'KIY, MYKOLA. [Atomic preludes; verse] Atomni preludy; poezii. Kyiv, Radlans'kyl pys'mennyk, 1962. 117 p. (MH)

VOROB'EV, E. Z. [Nezabudka; a short tale] Nezabudka; malen'kaya povest'. [Moskva] Glav. polit. upr. Sovetskoi Armii i Voenno-Morskogo Flota, 1962. 47 p. (Biblioteka zhurnala "Sovetskii voin," no. 17[444])

VOSKRESENSKAIA, A. L., S. P. REDOZUBOV, and A. V. IANKOVSKAIA. [Primer for teaching children in the home] Azbuka dlia obucheniia detei v sem'e. Izd. 2. Moskva, Gos. uchebno-pedagog. izd-vo M-vo prosv. RSPSR, 1960. 102 p. (CAOTU)

WU JUI, WU YUAN-CHHI, and LI CHEN-KANG. [Twenty-five years in battles and campaigns; a tale. Translated from the Chinese] 25 let v bolakh i pokhodakh; povest'. Moskva, Voenizdat, 1962. 131 p.

ZAKIROV, SAPARBEK. [Proverbs and sayings of the Kirghiz] Kyrgyz elinin malal, lakaplary. Frunze, Kyrgyz SSR Ilmder Akademiiasynyn basmasy, 1962. 126 p. [In Kirghiz]

ZALYGIN, S. P. [Altai trails; a novel] Tropi Altai; roman. Moskva, Sovetskii pisatel', 1962. 430 p.

ZARUDNYI, MYKOLA. [Antaeus; plays] Antei; zhmyk p'es. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 467 p. (NN)

ZHARKOVSKII, M. I. [Fables] Basni. [Tula] Tul'skoe knizhnoe izd-vo, 1962. 21 p. (MH)

ZHEMCHUZHNIKOV, A. M. [Selected works] Izbrannye proizvedeniia. Vstup. stat'ia, podgotovka teksta i primechania E. Pokusaeva. Moskva, Sovetskii pisatel', 1963. 414 p. (Biblioteka poeta. Dolsheia seriya. 2. izd.)

ZHEREBIN, V. M. [Certain problems of machine translation from Chinese] Nekotorye voprosy mashinnogo perevoda s kitaiskogo iazyka. Moskva, In-t tekhnoi mekhaniki i vychislitel'noi tekhniki Akad. nauk SSSR, 1962. 88 p. (Elektronnye vychislitel'nye mashiny)

ZHIVOV, M. S. [Julian Tuwim; an account of his life and works] Iulian Tuwim; ocherk zhizni i tvorchestva. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 134 p. (MIDW)

12. GEOGRAPHY & GEOLOGY

ADABASHEV, I. I. [Underground ocean] Podzemnyi okean. Moskva, Geografiz, 1962. 90 p. (Narodnaya biblioteka. Priroda i chelovek)

AKADEMIA NAUK GRUZINSKOI SSR, Baku. Geologicheskii institut. [Stratigraphy of the Jurassic system; reports by Soviet geologists at the First International Colloquium on the Stratigraphy of the Jurassic System] Stratigrafiia iurskoi sistemy; doklady sovet-skikh geologov k I Mezhdunarodnomu kollokviumu po iurskoi sisteme. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 378 p.

AKADEMIA NAUK SSSR, Institut geografii. [Franz Josef Land; Meteorology] Zemlia Frantsia-losia: Meteorologiya. Moskva, (Ilg.) Materialy glatsiologicheskikh issledovaniia [With summary in English] No. 5. Markin, V. A. [Gradient observations] Gradientnye nabludeniia, 1962. 178 p.

AKADEMIA NAUK SSSR, Institut geografii. [Novaya Zemlya; Snow cover] Novaya Zemlia: Snezhnyi pokrov. Moskva, (Ilg.) Materialy glatsiologicheskikh issledovaniia [With summary in English] No. 1. Zinger, E. M. [Stationary observations at the Ledorazdel'naya and Bar'er Somnennyi Stations] Statsonarnye nabludeniia na stantsiiakh Ledorazdel'naya i Bar'er Somnennyi, 1962. 131 p. No. 2. Zinger, E. M., and others. [Field observations] Marshrutnye nabludeniia, 1962. 103 p. No. 3. Chizhov, O. P. [Snowstorm measurement observations and hydrological observations] Metelomernye i gidrologicheskie nabludeniia, 1962. 109 p.

AKADEMIA NAUK SSSR, Institut geologii rudnykh mestorozhdenii, petrografii, mineralogii i geokhimii. [Review of geological concepts and terms used in metallogeny] Obzor geologicheskikh poniatii i terminov v primenenii k metallogenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 181 p.

- AKADEMIYA NAUK SSSR. Institut gornogo dela. [Study of the physico-mechanical properties of rocks relative to problems in controlling rock pressure] Issledovanie fiziko-mekhanicheskikh svoystv gornykh porod primenitel'no k zadacham upravleniya gornym davleniem; sbornik statei. Pod red. M.M. Protod'yanova i R.I. Todorva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 192 p.
- AKADEMIYA NAUK SSSR. Laboratoriya geologii uglja. [Atlas of maps of coal deposits of the U.S.S.R.] Atlas karti uglenakopleniya na territorii SSSR. Glav. red. I.I. Gorskii. Zameshitel' glav. red. V.V. Mokruskii. Chleny red. kollegii: F.A. Bochkovskii i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 17 maps. ——— [Explanatory notes] Ob'iasnitel'naya zapiska. 527 p. [With summary in English]
- AKADEMIYA NAUK SSSR. Laboratoriya gidrogeologicheskikh problem. [Thermal waters of the U.S.S.R. and their utilization in heat and power engineering] Termal'nye vody SSSR i voprosy ikh teploenergeticheskogo ispol'zovaniya. Moskva, Izd-vo Akad. nauk SSSR, 1963. 290 p.
- AKADEMIYA NAUK URSS. Kiev. Institut zoologii. [Fossil fauna of the Ukraine and neighboring regions] Vykopn fauny Ukrainy i susednykh terytorii. Kyiv, Vyd-vo Akad. nauk URSS. No. 1. 1962. 168 p.
- AMANNHAZOV, KURBAN. [Stratigraphy and ammonites of Upper Jurassic sediments in the Tuarkyr region] Stratigrafiya i ammonity verkhnelurskikh otlozhenii Tuarkyry. Pod red. G.I. Krymgol'tsa. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 109 p. xxviii plates.
- ANDREEV, B. A., and I. G. KLUSHIN. [Geological interpretation of gravity anomalies] Geologicheskoe istolkovanie gravitatsionnykh anomalii. Leningrad, Gostoptekhizdat, 1962. 495 p.
- ANDREEV, E. G. [From Berlin to Prague; travel notes] Ot Berlina do Pragi; putevye zamechki. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 44 p.
- ANTIPINA, K. I. [Characteristics of the material culture and applied art of the southern Kirghiz; materials collected in the southern part of Osh Province in the Kirghiz S.S.R.] Osobennosti material'noi kul'tury i prikladnogo iskusstva juzhnykh kirgizov; po materialam, sobrannym v juzhnoi chasti Oshskoi oblasti Kirgizskoi SSR. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 265 p.
- ANTOSHIKO, I. A. F., and A. I. SOLOV'EV. [History of the geographic study of the earth] Istoriya geograficheskogo izucheniya Zemli; kratkii kurs. Dlia studentov geograficheskikh fakul'tetov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ. No. 1. Pod red. A. I. Solov'eva. 1962. 171 p.
- DARTENEV, I. A. [Paris] Parizh. Leningrad, Ob-vo po rasprostraneniya polit. i nauchn. znaniy RSFSR, 1962. 65 p. (Arkhitektura gorodov mira)
- BEL'KOV, I. V. [Kyanite schists of the Keyvy series; geology, crystalline schists, and kyanite ores] Kyanitovye slantsey avity kely; geologicheskoe stroenie, kristallicheskoe slantsey i kyanitovye rudy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 319 p.
- BEREZINA, M. IA., and S. I. BRUK. [Map of the peoples of Indonesia, Malaya and Philippines] Karta narodov Indonezii, Malaii, i Filipin. Moskva, Akad. nauk SSSR, 1962. 2 fol. maps. ——— [Population of Indonesia, Malaya and Philippines] Naselenie Indonezii, Malaii i Filipin. 1962. 92 p.
- BRIK, E. [Tourist trips in Estonia] Matkates mooda Eesti. Tallinn, Eesti Riiklik Kirjastus, 1960. 39 p. [Parallel texts in Estonian and Russian]
- BYKOV, V. D. [Runoff of Ural rivers; geographic and hydrologic regularities in the distribution and runoff regime of rivers in the Ural] Stok reki Urala; geografiko-gidrologicheskie zakonomernosti raspredeleniya i rezhima stoka rek na territorii Urala. Moskva, Izd-vo Mosk. univ., 1963. 142 p. maps.
- DIHRENFURTH, GÜNTER OSKAR [To the third pole; the eight thousand meter peaks of the earth. Translated from the German] K tret'emu polusu; vos'mit'sachniki zemnogo shara. Moskva, Gos. izd-vo geogr. lit-ry, 1957. 359 p. (IV)
- [FUNDAMENTALS OF PALEONTOLOGY; reference book in 15 volumes for paleontologists and geologists of the U.S.S.R.] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v piatnadsati tomakh. Glav. red. I. A. Orlov. Moskva, Izd-vo Akad. nauk SSSR. [Vol. 5.] [Cephalopod mollusks I: Nautiloidea, Endoceratoidea, Actinoceratoidea, Bactritoidea, Ammonoidea, Agoniatitida, Goniatitida, Clymenitida] Molluski - golovoglie I: nautiloidel, endotseratoidel, aktinotseratoidel, baktritoidel, ammonoidel (agoniatitly, goniatitly, klimentli) Otv. red. toma V. E. Ruzhentsev, 1962. 437 p. [Vol. 9] [Arthropoda: Tracheata, Chelicerata] Chlenistonogie: tracheinye i khel'tserovyie. Otv. red. toma B. B. Rodendorf. 1962. 559 p.
- GEOKHIMICHESKAYA KONFERENTSIYA, POSVYASHCHENNAIA STOLETIU SO DNIA ROZHDENIYA AKADEMIIKA V. I. VERNADSKOGO. Moscow, 1963. [Chemistry of the earth's crust] Khimiya zemnoi kory; trudy. Moskva, Izd-vo Akad. nauk. Vol. 1. 1963. 430 p.
- GRANIN, D. A. [Unexpected morning] Neozhidannoe utro. Moskva, Izd-vo "Sovetskii pisatel'," 1962. 129 p.
- GRODINSKI, F., and others. Pärnu. Tallinn, Eesti Riiklik Kirjastus, 1962. 7 p. illus. [In Estonian] ——— [Parallel texts in Russian, German, and English].
- GULBINSKIENE, A., and others. Kaunas, Vilnius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1962. 172 p. (III)
- IVSHIN, N. K. [Upper Cambrian trilobites of Kazakhstan] Verkhnekambriiskie trilobity Kazakhstana. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Pt. 2. [Seley horizon of the Kuyandy stage in central Kazakhstan] Seletskii gorizont kulandinskogo iarusu Tsentral'nogo Kazakhstana. 1962. 303 p.
- KALANDAROV, N., and others. [Khorezm; brief manual and guidebook] Khorezm; kratkii spravochnik-putevoditel'. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 113 p.
- KALUGINA, O. IA. [Malm-Neocomian water in the southern part of the Caspian artesian basin (western Kopet-Dag slope)] Mal'm-neokomskii vodonapornyi kompleksa Iuzhnokaspitskogo artzianskogo basseina (Zapadnokopetdagskii sklon). Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 26 p.
- KATS, D. M., and A. A. KONOPLANTSEV. [Review of the study of underground water conditions in foreign countries] Obzor izucheniya rezhima podzemnykh vod za rubezhom. Moskva, M-vo geologii i okhrany nestr SSSR, 1961. 36 p. [MICROFILM]
- KHALILOV, D. M. [Paleogene microfauna and stratigraphy of Azerbaijan] Mikrofauna i stratigrafiya paleogenovykh otlozhenii Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 325 p.
- KIEV - ODESSA [Kiev, Gos. izd-vo izobrazitel'nogo iskusstva i muzykal'noi lit-ry USSR, 1962. 1v. (chiefly illus)]
- LEONOV, G. P., and E. M. SERGEEV, eds. [Geology and engineering geology of the upper Amur Valley] Geologicheskoe stroenie i inzhenerno-geologicheskaya kharakteristika doliny Verkhnego Amura. [Moskva] Izd-vo Mosk. univ., 1962. 317 p.
- [LVOV-VOLYN' BASIN] L'viva'ko-Volyn's'kii kam'ianovuhol'nyi basen. [By] D. P. Bobrovnykh i Inshi. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 143 p.
- MIL'KOV, F. N., and N. A. GVOZDETSKII. [Physical geography of the U.S.S.R.; general survey; the European part of the U.S.S.R. and the Caucasus] Fizicheskaya geografiya SSSR; obshchii obzor: Evropeiskaya chast' SSSR, Kavkaz. Moskva, Geografiz, 1962. 475 p.
- MOSCOW, VSESOUZNYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT GIDROGEOLOGII I INZHENERNOI GEOLOGII. [Methodological handbook for making hydrogeological surveys on 1:50,000 and 1:25,000 scales] Metodicheskoe rukovodstvo po proizvodstvu gidrogeologicheskoi s'etmki v masshtabakh 1:50,000 i 1:25,000. Moskva, Gosgeoltekhizdat, 1962. 370 p.
- MUSIN, A. CH., M. T. BAKAEV, and P. I. OVSIANNIKOV. [Using the microseismic method for studying the mass of rocks] Primenenie mikroseismicheskogo metoda dlia issledovaniya massiva gornykh porod. Moskva, Gosgortekhlizdat, 1962. 61 p.
- NAKHIMZHAN, O. E., comp. [Dictionary of mineralogical terms in five languages] Piatilazychnyi slovar' mineralogicheskikh nazvani. Pod red. Sobolevskogo, V. I. Moskva, Glav. red. inostr. nauchno-tekhn. slovari Fizmatgiza, 1962. 347 p.
- [NUCLEAR GEOPHYSICS; 1961 issue] Lidersnaya geofizika; vypusk 1961 g. Moskva, Gostoptekhizdat, 1962. 229 p.
- [OSTRACODA OF PLIOCENE AND POST-PLIOCENE SEDIMENTS IN TURKMENISTAN] Osttrakody plitsenovykh i postplitsenovykh otlozhenii turkmenistana; spravochnik. [By] M. I. Mandel'shtam i dr. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 287 p. plates.
- [PEOPLE OF THE DNIPIER VALLEY] Ludzi Prydniprouia; narysy. Minsk, Dziazh, vyd-vo BSSR, Red. masava-pulit. lit-ry, 1961. 269 p.
- PETROV, V. S. [Precious and semiprecious stones] Dragotsennye i tsvelnye kamni. [Moskva] Izd-vo Mosk. univ., 1963. 134 p.
- PICHUGIN, M. S. [Lithology and the commercial evaluation of Upper Carboniferous rocks in the Okla-Klyaz'ma region] Litologiya i promyshlennaya otsenka verkhnekarnenougol'nykh porod Okako-Klyaz'minskogo raiona. Moskva, Izd-vo Akad. nauk SSSR, 1962. 125 p.
- POD'APOL'SKII, G. N. [Notable places of the Kabardino-Balkar A.S.S.R.; tourist's guide] Dostoprimechatel'nye mesta Kabardino-Balkarii; sputnik turista. Izd. 2., ispr. i dop. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 141 p.
- [PRACTICES IN FIELD STATION RESEARCH ON ALPINE SOILS; as exemplified by the Ak-Say Field Station] Ony statsionarnogo izucheniya vysokogornykh pochvy; na primere Ak-Sayskogo statsionara. [By] A. M. Mamytov i dr. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 268 p.
- ROKHILIN, M. I. [Where the tents were; a geologist's notebook] Tam, gde byli iarangi; zapiski geologa. Moskva, Sovetskaya Rossiya, 1961. 108 p. (MR)
- SERBIN, A. N. [Optimistic Africa] Optimisticheskaya Afrika. Moskva, Izd-vo "Znanie," 1962. 63 p. (Prochti, lovarishchi)
- SOVETSKAYA ANTARKTICHESKAYA EKSPEDITSIYA, 1955- [Transactions of the Soviet Antarctic Expedition] [Trudy] Leningrad, Izd-vo "Morskoi transport." Vol. 11. Gordienko, P. A., V. I. Fedotov, and V. I. Shil'nikov. [Ice cover of the coastal waters of eastern Antarctica] Ledianoi pokrov pribozhiynykh vod Vostochnoi Antarktidy. Pod red. V. Kh. Bulnitskogo. 1960. 110 p.
- [STRATIGRAPHIC DICTIONARY OF THE NORTHEASTERN U.S.S.R.] Stratigraficheskii slovar' Severo-Vostoka SSSR. Sost. M. D. El'ianov pri uchastii F. A. Mikhailovoi. [Magadan] Magadanskoe knizhnoe izd-vo, 1959. 166 p. (NCC)
- SYTIN, V. [Just a little bit of Paris; sketches] Sovsem nennogo Parizha; ocherki. Moskva, Sovetskii pisatel', 1962. 159 p.
- [TOURIST ROUTES THROUGH TAMBOV PROVINCE] Turistskie marshruty po Tambovskoe oblasti. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 142 p.
- VASHCHENKO, Z. M. [Clays of the Ukrainian S.S.R., 1860-1960; a bibliographic index of literature] Hlyny Ukrainy'kol RSR, 1860-1960 rr.; bibliografichnyi pokazhyk literatury. Kyiv, Vyd-vo Akad. nauk URSS, 1963. 197 p.
- VYSINIYAKOV, V. V., comp. [Concise geological dictionary-handbook] Korotkiiy geologichnyi slovnyk-dovidnyk. Za red. A. M. Bezuhloho. Kyiv, "Radiana" shkola, 1962. 112 p.
- ZENKOVICH, V. P. [On the frontiers of land and sea] Na rubezhakh zemli i moria; zapiski issledovatelya. Moskva, Izd-vo Akad. nauk SSSR, 1963. 218 p. (Akademiiya nauk SSSR, Nauchno-popul'naya seriya)

13. SCIENCE

- AKADEMIYA NAUK SSSR. Dmitrii Vladimirovich Skobel'syn. Vstup. stat'ia S. M. Vernova, N. A. Dobrotina i G. T. Zatselina. Bibliografiya sost. T. O. Vreden-Kobetskoj. Moskva, 1962, 49 p. (Materialy bibliografiy uchenykh SSSR. Seriya fiziki, no. 15)
- AKADEMIYA NAUK SSSR. Dal'nevostochnyy filial, Vladivostok. [Physiology of tree species in the southern Far East] Fiziologiya drevnykh porod luga Dal'nego Vostoka. Moskva, Izd-vo Akad. nauk SSSR, 1963, 83 p.
- AKADEMIYA NAUK SSSR. Institut geografi. [Complex climatology] Voprosy kompleksnoi klimatologii. Moskva, Izd-vo Akad. nauk SSSR, 1963, 204 p.
- AKADEMIYA NAUK SSSR. Institut istorii estestvoznaniya i tekhniki. [Essays on the history of mathematics and mechanics] Ocherki istorii matematiki i mekhaniki; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963, 271 p.
- AKADEMIYA NAUK SSSR. Institut prikladnoi fiziki. [Studying the boundary layer of the atmosphere from a 300-meter weather tower] Izucheniye pogranichnogo sloia atmosfery s 300-metrovoi bashni. Moskva, Izd-vo Akad. nauk SSSR, 1963, 168 p.
- AKADEMIYA NAUK SSSR. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln. Irkutsk, Moskva. (Iis: Materialy ionosfernykh issledovaniy) Jan. - Feb. 1959, 1962, 63 p.
Mar. - Apr. 1959, 1962, 56 p.
July-Aug. 1959, 1962, 67 p.
Sept. - Oct. 1959, 1962, 62 p.
Nov. - Dec. 1959, 1962, 62 p.
- [MICROFILM]
- AKADEMIYA NAVUK BSSR. Minsk. Institut biologii. [Genetics and cytology of plants] Genetika i tsitologiya rastenii. Minsk Izd-vo Akad. nauk BSSR, 1962, 121 p.
- ALEKSASHKIN, A. V. [Application of double integrals] Prilozhenie dvoynogo integrala. Lektsiya vtoraya. Pod red. F. A. Balshilina. Moskva, Gos. izd-vo "Vysshaya shkola," 1960, 26 p.
- [MICROFILM]
- ANDREEV, G. L., and L. L. MIASNEKOV. [Let's disseminate physical and mathematical knowledge among the masses] Fiziko-matematicheskie znanija v massy. Moskva, 1962, 34 p.
- [MICROFILM]
- BARADZHANIAN, G. A. [Cross-pollination of plants] Chuzherodnoe opylenie rastenii. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962, 197 p.
- BARACH, G. P. [Salmon trout of the Black Sea] Chernomorskaya kumzha (losos'-forel'). Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962, 109 p.
- BELONOSOV, S. M. [Principal plane static problems in the theory of elasticity for simply and doubly connected regions] Osnovnye ploskie staticheskie zadachi teorii uprugosti dlia odnovidnykh i dvovidnykh oblastei. Novosibirsk, Izd-vo Sibirskogo otdel'naya AN SSSR, 1962, 231 p.
- BELOZEROV, S. E. [Principal stages of the development of the general theory of analytic functions] Osnovnye etapy razvitiya obshchei teorii analiticheskikh funktsii. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1962, 311 p.
- BONDARENKO, I. P., and N. V. BUDAROVA. [Fundamentals of dosimetry and radiation protection] Osnovy dozimetrii i zashchity ot izlucheniia. Moskva, Vysshaya shkola, 1962, 297 p.
- BRENNEISEN, G. E., and N. I. SHCHERBAKOV. [Park of the "Ruzhnye Kul'tury" State Farm, a short guide] Park sovkhooza "Ruzhnye kul'tury"; kratkii pulevoditel'. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959, 60 p.
- CRISTEA, M. [Underground hydraulics. Translated from the Rumanian] Podzemnaya gidravlika. Pod red. V. A. Evdokimovoi. Moskva, Gosoptekhizdat, Vol. 1, 1961, 342 p.
- DUBNOV, I. A. S. [Measurement of segments] Izmereniye otrezkov. Pod red. I. A. Dubnova, I. M. Lagloma. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962, 90 p. (Matematicheskaya biblioteka)
- DULITSKAIA, R. A., and R. I. FEL'DMAN. [Laboratory work in physical and colloid chemistry] Praktikum po fizicheskoi i kolloidnoi khimii. Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 338 p.
- [ELECTRONICS IN NUCLEAR SPECTROMETRY] Elektronika v spektrometrii iadernykh izlucheni. [By] L. S. Gorn, I. S. Krashennikov, B. I. Khazanov. Moskva, Gosatomizdat, 1963, 291 p.
- EMANUEL, N. M., and D. G. KNORRE. [Course in chemical kinetics; homogeneous reactions] Kurs khimicheskoi kinetiki; gomogennye reaktsii. Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 413 p.
- FERDMAN, D. L. [Biochemistry] Biokhimiya. Izd. 2., perer. i dop. Moskva, Vysshaya shkola, 1962, 612 p.
- FOL'BORT, G. V. [Selected works] Izbrannye trudy. Kiev, Izd-vo Akad. nauk USSR, 1962, 454 p.
- GAKHOV, F. D. [Boundary value problems] Kraevye zadachi. Izd. 2., perer. i dop. Moskva, Fizmatgiz, 1963, 639 p.
- GEL'FOND, A. O., and I. V. LINNIK. [Elementary methods in the analytical theory of numbers] Elementarnye metody v analiticheskoi teorii chisel. Moskva, Fizmatgiz, 1962, 269 p.
- GERASIMOV, M. V. [Eucalyptus] Evkalipt. Moskva, Goslesbumizdat, 1962, 75 p.
- GLAGOLEV, N. A. [Geometry] Geometriya; uchebnik dlia 6-9 [9-10] klassov srednei shkoly. Pod red. A. A. Glagoleva. Izd. 4. perer. Moskva, Gos. uchebno-pedagog. izd-vo, 1958, 2 v.
- [NBC]
- GNEDENKO, B. V. [In the language of mathematics] Iazykom matematiki. Moskva, Izd-vo "Znanie," 1962, 28 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika i khimiya, no. 7)
- GORIAEV, M. I., and others. [Chemical composition of wormwoods] Khimicheskiy sostav polynoi. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962, 151 p.
- GRIGORENKO, R. V., comp. [Collection of popular science essays; biology, medicine] Sbornik nauchno-populjarnykh tekstov; biologiya, meditsina. Moskva, Izd-vo lit-ry na inostr. yazykakh, [n. d.] 294 p.
- GRIGOR'EV, I. G., and V. V. ZULIN. [Electrical conductivity as a means for analyzing gaseous and liquid systems] Elektroprovodnost' kak metod analiza gazovykh i zhidkikh sistem. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1961, 21 p.
- GRUSHKO, S. [Climate and weather] Klimat i pogoda. Kishinev, Kartia moldoveniaste, 1961, 85 p.
- IABLONSKI, A. A. [Theoretical mechanics course] Kurs teoreticheskoi mekhaniki. Moskva, Gos. izd-vo "Vysshaya shkola," Pt. 2. [Dynamics] Dinamika. 1962, 371 p.
- IAROSHEVSKI, A. I. A. [Endogenous stimulants of hemopoiesis (erythropoietins)] Endogennye stimulatory krovotvorenii; eritropoetiny. Moskva, Izd-vo Akad. nauk SSSR, 1963, 100 p.
- IAROTSKI, A. V. Pavel L'vovich Shilling, 1786-1837. Moskva, Izd-vo Akad. nauk SSSR, 1963, 182 p. (Akademika nauk SSSR. Nauchno-biograficheskaya seriya)
- IL'IANOV, V. A., and M. V. SOKOLOV. [UF-1 meter, a device for measuring ultraviolet irradiation] Ufimetr UF-1-pribor dlia izmereniya ul'trafioletovoi obluchennosti. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 37, No. P-57-40/1)
- INTERNATIONAL CONGRESS OF BIOCHEMISTRY. 5th. Moscow, 1961. [Intracellular respiration; phosphorylating and nonphosphorylating oxidation reactions; symposium V] Vnutrikletochnoe dykhanie; fosforilirovaniye i nefosforilirovaniye reaktsii oksidleniya; simpozium V. Moskva, Izd-vo Akad. nauk SSSR, 1962, 439 p. (Iis: Trudy)
- IOFF, N. A. [A course in the embryology of invertebrates] Kurs embriologii bespozvonochnykh. Pod red. L. V. Belousova. Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 265 p.
- IVANOV, B. N. [New physics; review of the fundamental principles of modern physics] Novaya fizika; obzor osnovnykh printsipov sovremennoi fiziki. Moskva, Izd-vo Akad. nauk SSSR, 1963, 134 p. (Akademika nauk SSSR. Nauchno-populjarnaya seriya)
- KARACHAROV, K. A., and A. G. PILIUTCH. [Introduction to the technical theory of the stability of motion] Vvedenie v tekhnicheskuiu teoriiu ustoiichivosti dvizheniya. Moskva, Fizmatgiz, 1962, 243 p.
- KITOV, A. I. [Electronic computing machines and programming] Elektronnyye tsifrovye mashiny i programmirovaniye. Moskva, Izd-vo fiziko-matem. lit-ry, 1962, 572 p. (DBC)
- KOLCHYNS'KIY, I. H. [Observatories in space] Observatorii v Kosmose. Kyiv, Vyd-vo Akad. nauk USSR, 1962, 46 p. (Akademika nauk Ukrain'skoi RSR. Seriya naukovo-populjarnoi literatury)
- KOMPANITS, P. A. [Teaching geometry in relation to arithmetic in the 1st to 6th grades] Osobennosti prepodavaniya geometrii v svyazi s arifmetiko v 1-VI klassakh. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961, 127 p.
- KONDUROV, I. A., and V. B. CHERNIAEV. [128-Channel matrix-type amplitude analyzer] 128-kanal'nyi matrichnyi amplitudnyi analizator. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41, No. P-58-40/2)
- KOROBKOV, I. A. [Mollusks of the Buchak and Kiev series of the southern Ukraine] Moluski buchakskoi i kievskoi svit Iuzhnoi Ukrainy. [Leningrad] Izd-vo Leningr. univ., 1962, 95 p.
- KRICHEVSKI, I. R. [Fundamental concepts of thermodynamics] Poniatiya i osnovy termodinamiki. Moskva, Goskhimizdat, 1962, 443 p.
- KUBILIUS, JONAS. [Probability methods in the theory of numbers] Veroiatnostnye metody v teorii chisel. 2., dop. izd. Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1962, 220 p.
- LAVROVA, N. B. [Bibliography of astronomical bibliographies] Bibliografiya astronomicheskikh bibliografiy. Moskva, Astronomicheskii sovet Akad. nauk SSSR, 1962, 109 p.
- LEVICH, V. G., and others. [Course in theoretical physics] Kurs teoreticheskoi fiziki. Moskva, Fizmatgiz, Vol. 2. [Electromagnetic processes in matter. Quantum mechanics] Elektromagnitnye protsessy v veshchestve. Kvantovaya mekhanika. Pod red. V. G. Levicha. 1962, 819 p.
- LEVINSON, I. B., and A. A. NIKITIN. [Handbook on the theoretical calculation of line intensities in atomic spectra] Rukovodstvo po teoreticheskomu vychisleniyu intensivnosti liniy v atomnykh spektrakh. [Leningrad] Izd-vo Leningr. univ., 1962, 358 p.
- LIAPIDEVSKI, V. K. [Diffusion chamber for determining slight α - and β -activities] Diffuzionnaya kamera dlia opredeleniya mal'nykh α - i β -aktivnostei. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41, No. P-58-77/3)
- LICHNEROWICZ, ANDRÉ. [Global theory of connexes and of holonomy groups. Translated from the French] Teoriya svyaznostei v tselom i gruppy golonomii. Moskva, Izd-vo inostr. lit-ry, 1960, 216 p. (CLU)
- LOEVE, M. M. [Probability theory. Translated from the English] Teoriya veroiatnostei. Pod red. I. U. V. Prokhorova. Moskva, Izd-vo inostr. lit-ry, 1952, 719 p. (RPB)
- LOMSADZE, I. M. [Theoretical introduction to the group concept in the theory of elementary particles] Teoretiko-grupповoe vvedeniye v teoriiu elementarnykh chastits. Moskva, Vysshaya shkola, 1962, 181 p.
- MATSKOV, F. P. [Plant physiology] Fiziologiya rasteniy; korotkii kurs lektsii dlia studentiv-zaochnykh agronomicheskoi i ekonomicheskoi fakul'teti sil'skokhospodars'kykh vuziv. [Kyiv] Derzhav'nospryadav USSR, No. 1. [Physiology of plant nutrition] Fiziologiya zhivleniya rasteniy. [1962] 137 p. (Lektsii i posilnyky dlia studentiv-zaochnykh sil'skokhospodars'kykh vuziv)
- MATVEEV, N. M. [Integration methods for ordinary differential equations] Metody integrirvaniya obyknovykh differentsial'nykh uravnenii. Izd. 2., perer. Moskva, Vysshaya shkola, 1963, 545 p.
- MATVEEV, N. M. [Problems and exercises in the theory of ordinary differential equations] Sbornik zadach i uprazhnenii po obyknovennym differentsial'nym uravneniyam. Izd. 2., ispr. i dop. [Moskva] Rosvuzizdat, 1962, 291 p.

- MELENT'EV, B. V. [Elements of differential geometry] Elementy differentsial'noi geometrii; metodicheskoe posobie. Khar'kov, Khar'kovskii politekhn. in-t im. V. I. Lenina, 1961. 1 v. (RPB)
- MOSCOW, UNIVERSITET. Biologo-pochvennyi fakul'tet. [Ucha and Mozhayk Reservoirs; hydrobiological and ichthyological studies] Uchinskoe i Mozhat'skoe vodokhranilishcha; gidrobiologicheskie i ikhtologicheskie issledovaniia. [Moskva] Izd-vo Mosk. univ., 1963. 422 p.
- MOVNIN, M. S., and A. B. IZRAELIT. [Technical mechanics] Tekhnicheskaya mekhanika. Leningrad, Sudpromgiz. Pt. 1. [Theoretical mechanics] Teoreticheskaya mekhanika. 1962. 355 p.
- MUSABEKOV, I. S. [Charles Adolphe Wurtz, 1817-1884] Shari' Adol'f Vurts, 1817-1884. Moskva, Izd-vo Akad. nauk SSSR, 1963. 93 p. (Akademiia nauk SSSR. Nauchno-bibliograficheskaya seriya)
- MUSABEKOV, I. S. [Justus von Liebig] Iustus Libikh, 1803-1873. Moskva, Izd-vo Akad. nauk SSSR, 1962. 213 p.
- NAUCHNAIA KONFERENTSIYA PO VOZRASTNOI MORFOLOGII, FIZIOLOGII I BIOKHIMII. 5th, 1961. [Transactions of the Fifth Scientific Conference on Age-Related Morphology, Physiology, and Biochemistry] Trudy. Pod red. A. A. Markosiana. Moskva, Izd-vo Akad. nauk RSFSR, 1962. 557 p. [MICROFILM]
- NEIMAN, V. B. [The expanding earth] Rasshiraiushchaisia Zemlia. Moskva, Gos. izd-vo geogr. lit-ry, 1952. 78 p.
- PALII, V. F. [Distribution, ecology and biology of flea beetles in the U. S. S. R.] Rasprostraneniye, ekologiya i biologiya zemlianykh blashchek fauny SSSR. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 117 p.
- PASECHNIK, M. V. [Problems in medium-energy neutron physics] Voprosy neitronnoi fiziki srednikh energii. Kiev, Izd-vo Akad. nauk USSR, 1962. 335 p.
- PIDHRUSHNYI, I. S. [I. V. Michurin's philosophy] Svi-tochad I. V. Michurina. Kyiv, Akad. nauk URSS, 1960. 211 p. (MII)
- PONOMAREV, K. K. [Derivation and solution of differential equations in technical engineering problems] Sostavleniye i resheniye differentsial'nykh uravnenii inzhenerno-tekhnicheskikh zadach; posobie dlia fiziko-matematicheskikh fakul'tetov pedagogicheskikh institutov. Moskva, Uchpedgiz, 1962. 183 p.
- PRUTENSKII, D. I., and I. I. NIKITINSKII. [Types of nut forests in southern Kirghizia] Tipy orekhovykh lesov Iuzhnoi Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 128 p.
- RACHKOV, V. K. [Marvellous crystals] Chudesnye kristally. Moskva, Voenizdat, 1962. 72 p. (Nauchno-populiarnaya biblioteka)
- [REFERENCE BOOK ON ELEMENTARY MATHEMATICS, MECHANICS, AND PHYSICS] Spravochnik po elementarnoi matematike, mekhanike i fizike. Izd. 8. Minsk, Gos. izd-vo BSSR. Redaktsiia nauchno-tekhn. lit-ry, 1962. 199 p.
- REZNIKOV, L. I. [International System of Units in a physics course of secondary schools] Mezhdunarodnaya sistema edinits v kursakh fiziki srednei shkoly. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 60 p.
- ROGINSKII, S. Z., and S. E. SHNOL'. [Isotopes in biochemistry; theoretical principles, problems, results] Izotopy v biokhimii; teoreticheskie osnovy, problematika, rezul'taty. Moskva, Izd-vo Akad. nauk SSSR, 1963. 378 p.
- ROMAKIN, M. I. [Fundamentals of linear algebra and linear programming] Elementy lineinoy algebry i lineinogo programmirovaniia. Moskva, Gos. izd-vo "Vysshiaia shkola," 1963. 277 p.
- ROMANTSEV, E. F. [Radiation and chemical protection] Radiatsiia i khimicheskaya zashchita. Moskva, Gosatomizdat, 1963. 206 p.
- RUDENKO, E. I., and P. R. TAUBE. [Fifth ocean] Platy okean. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 188 p.
- RUSIN, N. P., and L. A. FLIT. [Man changes the climate] Chelovek meniaet klimat. [Moskva] Sovetskaya Rossiia, 1962. 128 p.
- RUSSIA (1923- U. S. S. R.) Koordinatsionnaia komissia po chislennym metodam prognoza. [Papers from the Conference of the Coordinating Commission on Numerical Methods of Forecasting] Materialy soveshchaniia. Pod red. M. I. Rudina. Leningrad, Gidrometeoizdat, 1961. 133 p.
- SAKIAN, D. N. [Radioisotopes and their use in the national economy. Radioaktivnye izotopy i ikh primenenie v narodnom khoziaistve. Erevan, Armlanskoe gos. izd-vo] 1962. 85 p. [In Armenian]
- SAPARINA, E. V. [Cybernetics inside of us] Kibernetika vnutri nas. Moskva, Izd-vo "Molodaya gvardiia," 1962. 302 p.
- SELIBER, G. L., and others. [Comprehensive laboratory manual on microbiology] Bol'shoi praktikum po mikrobiologii. [By] T. V. Aristovskaiia i dr. Pod obshchego red. G. L. Selibera. Moskva, Vysshiaia shkola, 1962. 400 p.
- SHTRAUF, E. A. [Physics course for institutions of higher technical education] Kurs fiziki dlia vysshiikh tekhnicheskikh uchebnykh zavedenii. Leningrad, Sudpromgiz. Vol. 2. [Electricity and magnetism] Elektrichestvo i magnetizm. 1962. 552 p.
- SINEL'NIKOV, R. D. [Atlas of human anatomy in three volumes] Atlas anatomi cheloveka v trekh tomakh. Izd. 2., perer. i dop. Moskva, Medgiz. Vol. 1. [Study of the bones, joints, ligaments and muscles] Uchenie o kostiakh, sustavakh, svyazkakh i myshtsakh. 1963. 477 p.
- SMORODINSKII, I. A. [Geometry of the universe] Geometriia Vseennoi. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauche, tekhniko. IX Seriya: Fizika i khimii, no. 4)
- SVYRYDENKO, V. M. [Role of mathematical hypotheses in the interpretation of microphysical phenomena; materials showing the development of nonrelativistic quantum mechanics] Rol' matematicheskoi hipotezy v piznani mikrolavstviekh; na materialakh razvitiu nerelativistskoi kvantovoi mekhaniky. Kyiv, Vyd-vo AN URSS, 1962. 171 p.
- [SYNOPTIC ATLAS FOR SCHOOLS] Uchebnyi sinopticheskii atlas. Pod red. Kh. P. Pogosiiana. 3, perer. i dop. izd. Leningrad, Gidrometeoizdat, 1962. 217 fold. col. maps (in portfolio)
- I. Asinpenko, P. D. [Assignments for students] Zadaniia dlia uchashchikhsia. Pod red. Kh. P. Pogosiiana. 138 p.
- II. Asinpenko, P. D. [Methodological instructions and recommendations for teachers] Metodicheskie ukazaniia i rekomendatsii dlia prepodavatelei. Pod red. Kh. P. Pogosiiana. 73 p.
- TUMANOV, S. I. [Elementary algebra] Elementarnaya algebra; posobie dlia samooobrazovaniia. Izd. 2., dop. i ispr. Moskva, Uchpedgiz, 1962. 855 p.
- VASIUCHENKO, S. I. [Problems and exercises in chemistry] Sbornik zadach i uprazhnenii po khimii. Moskva, Vysshiaia shkola, 1963. 183 p.
- VESENNIAIA SHKOLA TEORETICHESKOE I EKSPERIMENTAL'NOI FIZIKI. 2, sessiia, Nor-Amberd, 1962. [Problems in the physics of elementary particles] Voprosy fiziki elementarnykh chastits; lektsii, prochi-taniye na 2. sessii... Pod obshchego red. A. I. Akhmaniana. Erevan, Izd-vo Akad. nauk Armlanskoi SSR, 1962.
- VINOKUROV, B. Z. [Philosophical struggle in Russian physics in the early 20th century] Filosofskaya bor'ba v russkoi fizike v nachale XX veka. Tambov, Tambovskii gos. pedagog. in-t, 1962. 54 p.
- VOL'KENSHTEN, V. S. [Problems for the general physics course] Sbornik zadach po obshchemu kursu fiziki. Izd. 3., perer. i dop. Moskva, Fizmatgiz, 1962. 455 p.
- VOLKOV, I. M. comp. and tr. [Plasma in a magnetic field and direct conversion of thermal energy to electric power. Articles translated from the English] Plasma v magnitnom pole i priamoie preobrazovanie teplovoi energii v elektricheskuiu; sbornik statei. Pod red. I. I. Dormana. Moskva, Gosatomizdat, 1962. 470 p.
- VSESOIUZNOE NAUCHNOE METEOROLOGICHESKOE SOVESHCHANIE. 1st, Leningrad, 1961. [Transactions of the All-Union Meteorological Conference] Trudy. Leningrad, Gidrometeor. izd-vo. Vol. 4. [Section on climatology] Sektsiia klimatologii. Pod red. O. A. Drozdova, E. S. Rubinshtein, 1962. 526 p.
- VSESOIUZNOE SOVESHCHANIE PO IZUCHENIIU TERMITOV SSSR I RAZRABOTKE PROTIVOTERMITNYKH MEROPRIATII. 1st, Ashkhabad, 1960. [First All-Union Conference on the Study of Termites in the U. S. S. R. and on Control Measures Against Them] [Doklady] Ashkhabad, Izd-vo Akad. nauk Turkmen-skoi SSR, 1962. 113 p.
- VSESOIUZNOE SOVESHCHANIE PO TEPLU- I MASSO-OBMENU. 1st, Minsk, 1961. [Heat and mass transfer] Teplo- i massopereenos; [doklady]. Pod obshchego red. A. V. Lykova i B. M. Smol'skogo. Minsk, Izd-vo Akad. nauk BSSR. Vol. 2. [Heat and mass transfer during phase transitions and chemical transformations] Teplo- i massopereenos pri fazovykh i khimicheskikh prevrashcheniiakh. 1962. 377 p.
- VUL, B. M., and E. L. FEINBERG, eds. [From classical to quantum physics; fundamental representations in the theory of the constitution of matter] Ot klassicheskoi fiziki k kvantovoi; osnovnye predstavleniia uchennia o stroenii materii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 69 p. (Akademiia nauk SSSR. Nauchno-populiarnaya seriya)
- ZENKEVICH, L. A. [Biology of the seas of the U. S. S. R.] Biologiya morei SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 738 p.
- ZHUKOVA, T. I. [Hours of entertaining zoology; from the experience in field work] Chasy zanimatel'noi zoologii; iz opyta raboty. Moskva, Uchpedgiz, 1962. 80 p.
- ZIGEL, F. I. U. [Young astronomer] Iunyi astronom. Moskva, Gos. izd-vo detskoi lit-ry, 1956. 224 p. (Shkol'naya biblioteka) (U)

14. MEDICINE

- AGAPOV, I. I. A., comp. [Collection of tables on gas exchange] Sbornik tablits po gazoobmenu. Moskva, Medgiz, 1963. 70 p. (DNLM)
- AKADEMIA MEDITSINSKIKH NAUK SSSR, Moscow. [Academy of Medical Sciences of the U. S. S. R. and its institutions] Akademiia meditsinskikh nauk SSSR i ee uchrezhdeniia. Moskva, 1962. 141 p. [MICROFILM]
- AKADEMIA MEDITSINSKIKH NAUK SSSR, Moscow. Institut eksperimental'noi meditsiny. [Yearbook of the Institute of Experimental Medicine] Ezhegodnik. Leningrad. Vol. 5. [For 1959] Za 1959 god. 1960. 577 p. (Ist: Trudy) (DNLM)
- AMBRUMOVA, A. G. [Course of schizophrenia according to data of late catamnesis] Techeniye shizofrenii po dannym otdalennogo katamneza. Pod red. V. M. Banskikova. Moskva, Gos. nauchno-issle. in-t psikiatrii, 1962. 216 p. (DNLM)
- AMIROV, F. F. [Plastic operations on the trachea and bronchi; experimental study] Plasticheskie operatsii na trachee i bronkhakh; eksperimental'noe issledovanie. Tashkent, Medgiz, UzSSR, 1962. 144 p. (DNLM)
- DABICHEV, S. I. [Total gastrectomy] Total'naya gastrektomiia. Moskva, Medgiz, 1963. 194 p. (DNLM)
- BERDNIKOV, V. M., and O. IE. HRYNOV. [The health resort of Feodosiya] Kurort Feodosiia. Kyiv, Derzh. vyd-vo med. lit-ry URSS, 1962. 98 p. (DNLM)
- BEZOBOCHUK, K. M., and E. I. UL'IANITSKAYA. [Therapeutic use of potable mineral waters] Lechebnoe primenenie pit'evykh mineral'nykh vod. Kiev, Gosmedizdat USSR, 1962. 83 p. (DNLM)
- BOGDANOV, I. L. [Scarlet fever as a streptococcal infection] Skarlaina kak streptokokkovaiia infektsiia. Kiev, Gosmedizdat USSR, 1962. 311 p. (DNLM)
- BOKAREV, P. I. [Friend, comrade, and brother] Drug, tovarishch i brat. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 16 p. (Besedy o moral'nom kodekse stroitelia kommunizma)
- BOROKHOV, A. I. [Clinical aspects of a chronic non-specific inflammatory and sclerotic process within the lungs] Klinika khronicheskogo nespecificeskogo voapalitel'no-skleroticheskogo protsessa v logkikh. Smolensk, Smolenskoe knizhnoe izd-vo] 1962. 258 p. (DNLM)

- BURCHINSKII, G. I. [Erythrocyte sedimentation reaction] Reaktsiia osedaniia eritrotsitov. Izd. 3., perer., ispr. i dop. Kiev, Gosmedizdat USSR, 1962. 201 p. (DNLM)
- [COURSE OF OPERATIVE SURGERY AND TOPOGRAPHICAL ANATOMY] Kurs operativnoi khirurgii i topograficheskoi anatomii. [By] G. E. Ostroverkhov, D. N. Lubotskii, I. U. M. Bomash. Moskva, Medgiz, 1963. 739 p. (DNLM)
- DASHEVSKII, A. I. [Nearsightedness] Blizorukost'. Leningrad, Medgiz, 1962. 147 p. (Biblioteka prakticheskogo vracha) (DNLM)
- DIACHENKO, S. S. [Microbiological methods of diagnosing infectious diseases] Mikrobiologicheskie metody diagnostiki infektsionnykh zabolevaniy. Kiev, Gosmedizdat USSR, 1962. 533 p. (DNLM)
- DIK, V. G. [Prevention of women's diseases and their treatment at health resorts] Preduprezhdenie zhenskikh boleznei i lechenie ikh na kurortakh. Moskva, Medgiz, 1963. 29 p. (DNLM)
- DZHUMAEV, V. K. [Antibacterial preparations in surgical purulent diseases] Antibakterial'nye preparaty pri khirurgicheskikh gnoynykh zabolevaniyakh. Tashkent, Medgiz UzSSR, 1962. 125 p. (DNLM)
- [FOR PARENTS ON THE PHYSICAL EDUCATION OF CHILDREN] Roditeli na fizicheskoy vospitanii detei. Izd. 2. [Moskva], Izd-vo "Fizkultura i sport," 1962. 270 p. (DNLM)
- FREIDKIN, I. D. [Manual for qualitative chemical analysis in intrapharmaceutical control] Posobie po kachestvennomu khimicheskomu analizu pri vnutri-aptechnom kontrole. Moskva, Medgiz, 1963. 208 p. (DNLM)
- FUTER, D. S., and E. V. PROKHOROVICH. [Tubercular meningitis in children] Tuberkuleznyy meningit u detei. Pri uchastii T. B. Shapiro, E. M. Nazarova i F. N. Grabovol. Moskva, Medgiz, 1963. 278 p. (DNLM)
- GAL'PERIN, E. A. [Clinical aspects of smallpox and vaccination reactions] Klinika ospy i privivochnykh reaktsii. Moskva, Medgiz, 1962. 157 p. (DNLM)
- GENES, S. G. [Peroral treatment of diabetes mellitus] Peroral'noe lechenie sakharnogo diabeta. Kiev, Gosmedizdat USSR, 1962. 276 p. (DNLM)
- GHIATESCU, TIBERIU. [Problems of experimental vascular and cardiac surgery] Problemy eksperimental'noi sosudistoi i serdechnoi khirurgii. [Bucharest] Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1962. 440 p. (DNLM)
- GOLOSOKVER, S. IA. [Skin and venereal diseases in children] Kozhnye i venericheskie bolezni u detei. Leningrad, Medgiz, 1963. 242 p. (DNLM)
- LAKHNICH, I. M. [X-ray diagnosis of foreign bodies] Rentgenologicheskaya diagnostika inozhnykh tel. Moskva, Medgiz, 1963. 247 p. (DNLM)
- KAMAEV, M. F. [Infected wound and its treatment] Infektirovannaya rana i ee lechenie. Moskva, Medgiz, 1962. 189 p. (DNLM)
- KHITROV, F. M. [Defects and cicatricial atresia of the pharynx, the cervical portion of the esophagus, the larynx, the trachea and the method for their removal] Defekty i rubtsyovye zarashcheniia glotki, shelnogo otdela plachhevo-da, gortani, trakhei i metodika ikh ustraneniia. Moskva, Medgiz, 1963. 214 p. (DNLM)
- KODOLA, N. A., and E. V. UDOVITSKAIA. [Clinical aspects, diagnosis and treatment of caries] Klinika, diagnostika i lechenie kariessa. Kiev, Gosmedizdat USSR, 1962. 225 p. (Biblioteka prakticheskogo vracha) (DNLM)
- KONFERENTSIYA PO VYSOKOGOR'U I KHOLODOVOI TRAVME. [Transactions of the Conference on High-Mountain Conditions and Trauma Caused by Cold] Trudy. Pod red. G. L. Frenkela i L. Sh. Zabriova. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 359 p. (DNLM)
- KORSUNSKAIA, M. I., ed. [Manual on hygiene for children and adolescents] Rukovodstvo po gigiene detei i podrostkov. Moskva, Medgiz, 1962. 349 p. (Biblioteka sanitarnogo vracha) (DNLM)
- KURASHOV, S. V. [Hospital care has reached a new stage] Bol'nichnaia pomoshch' na novom etape. Moskva, Medgiz, 78 p. (DNLM)
- LARIONOV, L. F. [Cancer can be prevented] Rak mozno predupredit'. Moskva, Izd-vo "Znanie," 1963. 85 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 4) (DNLM)
- LUKOMSKII, G. I. [Bronchoscopy in a surgical clinic] Bronkhoskopiia v khirurgicheskoi klinike. Moskva, Medgiz, 1963. 275 p. (DNLM)
- MAKHIMODOV, O. S. [Scarlet fever] Skarlattina. Tashkent, Medgiz UzSSR, 1962. 12 p. (DNLM)
- MEN'SHIKOV, F. K. [Concise training manual for dietotherapy] Kratkoie uchebnoe posobie po dietoterapii. Moskva, TSentr. in-t sovshshstvovaniia vrachei. Pt. 1-2, 1962. (DNLM)
- MOSCOW. TSENTRAL'NYI INSTITUT KURORTOLOGII I FIZIOTERAPII. [Map of the climatic structures of health resorts of the U. S. S. R.] Karta struktur klimata kurortov i lechebnykh mestnostei SSSR. Moskva, Gosgeotekhnizdat, 1962. 1 fold, map. [Explanatory brochure] Ob'iasnitel'naya zapiska. Red. G. A. Neyraev, L. A. Chubukov. 85 p. (DNLM)
- MOVCHANOVA, L. K., and E. A. USHEROVA. [Home care of patients suffering from diseases of the internal organs] Ukhod za bol'nymi na domu pri zabolevaniyakh vnutrennykh organov. 2., izd. Leningrad, Medgiz, 1963. 31 p. (DNLM)
- NOVITSKII, G. A. [The health resort of Khmel'nik and its therapeutic properties] Kurort Khmel'nika i ego lechebnye svoystva. Kiev, Gosmedizdat USSR, 1962. 111 p. (DNLM)
- OGANESIAN, L. A. [Illustrations for a history of medicine in Armenia from antiquity to the present day] Illustratsii k istorii meditsiny v Armenii s drevnykh vremen do nashikh dnei. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1958. 85 p. (CU-M)
- OSOVETSKAIA, TS. M., and K. KH. GAFUROV. [Occupational therapy and the cardiovascular system in mental illnesses with a chronic course. Trudoterapiia i serdechno-sosudistaya sistema pri psikhicheskikh zabolevaniyakh s khronicheskim techeniem. Pod red. F. F. Detengofa. Tashkent, Medgiz UzSSR, 1962. 108 p. (DNLM)
- PARPIEV, K. M. [Chronic colitis] Khronicheskie kolity. Tashkent, Medgiz, UzSSR, 1962. 22 p. (Nauchno-populiarnaya literatura) (DNLM)
- PETRISHCHEVA, P. A., ed. [Carriers of pathogens of natural focus diseases] Perenoschiki vozbuditelei prirodnoochagovykh boleznei. Moskva, Medgiz, 1962. 341 p. (DNLM)
- POPOVSKII, M. A. [Doctor Khavkin's destiny] Sud'ba doktora Khavkina. Moskva, Izd-vo vostochnoi lit-ry, 1963. 130 p. (DNLM)
- POTAPOVA, S. N. [Paronychia and onychia due to yeast; Candida infection of the nail wall and the nail body] Drozhzhevaia paronikhia i onikhia (kandidoz nogtevykh valikov i nogtevoi plastinki). Leningrad, Medgiz, 1962. 122 p. (Biblioteka prakticheskogo vracha) (DNLM)
- SAVCHENKO, N. E. [Hyposadnia and its treatment] Giposadnia i ee lechenie. Minsk, Izd-vo Akad. nauk BSSR, 1962. 281 p. (DNLM)
- SERENKO, A. F. [Epidemic outbreaks of smallpox] Zanosnye vspyski natural'noi ospy. Moskva, Medgiz, 1962. 118 p. (DNLM)
- [SEROLOGICAL METHODOLOGY OF RESEARCH IN THE DIAGNOSIS OF COMMUNICABLE DISEASES] Serologicheskie metody issledovaniia pri diagnostike infektsionnykh boleznei. Moskva, Medgiz, 1962. 370 p. (DNLM)
- [SPECIALIZED SURGERY; manual for physicians in three volumes] Chastnaia khirurgiia: rukovodstvo dlia vrachei v trekh tomakh. Pod red. A. A. Vishnevskogo i V. S. Levita. Moskva, Medgiz. Vol. 2. [Abdominal cavity and its organs, spinal cord, spine, pelvis, urogenital system. Briushnaya polost' i ee organy, spinal'nyy mozg, pozvonochnyk, taz, mocheopolovaya sistema] 1963. 717 p. (DNLM)
- TSTLANADZE, G. V. [The Tskhaltubo Health Resort and its therapeutic properties] Kurort Tskhaltubo i ego lechebnye svoystva. Tbilisi, Gos. Izd-vo "Sibchota Sakartvelo," 1962. 361 p. (DNLM)
- TSUKER, M. B. [Infectious diseases of the nervous system in children] Infektsionnye zabolevaniia nervnoi sistemy u detei. Moskva, Medgiz, 1963. 510 p. (DNLM)
- TUR, A. F., ed. [Problems of pediatrics] Problemy pediatrii. Leningrad, Medgiz, 1963. 358 p. (DNLM)
- UKRAINSKAIA RESPUBLIKANSKAIA KONFERENTSIYA UROLOGOV, POSVIASHCHENA 150-LETIU SO DNIA ROZHDENIA N. I. PIROGOVA, 1900. [Transactions of the Ukrainian Conference of Urologists devoted to the 150th anniversary of N. I. Pirogov's birth, held June 27-29, 1960] Trudy. Kiev, Gosmedizdat USSR, 1962. 386 p. (DNLM)
- VAISBLAT, S. N. [Local anesthesia for operations on the face, the jaws, and the teeth] Mestnoe obezboivanie pri operatsiyakh na litsa, chelustnykh i zubakh. Kiev, Gosmedizdat USSR, 1962. 460 p. (DNLM)
- ZENIN, A. S., and I. T. MIL'CHENKO. [Gonorrhea in women] Gonoreia zhensheiny; rukovodstvo dlia vrachei i studentov. [Kul'yshchevskoe knizhnoe izd-vo, 1962. 121 p. (DNLM)]
- ZIKEVA, V. K. [Dietotherapy in liver and biliary tract diseases] Lechebnoe pitanie pri boleznyakh pecheni i zhelchnykh putei. Moskva, Medgiz, 1963. 44 p. (DNLM)

15. AGRICULTURE

- AKADEMIA NAUK SSSR. Institut lesa i drevesshy. [Forest fires and their control] Lesnye pozhary bor'ba s nimi. Moskva, Izd-vo Akad. nauk SSSR, 1963. 162 p. (DNAL)
- AKADEMIA NAUK SSSR. Pochvennyi institut im. V. V. Dokuchaeva. [Agrochemical mapping of soils] Agrokhimicheskoe kartografirovaniye pochv. Moskva, Izd-vo Akad. nauk SSSR, 1962. 153 p. [MICROFILM]
- BAKIMUTOV, V. A., and F. G. UL'IANOV. [Mechanizing the growing of pulse crops] Mekhanizatsiia vyzdelyvaniia zernobobovykh kul'tur. Moskva, Sel'khozizdat, 1962. 141 p. (DNAL)
- BALKOV, M. N. [Durable cattle, its origin and ways for its improvement] Buriatkii krupnyy rogatyi skot, ego proiskhozhdeniye i puti uluchsheniia. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 249 p. (DNAL)
- BELOKHVOSTOV, F. I. [Master of the firebird] Khozain zhar-plitay. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 14 p. (Nashii maiaki) (DNAL)
- DELONOGOV, M. I. [Raising, training, and trying young saddle horses] Vyrashchivanie, trenirovaniye i ispytaniia verkhovogo molochniaka. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1966. 36 p. (DNAL)
- BICHEVOI, IA. V., and V. F. VRANA. [Succulent forage the year round] Sochnye korma - kruglyy god. Moskva, Sel'khozizdat, 1962. 100 p. (DNAL)
- BOTOV, T. G. [New equipment for the rearrangement of soil horizons] Noveye orudia dlia peroraspredeleniia pochvennykh gorizontov. Pod obshehei red. A. A. Dubrovskogo. Moskva, Izd-vo M-va sel'khoz. RSFSR, 1959. 26 p. (Materialy zauchnogo dokladi po taiklu "Novoe v mekhanizatsii sel'skogo khoziaistva," no. 13)

CHENKIN, A. F., and I. S. MAKAROVA. [Manual on poisonous chemicals and apparatus used in controlling plant pests, plant diseases and weeds] Spravochnik po iadokhimikatai i apparature, primeniamym v bor'be s vreditel'ami, bolezniami rastenii i sornia-kami. Moskva, Izd-vo M-va sel'. khoz. RSFSR, 1962. 192 p. (DNAL)

[CONCISE MANUAL FOR THE FRUIT GROWER] Kratki spravochnik sadovoda. [By] V. V. Brodskii i dr. 3., ispr. i dop. izd. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1962. 353 p. (DNAL)

DEVDAIRIANI, SH. G. [Row placement of fertilizers on sugar beets during sowing] Rindavoe udobrenie sakharnoi svekly pri seve. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1956. 25 p. [In Georgian] (DNAL)

[DO YOU USE THE LAND CORRECTLY?] Pravil'no li vy ispol'zuetе zemliu? [Moskva] Mosk. rabochii, 1962. 108 p. (DNAL)

DOBROLUBSKII, O. K. [Wonderful milligrams] Chudesnye milligrammy. [Moskva] Izd-vo "Molodala gvardia," 1962. 142 p. (DNAL)

DUBROVSKII, I. I. Mariia Dmitrievna Trunova. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 28 p. (Masters agitatstomno-propagandistskoi raboty)

DYRDOVS'KYI, V. U. [House plants and their care] Kimmnatni kvityi dohlid za nymy. [Kuliv] Vyd-vo Kyivs'koho univ., 1962. 51 p. (DNAL)

EESTI NSV TEADUSTE AKADEEMIA. Zootoogia ja Botaanika Instituut. [Forest management on relatively rich soils] Salmetsade majandamise kustumus. Tartu, 1962. 100 p. [In Estonian with summaries in Russian and German] (DNAL)

ELAGIN, V. D. [Truth does not die; notable discussion of scientists on soil, on its possibilities, and how to make soil produce a double crop] Istina ne umiraet; primenitel'nyi spor uchenykh o pochve, o ee vozmozhnostyakh, o tom, kak zastavit' zemliu "vdvoine rozhat"... [Moskva] Izd-vo "Molodala gvardia," 1962. 109 p.

ESENALIEV, SUINAL. [Measures for preventing wash-out within the irrigation system of a farm] Moropritiia po predotvrashcheniiu razmyva vnutrikhoziaistvennoi orositel'noi seti. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 87 p. (DNAL)

EVDOKIMOV, A. P. [Grafting and regrafting fruit trees] Privivka i pereprivivka plodovykh derev'ev. [Moskva] Izd-vo Mosk. univ., 1963. 28 p. (DNAL)

[FATTEN A HOG ON EACH HECTARE OF ARABLE LAND] Na kozhnyi hektar rili vidhoduvatъ svyniu. Kyiv, Derzhel'hoprydyv URSR, 1962. 46 p. (DNAL)

GARIN, K. S., V. D. KOVAL', and N. K. SHUL'GA. [Irrigation of corn] Orosenie kukuruzy. Moskva, Sel'khozizdat, 1962. 70 p. (DNAL)

GROSHEV, B. I. [Forest evaluation and the preparation of timber resources] Lesnaia taksatsiia i podgotovka lesosocelnogo fonda. Moskva, Goslesbumizdat, 1961. 63 p. (Biblioteka lesnika i mastersa lesa) (DNAL)

GULIAEV, G. V. [Seed production of grain crops; basic problems in variety changing and strain renovation, and growing high-yield seeds] Somenovodstvo zernovykh kul'tur; osnovnye voprosy sortosmeny, sortoonovleniia i vyrashchivaniia vysokourozhaiynykh semian. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 457 p. (DNAL)

IAROSHENKO, G. D. [Beech forests of Armenia; forest types, regeneration, cutting practices] Bukove lesa Armonii; tipy lesa, vozobnovlenie, sistemy rubok. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 177 p. (DNAL)

KHANMURZAIEV, ISA. [Corn loves care] Kukuza lubit ukhod. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1962. 25 p. (DNAL)

KIRIUKHIN, A. M. [Conveyor in harvesting] Konveier na uborkе. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no. 6)

KOLPIKOV, M. V. [Forestry] Lesovodstvo. Izd. 4., dop. i perer. Moskva, Goslesbumizdat, 1962. 400 p. (DNAL)

KOROLKOVA, G. E. [Effect of birds on the abundance of injurious insects; based on studies in wooded-steppe oak forests] Vliianie ptits na chislennost' vrednykh nasekomykh; po issledovaniam v lesostepnykh dubravakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 124 p. (DNAL)

KOROTKIKH, G. I. [Aerosols in agriculture] Aerozoli v sel'skom khoziaistve. Moskva, Vystavka dostizhenii narodnogo khoz., 1962. 11 p. (DNAL MICROFILM)

KOSTIAKOV, A. N. [Selected works] Izbrannye trudy. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1962. 2 v. (CU)

KRYLOV, G. V. [Forest resources and forest-type zones of Siberia and the Far East] Lesnye resursy i lesorastitel'noe raionirovaniie Sibiri i Dal'nego Vostoka. Otv. red. K. A. Sobolevskaiia. Novosibirsk, Izd-vo Sibirskogo ot-d-e-la AN SSSR, 1962. 230 p. (DNAL)

KUMSIEV, SH. A. [Diagnosis and treatment of diseases of the digestive organs in animals] O diagnostike i terapii zhivotnykh s zabolevaniiami organov pishchevarenia. Moskva, Izd-vo M-va sel'skogo khoziaistva RSFSR, 1962. 95 p. (DNAL)

LEBEDEVA, L. IA., and A. I. LEBEDEV. [Grapes in the Maritime Territory] Vinograd v Primorskom krae. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 157 p. (DNAL)

LEBEDIK, A. I., V. I. GALKIN, and G. I. ROGINSKII. [Work as Vladimir Svetlichnyi does] Rabotat' kak Vladimir Svetlichnyi. Kishinev, Partitnoe izd-vo TsK KP Moldavi, 1962. 46 p. (Opyt peredovikov-vsemu) (DNAL)

LENINGRAD, UNIVERSITET. [Natural conditions and agricultural problems in the Northwestern U. S. S. R.] Prirodnye uslovia i voprosy zemledeliia na Severo-Zapade SSSR. [Leningrad] 1962. 90 p. (DNAL)

LIETUVOS TSR MOKSLU AKADEMIJA, Vilna, Botanikos institutas. [Practices in controlling plant diseases, pests, and weeds] Praktikos kovos priemonas pries augalu ligas, kenkejus ir pliktzoles; stralpaniu rinkinyas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 165 p. [In Lithuanian] (DNAL)

LIPATOV, N. N. [Graphic methods of analyzing the degree of dispersion of milk fat] Graficheskie metody kharakteristiki dispersnosti zhiira molek. Moskva, Pishchepromizdat, 1962. 39 p. (DNAL)

MANUCHAROV, A. B., SH. A. RASI-ZADE, and V. E. BYSTRITSKII. [Improving the quality of animal husbandry and developing the Caucasian Brown cattle breed in Azerbaijan] Kachestvennoe uluchshenie skotovodstva i sozdanie kavkazskoi burui porody skota v Azerbaidzhane. Baku, Azerneshr, 1962. 237 p. (DNAL)

MEZIN, A. F., and M. M. PIL'KO. [Concise manual on poisonous chemicals and spraying and dusting equipment] Kratki spravochnik po iadokhimikatai i apparature. Minsk, Sel'khozgiz BSSR, 1962. 113 p. (DNAL)

MOROZOV, G. F. [Principles of forestry] O lesovodstvennykh ustolakh. Moskva, Goslesbumizdat, 1962. 22 p.

MOSKALENKO, D. M. [Five percent butterfat content in milk] Zhiirnost' molek - 5%. [Moskva] Mosk. rabochii, 1962. 28 p. (DNAL)

NAUCHNO-ISSEDOVATEL'SKII INSTITUT RYBNOGO KHOZIAISTVA. Konferentsiia molodykh spetsialistov. [Conference of Young Specialists] Trudy. Riga, Izd-vo Akad. nauk Latvinskoi SSR, 1962. 198 p.

NOSIN, V. A. [Soils of Tuva] Pochvy Tuvy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 341 p.

[OVER-ALL MECHANIZATION ON THE "GIGANT" STATE FARM] Kompleksnaia mekhanizatsiia v sov-khoze "Gigant." [By] D. D. Angel'ev i dr. Moskva, Sel'khozizdat, 1962. 171 p. (DNAL)

P'IAVCHENKO, N. I., and E. D. SADO. [Fundamentals of forest drainage] Osnovy gidrolesomelloratsii. Moskva, Goslesbumizdat, 1962. 380 p. (DNAL)

POPOV, A. V. Anatolii Tikhonovich Asotikov. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 17 p. (Masters agitatstomno-propagandistskoi raboty)

PRUTSKOVA, M. G., and O. I. UKHANOVA. [Winter wheat "Bezostaiia 1"] Oziimnaia psheeniia Bezostaiia 1. Moskva, Sel'khozizdat, 1962. 93 p. (DNAL)

SAFONOV, V. A. [The earth in flower] Zemlia v tsvetu. [Moskva] Sovetskii pisatel', 1949. 454 p. (CU)

SHAROV, I. A. [Fields quench their thirst; irrigation farming] Polia utoliat zhazhdu; oroshaemoe zemle-delle. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. V Serii: Sel'skoe khoziaistvo, no. 5)

SHCHEPOT'EV, F. L., and F. A. PAVLENKO. [Fast growing trees] Bystrorastushchie drevesyne porody. Moskva, Sel'khozizdat, 1962. 372 p. (DNAL)

SIBIRIAKOVA, M. D. [Forest types in the silvicultural regions of the European part of the U. S. S. R., with illustrations of undergrowth flora] Tipy lesa lesorastitel'nykh raionov evropeiskoi chasti SSSR s illiustratsiei podlesnoi flory. 2. izd., ispr. i dop. Moskva, Goslesbumizdat, 1962. 207 p. (DNAL)

SKATKIN, P. N. [Biological foundations of artificial fish culture; a historical outline] Biologicheskie osnovy iskusstvennogo rybarazvedeniia; istoricheskie ocherk. Moskva, Izd-vo Akad. nauk SSSR, 1962. 243 p.

SKRIPCHINSKAIIA, L. V. [Irrigation of rice] Oroszenie risa. Moskva, Sel'khozizdat, 1962. 120 p. (DNAL)

STARODUBTSEV, V. S. [Specialization and intensification of animal husbandry on collective farms in Kirghizia] Spetsializatsiia i intensifikatsiia skotovodstva v kolchozakh Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 77 p. (DNAL)

STEPANOVA, K. G. [I am proud of my occupation] Gorzhus' svoie professiei [Moskva] Mosk. rabochii, 1962. 39 p. (DNAL)

TARUSOV, V. L. [Our experience with visual propaganda] Nash opyt nagladnoi agitatsii. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 27 p. (Biblioteka kommunista)

TOMSKAIA GOSUDARSTVENNAIA SEL'SKOKHOZIAISTVENNAIA OPYTNAIA STANTSIIA. [Collection of research papers on agriculture] Sbornik nauchno-issledovatel'skikh rabot po sel'skomu khoziaistvu. Tomsk, Izd-vo Tomskogo univ., 1962. 89 p. (DNAL)

TROPIN, I. V. [Using aerosols for controlling forest pests] Primenenie aerozolei dlia bor'by s vreditel'iami lesa. Moskva, Goslesbumizdat, 1962. 85 p. (DNAL)

VASKAN, G. K. [Soil management in orchards of Moldavia] Soderzhanie pochvy v sadakh Moldavi. Kishinev, Izd-vo sel'khoz. lit-ry, 1962. 38 p.

VIDENIN, K. F. [Using growth-promoting substances in agriculture] Primenenie stimulatorov v sel'skom khoziaistve. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 38 p. (DNAL)

ZEMLIANITSKII, L. T., I. A. POLTAVSKAIA, and G. G. ZHELDAKOVA. [Preparing urban soils for land-scaping] Podgotovka gorodekikh pochvo-gruntov dlia ozeleneniia. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 70 p. (DNAL)

ZINOV'EVA, KH. G. [Azobacter and farm plants] Azobakter i sel'skokhoziaistvennye rasteniia. Kiev, Gos. izd-vo sel'khoz. lit-ry, USSR, 1962. 178 p. (DNAL)

16. TECHNOLOGY

- ABDULLAEV, A. A., and others. [Automation of gas pipelines in foreign countries] Avtomatizatsiya magistral'nykh gazoprovodov za rubezhom. Moskva, Gosstroiizdat, 1962. 109 p.
- AGAFONOV, B. S. [Calculation of the operating conditions of transmitting tubes] Raschet eksploatsatsionnykh rezhimov generatornykh lamp. Moskva, Gosenergizdat, 1962. 223 p.
- AGAREV, E. M., and L. E. MEDOVAR. [Electronic indicators for refrigerator compressors] Elektronnye indikiatory dlia kholodil'nykh kompressorov; nauchnoe soobshchenie. Moskva, Gosstroiizdat, 1962. 54 p.
- [AIRBORNE RADIO NAVIGATION APPARATUS] Radiotekhnicheskie sredstva navigatsii letatel'nykh apparatov [By] G. P. Astaf'ev i dr. Moskva, Sovetskoe radio, 1962. 962 p.
- AIZENBERG, B. L. [Efficient power supply for industrial enterprises and conditions governing the use of deep entrances] Voprosy ratsional'nogo elektroosnabzheniia promyshlennykh predpriatii i uslovia primeneniia glubokikh vvodov. Leningrad, 1962. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Energetika, no. 9)
- AIZIKOV, M. M., A. M. BAIRASHEVSKII, and V. A. POLOZHINTSEV. [Radio engineering and radio navigation devices] Radiotekhnika i radionavigatsionnye pribory. Leningrad, Izd-vo "Morskoi transport," 1962. 474 p.
- AKADEMIA KOMMUNAL'NOGO KHOZIAISTVA. Leningradskii nauchno-issledovatel'skii institut. [Album of machines, equipment, and instruments for repairing facades] Al'bom mashin, priborov i instrumentov dlia remonto-fasadnykh rabot. Moskva, 1962. 89 p.
- AKADEMIA KOMMUNAL'NOGO KHOZIAISTVA. Leningradskii nauchno-issledovatel'skii institut. [Album of standard plans (ATR-1-61) for renovating roofs under nonmetallic roofing] Al'bom tipovykh reshenii po rekonstruktsii krysh pod nemetallicheskie krovi (ATR-1-61). Moskva, 1962. 74 p.
- AKADEMIA NAUK SSSR. Institut tekhn. mekhaniki i vychislitel'noi tekhniki. [Description and instructions for operating the "S-1" stand for the impulse testing of ferrite cores] Opisanie i instruktsiia po ekspluatatsii standarta "S-1" dlia proverki ferritovykh serdetsnikov v impul'snom rezhime. 2 izd. Moskva, 1960. 37 p.
- AKADEMIA NAUK SSSR. Komitet molodykh spetsialistov na obshchestvennykh nachalakh. [Checking, controlling, and improving techniques in the production of building materials] Kontrol', regulirovanie i sovershenstvovanie tekhnologii v proizvodstve stroitel'nykh materialov. Pod red. N. V. Belova. Moskva, Gosstroiizdat, 1962. 158 p.
- AKADEMIA NAUK SSSR. Komitet nauchno-tekhnicheskoi terminologii. [Metalworking by pressure; drawing. Terminology] Obrabotka metallov davleniem; volochenie. Terminologia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 16 p. (Izbr. Sborniki rekomenduemykh terminov, no. 61)
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stva. [Instructions (U5-62) for the major repair of machinery used in construction. Ukazaniia po kapital'nomu remontu mashin, zaniatykh v stroitel'stve (U5-62).] Moskva, Gosstroiizdat, No. 1. [Requirements and general technical specifications for the major repair of machinery] Trebovaniia i obshchie tekhnicheskie uslovia po kapital'nomu remontu mashin. 1962. 14 p.
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stva. [New machines and mechanical tools for finishing work] Novye mashiny i mekhanizirovannye instrumenty dlia otdelochnykh rabot; po materialam Vsesoiuznogo nauchno-issledovatel'skogo instituta stroitel'nogo i dorozhnogo mashinostroeniia. Moskva, Gosstroiizdat, 1961. 44 p. [MICROFILM]
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut oboznanii i podzemnykh sooruzhenii. [Device for measuring average penetration per blow and its use in piling] Otkazomer i ego primeneniie na svalnykh rabotakh. Moskva, Gosstroiizdat, 1962. 74 p.
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut stroitel'noi fiziki. [Durability of enclosing and structural elements; physical bases] Dolgovечnost' ogranicheniia i stroitel'nykh konstruktsii; fizicheskie osnovy. Moskva, Gosstroiizdat, 1963. 113 p.
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut stroitel'nykh konstruktsii. [Studies of the design of shells of rod and solid elements] Issledovaniia po raschetu obolochek sterzhnevnykh i massivnykh konstruktsii. Pod red. A. R. Zhantitsyna. Moskva, Gosstroiizdat, 1963. 312 p.
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut stroitel'nykh konstruktsii. [Vibrations of buildings and structures] Kolebaniia zdani i sooruzhenii. Pod red. B. G. Koreneva. Moskva, Gosstroiizdat, 1963. 221 p.
- AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Ural'skii filial, Chelyabinsk. [Metallurgical slags and their use in construction] Metallurgicheskie shlaki i primeneniie ikh v stroitel'stve. Pod obshchei red. A. A. Marchenko. Moskva, Gosstroiizdat, 1962. 545 p.
- AKIMOV, A. V. [Advanced metal-cutting tool design] Progressivnye konstruktsii reztsov. Moskva, Mashgiz, 1962. 77 p.
- AKULOV, A. I. [Automatic welding of low-carbon steel pipe in carbon dioxide] Avtomaticheskaya svarka trub iz malouglerodistoi stali v uglekislom gase. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-48/3)
- AKULOV, A. I., and I. A. SOKOL. [Welding nonferrous metal pipelines] Svarka truboprovodov iz tsvetnykh metallov. Moskva, Gosstroiizdat, 1962. 140 p.
- ALEKSEEV, I. A. [Safety measures in the welding and cutting of metal] Tekhnika bezopasnosti pri svarke i rezke metallov. Pod obshchei red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 30 p. (Biblioteka stroitel'a po tekhnike bezopasnosti, no. 10)
- ANISIMOVA, A. S., F. M. BUDA, and A. A. KOKOREVA. [Receiving, determining the quality, and the simplest organoleptic methods for analyzing meat, fish and milk products] Priemka, opredeleniie kachestva i prosteshie organolepticheskie metody issledovaniia miasnykh, rybnykh i molochnykh tovarov. Moskva, Gosstroiizdat, 1962. 247 p.
- ANNENKOV, V. F. [Work practices of the shop of compressed wood parts at the Khartysk Pipe Plant] Opyt raboty tekhn. detalet pressovannoi dreviny pri Khartyskom trubnom zavode. Moskva, Goslesbumizdat, 1962. 46 p. (Nastolichno vnedr. peredovoi opyt v proizvodstve)
- ARANOVICH, B. I. [Contactless electromagnetic relay devices for regulating and automating industrial drives] Beskontaktnye elektromagnitnye relai nye ustroistva dlia upravleniia i avtomatizatsii promyshlennykh privodov. Leningrad, 1962. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Pribory i elementy avtomatiki, no. 12)
- ARASHKEVICH, V. M. [Methods of investigating the beneficiation properties of minerals] Metody issledovaniia obogatimosti poleznykh iskopaemykh; uchebnoe posobie. [Sverdlovsk] Sverdlovskii gornyi in-t in. V. V. Vakhursheva, 1962. 55 p. [MICROFILM]
- ARIFOV, U. A., and others. [Delinting cottonseed] Ogoenie semian khlopatnika. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 330 p.
- ARKHANGEL'SKII, G. A., K. G. LEVINOV, and V. A. IALYSHEV. [Retention of pressure in telecommunication cables] Soderzhanie kabelei svlazi pod davleniem. Moskva, Sviaz'izdat, 1962. 93 p. (Lektsii po tekhnike svlazi)
- AROBELIDZE, A. K. [Improved technology of porous chromium plating] Usovershenstvovanie tekhnologii poristogo khromirovaniia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 19 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-244/24)
- ARTAMONOV, V. M. [Electronic and automatic control on ships and in airborne radar systems] Elektroavtomatika sudovykh i samoletnykh radiolokatsionnykh stantsii. Leningrad, Sudpromgiz, 1962. 362 p.
- ARTEMENKOV, M. O. [Preparation of viscose solutions] Prihotovaniia viskoznykh rozhyniv. Kyiv, Derzhtekhvydav URSSR, 1963. 86 p.
- ASINOVSKAIA, G. A., and others. [BM-1 gas-like flux for nonferrous metal welding and brazing] Gazobraznyi filus BM-1 dlia svari i tsvetnykh metallov i tverdoi palki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-104/9)
- ATABEKOV, G. I., ed. [Theoretical principles of electrical engineering in three parts] Teoreticheskie osnovy elektrotekhniki v trekh chastiakh. Moskva, Gosenergizdat, Pt. 2. Atabekov, G. I., A. B. Timofeev, and Khukhrkov. [Nonlinear circuits] Nelineinye tsepi. 1962. 127 p.
- [AUTOMATIC CONTROL, REMOTE CONTROL, AND ELECTRIC PROTECTION SYSTEMS] Sistemy avtomaticheskogo i telemekhanicheskogo upravleniia i zashchity. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 3 v. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. Nos. P-57-1/1, P-57-12/4, P-57-59/11)
- [AUTOMATION OF FIELD PETROLEUM PROCESSING AND GAS TRANSPORTATION] Avtomatizatsiia promyslovoi podgotovki nefli i transporta gaza. [By] V. F. Aktinov i dr. Moskva, Gosstroiizdat, 1963. 166 p.
- AVEN, O. I., and others. [Contactless execution of work with single-phase asynchronous motor] Bezkontaktnyi ispolnitel'nyi mekhanizm s obodnazyvym asinkhronnym dvigatel'm. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-57-3/2)
- AYERBUKH, I. A., and K. K. BOGUSHEVSKAIA. [Chemistry and technical progress] Khimiia i tekhnicheskii progress; material k lektsii. Moskva, Izd-vo "Znanie," 1962. 41 p. (V pomoshch' lektsii)
- AZERBAIJAN. Gosudarstvennyi komitet po delam stroitel'stva i arkhitektury. [Standard district estimates for construction work, determined by local conditions of construction projects for the first and second groups of construction projects in Baku and Kirovabad and nineteen zones of the Azerbaijan SSR] Sbornik edinykh raionnykh ekonomicheskikh nastenok na stroitel'nye raboty, privlaczennykh k mestnym usloviyam stroek dlia pervoi i drugoi grupp stroek po g. Baku, Kirovabad i 19 raionov Azerbaidzhanskoi SSR. Baku, 1960. 17 p.
- BADUSHKIN, V. I., G. M. MATVEEV, and O. P. MCHEDLOV-PETROSIAN. [Thermodynamics of silicates] Termodynamika silikatov. Pod obshchei red. O. P. Mchedlova-Petrosiana. Moskva, Gosstroiizdat, 1962. 205 p.
- BAKSHEEV, S. M. [Deformability of structural carbon steel] Deformiruemost' konstruktivnoi uglerodistoi stali. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-247/13)
- BARANCHUK, E. I. [Design and adjustment of electronic controllers] Proektirovanie i nastroika elektronnykh regulatorov. Moskva, Mashgiz, 1963. 370 p.
- BARASHKOV, M. I., A. S. VOLODIN, and L. G. KULEDOV. [Safety measures in working with calendars and rubber mixers] Tekhnika bezopasnosti pri rabote na val'tsakh i rezinomesiteliakh. Moskva, Gosstroiizdat, 1962. 26 p. (Pamiatka po tekhnike bezopasnosti)
- BELEN'KII, N. G., and L. B. POLONSKAIA. [Alpha-chymotrypsin; the composition, properties and manufacture of the preparation] Alfa-khimotripsin, sostav, svoistva, primeneniie i proizvodstvo preparata. Moskva, Vses. nauchno-issl. in-t miasnoi promyshl. 1962. 68 p. [MICROFILM]
- DELIKOV, I. S., S. E. KREPS, and P. D. SUHR. [Clock and watch repairing] Remont chasov. Moskva, Gosmestpromizdat, 1962. 240 p.
- BELIANIN, B. V., and V. N. ERIKH. [Industrial analysis of petroleum products and gas] Tekhnicheskii analiz nefteproduktov i gaza. Leningrad, Gosstroiizdat, 1962. 367 p.
- BELKOV, G. M., and N. T. LITENKO. [Effect of heating conditions on the plastic properties of 9KhF steel at forging temperatures. Skid hopper for metal feed from the furnace to the forging hammer] Vliianie rezhima nagreva na plasticheskie svoistva stali 9KhF pri kovochnykh temperaturakh. Metalloprodukt ot pochi k kovochnomu molotu. [By] I. U. A. Zharavlev. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-252/14)
- BELOUSOV, A. [Organizing technical control in machinery plants] Voprosy organizatsii tekhnicheskoi kontroli na mashinostroitel'nykh zavodakh. Riga. TSentr. biuro tekhn. informatsii, 1962. 17 p. [Listok tekhnicheskoi informatsii]

- BENENSON, N. M. [Manufacture of components from electrical steel] Opyt izgotovleniya detalей iz elektro-tekhnicheskoi stali. Leningrad, 1962. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Metallovedenie i termicheskaya obrabotka, no. 9)
- BENENSON, N. M., and others. [Work practices of the spectrum analysis laboratory at the "Radist" Plant] Opyt raboty spektral'noi laboratorii zavoda "Radist." Leningrad, 1962. 10 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Kontrol' kachestva produktov, no. 8)
- BENUA, I. U., and V. M. KORSKOV. [Vessels on an air cushion] Suda na vozdukhnoi podushke. Leningrad, Sudpromgiz, 1962. 119 p.
- BENUNI, A. K., and S. A. PERVUSHIN. [Technical progress and increased labor productivity in the nonferrous metallurgy of the U. S. S. R.] Tekhnicheskii progress i povysheniye proizvoditel'nosti truda v tsvetnoi metallurgii SSSR. Moskva, Metallurgizdat, 1963. 143 p.
- BEREZOVSKII, B. I. [Some special features of construction in conditions of the Far North] Nekotorye osobennosti stroitel'stva v usloviakh Krainego Severa. Izd. 2., dop. i perer. Moskva, Gosstroizdat, 1963. 156 p.
- BERMAN, A. G., and A. S. OKUN'. [Overall mechanization and improvement of the organization of production in the "Radist" Factory] Kompleksnaya mekhanizatsiya i sovershenstvovanie organizatsii proizvodstva na zavode "Radist." Leningrad 1961. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Organizatsiya i ekonomika proizvodstva)
- BERNSTEIN, S. A., D. S. AKSEI'ROD, and M. D. SAVVINA. [New, more waterproof types of concrete with lower consumption of slag portland cement] Novyye vidy betonov povysheniye vodonepronitsaemosti s ponzheniym raskhodom shlakoportland-tsementa; informatsionnoe sobshchenie. Moskva, Gosgortekhzdat, 1962. 7 p.
- [BESM ELECTRONIC DIGITAL COMPUTER] Elektromekhanizatsiya vychislitel'noy mashiny Besm. Pod obshchei red. S. A. Lebedeva. Moskva, Fizmatgiz, Vol. 3. [Memory systems of the Besm-2 computer] Zapominalushchie ustroystva Besm-2. [By] N. I. Merkulov i dr. 1962. 286 p.
- BILASHEVSKYI, M. M., and M. H. PYVOVAR. [Design of bottom linings below low-pressure shield spillways] Rozrakhunok kriplen' dna za niz'konapirnyy stichyovnyy vodostok. Kyiv, Vyd-vo AN URSR, 1962. 61 p.
- BIRSHTEIN, M. M., and M. M. NEIMARK. [Mechanized system of mass documentation for enterprises (Soviet and foreign practices)] Mekhanizirovannoe sostavleniye massovoi dokumentatsii na predpriyatiyakh (sovetskii i zarubezhnyi opyt); obzor. Leningrad, 1962. 111 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Organizatsiya i ekonomika proizvodstva)
- BOGDANOVICH, L. B. [Hydraulic drives in machinery; diagrams and designs] Gidravlicheskie privody v mashinakh; skhemy i konstruktii. Moskva, Mashgiz, 1962. 222 p.
- BOGOIAVLENSKAYA, Z. V. [Purchase and processing of wild fruit and berries] Zakupka i pererabotka dikorastushchikh plodov i jagod. Moskva, Izd-vo Tsentrsoyuz, 1962. 82 p.
- BOGORAD, L. A., and B. G. GUTKIN. [Wear-resistant chromizing with periodic current reversal] Izosostoiko kromirovaniye pri periodicheskom izmene-nii napravleniya toka. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 23 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-245/25)
- BONDIN, I. U. N. [Handbook on accident prevention for workers preparing silicate paste at silicate plants] Pamiatka po tekhnike bezopasnosti dlia rabochikh po zagotovke silikatnoi massy na silikatnykh zavodakh. Moskva, Gosstroizdat, 1962. 10 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)
- BOROVSKII, I. B., and S. A. SKOTNEKOV. [Apparatus for the spectrum determination of gases in metals] Apparatura dlia spektral'nogo opredeleniya gazov v metallakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33. No. P-58-89/3)
- BOSHNAKOVICH, A. D. [Mechanical calculation of lines and wires for overhead power transmission lines] Mekhanicheskie raschet provodov i trasov liniy elektroperedachi. Moskva, Gosenergizdat, 1962. 253 p.
- BRAGINSKII, L. I. [Statistical control of production quality by the method of dimension fields] Statisticheski kontrol' kachestva produktov po metodu polii razmerov. Moskva, Mashgiz, 1962. 49 p. [MICROFILM]
- BRANFENBRENER, A. A. [Central wobulator for visual alignment of the IF of AM and FM channels of radio receivers] Tsentralizovannyi generator kachestva shcheta dlia vizual'noi nastroiki AM i ChM traktov promezhutochnoi chastoty radioveshchatel'nykh priemnikov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-114/15)
- BRAUN, M. P. [Effect of addition elements on the properties of steel] Vliianie legiruiushchikh elementov na svoystva stali. Kiev, Gostekhzdat URSR, 1962. 190 p.
- BRIK, S. D., and A. B. PARTSEVSKII. [Ferrous metallurgy research institutes in capitalist countries] Nauchno-issledovatel'skie uchrezhdeniya chernoi metallurgii kapitalisticheskikh stran. Moskva, Tsent. in-t informatsii chernoi metallurgii, 1962. 55 p. [MICROFILM]
- BROMBERG, A. A., and others. [Machines for road construction; road, construction, hoisting and conveying machinery, trucks and tractors] Mashiny dlia stroitel'stva dorog; dorozhnye, stroitel'nye i pod'omno-transportnye mashiny, avtomobili i traktory. [By] K. F. Abramov, A. A. Bromberg, F. P. Kataev, Pod red. A. A. Bromberga. Moskva, Mashgiz, 1962. 510 p.
- BUGLAI, B. M. [Technology of wood finishing] Tekhnologiya otdelki drevessiny. Moskva, Goslesbumizdat, 1962. 349 p.
- BUIALOV, N. I., and others. [Method for evaluating the prospective oil and gas reserves] Metodika otsenki prognozykh zapasov nefli i gaza. Leningrad, Gosoptekhzdat, 1962. 81 p.
- [BUILDING MATERIALS] Stroitel'nye materialy. [By] N. A. Dudnik i dr. Kiev, Gosstroizdat URSR, 1962. 189 p.
- [BUILDING MATERIALS IN THE PETROLEUM, PETROCHEMICAL, AND GAS INDUSTRIES] Konstruktsionnye materialy v neflianoi, neftekhimicheskoi i gazovoi promyshlennosti; spravochnoe rukovodstvo. [By] G. K. Shreiber i dr. Moskva, Gosoptekhzdat, 1962. 381 p.
- BULGAKOV, B. S. [Adopting the group method of press forging die blocks] Osvoeniye gruppovoi tekhnologii kovki shtampovykh kubikov pod pressami. Leningrad, 1962. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Goruchala i kholodnaya obrabotka metallov davleniem, no. 7)
- BURDIN, V. F. [Device for measuring step-wise changes in capacitance. Four-channel commutator with an electronic oscillograph] Izmeritel' skhoko-obraznykh izmenenii emkosti. Chetyrekhkanal'nyi kommutator k elektronnyy ostsillogramam. [By] V. V. Rudakov i G. I. Novikova. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-78/13)
- BUTEKIS, N. G., and R. P. KENGIS. [Preparation of flour-using confectionery products] Prigotovleniye mучnykh konditerskikh izdelii. Pod obshchei red. N. I. Iakovleva. Moskva, Gosstroizdat, 1963. 214 p.
- BYVSHIKH, M. D., and K. F. D'IAKONOV. [Reference book for the foreman of a lumber kiln] Posobie masteru lesosushil'nogo tsakha. Moskva, Goslesbumizdat, 1962. 121 p.
- [CHANGES IN STATE STANDARDS, 1962] Izmeneniya k gosudarstvennym standartam, 1962. Izd. ofitsial'noe. Moskva, Standartgiz. Pt. 1-2. 1962.
- CHEBOTAREV, A. S., and others. [Surveying] Geodezija. Pod obshchei red. A. S. Chebotareva. Moskva, Geodezizdat. Pt. 2. 1962. 613 p.
- CHEBOTAREVA, I. I., and N. S. SIDEL'NIKOVA. [Introducing the industrial use of electroplated coatings of tin-nickel alloys] Opyt proizvodstvennogo vnedreniya gal'vanicheskogo pokrytiya spлавom olovonikel'. Leningrad, 1962. 23 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Zashchitnye pokrytiya metallov, no. 9)
- CHELNOKOV, P. A. [Pulse programming device for the automatic control of foundry processes] Impul'snyi komandoparant dlia avtomatizatsii tekhnologicheskikh protsessov litelnogo proizvodstva. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-58-85/10)
- CHERNORUTSKII, G. S. [Electromechanical automatic control systems: Structure of automatic control systems. Transfer characteristics of electromechanical elements. Calculation of the control error] Elektromekhanicheskie sistemy avtomaticheskogo regulirovaniya: Struktura CAP. Peredatochnyye svoystva elektromekhanicheskikh elementov. Raschet oshibki regulirovaniya. Moskva, Mashgiz, 1962. 126 p.
- CHIBIZOV, G. A. [Mechanized methods of eliminating frost heave] Mekhanizirovannyye sposoby likvidatsii puchiny; opyt putiatsyev Vostochno-Sibirskoi, Ruzhno-Ural'skoi i Zapadno-Sibirskoi dorog. Moskva, Transzheldorizdat, 1963. 55 p.
- CHUCHENKO, S. P. [Reinforced concrete without thermal treatment] Zhelezobeton bez teplovoi obrabotki. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 93 p.
- CHUKO, A. V. [Artificial types of stone] Iskusstvennye kamni. [Moskva] Mosk. rabochii, 1962. 199 p.
- [CONSTITUTIONAL DIAGRAMS OF METAL SYSTEMS, published in 1959 (no. 5)] Diagrammy sostoaniya metallicheskikh sistem, opublikovannyye v 1959 godu (vypusk V) [By] Z. M. Rogachevskaya. Pod red. N. V. Ageeva. Moskva, [Proizvodstvenno-izdatel'skii kombinat VINITI] 1962. 165 p.
- [CONSTRUCTION OF INDUSTRIAL KILNS, FURNACES AND SMOKESTACKS OF HEAT RESISTANT CONCRETE] Stroitel'stvo promyshlennykh pechei i trub iz zharoostoikogo betona. [By] V. I. Bel'skii, E. S. Vasil'ev i P. I. Tol'kachov. Moskva, Gosstroizdat, 1962. 267 p.
- DAMSKII, A. I. [Electric light fixtures for dwellings and public buildings constructed on a mass-construction basis] Svetil'niki dlia zhiilykh i obshchestvennykh zdaniy massovogo stroitel'stva. Moskva, Gosstroizdat, 1962. 125 p.
- DAVIDOVSKAYA, E. A., and others. [Effect of heat treatment on the tendency of stainless steel toward intercrystalline corrosion] Vlianiye termicheskoi obrabotki na sklonost' nerzhavlyushchikh stalei k mezhkristallinoi korrozii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-15/1)
- DAVYDOV, I. B., N. F. KALINKIN, and I. N. LIASHKO. [General overhaul of a KR-450 jig-boring machine] Opyt kapital'nogo remonta koordinatno-rastochnogo stanka modelia KR-450. Leningrad, 1962. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Mekhanicheskaya obrabotka metallov, no. 28)
- DAVYDOV, N. I. [Assembly and adjustment of oxygen plants in metallurgical enterprises] Montazh i nastroyka kislorodnykh ustanovok metallurgicheskikh predpriyatii. Moskva, Metallurgizdat, 1963. 247 p.
- DEGTIAREV, A. P., and A. K. REISH. [Scraper work] Skrapernyye raboty. Moskva, Gosstroizdat, 1962. 222 p.
- DEMIANTSEVICH, V. P. [Metallurgical and technological principles of arc welding] Metallurgicheskie i tekhnologicheskie osnovy dugovoi svarki. Moskva, Mashgiz, 1962. 295 p.
- DENISENKO, V. V. [Using wooden sliding-friction parts in machinery] Primeneniye v mashinakh drevesyannykh detalей skozhnykh treniya. Moskva, Goslesbumizdat, 1962. 87 p.
- DERETSKII, I. U. A. [Automatic control of electric resistance furnaces in a direct heating system] Avtomaticheskoe regulirovaniye elektricheskikh pechei soprotivleniya priamogo nagreva. Moskva, Metallurgizdat, 1963. 126 p.

- [DETERMINING THE ECONOMIC EFFICIENCY OF NEW MACHINERY IN THE COMMUNICATION SYSTEM] *Opređenje ekonomske efektivnosti nove tehnike u kablovskoj svlaži; informatsionni sbornik.* Moskva, Sviaz'izdat, 1962, 174 p. (Ekonomika svlaži)
- DIOMIDOVSKII, D. A., and others. [Calculation of pyrometallurgical processes and furnaces for nonferrous metallurgy] *Raschety piroprotsessov i pechei tsvetnoi metallurgii.* Pod nauchnoi red. D. A. Diomidovskogo. Moskva, Metallurgizdat, 1963, 459 p.
- DMITREVSII, V. I. [Hydromechanics] *Gidromekhanika.* Moskva, Izd-vo "Morskoi transport," 1962, 295 p.
- DMITROVICH, A. M. [Preparatory and fitting bench-work] *Zagotovitel'nye i prigonochnye slesarnye raboty.* Minsk, Gos. izd-vo BSSR. Redaktsiia proizvodstvennoi lit-ry, 1962, 163 p. (Biblioteka stesariia, no. 2)
- DOBRONIEVS'KII, O. V., and V. O. SAVANCHUK. [High-speed electronic digital computers] *Shvydkodituchi elektronni tsyfrovii obchyslival'ni mashiny; posbnyk dlia vchyteliv.* Kyiv, Radians'ka shkola, 1962, 203 p. (Biblioteka vchytelii matematiky)
- DOBOVOL'SKII, G. N. [Concise handbook for the painter] *Kratkii spravochnik mallara-al'freishchika.* Kiev, Gosstroizdat, 1962, 292 p.
- D'OMIN, A. I., and I. P. PYLYPENKO. [Classes in fitting and repairing; tractor repair] *Uroki z slusarnoremonnoi spravy; remont traktora.* Za red. K. I. Shvetsova. Kyiv, Radians'ka shkola, 1962, 74 p.
- DOROGUCHINSKII, A. Z., and others. [Oil gases in the Chechen-Ingush and other economic regions of the Northern Caucasus] *Neftianye gazy Checheno-Ingushskogo i drugih ekonomicheskikh raiionov Severnogo Kavkaza.* [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1960, 259 p. [MICROFILM]
- DORSKII, G. M. [Pulse amplitude memorizing device] *Zapomnitatei amplitud impul'sov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 38, No. P-57-45/3)
- [DRIVER'S BOOKLET] *Pamiatka shofera.* Moskva [Izd-vo M-va kommun. khoz. RSFSR, 1962, 15 p.
- DUBROVSKII, A. P., and S. A. TSUKERMAN. [Laboratory press for hot compaction. Vacuum dilatometer for the study of metal powder sintering processes] *Laboratornyi press dlia gorachego pressovaniia. Vakuunnyi dilatometr dlia izucheniiia protsessa spekaniiia metallicheskh poroshkov.* [By] I. I. Kornilov i R. S. Mints. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 4, No. M-58-64/1)
- DUDKIN, V. A. [Investigating by means of radioactive tracers the formation of chemical heterogeneity in the axial zone of an ingot during the crystallization of killed steel] *Issledovanie protsessov obrazovaniia khimicheskoi neodnorodnosti osevoi zony silika pri kristallizatsii spokoioi stali metodom radioaktivnykh indikatorov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 23, No. M-58-110/2)
- DZHAGATSPANIAN, R. V., and others. [Application of radioisotopes to the control of chemical processes] *Primenenie radioaktivnykh izotopov dlia kontrolla khimicheskikh protsessov.* Moskva, Goskhimizdat, 1963, 343 p.
- [EKA; encyclopedia of measurements, control and automation] *EKA; entsiklopedia izmerenii kontrolla i avtomatizatsii.* Moskva, Gosenergoizdat, No. 1, 1962, 243 p.
- EFREMOV, G. D. [Working coal seams at great depths] *Razrabotka vol'nykh plastov na bol'shikh glublinakh.* Kiev, Gostekhnizdat USSR, 1962, 143 p.
- [ELECTRICAL METHODS OF METAL MACHINING; abstracts] *Elektricheskie sposoby obrabotki metallov; referativnyi sbornik.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8, No. M-58-460/1)
- [ELECTRON-HOLE JUNCTIONS IN SEMICONDUCTORS] *Elektronno-dyrochnye perekhody v poluprovodnikakh.* Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962, 320 p.
- ELFIMOV, V. V. [Drilling deep holes in EI-866 (VZh-98) and EI-894 nickel-base heat-resistant alloys] *Sverlenie glubokikh otverstii v zharoprochnykh splavakh na nikel'voi osnove marok EI-866 (VZh-98) i EI-894.* Leningrad, 1962, 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Mekhanicheskaya obrabotka materialov, no. 5)
- [ENDOGENIC DISPERSION HALOS OF SOME HYDROTHERMAL DEPOSITS] *Endogennye oreoly rasslaniiia nekotorykh gidrotermal'nykh mestorozhdenii.* [By] E. M. Ianishevskii i dr. Moskva, Gosgeoltekhizdat, 1963, 121 p.
- EREMENKO, A. S., and others. [Stand for investigating aerodynamic processes in rotating models of turbine stages] *Stand dlia issledovaniia aerodinamicheskikh protsessov vo vrashchatsushchikhslia modeliaakh stupeni turbini.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 8 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34, No. P-58-48/5)
- ERMOKHIN, G. I., and L. S. FILATOV. [Small-scale mechanization in agriculture] *Malala mekhanizatsiia v sel'skom khoziaistve.* Moskva, Sel'khozizdat, 1962, 132 p.
- EROFEEV, N. I. [Gantry cranes] *Portal'nye krany.* Moskva, Morskoi transport, 1962, 561 p.
- ETINGOF, M. I. [ET-4-55 strain-measuring amplifier. KT-1 quartz tachometer] *Tenzometricheskii usilitel' (tipa ET-4-55. Kvaritsevii takhometr KT-1.* [By] G. L. Luidin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31, No. P-58-29/5)
- EVILEVICH, A. Z. [Calculation and design of sediment pipelines] *Raschet i proektirovanie iloprovodov.* 2, perer. i dop. izd. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962, 113 p.
- EVSTROPOV, N. A., and I. V. KOLOBOV. [Some problems in short-delay blasting] *Nekotorye voprosy korotkozamedlenogo vzryvaniia.* Moskva, Gosgortekhnizdat, 1962, 99 p.
- FABRIKOVA, E. A. [Flame photometry in the determination of alkali metals in silicate rocks and minerals] *Plamennofotometricheskoe opredelenie shchelochnykh metallov v silikatnykh porodakh i mineralakh.* Moskva, 1960, 20 p. (Akademiia nauk SSSR, Institut mineralogii geokhimii i kristalloghimii redkikh elementov. Metodicheskie materialy, no. 3)
- FAKTOROVYCH, B. SH. [Manufacture and finishing of viscose rayon] *Otrobka viskoznoho shovku.* Kyiv, Derzhtekhvydav, URSS, 1962, 54 p.
- FASTOVSKII, I. A. [AP-28 interference analyzer] *Analizator pomekh AP-28.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36, No. P-58-101/14)
- FASTOVSKII, I. A., and I. M. FURMANOV. [Specialized radio interference measuring devices] *Spetsial'nye izmeriteli radiopomekh.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 45 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36, No. P-58-21/6)
- FEDOROV, V. H. [Viscose rayon spinning] *Priadnuta viskoznoho shovku.* Kyiv, Derzhtekhvydav URSS, 1962, 76 p.
- FEDOT'EV, N. P., and others. [Electrolytic alloys] *Elektroliticheskie splavy.* Pod red. N. P. Fedot'eva. Moskva, Mashgiz, 1962, 311 p.
- FEDOT'EV, N. P., V. A. IL'IN, and I. N. CHERNOZATONSKAIA. [Electrodeposition of silver from solutions of cyanide-free complex salts] *Elektroosazhdenie serebra iz rastvorov netsianistnykh kompleksnykh solei.* Leningrad, 1962, 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Zashchitnye pokrytiia, no. 8)
- FEFELOV, N. A. [Rapid turning of heat-treated chromium-nickel steel] *Skorostnoe tochenie termootobrannoi khromonikel'voi stali.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10, No. M-58-74/12)
- [FORGING, DROP FORGING, PERIODIC ROLLING, AND THE EXTRUSION OF METALS] *Kovka, gorachaiia shtampovka, periodicheskaiia kovka i pressovanie metallov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, Nos. 1-3, 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, Nos. M-58-13/1, M-58-14/2, M-58-144/6)
- FRIDLIANDER, I. N., and E. I. KUTAITSEVA. [High strength V95 aluminum alloy; system aluminum - magnesium - zinc - copper] *Vysokoprochnyi aluminievyy splav V95; sistemy aliumini - magnii - tsink - med'. Moskva, In-t tekhniko-ekon. informatsii, 1958, 61 p. (Informatsiia o nauchno-issledovatel'skikh rabotakh, Tema 6, No. I-56-34)*
- GALABUTSKII, P. G., and A. A. GERASIMENKO. [Methods of investigation and the chemical and technological control of beet-sugar production] *Metody issledovaniia i khimiko-tekhnologicheskii kontrol' sveklosakharnogo proizvodstva.* Pod red. P. V. Golovina. Kiev, Izd-vo Akad. nauk USSR, 1962, 355 p.
- GANETSKII, M. G. [Over three continents] *Cherch tri kontinenta.* [Kishinev] Karla moldovenaska, 1961, 125 p.
- GAPEEV, V. N. [Problems of accident prevention in winter construction and assembly] *Voprosy tekhniki bezopasnosti pri proizvodstve stroitel'no-montaznykh rabot v zimnee vremia.* Pod obshchei red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962, 14 p. (Biblioteka stroitelia po tekhnike bezopasnosti, no. 8)
- GARO, trust, Moscow. [Garage and repair equipment; catalog-handbook] *Garazhnoe i remontnoe oborudovanie; katalog-spravochnik.* Moskva, Avtotransizdat, 1962, 278 p.
- GAVERILUK, A. M. [Anticorrosion coatings and materials for tropical climate conditions] *Antikorroziionnye pokrytiia i materialy dlia uslovii tropicheskogo klimata.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 7 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13, No. M-58-178-20)
- GEIMAN, A. A. [Hoisting and conveying systems in the woodpulp, paper, and woodworking industries] *Gruzopod'emnye i transportnyia ustroistva v selulozno-bumazhnoi i derevoobrabatывающей promyshlennosti.* Moskva, Goslesbunizdat, 1962, 448 p.
- GEL'TS, V. E. [Plastic materials and ion exchange resins, their production and industrial applications; general concept of polymeric materials and their classification. Lecture No. 1 (introduction)] *Plasticheskie massy i ionoobmennye smoly, ikh proizvodstvo i primeneniie v promyshlennosti; obshchie poniatie o polimernykh materialakh i ikh klassifikatsiia.* Lektsiia No. 1. (vvedenie). Kiev, 1962, 38 p. (Kievskii dom nauchno-tekhnicheskoi propagandy. Zashchitnye pokrytiia) [MICROFILM]
- GENRITSY, E. G. [Maintenance and repair of metal bridges] *Soderzhanie i tekhnicheskii remont metallicheskh mostov.* Moskva, Avtotransizdat, 1963, 35 p. (V pomoshch' rabochemu-mostoviku)
- [GEOLOGY OF KRIVOIY ROG IRON-ORE DEPOSITS] *Geologiya Krivorozhskikh zhelezorudnykh mestorozhdenii.* Kiev, Izd-vo Akad. nauk USSR, Vol. 1. [General problems in the geology of the Krivoy Rog Basin. Geology and iron ores of the deposits of the "Ingulets", "Rakhmanovo", and "Il'ich Mines" Obshchie voprosy geologii Krivbasaa. Geologicheskoe stroenie i zheleznye rudy mestorozhdenii rudnikov "Ingulets", "Rakhmanovskogo i Im. Il'icha, 1962, 478 p.
- GERASHCHENKO, O. A., and V. G. FEDOROV. [Heat flow transducers] *Datchiki teplovogo potoka.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1950, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31, No. P-58-80/8)
- GERBERG, A. A., and A. S. OSIPOV. [Construction of airports] *Stroitel'stvo aerodromov.* Moskva, Avtotransizdat, 1962, 330 p.
- GIENKO, A. V. [Millions of rubles from grams of raw material] *Milliony rublei iz grammov syr'ia.* [Moskva] Mosk. rabochii, 1962, 37 p. (Novatoryi semliatki)
- GLIZMANENKO, D. L., ed. [Flame metalworking processes] *Gazoplazmennaiia obrabotka metallov.* [By] G. A. Asinovskaiia i dr. Moskva, Proftekhizdat, 1962, 556 p.
- GOLDENBERG, L. M., ed. [Digital differential analyzer] *Tsifrovii differentsiial'nyi analizator; informatsionnyi sbornik.* Moskva, Sviaz'izdat, 1962, 109 p. (Tekhnika sviazi)
- GOLDSSTEIN, M. E. [Electrodeposition of nickel-phosphorus alloys] *Elektroliticheskoe osazhdenie splava nikel - fosfor.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13, No. M-58-132/14)

- GOLEV, K. V. [Calculation of the operating range of radar stations] Raschet dal'nosti deystviya radiolokatsionnykh stantsii. Moskva, Sovetskoe radio, 1962. 204 p.
- GOLOVKIN, N. A., and G. B. CHIZHOV. [Refrigeration technology for food products] Khlozdil'naya tekhnologiya pishchevyykh produktov. 2., dop. i perer. izd. Moskva, Gosstorgizdat, 1963. 240 p.
- GOLOVNEVA, M. A., and A. P. ATROSHENKO. [Equipment and technology of drop forging] Oborudovanie i tekhnologiya gorlachey shtampovki. Moskva, Mashgiz, 1962. 388 p.
- GONCHARSKII, L. A. [Electronic acceleration transducers] Elektronnyye datchiki uskoreniya. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-60/10)
- GONSKII, G. V. [Eccentric load limiting device. High-speed d.c. electromagnet] Eksentricheskoye ograni-chitel' gruzopod'emnosti. Bystrodeistvuyushchii elektromagnit postoiannogo toka. [By] A. I. Blumin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 28. No. T-57-16/6)
- GORANSKII, G. K. [Theory of the automation of engineering work; using algorithms in designing machine tools] K teorii avtomatizatsii inzhenernogo truda; algorit-mizatsiya proektirovaniya metalloobrabatnykh stan-kov. Minsk, Izd-vo Akad. nauk BSSR, 1962. 214 p. [MICROFILM]
- GORDENKO, P. L., and others. [Laboratory equipment for measuring friction force moments in the supports of apparatus. Device for testing the impact hardness of ice in field conditions] Laboratornaya ustroynka dlia izmereniya momentov sil treniya v oporakh pribor-ov. Ustroystvo dlia ispytaniya udarnoi tverdsti l'da v polovykh ustroystvakh. [By] Kh. N. Demont'ov. Mos- skva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i pro- izvodstvennyi opyt. Tema 32. No. P-58-33/0)
- GORIACHEVA, I. A. [Assembly of bathrooms for large- panel apartment houses in Leningrad] Opyt montazha sanitarno-tekhnicheskikh kabin krupnopanel'nykh zhilykh domov v Leningrade. Leningrad, 1961. 25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen periodovym opytom. Seriya: Stroitel'naya promyshlennost', no. 25)
- GORULEV, O. K. [Design of pneumatic measuring devices] Konstruktsii pnevmaticheskikh izmeritel'nykh ustroystv. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 10 p. (Peredovoi nauchno- tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-203/15)
- GOSIN, N. IA. [Over-all mechanization in seasonal brick plants] Kompleksnaya mekhanizatsiya na sezonnykh kirpichnykh zavodakh. Moskva, Gosmest- promizdat, 1962. 110 p.
- GRIBANOV, N. N. [Manufacture and use of paperboard boxes] Proizvodstvo i primeneniye kartonnykh iskhodnykh; iz opyta leningradskoi promyshlennosti. Leningrad, 1962. 44 p. (Leningradskii dom nauchno- tekhnicheskoi propagandy. Seriya: Tura i upakovka)
- GRIBNIKOV, S. M. [Designing road systems] Proektirovanie setei avtomobil'nykh dorog. Kiev, Gostekhzid- dat USSR, 1962. 110 p.
- GRIN'KO, R. I., and I. L. ROZOVSKII. [Theory and practice of major straightening work on the Dnieper] Teoriya i opyt kapital'nykh vypravitel'nykh rabot na Dnepre. Pod red. A. B. Tolmacheva. Kiev, Izd-vo Akad. nauk USSR, 1962. 128 p.
- GRISHANIN, K. V. [Hydraulics] Gidravlika. Izd. 2., perer. Leningrad, Izd-vo "Rechnoi transport," 1962. 268 p.
- GRISHIN, V. K., and others. [Properties of lithium] Svoystva litia. Moskva, Metallurgizdat, 1963. 115 p.
- GUDZENKO, I. P., and N. V. FIRSOV. [Machines for raising and harvesting potatoes] Mashiny dlia vozde-lyvaniia i uborki kartofelia. Moskva, Mashgiz, 1962. 269 p.
- GULIAEV, V. I. [Automation of the mechanical manufac- ture of wooden boards and panels based on the modernization of present equipment] Avtomatizatsiya mekhanicheskoi obrabotki stolarnykh plit i shchitov na baze modernizatsii deistvuyushchego oborudovaniia. Moskva, Tsentri. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatnyushchei promyshli, 1962. 94 p. [MICROFILM]
- GURARII, M. G., and S. S. IOFE, comps. [English-Russian dictionary on plastics] Anglo-russkii slovar' po plastmassam. Pod red. L. M. Pesina. Moskva, Glav. red. inostr. nauchno-tekhn. slovarai Fizmatgiza, 1963. 144 p.
- [HANDBOOK FOR CONSTRUCTION LABORATORIES] Spravochnik dlia stroitel'nykh laboratorii. Pod red. B. K. Kravtsova. Kiev, Gosstroizdat, 1962. 821 p.
- [HANDBOOK FOR RURAL ELECTRICIANS] Spravochnik sel'skogo elekromontera. [Stavropol'] Stavropol'skoe kolhoznoe izd-vo, 1962. 151 p.
- [HANDBOOK ON REFINING OIL SHALES] Spravochnik po pererabotke goruchikh slantsev. [By] M. M. Barshechevskii, E. S. Bezmozgin, R. N. Shapiro. Leningrad, Gostoptekhzidat, 1963. 238 p.
- [HEAT AND CHEMICAL HEAT TREATMENT OF FERROUS AND NONFERROUS METALS] Termiche- skaya i khimiko-termicheskaya obrabotka chernykh i tsvetnykh metallov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos. 1, 3-4. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. Nos. M-58-10/1, M-58-264/10, M-58-308/15.)
- HIRIN, I. M. [Wooden elements] Derev'iani konstruktai. Kyiv, Derzhbudvydav URSSR, 1962. 237 p.
- [HYDRAULIC AND PNEUMATIC TRANSPORTATION IN MINING ENTERPRISES] Gidravlicheskie i pnevmati- cheskie transport na gornykh predpriyatiakh. [By] A. O. Spivakovskii i dr. Moskva, Gosgortekhzidat, 1962. 250 p.
- IAKOVLEV, V. A. [Induction heating with a commercial frequency current of aluminum and magnesium alloy ingots] Induktsionnyi nagrev tokom promyshlennoi chastoty slitkov iz aluminievyykh i magniievyykh splavov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. No. M-58-44/3)
- IATSKIKH, V. G., V. I. KUTOVOI, and I. G. SHAPIRO. [Coal sizing and ways for improving it during the operation of mining machinery] Soroznost' ugla pri rabote vyemochnykh mashin i puti ee uluchsheniia. Moskva, Gosgortekhzidat, 1962. 101 p.
- IGONIN, L. A., and E. E. GLUKHIOV. [DVF-3 Multipur- pose machine for testing the mechanical properties of plastic materials] Universal'naya mashina DVF-3 dlia ispytaniia mekhanicheskikh svoystv plastmass. Moskva, Filial Vses. in-ta nauchn. i tekhn. informa- tsii, 1958. 11 p. (Priboiy i standy. Tema 2. No. P-58-518)
- [INDEX OF INSTRUCTIONS, METHODOICAL DIRECTIONS AND REGULATIONS ON THE INSPECTION OF MEASURES AND MEASURING INSTRUMENTS UP TO JANUARY 1, 1962] Ukazaniia i instruktsii, metodiche- skikh ukazaniia i pravil po poverke mer i izmeritel'- nykh priborov; po sostoiianiu na 1/1 1962 g. Izd. ofi- tsial'noe. Moskva, Standartgiz, 1962. 82 p.
- INTERNATIONAL CONFERENCE ON LARGE ELECTRIC SYSTEMS. 10th, Paris, 1960. [High voltage power transmission lines; translations of the reports of the International Conference on Large Electric Systems (CIGRE), 1960] Linii elektroperedachi vysokogo napriazheniia; perevody dokladov Mezhdunarodnoi konferentsii po elektricheskim sistemam (CIGRE) 1960 g. Pod red. V. V. Burgedoria. Moskva, Gosenergoizdat, 1962. 310 p.
- IOGENSEN, A. A. [800 timer-calibrator] Sekundomer- kalibrator tipa 800. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Perdovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-34/6)
- IONOV, L. P., V. P. GORLYSHKOV, and F. A. LIUTALI- BEKOV. [Rural buildings that can be assembled in a few hours] Sel'skie postroiki, sobiraemye za neskol'ko chasov. Moskva, Gosstroizdat, 1962. 78 p. (V pomoshch' sel'skomu stroitelstvu)
- ISAEV, A. I., and N. A. MOROZOV. [Effect of methods and conditions of metal finishing on the operational properties of gas-turbine blade alloys] Vliianie meto- da i rezhima chistovoi obrabotki na ekspluatatsionnye kachestva gazoturbinnykh lopatochnykh splavov. Mos- skva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-127-21)
- ISAEV, A. I., and O. M. KIRILLOVA. [Investigating the cutting properties of cutting tools with TSM-332 ceramic metal tips] Issledovanie rezhushchikh svoystv reztsov s mineralokeramicheskimi plastinkami TSM-332. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 17 p. (Peredovoi nauchno- tekhnicheskii i proizvodstvennyi opyt. Tema 11. No. M-57-88/3)
- ISAEV, A. I., and V. E. KOIRE. [Finishing of large surfaces instead of scraping] Chistovoe frezerovanie bol'shikh ploskostei vmesto shabreniia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 29 p. (Peredovoi nauchno-tekhnicheskii i proizvod- stvennyi opyt. Tema 10. No. M-58-231/37)
- ISLAMOVI, KH. B., and B. M. GORODNICHEV. [Handbook on construction on the surface of coal mines] Spra- vochnik po stroitel'stvu poverkhnosti ugol'nykh shakht. Moskva, Gosgortekhzidat, 1962. 299 p.
- ISLIENT'EV, P. A. [Thickening agents and adhesives made of specially prepared macromolecular com- pounds] Zagushchalushchie i kleishchie materialy iz spetsial'no podgotovlennykh vysokomolekuliarnykh soedinenii. Moskva, Izd-vo nauchno-tekhn. lit-ry, RSFSR, 1960. 58 p. [MICROFILM]
- IVANIUKOV, D. V. [Developing and introducing new tech- nical methods and equipment; work experience of a petroleum refinery] Razrabotka i vnedrenie novoi tekhniki; opyt neftepererabatyvushchego zavoda. Pod red. A. N. Planovskogo. Moskva, Gostoptekhzid- dat, 1962. 195 p.
- IVANOV, A. I. [Machines and apparatus for the mechanical testing of wood and wooden materials] Mashiny i pribory dlia mekhanicheskikh ispytaniia drevessiny i drevessnykh materialov. Moskva, Gosles- bumizdat, 1962. 108 p.
- IVANOV, O. S., ed. [Structure and properties of uranium, thorium, and zirconium alloys] Stroenie i svoystva splavov urana, toria i tsirkonia. Moskva, Gosatomizdat, 1963. 378 p.
- JARKOVSKY, EDUARD. [Fundamentals of practical calculations of diaphragms, metering nozzles, and venturi tubes. Translated from the Czech] Osnovy prakticheskikh raschetov diafragm, merinykh sopel i trub venturi. Izd. 2., perer. i dop. Pod red. O. V. Lyzhina. Moskva, Mashgiz, 1962. 314 p.
- KAFAROV, V. V. [Fundamentals of mass transfer; the systems: gas - liquid, vapor - liquid, and liquid - liquid] Osnovy massoperechachi; sistemy gaz- zhidkost', par - zhidkost', zhidkost' - zhidkost'. Moskva, Vysshaya shkola, 1962. 654 p.
- KALININA, V. F., and A. D. ROMANOV. [Design of the elements for wafers mechanisms and devices] Kon- struirovaniye i raschety elementov chasovykh mekha- nizmov i priborov. Penza, T'Sentr. biuro tekhn. informatsii sovnarkhoza, 1960. 167 p. [MICROFILM]
- KALITA, N. IA. [Establishing work norms in the meat and dairy industries] Tekhnicheskoe normirovaniye truda v miasnoi i molochnoi promyshlennosti. Mo- skva, Pishchepromizdat, 1962. 294 p.
- KALNINS, ARVIDS. [Preservation of wood] Konservirovanie drevessiny. Moskva, Goslesbumizdat, 1962. 143 p.
- KALUGIN, V. F., and others. [Technology of ingot forging and the continuous rolling of large-size, commercially pure, VT1D titanium sheet. Over-all mechanization of the loading and unloading of ingots from holding furnaces] Tekhnologiya kovki slitkov i nepreryvnoi prokalki krupnogatarnogo lista iz tekhnicheskoi chistogo titana VT1D. Kompleksnaya mekhanizatsiya proizessov zagruzki i vygruzki zagotovok iz melodicheskoi pechi. [By] A. I. Ogurtsov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informa- tsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-22/3)
- [KALUSSITE, A NEW POTASSIUM FERTILIZER] Kalushyt - nove kalina dobrovo. [By] G. P. Alekseev i inshi. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 133 p.
- KAPITSYNA, O. L., and N. I. EGOROVA. [Standardization of shirt pairs; experience of the "Krasnaya Rabotnitsa" Clothing Factory in Leningrad] Unifikatsiya detalei verkhnykh sorochek; opyt raboty leningradskoi shveinoi fabрики "Krasnaya rabotnitsa." Leningrad, 1962. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen periodovym opytom. Seriya: Shveinalia promyshlennost', no. 4)
- KARABAN, G. L. [Snow removal machines] Snegoubo- rochnye mashiny. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 122 p.
- KARANDEEV, K. B., and others. [Universal a. c. bridge] Universal'nyi most peremennogo toka. Mo- skva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35. No. P-58-46/7)

- KARASEV, V. K., and V. F. SHAN'GINA. [Analyzing fabric cutting by series] Analiz serijnogo raskroia tkanei; iz opyta raboty sveinykh fabrik. Leningrad, 1962. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Shveitskaia promyshlennost', no. 2)
- KARATAEV, A. F. [Determination of types of variations in the ventilation systems for coal mines] Opredelenie tipovykh variantov sistem provetrivaniia ugol'nykh shakht. Moskva, Gosgortekhzdat, 1962. 97 p.
- KARRA, V. IA. [Performance of chromium-plating steel baths with passivation linings and cathodic protection. Molybdenum coating of aluminum and its alloys] Rabota stal'nykh khromovykh vann s pribleneniem passivirovaniia i katodnoi zashchity. Mollbdenirovanie aluminia i ego splavov. [By] A. S. Minin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-265/28)
- KARTEEV, S. S. [Universal device for checking hobbing cutters. Height gauge for measuring the depth of thread of thread rings] Universal'nyi pribor dlia kontrolya chervlachnykh frez. Vysotomer dlia izmereniia vysoty profilia rez'by u rez'bovykh kolets. [By] S. I. Shapiro. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-156/6)
- KASUM-ZADE, N. G. [Corrosion-resistant steels for the petrochemical industry] Korrozionnostoikiie stali dlia promyshlennosti neftekhimicheskogo sinteza. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 207 p.
- KAZAKOV, N. F. [Changes in the hardness of cutting-tool materials and of parts being machined under the effect of heating] Izmenenie tverdsti materialov rezhushchego instrumenta i obrabatyvayemykh detalei pri nagreve. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 25 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 20. No. M-57-129/7)
- KAZENNOV, I. I., and A. V. NOSOV. [Welding of nickel-silicon alloys] Svarka nikelkreministogo splava. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-385/28)
- KEILIS-BOROK, V. I., I. L. NERSESOV, and A. M. IAGLOM. [Methods of evaluating the economic effect of earthquakeproof construction] Metodika otsenki ekonomicheskogo efekta seismostoiikogo stroitel'stva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 45 p.
- KHALIZEV, G. F. [Electric drive and its control principles] Elektropriivod i osnovy upravleniia. Moskva, Gosenergoizdat, 1962. 383 p.
- KHARITONOV, N. P. [Heat moisture, and electric insulation coatings on a basis of organosilicon polymers and their use] Termovlagoelektrouzoliatsonnye pokrytiia na osnove kremneorganicheskikh polimerov i ikh primenenie; stenogramma lektsii. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961. 36 p.
- KHASDAN, S. M. [Recent developments in the equipment of sawmills] Novoe v oborudovanii lesopil'nykh zavodov. Moskva, Goslesbumizdat, 1962. 84 p.
- KHATSKELEVICH, V. A. [Calculation of the operation of a plate modulated oscillator using new types of electron tubes] Raschet rezhimov generatara pri anodnoi modulatsii na novykh lampakh. Moskva, Gosenergoizdat, 1962. 169 p.
- KHIDEKELI, A. V. [It was invented in Kiev] Adresa vynakhodu - Kyiv. [Kyiv] Kyivs'ke oblasne knyzhkovno-gazetne vyd-vo, 1962. 58 p.
- KHMUSHIN, F. F. [Alloying, heat treatment and properties of heat-resistant steels and alloys] Legirovaniie, termicheskaiia obrabotka i svoiatva zharoprochnykh stalei i splavov. Moskva, Oborongiz, 1962. 335 p.
- KHOTYMCHENKO, M. M. [Technical progress, organization of production and labor in the coal industry of the Ukrainian S. S. R.] Tekhnichnyi progres, organizatsiia vyrobnytstva i pratsi u vuhil'ni promyslovosti URSR. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 141 p.
- KHRAPOV, M. N., and S. A. LAPUSHKIN. [Locomotive tests on the line] Opytne poezdki s lokomotivami. Moskva, Transzheldorizdat, 1963. 183 p.
- KISELEV, O. M. [Organization of technical information in the design bureaus of industrial enterprises] Organizatsiia tekhnicheskoi informatsii v konstruktorskikh biuro promyshlennykh predpriatii. Leningrad, 1962. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)
- KLIACHKO, V. A., and I. E. APEL'TSIN. [Preparation of water for industrial and municipal water supply] Podgotovka vody dlia promyshlennogo i gorodskogo vodosnabzheniia. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1962. 818 p.
- KNAPP, K. K. [New gas equipment serving communal and home needs] Novoe kommunal'no-bytovoe gazovoe oborudovanie. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 66 p.
- KOL'NER, S. V. [Deburring gear wheels] Zachistka zausentsev zubchatykh kolets. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 19 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-84/15)
- KORDONSKAIA, R. B., and R. P. PAVLOV. [Ultrasonic testing of large cylindrical forgings with various metallurgical defects] Ul'trazvukovoi kontrol' krupnykh tsilindricheskikh pokovok s razlichnymi metallurgicheskimi porokami. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-182/8)
- KORITSKII, I. V. [Electrical engineering material] Elektrotekhnicheskie materialy. Moskva, Gosenergoizdat, 1962. 366 p.
- KOROBENIKOV, I. N., and G. O. LUTRIKH. [Mechanization and automation practices in factories engaged in assembling television receivers with printed circuit components] Zavodskoi opyt mekhanizatsii i avtomatizatsii protsessov montazha i sborki televizorov na pechatnykh platakh. Leningrad, 1962. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Pribory i elementy avtomatiki, no. 16)
- KOROLEV, V. M., and V. M. STEPANOV. [Precision casting of shaped parts] Fazonnoe lit'e po vyplavlennym modellam. Moskva, Oborongiz, 1962. 157 p.
- KORYTNYI, D. M. [Mechanization and automation of machining on lathes] Mekhanizatsiia i avtomatizatsiia rabot na tokarnykh stankakh. Moskva, Proftekhizdat, 1962. 151 p.
- KOSOLAPOV, G. F. [Roentgenography] Rentgenografiia. Moskva, Vysshiaia shkola, 1962. 331 p.
- KOSTIKOV, L. M. [A house comes off the production line] Dom s konveiera. Moskva, Izd-vo "Sovetskaiia Rossiia," 1962. 91 p.
- KOTOV, G. M. [Fire hazards and fire-prevention measures in oil fields] Pozharnaia opasnost' i protivopozharnye meropriiatia na neftepromyslakh. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 81 p.
- KOZLOV, K. IA. [Ways to improve labor productivity in the assembly of reinforced-concrete elements of multi-story industrial buildings] Puti povysheniia proizvoditel'nosti truda na montazhe zhelezobetonnykh konstruktsei mnogoetazhnykh proizvodstvennykh zdani; iz opyta stroek Leningradskoi oblasti. Leningrad, 1962. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'skaia promyshlennost', no. 25)
- KRASNOIARSKII, V. V., and A. K. LARIONOV. [Underground corrosion of metals and ways to control it] Podzemnaia korroziiia metalliv i metody bor'by s nei. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 215 p.
- KRIUCHKOVA, L. A. [Wrapping and packaging of vacuum and transistor devices] Tara i upakovka elektrovakuumnykh i poluprovodnikovyykh priborov. Leningrad, 1962. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Tara i upakovka)
- KRIVITSKII, B. KH. [Automatic systems in radio apparatus] Avtomaticheskie sistemy radiotekhnicheskikh ustroistv. Moskva, Gosenergoizdat, 1962. 664 p.
- KUBLANOVSKII, IA. S., and M. M. SARIBAN. [Klystron generator. UIP-4K impulse device for determining the uniformity of the characteristic impedance of a coaxial cable] Klystronnyi generator. Impul'snyi pribor UIP-4k dlia opredeleniia odnorodnosti volnovogo soprotivleniia koaksial'nogo kabela. [By] G. V. Dem'ianchenko. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-36/9)
- KUCHMA, L. K. [Rigidity of large boring machines] Zhestkost' krupnykh rastochnykh stankov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 89 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-11/4)
- KUDRIAVTSEV, N. T., and others. [Zinc plating with an ammoniate electrolyte and the phosphating of zinc coatings] TSinkovanie v ammiakalnom elektrolite i fosfatirovanie tsinkovykh pokrytii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-63/6)
- KUDRIAVTSEV, S. I. [The value of a minute] TSina khvyliny. Kyiv, Vyd-vo TsK LKSMU "Motod", 1962. 41 p.
- KUPTSOV, P. A. [Hotel operation and equipment] Eksploatatsiia i oborudovanie gostinits. Izd. 3., perer. i dop. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 146 p.
- KUTEINIKOV, F. F. [Paper stock and rag resources for the manufacture of paper and cardboard] Resursy makulatury i triup'ia dlia proizvodstva bumagi i kartona. Moskva, Goslesbumizdat, 1962. 136 p.
- KUVSHINSKII, V. V. [Fundamentals of the automation of technological processes in the machinery industry] Osnovy avtomatizatsii tekhnologicheskikh protsessov v mashinostroeni. Moskva, Mashgiz, 1962. 258 p.
- LAIUS, L. A. [Impact-tension tester of hard polymers. Polarization unit for optical investigation of stresses] Koper dlia ispytaniia tverdykh polimerov na udarnoe rastiazhenie. Polarizatsionnaia ustanovka dlia issledovaniia napriazhenii opticheskimi metodami. [By] B. M. Zuev i S. G. Stepanov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32. No. P-58-13/5)
- LAKUNIN, N. D. [Power supply system of the MN-8 analog computer] Sistema pitaniia elektromodelliruyushchei ustanovki MN-8. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 25 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40. No. P-58-106/4)
- LALENKOV, I. S. [Two-channel TIS-4 tensiometer] Dvukhkanal'nyi tenzometricheskii izmeritel' TIS-4. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-106/11)
- LANTSOV, V. A., and R. N. ULANOV. [Hitched construction cranes] Prifaznye stroitel'nye krany. Leningrad, 1961. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'skaia promyshlennost', no. 23)
- LAPIN, P. I. [Organizing the preparation for use and operation of instruments at sawmills] Organizatsiia instrumental'nogo khoziaistva na lesopil'nykh zavodakh. Moskva, Goslesbumizdat, 1962. 163 p.
- [LARGE-SCALE PRODUCTION AT ENTERPRISES OF THE BUILDING MATERIALS INDUSTRY AND THE CONSTRUCTION INDUSTRY] Proizvodstvenno-massovaiia rabota na predpriatiiakh stroitel'nykh materialov i stroitell'stva. [Moskva] Profizdat, 1962. 106 p.
- LEBEDEV, G. A. [Apparatus for testing the characteristics of polymer samples under tensile stress] Ustanovka dlia issledovaniia kharakteristik polimernykh obraztsov pri rastiazhenii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 7 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32. No. P-58-61/10)
- LEBEDEV, P. D. [Calculation and design of drying systems] Raschet i proektirovanie sushil'nykh ustanovok. Moskva, Gosenergoizdat, 1963. 319 p.
- LEITES, L. S. [Television broadcasting technology] Tekhnika televizionnogo veshchaniia. Moskva, Sviaz'izdat, 1963. 495 p.
- LEMLEKH, I. M., and V. A. GORDIN. [High temperature preheating of air in ferrous metallurgy] Vysokotemperaturnyi nagrev vozdukhia v chernoi metallurgii. Moskva, Metallurgizdat, 1963. 352 p.
- LENOV, N. N., and G. M. GRIAZNOV. [Electronic differential analyzer] Elektronnyi differentsial'nyi analizator. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 61 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40. No. P-58-43/2)

- LITVAK, I. M. [Technology and technicochemical control of beet sugar manufacture] Tekhnologiya i tekhnicheskii kontrol' svezkosakharnogo proizvodstva, Moskva, Pishchepromizdat, 1962, 447 p.
- LITVIN, I. S. [Precast reinforced-concrete elements of thermal electric plants] Sbornye zhelezobetonnye konstruktivnye teplovyykh elektrostantsii, Moskva, Gosenergoizdat, 1962, 202 p.
- LITVINOV, P. P. [New designs for pile foundations in the construction of residential and public buildings] Noveye konstruktivnye svaynykh fundamentov v zhilishchno-grazhdanskoy stroitel'stve; stenogramma lekttsii, Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961, 37 p.
- LIVSHITS, E. M., and A. G. TSAR'KOV. [Universal stereophotogrammetric unit] Universal'naya stereofotogrammetricheskaya ustanovka, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 37. No. P-56-19/2)
- LIVSHITS, L. S., and L. P. BAKHRAKH. [Welding of EI578 and EI579 steel structures] Svarka konstruktivnykh iz stali EI578 i EI579, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 9 p. (Peredovoi nauchno-tekhn. i proizvodstvennyi opyt. Tema 12. No. M-58-281/24)
- LOMANOV, F. M. [Production and organization structure of machinery plants] Proizvodstvennaya i organizatsionnaya struktura mashinostroitel'nykh predpriyatiy, Moskva, Mashgiz, 1962, 97 p.
- LOSADIO, G. S., and N. V. SEMENOV. [Means for easing the starting of motor-vehicle carburetor engines at low temperatures] Sposoby oblegcheniya puskavtomobil'nykh karburatornykh dvigatelykh pri nizkikh temperaturakh, Izd. 2., perer. i dop. Moskva, Avtoizdat, 1962, 31 p.
- LURE, I. U., and A. I. RYBNIKOVA. [Chemical analysis of industrial waste waters] Khimicheskii analiz proizvodstvennykh stochnykh vod, Izd. 2., perer. i dop. Moskva, Goskhimizdat, 1963, 251 p.
- LUR'E, L. Z. [New methods for bottling lumber] Noveye metody tortirovki pilomaterialov, Moskva, Goslesbumizdat, 1962, 32 p.
- [MACHINERY DESIGNER'S HANDBOOK] Spravochnik konstruktora-mashinostroyitel'nykh, [By] V. I. Anur'ov, F. F. Kalashnikov, I. M. Maslennikov, Izd. 2., perer. i dop. Moskva, Mashgiz, 1962, 687 p.
- MAKAROVICH, M. F., and M. A. SITNIKOV. [Pre-fabricated foundations of buildings] Industrialnye fundamenty zdaniy, Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1962, 303 p.
- MAKEEV, I. M. [Improved design of steel pouring ladles] Usovshenstvovanie konstruktivnykh stalozlivochnykh koval, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 1. No. M-58-263/5)
- [MAKING PRODUCTS BY POWDER METALLURGY METHODS] Izgotovlenie izdeliy metodami poroshkovoy metallurgii, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, No. 1, 1958, 26 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 4. No. M-58-187/2)
- MAKSIMOV, A. E. [Principles of electric drives] Osnovy elektropriivoda, Leningrad, Leningr. Gornyi in-t im. G. V. Plekhanova, Pt. 1, [Mechanical characteristics of d.c. machines] Mekhanicheskiye svoystva mashin postolannogo toka; konspekt lekttsii dlya studentov elektromekhanicheskoy spetsial'nosti gornykh VUZ'ov, 1962, 173 p. [Diagrams and tables] Risunki i tablitsy, 73 p.
- MAKSIMOV, V. F. [Fundamentals of safety and fire prevention engineering in the woodpulp and paper industry] Osnovy tekhniki bezopasnosti i protivopozharnoy tekhniki v tselululozno-bumazhnoy promyshlennosti, Moskva, Goslesbumizdat, 1962, 604 p.
- MALEVANSKII, V. D. [Gassers and means for controlling them] Otkrytye gazovye fontany i bor'ba s nimi, Moskva, Gostoptekhzdat, 1963, 210 p.
- MAUSHEKOVA, A. F., and K. F. DRUZHININ. [Layout selection and calculation of trucks for railroad stations in open-pit mines] Vybór skhem i raschet putevogo razvitiya zheleznodoroznykh stantsii na kar'erakh, Moskva, Gosgortekhzdat, 1962, 38 p.
- [MANUFACTURE OF VEGETABLE TANNING EXTRACTS] Proizvodstvo rastitel'nykh dubil'nykh ekstraktov. [By] M. I. Mezheninov, M. N. Krasukhin, B. A. Egorov, Moskva, Rostekhzdat, 1962, 201 p.
- MANVELIAN, M. G., and others. [Glass manufacture in electric furnaces] Elektrosvarka stekla, Erevan, Arman'skoe gos. izd-vo, 1962, 221 p.
- MASLIKOV, V. A. [Technological equipment for the production of vegetable oils] Tekhnologicheskoe oborudovanie proizvodstva rastitel'nykh masel, Moskva, Pishchepromizdat, 1962, 428 p.
- [MECHANICAL ENGINEER'S HANDBOOK; in six volumes] Spravochnik mashinostroyitel'nykh, v shesti tomakh. Izd. 3., ispr. i dop. Moskva, Mashgiz, Vol. 4, Book 2. Pod red. N. S. Acherkhan, pp. 450-931.
- MERCHANSKII, D. P. [Gear cutting] Zuboreznoye delo, Moskva, Mashgiz, 1962, 211 p.
- MERL, WILHELM. [Theory and practical applications of electrical contacts. Translated from the German] Elektricheskiy kontakt; teoriya i primeneniye na praktike, Pod red. I. E. Dekabrun, Moskva, Gosenergoizdat, 1962, 70 p. (Biblioteka po avtomatike, no. 51)
- MERSON, I. A., and others. [Photopyrometry for the determination of surface temperature fields] Fotopirometricheskoye opredeleniye polet temperatur poverkhnostey, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 21 p. (Peredovoi nauchno-tekhn. i proizvodstvennyi opyt. Tema 34. No. P-58-91/11)
- [METAL-CUTTING TOOLS, ABRASIVES, TOOL SHARPENING, AND THE ORGANIZATION OF THE TOOL SHOP] Rezhushchie instrumenty, abrazivy, zatchochnyye raboty i organizatsiya instrumental'nogo khozaystva, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 4 v. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 11. Nos. M-57-45/2, M-57-117/6, M-57-145/8, M-57-184/10)
- METUZALEM, E. V., and E. A. RYMANOV. ["Zaria", "Zaria-2", "Sputnik", and "Volkhov" television receivers] Televizory "Zaria", "Zaria-2", "Sputnik", "Volkhov", Moskva, Gosenergoizdat, 1962, 87 p. (Massovaya radiobiblioteka, no. 458)
- MIKHAELIAN, A. L. [Theory and applications of ferrites at super-high frequencies] Teoriya i primeneniye ferritov na sverkhvysokikh chastotakh, Moskva, Gosenergoizdat, 1963, 682 p.
- MIKHAILOVA, P. K. [Methods for the structural metallographic analysis of hard alloys] Metodika strukturnogo metallograficheskogo analiza tverdykh spлавov, Pod red. K. P. Imshennika, Moskva, Mashgiz, 1962, 38 p.
- MIKULINSKII, A. S. [Vacuum electric furnaces for the production of alkali metals and alkaline earth metals] Vakuunnye elektricheskiye pechi dlya polucheniya shchelochnykh i shchelochnozemel'nykh metallov, Moskva, Gosenergoizdat, 1962, 96 p. (Biblioteka elektrotermista, no. 14)
- MIL'CHENKO, I. S. [Fundamentals of the design of knitting machines] Osnovy proektirovaniya trikotazhnykh mashin, Moskva, Rostekhzdat, 1962, 225 p.
- MILLER, G. R. [Automatic and remote control in the electric power distribution systems of industrial enterprises] Avtomatizatsiya i telemekhanizatsiya v sistemakh elektroosnabzheniya promyshlennykh predpriyatiy; obzor, Leningrad, 1962, 66 p. (Leningradskii dom nauchno-tekhnicheskoy propagandy. Seriya: Energetika)
- MIL'NER, B. Z. [Improving the organization of industrial transportation] Sovershenstvovanie organizatsii promyshlennogo transporta, Moskva, Ekonomizdat, 1963, 183 p.
- MITASOV, E. T., and V. B. ALEKSEEV. [Mining operations in building the Solgorsk Potash Comblne] Gornyye raboty na stroitel'stve Solgorskogo kalitnogo kombinata; informatsionnoe sobescheniye, Moskva, Gosgortekhzdat, 1962, 10 p.
- MITEL'MAN, B. I. [Handbook on hydraulic calculations in drilling] Spravochnik po gidravlicheskim raschetam v burenii, Gostoptekhzdat, 1963, 252 p.
- MITROFANOV, S. I. [Studying the beneficiation properties of minerals] Issledovanie poleznykh iskopayemykh na obogatimost', Izd. 3., perer. i dop. Moskva, Gosgortekhzdat, 1962, 679 p.
- MITROFANOV, S. P., and N. G. GUTNER. [Turret lathes and their efficient use] Revolv'nyye stanki i ikh ratsional'noe ispol'zovanie, Moskva, Mashgiz, 1962, 349 p.
- MIZERI, A. A. [Use of metallic ceramics and capillary lubrication in the repair and modernization of textile machinery] Primeneniye metallokeramiki i kapillarnoi smazki pri remonte i modernizatsii tekstil'nogo oborudovaniya, Moskva, Rostekhzdat, 1962, 99 p.
- MODIN, N. A., and V. D. LIUBOSLAVSKII. [Boring holes and culling sockets in wood] Sverlenie otverstiy i frezirovaniye gnezd v drevesine, Moskva, Goslesbumizdat, 1962, 131 p.
- MOISEEV, S. N. [Rock and earth, rock-fill and dry masonry dams] Plotiny kamemno-zemlyanye, nabrosnye i iz sukhoy kladki, Moskva, Gosenergoizdat, 1962, 175 p.
- MOLIAVKO, V. V. [Consolidation of the preparatory and cutting shops; experience of the "Pervomayskaya" Clothing Factory in Leningrad] Ob'edineniye podgotovitel'nogo i razkretnogo tsekhov; opyt leningradskoy shveynoi fabрики "Pervomayskaya", Leningrad, 1962, 18 p. (Leningradskii dom nauchno-tekhnicheskoy propagandy. Obmen peredovymi opytom, Seriya: Shveynaya promyshlennost', no. 3)
- MORGUN, V. N. [Diesel-engine mechanic] Slesar'-dizelist, Izd. 2., dop. Moskva, Voenizdat, 1963, 559 p.
- MOROZOV, S. I., and F. A. PAVLOV. [Modern methods of building winter logging roads] Sovremennyye metody stroitel'stva zimnykh lesovoznykh dorog, Moskva, Goslesbumizdat, 1962, 88 p. (Nastoiichivo vnedriat' peredovoi opyt v proizvodstvo)
- MOSCOW, INSTITUT MEZHIDUNARODNYKH OTNOSHENII. [Laboratory manual for the study of marketing] Laboratornyi praktikum po tovarovedeniyu, Moskva, No. 4. Pisarev, N. S. [Grain examination] Issledovanie zerna, Pod red. L. N. Lhubarskogo, 1962, 87 p.
- MOSCOW, INSTITUT NARODNOGO KHOZAYSTVA. [Using ultrasonic techniques for the formation of emulsions; practical work in physics] Polucheniye emul'sii pri pomoshchi ul'trazvuka; praktikum po fizike, Pod red. Shushpanova, P. I. Moskva, No. 28, 1962, 17 p. [MICROFILM]
- MOSCOW, TSENTRAL'NAYA NAUCHNO-TEKHNIЧЕСКАЯ БИБЛИОТЕКА PISHCHEVOY PROMYSHLENNOSTI. [Application of ultrasonic waves in the food industry; an annotated bibliographic index of domestic and foreign literature for the study of marketing] Primeneniye ul'trazvuka v pishchevoy promyshlennosti; annotirovannyy bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury za 1950-1961 gg. Moskva, 1962, 27 p. [MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIЧЕСКОЙ ИНФОРМАЦИИ PISHCHEVOY PROMYSHLENNOSTI. [Catalog-handbook; paper, paperboard, woodpulp, paper products] Katalog-spravochnik; bumaga, karton, tselluloza, izdeliya iz bumagi, Moskva, 1962, 285 p. [MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIЧЕСКОЙ ИНФОРМАЦИИ PISHCHEVOY PROMYSHLENNOSTI. [Gas-burner systems in the bakery and confectionery industries] Gazogorelchnye ustroystva v khlebopekarnoi i konditerskoy promyshlennosti, Moskva, 1962, 29 p. [MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIЧЕСКОЙ ИНФОРМАЦИИ PISHCHEVOY PROMYSHLENNOSTI. [Oiler-make extractor unit and experience with its operation] Ekstraktsionnaya ustanovka Ole i opyt ee ekspluatatsii, Moskva, 1962, 60 p. (Tekhnicheskaya informatsiya)
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIЧЕСКОЙ ИНФОРМАЦИИ PISHCHEVOY PROMYSHLENNOSTI. [Over-all mechanization and continuous production-line methods in the tobacco industry] Kompleksnaya mekhanizatsiya i potochnyye metody proizvodstva v tabachnoy promyshlennosti, Moskva, 1962, 33 p. (Tekhnicheskaya informatsiya) [MICROFILM]

- MOSCOW. TSENTRAL'NYI INSTITUT TEKHNIČESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANIÍ PO LESNOI, BUMAZHNOI I DEREVOOBRABATYVAUSHCHEI PROMYSHLENNOSTI. [Automation of woodpulp and paper production] Avtomatizatsiia tseliuloznobumazhnogo proizvodstva; sbornik statei. Moskva, 1962, 47 p. (Bumaga i tseliuloza) [MICROFILM]
- MOSCOW. VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MINERAL'NOGO SYR'IA. [Industry's requirements as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Izd. 2., perer. Moskva, Gosgeoltekhizdat, No. 24. Zverev, L. V., and G. I. Kontorovich, [Manganese] Marganets. Nauchn. red. G. B. Chernyshev, 1960, 57 p.
- MOSCOW. VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MINERAL'NOGO SYR'IA. [Industry's requirements as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gosgeoltekhizdat, No. 54. Potapenko, S. V., and A. A. Velkher, [Clays and kaolin] Gliny i kaolin. Nauchn. red. A. A. Velkher. Izd. 2., perer. 1962, 94 p.
- MOSCOW. VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNOOROZHNOGO TRANSPORTA. [Aluminum alloys for rolling stock] Aluminievyie splavy dlia podvizhnogo sostava. Pod red. S. G. Vedenkina. Moskva, Transzheldorizdat, 1962, 41 p.
- MOSCOW. VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTRUMENTAL'NYI INSTITUT. [Investigation of imported fitter's and assembly tools] Issledovanie importnogo stesarno-montazhnogo instrumenta. Pod red. V. P. Pribylova. Moskva, 1962, 50 p. [MICROFILM]
- [MOSCOW - Leningrad - MURMANSK; railroad guide] Moskva - Leningrad - Murmansk; zheleznodorozhnyi putevoditel'. Moskva, Transzheldorizdat, 1962, 190 p.
- MOSKOVSKII DOM NAUCHNO-TEKHNIČESKOI PROPAGANDY IMENI F. E. DZERZHINSKOGO. [Finishing work in completely precast construction] "Otdelochnye raboty v polnosbornom stroitel'stve"; materialy seminarov. Moskva, No. 2, 1962, 53 p. [MICROFILM]
- MOTSUS, I. B. [System for determining the characteristics of an electric arc and measuring the parameters of compressed air in the air-quenching chambers of air switches. Stand for studying voltage distribution in the gaps of an arc-type rectifier] Ustanovka dlia opredeleniia elektricheskikh kharakteristik dugi i izmereniia parametrov potoka szhatogo vozdukh v gasil'nykh kamerakh vozdukhnykh vykluchatelei. Stand dlia issledovaniia raspredeleniia napriazheniia mezhdu promezhutkami dugovogo ventilia. [By] A. S. Filaretova. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35, No. P-57-31/3)
- MOZNIKER, R. A. [Loading-cycle counter. Three-component device for measuring cutting-force constituents up to 10 tons] Schetchik tsiklov nagruzheniia. Trekhkomponentnyi pribor dlia izmereniia sostavliaiushchikh sil rezaniia do 10 t. [By] L. F. Neishtadt. Moskva, in-t tekhniko-ekon. informatsii, 1956, 13 p. (Priboiry i standy. Tema 2, No. P-56-462)
- MURAV'EV, A. A., and V. N. CHERTETSOV. [New form for promoting and introducing the work of innovators] Novaya forma propagandy i vnedreniia opyta novatorov. Leningrad, 1962, 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seria: Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)
- NAGIBIN, P. V. [Organization and planning of the construction of mining enterprises] Organizatsiia i planirovanie stroitel'stva gornykh predpriatii. Moskva, Gosgortekhzdat, 1962, 504 p.
- NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SEL'SKOGO STROITEL'STVA. [Album of equipment used in rural construction which can be mounted on and hitched to tractors and other machines] Albom navesnogo i pril'spnogo oborudovaniia k traktoram i drugim mashinam, primeniamogo v sel'skom stroitel'stve. Sostavlen po materialam konkursa i zavodov-izgotovitelei. Moskva, Gosstroizdat, 1962, 87 p.
- NAUMCHENKOV, N. E., and I. A. L. MINKOV. [Fatigue strength of the joints in 35L steel castings made by electric-slag welding. Properties of metal deposited by GIAP-4 electrodes] Ustaloostaniia prochnost' soedinenii litoi stali 35L, vypolnennykh elektroshlakovoi svarkoi. Svoistva metalla, naplavlennogo elektrodami GIAP-4. [By] I. A. Zaks. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12, No. M-58-396/31)
- NAUMOV, V. G. [Mechanization of electric welding operations in construction] Mekhanizirovannye elektrosvarochnye raboty v stroitel'stve. Moskva, Gosstroizdat, 1962, 370 p. (Seria prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)
- NAUMOVETS, A. S. [Air humidity transducer with a humidity sensitive membrane] Datchik vlazhnosti vozdukh s vlagochuvstvitel'noi plenкой. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34, No. P-57-13/3)
- NAZAROV, I. N. [Production experiment and its role in knowledge] Proizvodstvennyi eksperiment i ego rol' v poznanii. Moskva, Sotsekgiz, 1962, 132 p.
- NECHAEV, G. A. [Raw material for the production of binding structural materials] Syr'e dlia proizvodstva vliashchikh stroitel'nykh materialov. Izd. 2., ispr. Moskva, Gosgeoltekhizdat, 1962, 23 p. (Bibliotekha iskatelia poleznykh iskopaemykh)
- NEKRIACH, I. E. F. [Polymers in technology and everyday life] Polimery v tekhnike i povsedennomu zhytii. Kyiv, Vyd-vo Akad. nauk URSR, 1962, 63 p. (Akademiia nauk Ukrainy koi RSR. Naukovo-popularna literatura)
- NIKANDROVA, L. I., and others. [Analysis of electrolytes and solutions for electroplates and chemical coatings] Analiz elektrolitov i rastvorov dlia gal'vaniicheskikh i khimicheskikh pokrytii. Leningrad, Goskhimizdat, 1963, 310 p.
- NIKITIN, D. P. [Organoleptic method for determining the quality of fish and fishery products] Organolepticheskii metod v otsenke kachestva ryby i ryboproduktov. Moskva, Rybnoe khoziaistvo, 1962, 80 p.
- NIKOLAEVSKII, I. F., ed. [Transistors and semiconductor diodes] Transistory i poluprovodnikovye diody. Moskva, Svyaz'izdat, 1963, 646 p.
- NOSOVA, O. N. [Analysis of water loss from sandy soils] Raschet vodootdachi peschanykh gruntov. Moskva, Gosenergizdat, 1962, 115 p.
- NOTKIN, L. R. [GI-2A-type pulse generator] Generator impuls'ov tipa GI-2A. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36, No. P-58-2/1)
- NOVIKOV, O. I. A. [Improvement of high-voltage switches and their drive mechanisms] Modernizatsiia vysokovol'tnykh vykluchatelei i privodov k nim. [Kulbyshchev] Kulbyshchevskie knizhnoe izd-vo, 1962, 76 p.
- NOVOZHILOV, N. M., and A. M. SOKOLOVA. [Automatic and semiautomatic welding procedures for low-carbon and low-alloy steels using a consumable electrode in an atmosphere of carbon dioxide] Tekhnologiya avtomaticheskoi i poluavtomaticheskoi svarki malouglerodistykh i nizkolegirovannykh stalei plavlashchimsia elektrodom v srede uglekislogo gaza. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12, No. M-58-50/5)
- OBNOVLENSKII, P. A., and others. [Automatic control of a double microscope. Automatic device for checking rollers] Avtomatizatsiia dvojnogo mikroskopa. Avtomat dlia kontrolla valkov. [By] A. I. Khotil'm, N. F. Papazov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21, No. M-58-140/5)
- ODINTSOV, M. D. [Sonic-frequency phase meter. Reverberation absorption meter] Fazometr zvukovykh chistot. Reverberatsionnyi izmeritel' pogloshcheniia. [By] S. A. Boldek. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 38, No. P-58-145/4)
- OZHINSKII, I. S., P. V. SOKOLOV, and B. I. IUFA. [How to search for uranium ores] Kak iskat uranovye rudy. Izd. 2., ispr. i dop. Moskva, Gosgeoltekhizdat, 1962, 55 p. (Bibliotekha iskatelia poleznykh iskopaemykh)
- PALITSYN, V. A., and others. [High-temperature double-chamber electric furnace for heating stamping billets] Vysokotemperaturnaia dvukhamernnaia elektricheskaya pech' dlia nagreva zagotovok pod shlam-povku. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, No. M-58-208/12)
- PAPOK, K. K., and N. A. RAGOZIN. [Technical dictionary-manual on fuel and oils] Tekhnicheskii slovar'-spravochnik po toplivu i maslam. Izd. 3., dop. i perer. Moskva, Gosoptekhzdat, 1963, 767 p.
- PARAMONOV, V. F. [New dynamometric equipment and the measurement of cutting forces] Novyi dinamometricheskii apparatura i izmerenie sil rezaniia. [Kulbyshchev] Kulbyshchevskie knizhnoe izd-vo, 1962, 48 p. (Novoe v tekhnike)
- PARFENOV, G. M. [Hauling lumber with trucks and motor vehicles without skidding] Beztrolevochnaia vyvozka lesa traktorami i avtomashinami. Moskva, Goslesbumizdat, 1961, 80 p.
- PARFENOV, O. D. [Methods of increasing the accuracy of metalwork on universal metal-cutting machines] Sposoby povysheniia tochnosti obrabotki na universal'nykh metallorazhushchikh stankakh. Moskva, Proftekhizdat, 1962, 102 p. (Novaya tekhnika i poredovyye metody truda)
- PARNES, M. G. [Mechanization and automation of the production of radio components] Mekhanizatsiia i avtomatizatsiia izgotovleniia elementov radioapparatury. Moskva, Gosenergizdat, 1963, 426 p.
- PAVLOV, A. P. [Reinforced-concrete shells (general concepts and stressed state)] Zhelezobetonnye obolochki (obshchie ponatiia i napriazhennoe sostoiianie); stenoigrammy lektsii. Leningrad, 1961, 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seria: Stroitel'naya promyshlennost')
- [PEAT MACHINES; their theory, calculation, and design] Torfiane mashiny; teoriia, raschet i konstruirovaniye. [By] S. G. Solopov i dr. Moskva, Vysshaya shkola, 1962, 353 p.
- PECHATNIKOV, M. I. [Handbook for machine operators in the furniture industry] Posobie dlia rabotchnikov stanochnikov mebel'nogo proizvodstva. Moskva, Goslesbumizdat, 1962, 92 p.
- PENEZEV, V. N. [Equipment for the spray pickling of parts prior to electroplating] Ustanovka dlia stal'nogo travleniia detalii pored nanoseniia pokrytii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13, No. M-58-220/23)
- PERSHIN, B. F. [Operation of traffic-control systems] Eksploatatsiia marshrutno-kontrol'nykh ustroistv. Moskva, Transzheldorizdat, 1963, 55 p. (Bibliotekha dozurnogo po stantsii i pozdnoho dispetchera)
- PETROV, A. K., and S. F. SURIN. [Highly efficient method for the jig boring of deep blind holes in cylinders with subsequent reaming] Vysokoproduktivnyi metod kombinirovannogo rastachiivaniia glubokikh glubokikh otverstii tsilindrov s posleduiushchim razvertivaniem. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10, No. M-58-153/28)
- PETROV, A. K., and S. F. SURIN. [Using the stretching method in high-speed countersinking and hole reaming with hard-alloy tools] Skorosnnoe zerkovanie i razvertivanie otverstii tverdosplavnykh instrumentom metodom "na rastizhenie". Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10, No. M-58-34/8)
- PETROV, G. L. [Inhomogeneity of the metal in welded joints] Neodnorodnost' metalla svarnykh soedinenii. Leningrad, Sudpromgiz, 1963, 205 p.
- PETROV, L. L. [Semiautomatic device for the two-coat painting of parts in an electric field with subsequent drying in a thermoradiation drying chamber] Poluavtomat dlia dvukhsloinoi okraski detaloi v elektroradiatsionnoi pol'e s posleduiushchei sushko v vertikal'noi termoradiatsionnoi sushilo'noi kamere. Leningrad, 1961, 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seria: Zashchitnye pokrytiia, no. 11)
- PETROV, L. V. [ZTSU-2 strain-measuring unit] Tenzometricheskaii stantsiia ZTSU-2. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31, No. P-58-107/12)

- PETROVA, K. P., and others. [New developments in the technology of clothing manufacture in the Leningrad clothing factories] Novoe v tekhnologii izgotovleniya odevzdy na leningradskikh shveytskikh predpriyatiyakh; obzor. Leningrad, 1962. 60 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Shvoinala promyshlennost')
- PETROVA, Z. M. [Engineer-curator of the information section of the Scientific Research Institute, his role and place in the organization of technical work for research and design] Inzhener-kurator otdela informatsii NI, ego rol' i mesto v organizatsii tekhnicheskoi informatsii dlia nauchno-issledovatel'skikh opytno-konstruktorskikh rabot. Leningrad, 1962. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)
- PINUS, E. R., and A. M. RADIN. [Cement concrete] Tsementobeton. Moskva, Avtotransizdat, 1962. 59 p. (V pomoshch' rabochemu dorozhniku)
- PIS'MENNYI, M. A. [Servosystems for profile milling] Slediaschie sistemy dlia konturnogo frezerovaniia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-124/20)
- PLANOVSII, A. N., V. M. RAMM, and S. Z. KAGAN. [Unit operations and equipment of chemical engineering] Protsessy i apparaty khimicheskoi tekhnologii. Izd. 2., dop. i perer. Moskva, Goskhimizdat, 1962. 847 p.
- [PLASTIC BUILDING MATERIALS] Stroitel'nye materialy iz plasticheskikh mass. [By] V. A. Vorob'ev, V. V. Korovnikova, G. P. Fedoseev. [Moskva] Mosk. rabochii, 1962. 179 p.
- [PLASTICS OF ORGANIC ORIGIN; testing methods] Plasticheskie massy organicheskogo proisshozhdeniia; metody ispytaniia. Izd. ofitsial'noe. Moskva, Standartgiz, 1963. 70 p. (SSSR, Gosudarstvennye standarty)
- PODLUBNYI, S. A. [Installing mine equipment] Montazh shakhtnogo oborudovaniia. Moskva, Gosgortekhzdat, 1962. 400 p.
- POKHODIAEV, V. D. [Experience with three-dimensional models in the design of complex industrial units] Opyt primeneniia ob'omnogo maketirovaniia pri proektirovanii slozhnykh promyshlennykh kompleksov. Leningrad, 1962. 6 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Ekonomika i organizatsiia proizvodstva, no. 5)
- POLIAKOV, E. V., and A. B. BELIAEV. [Precast reinforced-concrete roofs for the major repair of apartment houses] Perekrytiia iz sbornogo zhelezobetona dlia kapital'nogo remonta zhilykh domov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 101 p.
- POPOV, E. P. [Automatic regulation and control] Avtomaticheskoe regulirovaniie i upravleniie. Moskva, Fizmatgiz, 1962. 388 p.
- POPOV, V. D. [Technological progress and the reduction of housing construction] Tekhnicheskii progress i snizheniie stoimosti zhilishchnogo stroitel'stva; stenogramma lektaii. Leningrad, 1962. 36 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Stroitel'naiia promyshlennost')
- POPOV, V. S. [Wire resistors with indirect heating and their use in automatic control systems and measuring devices] Metallicheskie provolochnye soprotivleniia s kosvennym podogrevom i ikh primeneniie v avtomaticheskikh i izmeritel'nykh ustroistvakh. Leningrad, 1962. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Priboiry i elementy avtomatiki, no. 2)
- PORADNIA, A. I., and N. V. PUCHKOVSKII. [Present state and prospects for the development of dispatching at housing construction combines] Sostoianie i perspektiva razvitiia dispetcherizatsii domostroitel'nykh kombinatov. Leningrad, 1962. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naiia promyshlennost', no. 20)
- POTROSHKOV, V. A., and B. SH. REIDER. [Methods for measuring the steam content of bakery oven chambers] Metody izmoreniia parosoderzhanii v kamerakh khlebopekarnykh pechei. Leningrad, 1962. 28 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Khlebopekarnaiia promyshlennost', no. 2)
- [POURING OF ALLOYED STEEL WITH THE USE OF PETROLATUM] Razliva legirovannoi stali s petrolatumom. [By] G. A. Khasin i dr. Moskva, Metallurgizdat, 1963. 44 p.
- [POWER ENGINEERING IN THE LUMBER INDUSTRY] Energetika lesnoi promyshlennosti; spravochnik. Moskva, Goslesbumizdat, 1962. 545 p.
- POZDNEEV, M. L. [Using plastic and synthetic materials for repairing timber skidding tractors and logging motor vehicles] Primenenie plasticheskikh mass i sinteticheskikh materialov pri remonte trelevochnykh traktorov i lesovoznykh avtomoblei. Moskva, Goslesbumizdat, 1962. 122 p.
- [PREPARATION OF UNCLASSIFIED COALS] Obogashcheniie neklassifitsirovannykh uglei. [By] Dunaev, M. N. i dr. Moskva, Gosgortekhzdat, 1963. 181 p.
- [PROBLEMS IN THEORETICAL ELECTROMECHANICAL ENGINEERING] Sbornik zadach po teoreticheskoi elektromekhanike. [By] V. I. Konstantinov i dr. Izd. 3., dop. Moskva, Gosenergoizdat, 1962. 191 p.
- [PROCESSING AND UTILIZATION OF GAS] Pererabotka i ispol'zovanie gaza. [By] G. A. Sarkis'lants i dr. Moskva, Gosgortekhzdat, 1962. 216 p.
- [PRODUCTION OF LIGHTWEIGHT SECTIONS] Proizvodstvo oblegchennykh profilov. [By] S. V. Makhaev i dr. Sverdlovsk, Metallurgizdat, 1962. 215 p.
- PROFSOIUZ RABOCHIKH UGOL'NOI PROMYSHLENNOSTI. Tsentral'nyi komitet. [Work clothes for workers and employees in the enterprises of the coal and the slate industries] Spetsodezhda dlia rabochikh i sluzhashchikh predpriatii ugol'noi i slantsevoi promyshlennosti. Moskva, Gosgortekhzdat, 1963. 331 p.
- PRONIKOV, A. S., and A. M. DAL'SKII. [Reliability of machine tools] Nadezhnost' metallorazhreshchikh stankov. [Moskva] Mosk. rabochii, 1962. 187 p.
- [PROTECTION OF METALS FROM CORROSION; wear-resistant, finishing, and decorative coatings] Zashchita metallov ot korrozii, iznosostoike, odelochnye i dekorativnye pokrytiia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos. 1-8. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. Nos. M-58-19/2, M-58-60/5, M-58-95/8, M-58-99/9, M-58-100/10, M-58-169/19, M-58-257/26, M-58-262/27)
- PROTOPOPOV, S. P. [Electronic device for determining residual austenite in steel] Elektronnyi pribor dlia opredeleniia ostatocnogo austenita v stali. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33. No. P-58-92/4)
- PTITSYN, S. D. [Grain dryers] Zernosushilki. Moskva, Mashgiz, 1962. 179 p. diagr.
- [PUBLIC FOOD-SERVING ESTABLISHMENTS IN MOSCOW] Obshchestvennoe pitaniie v Moskve; kratkii spravochnik. [Moskva] Mosk. rabochii, 1962. 65 p.
- RABINOVICH, N. I. [Mobile pumping stations for irrigation] Peredvizhnye nasosnye stantsii dlia orosheniia. Moskva, Mashgiz, 1962. 115 p.
- RAMM, S. N., G. A. LILICH, and L. D. MOGILEVSKII. [Czech-Russian leather and shoe dictionary] Cheshko-russkii kozhevenno-obuvnoi slovar'. Moskva, Glav. red. inostr. nauchno-tekhn. slovaroi Fizmatgiza, 1962. 135 p.
- RASIN, B. I. [V. N. Podbel'skii, a talented organizer of Soviet telecommunication] Talantliivy organizator sotsialisticheskoi svyazi V. N. Podbel'skii. [Moskva] Svyaz'izdat, 1962. 126 p.
- RATNER, B. R. [Economical steel for helical rib shapes] Ekonomichnaia stal' dlia periodicheskikh profilov. Moskva, Metallurgizdat, 1963. 124 p.
- RAVVA, ZH. S., and M. I. A. TSLAF. [Program control systems and their elements] Sistemy programmno upravleniia i ikh elementy. [Kulbyshchevskoe knizhnoe izd-vo, 1962. 187 p.
- REEBEN, V. A. [FUAZ-2 photometer with automatic protection and linear and logarithmic scales] Avtomaticheskii zaashchishchennyi fotometr FUAZ-2 s lineinnoi i logarificheskoi shkalami. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 37. No. P-58-97/4)
- REUT, M. A. [Use of precast reinforced concrete in the construction of 35 - 500 kv. power distribution networks] Primeneniie sbornogo zhelezobetona pri sooruzhenii elektricheskikh setei napriazheniem 35 - 500 kv. Moskva, Gosenergoizdat, 1962. 173 p.
- RIUKHIN, N. V. [Handbook of technical literature on woodpulp and paper production published from 1950 to 1960] Spravochnik tekhnicheskoi literatury po tsellulozno-bumazhnomu proizvodstvu, 1950-1960 gg. Moskva, Goslesbumizdat. Vol. 2. Pt. 1. [Periodicals] Zhurnal'naiia literatura, 1962. 238 p.
- RODIONOV, S. V., and others. [Varnishing of wooden components in an electrostatic field using capacitive generators] Lakirovka detalei iz drevesiny v elektrostatiicheskom pole s primeneniem emkostnykh generatorov. Leningrad, 1962. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Derevoobrabatvaiushchaiia promyshlennost', no. 9)
- RODZEVICH, L. V., and A. M. KOSOL. [Metal cutting and the cutting tool] Rezanie metalliv i rezhushchii instrument. Moskva, Mashgiz, 1962. 289 p.
- ROMANOV, B. D. [Operating features, design, and repair of VMP-2 and VMM-2 multiknobboard calculating machines] Eksploatatsionnye svoistva, konstrukttsiia i remont vychislitel'nykh mnogoknobykh mashin VMP-2 i VMM-2. Moskva, Gosstatizdat, 1962. 119 p.
- ROTENBERG, A. G. [Solenoid diaphragm valves] Solenoidnye membranye ventili; nauchnoe soobshcheniie. Moskva, Gosorgizdat, 1962. 24 p.
- ROTIAN, A. L., and T. M. OVCHINNIKOVA. [Measuring acidity in the cathode layer during the electrolysis of aqueous solutions] Izmerenie kislotnosti v prikatodnom sloe pri elektrolize vodnykh rastvorov. Leningrad, 1962. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Zashchitnye pokrytiia, no. 7)
- ROZOV'SKYI, I. L., and P. K. TSVIETKOV. [Low-pressure shaft spillways near earth dams] Nyz'konaplnni shakhtni vodoskydy pry zemlianykh hrebliakh. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 147 p.
- RUBTSOV, N. N. [History of founding in the U.S.S.R.] Istoriia liteinogo proizvodstva v SSSR. Izd. 2., dop. i pererabotannoe. Moskva, Mashgiz. Pt. 1. 1962. 287 p.
- RUDAKOV, V. V., and G. A. USTIUZHANIN. [Electronic amplifier with a multiplying device for servo drive systems] Elektronnyi usilitel' s mnozhitel'nym ustroistvom dlia sistem slediaschiego privoda. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 23 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-58-69/7)
- RUDENKO, K. G., and A. V. KALMYKOV. [Dust removal and collection in mineral dressing] Obezpylianie i pyleulavlianie pri obrabotke poleznykh iskopaemykh. Moskva, Gosgortekhzdat, 1963. 422 p.
- RUMANTSEV, S. V., and L. N. MATSIUK. [Thullum-170 as a radiation source for gamma-defectoscopy] Tulli-170 kak istochnik izlucheniia dlia gamma-defektoskopii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 29 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Moskva, Tema 23. No. M-58-109/1)
- RUSAKOV, S. V. [Design, construction and operation of protective structures at the Kakhovka Reservoir] Dosvid proekuvanniia, budivnytstva ta eksploatatsii zakhysnykh sporud Kakhov's'koho vodozakhysniachna. Pid red. B. A. Pysklna. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 67 p.
- RUSINKOVSKII, IU. P., and M. A. KAPLAN. [Automatic control of gas-fired boiler rooms] Avtomatizatsiia gazifitsirovannykh kotlovnykh. Kiev, Gosgortekhzdat USSR, 1963. 115 p.
- RUSSIA (1923- U.S.S.R.) Glavnoe energeticheskoe upravleniie. [Safety engineering regulations for operating and servicing electrical systems of industrial enterprises required for the industrial plants of economic councils, ministries, and departments] Pravyia tekhnicheskoi eksploatatsii i bezopasnosti obeluzhtvaniia elektrostanoov promyshlennykh predpriatii; obiazatel'ny dlia promyshlennykh predpriatii sovmarkhozov, ministeraty i vedomstv. Uvoryzhdeny 10 fevralia 1961 g. Moskva, Dnepropetrovskoe knizhnoe izd-vo, 1962. 279 p.
- RUSSIA (1923- U.S.S.R.) Glavnoe upravleniie grazhdanskogo vozdukhnoho flota. [Airplane schedule] Raspisanie dvizheniia samoletov. [n. p.] No. 1. [Summer 1957] Leto 1957. 63 p. [PHOTOCOPY]
- RUSSIA (1923- U.S.S.R.) Glavnoe upravleniie grazhdanskogo vozdukhnoho flota. Raspisanie dvizheniia samoletov; mezhduarodnye linii. Zima 1962-1963 gg. Timetable and fares; international services. Winter 1962-1963. Moskva, 1962-1963. 60 p. [Parallel texts in Russian and English]

- RUSSIA (1923- U.S.S.R.)** Glavnoe upravlenie grazhdanskogo vozdukhnoy flota. [Domestic airline schedule of the Civil Air Fleet from May 15 through November 14, 1961] Raspisanie (dispatcherskoe) dvizheniya samoletov na vnutrennikh vozdukhnykh liniakh GVF s 15 maya po 14 noyabrya 1961 goda. (Vypusk vtoroy) utochnennoe na 5 iyunia. Moskva, Redaktsionno-izd. otel Aeroflota, 1961. 150 p. [PHOTOCOPY]
- RUSSIA (1923- U.S.S.R.)** Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat. Pt. 2. Sec. G. ch. 4. [Indoor drainage in residential and public buildings; standards for design (SNIP II-G, 4-62)] Vnutrennaya kanalizatsiya zhilykh i obshchestvennykh zdaniy; normy proektirovaniya (SNIP II-G, 4-62). 1962. 11 p.
- RUSSIA (1923- U.S.S.R.)** Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat. Pt. 2. Sec. G. ch. 6. [Sewage standards for design (SNIP II-G, 6-62)] Kanalizatsiya normy proektirovaniya (SNIP II-G, 6-62). 1962. 72 p. Pt. 2. Sec. M. ch. 1. [General plans of industrial enterprises; standards for design (SNIP II-M, 1-62) 1962] General'nye plany promyshlennyykh predpriyatiy; normy proektirovaniya (SNIP II-M, 1-62) 1962. 54 p.
- RUSSIA (1923- U.S.S.R.)** Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat. Pt. 2. Sec. L. ch. 1. [River hydraulic structures; basic principles of design (SNIP II-L, 1-62)] Gidrotekhnicheskie sooruzheniya; rechnye osnovnye potozheniya proektirovaniya (SNIP II-L, 1-62) 1962. 31 p.
- RUSSIA (1923- U.S.S.R.)** Gosudarstvennyi komitet po delam stroitel'stva. [Schedule of standard planning for rural structures built in 1962] Plan tipovogo proektirovaniya na 1962 g. dlya ob'ektoy sel'skokhozyaistvennogo stroitel'stva. Moskva, Gosstroizdat, 1962. 48 p. [MICROFILM]
- RUSSIA (1923- U.S.S.R.)** Gosudarstvennyi komitet po delam stroitel'stva. [Technical specifications SN 200-62 for the design of railroad, road and city bridges and culverts] Tekhnicheskie uslovia proektirovaniya zheleznodorozhnykh, avtomobilnykh i gorodskikh mostov i trub (SN 200-62). Izd. offtsal'noe. Moskva, Transzheldorizdat, 1962. 327 p.
- RUSSIA (1923- U.S.S.R.)** Gosudarstvennyi komitet po khimii. [Album of apparatus and equipment for industrial painting shops] Albom oborudovaniya i apparatury okrasnykh tsekhov. Moskva, Goskhimizdat, 1962. 323 p.
- RUSSIA (1923- U.S.S.R.)** Komitet po delam izobretenii i okrytiy. [Collection of inventions; construction and building materials in agriculture] Sbornik izobreteniy i stroitel'stvo i stroitel'nye materialy v sel'skom khozyaistve. Moskva, Tsentr. biuro tekhn. informatsii, 1962. 47 p. (Sbornik otechestvennykh izobreteniy)
- RUSSIA (1923- U.S.S.R.)** Ministerstvo putei soobshcheniya. [Instructions for electric crane operators] Instrukttsiya dlya kranovshchikov elektricheskikh kranov (mostovykh, kozlovyykh, bashennykh, peregruzochnykh mostov); obiazatel'na dlya predpriyatiy i uchrezhdeniy podkontrol'nykh inspektov kotladnitsy Ministerstva putei soobshcheniya. Moskva, Transzheldorizdat, 1961. 26 p.
- RUSSIA (1923- U.S.S.R.)** Ministerstvo putei soobshcheniya. Glavnoe upravlenie uchebnymi zavedeniyami. [Manual on term and diploma projects in the "Diesel locomotives" section of railroad engineering technicums] Posobie po kursovomu i diplomnomu proektirovaniyu dlya tekhnikumov zheleznodorozhnogo transporta spetsial'nosti "Teplovoznoe khozyaistvo." Moskva, 1962. 145 p.
- RUSSIA (1923- U.S.S.R.)** Vsesoyuznyi geologicheskii fond. [Brief manual on the mineral resources of capitalist countries; Africa, Australia and Oceania] Kratkiy spravochnik po mineral'nym resursam kapitalisticheskikh stran; Afrika, Avstraliya i Okeaniya. Pod red. N. A. Bykhovera, M. V. Dubovskoy i N. A. Nekhodtseva. Moskva, Gosgeoltekhizdat, 1962. 197 p.
- RUTSKII, A. I.** [Electric power plants and substations; principal electrical equipment] Elektricheskie stan-tsii i podstantsii; osnovnoye elektricheskoye oborudovaniye. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1962. 423 p.
- RYBAKOV, B. V.** [Electronic device for measuring phase-shifted code impulses] Elektronnoye ustroystvo dlya sravneniya kodovykh impul'sov, sdvinytykh po faze. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 15 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40. No. P-57-6/1)
- RZHEVKIN, K. S.** [Tunnel diode] Tunnel'nyi diod. Moskva, Gosenergoizdat, 1962. 23 p. (Massovaya radiobiblioteka, no. 452)
- SAIKINA, V. N., and M. P. KALIANOVA.** [Chemical and heat treatment of friction surfaces instead of honing] Khimiko-termicheskaya obrabotka poverkhnostey treniya vzamen dovodki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 7 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. No. M-58-246/8)
- SAMGIN, I. S.** [New devices for mechanizing auxiliary operations in drilling] Novyye prispособleniya dlya mekhanizatsii vspomogatel'nykh operatsii pri burenii. Moskva, Gosgeoltekhizdat, 1962. 47 p.
- SAMOFALOV, K. G.** [Calculating machines] Vychislitel'nye ustroystva. Kiev, Gostekhzdat USSR, 1963. 202 p.
- SAMSONOV, L. A.** [Self-service bakeries] Khranobulochnyye magaziny samoslužhivaniya. Moskva, Gos-torgizdat, 1962. 53 p.
- SAPINO, D. N.** [Aeronautical electric apparatus and mechanisms] Aviatsonnyye elektricheskiye apparaty i mekhanizmy. Moskva, Oborongiz, 1962. 359 p.
- SAVENKO, L. V., and M. I. OZERKIN.** [Degasification of accessory minerals in coal seams] Degazatsiya spul'kov ugol'nykh plastov. Kiev, Gostekhzdat USSR, 1959. 129 p.
- SAVIN, G. N., and O. A. GOROSHO.** [Dynamics of a wire of varying length, used in mine hoists] Dinamika nitii peremennoi dliny; primeneniye k shakhtnym pod'emam. Kiev, Izd-vo Akad. nauk USSR, 1962. 331 p.
- SAVKOV, E. I.** [Methods for calculating the strength of wooden boxes] Metody rascheta na prochnost' derevyannykh lashchichnykh tary. Moskva, Goslesbunizdat, 1962. 72 p.
- SEMENTOVSKII, I. V.** [Universal rotor-integrator for the quantitative geometrical analysis of rocks and materials] Universal'nyi rotor-integrator dlya kolichestvennogo geometricheskogo analiza gornyykh porod i materialov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 8 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33. No. P-58-139/7)
- SHADRUKHIN, I. A., and F. I. GORIN.** [Saving electric power in petroleum refining] Ekonomiya elektropotomosti v neftepererabatyvayushchey promyshlennosti. Moskva, Gosenergoizdat, 1962. 39 p. (Za ekonomiyu elektricheskoy i teplovoi energii)
- SHAPOSHNIKOV, V. G.** [Sealed mercury-arc rectifiers; experience in the operation of type RM-500 and RMV-250x6 rectifiers] Zapalannyye rtutnyye vypryamiteli; opyt ekspluatatsii vypryamitelei tipov RM-500 VS i RMV-250x6 Moskva, Izd-vo MKKh RSFSR, 1962.
- SHCHERBAK, B. M.** [Interfarm building organization] Mezhselkol'hoznaia stroitel'naya. [Ukrainian] U'ianovske knuzhnoe izd-vo, 1960. 36 p.
- SHCHERBAN, O. N., and O. S. KOROID.** [Science and communism] Nauka i kommunizm. Kyiv, Derzhpolityv-unizmu, 1962. 81 p. (Osnovy nauchnogo komunizma)
- [SHEET-METAL WORK, CUTTING, SIZING, AND DRAWING]** Kholodnaya shtampovka, rubka, kalibrovka i volocheniye. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos. 1, 3-4. 1958. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 6. Nos. M-58-52/2, M-58-173/4, M-58-248/5)
- SHER, G. S.** [Combination dies of consecutive and simultaneous action] Kombinirovannyye shtampy posledovatel'nogo i sovmeshchennogo deystviya. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 6. No. M-58-142/3)
- SHERMAN, I. A.** [Production of sanitary structural ceramics] Proizvodstvo sanitarno-stroitel'noi keramiki. Izd. 2., perer. i dop. Moskva, Gosstroizdat, 1963. 149 p.
- SHEVAKIN, I. F.** [Grooving and forces in the cold rolling of pipe] Kalibrovka i usiliya pri kholodnoi prokatke trub. Moskva, Metallurgizdat, 1963. 267 p.
- SHILIAKOV, N. I.** [Laboratory work on lathes] Laboratornyye raboty po tokarnomu delu. Moskva, Proftekhizdat, 1962. 127 p. (Obmen opytom raboty)
- SHKOROPAD, D. E., and I. V. LYSKOVTSOV.** [Centrifugal liquid extractors] Tsentrifugoznyye zhidkostnyye ekstruktory. Moskva, Mashgiz, 1962. 215 p.
- SHLUGER, M. A., and A. I. LIPIN.** [Reducing the loss of chromium anhydride in electrolytic chromium plating. Chromium plating from a cold tetrachromate electrolyte] Umen'sheniye poter' khromovogo angidrida pri elektroliticheskom khromirovani. Khromirovaniye iz kholodnogo tetrakhromatnogo elektrolita. [By] A. I. A. Riaboi, M. A. Shluger. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-203/21)
- SHNIUKOV, E. F., and P. I. NAUMENKO.** [Koroch Basin manganese and iron ores] Marganitsovo-zheleznyye rudy Korchenskogo basaina. Simferopol', Krymizdat, 1961. 178 p.
- SHOR, E. R.** [Selecting metal lubricants and equipment for their mechanized application during the forging of aluminum alloys] Vybory tekhnologicheskikh smazok i oborudovaniya dlya ikh mekhanizirovannogo naneseniya pri goruchel'noy shtampovke aluminiovyykh sployov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-43/4)
- SITENBERG, A. L.** [UPE-1 unit] Ustroystvo UPE-1. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 8 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-58-14/10)
- SITERN, L. T.** [Group manufacture of parts on high-production machines] Gruppovaya obrabotka detalей na vysokoproduktivnykh stankakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-273/40)
- SILIN, N. A., and S. G. KOBERNIK.** [Operating conditions of large dredgers and pipelines] Rezhimy raboty krupnykh zemleposhykh mashin i truboprovodov. Kiev, Izd-vo AN USSR, 1962. 214 p.
- SIMSON, I. I.** [Woodcutting tools with increased sturdiness and safety characteristics] Derevoroznashche instrumenty povyshennoy bezopasnosti i otoklosti. Leningrad, 1962. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom, Sorlia: Dorevorobratyvatel'shchaya promyshlennost', no. 8)
- SIVOLAPOV, V. P.** [MFI phase motors. Light-sensitive EAK-3 automatic compensator for electric prospecting] Fazometr MFI. Potomogistritsionnyy elektrozavedochnyy avtokompensator EAK-3. [By] K. B. Karandeev i dr. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 26 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35. No. P-58-27/4)
- SKORODUMOVA, A. M.** [Practical manual on the technical microbiology of milk and milk products] Prakticheskoye rukovodstvo po tekhnicheskoi mikrobiologii moloka i molochnykh produktov. 3. Izd., perer. i dop. Moskva, Pishchepromizdat, 1963. 306 p.
- SKREBTSOV, A. M.** [Radioisotopes in the investigation of the open-hearth process] Radioaktivnyye izotopy pri issledovanii martenovskogo protsesssa. Moskva, Metallurgizdat, 1963. 130 p.
- SMIRNOV, B. V.** [Principles of electronics and telecommunication engineering] Osnovy elektroniki i tekhniki svyazi. Moskva, Sol'khizdat, 1962. 400 p.
- SMIRNOV, L. B., and others.** [Pattern design for knit goods] Konstruirovaniye trikotazhnykh izdelii. Moskva, Rostekhzdat, 1962. 187 p.
- SOKOLIK, A. I., and V. M. BORTSOV.** [IV-13, IV-13M and IV-13MA time-interval indicators. TTU-5-55 three-channel strain-measuring amplifier] Izmeriteli intervalov vremeni IV-13, IV-13M i IV-13MA. Trekhkanal'nyy tenzometricheskii usilitel' tipa TTU-5-55. [By] L. I. Polakovskii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-22/4)

- SOKOLIK, A. I., and others. [High-voltage OK-10M oscillograph system] *Vysokovol'tnaya oscillograficheskaya ustanovka OK-10M*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35. No. P-58-25/2)
- SOKOLOV, N. L. [Economy of die steel in drop forging with mechanical forging presses] *Ekonomiya shtampovoi stali pri shtampovke na krivoshlupnykh kovochno-shtampovnykh pressakh*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-202/11)
- SOKOLOV, V. G. [Improving the operating qualities of asphalt-concrete pavements] *Povyshenie eksploatatsionnykh kachestv asfal'tobetonnykh pokrytiy*. Kiev, Gosstroizdat, 1962. 84 p.
- [SOLID FUEL: COAL; testing methods] *Tverdoe toplivo: Ugol'*; metody ispytaniy. Izd. oftsial'noe. Moskva, Standartizdat, 1962. 391 p. (SSSR, Gosudarstvennye standarty)
- SOLOMONOV, V. G. [Device for synthesizing characteristics (magazine with various characteristics)] *Ustroystvo dlia sinteza kharakteristik (magazin kharakteristik)*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 34 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-9/4)
- SOLOV'EV, A. I., and others. [Designs of mechanisms for automatic control devices, measuring and computing equipment] *Raschet mekhanizmov avtomatiki, izmeritel'noi i schetno-reshatel'shegoi tekhniki*. Pod red. A. I. Solov'eva. [Taganrog] Taganrogskii radio-tekhn. in-t [1961] 216 p. [MICROFILM]
- SOLOV'EV, I. I., and A. M. FEDOSEEV, eds. [Use of transistors in relay protection and system automation] *Primenenie poluprovodnikov v ustroystvakh rel'noi zaschity i sistemnoi avtomatiki*. [By] N. N. Vostroknutov i dr. Moskva, Vysshaya shkola, 1962. 282 p.
- SOTNIKOV, E. A., and G. A. UGRUMOV. [Operational planning of the work in a railroad station] *Operativnoe planirovaniye raboty na stantsii*. Moskva, Transzheldorizdat, 1963. 56 p. (Biblioteka dezhurnogo po stantsii i poezdnoy dlistchera)
- SPEKTOR, M. I. [Economic design of dies for horizontal forging machines] *Ekonomichekaia konstruktsiia shtampov gorizonta'no-kovochnykh mashin*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-305/15)
- SPEKTOR, O. SH. [Arc and gas cutting of stainless steel] *Dugovaya i gazovaya rezka nerzhaveyushchego stali*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-100/18)
- [STEELMAKING IN MACHINE MANUFACTURING PLANTS] *Staloplavil'noe proizvodstvo na mashinostroitel'nykh zavodakh*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 1. No. M-58-37/2) No. 1. 1958. 14 p.
- STOL'NIKOV, V. V. [Effect of the age of concrete on its basic engineering properties] *Vliyanie vozrasta betona na ego osnovnye tekhnicheskie svoystva*. Moskva, Gos. energ. izd-vo, 1960. 60 p. (Vsesoiuznyi nauchno-issledovatel'skii institut gidrotekhniki. Tekhnicheskaya informatsiia) (CU)
- STRAMENTOV, A. E., and V. A. BUTIAGIN. [Planning and improvement of cities] *Planirovka i blagoustroystvo gorodov*. Izd. 2., perer. i dop. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 507 p.
- STRIZHEVSKII, I. I. [Operation of acetylene generators and water seals during winter] *Eksploatatsiia atsetilennykh generatorov i vodnykh zatvorov v zimnee vremia*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-114/10)
- SUKHANOV, V. P. [Catalytic processes in petroleum refining] *Kataliticheskie protsessy v neftepererabotke*. Moskva, Gostoptekhtizdat, 1963. 271 p.
- SUSLOV, N. I., and others. [Nonmetallic materials] *Netmetallicheskie materialy; spravochnik*. Pod red. N. I. Suslova. Moskva, Mashgiz, 1962. 380 p.
- SYSOEV, V. I. [Cutting of metals, machines, and tools] *Rezanie metallov, stanki i instrument*. Moskva, Mashgiz, 1960. 479 p.
- [SYSTEMS AND APPARATUS FOR AUTOMATIC AND REMOTE CONTROL AND REGULATION] *Sistemy i apparatura dlia avtomaticheskogo i telemekhanicheskogo upravleniia i regulirovaniia*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 28 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-58-17/1)
- TAMBOVTSYEV, S. P. [Effect of the microstructure of metals on their machinability] *Vliyanie mikrostruktury metallov na ikh obrabatyvaemost'*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-146/27)
- [TECHNICAL SPECIFICATIONS AND OPERATION INSTRUCTIONS FOR THE C-180 CAMERA AND C-180-S SPECTROGRAPHIC CAMERA] *Tekhnicheskoe opisanie i instruktsiia po eksploatatsii fotograicheskoi kamery C-180 i spektral'noi kamery C-180-S*. [n. p., 1959?] 49 p. 34 diagr.
- [TECHNOLOGY OF LUMBERING AND LUMBER TRANSPORTATION] *Tekhnologiya lesozagotovok i transport lesa*. [By] N. G. Korchunov i dr. Moskva, Goslesbumizdat, 1962. 501 p.
- TEMKIN, B. S. [Technology of glass and glass products] *Tekhnologiya stekla i stekloizdelii*. Moskva, Rostekhtizdat, 1962. 458 p.
- TIKHOMIROV, P. M. [Design of electric transformers] *Raschet transformatorov*. Izd. 2., perer. i dop. Moskva, Gosenergoizdat, 1962. 431 p.
- TIKHOMIROV, V. A., and M. B. ROZENBERG. [Noise and vibration in small refrigerating machines] *Shum i vibratsii mal'nykh kholodil'nykh mashin*. Moskva, Gosorgizdat, 1962. 62 p. (Obzor zarubezhnoi tekhniki)
- TIKHONOV, M. E. [Means of controlling roofs] *Sposoby upravleniia krovlei*. Kiev, Gostekhtizdat USSR, 1962. 150 p.
- TIMOFEEV, E. I., and L. A. URVANTSEV. [Equipment for the impact testing of metals] *Ustanovka dlia dinamicheskogo ispytaniia metallov*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32. No. P-58-5/3)
- TITOV, A. V. [Housing construction and local natural climatic conditions] *Zhilyshchnoe stroitel'stvo i mestnye prirodno-klimaticheskie uslovia; voprosy proektirovaniia i stroitel'stva zhilyshch na Severnom Kavkaze*. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 134 p.
- TITOV, V. A., and A. R. IAKUBENKO. [Effectiveness of steel protection against corrosion by various methods of oxidation] *Effektivnost' zaschity stali ot korrozii razlichnykh metodami oksidirovaniia*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-108/11)
- TKACH, A. G. [Brief manual for workers engaged in the tobacco industry] *Kratkii spravochnik tabachnika*. Moskva, Pishchepromizdat, 1963. 112 p.
- TOMUSHEV, M. M. [Design of a motor vehicle] *Ustroystvo avtomobilia*. Moskva, Mashgiz, 1962. 393 p.
- TOVSTANOVSKII, D. P., P. G. NESTEROV, and A. A. VOVK. [Labor productivity in Ukrainian mining enterprises] *Proizvoditel'nost' truda na gornorudnykh predpriatiakh Ukrainy*. Kiev, Gostekhtizdat USSR, 1963. 225 p.
- TRAKHTMAN, L. D. [Remote control arrangement in an open-hearth furnace shop] *Telemekhanicheskoe ustroystvo v martenovskom tsokhe*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 1. No. M-58-176/3)
- TROFIMOV, V. P. [Ways of developing the coal industry of the Ukrainian S.S.R.] *Shliakhi rozvytku vuhil'noi promyslovosti URSS*. Kyiv, Derzh. vyd-vo tekhn. lit-ry URSS, 1963. 110 p.
- TRUBITSYN, N. A., and others. [Hot crack resistance in carbon steel castings] *Goriachata treshchinosustoiichivost' litoi uglerodistol stali*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 1. No. M-58-207/4)
- TSEITLIN, E. S., and I. I. KOLODZIL. [The concrete placer and molding equipment operator] *Mashinist betonoukladchika i formovochnoy oborudovaniia*. Moskva, Proftekhizdat, 1962. 277 p.
- TSENTRAL'NYI INSTITUT NAUCHNO-TEKHICHESKOI INFORMATSII LEGKOI PROMYSHLENNOSTI. [Catalog-handbook of flax and hemp-and-jute processing equipment; spinning machinery] *Katalog-spravochnik l'nanogo i pen'ko-dzhutovogo oborudovaniia; mashiny priadil'nogo proizvodstva*. Moskva, 1962. 179 p. [MICROFILM]
- TSENTRAL'NYI INSTITUT NAUCHNO-TEKHICHESKOI INFORMATSII PO AVTOMATIZATSII I MASHINOSTROENIU. [Machine tools; a catalog] *Metallorazhushchite stanki; katalog*. Moskva, 1962. 214 p.
- TSENTRAL'NYI INSTITUT TEKHICHESKOI INFORMATSII UGOL'NOI PROMYSHLENNOSTI. [Practice of using cutter-loaders] *Opyt ispol'zovaniia ochisl'nykh kombainov; sbornik statei*. Moskva, 1962. 102 p. (Seria "Tekhnologiya i ekonomika podzemnoi dobychi ugla") [MICROFILM]
- TSVETNOV, S. A. [Device for automatic temperature control of grain in granaries] *Ustanovka dlia avtomaticheskogo kontrolya temperatury zerna v zernokhranilishchakh*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-58-105/12)
- TSYBRYK, O. M. [New molding materials; theoretical and experimental investigations in the field of molding materials and the manufacture of molds for steel and iron casting] *Novi formuval'ni materialy; teoretichni ta eksperymental'ni doslidzhennia v haluzi formuval'nykh materialiv i tekhnologii form dlia stal'noho i chavunnoho lytva*. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 125 p.
- TUPOLEV, M. S., A. N. SHKINEV, and A. A. POPOV. [Residential, public and industrial buildings] *Grazhdanskie i promyshlennyye zdaniia*. Moskva, Gosstroizdat. Pt. 1. [Residential and public buildings] *Grazhdanskie zdaniia*. Pod obshch. red. M. S. Tupoleva. 1962. 275 p.
- TURETSKII, I. IU., and others. [Recovering the machining precision of gear-cutting machines] *Vosstanovlenie tekhnologicheskoi tochnosti zuboreznykh stankov*. Pod obshch. red. N. I. Kolchina. 2. perer. izd. Moskva, Mashgiz, 1962. 91 p. (Biblioteka zuboreza, no. 10)
- TUTEVICH, V. N. [Contactless cyclic remote-control system] *Deskontaktnaya tsiklicheskaya sistema telemekhaniki*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-57-53/9)
- TUTURINA, V. V., and G. P. SLAVIN. [Organic chemistry and flotation agents] *Organicheskaya khimiia i flotatsionnyye sredstva*. Moskva, Gosgortekhtizdat, 1962. 187 p.
- TUZOY, M. S. [Organizational and technical structure of preparatory operations] *Organizatsionno-tekhnicheskaya struktura rabot nulevogo tsikla; stenogramma lektsii, prochlannoi na tsiklo lektsii dlia rukovodivshchego sostava inzhenerno-tekhnicheskikh rabotnikov stroitel'nykh organizatsii Leningrada*. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961. 21 p.
- UTIAMSHEV, R. I. [Apparatus for precise measurement of the frequency of power supply sources in a frequency range of 300 to 1500 c.p.s.] *Apparatura dlia tochnogo izmereniia chastoty istochnikov elektricheskoi energii v diapazone 300-1500 gts*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 23 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-38-10)
- UTIAMSHEV, R. I. [Highly stable electronic IV-28 microsecond meter with quartz stabilization and the IG-1 device for checking and calibrating precision-type electronic microsecond and millisecond meters] *Vysokostabil'nyi elektronnyi mikrosekundomer IV-28 s kvartsovoi stabilizatsiei i pribor IG-1 dlia proverki i kalibrovki tochnykh elektronnykh mikro- i millisekundomerov*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 28 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-37/7)
- UTIAMSHEV, R. I. [GP-200 system for determining the interference rejection of radio apparatus] *Ustanovka GP-200 dlia opredeleniia pomekhnostoiichivosti radiotekhnicheskikh ustroystv*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-24/7)

- UTIAMSHEV, R. I. [RET-1 electronic flowmeter] Elektronnyi raskhodometr RET-1. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-58-41/4)
- UTIAMSHEV, R. I. [12 KST tachometer with the TP-12 attachment] Tachometr 12 KST s pristavkoj TP-12. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-10/1)
- UZHOV, V. N. [Industrial dust control] Bor'ba s pyl'ju v promyshlennosti. Moskva, Goskhimizdat, 1962. 183 p.
- VAINSHTEIN, B. K., and Z. G. PINSKER. [Electron diffraction camera for structural studies] Elektronograf dlia struktural'nykh issledovanii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33. No. P-58-100/5)
- VAINSHTEIN, G. M., E. P. LOKSHIN, and I. A. TSENTER. [Improving the procedure of melting and casting primary magnesium and magnesium alloys] Usovershenstvovanie tekhnologii plavki i litiia pervichnogo magniia i magniievykh spлавov. Moskva, Metallurgizdat, 1962. 34 p.
- VAINSON, A. A. [Hoisting and conveying machinery of the construction industry; atlas of technical drawings] Pod'emno-transportnye mashiny stroitel'nol promyshlennosti; atlas konstruktiv. Moskva, Mashgiz, 1962. 151 p.
- VASIL'EV, A. A. [Electrical section of power plants and substations] Elektricheskaya chast' stantsii i podstantsii. Moskva, Gosenergizdat, Pt. 1. [Electrical equipment and power distribution devices] Elektricheskie apparaty i raspredelitelnye ustroistva. 1963. 465 p.
- VASIL'EV, A. A., and others. [Road-building machinery] Dorozhno-stroitelnye mashiny; spravochnoe posobie. Pod red. I. I. Nekhoroshego. 3., perer. i dop. izd. Moskva, Mashgiz, 1963. 566 p.
- VASIL'EV, K. V., and I. S. SHAPIRO. [Air-arc cutting of metals. P. A. Vachkov's method for the gas planing of steel] Vozdushno-dugovaya rezka metallov. Gazovaya strozhenka stali po metodu P. A. Vachkova. [By] K. K. Shteintsalg. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-70/7)
- VASIL'EV, K. V., and I. S. SHAPIRO. [Oxygen-arc cutting of metals. Backfire localizing device for gas and petroleum cutting torches] Elektrokistorodnaya rezka metallov. Lokalizator obratnykh udarov v benzo-i kerosinorezakh. [By] I. I. Nekrasov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-102/8)
- VASIL'EVA, R. V. [Vibrating stands for calibrating vibrometers and accelerometers in a wide frequency range] Vibrostendy dlia tarirovki vibrometrov i akselerometrov v shirokom diapazone chastot. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-14/2)
- VEGMAN, E. F. [Sintering process] Protseess aglomeratsii. Moskva, Metallurgizdat, 1963. 151 p.
- VEREGITIN, I. Z. [Manufacture of semiprocessed products from deciduous wood] Proizvodstvo polufabrikatov iz listvennoi drevessiny. Moskva, Goslesbumizdat, 1962. 116 p.
- VERYZHENKO, I. E. P. [Collection of problems and exercises in the statics of structures] Zbirnyk zadach i vprav iz statyky sporud. Vyd. 2., perer. Kyiv, Derzhbudyvdav URSR, 1962. 214 p.
- VESELOVSKII, I. U. P., and B. I. GRASSE. [Laboratory manual for a course on the "Technology of metals and structural materials"] Laboratornyi praktikum po kursu "Tekhnologiya metallov i konstruktivnye materialy." Moskva, Mashgiz, 1962. 160 p.
- VESELOVSKII, S. I. [Manufacturing low-module gear tail cutters] Izgotovlenie melkomodul'nykh khvostovykh dobliakov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 45 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 11. No. M-57-15/1)
- VIL'KE, G. A. [Fundamentals of the automatic control and automation of the industrial processes of lumbering enterprises] Osnovy avtomatiki i avtomatizatsii proizvodstvennykh protsessov lesopromyshlennykh predpriatii. Moskva, Goslesbumizdat, 1962. 450 p.
- VINARSKII, M. S. [Methods for studying and plugging absorption beds; results achieved on oil fields in the Volga Valley portion of the Urals] Metody issledovaniia i izolatsii pogloshchaishekh plastov; opyt nefiannykh rafinov Uralo-Povolzhia. Moskva, Gosoptekhizdat, 1963. 159 p.
- VINARSKII, V. L. [Manual for the worker engaged in corrosion control] Spravochnik mastera protivokorroziynykh rabot. Kiev, Gosstroizdat USSR, 1962. 167 p.
- VINOGRADOV, E. G. [Safety measures in the mechanical processing of wood] Tekhnika bezopasnosti pri mekhanicheskoi obrabotke drevessiny. Pod obshchei red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 37 p. (Biblioteka stroitel'ia po tekhnike bezopasnosti, no. 4)
- VINOKUROV, F. P., and others. [Structural properties of peat soils] Stroitelnye svoistva torfiannykh gruntov. Pod red. N. A. Tsytoicha i F. P. Vinokurova. Minsk, Izd-vo Akad. nauk BSSR, 1962. 282 p.
- VLASOV, M. F., and others. [Assembly and adjustment of electric measuring devices] Shorka i regulirovka elektrozmeritel'nykh priborov. Izd. 2., perer. Moskva, Gosenergizdat, 1963. 260 p.
- VOLOSATOV, V. A. [Universal pneumatic attachments for turret and turning lathes] Universalnye pnevmaticheskie prisoobleniia k revol'vornym i lokarnym stankam. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-145/20)
- VOROB'EV, V. A. [Building materials and products] Stroitelnye materialy i detal'. 2., izd. rasshirennoe i perer. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 399 p.
- VORONKOV, A. E., and others. [High-speed multichannel pulse height analyzer] Bystrodel'stviushchii mnogokanal'nyi amplitudnyi analizator. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 63 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41. No. P-57-16/1)
- VOZNIUK, V. V. [Radio amateur designs] Radiolubitel'skie konstruktii. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1961. 133 p.
- [MICROFILM]
- VSESIOUZNOE OB'EDINENNOE SOVESHCHANIE PO AVTOMATIZATSII PROIZVODSTVENNYKH PROTSESSOV V MASHINOSTROENII I AVTOMATIZIROVANNOMU ELEKTROPRIVODU V PROMYSHLENNOSTI. 3d. Moscow, 1959. [Automation of production processes in the machinery industry] Avtomatizatsiia protsessov mashinostroeniia; [trudy]. Moskva, Izd-vo Akad. nauk SSSR, Vol. 3. [Machining, hardening, assembling] Obrabotka rezaniem, uprochnenie i shorka. 1963. 219 p.
- VSESIOUZNOE SOVESHCHANIE PO RAZRABOTKE NEFIANNYKH I GAZOVYKH MESTOROZHDENII. Kiev, 1961. [Practice in developing oil and gas fields] Opyt razrabotki nefiannykh i gazovykh mestorozhdenii; materialy. Moskva, Gosoptekhizdat, 1963. 489 p.
- VSESIOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NEFTEKHIMICHESKIKH PROTSESSOV. [Production of benzene] Proizvodstvo benzola; po materialam Vsesiouznogo nauchno-tekhnicheskogo soveshchaniia 1960 g. Leningrad, Goskhimizdat, 1962. 275 p.
- VSESIOUZNYI SEMINAR PO PROIZVODSTVU KONSEROV I PISHCHEVYKH KONSENTRATOV IZ KUKURUZY. Moscow, 1961. [Use of corn in the canning and concentrated food industry] Primenenie kukuruzy v konservnoi i pishchekonsentratnoi promyshlennosti; sbornik dokladov. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 37 p.
- [MICROFILM]
- VYSHESLAVTSEV, L. V., and V. M. BASTYNETS. [Oscillators for the alignment of radio receivers] Generatory dlia regulirovki radiopriemnikov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-4/2)
- [WELDING, CUTTING, AND SOLDERING] Svarka, rezka i palka. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos. 1-2, 5-8. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. Nos. M-58-17/1, M-58-20/2, M-58-105/15, M-58-241/20, M-58-236/21, M-58-307/32)
- [WINE MAKING; manual for the workers of wineries in state and collective farms in the Crimea] Vinodeliia; rukovodstvo dlia rabotnikov vinodel'cheskikh zavodov sovkhozov i kolkhhozov Kryma. Simferopol', Krymsk. dat, 1960. 415 p.
- [WORK ON TURNING, TURRET AND AUTOMATIC METAL-CUTTING MACHINES; abstracts] Tokarnye, revol'vornye i avtomatnye makiny; referativnyi sbornik. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 26 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-364/40)
- [WORK STANDARDS BASED ON TECHNICAL DATA FOR WELDING ENGINEERING PROCESSES] Tekhnicheskoe normirovanie tekhnologicheskikh protsessov v svarkovykh tsikhakh. [By] A. D. Gilevich i dr. Moskva, Mashgiz, 1962. 170 p.
- ZAITSEV, P. P. [Hydraulic duplicating devices of machine tools] Gidrokopirovalnye ustroistva metallo-rezhushchikh stankov. Moskva, Mashgiz, 1962. 135 p.
- ZASLAVSKII, I. U. Z. [Reinforcing vertical mine shafts with solid concrete] Kreplenie vertikal'nykh shakhtov shakht monolitnym betonom. Kiev, Gosoptekhizdat USSR, 1962. 100 p.
- ZASLAVSKII, V. I., and others. [UZG-2 ultrasonic equipment for machining parts made of hard materials] Ul'trazvukovaiia ustanovka UZG-2 dlia obrabotki detalей iz tvordykh materialov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8. No. M-58-267/4)
- ZEL'DOVICH, I. A. B., and others. [Jet-power impulses of powder rockets] Impul'sy reaktivnoi stily porokhovykh rakot. Moskva, Oborongiz, 1963. 180 p.
- ZELENOV, A. B., V. N. TERTICHNIKOV, and V. G. GULIAKIN. [Electric drives of rolling mills; choice of the power rating of electric motors and calculation of the parameters of amplidyne control networks] Elektropriivod melkianizmov prokatnykh stannov; vybor moshchnosti dvigatel'ei i raschet parametrov skhem elektromashinogo upravleniia. Pod obshchei red. A. B. Zelenova. Khar'kov, Metallurgizdat, 1963. 344 p.
- ZEMBLINOV, S. V., and STRAKOVSKII, I. I. [Abstract plans for the layout of station and junction components] Abstraktsionnye elementy stantsii i uzlov. Izd. 3., perer. i dop. Moskva, Transzheldorizdat, 1962. 69 p.
- ZHDANOVA, E. A., and P. F. D'ACHENKO. [Ferment preparations in the dairy industry] Fermentnye preparaty v molochnoi promyshlennosti. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 61 p.
- [MICROFILM]
- ZHMERIN, D. G. [Electrification in the national economy of the R. S. F. S. R.] Elektrifikatsiia narodnogo khoziaistva RSFSR. Moskva, Izd-vo "Sovetskaiia shkola," 1962. 93 p. (Resheniia XXII s'ezda KPSS - v zhizn')
- ZHINKIN, G. N., and N. A. PERETRUKHIN. [Roadbed construction in permafrost regions] Sooruzhenie zemitnogo polozna zholoznykh dorog v rafonakh vechnoi morzloty; uchebnoe posobie po kursu "Stroitel'stvo zholoznykh dorog" dlia studentov dnevnogo, vechernego i zaochnogo obucheniia. Leningrad, Leningr. in-t inzhenerov zhel-dor. transporta im. V. N. Ostratsova, 1961. 61 p.
- ZHITKOV, A. V. [Wood preparation for the manufacture of cellulose and woodpulp] Podgotovka drevessiny dlia proizvodstva tsellulozy i drevessnoi massy. Moskva, Goslesbumizdat, 1962. 132 p.
- ZHMUD', A. E. [Screw pumps with cycloid engagement] Vintovye nasosy s tsikloidal'nyim zatsopleniem. Izd. 3., perer. i dop. Moskva, Mashgiz, 1963. 163 p.
- ZHUKOV, A. I., I. L. MONGAIT, and I. D. RODZILISH. [Sewerage at industrial enterprises; purification of industrial sewage] Kanalizatsiia promyshlennykh predpriatii; oshishka promyshlennykh stochnykh vod. Moskva, Gosstroizdat, 1962. 602 p.

ZHUKOV, A. V. [Artificial porous aggregates made of rocks] *Iskusstvennye poristyie zapolniteli iz gornykh porod.* Kiev, Gosstroizdat, 1962. 308 p.

ZHUKOV, V. P., P. A. LEONT'EV, and Z. V. KHRIPUSHIN. [Manual for joiners and carpenters] *Spravochnik stolara i plotnika.* [Voronezh] Voronezhskoe knizhnoe izd-vo, 1962. 271 p.

ZIUZIN, V. I. [Mechanical and hoisting-conveying equipment of blast furnaces] *Mekhanicheskoe i pod'emno-transportnoe oborudovanie domennykh tsekhov.* Moskva, Metallurgizdat, 1962. 419 p.

ZLATKIN, V. P., and S. I. A. TISHCHENKO. [Practice in constructing gas mains under conditions present in the northwestern U. S. S. R.] *Opyt stroitel'stva magistral'nykh gazoprovodov v usloviakh severozapadnykh raionov SSSR.* Leningrad, Gostoptekhizdat, 1962. 144 p.

ZLOBINSKII, B. M., and N. S. NEMTSOV. [Labor protection in metallurgical shops using radioisotopes] *Obrana truda pri ispol'zovanii radioaktivnykh izotopov v metallurgicheskikh tsekhakh.* Moskva, Metallurgizdat, 1962. 61 p. (Biblioteka po okhrane truda v metallurgii)

ZUBOV, I. P. [Stability of the thermal e.m.f. force in chromel-alumel thermocouples in a 300-1000° temperature range] *Stabil'nost' T. E. D. S. khromel'-allumelevykh termopar v intervale 300-1000.* Moskva, Filial Vses. in-ta nauchn. tekhn. informatsii, 1957. 32 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-57-20/5)

17. MILITARY & NAVAL SCIENCES

AKIMOV, P. P. [Marine power plants] *Sudovye silovye ustanovki.* Moskva, Izd-vo "Morskoi transport," 1962. 595 p.

BOLOTIN, D. N., and M. M. FARAFONOV. [Monuments and repositories of military glory in Leningrad] *Pamiatniki i khramishche bovoi slavy v Leningrade.* Leningrad, Ob-vo po rasprostraneniю polit. i nauchn. znaniy RSFSR, 1962. 115 p.

BULANOV, A. V., comp. [Captain's notebook with pertinent data] *Pamiatnaya knizhka kapitana.* Red. M. A. Sutyryn. Moskva, Izd-vo "Rechnoi transport," 1962. 319 p.

CHEREPANOV, A. I. [Below Pskov and Narva, February 1918] *Pod Pskovom i Narvov, fevral' 1918 g.* Moskva, Voenizdat, 1963. 146 p.

D'ACHENKO, M. I. [Individual approach in the training of soldiers] *Individual'nyi podkhod v vospitanii voynov.* Moskva, Voenizdat, 1962. 117 p.

FAVOROV, P. A., A. S. BONDARENKO, and L. N. SHUTKIN, comps. [English-Russian dictionary on submarines and antisubmarine defense] *Anglo-russkii slovar' po podvodnym lodkam i protivolodochnoi obrone.* Pod red. A. I. Rodionova. Moskva, Voenizdat, 1963. 260 p.

[HEROES AND EXPLOITS] *Geroi i podvigi.* Moskva, Voenizdat, 1963. 370 p.

[IN THE SKY ABOVE THE FRONT LINES] *V nebe frontovom; sbornik vospominanii sovetskikh letchits uchastnits Velikoi Otechestvennoi voyny.* [Moskva] Izd-vo "Molodaya gvardiya," 1962. 295 p.

KARBYSHV, D. M. [Selected scientific works] *Izbrannye nauchnye trudy.* Moskva, Voenizdat, 1962. 703 p.

KRAMER, M. V. [Tables of tidal changes caused by the sun and the moon on a solid earth in 1962 (for a point with coordinates 50° N. lat., 0° long.)] *Tablitsy prilivnykh izmenenii sily tiazhesti ot luny i solntsa dlia absolutno tverdogo Zemli na 1962. g. (dlia punkta s koordinatami $\varphi = 50^\circ$ s. sh.; $\lambda = 0^\circ$)* Moskva, Akad. nauk SSSR, 1962. 49 p. [With summary in English]

KRINTSYN, F. S. [The Battle of Cosme] *Chesmenskoe srazhenie.* Moskva, Voenizdat, 1962. 61 p. (Geroi-cheskoe proshloe nashoi Rodiny)

KUMANIN, M. F. [We are sending the ships to sea] *Opravleniye v pokhod korabli.* Moskva, Voenizdat, 1962. 99 p. (Voennye memuary)

LAZHECHNIKOVA, E. A. [Pension insurance for servicemen under the law on state pensions] *Pensionnoe obespecheniye voennosluzhashchikh po zakonu o gosudarstvennykh pensiiakh.* Moskva, Gosizdat, 1962. 65 p. (Iuridicheskoe konsultatsii dlia naseleniia v voprosakh i otvetakh)

[MOVEMENT CONTROL IN THE MERCHANT MARINE] *Organizatsiia dvizheniia morskogo flota.* [By] S. M. Topchii, G. F. Shulianskii, A. F. Mironenko. Moskva, Izd-vo "Morskoi transport," 1962. 287 p.

PAVLOV, A. N. [Making ship models] *Postroika modeli sudov.* Moskva, Izd-vo DOSAAF, 1962. 49 p. (Biblioteka lunogo konstruktora)

PEREDNIA, I. N., and M. N. RIABCHIKOV. [We are soldiers doing construction work] *My - voennye stroiteli.* Moskva, Voenizdat, 1962. 48 p. (Ofitsiirski ucheby - o svoem opyte)

PERNIK, A. D. [Problems of cavitation] *Problemy kavitatsii.* [Leningrad] Sudpromgiz, 1963. 334 p.

P'LATETSKYI, V. I. [Vessels of simplified shape for restricted channels] *Sudna sproshchennykh form dlia omezhonogo farvateru.* Kyiv, Vyd-vo AN URSR, 1962. 86 p.

POLUEKTOV, V. G. [Handling of ships with underwater wings] *Upravleniye sudami na podvodnykh kryl'kakh.* Redaktor E. I. Chestnov. Moskva, Izd-vo "Tekhnol transport," 1962. 56 p.

[MICROFILM]

[RADIO ENGINEERING] *Radioelekhnika; uchebnoe posobie dlia serzhantov voisk svyazi.* [By] S. L. Davydov, I. P. Zherebtsov, F. L. Levinzon-Aleksandrov. Izd. 3., perer. i dop. Moskva, Voenizdat, 1963. 342 p.

SOFRONOV, G. P. [Airborne landings in the Second World War] *Vozdushnye desanti vo Vtoroi Mirovoi voine; kratkii voenno-istoricheskii ocherk.* Moskva, Voenizdat, 1962. 142 p.

[SUBMARINERS] *Podvodniki; sbornik ocherkov.* [Moskva] Izd-vo "Molodaya gvardiya," 1962. 173 p.

TSIREL'SON, S. A., and M. A. RAZZHAN. [Livability on board ships] *Obitaiemost' sudov.* Leningrad, Sudpromgiz, 1963. 206 p.

VANSHEIDT, V. A. [Marine internal combustion engines] *Sudovye dvigateli vnutrennego sgeraniia.* Leningrad, Sudpromgiz, 1962. 543 p.

VASIL'EV, D. K. [Equipment and devices in ship repairs] *Osnastka i prispособleniia v sudoremonte.* Leningrad, Sudpromgiz, 1963. 196 p.

ZAKHAROV, V. K. [Sailing directions] *Morskala lotsiia.* Moskva, Izd-vo "Morskoi transport," 1962. 414 p.

PART B—PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

1. GENERAL

a. SCHOLARLY JOURNALS

- AKADEMIA NAUK ARMIAŃSKOI SSR, Erivan. Izvestia, Obshchestvennye nauki [ACADEMY OF SCIENCES OF THE ARMENIAN S. S. R. Bulletin, Social Sciences]. Erivan, no. 2, Feb. 1963. [In Armenian]
- AKADEMIA NAUK GRUZINSKOI SSR, Tiflis. Soobshchenia [ACADEMY OF SCIENCES OF THE GEORGIAN S. S. R. Reports]. Tiflis, vol. 30, nos. 2-3, 1963. [In Georgian]
- AKADEMIA NAUK KIRGIZSKOI SSR, Frunze. Izvestia, Seriya estestvennykh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE KIRGHIZ S. S. R. Bulletin, Series in the Natural and Technological Sciences]. Frunze, vol. 4, no. 7, 1962.
- AKADEMIA NAUK SSSR. Vestnik [ACADEMY OF SCIENCES OF THE U. S. S. R. Journal]. Moscow, vol. 33, no. 3, March 1963.
- AKADEMIA NAUK SSSR, Irkutskii filial, Yakutsk. Nauchnye soobshchenia [ACADEMY OF SCIENCES OF THE U. S. S. R. Yakut Branch, Scientific Reports]. Yakutsk, no. 2, 1959; no. 3, 1960; no. 6, 1961; no. 7, 1962.
- AKADEMIA NAUK SSSR, Moldavskii filial, Izvestia [ACADEMY OF SCIENCES OF THE U. S. S. R. Moldavian Branch, Bulletin]. Kishinev, no. 1(70), 1961.
- AKADEMIA NAUK SSSR, Vostochno-Sibirskii filial, Irkutsk. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. East Siberian Branch, Transactions]. Moscow, no. 43, 1962. Syr'evye resursy legkikh metallov Vostochnoi Sibiri [Light Metal Deposits of Eastern Siberia], vol. 4.
- LENINGRAD. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT IMENI A. I. GERTSENA. Uchenye zapiski [A. I. HERTZEN STATE PEDAGOGICAL INSTITUTE. Studies]. Vol. 225, 1962.
- LENINGRAD. UNIVERSITET. Vestnik [UNIVERSITY. Review]. Vol. 18, no. 4, 1963. Seriya fiziki i khimii [Series in Physics and Chemistry], no. 1. Vol. 18, no. 5, 1963. Seriya ekonomiki, filosofii i prava [Series in Economics, Philosophy, and Law], no. 1.
- LYSTY DO PRIYATELIV. LETTERS TO FRIENDS. Newark, N. J., vol. 11, no. 3-4(121-122), 1963.
- MOSCOW. GORODSKOI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [MOSCOW CITY PEDAGOGICAL INSTITUTE. Studies]. Vol. 86, 1960.
- MOSCOW. MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE. Studies]. No. 153, 1960.
- TARTU. ULIKOOL. Toimetised. Uchenye zapiski Tartuskogo gosudarstvennogo universiteta [UNIVERSITY. Studies]. Nos. 115-116, 119-120, 1962.
- UKRAINS'KA VIL'NA AKADEMIA NAUK. Seriya: Ukrain's'ki vcheni [UKRAINIAN FREE ACADEMY OF SCIENCES, Series: Ukrainian Scholars]. Winnipeg, no. 11, 1962.

b. POPULAR MAGAZINES

- BARVINKO [PERIWINKLE]. Issued by Tsentral'nyi komitet Lenins'koho komunistychnoho soluzu molodi Ukrainy and Respublikans'ka rada Vsesoluznoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, no. 4, Apr. 1963.
- DADZIS [THISTLE]. Riga, nos. 5(149)-8(162), 1963. [In Latvian]
- DRUZHNO VPERED [FORWARD TOGETHER]. Issued by Kul'turna spilka ukrains'kykh trudiaschchykh Chekhoslovachchyn [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol. 13, no. 3, Mar. - 1963. [In Ukrainian]
- JAUNIMO GRETOS [THE RANKS OF YOUTH]. Issued by Lietuvos Lenino komjaunimo sąjungos Centro komitetas [Central Committee of the Lenin Communist Youth League of Lithuania]. Vilnius, no. 3(220), Mar. 1963. [In Lithuanian]
- KAPKAN; chuvashskii satiricheskiy zhurnal [TRAP; Chuvash Satirical Magazine]. Cheboksary, vol. 23, no. 5(422), Mar. 1963. [In Chuvash]
- KHOPRUSHTAK [HEDGEHOG]. Dushanbe, no. 3(118), Mar. 1963. [In Tajik]
- KIRPI [HEDGEHOG]. Baku, nos. 5(257)-6(256), Mar. 1963. [In Azerbaijani]
- KITAI [CHINA]. Published by Izdatel'stvo literatury na inostrannykh yazykakh [Publishing House for Literature in Foreign Languages]. Peking, nos. 2-3, 1963.
- KOSTER [CAMPFIRE]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzu molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, nos. 3-4, Mar. - Apr. 1963.
- KROKODIL [CROCODILE]. Issued by gazeta [Newspaper] "Pravda." Moscow, vol. 41, nos. 8(1894), 10(1896)-11(1897), Mar. - Apr. 1963.
- KUL'TURA I ZHIZN' [CULTURE AND LIFE]. Issued by Soluz sovetskikh obshchestv druzhy i kul'turnoi svyazi s zarubezhnyimi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol. 6, nos. 9, 12, 1962.
- KULTUR JA ELU [CULTURE AND LIFE]. Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametiühingute Nõukogu [Ministry of Culture of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.]. Tallinn, vol. 6, no. 4, Apr. 1963. [In Estonian]
- LIESMA [FLAME]. Issued by Latvijas LKJS Centrālā komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, nos. 3-4, Mar. - Apr. 1963. [In Latvian]
- MĒDENIET ŽĒNĒ TŪRMYS [CULTURE AND LIFE]. Issued by Ministerstvo kul'tury Kazakhskoi SSR [Ministry of Culture of the Kazakh S. S. R.]. Alma-Ata, nos. 2-3, Feb. - Mar. 1963. [In Kazakh]
- MURZILKA. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzu molodezhi and Tsentral'nyi sovet Vsesoluznoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V. I. Lenin All-Union Pioneer Organization]. Moscow, no. 4, Apr. 1963.
- MY I SVIT. WE AND THE WORLD. Toronto, vol. 15, no. 98, Jan. 1963.
- NARODNAIA RUMYNIA [PEOPLE'S ROMANIA]. Bucharest, nos. 1-3, Jan. - Mar. 1963.
- NOORUS [YOUTH]. Issued by Eesti NSV Noorsooühingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, vol. 18, no. 4(108), Apr. 1963. [In Estonian]
- OGONEK [THE LITTLE LIGHT]. Moscow, vol. 40, nos. 20(1821), 46(1847)-50(1851), 52(1853), May, Nov. - Dec. 1962; vol. 41, nos. 1(1854)-7(1860), 9(1862)-12(1865), Jan. - Mar. 1963.
- OTVETY NA VOPROSY TRUDIASHCHIKHSIA [REPLIES TO WORKERS' QUESTIONS]. Moscow, no. 12(145), Dec. 1962.
- PILT JA SONA [PICTURE AND WORD]. Tallinn, vol. 18, no. 3(201), Mar. 1963. [In Estonian]
- PIONEER [PIONEER]. Issued by ELKNU Keskkomitee and Eesti NSV Pioneerorganisatsioonide Nõukogu [Central Committee of the Lenin Communist Youth League of Estonia and the Council of the Pioneers of the Estonian S. S. R.]. Tallinn, vol. 21, no. 4(246), Apr. 1963. [In Estonian]
- PIONER [PIONEER]. Issued by the Central Committee of the Turkmenistan Communist Youth League of Lenin. Ashkhabad, nos. 2-4, Feb. - Apr. 1963. [In Turkmenian]
- PIONER [PIONEER]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluzu molodezhi and Tsentral'nyi sovet Vsesoluznoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 40, no. 4, Apr. 1963.
- PIONERIJA [PIONEERS]. Issued by Tsentral'nyi komitet Lenins'koho komunistychnoho soluzu molodi Ukrainy and Respublikans'ka Rada Vsesoluznoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol. 40, no. 4(474), Apr. 1963.
- PERETS' [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol. 23, nos. 6(497)-7(498), Mar. - Apr. 1963.
- RODINA [OUR COUNTRY]. Issued by Komitet za vztanovlenie na Rodinu i razvitie kul'turnykh svyazей s otechestvennikami [Committee for Repatriation and Development of Cultural Relations with our Countrymen]. Berlin, vol. 6, no. 2(23), Mar. - Apr. 1963.
- ROVESNIK [CONTEMPORARY]. Issued by Tsk VIKSM and Komitet molodezhnykh organizatsii SSSR [Central Committee of the All-Union Communist Youth League of Lenin and the Committee of Youth Organizations of the U. S. S. R.]. Moscow, no. 3, Mar. 1963.
- SEIATEL' [SOWER]. Published by N. Cholevskii. Pnoma, Alres, no. 105, Dec. 1962.
- SHMEL' [BUMBLEBEE]. Alma-Ata, vol. 8, no. 3(86), Mar. 1963. [In Kazakh]
- SLUOTA [THE BROOM]. Issued by Lietuvos komunistų partijos Centro komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 6(105)-8(207), Mar. - Apr. 1963. [In Lithuanian]
- SOVETSKII SOIUZ [SOVIET UNION]. Moscow, nos. 10(162), 12(164), 1962; nos. 1(155)-2(156), 4(158), 1963.

NAUKA I RELIGIJA [SCIENCE AND RELIGION]. Issued by Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znani [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 4, no. 3, Mar. 1963.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO VOPROSAM RELIGII I ATEIZMA [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF RELIGION AND ATHEISM]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1962.

RIDNA TSERKVA [OUR BELOVED CHURCH]. Issued by Bogoslovsko-naukovyi institut Ukrain's'koi avtokefal'noi pravoslavnoi tserkvi na chuzhyni [Theological Institute of the Ukrainian Autocephalous Orthodox Church Abroad]. Munich, vol. 12, no. 54, Apr.-June 1963.

ROSSIJA I VSELENSKAIA TSERKOV' [RUSSIA AND THE UNIVERSAL CHURCH]. Bruxelles, no. 4(58), Oct.-Dec. 1962.

RUSSKOE STUDENCHESKOE KHRISTIANSKOE DVIZHENIE. Vestnik [RUSSIAN STUDENTS' CHRISTIAN MOVEMENT. Messenger]. Paris, no. 68/67, Mar.-Apr. 1962.

TSERKOVNIY VESTNIK [CHURCH HERALD]. Organ of Pravoslavnaia tserkov' v Pol'she [Orthodox Church in Poland]. Warsaw, vol. 9, no. 11/12, Nov.-Dec. 1962; vol. 10, nos. 1-2, Jan.-Feb. 1963.

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi SSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol. 3, no. 3(30), Mar. 1963.

WESTERN EUROPE (EXARCHATE). Vestnik Russkogo zapadno-evropeiskogo patriarshego ekzarkhata [Messenger of the Russian West European Patriarchal Exarchate]. Paris, no. 41, Jan.-Mar. 1963.

4. HISTORY

a. GENERAL

AKADEMIJA NAUK ARMIAŅSKOI SSR, Eriyan. Istoriko-filologicheskii zhurnal [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Historical and Philological Review]. Eriyan, no. 1(20), 1963.

AKADEMIJA NAUK SSSR. Institut istorii. Leningradskoe otdelenie. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of History. Leningrad Branch. Transactions]. Moscow, no. 5, 1963. Voprosy istoriografii i istochnikovedeniia istorii SSSR [Problems in the Historiography and the Study of the Historical Sources of the U.S.S.R.].

AKADEMIJA NAUK SSSR. Institut narodov Azii. Kratkoe soobshcheniia [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Peoples of Asia. Brief reports]. Moscow, no. 60, 1962.

EVREI I EVREISKII NAROD; sbornik materialov iz sovetetskoi ezheednevoi i periodicheskoi pechati [JEWS AND THE JEWISH PEOPLE; Materials from the Soviet Daily and Periodical Press]. London, vol. 1, no. 2, 1960; vol. 2, no. 1, 1962.

INSTITUT ZUR ERFORSCHUNG DER UdSSR. Materialy i soobshcheniia issledovatel'skogo otdela [INSTITUTE FOR THE STUDY OF THE U.S.S.R. Materials and Reports of the Research Department]. Munich, no. 40, Dec. 1962.

NOVAIA I NOVEISHAIA ISTORIJA [MODERN AND RECENT HISTORY]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1963.

NOVAIA INOSTRANNAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI [NEW FOREIGN LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, 1963.

NOVAIA SOVETSKAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI [NEW SOVIET LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1962; no. 1, 1963.

OBSHCHESTVO RUSSKIKH VETERANOV VELIKOI VOINY, San Francisco. Vestnik [SOCIETY OF RUSSIAN VETERANS OF THE GREAT WAR. Herald]. San Francisco, no. 225, Dec. 1962.

UKRAINS'KYI ISTORYCHNYI ZHURNAL [UKRAINIAN HISTORICAL JOURNAL]. Issued by Institut istorii Akademii nauk URSS [Institute of History of the Academy of Sciences of the Ukrainian S.S.R.] and others. Kiev, vol. 6, no. 1, Jan.-Feb. 1963.

VOPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdelenie istoricheskikh nauk Akademii nauk SSSR [Department of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 38, no. 3, March 1963.

b. ARCHAEOLOGY & ANTIQUITIES

AKADEMIJA NAUK SSSR. Institut arkheologii. Kratkoe soobshcheniia o dakh i polevykh issledovaniakh [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]. Moscow, no. 92, 1962.

ARKHEOLOGICHESKII SBORNIK [ARCHAEOLOGICAL PAPERS]. Issued by Gosudarstvennyi Ermitazh [State Hermitage]. Leningrad, no. 4, 1962.

MATERIALY I ISSLEDOVANIA PO ARKHEOLOGII SSSR [MATERIALS AND RESEARCH IN THE ARCHAEOLOGY OF THE U.S.S.R.]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 115, 1962.

No. 119, 1963.

Contents: Spegal'skii, I. U. P. [Stone dwelling houses of the 17th century in Pskov] Pskovskoe kamennye zhiye zdaniia XVII v. 172 p.

NUMIZMATIKA I EPIGRAFIKA [NUMISMATICS AND EPIGRAPHY]. Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, 1962.

5. SOCIAL SCIENCES

a. COMMERCE

BUKHGALTERSKII UCHEST [ACCOUNTING]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 20, nos. 2-3, Feb.-Mar. 1963.

KOOPERATOR KAZAKHSTANA [THE COOPERATIVE WORKER OF KAZAKHSTAN]. Issued by Soluz potrebitel'skikh obshchestv Kazakhskoi SSR [Association of Consumer Societies of the Kazakh S.S.R.]. Alma-Ata, vol. 5, no. 1, Jan. 1963.

SOVETSKAIA TORGOVLIA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet po torgovle pri Sovete narodnogo khoziaistva SSSR [State Committee for Commerce, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol. 36, no. 3, Mar. 1963.

TORGOVLIA ZA RUBEZHOM; organizatsiia, novye metody, tekhnika torgovli i massovogo pitaniia [TRADE ABROAD; Organization, New Methods, and Equipment of Trade and Public Food Service]. Moscow, no. 4, 1963.

b. ECONOMICS

EKONOMIKA RADIANS'KOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Institut ekonomiki Akademii nauk URSS [Institute of Economics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 1, Jan.-Feb. 1963.

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, nos. 2(52)-3(53), Feb.-Mar. 1963. [In Lithuanian]

MIROVAIA EKONOMIKA I MEZHODUNARODNYE OTNOSHENiIA [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1963.

MOSCOW. VSESIOIUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT EKONOMIKI SEL'SKOGO KHOZIAISTVA. Doklady i soobshcheniia [ALL-UNION SCIENTIFIC INSTITUTE OF AGRICULTURAL ECONOMICS. Reports and Papers]. No. 13, 1962.

NARODNOE KHOZIAISTVO UZBEKISTANA [THE NATIONAL ECONOMY OF UZBEKISTAN]. Issued by Gosudarstvennaia planovaiia komissia Soveta Ministrov Uzbekskoi SSR [State Planning Commission of the Council of Ministers of the Uzbek S.S.R.]. Tashkent, vol. 5, no. 3, Mar. 1963.

NOVAIA INOSTRANNAIA EKONOMICHESKAIA LITERATURA [NEW FOREIGN ECONOMIC LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1962; nos. 1-2, 1963.

NOVAIA SOVETSKAIA EKONOMICHESKAIA LITERATURA [NEW SOVIET ECONOMIC LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2, 1963.

PLANOVOE KHOZIAISTVO [PLANNED ECONOMY]. Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.]. Moscow, vol. 40, no. 4, Apr. 1963.

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.

SOVETSKAIA POTREBITEL'SKAIA KOOPERATSIIA [SOVIET CONSUMER COOPERATION]. Issued by Tsentral'nyi soluz potrebitel'skikh obshchestv SSSR [Central Union of Consumers Societies of the U.S.S.R.]. Moscow, vol. 7, no. 4, Apr. 1963.

VESTNIK STATISTIKI [STATISTICAL REVIEW]. Organ of Tsentral'noe statisticheskoe upravlenie SSSR [Central Statistical Administration of the U.S.S.R.]. Moscow, no. 3, 1963.

VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS]. Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, Feb.-Mar. 1963.

c. FINANCE

DEN'GI I KREDIT [MONEY AND CREDIT]. Published by Gosudarstvennyi bank SSSR [U.S.S.R. State bank]. Moscow, vol. 21, no. 3, Mar. 1963.

d. LABOR

RABOTNITSA [THE WOMAN WORKER]. Published by Izd-vo [Publishing House] "Pravda." Moscow, vol. 40, no. 6, June 1962; no. 1, Jan. 1963.

SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems]. Moscow, vol. 8, no. 3, Mar. 1963.

SOVETSKIE PROFSOIUZY [SOVIET TRADE UNIONS]. Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 19, no. 6(264), Mar. 1963.

VSEMIRONOE PROFSOIUZNOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT]. Organ of Vsemirovnaia federatsiia profsoiuzov [World Federation of Trade Unions]. Moscow, nos. 1, 3, Jan., Mar. 1963.

e. SOCIOLOGY

AZERBAIJAN GADYNY [AZERBAIJAN WOMAN]. Issued by Tsentral'nyi komitet Kommunisticheskoi Partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 3, Mar. 1963. [In Azerbaijani]

KAZAKHSTAN ELDERI [KAZAKHSTAN WOMAN]. Alma-Ata, no. 3, Mar. 1963. [In Kazakh]

KLUB [THE CLUB]. Organ of Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 11, no. 3, March 1962; vol. 12, nos. 9, 11-12, Sep., Nov., Dec. 1962; vol. 12, no. 3, March 1963.

KOMSOMOL'SKAYA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 13, July 1962; nos. 3, 5, 7 Feb. - Apr. 1963.

KYRGYZSTAN AIALDARY [KIRGHIZISTAN WOMAN]. Krunch, vol. 13, no. 3(107), Mar. 1963. [In Kirghiz]

NASH SVIT. OUR WORLD. Published by "Selfreliance," an Association of American Ukrainians, and the Ukrainian Economic Advisory Assoc., Inc. New York, vol. 4(13), no. 10/20, Dec. 1962; vol. 5(14), no. 1(111), Jan. 1963.

NOUKOGUDE NAIN [SOVIET WOMAN]. Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, no. 4, 1963. [In Estonian]

PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas komunistiskas partijas Centrala komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 3(127), Mar. 1963. [In Latvian]

RADIANS'KA ZHINKA [SOVIET WOMAN]. Issued by Ukrain's'ka respublikans'ka rada professiynykh spilok and Spilka radians'kykh pys'mennyky Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol. 18, no. 3(207), Mar. 1963.

SMENA [THE YOUNGER GENERATION]. Organ of Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 39, nos. 10, 22, 24, Oct. - Dec. 1962; vol. 40, nos. 1, 3-6, Jan. - Mar. 1963.

SOVET TURKMENISTANYNYN AIALLARY [SOVIET TURKMENISTAN WOMAN]. Organ of TsK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, no. 3(117), Mar. 1963. [In Turkmen]

SOVETSKAYA ZHENSCHINA [SOVIET WOMAN]. Organ of Komitet sovet'skikh zhenshchin and Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [Committee of Soviet Women and the All-Union Central Council of Trade Unions]. Moscow, vol. 19, no. 5, 1963.

SOVETSKII KRASNII KREST [SOVIET RED CROSS]. Organ of Ispolnitel'nyi komitet Soluza obshchestv Krasnogo kresta i Krasnogo polumesltsa SSSR [Executive Committee of the Association of Societies of the Red Cross and Red Crescent of the U.S.S.R.]. Moscow, vol. 12, no. 5(85), Sep. - Oct. 1962.

TARYBINE MOTERIS [SOVIET WOMAN]. Issued by Lietuvos komunistu partijos Centro komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 2(134), Feb. 1963. [In Lithuanian]

ZMINA [THE YOUNGER GENERATION]. Issued by Tsentral'nyi komitet Lenins'koho komunistychnoho soluzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, nos. 3(120)-4(121), Mar. - Apr. 1963.

6. POLITICAL SCIENCE

BOR'BA [THE STRUGGLE]. Organ of Soluz bor'by za osvobodhenie narodov Rossii [Union of the Struggle for the Liberation of the Peoples of Russia]. Munich, vol. 17, no. 1(66), Mar. 1963.

EESTI KOMMUNIST [COMMUNIST OF ESTONIA]. Issued by Eestilmaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 19, nos. 2-3, Feb. - Mar. 1963. [In Estonian]

KAZAKSTAN KOMMUNISI [COMMUNIST OF KAZAKHSTAN]. Issued by the Communist Party of Kazakhstan, Alma-Ata, vol. 42, no. 3, Mar. 1963. [In Kazakh]

KOMMUNIST [COMMUNIST]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania]. Vilnius, vol. 45, no. 3(465), Mar. 1963.

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 37, no. 3, Mar. 1963. [In Kirghiz]

KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 36, no. 5, May 1962; vol. 37, no. 1, Jan. 1963.

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA]. Issued by TsK Kompartii Estonii [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 19, no. 3, Mar. 1963.

KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 17, no. 7, July 1962; vol. 18, no. 4, Apr. 1963.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]. Issued by the Central Committee of the Communist Party of Tajikistan, Dushanbe, vol. 28, no. 3, Mar. 1963. [In Tajik]

KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by Tsentral'nyi komitet Komunistychnoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 38, no. 4, Apr. 1963. [In Ukrainian]

LENINIAN UGIOV [LENIN'S WAY]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Erivan, vol. 42, no. 3, Mar. 1963. [In Armenian]

MEZHDUNARODNAIA ZHIZN' [INTERNATIONAL LIFE]. Published by Vsesoluznoe obshchestvo po rasprostraneniui politicheskikh i nauchnykh znanii [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 10, no. 4, Apr. 1963.

MOSCOW. Ispolnitel'nyi komitet. Bulletin' [Executive Committee. Bulletin]. No. 6(516), Mar. 1963.

NOVOE VREMIA [NEW TIMES]. Moscow, vol. 20, nos. 14(932)-16(934), Apr. 1963.

PADOMJU LATVIJAS KOMUNISTI [COMMUNIST OF SOVIET LATVIA]. Issued by Latvijas komunistiskas partijas Centrala komiteja [Central Committee of the Communist Party of Latvia]. Riga, vol. 18, no. 4, Apr. 1963. [In Latvian]

PARTIJA TURMUSHI [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, no. 3, Mar. 1963. [In Uzbek]

PARTIUNAIA ZHIZN' [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soluza [Central Committee of the Communist Party of the Soviet Union]. Moscow, nos. 6-7, Mar. - Apr. 1963.

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION]. Issued by Tsentral'nyi komitet Kommunisticheskoi partii Sovetskogo Soluza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 7, no. 2, Feb. 1963.

PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM]. Prague, vol. 6, no. 4(56), Apr. 1963.

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 7, nos. 13(235)-14(236), Apr. 1963.

RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 26, nos. 17 (1156)-18(1157), Apr. - May 1963.

TURKMENISTAN KOMMUNISTI [COMMUNIST OF TURKMENISTAN]. Organ of the Central Committee of the Communist Party of Turkmenistan, Ashkhabad, vol. 38, no. 3, Mar. 1963. [In Turkmen]

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN]. Issued by the Central Committee of the Communist Party of Uzbekistan, Tashkent, vol. 35, no. 3, Mar. 1963. [In Uzbek]

VIL'NA UKRAINA [FREE UKRAINE]. Issued by Ukraine'ka vil'na hromada v Amerytsi [Ukrainian Free Society of America]. Detroit, no. 35/36, 1962.

VISNYK. THE HERALD. Organ of Organizatsiia oborony chotyri'okh svobid Ukrainy [Organization for Defense of the Four Freedoms for the Ukraine, Inc.]. New York, vol. 16, no. 11(169), Dec. 1962; vol. 17, no. 2 (171), Feb. 1963.

VOPROSY ISTORII KPSS [PROBLEMS OF THE HISTORY OF THE COMMUNIST PARTY OF THE SOVIET UNION]. Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 7, no. 3, Mar. 1963.

7. LAW

SOTSIALISTICHESKAYA ZAKONNOST' [SOCIALIST LEGALITY]. Organ of Prokuratura SSSR [Attorney General's Office of the U. S. S. R.]. Moscow, vol. 39, no. 10, Oct. 1962.

SOVETSKAYA IUSTITSHA [SOVIET JUSTICE]. Issued by Ministerstvo iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R. S. F. S. R.]. Moscow, nos. 4, 6-7, Feb., Mar. - Apr. 1963.

SOVETSKOE GOSUDARSTVO I PRAVO [SOVIET STATE AND LAW]. Organ of Institut gosudarstva i prava Akademii nauk SSSR [Institute of State and Law of the Academy of Sciences of the U. S. S. R.]. Moscow, vol. 33, no. 4, Apr. 1963.

SVERDLOVSK. IURIDICHESKII INSTITUT. Uchenye trudy [JURIDICAL INSTITUTE. Studies]. Vol. 4, 1961. Contents: Livchak, B. F. [Home Guard in the Russian Armed Forces, 1806-1856] Narodnoe opolchenie v vooruzhennykh silakh Rossii, 1806-1856 gg. 276 p.

Vol. 6, 1961. Contents: Krasavchikov, O. A. [Soviet science of civil law: concept, subject, structure, and system] Sovetskaya nauka grazhdanskogo prava: poniatie, predmet, sostav i sistema. 379 p.

8. EDUCATION

a. GENERAL

AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Doklady [ACADEMY OF PEDAGOGICAL SCIENCES OF THE R. S. F. S. R. Reports]. Moscow, vol. 6, no. 6, 1962.

AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow. Izvestia [ACADEMY OF PEDAGOGICAL SCIENCES OF THE R. S. F. S. R. Bulletin]. Moscow, no. 124, 1962. Contents: Baranov, M. T., Mamushin, V. E. [Problems in the study of Russian vocabulary in the eight-year school] Voprosy izucheniia lektsii russkogo iazyka v vos'miletnei shkole. 182 p.

DOSHKL'NE VYKHOVANNIA [PRESCHOOL EDUCATION]. Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S. S. R.]. Kiev, vol. 24, no. 2, Feb. 1963.

KUL'TURNO-PROSVETITEL'NAYA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.]. Moscow, vol. 24, nos. 1, 3, Jan., Mar. 1963.

NOUKOGUDE KOOL [SOVIET SCHOOL]. Issued by Eesti Nougude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S. S. R.]. Tallinn, no. 4, Apr. 1963. [In Estonian]

PADOMJU LATVIJAS SKOLA [THE SCHOOL IN SOVIET LATVIA]. Issued by LPSR Izglitiba ministrija [Ministry of Education of the Latvian S. S. R.]. Riga, no. 3, Mar. 1963. [In Latvian]

RADIANS'KA SHKOLA [SOVIET SCHOOL]. Organ of Ministerstvo osvity Ukraine'ko RSR [Ministry of Education of the Ukrainian S. S. R.]. Kiev, vol. 41, nos. 1-2, Jan. - Feb. 1963.

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovan'ia. Bulletin' [Ministry of Higher and Secondary Specialized Education. Bulletin]. Moscow, no. 3, Mar. 1963.

SEM'IA I SHKOLA [FAMILY AND SCHOOL]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, vol. 18, no. 3, Mar. 1963.

SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY]. Issued by Ministerstvo prosveshchenia RSFSR po voprosam trudovogo vospitaniia politehnicheskogo i proizvodstvennogo obrazovaniia [Ministry of Education of the R. S. F. S. R. on Problems in Labor Training Through the System of Polytechnic and Industrial Education]. Moscow, vol. 6, nos. 11-12, Nov.-Dec. 1962.

SOVET MAKTABI [SOVIET SCHOOL]. Organ of Ministerstvo prosveshchenia Uzbekskoi SSR [Ministry of Education of the Uzbek S. S. R.]. Tashkent, no. 3, Mar. 1963. [In Uzbek]

SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, vol. 27, nos. 2-3, Feb.-Mar. 1963.

SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 10, nos. 2-3, Feb.-Mar. 1963.

TARYBINE MOKYKLA [SOVIET SCHOOL]. Organ of Lietuvos TSR Svetimo ministerija [Ministry of Education of the Lithuanian S. S. R.]. Vilnius, no. 3, Mar. 1963. [In Lithuanian]

VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 21, no. 4, Apr. 1963.

b. PHYSICAL EDUCATION & GAMES

FIZICHESKAIA KUL'TURA V SHKOLE [PHYSICAL EDUCATION IN SCHOOLS]. Issued by Ministerstvo prosveshchenia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 4, Apr. 1963.

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Soluz sportyvykh tovarystv i organizatsii URSR [Union of Sports Associations and Organizations of the Ukrainian S. S. R.]. Kiev, no. 4, Apr. 1963. [In Ukrainian]

FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Tsentral'nyi Sovet Soluza sportyvykh obshchestv i organizatsii SSSR [Central Council of the Union of Sports Associations and Organizations of the U. S. S. R.]. Moscow, no. 4(778), Apr. 1963.

LEGAIA ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of Tsentral'nyi sovet Soluza sportyvykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 9, no. 3(94), Mar. 1963.

SHAKHMATNYI BULLETEN' [CHESS BULLETIN]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U. S. S. R.]. Moscow, vol. 9, nos. 3-4, Mar.-Apr. 1963.

SHAKHMATY [CHESS]. Issued by Soluz sportyvykh obshchestv i organizatsii i Shakhmatnaia federatsiia Latviskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S. S. R.]. Riga, no. 8(78), Mar. 1963.

SHAKHMATY V SSSR [CHESS IN THE U. S. S. R.]. Organ of Shakhmatnaia federatsiia SSSR [Chess Federation of the U. S. S. R.]. Moscow, vol. 40, no. 4, Apr. 1963.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vserossiiskii sovet Soluza sportyvykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 7, no. 4, 1963.

TEORIIA I PRAKTIKA FIZICHESKOI KUL'TURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of Tsentral'nyi sovet Soluza sportyvykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 26, no. 2, Feb. 1963.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

KINOMEKHANIK [MOTION-PICTURE OPERATOR]. Issued by Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, nos. 3-4, Mar.-Apr. 1963.

SOVETSKII EKLAN [THE SOVIET SCREEN]. Organ of Ministerstvo kul'tury SSSR and Soluz rabotnikov kinematografii SSSR [Ministry of Culture of the U. S. S. R. and the Union of Motion-Picture Workers of the U. S. S. R.]. Moscow, nos. 7(151)-8(152), Apr. 1963.

TEKHNIKA KINO I TELEVIDENIIA [MOTION-PICTURE AND TELEVISION ENGINEERING]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, vol. 7, nos. 2-3, Feb.-Mar. 1963.

b. MUSIC

LETOPIS' MUZYKAL'NOI LITERATURY [CHRONICLE OF MUSICAL LITERATURE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 1, 1963.

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soluz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U. S. S. R. and the Ministry of Culture of the U. S. S. R.]. Moscow, vol. 6, no. 7, Apr. 1963.

c. THEATER

KHUDOZHESTVENNAIA SAMODEIATEL'NOST' [AMATEUR ART ACTIVITIES]. Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 6, nos. 2-3, Feb.-Mar. 1963.

MOLODEZHNAIA ESTRADA [YOUNG PEOPLE'S STAGE]. Published by "Molodaia gvardiia" ["Young guard"]. Moscow, no. 2(116), 1963.

SOVETSKII TSIRK [THE SOVIET CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, vol. 7, no. 3(66), Mar. 1963.

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.] and others. Moscow, nos. 7-8, Apr. 1963.

10. FINE ARTS

a. GENERAL

DEKORATIVNOE ISKUSSTVO SSSR [DECORATIVE ART OF THE U. S. S. R.]. Issued by Soluz khudozhnikov SSSR [Association of Artists of the U. S. S. R.]. Moscow, no. 3(64), Mar. 1963.

ISKUSSTVO [ART]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.] and others. Moscow, vol. 26, no. 1, 1963.

KHUDOZHNIK [ARTIST]. Issued by Soluz khudozhnikov RSFSR [Association of Artists of the R. S. F. S. R.]. Moscow, nos. 3-4, 1963.

LETOPIS' IZOBRAZITEL'NOGO ISKUSSTVA [CHRONICLE OF FINE ARTS]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 1, 1963.

MOSCOW. VSESOUZNAIA TSENTRAL'NAIA NAUCHNO-ISSLEDOVATEL'SKAIA LABORATORIIA PO KONSERVATsii I RESTAVRATsii MUZEINYKH KHUDOZHESTVENNYKH TSENNOSTEI. Soobshcheniia [ALL-UNION CENTRAL SCIENTIFIC RESEARCH LABORATORY ON THE CONSERVATION AND RESTORATION OF MUSEUM ART TREASURES. Reports]. Moscow, no. 1, 1960; no. 4, 1961.

SOVETAKAN ARVEST [SOVIET ART]. Issued by Ministerstvo kul'tury Armianskoi SSR [Ministry of Culture of the Armenian S. S. R.]. Erivan, no. 2, 1963. [In Armenian]

TVORCHESTVO [CREATIVE WORK]. Issued by Soluz khudozhnikov SSSR [Association of Artists of the U. S. S. R.]. Moscow, no. 3(75), 1963.

b. ARCHITECTURE

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Vestnik vysshiikh uchebnykh zavodov; stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Construction and Architecture]. Moscow, vol. 6, no. 1, 1963.

STROITEL'STVO I ARKHITEKTURA [CONSTRUCTION AND ARCHITECTURE]. Issued by Gosudarstvennyi komitet Soveta Ministrov USSR po delam stroitel'stva and Soluz arkhitektorov Ukrainy [State Committee of the Council of Ministers of the Ukrainian S. S. R. for Construction and the Association of Architects of the Ukraine]. Kiev, vol. 10, no. 7(91), July 1962; vol. 11, no. 2, Feb. 1963.

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodskogo soveta deputatov trudiashechikh [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol. 24, nos. 1, 9, Jan., Sep. 1962; vol. 25, no. 3, Mar. 1963.

STROITEL'STVO I ARKHITEKTURA MOSKVI [CONSTRUCTION AND ARCHITECTURE IN MOSCOW]. Issued by Ispolkom Moskovskogo gorodskogo soveta deputatov trudiashechikh [Executive Committee of the Moscow City Soviet of Workers' Deputies]. Moscow, vol. 11, no. 8, Aug. 1962; vol. 12, nos. 2-3, Feb.-Mar. 1963.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

DOSLIDZHENiIA I MATERIALY Z UKRAINS'KOI MOVI [STUDIES AND MATERIALS ON THE UKRAINIAN LANGUAGE]. Issued by Instytut auspi'nykh nauk Akademii nauk URSR [Institute of Social Sciences of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 5, 1962.

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]. Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanduse Liit [Academy of Sciences of the Estonian S. S. R. and the Association of Writers of the Estonian S. S. R.]. Tallinn, vol. 6, no. 3, Mar. 1963. [In Estonian]

NOVAIA INOSTRANNAIA LITERATURA PO IAZYKOZNAANIU [NEW FOREIGN LITERATURE ON LINGUISTICS]. Issued by Fundamental'naiia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, 1962; no. 1, 1963.

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNAANIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naiia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 1-2, 1963.

RUSSKII IAZYK V NATSIONAL'NOI SHKOLE [THE RUSSIAN LANGUAGE IN NON-RUSSIAN SCHOOLS]. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, no. 2, 1963.

UKRAINS'KA MOVA V SHKOLI [UKRAINIAN LANGUAGE IN SCHOOLS]. Organ of Ministerstvo osvity URSR [Ministry of Education of the Ukrainian S. S. R.]. Kiev, vol. 13, no. 1, Jan.-Feb. 1963. [In Ukrainian]

b. LITERATURE & FOLKLORE

ALA-TOO; Iternurno-khudozhestvennyi i obshchestvenno-politicheskii zhurnal [ALA-TAU; Literary and Socio-political Magazine]. Organ of Soluz pisatel'ov Kirgizii and Ministerstvo kul'tury Kirgizskoi SSR [Association of Writers of Kirghizia and the Ministry of Culture of the Kirghiz S. S. R.]. Frunze, vol. 32, no. 3, Mar. 1963. [In Kirghiz]

AZERBAIJCHAN [AZERBAIJIAN]. Organ of Soluz pisatel'ov Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, no. 3, Mar. 1963. [In Azerbaijani]

DROSHA [THE BANNER]. Published by the Publishing House of the Central Committee of the Communist Party of Georgia. Tiflis, no. 3(140), Mar. 1963. [In Georgian]

KAROGS [THE BANNER]. Issued by Latvijas padomju rakstnieku savienība [Association of Writers of Latvia]. Riga, no. 4, Apr. 1963. [In Latvian]

KUBAN'; literaturno-khudozhestvennyi al'manakh [KUBAN; Literary Almanac]. Issued by Krasnodarskoe kraevoe otdelenie Soluza pisatelei RSFSR [Krasnodar Territory Branch of the Association of Writers of the R. S. F. S. R.]. Krasnodar, no. 2(25), 1960.

LITERATURA V SHKOLE [LITERATURE IN SCHOOLS]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 24, no. 2, Mar. - Apr. 1963.

LITERATURNAYA ARMENIA [LITERARY ARMENIA]. Organ of Soluz pisatelei Armenii [Association of Writers of Armenia]. Eriyan, no. 2, Feb. 1963.

LITERATURNAYA GRUZHIA [LITERARY GEORGIA]. Organ of Soluz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol. 7, nos. 2-3, Feb. - Mar. 1963.

LITERATURNAYA RIAZAN' [LITERARY RIAZAN]. Issued by Riazanskoe oblastnoe literaturnoe ob'edinenie [Ryazan Province Literary Association]. Ryzan, vol. 3, 1959.

LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIDZHAN]. Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, vol. 21, nos. 3-4, Mar. - Apr. 1963.

LITERATURNYI KIRGIZSTAN [LITERARY KIRGIZSTAN]. Organ of Soluz pisatelei Kirgizii [Association of Writers of Kirghizia]. Frunze, vol. 9, no. 1(49), Jan. - Mar. 1963.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S. S. R.]. Tallinn, no. 4, Apr. 1963. [In Estonian]

MOKSHA; literaturno-khudozhestvennai i obshchestvenno-politicheskaia zhurnal [MOKSHA; Literary and Socio-political Almanac]. Saransk, no. 1, Jan. - Feb. 1963. [In Mordvinian]

MOLODOI LENINGRAD; al'manakh [YOUNG LENINGRAD; Almanac]. Published by "Sovetskii pisatel'." Leningrad, for 1962.

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, 1962; nos. 1-2, 1963.

NOVAIA SOVETSKAIA LITERATURA PO LITERATUROVEDENIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 12, 1962; nos. 1-2, 1963.

POLYMIA [FLAME]. Organ of Soluz pis'mennikov DSSR [Association of Writers of the White Russian S. S. R.]. Minsk, vol. 41, no. 3, Mar. 1963.

PROSTOR [WIDE-OPEN SPACES]. Organ of Soluz pisatelei Kazakhstana [Association of Writers of Kazakhstan]. Alma-Ata, vol. 30, no. 2, Feb. 1963.

PUNALIPPU [THE RED BANNER]. Issued by the Association of Soviet Writers of the Karelo-Finnish S. S. R. Petrozavodsk, vol. 20, no. 2, 1963. [In Finnish]

RADIANS'KE LITERATUROZNAVSTVO [SOVIET LITERARY REVIEW]. Organ of Instytut literatury im. T. H. Shevchenka Akademii nauk URSR and Spilka pis'mennykh Ukrainy [Shevchenko Institute of Literature of the Academy of Sciences of the Ukrainian S. S. R. and the Association of Writers of the Ukraine]. Kiev, vol. 7, no. 1, Jan. - Feb. 1963.

SHARK IULDUZI [STAR OF THE EAST]. Organ of the Association of Soviet Writers of Uzbekistan, Tashkent, vol. 31, no. 3, Mar. 1963. [In Uzbek]

SHANKI SURKH [THE RED EAST]. Organ of the Association of Writers of Tajikistan, Dushanbe, no. 2, Feb. 1963. [In Tajik]

SIBIRSKIE OGNI [SIBERIAN LIGHTS]. Organ of Novosibirskoe otdelenie Soluza pisatelei RSFSR [Novosibirsk Branch of the Association of Writers of the R. S. F. S. R.]. Novosibirsk, vol. 42, no. 4, Apr. 1963.

SOVET EDEBNIATY [SOVIET LITERATURE]. Organ of Soluz pisatelei Tatarii [Association of Writers of Tataria]. Kazan, vol. 42, nos. 1, 3, Jan., Mar. 1963. [In Tatar]

SOVET EDEBNIATY [SOVIET LITERATURE]. Organ of Soluz sovetskikh pisatelei TSSR [Association of Writers of the Turkmen S. S. R.]. Ashkhabad, nos. 3-4, Mar. - Apr. 1963. [In Turkmen]

SOVETAKAN GRAKANUTIUN [SOVIET LITERATURE]. Organ of the Association of Soviet Writers of Armenia. Eriyan, nos. 2-3, 1963. [In Armenian]

SOVETSKAIA PECHAT' [SOVIET PRESS]. Issued by Soluz zhurnalistov SSSR [Association of Journalists of the U. S. S. R.]. Moscow, no. 2, Feb. 1963.

SOVETSKAIA UKRAINA [SOVIET UKRAINE]. Organ of Pravlenie Soluza pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine]. Kiev, vol. 12, nos. 11-12, Nov. - Dec. 1962; vol. 13, nos. 1-2, Jan. - Feb. 1963.

SOVREMENNIIK [CONTEMPORARY]. Toronto, no. 7, Apr. 1963.

SUCHASNIST'; literatura, mystelstvo, suspil'ne zhyttia [OUR TIME; Literature, Art, and Social Problems]. Munich, vol. 3, no. 4(28), Apr. 1963.

SURAN' TOLT; literaturno-khudozhestvennoi dy obshchestvenno-politicheskoj zhurnal [SURA LIGHTS; Literary and Socio-political Magazine]. Issued by Mordovskoi ASSR-n' pisatelei soluzos' [Association of Writers of the Mordovian A. S. S. R.]. Saransk, no. 2(42), Mar. - Apr. 1963. [In Mordovian]

URAL. Issued by Sverdlovskoe otdelenie Soluza pisatelei RSFSR [Sverdlovsk Branch of the Association of Writers of the R. S. F. S. R.]. Sverdlovsk, vol. 6, nos. 2-3, Feb. - Mar. 1963.

VITCHYZNA [OUR COUNTRY]. Organ of Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Kiev, vol. 31, nos. 3-4, Mar. - Apr. 1963.

VOIVYV KODZUV [NORTHERN STAR]. Organ of Soluz pisatelei Komi ASSR [Association of Writers of the Komi A. S. S. R.]. Syktyvkar, no. 4, Apr. 1963. [In Komi]

VOZROZHDENIE [RENAISSANCE]. Paris, no. 137, May 1963.

ZHOYTEN [OCTOBER]. Organ of Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Lvov, vol. 13, nos. 3-4, Mar. - Apr. 1963; vol. 13, no. 3, Mar. 1963.

ZHULDYZ [STAR]. Issued by Soluz sovetskikh pisatelei Kazakhstana [Association of Soviet Writers of Kazakhstan]. Alma-Ata, nos. 3-4, Mar. - Apr. 1963. [In Kazakh]

ZNAMIA [THE BANNER]. Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Moscow, vol. 33, no. 3, March 1963.

12. GEOGRAPHY & GEOLOGY

a. ETHNOLOGY

SOVETSKAIA ETNOGRAFIYA [SOVIET ETHNOGRAPHY]. Issued by Institut etnografii Akademii nauk SSSR [Institute of Ethnography of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 1, Jan. - Feb. 1963.

VOPROSY ANTROPOLOGII [PROBLEMS OF ANTHROPOLOGY]. Issued by Institut antropologii Moskovskogo gosudarstvennogo universiteta [Institute of Anthropology of Moscow State University]. Moscow, no. 11, 1962.

b. GEOGRAPHY

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Zapiski. Novaya seriia [GEOGRAPHIC SOCIETY OF THE U. S. S. R. Annals. New Series]. Moscow, vol. 23, 1963. Contents: Panov, D. G. [Bottom morphology of the world ocean] Morfologiya dna mirovogo okeana. 228 p.

KHIMICHESKAIA GEOGRAFIYA [CHEMICAL GEOGRAPHY]. Issued by Permskii otdel Geograficheskogo obshchestva SSSR [Perm Branch of the Geographical Society of the U. S. S. R.] and others. Perm, no. 1, 1961.

LENINGRAD. GOSUDARSTVENNYI GIDROLOGICHESKII INSTITUT. Trudy [STATE HYDROLOGICAL INSTITUTE. Transactions]. No. 83, 1962.

MATERIALY K UCHENIU O MERZLYKH ZONAKH ZEMNOI KORY [MATERIALS FOR THE THEORIES ABOUT THE PERMAFROST ZONES OF THE EARTH'S CRUST]. Issued by Institut merzlotovostia Akademii nauk SSSR and Akademii stroitel'stva i arkhitektury [Permafrost Institute of the Academy of Sciences of the U. S. S. R. and the Academy of Construction and Architecture]. Moscow, no. 8, 1962.

MOSCOW. UNIVERSITET. Geograficheskii fakul'tet. Informatsionnyi sbornik o rabotakh po Mezhdunarodnomu geofizicheskomu godu [UNIVERSITY. Geographical Faculty. Information Bulletin on the Work for the International Geophysical Year]. No. 5, 1960.

MOSCOW. UNIVERSITET. Vestnik. Seria 5: Geografiia [UNIVERSITY. Review. Series 5: Geography]. Vol. 18, no. 2, Mar. - Apr. 1963.

TURISTSKIE TROPY; al'manakh [TOURIST TRAILS; Almanac]. Published by Gosudarstvennoe izdatel'stvo "Fizkul'tura i sport" [State Publishing House "Physical Education and Sports"]. Moscow, vol. 6, 1962.

VOKRUG SVETA [AROUND THE WORLD]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 2-3, Feb. - Mar. 1963.

c. GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK SSSR. Geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Geological Institute. Transactions]. Moscow, no. 64, 1962.

Contents: Moskvitin, A. I. [Pleistocene of the lower Volga Valley] Pleistotsen Nizhnego Povolzh'ia. 262 p.

AKADEMIIA NAUK SSSR. Iakutskii filial. Yakutsk. Trudy. Seria geologicheskai [ACADEMY OF SCIENCES OF THE U. S. S. R. Yakut Branch. Transactions. Geological Series]. Moscow, no. 15, 1962. Contents: Vozin, V. F. [Stratigraphy of Mesozoic sediments in the Yana basin] Stratigrafia mezozoiskikh otlozhenii basseina r. Iany. 117 p.

AKADEMIIA NAUK SSSR. Institut geologii rudnykh mestorozhdenii, petrografii i geokhimi. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy and Geochemistry. Transactions]. Moscow, no. 86, 1963.

Contents: Dorsuk, A. M. [Petrology of Mesozoic igneous complexes in the western extremity of the Greater Caucasus] Petrologia mezozoiskikh magmaticheskikh kompleksov zapadnogo okonchaniia Glavnogo Kavkazskogo khreba. 168 p.

No. 88, 1963. Contents: Dmitriev, I. I. [Trap rocks and Iceland spurs of the Chona Valley (Yakutsk A. S. S. R.)] Trappy i islandskii shpat reki Chony [Iakutskai ASSR. 134 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Siberian Department. East Siberian Geological Institute. Transactions]. Irkutsk, no. 10, 1962.

Contents: Vladimirov, B. M. [Petrography of Padun and Margudoi' trap intrusives] Petrografia Padunskogo i Margudoi'skogo trappovykh intruzivov. 150 p.

GEOLOGIIA I GEOFIZIKA [GEOLOGY AND GEOPHYSICS]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U. S. S. R.]. Novosibirsk, nos. 11-12, 1962.

LENINGRAD. VSESOLUZYNI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE. Transactions]. Vol. 47, 1961. Problema neflegazonosnosti Srednei Azii [Oil and Gas Potentials of Central Asia], no. 5.

Contents: Sibirskova, L. V. [Middle Jurassic fauna of mollusks in the Greater Balkhan Range and its stratigraphic importance] Srednelurskaia fauna mol-luskov Bol'shogo Balkhana i ee stratigraficheskoe znachenie. 232 p.

- Vol. 50, 1961. Problema neftegazonosti Srednei Azii [Oil and Gas Potentials of Central Asia], no. 7. Contents: Bobkova, N.N. [Late Cretaceous oysters in the Tajik Depression]. Pozdneemelovye ustritsy Tadzhikskoi depressii. 139 p.
- LENINGRAD. VSESOUZNYI NEFTIANOI NAUCHNO-ISSLEDOVATELSKII GEOLOGORAZVEDOCHNYI INSTITUT. Trudy [ALL-UNION PETROLEUM (SCIENTIFIC RESEARCH) GEOLOGICAL PROSPECTING INSTITUTE. Transactions]. No. 199, 1962. Contents: Simakova, T.L., Kolesnik, Z.A. [Bacteria of the formation waters, petroleum, and rocks of oil fields of the U.S.S.R.] Bakterii plastovykh vod, neftei i porod neftyanykh mestorozhdenii SSSR. 87 p.
- No. 200, 1962. Contents: Krylova, A.K. [Stratigraphy and Brachiopoda of the Devonian of the Siberian Platform] Stratigrafiya i brachiopody devona Sibirskoi platformy. 107 p.
- MATERIALY PO GEOLOGII TSENTRAL'NOGO KAZAKHSTANA [MATERIALS ON THE GEOLOGY OF CENTRAL KAZAKHISTAN]. Issued by Moskovskii gosudarstvennyi universitet [Moscow State University]. Moscow, vol. 4, 1962. Contents: Litvinovich, N.V. [Carboniferous and Permian deposits of the western part of central Kazakhstan] Kamennougol'nye i permskie otlozheniya zapadnoi chasti Tsentral'nogo Kazakhstana. 388 p.
- MEZHVEDOMSTVENNYI STRATIGRAFICHESKII KOMITET. Biulleten' [INTERDEPARTMENTAL STRATIGRAPHIC COMMITTEE. Bulletin]. Moscow, no. 4, 1962. Contents: [Materials of the Permanent Stratigraphic Commission of the Interdepartmental Stratigraphic Committee on the Devonian of the U.S.S.R.] Materialy Postolannoi stratigraficheskoi komissii MSK po devonu SSSR. 77 p.
- REFERATIVNYI ZHURNAL: GEOLOGIIA [JOURNAL OF ABSTRACTS: GEOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.
- RENTGENOGRAFIYA MINERAL'NOGO SYR'IA [RADIOGRAPHY OF MINERALS]. Issued by Komissiya po rentgenografii Akademii nauk SSSR [Committee on Radiography of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1962.
- SIBIRSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT GEOLOGII, GEOFIZIKI I MINERAL'NOGO SYR'IA. Trudy [SIBERIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES. Transactions]. Leningrad, no. 26, 1962.
- *SOVETSKAYA GEOLOGIIA [SOVIET GEOLOGY]. Organ of Ministerstva geologii i okhrany nedr SSSR [Ministry of the Geology and the Conservation of Mineral Resources of the U.S.S.R.]. Moscow, vol. 6, no. 3, Mar. 1963.
13. SCIENCE
- a. GENERAL
- AKADEMIIA NAUK ARMIAANSKOI SSR, Eriyan. Izvestiya. Seriya fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Bulletin. Series in Physical and Mathematical Sciences]. Eriyan, vol. 16, no. 1, 1963.
- *AKADEMIIA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports]. Moscow, vols. 148, nos. 5-6, Feb. 1963; vol. 149, nos. 2, 4, Mar.-Apr. 1963.
- AKADEMIIA NAUK SSSR. Arkhiv. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Archives. Transactions]. Moscow, no. 19, 1963. Contents: [Survey of archival materials. Vol. 5] Obozrenie arkhivnykh materialov. Tom 5. 188 p.
- EESTI LOODUS [ESTONIAN NATURE]. Issued by Eesti NSV Teaduste akadeemia [Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 2, Mar.-Apr. 1963. [In Estonian]
- NAUKA I ZHIZN' [SCIENCE AND LIFE]. Issued by Vsesoyuznoe obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znanii [All-Union Society for Dissemination of Political and Scientific Knowledge]. Moscow, vol. 29, no. 12, Dec. 1962.
- NAUKA I ZHYTTIA [SCIENCE AND LIFE]. Published by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain'skoi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol. 12, no. 1(142), Jan. 1963.
- ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudarstvennyi komitet po professional'no-tekhnicheskomu obrazovaniiu pri Gosplane SSSR [State Committee for Industrial Training, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 38, nos. 1-2, Jan.-Feb. 1963.
- ZNANNIA TA PRATSIYA [KNOWLEDGE AND WORK]. Issued by Tsentral'nyi komitet Lenins'koho komunistychnoho soiuza molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no. 1(275), Jan. 1963.
- b. ASTRONOMY
- ABASTUMANI, ASTROFIZICHESKAIA OBSERVATORIA. Biulleten' [ASTROPHYSICAL OBSERVATORY. Bulletin]. Tiflis, no. 27, 1962. Contents: [Transactions of the third Plenum of the Committee on Stellar Astronomy of the Astronomical Council of the Academy of Sciences of the U.S.S.R., October 1960] Trudy tret'ego Plenuma Komissii zvezdnoi astronomii Astronomicheskogo soveta Akademii nauk SSSR, oktiabr' 1960. 152 p.
- AKADEMIIA NAUK SSSR. Institut teoreticheskoi astronomii. Rezultaty nabludenií sovetskikh isskussivnykh sputnikov Zemli [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]. Moscow, nos. 55-56, 1962.
- *ASTRONOMICHESKII ZHURNAL [ASTRONOMICAL JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 40, no. 2, Mar.-Apr. 1963.
- *GEODEZIYA I KARTOGRAFIYA [GEODESY AND CARTOGRAPHY]. Organ of Glavnoe upravlenie geodezii i kartografii Ministerstva geologii i okhrany nedr SSSR [Main Administration of Geodesy and Cartography of the Ministry of the Geology and Conservation of Mineral Resources of the U.S.S.R.]. Moscow, no. 2, Feb. 1963.
- ISTORIKO-ASTRONOMICHESKIE ISSLEDOVANIYA [STUDIES IN THE HISTORY OF ASTRONOMY]. Moscow, no. 8, 1962.
- MOSCOW. UNIVERSITET. Gosudarstvennyi astronomicheskii institut. Soobshcheniya [UNIVERSITY. State Astronomical Institute. Reports]. No. 125, 1962.
- REFERATIVNYI ZHURNAL: ASTRONOMIIA [Otdel'nyi vypusk 51] [JOURNAL OF ABSTRACTS: ASTRONOMY (Separate Issue 51)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.
- REFERATIVNYI ZHURNAL: GEODEZIYA [Otdel'nyi vypusk 52] [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.
- c. BIOLOGY
- AKADEMIIA NAUK SSSR. Institut biologii vodokhranilishch. Biulleten' [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Biology of Reservoirs. Bulletin]. Moscow, no. 12, 1962.
- AKADEMIIA NAUK SSSR. Laboratoriya ozerovedeniya. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Laboratory of Limnology. Transactions]. Moscow, vol. 15, 1963.
- AKADEMIIA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Institute of Biology. Transactions]. Sverdlovsk, no. 22, 1962. Sbornik rabot Laboratorii biofiziki [Papers of the Laboratory of Biophysics], vol. 4.
- AKADEMIIA NAUK TADZHIKSKOI SSR, Dushanbe. Otdel fiziologii i biofiziki rastenii. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Department of Plant Physiology and Biophysics. Transactions]. Dushanbe, vol. 1, 1962.
- EESTI NSV TEADUSTE AKADEEMIA. Toimetised, Bioloogiline seeria. Izvestiya Akademii nauk Eston'skoi SSR. Seriya biologicheskaya [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin. Biological Series]. Tallinn, no. 1, 1963.
- KHOPERSKII GOSUDARSTVENNYI ZAPOVEDNIK. Trudy [KHOPER STATE PRESERVE. Transactions]. No. 4, 1961.
- LATVIJAS PADOMIU SOCIJALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Mikrobiologijas Instituta. Trudy [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Institute of Microbiology. Transactions]. Riga, no. 17, 1962.
- *MIKROBIOLOGIIA [MICROBIOLOGY]. Published by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 31, no. 6, Nov.-Dec. 1962.
- REFERATIVNYI ZHURNAL: BIOLOGICHESKAYA KHIMIYA [Otdel'nyi vypusk 300] [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate Issue 300)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 8, Apr. 1963.
- REFERATIVNYI ZHURNAL: BIOLOGIIA [JOURNAL OF ABSTRACTS: BIOLOGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 6-8, Mar.-Apr. 1963.
- SEVAN. GIDROBIOLOGICHESKAIA STANTSIYA. Trudy [HYDROBIOLOGICAL STATION. Transactions]. Eriyan, vol. 16, 1962.
- *TSITOLOGIIA [CYTOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 3, May-June 1962.
- *USPEKHI SOVREMENNOI BIOLOGII [PROGRESS IN CONTEMPORARY BIOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 55, no. 1, Jan.-Feb. 1963.
- VOPROSY BIOFIZIKI, BIOKHIMII I PATOLOGII ERITROTSITOV [PROBLEMS IN THE BIOPHYSICS, BIOCHEMISTRY, AND PATHOLOGY OF ERYTHROCYTES]. Issued by Laboratoriya biofiziki Instituta fiziki Sibirskogo otdeleniya Akademii nauk SSSR [Laboratory of Biophysics of the Institute of Physics of the Siberian Department of the Academy of Sciences of the U.S.S.R.]. Krasnoyarsk, no. 2, 1961.
- VOPROSY BIOLOGII I KRAEVOI MEDITSINY [PROBLEMS OF BIOLOGY AND ENDEMIC MEDICINE]. Issued by Otdelenie biologicheskikh nauk Akademii nauk Uzbekskoi SSR [Department of Biological Sciences of the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 3, 1962.
- ZOOLOGICHESKII ZHURNAL. [ZOOLOGICAL JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 42, no. 2, 1961.
- d. CHEMISTRY
- *AKADEMIIA NAUK SSSR. Izvestiya. Otdelenie khimicheskikh nauk [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Department of Chemical Sciences]. Moscow, no. 4, Apr. 1963.
- AZERBAIDZHANSKII KHIMICHESKII ZHURNAL [AZERBAIJAN CHEMICAL JOURNAL]. Issued by Akademiya nauk Azerbaidzhanskoi SSR [Academy of Sciences of the Azerbaijan S.S.R.]. Baku, no. 2(10), 1962.
- *KINETIKA I KATALIZ [KINETICS AND CATALYSIS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 1, Jan.-Feb. 1963.
- MOSCOW. VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimika; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry. Classified Index of Articles in Foreign Periodicals]. No. 2(112), 1963.
- *ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 5, Aug. 1962.
- *ZHURNAL NEORGANICHESKOI KHIMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 7, July 1962; vol. 8, no. 4, Apr. 1963.
- *ZHURNAL OBSHCHEI KHIMII [JOURNAL OF GENERAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 33, no. 3, March 1963.

c. MATHEMATICS

LIETUVOS MATEMATIKOS RINKINYS. LITOVSKII MATEMATICHESKII SBORNIK [LITHUANIAN MATHEMATICAL PAPERS]. Issued by Lietuvos TSR Mokslu akademija and Lietuvos TSR aukštosios mokyklos [Academy of Sciences of the Lithuanian S.S.R. and the Institutions of Higher Learning of the Lithuanian S.S.R.]. Vilnius, vol.1, no.1/2, 1961.

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW]. Issued by Akademija nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.60(102), no.3, Mar. 1963.

MATEMATIKA; periodicheskii sbornik perevodov inostrannykh statei [MATHEMATICS; Translations of Foreign Articles]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature], Moscow, vol.7, no.2, Mar.-Apr. 1963.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.3, Mar. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshiikh uchebnykh zavedenii; matematika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Mathematics]. Moscow, no.2(33), 1963.

SIBIRSKII MATEMATICHESKII ZHURNAL [SIBERIAN MATHEMATICAL JOURNAL]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.4, no.2, Mar.-Apr. 1963.

*TEORIYA VEROIATNOSTEI I EE PRIMENENIYA [THEORY OF PROBABILITY AND ITS APPLICATIONS]. Issued by Akademija nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.8, no.1, 1963.

UKRAINSKII MATEMATICHESKII ZHURNAL [UKRAINIAN MATHEMATICAL JOURNAL]. Organ of Instytut matematiki Akademii nauk URSS [Institute of Mathematics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.15, no.1, 1963.

f. PHYSICS

*AKADEMIA NAUK SSSR. Izvestiia. Seriya geofizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geophysical Series]. Moscow, nos.2-3, Feb.-Mar. 1963.

AKADEMIA NAUK SSSR. Fizicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Physics. Transactions]. Moscow, vol.14, 1962.

AKADEMIA NAUK URSS. Kiev. Instytut geofiziky. Geofizicheskii sbornik [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Geophysics. Geophysical Papers]. Kiev, nos.1(3)-2(4), 1962.

CHEKOSLOVATSKII FIZICHESKII ZHURNAL. CZECHOSLOVAK JOURNAL OF PHYSICS. Issued by Chechoslovatskaja akademija nauk [Czechoslovak Academy of Sciences]. Prague, vol.13, no.4, 1963.

EESTI NSV TEADUSTE AKADEEMIA. Eesti ja astronoomia instituut. Uurimused. Trudy Instituta fiziki i astronomii Akademii nauk Estonskoi SSR [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Institute of Physics and Astronomy. Transactions]. Tartu, no.21, 1962.

METEOROLOGIIA I GIDROLOGIIA [METEOROLOGY AND HYDROLOGY]. Issued by Glavnoe upravlenie gidrometeorologicheskoi sluzhby pri Sovete Ministrov SSSR [Main Administration of the Hydrometeorological Service, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no.3, Mar. 1963.

MOSCOW. INZHENERNO-FIZICHESKII INSTITUT. Voprosy dozimetrii i zashchity ot izlucheniia [INSTITUTE OF ENGINEERING PHYSICS. Problems of Dosimetry and Radiation Protection]. No.1, 1962.

*OPTIKA I SPEKTROSKOPIA [OPTICS AND SPECTROSCOPY]. Issued by Akademija nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.13, no.4, Oct. 1962.

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.2, Feb. 1963.

REFERATIVNYI ZHURNAL: GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.4, Apr. 1963.

*USPEKHI FIZICHESKIIH NAUK [PROGRESS IN THE PHYSICAL SCIENCES]. Issued by Akademija nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.79, no.3-4, Mar.-Apr. 1963.

*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS]. Issued by Akademija nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.44, no.3, Mar. 1963.

14. MEDICINE

a. GENERAL

AZERBAIJAN TIBB ZHURNALI. AZERBAIDZHANSKII MEDITSINSKII ZHURNAL [AZERBAIJAN MEDICAL JOURNAL]. Issued by Azerbaidzhan SSR Səhiyyə nazirlihi [Azerbaijan Ministry of Health]. Baku, vol.40, no.1, Jan. 1963.

KISHINEV. GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Trudy [STATE MEDICAL INSTITUTE. Transactions]. Vol.13, 1960. (DNLM)

LENINGRAD. LENINGRADSKII INSTITUT EPIDEMIOLOGII I MIKROBIOLOGII IM. PASTERA. Trudy [LENINGRAD PASTEUR INSTITUTE OF EPIDEMIOLOGY AND MICROBIOLOGY. Transactions]. Vol.23, 1961.

LIKARS'KYI VISNYK. MEDICAL JOURNAL. Issued by Ukrains'ke likars'ke tovarystvo Pivnichnoi Ameriky [Ukrainian Medical Association of North America]. New York, vol.10, no.1(28), Jan. 1963. (DNLM)

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 1, vol.7, no.3, Mar. 1963. Razdel [Section] 3, vol.7, nos.3-4, Mar.-Apr. 1963. Razdel [Section] 4, vol.7, nos.2-3, Feb.-Mar. 1963. Razdel [Section] 6, vol.7, no.3, Mar. 1963. Razdel [Section] 7, vol.7, no.3, Mar. 1963. Razdel [Section] 9, vol.7, nos.3-4, Mar.-Apr. 1963. Razdel [Section] 10, vol.7, no.3, Mar. 1963.

REFERATIVNYI ZHURNAL: MEDITSINSKAYA GEOGRAFIYA (Oldeniyi vypusk 36) [JOURNAL OF ABSTRACTS: MEDICAL GEOGRAPHY (Separate Issue 36)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no.4, Apr. 1963.

SVEIKATOS APSAUGA [HEALTH SERVICE]. Issued by LTSR Sveikatos apsaugos ministerija [Ministry of Health of the Lithuanian S.S.R.]. Vilnius, vol.8, no.3(87), Mar. 1963. [In Lithuanian] (DNLM)

SOVETSKOE ZDRAVOOKHRANENIE KIRGIZII [SOVIET HEALTH SERVICE OF KIRGHIZIA]. Issued by Ministerstvo zdravookhraneniia Kirgizskoi SSR [Ministry of Health of the Kirghiz S.S.R.]. Frunze, no.1, Jan.-Feb. 1963.

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselibas aizsardzibas ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no.4(50), Apr. 1963. [In Latvian]

VOPROSY REVMAATIZMA [PROBLEMS OF RHEUMATISM]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol.1, no.4, Oct.-Dec. 1961. (DNLM)

ZDOROV'E [HEALTH]. Issued by Ministerstvo zdravookhraneniia SSSR i RSFSR [Ministries of Health of the U.S.S.R. and the R.S.F.S.R.]. Moscow, vol.9, no.2(98), Feb. 1963.

ZDRAVOOKHRANENIE ROSSISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol.7, no.3, Mar. 1963.

ZDRAVOOKHRANENIE TURKMENISTANA [HEALTH SERVICE OF TURKMENISTAN]. Organ of Ministerstvo zdravookhraneniia TSSR [Ministry of Health of the Turkmen S.S.R.]. Ashkhabad, vol.2, no.6(12), Nov.-Dec. 1958; vol.6, no.6(38), Nov.-Dec. 1962; vol.7, no.1(37), Jan. 1963.

c. NEUROLOGY & PSYCHIATRY

PRAKTIKA SUDEBNOPSIKHIATRICHESKOI EKSPERTIZY [PRACTICE OF FORENSIC PSYCHIATRY EXPERTISE]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut sudebnoi psikhiiatrii [Central Scientific Research Institute of Forensic Psychiatry]. Moscow, no.7, 1962.

PROBLEMY SUDEBNOI PSIKHIATRII [PROBLEMS OF FORENSIC PSYCHIATRY]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut sudebnoi psikhiiatrii [Central Scientific Research Institute of Forensic Psychiatry]. Moscow, vol.11, 1961.

d. OPHTHALMOLOGY & OTORHINOLARYNGOLOGY

OFTALMOLOGICHESKII ZHURNAL [OPHTHALMOLOGICAL JOURNAL]. Issued by Ministerstvo zdravookhraneniia USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol.17, no.7, 1962.

VESTNIK OTORINOLARINGOLOGII [REVIEW OF OTORHINOLARYNGOLOGY]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no.4, 1962. (DNLM)

e. PATHOLOGY & THERAPEUTICS

REFERATIVNYI ZHURNAL: OBSHCHIE VOPROSY PATOLOGII. ONKOLOGIIA (Oldeniyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY, ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.5, 7-8, Mar.-Apr. 1963.

VOPROSY PATOLOGII KROVI I KROVOOBRASHCHENIYA [PROBLEMS OF THE PATHOLOGY AND CIRCULATION OF BLOOD]. Issued by Leningradskii pediatricheskii meditsinskii institut [Leningrad Pediatric Medical Institute]. Leningrad, no.6, 1961. (DNLM)

f. PHARMACY & MATERIA MEDICA

FARMATSEVTICHNYI ZHURNAL [PHARMACEUTICAL JOURNAL]. Issued by Ministerstvo okhorony zdorov'ia URSS [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol.17, no.4, 1962.

REFERATIVNYI ZHURNAL: FARMAKOLOGIIA. TOKSIKOLOGIIA (Oldeniyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY, TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos.4, 6-7, Feb.-Apr. 1963.

h. SURGERY & DENTISTRY

PROBLEMY STOMATOLOGII [PROBLEMS OF STOMATOLOGY]. Issued by Odeskoe stomatologov Ukrainskoi SSR [Society of Stomatologists of the Ukrainian S.S.R.]. Vol.6, 1962. (DNLM)

15. AGRICULTURE

a. GENERAL

KHILIBOROB UKRAINY [THE FARMER OF THE UKRAINE]. Issued by Ministerstvo vyrobnytstva i zakhotyvoi sil's'kohospodars'kykh produktiv URSS [Ministry of the Production and Procurement of Agricultural Products of the Ukrainian S.S.R.]. Kiev, nos.1-3, 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO [COLLECTIVE AND STATE FARM PRODUCTION]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, nos.1-3, 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TADZHIKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TAJIKISTAN]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Tadzhikskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Dushanbe, vol.17, nos.1-2, Jan.-Feb. 1963.

*POCHVOVEDENIE [SOIL SCIENCE]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, nos. 2-3, Feb.-Mar. 1963.

REFERATIVNYI ZHURNAL: POCHVOVEDENIE (Oldel'nyi vypusk 57) [JOURNAL OF AGRICULTURAL SCIENCE (Separate Issue 57)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, nos. 4-6, 8, Feb.-Apr. 1963.

SBORNIK TRUDOV PO AGRONOMICHESKOI FIZIKE [PAPERS ON AGRICULTURAL PHYSICS]. Issued by Agrofizicheskii nauchno-issledovatel'skii institut [Agrophysical Scientific Research Institute], Moscow, no. 10, 1962.

SEL'SKII MEKHANIZATOR [THE RURAL MECHANIC]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, no. 8, 1962.

SEL'SKOE KHOZIAISTVO: sistematičeskii ukazatel' statei v inostrannykh zhurnalakh [AGRICULTURE: Classified Index of Articles in Foreign Periodicals]. Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka i Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury [Central Agricultural Library and the All-Union State Library of Foreign Literature], Moscow, no. 1189, 1963.

SEL'SKOE KHOZIAISTVO BELORUSSII [AGRICULTURE OF WHITE RUSSIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Belorusskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the White Russian S.S.R.], Minsk, vol. 11, no. 3(123), Feb. 1963.

SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRICULTURAL LITERATURE OF THE U.S.S.R.]. Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka [Central Agricultural Library], Moscow, nos. 10-12, 1962; no. 1, 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NECHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE]. Organ of Ministerstva proizvodstva i zagotovok sel'skokhoziaistvennykh produktov i Ministerstva sel'skogo khozaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products and the Ministry of Agriculture of the R.S.F.S.R.], Moscow, vol. 1, nos. 1-3, Jan.-Mar. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TCHO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]. Organ of Ministerstva proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR i Ministerstva sel'skogo khozaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R.S.F.S.R. and the Ministry of Agriculture of the R.S.F.S.R.], Krasnodar, vol. 1, nos. 1-3, Jan.-Mar. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST]. Organ of Ministerstva proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR i Ministerstva sel'skogo khozaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R.S.F.S.R. and the Ministry of Agriculture of the R.S.F.S.R.], Omsk, nos. 1-3, Jan.-Mar. 1963.

SOTSIALISTIK POLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Põllumajandusnõukogu Tootmise ja Varumise Ministeerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S.S.R.], Tallinn, vol. 18, nos. 6-7, Mar.-Apr. 1963. [In Estonian]

VESTNIK SEL'SKOKHOZIAISTVENNOI NAUKI [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 7, no. 12, Dec. 1962.

VIENYK SIL'S'KOHOSPODARSKOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE]. Issued by Ministerstvo sil's'koho hospodarstva Ukrainy [Ministry of Agricultural Sciences of the Ukrainian S.S.R.], Kiev, vol. 6, no. 2, Feb. 1963.

ZA SOTSIALISTICHESKUTU SEL'SKOKHOZIAISTVENNUU NAUKU [FOR SOCIALIST AGRICULTURAL SCIENCE]. Issued by Československá akademie sel'skokhoziaistvennykh nauk [Czechoslovak Academy of Agricultural Sciences], Prague, vol. 5, nos. 1-3, 1966; vol. 12, no. 1, 1963.

b. ANIMAL INDUSTRY

KAUNAS. LIETUVOS VETERINARIOS AKADEMIJA. Darbai. Trudy Litovskoi veterinarnoi akademii [LITHUANIAN VETERINARY MEDICINE ACADEMY. Transactions]. Vol. 6, 1961.

LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSEDOVATELSKII INSTITUT OZERNOGO I RECHNOGO RYBNOGO KHOZIAISTVA. Izvestia [STATE SCIENTIFIC RESEARCH INSTITUTE OF LAKE AND RIVER FISHERIES. Bulletin] Vol. 40, 1957. Contents: Tiurin, P. V. [Biological foundations of the reconstruction of fish stocks in the north-western lakes of the U.S.S.R.]. Biologicheskie osnovaniya rekonstruktsii rybnikh zapasov v severo-zapadnykh ozerakh SSSR. 200 p.

Vol. 43, no. 2, 1957.

Contents: Bogdanova, E. A. [Parasites of young bream and wild carp in the fish spawning and rearing farms of the Volga Delta and their epizootic state]. Parazitofauna molodi lescha i sazana nerestovo-vyrastnykh khoziaistv del'ty Volgi i ikh epizooticheskoe sostoianie. 71 p. [With summary in German]

Vol. 43, no. 3, 1957.

Contents: Ostroumova, I. N. [Blood indices and hemopoiesis in the ontogeny of fishes]. Pokazateli krovi i krovotvoreniya v ontogeneze ryb. 63 p. [With summary in English]

Vol. 46, 1958.

Contents: Galkin, G. G. [Atlas of scales of freshwater bony fishes]. Atlas cheshui presnovodnykh kostylykh ryb. 105 p.

Vol. 47, no. 1, 1958.

Contents: Manel'man, I. I. [Distribution of the young of some fish species in the temperature gradient]. O raspredeleii molodi nekotorykh vidov ryb v termogradientnykh usloviakh. 61 p. [With summary in English]

MOLOCHNOE I MASNOE SKOTOVODSTVO [DAIRY AND BEEF CATTLE BREEDING]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 6, no. 12, Dec. 1961. (DNAL)

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot i Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 24, nos. 3-4, Mar.-Apr. 1963.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT KONEVODSTVA. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF HORSE BREEDING. Transactions]. No. 17, 1949; no. 19, 1952; vol. 22, nos. 1-2, 1956.

MOSCOW. VSESOIUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAPHII. Sbornik izobrazhenii v rybnom promyshlennosti za 1959 g. [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY. Papers on Inventions in the Fishing Industry for 1959]. Moscow, 1960.

OKHOTA I OKHOTNICH'E KHOZIAISTVO [HUNTING AND GAME MANAGEMENT]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 9, no. 4, 1963.

OVTSEVODSTVO [SHEEP BREEDING]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 7, no. 6, June 1961; vol. 9, no. 3, Mar. 1963. (DNAL)

REFERATIVNYI ZHURNAL: ZHIVOTNOVODSTVO, VETERINARIJA (Oldel'nyi vypusk 58) [JOURNAL OF AGRICULTURAL SCIENCE (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, nos. 7-8, Apr. 1963.

RYBNOE KHOZIAISTVO [FISHERIES]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po rybnomu khoziaistvu [State Committee of the Council of Ministers of the U.S.S.R. for Fisheries]. Moscow, vol. 39, no. 3, 1963.

RYBOVODSTVO I RYBOLOVSTVO [PISCICULTURE AND FISHING]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 6, no. 2, Mar.-Apr. 1963.

c. FORESTRY

LESNAIA PROMYSHLENNOST' [FOREST INDUSTRY]. Organ of Gosudarstvennyi komitet po lesnoi, papirno-bumazhnoi, derevobrabatyval'skoi promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR i Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R. and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 41, no. 1, Jan. 1963.

MASTER LESA [MASTER LUMBERMAN]. Issued by TsK Profsoyuza rabochikh lesnoi, bumazhnoi i derevobrabatyval'skoi promyshlennosti [Central Committee of the Trade Union of Workers of the Forest, Paper, and Woodworking Industries]. Moscow, vol. 7, no. 4, Apr. 1963.

METSANDUSLIKUD UURIMUSED [FOREST INDUSTRY]. Issued by Eesti NSV Teaduste Akadeemia Zooloogia ja Botaanika Instituut [Zoological and Botanical Institute of the Academy of Sciences of the Estonian S.S.R.], Tartu, vol. 3, 1961.

d. PLANT CULTURE

POVYSHENIE PLODORODIYA POCHV NECHERNOZEMNOI POLOSY [IMPROVING SOIL FERTILITY IN THE NON-CHERNOZEM BELT]. Moscow, no. 2, 1962.

REFERATIVNYI ZHURNAL: RASTENIEVODSTVO (Oldel'nyi vypusk 55) [JOURNAL OF AGRICULTURAL SCIENCE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, nos. 4-7, Apr. 1963.

SELEKTSIJA I SEMENOVODSTVO [PLANT BREEDING AND SEED PRODUCTION]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 28, no. 2, Mar.-Apr. 1963.

VINODELIE I VINOGRADARSTVO SSSR [WINE MAKING AND VITICULTURE IN THE U.S.S.R.]. Issued by Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR i Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 23, no. 3(210), 1961.

16. TECHNOLOGY

a. GENERAL

BEZOPASNOST' TRUDA V PROMYSHLENNOSTI [INDUSTRIAL SAFETY]. Organ of Gosudarstvennyi komitet pri Sovete Ministrov RSFSR po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i pod nomu nadzoru [State Committee for Safety in Industry and Mining, Attached to the Council of Ministers of the R.S.F.S.R.], Moscow, vol. 7, nos. 3, Mar. 1963.

GORKIY. POLITEKHNIČESKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE. Transactions]. Vol. 15, no. 1, 1961. Contents: Iakovlev, M. S. [Methods for determining the ability of river vessels to pass through ice]. Metodika opredeleniya ledoprotivnosti rechnykh sudov. 23 p.

INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Gosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization]. Moscow, vol. 24, no. 2, 1963.

IUNYI TEKHNIK [YOUNG TECHNICIAN]. Issued by TsK VLKSM i Tsentral'nyi Sovet pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the Lenin Pioneers]. Moscow, vol. 7, no. 3, Mar. 1963.

IZOBRETAELI I RATSIONALIZATOR [INVENTIONS AND EFFICIENCY PROMOTER]. Issued by Vsesoyuznoe obshchestvo izobretelei i ratsionalizatorov [All-Union Society of Inventors and Efficiency Promoters]. Moscow, nos. 7, 9, July, Sep., 1962; no. 1(197), 1963.

KAUNAS. POLITEKHNIKOS INSTITUTAS. Darbai. Trudy Kaunasskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE. Transactions]. Vol. 11, nos. 1-3, 5-6, 1960; vol. 13, no. 4, 1960; vol. 16, nos. 1-2, 1960.

NAUKA I TEKHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Nauchno-tekhnicheskii komitet Soveta Ministrov Latvii SSR [Scientific and Technical Committee of the Council of Ministers of the Latvian S. S. R.] and others. Riga, nos. 2(31) - 3(32), Feb. - Mar. 1963.

NOVOCHERKASSK. POLITEKHNIЧЕСКИЙ ИНСТИТУТ. Trudy [POLYTECHNIC INSTITUTE. Transactions]. Eriyan, vol. 131, 1962.

PROFESSIONAL'NO-TEKHNIЧЕСКОЕ ОБРАЗОВАНИЕ [VOCATIONAL TECHNICAL EDUCATION]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po professional'no-tekhnicheskomu obrazovaniiu [State Committee of the Council of Ministers of the U. S. S. R. for Vocational Technical Education]. Moscow, vol. 20, no. 3(214), Mar. 1963.

REFERATIVNYI ZHURNAL: METROLOGIYA I IZMERITEL'NAIA TEKHNIKA (Otdel'nyi vypusk 32) [JOURNAL OF ABSTRACTS: MEASUREMENT AND MEASUREMENT TECHNIQUES (Separate Issue 32)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 3-4, Mar. - Apr. 1963.

TALLINN. POLITEHNIILINE INSTITUUT. Toimetised, Seria A. Trudy Tallinskogo politekhnicheskogo instituta [POLYTECHNIC INSTITUTE, Studies]. No. 105, 1962. Sbornik statei po khimii i khimicheskoi tekhnologii [Papers on Chemistry and Chemical Technology], vol. 8.

TEHNIIKA JA TOOTMINE [TECHNOLOGY AND PRODUCTION]. Issued by Eesti NSV Ministrite Nõukogu Riiklik Teaduslik-Tehniline Komitee and Eesti NSV Ametiühingute Nõukogu [State Scientific Technological Committee of the Council of Ministers of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.]. Tallinn, vol. 7, nos. 3-4, Mar. - Apr. 1963. [In Estonian]

TEKHNIKA - MOLODEZHI [TECHNOLOGY FOR YOUTH]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 31, no. 1, 1963.

VSESOUZNYI SOVET NAUCHNO-TEKHNIЧЕСКИХ ОБЩЕСТВ. Nauchno-tekhnicheskie obshchestva SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES, Scientific Technological Societies of the U. S. S. R.]. Moscow, vol. 5, nos. 2(50), 4, Feb., Apr. 1963.

b. AERONAUTICS

AVIATSIYA I KOSMONAVTIKA [AVIATION AND ASTRONAUTICS]. Moscow, vol. 45, nos. 3-4, Mar. - Apr. 1963.

GRAZHDANSKAYA AVIATSIYA [CIVIL AVIATION]. Issued by Glavnoe upravlenie grazhdanskogo vozdukhonno flota pri Sovete Ministrov SSSR [Main Administration of Civil Aviation, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 12, no. 1, Jan. 1955; vol. 20, no. 2, Feb. 1963.

REFERATIVNYI ZHURNAL: AVIATSIONNYE I RAKET-NYE Dvigateli (Otdel'nyi vypusk 34) [JOURNAL OF ABSTRACTS: AIRCRAFT AND ROCKET ENGINES (Separate Issue 34)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 4, Apr. 1963.

REFERATIVNYI ZHURNAL: VOZDUSHNYI TRANSPORT [JOURNAL OF ABSTRACTS: AIR TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 4, Apr. 1963. [This journal is also issued in parts.]

VOPROSY RAKETNOI TEKHNIKI; sbornik perevodov i obzоров inostrannoi periodicheskoi literatury [PROBLEMS OF ROCKET ENGINEERING; Translations and Surveys of Foreign Periodical Literature]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, vol. 13, nos. 2(99)-3(99), 1963.

c. CHEMICAL TECHNOLOGY

KHIMICHESKAYA PROMYSHLENNOST' [CHEMICAL INDUSTRIES]. Organ of Gosudarstvennyi komitet po khimii pri Gosplane SSSR [State Committee on Chemistry, Attached to the State Planning Committee of the U. S. S. R.]. Moscow, no. 1, Jan. 1963.

KHOLODIL'NAYA TEKHNIKA [REFRIGERATION ENGINEERING]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut kholodil'noi promyshlennosti [All-Union Scientific Research Institute of the Refrigeration Industry]. Moscow, vol. 40, no. 1, Jan. - Feb. 1963.

***KOKS I KHIMIIA [COKE AND CHEMISTRY].** Organ of Gosudarstvennyi komitet po chernoi i tsvelnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U. S. S. R.] and others. Moscow, no. 3, 1963.

KONSERVNAYA I OVOSHCHESUSHIL'NAYA PROMYSHLENNOST' [THE CANNING AND DEHYDRATED VEGETABLE INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 18, nos. 3-4, Mar. - Apr. 1963.

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedenii; pishchevaia tekhnologiya [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Food Technology]. Moscow, no. 1(32), 1963.

SPIRTOVAYA PROMYSHLENNOST' [DISTILLING INDUSTRY]. Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 29, no. 2, 1963.

***STEKLO I KERAMIKA [GLASS AND CERAMICS].** Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U. S. S. R. for Construction]. Moscow, vol. 20, no. 4, Apr. 1963.

ZHURNAL NAUCHNOI I PRIKLADNOI FOTOGRAFII I KINEMATOGRAFII [JOURNAL OF SCIENTIFIC AND APPLIED PHOTOGRAPHY AND CINEMATOGRAPHY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 8, no. 2, Mar. - Apr. 1963.

***ZHURNAL PRIKLADNOI KHIMII [JOURNAL OF APPLIED CHEMISTRY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 36, no. 2, Feb. 1963.

d. CIVIL & CONSTRUCTION ENGINEERING

AKADEMIIA KOMMUNAL'NOGO KHOZIAISTVA. Informatsionnoe pis'mo [ACADEMY OF COMMUNAL ECONOMY, Information letter]. Moscow, no. 1(162), 1962.

Contents: Lukinykh, N. A., Turovskii, I. S. [Basic principles of the technical design of units for the mechanical dehydration of sewage residues on drum vacuum filters] Osnovnye printsipy tekhnologicheskogo rascheta ustanovok po mekhanicheskomu obezvozhivaniyu osadkov stochnykh vod na barabannykh vakuum-filtrakh. 34 p.

AKADEMIIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut sanitarnoi tekhniki. Sbornik trudov [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U. S. S. R. Institute of Sanitary Engineering. Collected Papers]. Moscow, no. 12, 1962.

LENINGRAD. INZHENERNO-STROITEL'NYI INSTITUT. Sbornik nauchnykh trudov [CIVIL ENGINEERING INSTITUTE. Papers]. No. 33, 1961.

Contents: Morkunas, A. M., Mukhorina, O. V. [New studies and data of sewerage systems] Novye issledovaniya i raschetnye dannye po kanalizatsionnym settam. 71 p.

No. 37, 1962.

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZOBETONNYKH IZDELII, STROITEL'NYKH I NERUDNYKH MATERIALOV. Sbornik trudov [STATE SCIENTIFIC RESEARCH INSTITUTE OF REINFORCED-CONCRETE PRODUCTS, BUILDING MATERIALS, AND ROCK PRODUCTS. Collected Papers]. No. 5, 1961.

NA STROIKAKH ROSSII [AT RUSSIAN CONSTRUCTION PROJECTS]. Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam stroitel'stva [State Committee of the Council of Ministers of the R. S. F. S. R.]. Moscow, vol. 4, no. 1, Jan. 1963.

OSNOVANIYA, FUNDAMENTY I MEKHANIKA GRUNTOV [FOUNDATIONS AND SOIL MECHANICS]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U. S. S. R. for Construction]. Moscow, vol. 5, no. 2, 1963.

PROMYSHLENNOE STROITEL'STVO [INDUSTRIAL CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and Tsentral'noe pravleniye Nauchno-tekhnicheskogo obshchestva stroitel'noi industrii [State Committee for Construction in the U. S. S. R. and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, vol. 40(1, c. 41), nos. 3-4, Mar. - Apr. 1963; vol. 41, no. 2, Feb. 1963.

PROMYSHLENNOE STROITEL'STVO I INZHENERNYE SOORUZHENIYA [INDUSTRIAL CONSTRUCTION AND ENGINEERING STRUCTURES]. Issued by Nauchno-doslednyi institut vprovodzheniya peredovogo dosvida v budynystvo i tekhnicheskoi informatsii Akademii budynystva i arkhitektury USSR [Scientific Research Institute for the Introduction of Progressive Practices in Construction and of Technical Information of the Academy of Construction and Architecture of the Ukrainian S. S. R.]. Kiev, vol. 4, no. 1(20), Jan. - Feb. 1963.

POZHARNOE DELO [FIRE FIGHTING]. Issued by Ministerstvo vnutrennikh del RSFSR [Ministry of the Interior of the R. S. F. S. R.]. Moscow, vol. 9(53), no. 2, Feb. 1963.

PUTI I PUTEVOYE KHOZIAISTVO [RAILROAD TRACKS AND ROADWAY MAINTENANCE]. Organ of Ministerstvo putei soobshcheniya SSSR [Ministry of Railroad Transportation of the U. S. S. R.]. Moscow, vol. 7, nos. 1, 4, 1963.

REFERATIVNYI ZHURNAL: AVTOMODUL'NYYE DOROZH [JOURNAL OF ABSTRACTS: HIGHWAYS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 4, Apr. 1963.

REFERATIVNYI ZHURNAL: STROITEL'STVO I ARKHITEKTURA [JOURNAL OF ABSTRACTS: CONSTRUCTION AND ARCHITECTURE]. Issued by Akademiya stroitel'stva i arkhitektury SSSR [Academy of Construction and Architecture of the U. S. S. R.]. Moscow, vol. 5, no. 2(26), 1963.

SEL'SKOE STROITEL'STVO [RURAL CONSTRUCTION]. Organ of Gosudarstvennyi komitet Soveta Ministrov RSFSR po delam stroitel'stva [State Committee of the Council of Ministers of the R. S. F. S. R. for Construction]. Moscow, vol. 17, no. 2(160), Feb. 1963.

STROITEL' [THE BUILDER]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva and Tsentral'nyi komitet Profsoyuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee of the Council of Ministers of the U. S. S. R. for Construction and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, vol. 9, no. 3, Mar. 1963.

STROITEL'STVO TRUBOPROVODOV [PIPELINE CONSTRUCTION]. Issued by Glavnoe upravlenie gazovoi promyshlennosti pri Sovete Ministrov SSSR [Main Administration of the Gas Industry, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 8, no. 2, Feb. 1963.

TASHKENT. INSTITUT INZHENEROV ZHELEZNO-DOROZHNOGO TRANSPORTA. Trudy. [INSTITUTE OF RAILROAD TRANSPORTATION ENGINEERS. Transactions]. No. 15, 1962. Contents: Gofman, Sh. M. [Using the methods of consecutive balancing in designing plane frames] Raschet ploskikh ram sposobami posledovatel'nogo uravnoveshivaniya. 232 p.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY]. Organ of Ministerstvo transportnogo stroitel'stva SSSR [Ministry of Construction for the Transportation Industry of the U. S. S. R.]. Moscow, vol. 13, no. 2, Feb. 1963.

VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NERUDNYKH STROITEL'NYKH MATERIALOV I GIDROMEKHANIZATSI. Sbornik trudov [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF ROCK BUILDING MATERIALS AND HYDRAULIC MECHANIZATION. Papers]. Moscow, no. 2, 1962.

ZHILISHCHNOE STROITEL'STVO [HOUSING CONSTRUCTION]. Organ of Gosudarstvennyi komitet po grazhdanskomu stroitel'stva i arkhitekture pri Gosstroie SSSR and Tsentral'noe pravleniye NTO stroitel'noi industrii [State Committee for Civil Engineering and Architecture, Attached to the State Committee for Construction in the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Building Industry]. Moscow, no. 2, 1963.

ZHILISHCHNO-KOMMUNAL'NOE KHOZIAISTVO [HOUSING AND COMMUNAL SERVICES]. Issued by Ministerstvo kommunal'nogo khoziaistva RSFSR and TsK profsoiuzu rabochikh mestnoi promyshlennosti i kommunal'nogo khoziaistva [Ministry of Communal Economy of the R.S.F.S.R. and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 13, nos. 1-3, Mar., 1963.

e. ELECTRICAL ENGINEERING

*ATOMNAYA ENERGIYA [ATOMIC ENERGY]. Issued by Akademiya nauk SSSR and Gosudarstvennyi komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoi energii [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic Energy of the Council of Ministers of the U.S.S.R.]. Moscow, vol. 14, no. 4, Apr., 1963.

ATOMNAYA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD]. Issued by Gosudarstvennyi Komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoi energii [State Committee of the Council of Ministers of the U.S.S.R. for the Utilization of Atomic Energy]. Moscow, vol. 7, nos. 3-4, Mar. - Apr., 1963.

AVTOMATKA I PRIBOROSTROENIE [AUTOMATIC CONTROL AND INSTRUMENT MANUFACTURE]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainoi SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Institut avtomatiki Gosplana Ukrainoi SSSR [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Institute of Automatic Control of the State Planning Commission of the Ukrainian S.S.R.]. Kiev, no. 1(13), Jan. - Mar., 1963.

AVTOMATIKA, TELEMEXHANIKA I SVIAZ' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS]. Organ of Ministerstvo puti soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 7, no. 2, Feb., 1963.

AVTOMATIKA [AUTOMATIC CONTROL]. Issued by Institut elektrotekhniki Akademii nauk URSS [Institute of Electrical Engineering of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 8, no. 1, 1963.

ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS]. Organ of Gosplan SSSR [State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 34, no. 3, Mar., 1963.

ENERGETIK [ELECTRIC POWER TECHNICIAN]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot and Tsentral'nyi Komitet Profsoiuzu rabochikh elektrostantsii i elektropromyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. on the Coordination of Research and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry]. Moscow, vol. 10, no. 6, June 1962; vol. 11, nos. 2, 4, Feb., Apr., 1963.

ENERGOKHOZIAISTVO ZA RUBEZHOM; prilozhenie k zhurnalu "Elektricheskie stantsii" [ELECTRIC POWER PRODUCTION AND UTILIZATION IN FOREIGN COUNTRIES; Supplement to the periodical "Electric Power Stations"]. Issued by Gosudarstvennoe energeticheskoe izdatel'stvo [State Power Engineering Publishing House]. Moscow, no. 2, Mar. - Apr., 1963.

KIBERNETIKA, AVTOMATIKA I TELEMEXHANIKA; annotirovannyi ukazatel' literatury [CYBERNETICS, AUTOMATIC CONTROL, AND REMOTE CONTROL; Annotated Bibliography]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniiu and Institut avtomatiki i telemexhaniki Akademii nauk SSSR [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture and the Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, 1962, [MICROFILM]

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Energetikas instituts. Trudy Instituta energetiki Akademii nauk Latvijas SSR [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Institute of Power Engineering. Transactions]. Riga, vol. 14, 1962. Beskontaktnye elektricheskie mashiny [Contactless Electric Machinery], vol. 2.

LENINGRAD, ELEKTROTEKHNICHESKII INSTITUT SVIAZI. Trudy nauchno-tekhnicheskoi konferentsii LEIS [INSTITUTE OF ELECTRICAL COMMUNICATION ENGINEERING. Transactions of the Scientific Technological Conference LEIS]. Nos. 2-3, 1960; nos. 1-3, 1961; 1962.

MOSCOW, VSESOUZNYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT ELEKTRIFIKATSII SELSKOGO KHOZIAISTVA. Nauchnye trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RURAL ELECTRIFICATION. Scientific Transactions]. Vol. 11, 1962.

MOSCOW, VSESOUZNYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT ELEKTROENERGETIKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF ELECTRIC POWER ENGINEERING. Transactions]. No. 14, 1962. Contents: [Climatic data for the calculation of high-voltage power transmission lines. Vol. 2. Wind force on overhead lines in the U.S.S.R. | Raschetnye klimaticheskie uslovia dlia vysokovol'tnykh lini elektropredachi. Tom 2. Vetrovye nagruzki vozdukhnykh lini elektropredachi v SSSR. 156 p.

RADIO [RADIO]. Organ of Ministerstvo aviatsii SSSR and Vsesoiuznoe dobrovol'noe obshchestvo sodel'stviia armii, aviatel' i floti [Ministry of Communication of the U.S.S.R. and of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 12, Dec. 1962; no. 4, Apr., 1963.

*RADIOTEKHNIKA [RADIO ENGINEERING]. Organ of Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosviazi im. A. S. Popova [A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunications]. Moscow, vol. 16, no. 3, Mar., 1963.

*RADIOTEKHNIKA I ELEKTRONIKA [RADIO ENGINEERING AND ELECTRONICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 3, Mar., 1963.

REFERATIVNYI ZHURNAL: ELEKTRONIKA I EE PRIMENENIE [JOURNAL OF ABSTRACTS: ELECTRONICS AND ITS APPLICATIONS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr., 1963.

REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND TELECOMMUNICATIONS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, Mar., 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Power Engineering]. Moscow, vol. 6, no. 2, Feb., 1963.

*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; radiotekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]. Moscow, vol. 6, no. 1, Jan. - Feb., 1963.

*VESTNIK SVIAZI [COMMUNICATION REVIEW]. Issued by Ministerstvo aviatsii SSSR and Tsentral'nyi komitet Profsoiuzu rabotnikov sviazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Communication of the U.S.S.R. and the Central Committee of the Trade Union of Communications Employees and Workers of Automotive Transportation and Highways]. Moscow, vol. 23, nos. 1(274), 3(276), Jan., Mar., 1963.

ZARUBEZHNAIA RADIOELEKTRONIKA [RADIO ELECTRONICS ABROAD]. Moscow, no. 3, Mar., 1963.

f. INDUSTRIES & TRADES

BUMAZHNAIA PROMYSHLENNOST' [PAPER INDUSTRY]. Organ of Gosudarstvennyi komitet po lesnoi, tsellulozno-bumazhnoi, derevoobrabatvayushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and Tsentral'noe pravlenie NTO bumazhnoi i derevoobrabatvayushchei promyshlennosti [State Committee for the Forests, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, vol. 30, no. 3, Mar., 1963.

KOZHEVENNO-OBUVNAIA PROMYSHLENNOST' [LEATHER AND FOOTWEAR INDUSTRY]. Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravlenie NTO legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry]. Leningrad, vol. 5, no. 3, March 1963.

METS, PUTI, PAPER [FOREST, WOOD, AND PAPER]. Issued by Eesti NSV Ministriite Nourugu Riiklik Teaduslik-Tehniline Komitee [State Scientific and Technical Committee of the Council of Ministers of the Estonian S.S.R.]. Tallinn, no. 1(12), 1962. [In Estonian]

REFERATIVNYI ZHURNAL: LEGKAI PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr., 1963. Avtorskii ukazatel' za 1962 g. [Author Index for 1962.] [This journal is also issued in parts.]

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiya legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of Light Industry]. Moscow, no. 1(31), 1963.

*SVAROCHE NOE PROIZVODSTVO [WELDING PRACTICE]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. on the Coordination of Research] and others. Moscow, no. 3(315), Mar., 1963.

g. MECHANICAL ENGINEERING

AKADEMIYA NAUK URSS. Kiev. Institut teploenergetiky. Zbirnyk prats' [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Heat Engineering. Papers]. Kiev, no. 24, 1962.

AVTOMOBIL'NAIA PROMYSHLENNOST' [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniiu [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture]. Moscow, vol. 28, no. 8, Aug., 1962; vol. 29, no. 3, Mar., 1963.

ENERGOMASHINOSTROENIE [POWER MACHINERY CONSTRUCTION]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 9, nos. 1-2, Jan. - Feb., 1963.

MASHINOSTROITEL' [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 2, Feb., 1963.

MEKHANIKA; periodicheski sbornik perevodov inostrannykh statei [MECHANICS; Translations of Foreign Articles]. Published by Izd-vo inostrannoi lit-ry [Publishing House of Foreign Literature]. Moscow, vol. 14, nos. 1(77)-2(78), 1963.

MOSCOW, MOSKOVSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA. Trudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions]. Nos. 149, 154, 1962.

PRYKLADNA MEKHANIKA [APPLIED MECHANICS]. Issued by Institut budivel'noi mekhaniki Akademii nauk URSS [Institute of Structural Mechanics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 9, no. 2, 1963.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GORODSKOI TRANSPORT [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr., 1963. Avtorskii ukazatel' za 1962 g. [Author Index for 1962.] [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: FOTOKINOTEKHNIKA (Odnol'nyi vypusk 46) [JOURNAL OF ABSTRACTS: PHOTOGRAPHIC AND MOTION-PICTURE EQUIPMENT (Separate Issue 46)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr., 1963.

REFERATIVNYI ZHURNAL: GORNOE, STROITEL'NOE I DOROZHNOE MASHINOSTROENIE (Odnol'nyi vypusk 43) [JOURNAL OF ABSTRACTS: MANUFACTURE OF MINING MACHINERY, CONSTRUCTION EQUIPMENT, AND ROAD MACHINERY (Separate Issue 43)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr., 1963.

REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN (Oldel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.

REFERATIVNYI ZHURNAL: PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-4, Mar. - Apr. 1963. Avtorskii ukazatel' za 1962 g. [Author Index for 1962.] [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL: TEKHNOLGIYA I OBORUDOVANIE BUMAGODELATEL'NOGO I POLIGRAFI-CHESKOGO PROIZVODSTVA (Oldel'nyi vypusk 37) [JOURNAL OF ABSTRACTS: TECHNOLOGY AND EQUIPMENT OF THE PAPERMAKING AND PRINTING INDUSTRY (Separate Issue 37)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.

REFERATIVNYI ZHURNAL: TEKHNOLGIYA MASHINOSTROENIYA [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.

REFERATIVNYI ZHURNAL: TEPLONERGETIKA [JOURNAL OF ABSTRACTS: HEAT ENGINEERING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.

REFERATIVNYI ZHURNAL: TOCHNAIA MEKHANIKA, OPTIKA I ISPYTATEL'NAIA APPARATURA (Oldel'nyi vypusk 40) [JOURNAL OF ABSTRACTS: PRECISION MECHANICS, OPTICS, AND TESTING APPARATUS (Separate Issue 40)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, Mar. 1963.

REFERATIVNYI ZHURNAL: TRAKTORY I SEL'SKOKHO-ZIAISTVENNYE MASHINY I ORUDIYA (Oldel'nyi vypusk 44) [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 44)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-4, Mar. - Apr. 1963.

REFERATIVNYI ZHURNAL: TRUBOPROVODNYI TRANSPORT (Oldel'nyi vypusk 45) [JOURNAL OF ABSTRACTS: PIPELINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, Mar. 1963.

REFERATIVNYI ZHURNAL: VOPROSY TEKHNI-CHESKOGO PROGRESSA I ORGANIZATSII PROIZVOD-STVA V MASHINOSTROENII (Oldel'nyi vypusk 35) [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-4, Mar. - Apr. 1963.

REFERATIVNYI ZHURNAL: VZAIMODEISTVIE RAZ- NYKH VIDOV TRANSPORTA I KONTEINERNYE PE- REVOZKI (Oldel'nyi vypusk 31) [JOURNAL OF AB- STRACTS: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANS- PORTATION (Separate Issue 31)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.

REFERATIVNYI ZHURNAL: ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS: RAIL- ROAD TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963. Avtorskii ukazatel' za 1962 g. [Author Index for 1962.] [This journal is also issued in parts.]

*STANKI I INSTRUMENT [MACHINE TOOLS AND THEIR CUTTING TOOLS]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tehnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee, and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 34, no. 4, Apr. 1963.

STROITEL'NYE I DOROZHNYE MASHINY [ROAD AND CONSTRUCTION MACHINERY]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 8, no. 2, Feb. 1963.

*TEPLOENERGETIKA [HEAT ENGINEERING]. Organ of Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 10, no. 4, Apr. 1963.

TRAKTORY I SEL'KHOZMASHINY [TRACTORS AND AGRICULTURAL MACHINERY]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee] and others. Moscow, vol. 32, no. 12, Dec. 1962; vol. 33, nos. 1-2, Jan. -Feb. 1963.

*VESTNIK MASHINOSTROENIYA [MACHINE BUILDING REVIEW]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. on the Coordination of Research] and others. Moscow, vol. 43, nos. 2-3, Feb. - Mar. 1963.

b. MINING & METALLURGY

AKADEMIYA NAUK KAZAKHSSKOI SSR, Alma-Ata. Aitaiskii gornometallurgicheskii nauchno-issledovatel'skii institut. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Aitai Scientific Research Institute of Mining and Metallurgy. Transactions]. Alma-Ata, vol. 13, 1962.

AKADEMIYA NAUK SSSR. Izvestiia. Otdelenie tekhnicheskikh nauk. Metallurgiya i gornoe delo [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Department of Technological Sciences. Metallurgy and Mining]. Moscow, no. 1, Jan. -Feb. 1963.

AKADEMIYA NAUK SSSR. Ural'skii filial, Sverdlovsk. Institut gornogo dela. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Ural Branch. Institute of Mining. Transactions]. Sverdlovsk, no. 1, 1962. Contents: Vasil'ev, M. V. [Scientific principles for planning and operating truck transportation in open-pit mines] Nauchnye osnovy proektirovaniia i ekspluatatsii avtomobil'nogo transporta na otkrytykh gornykh razrabotkakh. 332 p.

No. 3, 1962.

FIZIKO-MEKHANICHESKIE SVOISTVA, DAVLENIE I RAZRUSHENIE GORNYYKH POROD [PHYSICOMECHANICAL PROPERTIES, PRESSURE, AND DISINTEGRATION OF ROCKS]. Issued by Institut gornogo dela Akademii nauk SSSR [Institute of Mining of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1962.

*GEOLOGIYA RUDNYKH MESTOROZHDENI [GEOLOGY OF ORE DEPOSITS]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 1, Jan. -Feb. 1963.

LENINGRAD. GORNIY INSTITUT. Zapiski [INSTITUTE OF MINING. Records]. Vol. 44, no. 2, 1962.

*LITENOE PROIZVODSTVO [FOUNDRY PRACTICE]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, no. 5, May 1962; nos. 1-2, Jan. -Feb. 1963.

*METALLOVEDENIE I TERMICHESKAIA OBRABOTKA METALLOV [METALS AND HEAT TREATMENT OF METALS]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tehnicheskogo obshchestva mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, nos. 2-3, Feb. -Mar. 1963.

*METALLURG [METALLURGIST]. Issued by Gosudarstvennyi komitet po chernoi i svetloi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 8, nos. 3-4, Mar. -Apr. 1963.

MATERIALY GKZ PO METODIKE RAZVEDKI, PROMYSHLENNOI OTSENKE I PODSCHETU ZAPASOV MESTOROZHDENI POLEZNYKH ISKOPAEMYKH [MATERIALS OF THE STATE COMMITTEE ON MINERAL RESOURCES DEALING WITH PROSPECTING METHODS, EVALUATION, AND CALCULATION OF THE AMOUNT OF MINERAL DEPOSITS]. Issued by Gosudarstvennaia komissia po zapasam poleznykh iskopaemykh pri Sovete Ministrov SSSR [State Committee on Mineral Resources, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, no. 2, 1961.

NEFTIANIK [THE PETROLEUM WORKER]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for the Fuel Industry of the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 7, no. 7, July 1962; vol. 8, no. 1, Jan. 1963.

*POROSHKOVAIA METALLURGIYA [POWER METALLURGY]. Organ of Institut metallokeramiki i spetsial'nykh splavov AN USSR [Institute of Ceramic Metals and Special Alloys of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 3, no. 1(13), Jan. -Feb. 1963.

PROKOP'YEVSK. KUZNETSKII NAUCHNO-ISSEDOVATEL'SKII UGOL'NYI INSTITUT. Sbornik [KUZNETSK SCIENTIFIC RESEARCH COAL INSTITUTE. Papers]. Moscow, no. 8, 1961.

RAZVEDOCHNAIA I PROMYSLOVAIA GEOFIZIKA [PROSPECTING AND INDUSTRIAL GEOPHYSICS]. Issued by Vsesoluznyi nauchno-issledovatel'skii Institut geofizicheskikh metodov razvedki [All-Union Scientific Research Institute of Geophysical Methods of Prospecting]. Moscow, no. 46, 1962.

*REFERATIVNYI ZHURNAL: METALLURGIYA [JOURNAL OF ABSTRACTS: METALLURGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-4, Mar. - Apr. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. Sbornik statei [Ministry of the Geology and Conservation of Mineral Resources. Papers]. Moscow, no. 1, 1962.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshiikh uchebnykh zavedenii; chernaia metallurgiya [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]. Moscow, vol. 6, no. 2, 1963.

SHAKHTNOE STROITEL'STVO [MINE CONSTRUCTION]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR and Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR [State Committee for Construction in the U.S.S.R. and the State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 7, nos. 2, 4, Feb. -Apr. 1963.

17. MILITARY & NAVAL SCIENCES

a. MILITARY SCIENCE

NASHA PEREKLIKHKA [OUR ROLL CALL]. New York, vol. 4, no. 37(137), Feb. 1963.

VESTNIK PEROVOPKHODNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravlenie Kaliforniiskogo obshchestva uchastnikov i-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Kuban Campaign]. Los Angeles, nos. 16-17, Jan. -Feb. 1963.

VOENNYE ZNANIYA [MILITARY KNOWLEDGE]. Organ of Vsesoluznoe dobrovol'noe obshchestvo soderzhatel'no, aviatsii i floty [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 39, no. 2, Feb. 1963.

b. NAVAL SCIENCE

LENINGRAD, TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA, Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE, Information Bulletin], No. 69, 1961; nos. 73, 75, 1962. Tekhnicheskaya ekspluatatsiya morskogo flota [Operation and Maintenance of Merchant Ships], nos. 12-14,

LENINGRAD, TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO FLOTA, Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE, Transactions], No. 41, 1962.

MORSKOI FLOT [THE MERCHANT MARINE], Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U. S. S. R.], Moscow, vol. 23, no. 3, Mar. 1963.

NOVOSIBIRSK, INSTITUT INZHENEROV VODNOGO TRANSPORTA, Trudy [INSTITUTE OF WATER TRANSPORTATION ENGINEERS, Transactions], No. 12, 1962.

REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION], Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.], Moscow, nos. 3-4, Mar. - Apr. 1963. Avtorakii ukazatel' za 1962 g. [Author Index for 1962] [This journal is also issued in parts.]

RUSSIA (1923- U. S. S. R.) Ministerstvo morskogo Tekhnicheskoe upravlenie, Bulletin Tekhnicheskoi informatsii [Ministry of the Merchant Marine, Technical Administration, Bulletin of Technical and Economic Information], Leningrad vol. 7, no. 5(55), 1962.

SUDOSTROENIE [SHIPBUILDING], Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po sudostroeniю and Nauchno-tekhnicheskoe obshchestvo sudostroeniia [State Committee of the U. S. S. R. for Shipbuilding the Scientific Technological Society of the Shipbuilding Industry], Leningrad, vol. 20, no. 1(243), Jan. 1

SUBJECT INDEX TO MONOGRAPHS AND PERIODICALS

Arkheol. sbor. [Erm.] (4b)	Arkheologicheskii sbornik [Archaeological Papers] Issued by Gosudarstvennyi Ermitazh.	Ezhgod. knigi SSSR (2a)	Ezhgodnik knigi SSSR; sistematicheskii ukazatel' [Annual of Soviet Books; Classified Index]
Astron. zhur. (13b)	Astronomicheskii zhurnal [Journal of Astronomy]	Farmatsev. zhur. (14f)	Farmatsevticheskii zhurnal [Pharmaceutical Journal]
Atom. energ. (16e)	Atomnaya energiya [Atomic Energy]	Fiz.-mekh. svoist. dav. i razr. gor. porod (16h)	Fiziko-mekhanicheskie svoystva, davlenie i razrushenie gornykh porod [Physico-mechanical Properties, Pressure, and Disintegration of Rocks]
Atom. tekhn. za rub. (16e)	Atomnaya tekhnika za rubezhom [Nuclear Engineering Abroad]	Geod. i kart. (13b)	Geodeziya i kartografiya [Geodesy and Cartography]
Av. i kosm. (16b)	Aviatsiya i kosmonavtika [Aviation and Astronautics]	Geofiz. sbor. (13f)	Akademii nauk URSS, Kiev. Institut geofiziki. Geofizicheskii sbornik [Academy of Sciences of the Ukrainian S. S. R. Institute of Geophysics. Geophysical Papers]
Avt. prom. (16g)	Avtomobil'naya promyshlennost' [Automobile Industry]	Geol. i geofiz. (12c)	Geologiya i geofizika [Geology and Geophysics]
Avtom. i prib. (16e)	Avtomatika i priborostroenie [Automatic Control and Instrument Manufacture]	Geol. rud. mestoz. rozhd. (16h)	Geologiya rudnykh mestorozhdenii [Geology of Ore Deposits]
Avtom. i telem. i svyaz' (16e)	Avtomatika, telemekhanika i svyaz' [Automatic Control, Remote Control, and Communications]	Grazhd. av. (16b)	Grazhdanskaya aviatsiya [Civil Aviation]
Avtomatyka (16e)	Avtomatika [Automatic Control]	Inform. biul. nov. inostr. knig. po- stup. v Bibl. im. V. I. Len. Ser. 1 (2a)	Moscow. Publitsnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V. I. Lenina. Seriya 1: Fiziko-ma- tematicheskie, khimicheskie i geologo-geografiches- kie nauki; tekhnika i tekhnicheskie nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological and Geographical Sciences; Technology and Technological Sciences]
Azerb. khim. zhur. (13d)	Azerbaidzhanskii khimicheskii zhurnal [Azerbaijan Chemical Journal]	Inform. biul. nov. inostr. knig. po- stup. v Bibl. im. V. I. Len. Ser. 2 (2a)	Moscow. Publitsnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V. I. Lenina. Seriya 2: Biologicheskie, meditsinskoe i sel'skokhozyaistvennyye nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]
Azerb. med. zhur. (14a)	Azerbaidzhan tibb zhurnaly. Azerbaidzhanskii meditsinskii zhurnal [Azerbaijan Medical Journal]	Inform. biul. nov. inostr. knig. po- stup. v Bibl. im. V. I. Len. Ser. 3 (2a)	Moscow. Publitsnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V. I. Lenina. Seriya 3: Obshchestvennyye nauki, khudozhestvennaya literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles- Lettres, Art]
Bezop. truda v prom. (16a)	Bezopasnost' truda v promyshlennosti [Industrial Safety]	Inform. mat. VNIIP (2e)	Moscow. Vsesoyuznyi nauchno-issledovatel'skii Institut poligraficheskoi promyshlennosti. Informatsionnye materialy [All-Union Scientific Research Institute of the Printing Industry. Information Materials]
Bibliotekar' (2b)	Bibliotekar' [The Librarian]	Inform. pis'mo AKKH (16d)	Akademii kommunalnogo khozyaistva. Informa- tsionnoe pis'mo [Academy of Communal Economy. Information letter]
Biul. Abast. astro- fiz. obser. (13b)	Abastumani. Astrofizicheskaya observatoriya. Biulleten' [Astrophysical Observatory. Bulletin]	Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu (12b)	Moscow. Universitet. Geograficheskii fakul'tet. Infor- matsionnyi sbornik o rabotakh po Mezhdunarodnomu geofizicheskomu godu [University. Geographical Faculty. Information Bulletin on the Work for the International Geophysical Year]
Biul. Inst. biol. vodokhran. (13c)	Akademii nauk SSSR. Institut biologii vodokhranilisheh. Biulleten' [Academy of Sciences of the U.S.S.R. Institute of the Biology of Reservoirs. Bulletin]	Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spisokov i kartotek, sostavlenykh bibliotekami Sovetskogo Soюза [Information Index of Bibliographical Lists and Card Files, Compiled by the Libraries of the Soviet Union]
Biul. Ispol. kom. Mosk. gor. sov. (6)	Moscow. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]	Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]
Biul. MSK (12c)	Mezhvedomstvennyi stratigraficheskii komitet. Biulleten' [Interdepartmental Stratigraphic Committee. Bulletin]	Iskusstvo (10a)	Iskusstvo [Art]
Biul. Min. vys. i sred. spets. obr. SSSR (8a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]	Ist.-astron. issl. (13b)	Istoriko-astronomicheskie issledovaniya [Studies in the History of Astronomy]
Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota (17b)	Russia (1923- U.S.S.R.) Ministerstvo morskogo flota. Tekhnicheskoe upravlenie. Biulleten' tekhniko-ekono- micheskoi informatsii [Ministry of the Merchant Marine, Technical Administration. Bulletin of Technical and Economic Information]	Ist.-filol. zhur. (4a)	Akademii nauk Armianskoi SSR, Eriyan. Istoriko-filologiche- skii zhurnal [Academy of Sciences of the Armenian S.S.R. Historical and Philological Review]
Brat. vest. (3b)	Bratskii vestnik [Herald of Brotherhood]	IUn. tekhn. (16a)	IUnil tekhniki [Young Technician]
Bukhg. uchot (5a)	Bukhgalterskii uchot [Accounting]	Izobr. i rats. (16a)	Izobretatel' i ratsionalizator [Inventor and Efficiency Promoter]
Bum. prom. (16f)	Bumazhnaia promyshlennost' [Paper Industry]	Izv. AN Arm. SSR. Ser. fiz.-mat. nauk (13a)	Akademii nauk Armianskoi SSR, Eriyan. Izvestiya. Seriya fiziko-matematicheskikh nauk [Academy of Sciences of the Armenian S.S.R. Bulletin. Series in Physical and Mathematical Sciences]
Den. i kred. (5c)	Den'gi i kredit [Money and Credit]	Izv. AN Kir. SSR. Ser. est. i tekhn. nauk (1a)	Akademii nauk Kirgizskoi SSR, Frunze. Izvestiya. Seriya estestvennykh i tekhnicheskikh nauk [Academy of Sciences of the Kirghiz S.S.R. Bulletin. Series in the Natural and Technological Sciences]
Dokl. AN SSSR (13a)	Akademii nauk SSSR. Doklady [Academy of Sciences of the U.S.S.R. Reports]	Izv. AN SSSR. Otd. khim. nauk (13d)	Akademii nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk [Academy of Sciences of the U.S.S.R. Bulletin. Department of Chemical Sciences]
Dokl. APN (8a)	Akademii pedagogicheskikh nauk RSFSR, Moscow. Doklady [Academy of Pedagogical Sciences of the R.S.F.S.R. Reports]		
Dokl. i soob. VNIESKH (5b)	Moscow. Vsesoyuznyi nauchno-issledovatel'skii Institut ekonomiki sel'skogo khozyaistva. Doklady i soobshcheniya [All-Union Scientific Research Institute of Agricultural Economics. Reports and Papers]		
Doshk. vykh. (8a)	Doshkili'ne vykhovanniya [Preschool Education]		
Dosl. i mat. z ukr. movy (11a)	Doslidzhennia i materialy z ukrains'koi movy [Studies and Materials on the Ukrainian Language]		
Ekon. Rad. Ukr. (5b)	Ekonomika Radians'koi Ukrainy [Economics of the Soviet Ukraine]		
Elek. sta. (16e)	Elektricheskie stantsii [Electric Power Stations]		
Energetik (16e)	Energetika [Electric Power Technicians]		
Energokhoz. za rub. (16e)	Energokhoziaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Production and Utilization in Foreign Countries; supplement to the periodical "Electric Power Stations"]		
Energomashino- stroenie (16g)	Energomashinoostroenie [Power Machinery Construction]		

Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo (16h)	Akademii nauk SSSR, Izvestiya, Otdeleniye tekhnicheskikh nauk, Metallurgiya i gornoe delo [Academy of Sciences of the U.S.S.R., Bulletin, Department of Technological Sciences, Metallurgy and Mining]	Let. muz. lit. (8b)	Letopis' muzykal'noi literatury [Chronicle of Musical Literature]
Izv. AN SSSR Ser. geofiz. (13f)	Akademii nauk SSSR, Izvestiya, Seriya geofizicheskaya [Academy of Sciences of the U.S.S.R., Bulletin, Geophysical Series]	Let. period. izd. SSSR (2a)	Letopis' periodicheskikh izdaniy SSSR [Chronicle of Periodical Publications of the U.S.S.R.]
Izv. APN (8a)	Akademii pedagogicheskikh nauk RSFSR, Moscow, Izvestiya [Academy of Pedagogical Sciences of the R.S.F.S.R. Bulletin]	Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]
Izv. GosNIORKH (15b)	Leningrad, Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khozaistva, Izvestiya [State Scientific Research Institute of Lake and River Fisheries, Bulletin]	Lit. proizv. (16h)	Litinoe proizvodstvo [Foundry Practice]
Izv. Mold. fil. AN SSSR (1a)	Akademii nauk SSSR, Moldavskii filial, Izvestiya [Academy of Sciences of the U.S.S.R., Moldavian Branch, Bulletin]	Lit. Riaz. (11b)	Literaturnaya Riazan' [Literary Ryazan]
Izv. vys. ucheb. zav.; chern. met. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedeniy; chernaya metallurgiya [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]	Mashinostroitel' (16g)	Mashinostroitel' [Machine Builder]
Izv. vys. ucheb. zav.; energ. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedeniy; energetika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Power Engineering]	Mat. GKZ (16h)	Materialy GKZ po metodu razvedki, promyshlennoi otsenke i podachu zapasov mestorozhdeniy poleznykh iskopaemykh [Materials of the State Committee on Mineral Resources Dealing with Prospecting Methods, Evaluation, and Calculation of the Amount of Mineral Deposits]
Izv. vys. ucheb. zav.; mat. (13e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedeniy; matematika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Mathematics]	Mat. i issl. po arkheol. SSSR (4b)	Materialy i issledovaniya po arkheologii SSSR [Materials and Research in the Archaeology of the U.S.S.R.]
Izv. vys. ucheb. zav.; pishch. tekhn. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedeniy; pishchevaya tekhnologiya [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Food Technology]	Mat. i soob. issl. old. inst. po izuch. SSSR (4a)	Institut zur Erforschung der UdSSR, Materialy i soobshcheniya issledovatel'skogo otdela [Institute for the Study of the U.S.S.R., Materials and Reports of the Research Department]
Izv. vys. ucheb. zav.; radiotekh. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedeniy; radiotekhnika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Radio Engineering]	Mat. k uch. o merz. zon. zem. kory (12b)	Materialy k ucheniyu o merzlykh zonakh zemnoi kory [Materials for the Theories about the Permafrost Zones of the Earth's Crust]
Izv. vys. ucheb. zav.; stroit. i arkhit. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedeniy; stroitel'stvo i arkhit. [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Radio Engineering]	Mat. po geol. Tsent. Kazakh. (12c)	Materialy po geologii Tsentral'nogo Kazakhstana [Materials on the Geology of Central Kazakhstan]
Izv. vys. ucheb. zav.; tekhn. leg. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedeniy; tekhnologiya legkoj promyshlennosti [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Technology of Light Industry]	Mat. sbor. (13e)	Matematicheskii sbornik [Mathematical Review]
Khim.; sist. uk. st. v inostr. zhur. (13d)	Moscow, Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury, Khimika; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature, Chemistry; Classified Index of Articles in Foreign Periodicals]	Matematika (13e)	Matematika; periodicheskiy sbornik perevodov inostrannykh statei [Mathematics; Translations of Foreign Articles]
Khim. geog. (12b)	Khimicheskaya geografiya [Chemical Geography]	Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]
Khim. prom. (16c)	Khimicheskaya promyshlennost' [Chemical Industries]	Mekhanika (16g)	Mekhanika; periodicheskiy sbornik perevodov inostrannykh statei [Mechanics; Translations of Foreign Articles]
Khol. tekhn. (16c)	Kholodil'naya tekhnika [Refrigeration Engineering]	Metallaved. i term. obr. met. (16h)	Metallavedeniye i termicheskaya obrabotka metallov [Metals and Heat Treatment of Metals]
Kib., avtom. i telemekh. i annot. ukaz. lit. (16e)	Kibernetika, avtomatika i telemekhanika; annotirovannyi ukazatel' literatury [Cybernetics, Automatic Control, and Remote Control; Annotated Bibliography]	Metallurg (16h)	Metallurg [Metallurgist]
Kin. i kat. (13d)	Kinetika i kataliz [Kinetics and Catalysis]	Meteor. i gidrol. (13f)	Meteorologiya i gidrologiya [Meteorology and Hydrology]
Klub (5e)	Klub [The Club]	Mezhdunar. zhizn' (6)	Mezhdunarodnaya zhizn' [International Life]
Knizh. let. (2a)	Knizhnaya letopis' [Book Chronicle]	Mikrobiologiya (13e)	Mikrobiologiya [Microbiology]
Koks i khim. (16c)	Koks i khimiya [Coke and Chemistry]	Mir. ekon. i mezhdunar. otn. (5b)	Mirovaya ekonomika i mezhdunarodnye otnosheniya [World Economics and International Relations]
Komm. Bel. (8)	Kommunist Belorusii [Communist of White Russia]	Mor. flot (17b)	Morskoi flot [The Merchant Marine]
Komsom. zhizn' (5e)	Komsomol'skaya zhizn' [Life of Communist Youth]	NTO (16a)	Vsesoyuznyi sovet nauchno-tekhnicheskikh obshchestv, Nauchno-tekhnicheskoe obshchestvo SSSR [All-Union Council of Scientific Technological Societies, Scientific Technological Societies of the U.S.S.R.]
Kons. i ov. prom. (16c)	Konservnaya i ovoshechesushil'naya promyshlennost' [The Canning and Dehydrated Vegetable Industry]	Na stroit. Ros. (16d)	Na stroitkakh Rossii [At Russian Construction Projects]
Koop. Kazakh. (5a)	Kooperator Kazakhstana [The Cooperative Worker of Kazakhstan]	Na temy dnya (2a)	Leningrad, Publitchnaya biblioteka, Na temy dnya [Public Library, Topics of the Day]
Kozh. -obuv. prom. (16f)	Kozhevenno-obuvnaya promyshlennost' [Leather and Footwear Industry]	Nar. khoz. Uzb. (5b)	Narodnoe khozaistvo Uzbekistana [The National Economy of Uzbekistan]
Krat. soob. inst. arkheol. (4b)	Akademii nauk SSSR, Institut arkheologii, Kratkie soobshcheniya o dokladakh i polevykh issledovaniyakh [Academy of Sciences of the U.S.S.R., Institute of Archaeology, Brief Summaries of Reports and Field Explorations]	Nauch. dokl. vys. shkoly; filos. nauki (3a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Nauchnye doklady vyssheikh shkoly; filosofskie nauki [Ministry of Higher and Secondary Specialized Education, Research Papers of Higher Schools; Philosophical Sciences]
Krat. soob. inst. nar. Az. (4a)	Akademii nauk SSSR, Institut narodov Azii, Kratkie soobshcheniya [Academy of Sciences of the U.S.S.R., Institute of the Peoples of Asia, Brief reports]	Nauch. soob. IAFAN SSSR (1a)	Akademii nauk SSSR, IAKutskii filial, Yakutsk. Nauchnye soobshcheniya [Academy of Sciences of the U.S.S.R., Yakut Branch, Scientific Reports]
Kul't. i zhizn' (1b)	Kul'tura i zhizn' [Culture and Life]	Nauch. trudy VIESKH (16e)	Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut elektrifikatsii sel'skogo khozaistva, Nauchnye trudy [All-Union Scientific Research Institute of Rural Electrification, Scientific Transactions]
Kul't.-pros. rab. (8a)	Kul'turno-prosvetitel'naya rabota [Cultural and Educational Work]	Nauka i rel. (3b)	Nauka i religiya [Science and Religion]
Les. prom. (15c)	Lesnaya promyshlennost' [Forest Industries]	Nauka i zhizn' (13a)	Nauka i zhizn' [Science and Life]
Let. gaz. st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]	Nauka i zhytiya (13a)	Nauka i zhytiya [Science and Life]
Let. izobr. isk. (10a)	Letopis' izobrazitel'nogo iskusstva [Chronicle of Fine Arts]	Neftianik (16h)	Neftianik [The Petroleum Worker]
		Nov. i noveish. ist. (4a)	Novaya i noveishaya istoriya [Modern and Recent History]
		Nov. inostr. ekon. lit. (5b)	Novaya inostrannaya ekonomicheskaya literatura [New Foreign Economic Literature]
		Nov. inostr. lit. po filos. (3a)	Novaya inostrannaya literatura po filosofii [New Foreign Literature on Philosophy]
		Nov. inostr. lit. po iaz. (11a)	Novaya inostrannaya literatura po iazykoznaniiu [New Foreign Literature on Linguistics]
		Nov. inostr. lit. po ist., arkheol. i etn. (4a)	Novaya inostrannaya literatura po istorii, arkheologii i etnografii [New Foreign Literature on History, Archaeology, and Ethnography]
		Nov. inostr. lit. po lit. (11b)	Novaya inostrannaya literatura po literaturovedeniю [New Foreign Literature on the Study of Literature]

Nov. knigi (2a) Novye knigi [New Books]
 Nov. knigi; bibl. ezhe- Ned. (2a) t Novye knigi; bibliograficheskiy ezhenedel'nik [New Books; Bibliographical Weekly]
 Nov. lit. o nauke i nauch.-issledovatel'skoi rabote za rubezhom (2a) Novaya literatura o nauke i nauchno-issledovatel'skoi rabote za rubezhom [New Literature on Science and Research Abroad]
 Nov. lit. po Bolg. (2a) Novaya literatura po Bolgarii [New Literature on Bulgaria]
 Nov. lit. po Chekh. (2a) Novaya literatura po Chexoslovanii [New Literature on Czechoslovakia]
 Nov. lit. po Ger. Dem. Resp. (2a) Novaya literatura po Germanской Demokraticeskoi Respublike [New Literature on the German Democratic Republic]
 Nov. lit. po IUG. (2a) Novaya literatura po Iugoslavii [New Literature on Yugoslavia]
 Nov. lit. po Pol'she (2a) Novaya literatura po Pol'she [New Literature on Poland]
 Nov. lit. po Rum. (2a) Novaya literatura po Rumynii [New Literature on Rumania]
 Nov. lit. po Veng. (2a) Novaya literatura po Vengrii [New Literature on Hungary]
 Nov. sov. ekon. lit. (5b) Novaya sovetskaya ekonomicheskaya literatura [New Soviet Economic Literature]
 Nov. sov. i inostr. lit. po stran. zarub. Vost. (2a) Novaya sovetskaya i inostrannaya literatura po stranam zarubezhnogo Vostoka [New Soviet and Foreign Literature on the Countries of the Non-Soviet East]
 Nov. sov. i inostr. lit. po vop. relig. i ateiz. (3b) Novaya sovetskaya i inostrannaya literatura po voprosam religii i ateizma [New Soviet and Foreign Literature on the Problems of Religion and Atheism]
 Nov. sov. lit. o nauke i nauch.-issledovatel'skoi rabote v SSSR (2a) Novaya sovetskaya literatura o nauke i nauchno-issledovatel'skoi rabote v SSSR [New Soviet Literature on Science and General Research in the U.S.S.R.]
 Nov. sov. lit. po filos. (3a) Novaya sovetskaya literatura po filosofii [New Soviet Literature on Philosophy]
 Nov. sov. lit. po laz. (11a) Novaya sovetskaya literatura poazykoznaniiu [New Soviet Literature on Linguistics]
 Nov. sov. lit. po isl. i arkh. i etn. (4a) Novaya sovetskaya literatura po istorii, arkhologii i etnografii [New Soviet Literature on History, Archaeology, and Ethnography]
 Nov. sov. lit. po lit. (11b) Novaya sovetskaya literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]
 Nov. vrem. (8) Novoe vremia [New Times]
 Num. i epig. (4b) Numismatika i epigrafika [Numismatics and Epigraphy]
 Oft. zhur. (14d) Oftalmologicheskii zhurnal [Ophthalmological Journal]
 Ogonek (1b) Ogonek [The Little Light]
 Opt. i spekt. (13f) Optika i spektroskopii [Optics and Spectroscopy]
 Osn. fund. i mekh. grun. (16d) Osnovaniia, fundamenti i mekhanika gruntov [Foundations and Soil Mechanics]
 Otv. na vop. trud. (1b) Otvety na voprosy trudashchikhsia [Replies to Workers' Questions]
 Part. zhizn' (8) Partinaya zhizn' [Party Life]
 Plan. khoz. (5b) Planovoe khoziaistvo [Planned Economy]
 Po rad. Ukr. (1b) Ukrain'ske tovarystvo druzhby i kul'turnoho z'vyazku z zarubizhnyimi kraiinami. Po radianskii Ukraini; foto-khronika [Ukrainian Society for Friendship and Cultural Relations with Foreign Countries. Through the Soviet Ukraine; Photo Report]
 Pochvovedenie (16a) Pochvovedenie [Soil Science]
 Poligr. proizv. (2c) Poligraficheskoe proizvodstvo [Printing Industry]
 Polit. samoobr. (8) Politicheskoe samooobrazovanie [Political Self-Education]
 Porosh. met. (16h) Poroshkovai metallurgii [Powder Metallurgy]
 Pov. plod. pochv. nechernozem. pol. (15d) Povyshenie plodorodii pochv nechernozemnoi polosy [Improving Soil Fertility in the Non-Chernozem Belt]
 Pozh. delo (16d) Pozharnoe delo [Fire Fighting]
 Prak. sudebnopsikh. ekspert. (14c) Praktika sudebnopsikhicheskoi ekspertizy [Practice of Forensic Psychiatry Expertise]
 Probl. stom. (14h) Problemy stomatologii [Problems of Stomatology]
 Probl. sud. psikh. (14c) Problemy sudebnoi psikhiatrii [Problems of Forensic Psychiatry]
 Prof. -tekh. obr. (16a) Professional'no-tekhnicheskoe obrazovanie [Vocational Technical Education]
 Prom. stroit. (10d) Promyshlennoe stroitel'stvo [Industrial Construction]
 Prom. stroit. i inzh. soor. (16d) Promyshlennoe stroitel'stvo i inzhenernye sooruzheniia [Industrial Construction and Engineering Structures]
 Prikl. mekh. (16g) Prikladnaia mekhanika [Applied Mechanics]
 Put' i put. khoz. (16d) Put' i putevye khoziaistvo [Railroad Tracks and Roadway Maintenance]
 Rabotnitsa (5d) Rabotnitsa [The Woman Worker]

Rad. lit. (11b) Radiants'ke literaturoznavstvo [Soviet Literary Review]
 Rad. shk. (8a) Radiants'ka shkola [Soviet School]
 Radio (16e) Radio [Radio]
 Radiotekh. i elektron. (16e) Radiotekhnika i elektronika [Radio Engineering and Electronics]
 Radiotekhnika (16e) Radiotekhnika [Radio Engineering]
 Raspr. pech. (2c) Rasprostraneniye pechaty [Distribution of Publications]
 Razved. i prom. geofiz. (16h) Razvedochnaia i promyslovaia geofizika [Prospecting and Industrial Geophysics]
 Ref. sbor. : Ekon. prom. (5b) Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry]
 Ref. zhur. : Astron. (13b) Referativnyi zhurnal: Astronomiia (Otdel'nyi vypusk 51) [Journal of Abstracts: Astronomy (Separate Issue 51)]
 Ref. zhur. : Av. i rak. i dvig. (18b) Referativnyi zhurnal: Aviatsonnye i raketye dvigateli (Otdel'nyi vypusk 34) [Journal of Abstracts: Aircraft and Rocket Engines (Separate Issue 34)]
 Ref. zhur. : Avi. dor. (16d) Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]
 Ref. zhur. : Avi. i gor. transp. (16g) Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]
 Ref. zhur. : Biol. (13c) Referativnyi zhurnal: Biologiya [Journal of Abstracts: Biology]
 Ref. zhur. : Biol. khim. (13c) Referativnyi zhurnal: Biologicheskaya khimiia (Otdel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry (Separate Issue 30f)]
 Ref. zhur. : Elek. i ee prim. (16e) Referativnyi zhurnal: Elektronika i ee primeneniye [Journal of Abstracts: Electronics and its applications]
 Ref. zhur. : Farm. Toks. (14f) Referativnyi zhurnal: Farmakologiya, Toksikologiya (Otdel'nyi vypusk 54) [Journal of Abstracts: Pharmacology, Toxicology (Separate Issue 54)]
 Ref. zhur. : Fotokinetekh. (16g) Referativnyi zhurnal: Fotokinetekhnika (Otdel'nyi vypusk 46) [Journal of Abstracts: Photographic and Motion-Picture Equipment (Separate Issue 46)]
 Ref. zhur. : Fiz. (13f) Referativnyi zhurnal: Fizika [Journal of Abstracts: Physics]
 Ref. zhur. : Geod. (13b) Referativnyi zhurnal: Geodeziia (Otdel'nyi vypusk 52) [Journal of Abstracts: Geodesy (Separate Issue 52)]
 Ref. zhur. : Geofiz. (13f) Referativnyi zhurnal: Geofizika [Journal of Abstracts: Geophysics]
 Ref. zhur. : Geol. (12c) Referativnyi zhurnal: Geologiya [Journal of Abstracts: Geology]
 Ref. zhur. : Ger. , stroit. i dor. mashinost. (16g) Referativnyi zhurnal: Gornoe, stroitel'noe i dorozhnoe mashinostroenie (Otdel'nyi vypusk 43) [Journal of Abstracts: Manufacture of Mining Machinery, Construction Equipment, and Road Machinery (Separate Issue 43)]
 Ref. zhur. : Leg. prom. (16f) Referativnyi zhurnal: Legkaya promyshlennost' [Journal of Abstracts: Light Industry]
 Ref. zhur. : Mashinostroi. , mat. , konstr. i rasch. det. mash. (16g) Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktii i raschet detalei mashin (Otdel'nyi vypusk 48) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
 Ref. zhur. : Mat. (13a) Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]
 Ref. zhur. : Med. geog. (14a) Referativnyi zhurnal: Meditsinskaya geografiia (Otdel'nyi vypusk 38) [Journal of Abstracts: Medical Geography (Separate Issue 38)]
 Ref. zhur. : Mpt. (16h) Referativnyi zhurnal: Metallurgiya [Journal of Abstracts: Metallurgy]
 Ref. zhur. : Metr. i izm. tek. (16a) Referativnyi zhurnal: Metrologiya i izmeritel'naya tekhnika (Otdel'nyi vypusk 32) [Journal of Abstracts: Mensuration and Measurement Techniques (Separate Issue 32)]
 Ref. zhur. : Ob. vop. pat. Onk. (14e) Referativnyi zhurnal: Obshchie voprosy patologii, Onkologiya (Otdel'nyi vypusk 53) [Journal of Abstracts: General Problems of Pathology, Oncology (Separate Issue 53)]
 Ref. zhur. : Pochv. (15a) Referativnyi zhurnal: Pochvovedenie (Otdel'nyi vypusk 57) [Journal of Abstracts: Soil Science (Separate Issue 57)]
 Ref. zhur. : Prom. transp. (16g) Referativnyi zhurnal: Promyshlennyi transport [Journal of Abstracts: Industrial Transportation]
 Ref. zhur. : Radiotekh. i elektrosviaz' (16e) Referativnyi zhurnal: Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]
 Ref. zhur. : Rast. (15d) Referativnyi zhurnal: Rastenievodstvo (Otdel'nyi vypusk 55) [Journal of Abstracts: Plant Culture (Separate Issue 55)]
 Ref. zhur. : Stroit. i arkh. (16d) Referativnyi zhurnal: Stroitel'stvo i arkhitektura [Journal of Abstracts: Construction and Architecture]
 Ref. zhur. : Tekh. i obr. , bumagodel. i poligr. proizv. (16g) Referativnyi zhurnal: Tekhnologiya i obrabotkanie bumagodelatel'nogo i poligraficheskogo proizvodstva (Otdel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Papermaking and Printing Industry (Separate Issue 37)]
 Ref. zhur. : Tekh. mashinost. (16g) Referativnyi zhurnal: Tekhnologiya mashinostroeniia [Journal of Abstracts: Technology of Machinery Manufacture]

Ref. zhur. : Teploenerg. (16g)	Referativnyi zhurnal: Teploenergetika [Journal of Abstracts: Heat Engineering]	Soob. VTSNILKR (10a)	Moscow. Vsesoyuznaya tsentral'naya nauchno-issledovatel'skaya laboratoriya po konservatsii i restavratsii muzeinykh khudozhestvennykh tsennostei. Soobshcheniia [All-Union Central Scientific Research Laboratory on the Conservation and Restoration of Museum Art Treasures. Reports]
Ref. zhur. : Toch. mekh., opt. i isp. app. (10g)	Referativnyi zhurnal: Tekhnika mekhanika, optika i ispyatel'naya apparatura (Otdel'nyi vypusk 40) [Journal of Abstracts: Precision Mechanics, Optics, and Testing Apparatus (Separate Issue 40)]	Sots.trud (5d)	Sotsialisticheskiy trud [Socialist Labor]
Ref. zhur. : Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal: Traktory i sel'skokhoziaistvennye mashiny i orudlia (Otdel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Separate Issue 44)]	Sots.zakon. (7)	Sotsialisticheskaya zakonnost' [Socialist Legality]
Ref. zhur. : Trub. transp. (16g)	Referativnyi zhurnal: Truboprovodnyi transport (Otdel'nyi vypusk 45) [Journal of Abstracts: Pipeline Transportation (Separate Issue 45)]	Sov. etn. (12a)	Sovetskaya etnografiia [Soviet Ethnography]
Ref. zhur. : Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]	Sov. geol. (12c)	Sovetskaya geologiya [Soviet Geology]
Ref. zhur. : Vop. tekh. prog. i org. proizv. v mashinostro. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]	Sov. gos. i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Ref. zhur. : Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air Transportation]	Sov. iust. (7)	Sovetskaya iustitsiia [Soviet Justice]
Ref. zhur. : Vzaimodels. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal: Vzaimodelstvie raznykh vidov transporta i konteinernye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]	Sov. knizh. torg. (2c)	Sovetskaya knizhnaya torgovlia [Soviet Book Trade]
Ref. zhur. : Zhelezn. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]	Sov. Kras. krest (5e)	Sovetskii Krasnyi krest [Soviet Red Cross]
Ref. zhur. : Zhiv. Vel. (15b)	Referativnyi zhurnal: Zhiivotovodstvo, Veterinariia (Otdel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry, Veterinary Medicine (Separate Issue 58)]	Sov. pech. (11b)	Sovetskaya pechat' [Soviet Press]
Rent. min. syr. (12c)	Rentgenografiia mineral'nogo syr'ia [Radiography of Minerals]	Sov. pedagog. (8a)	Sovetskaya pedagogika [Soviet Pedagogy]
Rez. nabl. sov. isk. sput. Zem. (13b)	Akademii nauk SSSR. Institut teoreticheskoi astronomii. Rezul'taty nabludeniia sovetskikh iskusstvennykh sputnikov Zemli [Academy of Sciences of the U.S.S.R. Institute of Theoretical Astronomy. Results of Observations of Soviet Artificial Earth Satellites]	Sov. potreb. koop. (3b)	Sovetskaya potrebitel'skaya kooperatsiia [Soviet Consumer Cooperation]
Ryb. khoz. (15b)	Rybnoe khoziaistvo [Fisheries]	Sov. profsoiuzy (5d)	Sovetskie profsoiuzy [Soviet Trade Unions]
Sbor. izobr. v v ryb. prom. (15b)	Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Sbornik izobretenii v rybnoi promyshlennosti. [All-Union Scientific Institute of Marine Fisheries and Oceanography. Papers on Inventions in the Fishing Industry]	Sov. Soluz (1b)	Sovetskii Soluz [Soviet Union]
Sbor. Kuz. NIUI (16h)	Prokopyevsk. Kuznetskii nauchno-issledovatel'skii ugo'nyi institut. Sbornik [Kuznetsk Scientific Research Coal Institute. Papers]	Sov. torg. (5a)	Sovetskaya torgovlia [Soviet Commerce]
Sbor. nauch. trud. LISI (16d)	Leningrad. Inzhenerno-stroitel'nyi institut. Sbornik nauchnykh trudov [Civil Engineering Institute. Papers]	Sov. Ukr. (11b)	Sovetskaya Ukraina [Soviet Ukraine]
Sbor. st. MGION (16h)	Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. Sbornik statei [Ministry of the Geology and Conservation of Mineral Resources. Papers]	Sov. zdrav. Kir. (14a)	Sovetskoe zdravookhranenie Kirgizii [Soviet Health Service of Kirghizia]
Sbor. trud. NIIST (16d)	Akademii stroitel'stva i arkhitektury SSSR. Institut sanitarnoi tekhniki. Sbornik trudov [Academy of Construction and Architecture of the U.S.S.R. Institute of Sanitary Engineering. Collected Papers]	Spir. prom. (16c)	Spirtovala promyshlennost' [Distilling Industry]
Sbor. trud. NIIZhelezo- betona (16d)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut zhelezobetonnykh izdelii, stroitel'nykh i nerudnykh materialov. Sbornik trudov [State Scientific Research Institute of Reinforced Concrete Products, Building Materials, and Rock Products. Collected Papers]	Sred. spets. obr. (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]
Sbor. trud. po ag- ron. fiz. (15a)	Sbornik trudov po agronomicheskoi fizike [Papers on Agricultural Physics]	Stan. i instr. (10g)	Stanki i instrument [Machine Tools and Their Cutting Tools]
Sbor. trud. VNIINerud (16d)	Vsesoyuznyi nauchno-issledovatel'skii institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii. Sbornik trudov [All-Union Scientific Research Institute of Rock Building Materials and Hydraulic Mechanization. Papers]	Stek. i ker. (16c)	Steklo i keramika [Glass and Ceramics]
Sel'. khoz. (15a)	Sel'skoe khoziaistvo; sistemacheskii ukazatel' statei v inostrannykh zhurnalakh [Agriculture; Classified Index of Articles in Foreign Periodicals]	Stroi. i arkhit. (10b)	Stroitel'stvo i arkhitektura [Construction and Architecture]
Sel'. mekh. (15a)	Sel'skii mekhanizator [The Rural Mechanic]	Stroi. i arkhit. Len. (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]
Sel'. stroi. (16d)	Sel'skoe stroitel'stvo [Rural Construction]	Stroi. i arkhit. Mosk. (10b)	Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]
Sel'. khoz. lit. SSSR (15a)	Sel'skokhoziaistvennaya literatura SSSR [Agricultural Literature of the U.S.S.R.]	Stroi. i dor. mash. (16g)	Stroitel'nye i dorozhnye mashiny [Road and Construction Machinery]
Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]	Stroi. truboprov. (16d)	Stroitel'stvo truboprovodov [Pipeline Construction]
Shakht. stroi. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]	Stroitel' (16d)	Stroitel' [The Bulldozer]
Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Industry]	Sudostroenie (17b)	Sudostroenie [Shipbuilding]
Sib. mat. zhur. (13c)	Sibirskii matematicheskii zhurnal [Siberian Mathematical Journal]	Svar. proizv. (16f)	Svarochnoe proizvodstvo [Welding Practice]
Smena (5e)	Smena [The Younger Generation]	Tekh. kino i telev. (9a)	Tekhnika kino i televizionnaia [Motion-Picture and Television Engineering]
Soob. GAISH (13b)	Moscow. Universitet. Gosudarstvennyi astronomicheskii institut. Soobshcheniia [University. State Astronomical Institute. Reports]	Tekh. mol. (18a)	Tekhnika - molodezhi [Technology for Youth]
		Teor. i prak. fiz. kul't. (8b)	Teoriia i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]
		Teor. veroiat. i ee prim. (13e)	Teoriia veroiatnostei i ee primeneniia [Theory of Probability and Its Applications]
		Teploenergetika (16g)	Teploenergetika [Heat Engineering]
		Torg. za rub. (5a)	Torgovlia za rubezhom [Trade Abroad]
		Trakt. i sel'khoz- mash. (16g)	Traktory i sel'khoz mashiny [Tractors and Agricultural Machinery]
		Transp. stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]
		Trudy Alt. GMNII AN Kazakh. SSR (16h)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Altalekii gornometallurgicheskii nauchno-issledovatel'skii institut. Trudy [Academy of Sciences of the Kazakh S.S.R. Altai Scientific Research Institute of Mining and Metallurgy. Transactions]
		Trudy Arkhiva AN SSSR (13a)	Akademii nauk SSSR. Arkhiv. Trudy [Academy of Sciences of the U.S.S.R. Archives. Transactions]
		Trudy Fiz. inst. (13f)	Akademii nauk SSSR. Fizicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Institute of Physics. Transactions]
		Trudy GGI (12b)	Leningrad. Gosudarstvennyi gidrologicheskii institut. Trudy [State Hydrological Institute. Transactions]
		Trudy GIN (12c)	Akademii nauk SSSR. Geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Geological Institute. Transactions]
		Trudy GPI (18a)	Gorkiy. Politekhicheskii institut. Trudy [Polytechnic Institute. Transactions]
		Trudy IAFAN SSSR. Ser. geol. (12c)	Akademii nauk SSSR. Yakutskii filial, Yakutsk. Trudy. Seriya geologicheskaya [Academy of Sciences of the U.S.S.R. Yakut Branch. Transactions, Geological Series]
		Trudy IGEM (12c)	Akademii nauk SSSR. Institut rudnykh i nerudnykh razvedeni, petrografii, mineralogii i geokhimi. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Geology of Ore Deposits, Petrology, Mineralogy, and Geochemistry. Transactions]

Trudy Inst. biol. UFAN SSSR (13c)	Akademii nauk SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Biology. Transactions]	Ved. Verkh. Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Trudy Inst. gor. dela UFAN SSSR (16h)	Akademii nauk SSSR. Ural'skii filial, Sverdlovsk. Institut gornogo dela. Trudy [Academy of Sciences of the U.S.S.R. Ural Branch. Institute of Mining. Transactions]	Vest. AN SSSR (1a)	Akademii nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]
Trudy Khop. gos. zap. (13c)	Khoperskii gosudarstvennyi zapovednik. Trudy [Kheper State Preserve. Transactions]	Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]
Trudy Kish. gos. med. inst. (14a)	Kishinev. Gosudarstvennyi meditsinskii institut. Trudy [State Medical Institute. Transactions]	Vest. mashinost. (16g)	Vestnik mashinostroyeniia [Machine-Building Review]
Trudy LOII AN SSSR (4a)	Akademii nauk SSSR. Institut istorii. Leningradskoe otdelente. Trudy [Academy of Sciences of the U.S.S.R. Institute of History. Leningrad Branch. Transactions]	Vest. Morsk. un. Ser. 5: Geog. (12b)	Moscow. Universitet. Vestnik. Seria 5: Geografiia [University. Review. Series 5: Geography]
Trudy Lab. ozero-ved. (13c)	Akademii nauk SSSR. Laboratoriia ozerovedeniia. Trudy [Academy of Sciences of the U.S.S.R. Laboratory of Limnology. Transactions]	Vest. otorin. (14d)	Vestnik otorinolaringologii [Review of Otorhinolaryngology]
Trudy Len. inst. epid. i mikrobiol. (14a)	Leningrad. Leningradskii institut epidemiologii i mikrobiologii im. Pastera. Trudy [Leningrad Pasteur Institute of Epidemiology and Microbiology. Transactions]	Vest. sel'khoz. nauki (15a)	Vestnik sel'skokhoziaistvennoi nauki [Review of Agricultural Science]
Trudy MIIT (16g)	Moscow. Moskovskii institut inzhenerov zheleznodorozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation. Transactions]	Vest. stat. (5b)	Vestnik statistiki [Statistical Review]
Trudy NIIVTA (17b)	Novosibirsk. Institut inzhenerov vodnogo transporta. Trudy [Institute of Water Transportation Engineers. Transactions]	Vest. svyazi (16e)	Vestnik svyazi [Communications Review]
Trudy NPI (16a)	Novocherkassk. Politekhnicheskii institut. Trudy [Polytechnic Institute. Transactions]	Vest. vys. shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR (13c)	Akademii nauk Tadzhikskoi SSR, Dushanbe. Otdel fiziologii i biofiziki rastenii. Trudy [Academy of Sciences of the Tajik S.S.R. Department of Plant Physiology and Biophysics. Transactions]	Visnyk sil'skohosp. nauky (15a)	Visnyk sil'skohospodars'koi nauky [Review of Agricultural Science]
Trudy SNIIGGIMS (12c)	Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. Trudy [Siberian Scientific Research Institute of Geology, Geophysics, and Mineral Resources. Transactions]	Voen. znani. (17a)	Voennye znaniia [Military Knowledge]
Trudy Sevan. gidrobiol. sta. (13c)	Sevan. Gidrobiologicheskaiia stantsiia. Trudy [Hydrobiological Station. Transactions]	Volov. ateist (3b)	Volovnychyl ateist [Militant Atheist]
Trudy TASHIIT (16d)	Tashkent. Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Institute of Railroad Transportation Engineers. Transactions]	Vokrug sveta (12b)	Vokrug sveta [Around the World]
Trudy TSNIIMF (17b)	Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut morskogo flota. Trudy [Central Scientific Research Institute of the Merchant Marine. Transactions]	Vop. antr. (12a)	Voprosy antropologii [Problems of Anthropology]
Trudy VNIGRI (12c)	Leningrad. Vsesoiuznyi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]	Vop. biofiz., biokhim. i pat. erit. (13c)	Voprosy biofiziki, biokhimii i patologii eritrotsitov [Problems in the Biophysics, Biochemistry, and Pathology of Erythrocytes]
Trudy VNIIE (16a)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut elektronenergetiki. Trudy [All-Union Scientific Research Institute of Electric Power Engineering. Transactions]	Vop. biol. i kraev. med. (13c)	Voprosy biologii i kraevoi meditsiny [Problems of Biology and Endemic Medicine]
Trudy VNIIEK (16b)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut konevodstva. Trudy [All-Union Scientific Research Institute of Horse Breeding. Transactions]	Vop. doz. i zashch. ot izluch. (13f)	Moscow. Inzhenerno-fizicheskii institut. Voprosy dozimetrii i zashchity ot izlucheniia [Institute of Engineering Physics. Problems of Dosimetry and Radiation Protection]
Trudy VSEGEI (12c)	Leningrad. Vsesoiuznyi geologicheskii institut. Trudy [All-Union Geological Institute. Transactions]	Vop. ekon. (5b)	Voprosy ekonomiki [Problems of Economics]
Trudy VSGI SO AN SSSR (12c)	Akademii nauk SSSR. Sibirskoe otdelente. Vostochno-Sibirskii geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. East Siberian Geological Institute. Transactions]	Vop. filos. (3a)	Voprosy filosofii [Problems of Philosophy]
Trudy Vest. -Sib. III. AN SSSR (1a)	Akademii nauk SSSR. Vostochno-Sibirskii filial, Irkutsk. Trudy [Academy of Sciences of the U.S.S.R. East Siberian Branch. Transactions]	Vop. ist. (4a)	Voprosy istorii [Problems of History]
TSitologiya (13c)	TSitologiya [Cytology]	Vop. lat. KPSS (6)	Voprosy istorii KPSS [Problems of the History of the Communist Party of the Soviet Union]
Uch. trudy Sverd. iur. inst. (7)	Sverdlovsk. Iuridicheskii institut. Uchenye trudy [Juridical Institute. Studies]	Vop. pat. krovi i krovoobr. (14c)	Voprosy patologii krovi i krovoobrascheniia [Problems of the Pathology and Circulation of Blood]
Uch. zap. MGPI (1a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]	Vop. raket. tekhn. (16b)	Voprosy raketnoi tekhniki; sbornik perevodov i obzоров inostranoi periodicheskoi literatury [Problems of Rocket Engineering; Translations and Surveys of Foreign Periodical Literature]
Uch. zap. Mosk. gor. ped. inst. (1a)	Moscow. Gorodskoi pedagogicheskii institut. Uchenye zapiski [Moscow City Pedagogical Institute. Studies]	Vop. revm. (14a)	Voprosy revmatizma [Problems of Rheumatism]
Uch. zap. Ped. inst. Gerts. (1a)	Leningrad. Gosudarstvennyi pedagogicheskii institut imeni A. I. Gertsena. Uchenye zapiski [A. I. Herzen State Pedagogical Institute. Studies]	Vsem. prof. dvizh. (5d)	Vsemirnnoe profsoliuznoe dvizhenie [World Trade-Union Movement]
Ukr. ist. zhur. (4a)	Ukrains'kyi istorychnyi zhurnal [Ukrainian Historical Journal]	Zap. LGI (16h)	Leningrad. Gornyi institut. Zapiski [Institute of Mining. Records]
Ukr. mat. zhur. (13e)	Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]	Zap. Vses. geog. ob-va (12b)	Geograficheskoe obshchestvo SSSR. Zapiski. Novaiia seriia [Geographic Society of the U.S.S.R. Annals. New Series]
Ukr. mova v shkoli (11a)	Ukrains'ka mova v shkoli [Ukrainian Language in Schools]	Zarub. radioelek. (16e)	Zarubezhnaia radioelektronika [Radio Electronics Abroad]
Ukraina (1b)	Ukraina [The Ukraine]	Zbir. prats' Inst. topl. AN URSS (16g)	Akademii nauk URSS, Kiev. Instytut teploenergetiky. Zbirnyk prats' [Academy of Sciences of the Ukrainian S.S.R. Institute of Heat Engineering. Papers]
Usp. fiz. nauk (13f)	Usp ekhi fizicheskikh nauk [Progress in the Physical Sciences]	Zdorov'ia (14a)	Zdorov'ia [Health]
Usp. soyv. biol. (13c)	Usp ekhi soyremennoi biologii [Progress in Contemporary Biology]	Zdrav. Ros. Feder. (14a)	Zdravookhraneniie Rossiiskoi Federatsii [Health Service of the Russian Federation]
Uzbekiston (1b)	Uzbekiston [Uzbekistan]	Zdrav. Turk. (14a)	Zdravookhraneniie Turkmenistana [Health Service of Turkmenistan]
V mire knig (2a)	V mire knig [In the World of Books]	Zhil. -kom. khoz. (16d)	Zhiliishchno-kommunat'noe khoziaistvo [Housing and Communal Services]
Ved. Verkh. Sov. RSFSR (6)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]	Zhil. stroit. (16d)	Zhiliishchnoe stroitel'stvo [Housing Construction]
		Zhur. anal. khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
		Zhur. eksp. i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
		Zhur. nauch. i prikl. fot. i kin. (16c)	Zhurnal nauchnoi i prikladnoi fotografii i kinematografii [Journal of Scientific and Applied Photography and Cinematography]
		Zhur. neorg. khim. (13d)	Zhurnal neorganicheskoi khimii [Journal of Inorganic Chemistry]
		Zhur. ob. khim. (13d)	Zhurnal obshchei khimii [Journal of General Chemistry]
		Zhur. prikl. khim. (16c)	Zhurnal prikladnoi khimii [Journal of Applied Chemistry]
		Znamia (11b)	Znamia [The Banner]
		Znan. -sila (13a)	Znanie - sila [Knowledge is Power]
		Znan. ta pratsia (13a)	Znannya ta pratsia [Knowledge and Work]
		Zool. zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

- ACTH**
Reactivity of the adrenal cortex in thyrotoxicosis patients following the injection of the adrenocorticotrophic hormone of the pituitary body. Sh. Sh. Shamakhmudov. Vop. biol. i kraev. med. no. 3:243-246 '62.
- ABALAKH LAKE—MINERAL WATERS—COMPOSITION**
Chemical composition of water in the well of Lake Abalak. I. M. Briukhanov. Nauch. soob. IAFAN SSSR no. 3:91-93 '60.
- ABDASHEV, IURII**
"We are not looking for rest" by I. U. Abdashev. Reviewed by Viktor Vladimirov. Smena 40 no. 1:15 Ja '63.
- ABELIAN GROUPS**
Relation between the orders of classes of conjugate elements and the degree of absolutely irreducible representations for a certain class of groups. P. M. Gudivok. Izv. vys. ucheb. zav. i mat. no. 3:44-52 '63.
Theorem on universal coefficients for spectral groups of cohomologies of differential groups. M. Bokshteln. Dokl. AN SSSR 148 no. 5:997-1000 F '63.
- ABILITY**
Akademiya pedagogicheskikh nauk RSFSR, Moscow, Institut psikhologii. [Abilities and interests]
Sposobnosti i interesy. Pod red. N. D. Levitova i V. A. Krutetskogo. Moskva, Izd-vo APN RSFSR, 1962. 305 p.
Leningrad. Universitet. [Inclinations and abilities]
Sklonnosti i sposobnosti; sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1962. 123 p.
- ABKHAZIA—FISHERIES**
New inhabitants of the Black Sea. D. Ubiyava. Sov. Soluz no. 1:12-15 '63.
- ABORTION**
Course of pulmonary tuberculosis following an abortion at different periods of pregnancy. N. M. Deviatov. Trudy Kish. gos. med. inst. 13:179-182 '60.
- ABORTION IN ANIMALS**
Abortions in mares and their prevention. G. V. Parshutin. Trudy VNIK no. 17:133-138 '49.
- ABSORPTION**
Mechanism of mass exchange between gas and liquid in a vessel with mechanical stirring. M. Kh. Kishinevskii, A. S. Armashev. Zhur. prikl. khim. 36 no. 2:308-313 F '63.
- ABSORPTION OF LIGHT**
Spectroscopic sum rules taking induced emission into account. K. K. Rebane, O. I. Sil'd. Opt. i spektr. 13 no. 4:465-470 O '62.
- ABSORPTION SPECTRA**
Discrete nature of the impurity-induced spectral photosensitivity of photographic emulsions. G. L. Brown, E. A. Kirillov, K. V. Chibisov. Dokl. AN SSSR 149 no. 2:353-356 Mr '63.
Optical cell for measuring absorption spectra of chemically active solutions under pressure. I. A. M. Varshavskii, A. I. Kitova. Opt. i spektr. 13 no. 4:509-511 O '62.
- ABSTRACT ART** see Art, Abstract
- ABSTRACT METRICS** see Distance geometry
- ACADEMY OF MEDICAL SCIENCES OF THE U. S. S. R.**
(see also subdivision under Akademgorodok)
Akademiya meditsinskikh nauk SSSR, Moscow, [Academy of Medical Sciences of the U. S. S. R. and its institutions]
Akademiya meditsinskikh nauk SSSR i ee uchrezhdeniya. Moskva, 1962. 141 p.
[MICROFILM]
Discussion of the annual report. D. I. Shcherbakov and others. Vest. AN SSSR 33 no. 3:25-34 Mr '63.
General Meeting of the Department of Chemical Sciences of the Academy of Sciences of the U. S. S. R. held December 19-20, 1962. Izv. AN SSSR. Otd. khim. nauk no. 4:773-776 Ap '63.
General Meeting of the Department of Chemical Sciences of the Academy of Sciences of the U. S. S. R. held October 25, 1962. Izv. AN SSSR. Otd. khim. nauk no. 4:771-772 Ap '63.
- Opening speech by Academician M. V. Keldysh, President of the Academy of Sciences of the U. S. S. R. Vest. AN SSSR 33 no. 3:3-10 Mr '63.
Resolution on organizational matters. Vest. AN SSSR 33 no. 3:35 Mr '63.
Scientific activity of the Academy of Sciences of the U. S. S. R. in 1962. M. I. Agoshkov. Vest. AN SSSR 33 no. 3:11-24 Mr '63.
- ACADEMY OF SCIENCES OF THE U. S. S. R.—PRIZES**
Competition for gold medals and prizes of the Academy of Sciences of the U. S. S. R. in 1963. Geol. i geofiz. no. 11:129-130 '62.
Gold medals and prizes of the Academy of Sciences of the U. S. S. R. Geol. i geofiz. no. 11:130 '62.
- ACCELEROMETERS**
Goncharovskii, L. A. [Electronic acceleration transducers] Elektronnye datchiki uskoreniia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-60/10)
- ACCELEROMETERS—TESTING**
Vasil'eva, R. V. [Vibrating stands for calibrating vibrometers and accelerometers in a wide frequency range] Vibrostendy dlia tarirovki vibrometrov i akselerometrov v shirokom diapazone chastot. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-14/2)
- ACCLIMATIZATION**
Saline balance during acclimatization in a desert. P. A. Solomko. Sov. zdrav. Kir. no. 1:46-50 Ja-F '63.
- ACCLIMATIZATION (PLANTS)**
Comparative anatomic analysis of the adaptation of the leaves and wood of some plants in Azerbaijan to drought conditions. Sh. O. Dadashova. Dokl. AN SSSR 148 no. 5:1211-1214 F '63.
- ACCOMPLICES**
Criminal responsibility of an accessory after the fact for sheltering a criminal and purchasing and selling the stolen property. G. Anashkin. Sots. zakon. 39 no. 10: 8-13 O '62.
- ACCORDION—METHODS—SELF-INSTRUCTION**
Oneghin, A. E. [The ABC of the accordionist] Azbuka balantsta; posobie dlia nachinalushchikh. Moskva, Muzgiz, 1962. 77 p.
- ACCOUNTING**
(see also subdivision under Gorkiy Province; Kazakhstan; Kiev Economic region)
An account card instead of material requisitions. I. Buslaev. Bukhg. uch. 20 no. 2:59-60 F '63.
Discussion of S. A. Shchenkov's book "Accounting in Industry." Bukhg. uch. 20 no. 3:73-74 Mr '63.
Gur'yts, L. Kh. [Commercial computing] Khozislavennye vychisleniya; uchebnoe posobie dlia podgotovki uchastnikov i bukhgaltterov promyshlennykh predpriyatii. Izd. 2., perer. i dop. Moskva, Gosstatizdat, 1962. 174 p.
Improve accounting in regional finance departments. P. Vasil'ev. Bukhg. uch. 20 no. 3:64 Mr '63.
In the methodological council. Bukhg. uch. 20 no. 3: 75-77 Mr '63.
Review of newspapers. Bukhg. uch. 20 no. 2:63-68 F '63.
Russia (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. Upravlenie podgotovki kadrov shchelnnykh rabotnikov. [Accounting in industrial enterprises] Bukhgalterskii uch. v promyshlennykh predpriyatiakh. Pod red. S. S. Sorokina. 2., perer. izd. Moskva, Gosstatizdat, 1962. 333 p.
Soviet accountant today and tomorrow. N. Veltsman. Bukhg. uch. 20 no. 2:8-11 F '63.
Survey of newspapers. Bukhg. uch. 20 no. 3:67-72 Mr '63.
Veracity is the basic principle of accounting [with summary in English]. E. A. Voznesenskii. Vest. LGU 18 no. 5:21-33 '63.
- ACCOUNTING—STUDY AND TEACHING**
Academic and methodological conference on the organization of practical training for students. Bukhg. uch. 20 no. 2:78-79 F '63.
Teach students the journal-voucher accounting system. P. Ar'kov. Bukhg. uch. 20 no. 3:65-66 Mr '63.
- ACETALS**
Method of synthesizing vinyl alkyl acetals by dehydrochlorination of β -chloroethyl alkyl acetals. A. K. Gorbun', M. R. Kulibekov, S. M. Shostakovskii. Izv. AN SSSR. Otd. khim. nauk no. 4:754-755 Ap '63.
Synthesis of β , β' -diphenyldiethyl acetal. M. R. Kulibekov, A. K. Gorbun'. Izv. AN SSSR. Otd. khim. nauk no. 4:763-764 Ap '63.
- ACETAMIDE**
Combined treatment of inflammatory diseases of the gall bladder and the bile ducts. E. M. Chelak. Trudy Kish. gos. med. inst. 13:53-54 '60.
- ACETARSONE**
New photocolometric method for the quantitative determination of osaral in drugs. N. P. Iavorskii. Farmats. zhur. 17 no. 4:113-117 '62.
- ACETATES—ABSORPTION SPECTRA**
Infrared absorption spectra of acetates of the elements of the 1st and 2nd groups of the periodic system. A. I. Grigor'ev. Zhur. neorg. khim. 8 no. 4:892-894 Ap '63.
- ACETIC ACID**
Complex formation of rare earth elements with ethylenediaminoacetic acid. I. U. P. Galaktionov, K. V. Astakhov. Zhur. neorg. khim. 8 no. 4:900-904 Ap '63.
Compounds formed by rhodium with ethylenediaminoacetic acid. N. A. Ezorakala, V. N. Filimonova. Zhur. neorg. khim. 8 no. 4:930-939 Ap '63.
"Cosymmetrization" reaction of benzyl mercury bromide with ethyl esters of α -bromomercurofuryl acetic acids. I. P. Belotokala, G. A. Artanukina, O. A. Reulov. Izv. AN SSSR. Otd. khim. nauk no. 4:785-787 Ap '63.
Reactions of α -oxides. Part 2: Kinetics of the reaction of ethylene oxide with acetic and monochloroacetic acids. N. N. Lobedov, K. A. Gus'kov. Kin. i kat. 4 no. 1:116-127 Ja-F '63.
Reactions of diazoacetic ester with phosphorous acid and its esters. B. A. Arbutov, A. O. Vizeil'. Izv. AN SSSR. Otd. khim. nauk no. 4:749-750 Ap '63.
- ACETONE**
Effect of electrolysis conditions on the reduction of acetone of a zinc cathode. V. G. Khomakov, A. P. Tomilov. Zhur. prikl. khim. 36 no. 2:378-385 F '63.
Effect of the structure of a zinc cathode on the electrolytic reduction of acetone. V. G. Khomakov, A. P. Tomilov. Zhur. prikl. khim. 36 no. 2:373-378 F '63.
Water soluble condensation products of acetone with formaldehyde. N. I. Borodina, S. S. Frolov. Zhur. prikl. khim. 36 no. 2:406-415 F '63.
- ACETOPHENONE**
Free-radical isomerization of acetone diphenylmer. aptole. R. Kh. Freidlin, A. B. Terent'ev, R. G. Petrova. Dokl. AN SSSR 149 no. 4:860-861 Ap '63.
- ACETYLENE**
Study of the interaction between acetylene and solvents using infrared spectra. A. V. Jorganson, G. A. Kurkchi. Opt. i spektr. 13 no. 4:480-487 O '62.
Vapor phase catalytic conversions of acetylene. Part I: Adsorption of acetylene and hydrogen chloride on catalysts for vapor phase hydrochlorination of acetylene. A. I. Gel'bahts and others. Kin. i kat. 4 no. 1: 140-155 Ja-F '63.
- ACETYLENE—SPECTRA**
Dependence of the absorptive capacity of acetylene and methane in the infrared spectral region on the presence of foreign gases. I. N. Orlov. Opt. i spektr. 13 no. 4: 471-474 O '62.

ACETYLENE COMPOUNDS

- Complex compounds of acetylene with $\text{CuCl} - \text{NH}_4\text{Cl}$. Part 1. A. L. Klebanik, I. M. Dolgopolskiy, Z. F. Dobler. Zhur. ob. khim. 33 no. 3:761-768 Mr '62.
- Effect of various factors on the formation of the complex compounds of acetylene with $\text{CuCl} - \text{NH}_4\text{Cl}$, and properties of the latter. Part 2. A. L. Klebanik, I. M. Dolgopolskiy, Z. F. Dobler. Zhur. ob. khim. 33 no. 3:768-772 Mr '63.
- Photoconductivity of acetylene polymers. V. S. Myl'nikov, E. K. Putaiko, A. N. Terenin. Dokl. AN SSSR 149 no. 4:897-900 Ap '63.

ACETYLENE GENERATORS—COLD WEATHER OPERATION

- Strizhevskiy, I. I. [Operation of acetylene generators and water seals during winter] Eksploataatsiya atsetilennykh generatorov i vodnykh zatvorov v zimnee vremya. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 12. No. M-58-114/10)

ACIDS, FATTY

- Continuous carbonate saponification of fatty acids in counter-current nonpacked columns. N. P. Ikhnov, Izv. vys. ucheb. zav. i spetsial. shk., no. 1:88-92 '63.
- This can be extracted from petroleum. N. Lavrov, V. Usachev, Sh. Geifan. Nar. khoz. Uzb. 5 no. 3:44-46 Mr '63.
- Unsaturated acids and macrocyclic lactones. Report No. 9; Preparation of conjugated polyene fatty acids via Wittig reaction, and the synthesis of α -oleostearic acid. L. D. Bergelson and others. Izv. AN SSSR, Otd. khim. nauk no. 4:683-687 Ap '63.

ACIDS, ORGANIC

- Complex compounds of strontium with some dicarboxylic organic acids. I. E. Bukolov and others. Zhur. neorg. khim. 7 no. 7:1577-1582 Ji '62.
- Low-molecular organic acids in the composition of water-soluble soil organic substances [with summary in English]. I. S. Kaurichev, T. N. Ivanova, E. M. Nozdrunova. Pochvovedenie no. 3:27-35 Mr '63.
- Study of the complex formation of tungsten (VI) with organic dibasic acids by the kinetic method. K. B. Iatsimirskiy, K. R. Prik. Zhur. neorg. khim. 7 no. 7:1589-1594 Ji '62.

ACORNS see subdivision under Ukraine

ACOUSTICS see Hearing

ACRYLAMIDE

- Structure-forming effect of polyacrylamide in sandy-loam soils in Pavlodar Province, Virgin Territory. E. D. Kuz'mina. Sbor. trud. po agron. flz. no. 19:197-200 '62.

ACHYLONITRILE POLYMERS—ELECTRIC PROPERTIES

- Effect of absorbed gases on the electrophysical properties of pyrolyzed polyacrylonitrile fibers. I. M. Kustanovich, I. I. Patalakh, L. S. Polak. Kin. i kat. 4 no. 1:167 Ja-F '63.

ACTING—STUDY AND TEACHING

- Our virgin land course. I. Verzhnina. Ogonek 40 no. 48:26-27 N '62.

ACTINOMYCES

- Keratinization activity of Actinomyces fradit. A. G. Kuchaeva and others. Dokl. AN SSSR 140 no. 6:1400-1402 F '63.
- A new species in the yellow actinomyces group, Actinomyces xanthothleus n. sp. [with summary in English]. I. U. E. Konev, V. A. Tsyganov. Mikrobiologiya 31 no. 6:1023-1028 N-D '62.
- Utilization of different carbon sources by Actinomyces [with summary in English]. M. A. Sveshnikova, T. S. Maksimova. Mikrobiologiya 31 no. 6:966-971 N-D '62.

ACTIVATED CARBON see Carbon, Activated

ACTIVITY COEFFICIENTS

- Effect of alloying elements on carbon activity in liquid iron. B. P. Burylev. Izv. vys. ucheb. zav.; Chern. met. 6 no. 2:15-11 '63.

ACTORS

- Actors of Russia. I. U. Zubkov. Ogonek 41 no. 8:28-29 F '63.

ACTORS, FRENCH

- Wind of cultural exchange. M. Maretskaya, D. Shostakov-Dmitriev. Kul't. i zhizn' 6 no. 9:33-34 '62.

ACUPUNCTURE

- Discoveries of Kim Pong Khan. O. Liubova'skiy. Znaniya pratsia no. 1:12 Ja '63.

ACUTE CATARRHAL JAUNDICE see Hepatitis, Infectious

ACYL GROUPS

- Migration of the acyl group N-acyl derivatives of 1,4-amino alcohols. D. V. Ioffe, S. G. Kuznetsov. Zhur. ob. khim. 33 no. 3:991-994 Mr '63.

ADAMSON-ERIK, E. J., 1902-

- At the exhibition of an Estonian artist. Kul't. zhizn' 6 no. 12:24 '62.

ADAPTATION (BIOLOGY)

- Development of frequency characteristics of heart activity in chickens as a sign of the biological adaptation in embryogeny. T. P. Blinkova, O. V. Bogdanov. Dokl. AN SSSR 149 no. 4:988-990 Ap '63.

ADDITION REACTIONS

- Reaction of nucleophilic addition to alkynyl phosphinites. A. N. Pudovik, N. G. Khushanova, I. M. Aladzheva. Zhur. ob. khim. 33 no. 3:1045-1046 Mr '63.

ADENOSINETRIPHOSPHATASE

- Role of the adenosine triphosphate-adenosinetriphosphatase system in the transport of glucose. G. Kh. Buniatian, A. S. Oganessian. Dokl. AN SSSR 149 no. 2:442-445 Mr '63.

ADHESION

- Investigating the wetting of diamonds and graphite by liquid metals. Report No. 2 [with summary in English]. I. U. V. Naidich, G. A. Kolesnichenko. Porosh. met. 3 no. 1:49-52 Ja-F '63.

ADHESIVES

- Ishchenko, P. A. [Thickening agents and adhesives made of specially prepared macromolecular compounds] Zagushchivushchie i kleishchic materialy iz spetsial'no podgotovlennykh vysokomolekulyarnykh soedinenii. Moskva, Izd-vo nauchno-tekhn. lit-ry, RSFSR, 1960. 58 p. [MICROFILM]

ADLER REGION—ARBORETUMS

- Brennensen, G. E., and N. I. Shcherbakov. [Park of the "Uzhnye Kul'tury" State Farm, a short guide] Park sovkhosa "Uzhnye kul'tury"; kratkii putevoditel'. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959. 80 p.

ADMINISTRATIVE LAW—HANDBOOKS, MANUALS, ETC.

- [Handbook for the personnel of rural soviets] Spravochnik dlia rabotnikov sel'skikh Sovetov. Moskva, Gosstatizdat, 1962. 749 p.

ADMIRALSLANOV, ALI AGAMALIEVICH, 1900-1962

- Ali Agamaly ogly Amirsalanov. Geol. rud. mestorozh. 5 no. 1:124-125 Ja-F '63.

ADOLESCENCE see subdivision under Saratov

ADRENAL CORTEX

- Resistivity of the adrenal cortex in thyrotoxicosis patients following the injection of the adrenocorticotrophic hormone of the pituitary body. Sh. Sh. Shamskhudov. Vop. biol. i med. no. 3:243-246 '62.

ADRENALIN

- Studying the possibility of applying preslaughter adrenal treatment in the meat industry. V. V. Pal'min and others. Izv. vys. ucheb. zav. i spetsial. shk. no. 1:66-71 '63.

ADRENOCORTICAL HORMONES

- Combined treatment of protracted septic endocarditis [with summary in English]. R. A. Ibrusov. Vop. revm. 1 no. 4:52-57 O-D '61.

- Some hormonal disorders in organic lesions of the brain of posttraumatic and postinfectious origin. L. I. Snigova. Probl. end. psikh. 11:225-235 '61.

ADRENOCORTICOTROPIC HORMONES see ACTH

ADRIATIC SEA—OCEANOGRAPHY

- Underwater research in the Adriatic Sea. V. P. Zenkevich. Vest. AN SSSR 33 no. 3:109-112 Mr '63.

ADSORPTION

- Adsorption isotherms and adsorption states. J. Hotimli, T. Toya. Kin. i kat. 4 no. 1:3-23 Ja-F '63.
- Calculation of the specific surface area of isothermrite from its crystal lattice parameters and adsorption data. K. G. Krasnitsnikov. Dokl. AN SSSR 149 no. 4:691-693 Ap '63.

- Effect of absorbed gases on the electrophysical properties of pyrolyzed polyacrylonitrile fibers. I. M. Kustanovich, I. I. Patalakh, L. S. Polak. Kin. i kat. 4 no. 1:167 Ja-F '63.

- Kinetics of the adsorption process in a countercurrent column with a fluidized bed of adsorbent. V. Flokk, V. N. Laplin, P. G. Romankov. Zhur. prikl. khim. 36 no. 2:315-322 F '63.

- Modeling of the processes of chemisorption in packed columns. V. A. Routsik, V. V. Kafarov. Khim. prom. no. 1:52-59 Ja '63.

- Phenomenon of adsorption immobilization of Leptospira. A. K. Adamov, E. M. Popova. Trudy Len. inst. epid. i mikrobiol. 23:261-266 '61.

- Relative role of kinetic factors in the dynamics of iodine adsorption from aqueous solutions of halides. I. M. Stokanovskiy, I. E. Amptogov. Zhur. prikl. khim. 36 no. 2:287-294 F '63.

- Structure formation in interphase adsorption layers of dissolved surface-active substances and the stability of emulsions and aqueous dispersions of polymers (latexes). S. A. Nikitina and others. Dokl. AN SSSR 149 no. 4:905-908 Ap '63.

- Study of the electrokinetic properties of viscose pulp in relation to iron compound solutions. S. S. Pozin, V. I. Iur'ev. Zhur. prikl. khim. 36 no. 2:385-389 F '63.

- Thermodynamic criterion for the applicability of the potential theory of adsorption. B. P. Bering, V. V. Serpin-skiy. Dokl. AN SSSR 148 no. 6:1331-1334 F '63.

- Vapor phase catalytic conversions of acetylene. Part 1: Adsorption of acetylene and hydrogen chloride on catalysts for vapor phase hydrochlorination of acetylene. A. I. Gel'bshteyn and others. Kin. i kat. 4 no. 1:149-155 Ja-F '63.

ADVERTISING—BOOKS

- Forms of promotion. A. Marin. Sov. knizh. iorg. 14 no. 2:31-33 F '63.

ADYCHA VALLEY—LAMELLIBRANCHIATA, FOSSIL

- Stratigraphic association of certain genera Lamellibranchiata of the Norian stage in the Adycha Valley. V. F. Vozin, V. K. Lezhnev. Nauch. soob. IAFAN SSSR no. 2:24-26 '59.

ADYGE AUTONOMOUS PROVINCE—CANNING INDUSTRY

- Results of the operations of the Adyge Canning Combine during 1952 and plans for 1953. F. I. Kravchenko. Kona. i ov. prom. 18 no. 4:3-5 Ap '63.

ADYGE AUTONOMOUS PROVINCE—EDUCATION

- Khorotlev, A. O., ed. [Cultural development of Adyge; 1922-1937] Kul'turnoe stroitel'stvo Adygei, 1922-1937 g. g.; sbornik dokumentov i materialov. Soat. N. F. Kovaleva, A. O. Khorotlev, L. A. Podgachuk, Matkop, Adygolskoe knizhnoe izd-vo, 1959. 380 p.

ADYGE AUTONOMOUS PROVINCE—MARKETING

- Behind the outward prosperity. I. U. Delavshok. Sov. potreb. koop. 7 no. 4:30-40 Ap '63.

ADYGE LANGUAGE—DICTIONARIES—RUSSIAN

- [Explanatory dictionary of the Adyge language] Tolkovyi slovar' Adygolskogo iazyka. [By] A. A. Khalanov, Z. I. Korashov. Matkop, Adygolskoe knizhnoe izd-vo, 1950. 996 p. [In Adyge and Russian]

AERATION OF SOIL see Soil aeration

AERIAL PHOTOGRAMMETRY

- Combined adjustment of the results of photogrammetric and physical measurements in phototriangulation series. V. V. Vinnitskaya. Geod. i kart. no. 2:42-49 F '63.

- Determining relative orientation elements for aerial photographs of mountainous regions. N. P. Kozhevnikov, K. N. Gertsanova. Geod. i kart. no. 2:3-11 F '63.

- Technical means and methods used in aerial surveys. S. A. Butlov, I. I. Vvedenskii. Transp. stroi. 13 no. 2:40-43 F '63.

AERIAL ROCKETS see Rockets (Aeronautics)

AEROBIC BACTERIA see Bacteria, Aerobic

AERODYNAMICS, SUPERSONIC

- Aerodynamics of a supersonic air intake. V. Il'ushin. Av. i kosm. 46 no. 3:48-51 Mr '63.

AEROLOGY see Meteorology

AERONAUTICAL INSTRUMENTS

- Navigation flight indicator. V. Ivanov, A. Shmel'kov. Grazhd. av. 12 no. 1:30-40 Ja '55.

AERONAUTICS—ABSTRACTS

- [Air transportation] Ref. zhur.: Vozd. transp. no. 4 Ap '63.

AERONAUTICS—STUDY AND TEACHING see subdivision under Kiev

AERONAUTICS, COMMERCIAL

- Esteem the honor of the commercial air fleet. Grazhd. av. 20 no. 2:12 F '63.

- Fortieth anniversary of Aeroflot. Vokrug sveta no. 2:21-22 F '63.

- The fortieth anniversary of Soviet peace wings. E. F. Loginov. Grazhd. av. 20 no. 2:2-3 F '63.

- Millionaires take council. N. Klavin, G. Grigor'ev, V. Medved. Grazhd. av. 20 no. 2:10-24 F '63.

- New objectives lie ahead. V. Gun'kov. Grazhd. av. 20 no. 2:13 F '63.

- Patriotic duty of the workers of civil aviation. Grazhd. av. 12 no. 1:2-3 Ja '55.

- Production is the urgent objective. I. Turkin. Grazhd. av. 20 no. 2:10-11 F '63.

- Stages of a great development. Grazhd. av. 20 no. 2:5-8 F '63.

- Twenty-seven million passengers. Aleksei Chalkov. Ogonek 41 no. 7:4-5 F '63.

AERONAUTICS, MILITARY—FLIGHTS

- In two shifts; flight day. I. Vasil'ev, S. Fedin. Av. i kosm. 46 no. 4:71-76 Ap '63.

AERONAUTICS, MILITARY—OBSERVATIONS

- Reconnaissance plane above the sea. F. Vozhin, K. Telogin. Av. i kosm. 45 no. 4:54-58 Ap '63.

AERONAUTICS IN SURVEYING

Some principles for making vertical gradiometers and gravity sensitive elements for surveying while in motion. I.A. Balabushevich. *Geofiz. zh.* no. 1:44-49 '62.

AEROSLEIGHTS see Motor sledges

AEROSOLS

Korotkiy, G. I. [Aerosols in agriculture] *Aerologii v sel'skom khoziaistve*. Moskva, Vystavka dostizhenii narodnogo khoz., 1962, 11 p. [DNAL MICROFILM]

AESTHETICS

Aslakhov, I. B. [What is aesthetics? Aesthetics as a science] *Chto takoe estetika? Estetika kak nauka*. [Moskva] Izd-vo Mosk. univ., 1962, 111 p. (Narodnyi universitet kul'tury na domu)

The building of communism and some problems of Marxist-Leninist aesthetics (to be concluded). A. G. Egorov. *Vop. filol.* 17 no. 3:13-25 '63.

Communism and production aesthetics. S. Strumilin. *Vop. ekon.* no. 2:71-81 F '63.

Havrylyuk, P. I. [Aesthetics nature of art] *Estetychna pryroda mystetstva*. Kyiv, Vyd-vo Akad. nauk URSR, 1962, 54 p. (Vcheni Ukrainy - universitetam kul'tury)

Role of an artistic image in moral education. A. Demidova. *Otv. na vop. trud.* no. 12:6-15 D '62.

Thackeray in the struggle for realistic aesthetics. T. M. Glicbova. *Rud. lit.* 7 no. 1:42-53 Ja-F '63.

"V. I. Lenin's contribution to Marxist aesthetics, 1907-1910" by V. I. Mazepa. Reviewed by A. T. Hordilenko, K. P. Smudria. *Rad. lit.* 7 no. 1:130-132 Ja-F '63.

AESTHETICS—STUDY AND TEACHING

Against formalistic tendencies in aesthetic education. L. A. Hrekov, V. M. Kaprelov. *Rad. shk.* 41 no. 2: 85-87 F '63.

From pedagogical lectures in Lvov. T. A. Pavlenko. *Rad. shk.* 41 no. 1:101-111 Ja '63.

University of culture in a technical school. G. Ievleva. *Prof. i tekhn. obr.* 20 no. 3:22-23 Mr '63.

AFFORESTATION

[see also subdivision under Dnister Valley]
Afforestation of open sands in the European part of the U.S.S.R. M. M. Driuchenko. *Vest. sel'khoz. nauk* 7 no. 12:76-86 D '62.

AFRICA—AGRICULTURE, COOPERATIVE

The cooperative movement in Africa; problems and prospects. L. Aleksandrovskaya. *Mir. ekon. i mezhdunar. otn.* no. 3:39-51 '63.

AFRICA—BIBLIOGRAPHY

[New Soviet and foreign literature on the countries of the non-Soviet East] *Nov. sov. i inostr. lit. po stran. zarub. Vest.* no. 1 '63.

AFRICA—EDUCATION

Prospects for the development of education in Africa. E. N. Kuz'minn. *Sov. pedagog.* 27 no. 3:140-150 Mr '63.

AFRICA—EDUCATION OF WOMEN

African women's role in social life. Lise London. *Vsem. prof. dvizh.* no. 1:47-59 Ja '63.

AFRICA—FOREIGN ECONOMIC RELATIONS

Akademii nauk SSSR, Institut narodov Azii. [Colonialism and the contradictions between imperialism in Africa] *Kolonializm i mezhimperialisticheskie protivorechija v Afrike*. Moskva, Izd-vo vostochnoi lit-ry, 1962, 229 p.

Economic forms of modern colonialism. V. Panov. *Vop. ekon.* no. 3:65-77 Mr '63.

AFRICA—FOREIGN ECONOMIC RELATIONS—GERMANY

West German neocolonialism in Africa. A. S. Avetian. *Vop. ist.* 38 no. 3:189-190 Mr '63.

AFRICA—FOREIGN ECONOMIC RELATIONS—GERMANY, WEST

"West German expansion in Arab countries and Africa" by I. A. Etlinger. Reviewed by S. Ryvkin. *Mir. ekon. i mezhdunar. otn.* no. 3:143-145 '63.

AFRICA—HISTORY—BIBLIOGRAPHY

People and millenniums. V. Novospasskiy. *Vokrug sveta* no. 2:62-64 F '63.

AFRICA—INSURANCE SOCIAL—CONGRESSES

Problems of social security in Africa. Moustapha Sarr. *Vsem. prof. dvizh.* no. 1:31-34 Ja '63.

AFRICA—INVESTMENTS, WEST GERMAN

West German neocolonialism in Africa. A. S. Avetian. *Vop. ist.* 38 no. 3:189-190 Mr '63.

AFRICA—ITALIAN COLONIES

"The road to independence; from the history of the solution of the problem of the former Italian colonies, 1945-1950" by M. I. Ivanitskiy. Reviewed by B. Valentinov. *Mezhdunar. zhizn'* 10 no. 4:137-139 Ap '63.

AFRICA—LAW—CONGRESSES

A conference of African and Asiatic lawyers. R. Tuzmukhamedov, V. Khomikov. *Sov. iust.* no. 4:12-13 F '63.

AFRICA—MINES AND MINERAL RESOURCES

Russia (1923- U.S.S.R.) *Vsesojuznyi geologicheskii fond*. [Brief manual on the mineral resources of capitalist countries; Africa, Australia and Oceania] *Kratkii spravochnik po mineral'nym resursam kapitalisticheskikh stran*; Afrika, Avstraliya i Okeaniya. Pod red. N. A. Dykhovera, M. V. Dubovskoi i N. A. Nekhodseva. Moskva, Gosgeoltekhizdat, 1962, 197 p.

AFRICA—POLITICS

Conference of Asian and African lawyers. K. P. Gorshenin. *Sov. gos. i pravo* 33 no. 4:72-82 Ap '63.

AFRICA—STATES, NEW

African Freedom Day. V. S. Nov. vrem. 20 no. 15:6 Ap '63.

AFRICA, EAST—ANTIQUITIES

Ishango culture. B. Silkin. *Vokrug sveta* no. 3:23 Mr '63.

AFRICA, FRENCH WEST—DESCRIPTION AND TRAVEL

Serbin, A. N. [Optimistic Africa] *Optimisticheskaya Afrika*. Moskva, Izd-vo "Znanie," 1962, 63 p. (Prochti, tovarishchi!)

AGED—CARE AND HYGIENE

Artel', Sot'ia. [Human will can surmount old age] *Volia pobezhdaiet starost'*. New York, 1963, 59 p.

AGGREGATES (BUILDING MATERIALS)

Zhukov, A. V. [Artificial porous aggregates made of rocks] *Izobreteniye poristykh zaporniteli iz gornykh porod*. Kiev, Gosstroizdat, 1962, 308 p.

AGING

Changes in the sensitivity of effectors to the action of neural and humoral stimulants during the aging of the organism. V. V. Frolikis, N. S. Verkhovskii. *Dokl. AN SSSR* 148 no. 5:1228-1230 F '63.

AGITATORS (MACHINERY) see Mixing machinery

AGNUS DEI (SACRAMENTAL)

Genealogy of the Lamb of God. *Nauka i rel.* 4 no. 3: 20-21 Mr '63.

AGRANULOCYTOSIS

Treatment of agranulocytosis with penicillin. V. P. Straupe. *Vop. pat. krovi i krovoobr.* no. 6:211-215 '61.

AGRICULTURAL ADMINISTRATION

[see also subdivision under Bol'shaya Glushitsa District; Georgia; Grodno region; Ilshovsky District; Ukraine; Volkovysk District; White Russia]

[Let us learn how to build communism] *Uchi'sia stroit' kommunizm*. Moskva, Ekonomizdat, 1962, 239 p.

AGRICULTURAL CHEMICALS

Chenkin, A. F., and I. S. Makarova. [Manual on poisonous chemicals and apparatus used in controlling plant pests, plant diseases and weeds] *Spravochnik po iadokhimikatsii i apparaturе, primenyaemym v bor'bu s vreditel'nykh, boleznelnykh rastenii i sorniakami*. Moskva, Izd-vo M-va sel', khoz. RSFSR, 1962, 102 p. (DNAL)

Determining the economic efficiency of the widespread use of chemistry in agriculture. A. Levin. *Vop. ekon.* no. 2:52-57 F '63.

Economic efficiency of using chemicals in agricultural production. I. Karliuk. *Vop. ekon.* no. 2:50-63 F '62.

Mezlin, A. F., and M. M. Pit'ko. [Concise manual on poisonous chemicals and spraying and dusting equipment] *Kratkii spravochnik po iadokhimikatsii i apparaturе*. Minsk, Sel'khozgiz BSSR, 1962, 113 p. (DNAL)

The raw material supply of large-scale chemistry. S. Priyashnikov, G. Saldalikhodzhev. *Nar. khoz. Uzb.* 5 no. 3:40-43 Mr '63.

AGRICULTURAL CHEMISTRY

What is the economic significance of chemicals in agriculture. I. Karliuk. *Polit. samooobr.* 7 no. 2: 73-78 F '63.

AGRICULTURAL COURTS AND PROCEDURE

How a court educates Soviet farmers. V. Belkin. *Sots. zakon*, 39 no. 10:74-75 O '62.

AGRICULTURAL EDUCATION

Closer to life. M. Sevast'yanov. *Sov. Soluz* no. 10:40-41 '62.

Let's regulate the distribution of graduates of agricultural institutions of higher learning. E. V. Kulitshev. *Vest. vys. shkoly* 21 no. 4:95-98 Ap '63.

The "spring" became a river. A. Pirkin. *Kul't. -pros.* rab. 24 no. 1:8-9 Ja '63.

AGRICULTURAL ENGINEERING—EQUIPMENT AND SUPPLIES

Russia (1923- U.S.S.R.) *Komitet po delam izobretenii i otkrytiy*. [Collection of inventions; construction and building materials in agriculture] *Sbornik izobretenii i stroitel'stvo i stroitel'nye materialy v sel'skom khoziaistve*. Moskva, Tsentr. biuro tekhn. informatsii, 1962, 47 p. (Sbornik otechestvennykh izobretenii)

AGRICULTURAL GEOGRAPHY see subdivision under Kustany Province; Tomsk Province

AGRICULTURAL IMPLEMENTS

Advice for rural mechanics. *Ium. tekhn.* 7 no. 3:10-13 Mr '63.

AGRICULTURAL JOURNALISM see Journalism, Agricultural

AGRICULTURAL LAWS AND LEGISLATION

Dombro, L. I. [Studies on the present-day agricultural laws of capitalist countries; the U.S.A., England, France, Italy, the German Federal Republic] *Ocherki sovremennogo agrarnogo zakonodatel'stva kapitalisticheskikh stran*; SShA, Angliya, Frantsiya, Italiya, FRG. Moskva, Gosizdat, 1962, 245 p.

Legal regulation of the work of Soviet state farms. N. I. Kovalenko. *Sov. gos. i pravo* 33 no. 4:100-115 Ap '63.

AGRICULTURAL LIBRARIES see subdivision under Leningrad

AGRICULTURAL MACHINERY

Agricultural loaders. I. I. Kocherygin, V. N. Bakharkh. *Trakt. i sel'khoz. mash.* 32 no. 12:41-44 D '62.

At the Exhibition of the Achievements of the National Economy of the U.S.S.R. N. Ivanov. *Sel', mekh.* no. 1: 43-44 '62.

Bakhmutov, V. A., and F. G. Ulanov. [Mechanizing the growing of pulse crops] *Mekhanizatsiya vozdel'yvaniya zernobobovykh kul'tur*. Moskva, Sel'khozizdat, 1962, 141 p.

Botov, T. G. [New equipment for the rearrangement of soil horizons] *Novye oruditiya dlia pereraspredeleniya pochvennykh gorizontov*. Pod obshchey red. A. A. Dubrovskogo. Moskva, Izd-vo M-va sel', khoz. RSFSR, 1959, 26 p. (Materialy zaochnogo lektsiia po tekhn. "Novoe v mekhanizatsii sel'skogo khoziaistva," no. 13)

The collective farm is satisfied with our work. A. Nezetskii, G. Nemesku. *Sel', mekh.* no. 8:5 '62.

Construction equipment mounted and hitched to agricultural machines. I. Zaitimov, N. Burov. *Sel', stroit.* 11 no. 2:12-14 F '63.

Ermokhin, G. I., and L. S. Filatov. [Small-scale mechanization in agriculture] *Makala mekhanizatsii v sel'skom khoziaistve*. Moskva, Sel'khozizdat, 1962, 132 p.

Future belongs to oil-hydraulic machinery. G. Tatarskiy. *NTO* 5 no. 2:35-38 F '63.

Improvement of an injector. I. U. Kulakov. *Sel', mekh.* no. 8:20-30 '62.

It means a great deal when friends give a helping hand. I. Parashuk, P. Saranchuk. *Sel', mekh.* no. 8:7-11 '61.

New method for power calculation of the mechanisms of agricultural machines. B. I. Turbin. *Trakt. i sel'khoz. mash.* 32 no. 12:17-19 D '62.

Problems in the mechanization of agriculture in mountain areas. N. M. Guseinov, M. R. Zakarian. *Trakt. i sel'khoz. mash.* 22 no. 2:26-28 F '63.

Restless people. V. Minakov. *Sel', mekh.* no. 8:11 '62.

Seminar on the use of machinery in orchards, berry patches, and nurseries. B. I. Odelev. *Trakt. i sel'khoz. mash.* 33 no. 2:48 F '63.

Types of agricultural loaders with intermittent operation. E. P. Merzhvinskaya, I. I. Kocherygin, A. Kh. Gekhtel. *Trakt. i sel'khoz. mash.* 33 no. 1:19-24 Ja '63.

Work conversion coefficient. T. Komarova, V. Smirnova. *Sel', mekh.* no. 8:22 '62.

AGRICULTURAL MACHINERY—ABSTRACTS

[Tractors and agricultural machinery and equipment] *Ref. zhur.*: *Trakt. i sel'khoz. mash. i orud.* nos. 3-4 Mr-Apr '63.

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

A man with foresight. P. Filatov. *Sel', mekh.* no. 8:1 '62.

The senior blacksmith. V. Iambayev. *Sel', mekh.* no. 8:10 '62.

The sowing time is here, are you ready? *Komsom. zhizn'* no. 5:9-10 Mr '63.

AGRICULTURAL MACHINERY—STATISTICS

Tractors, agricultural machinery and mineral fertilizer deliveries to agriculture. *Vest. stat.* no. 3:92-95 '63.

AGRICULTURAL MACHINERY—TESTING

[see also subdivision under Rostov Province]

Results of investigating the performance of tractor-driven machinery at increased speeds. E. A. Makhla. *Trakt. i sel'khoz. mash.* 33 no. 2:24-27 F '63.

Strength and reliability of agricultural machines. I. M. Zeltserman. *Trakt. i sel'khoz. mash.* 32 no. 12:20-23 D '62.

AGRICULTURAL MACHINERY INDUSTRY

[see also subdivision under Frunze; Taganrog]

Improve the quality of agricultural machinery. N. N. Tarasov. *Trakt. i sel'khoz. mash.* 32 no. 12:1-3 D '62.

State and possibilities of introducing bent profiles in the manufacture of agricultural machinery. O. E. Kotovich. *Trakt. i sel'khoz. mash.* 33 no. 2:39-41 F '63.

Tractor and agricultural machinery manufacture in 1963. I. N. Eekov. *Trakt. i sel'khoz. mash.* 33 no. 1:2-3 Ja '63.

AGRICULTURAL MACHINERY REPAIR AND SUPPLY STATIONS see Repair and supply stations

AGRICULTURAL POLICY

"Building of communism in the U.S.S.R. and the development of agriculture" by N. S. Khrushchev. Book review, Ogonek 40 no. 47:6 N '62.
Following Lenin's path, Vest, sel'khoz, nauki 7 no. 12: 3-6 D '62.
Khrushchev, N. S. [Building of communism in the U.S.S.R. and the development of agriculture] Stroitel'stvo kommunizma v SSSR i razvitie sel'skogo khoziaistva. Moskva, Gospolitizdat.
Vol. 5. [February 1961 - October 1961] Fevral' 1961 goda - oktiabr' 1961 goda. 1963. 462 p.
Vol. 6. [October 1961 - March 1962] Oktiabr' 1961 goda - mart 1962 goda. 1963. 478 p.
Vol. 7. [March 1962 - March 1963] Mart 1962 goda - mart 1963 goda. 1963. 494 p.

AGRICULTURAL RESEARCH see subdivision under Dobrudja; Tomsk

AGRICULTURAL WAGES

(see also subdivision under Moscow Province)
For the correct organization of wages on state farms. I. Shkuratov, V. Zakladnol, Sots.trud 8 no. 3:34-39 Mr '63.
From unpublished letters to the editor. Sel', mekh, no. 8:25 '62.
In brief about new developments. Sel', mekh, no. 8: 24-25 '62.

AGRICULTURAL WORKERS

(see also subdivision under Rzhaksa District; Tambov Province; Virgin Territory)
The collective farm is satisfied with our work. A. Nenesku, G. Nenesku, Sel', mekh, no. 8:5 '62.
A friendly contest. V. Nefedova, I. Sterkin. Sel', mekh, no. 8:9-10 '62.
From the editor's mail. Sel', mekh, no. 8:44 '62.
From unpublished letters to the editor. Sel', mekh, no. 8:25 '62.
The greater the output the higher the wages. G. Medynich, Z. Medynich. Sel', mekh, no. 8:6-7 '62.
Honor the Soviet working man. IA, Chitanuk. Sov. Ukr. 13 no. 1:105-107 Ja '63.
In the most important sector. I. Pisarenko, Sel', mekh, no. 8:12-13 '62.
It means a great deal when friends give a helping hand. I. Parasun'ko, P. Saranchuk. Sel', mekh, no. 8:7-8 '62.
A man with foresight. P. Filatov. Sel', mekh, no. 8:10 '62.
Our answer to an appeal. V. Zhitar', B. Vlaiko. Sel', mekh, no. 8:3-4 '62.
Restless people. V. Minakov. Sel', mekh, no. 8:11 '62.
Stepanova, K. G. [I am proud of my occupation] Gorzhus' avole professii! [Moskva] Mosk. rabochii, 1962. 39 p.
(DNAL)
Transporting passengers in trucks. A. Belen. Sel', mekh, no. 8:41-42 '62.
Tuition payments. V. Ivachev. Sel', mekh, no. 8:23-24 '62.

AGRICULTURAL WORKERS—CONGRESSES

The unity of agricultural workers is strengthening. Sergei Egorazdov. Vsem. prof. dvizh. no. 3:33-36 Mr '63.

AGRICULTURAL WORKERS—EDUCATION see subdivision under Karaganda region

AGRICULTURE

(see also subdivision under Azerbaijan; Bulgaria; Fergana; Germany, East; Hungary; Mogilov Province; Russia, Northwestern; Ryazan Province; Tomsk Province; Ukraine; Ust'-Labinsk; Ust'-Labinsk region; Uzbekistan; Virgin Territory)
Bankruptcy of V. R. Vil'iams' methodological principles of grassland farming. E. V. Ghrusov. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 1:66-73 '63.
[Do you use the land correctly?] Pravil'no li vy ispol'zuetе zemlju? [Moskva] Mosk. rabochii, 1962. 108 p. (DNAL)
Elagin, V. D. [Truth does not die; notable discussion of scientists on soil, on its possibilities, and how to make soil produce a double crop] Istina ne umiraet; primechatel'nyi spor uchenykh o pochve, o ee vozmozhnostiakh, o tom, kak zastavit' zemlju "dvoybno rozhat'... [Moskva] Izd-vo "Molodaja gvardia, 1962. 109 p.
Iakovenko, R. F. [Agriculture on the path to communism] Sil'ske gospodarstvo na shliakhu do kommunizmu. Kyiv, Dzerzhpolitytdav, URSR, 1962. 48 p. (Na dopomohu vyvchaluchym. Materialy XXII z'izdu KPRS)
New developments in capitalist agriculture. A. Manuklan. Mir, ekon. i mezhdunar. otn. no. 3:13-24 '63.
Preliminary results of the harvest of 1962. S. S. Kabyah. Met. i soob. Issi, otd. Inst. po izuch. SSSR no. 46:16-30 D '62.
Russian loaf on the table of our homeland. N. Bykov, V. Te. novoi. Ogonek 40 no. 46:4-5 N '62.

AGRICULTURE—ABSTRACTS

[Agriculture; classed index of articles in foreign periodicals] Sel', khoz.; sijst. ukaz. st. v mostr. zhur. no. 1 '63.

AGRICULTURE—ACCOUNTING

New development in the accounting for mineral fertilizers. G. Makhov. Vest. stat. no. 3:54-62 '63.

AGRICULTURE—AUDIO-VISUAL AIDS see subdivision under Muchkap District

AGRICULTURE—BIBLIOGRAPHY see Bibliography—Agriculture

AGRICULTURE—ECONOMIC ASPECTS

(see also subdivision under Kazakhstan; Kopyl District)
Conference-seminar of the academic personnel of departments and field detachments of the All-Union Research Institute of Agricultural Economics. T. Vlasova. Dokl. i soob. VNIESKH no. 13:160-170 '62.
Current problems in the economics of collective and state farms. Vop. ekon. no. 2:116-130 F '63.
Economic evaluation of the structure of planting acreage and agricultural systems. K. P. Obolenskii, Dokl. i soob. VNIESKH no. 13:5-45 '62.
Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshiaia partiinaiia shkola. Katedra sovetskoi ekonomiki. [Program on the economics of socialist agricultural enterprises] Programma po ekonomike sotsialisticheskikh sel'skokhoziaistvennykh predpriatii; dia ekonomicheskikh shkol, kruzhkov i seminarov sel' partinogo prosveshcheniia. Moskva, Gospolitizdat, 1959. 30 p.
Law of value and the uneven economic development of collective farms [with summary in English]. B. F. Andreev. Vest. LGU 18 no. 5:13-20 '63.

AGRICULTURE—EXPERIMENTATION

(see also subdivision under Siberia)
Experimental work as a link between the teaching of biology and the productive work of students. A. N. Akoplan. Shkola i proizv. 6 no. 11:47-49 N '62.
Experimental work of student production brigades. G. I. Gordienko, V. S. Filippova. Shkola i proizv. 6 no. 11: 41-44 N '62.
Trace elements in the experiments of Novopokrovskoye students. A. M. Nazarenko. Shkola i proizv. 6 no. 11: 45-47 N '62.

AGRICULTURE—FINANCE see subdivision under Nigeria

AGRICULTURE—LABOR PRODUCTIVITY

(see also subdivision under Ukraine)
Lopatina, O. F. [Establishing work norms in agricultural enterprises] Normirovaniie truda v sel'skokhoziaistvennykh predpriatii. Moskva, Sel'khozizdat, 1962. 271 p.

AGRICULTURE—SAFETY MEASURES

Illy dryers fired with liquid fuel. Z. Shimanova. Pozh. delo 9 no. 2:12-13 F '63.
Preparing for spring. Pozh. delo 9 no. 2:1-2 F '63.

AGRICULTURE—STATISTICS

Statistical classification of the records of 16th century deeds. V. M. Panielakh. Trudy LOI AN SSSR no. 5: 542-550 '63.

AGRICULTURE—STUDY AND TEACHING

(see also subdivision under Tiraspol; Ukraine)
Conference in aid of universal primary education. V. Epifantsev. Kul't. -pros. rab. 24 no. 3:12-13 Mr '63.
Graduate students and agriculture. IA, G. Momot, K. B. Serobriakov. Vest. vys. shkoly 21 no. 4:26-30 Ap '63.
Inculcating the communist attitude to work in rural school graduates. M. G. Zagazhev. Shkola i proizv. 6 no. 11:28-28 N '62.
"Let's give the Soviet people a rich crop!" Kul't. -pros. rab. 24 no. 3:43 Mr '63.
Let's improve the quality of production training in rural schools. K. A. Ivanovitch. Sov. pedagog. 27 no. 3:70-77 F '63.
Let's improve the training of agriculture teachers. G. G. Shkola i proizv. 6 no. 12:59-63 D '62.
New trends in the student production brigades. L. N. Drozdov, M. T. Ivanov. Shkola i proizv. 6 no. 12:30-34 D '62.
Practical work in agriculture at a normal school. D. IA, Khebnikov. Sred. spots. obr. 10 no. 3:25-27 Mr '63.
Production training of agricultural technical school students. S. Kishkin and others. Sred. spots. obr. 10 no. 3:28-43 Mr '63.
Research in student working brigades. I. S. Mishchenko, L. I. Didenko. Rad. shik. 41 no. 2:73-75 F '63.
Summer semester at an agricultural biology station. I. T. Borodin, L. V. Gavrilova, D. D. Lavrov. Vest. vys. shkoly 21 no. 4:69-71 Ap '63.
Teachers of technical schools should have a knowledge of pedagogics. I. Bobylev. Sred. spots. obr. 10 no. 3: 18-21 Mr '63.

AGRICULTURE—TAXATION

Exemptions in agricultural taxation. A. Mikhlin. Otv. na vop. trud. no. 12:61-64 D '62.

AGRICULTURE, COOPERATIVE see subdivision under Africa; Hungary; Korea, North; Ukraine

AHUND-ZADE, FETH ALI, 1812-1878—BIBLIOGRAPHY see Bibliography—Ahund-Zade, Feth Ali, 1812-1878

AIR—COOLING

Cooling and drying of saturated air. A. A. Gogolin. Khol. tekh. 40 no. 1:29-32 Ja-F '63.

AIR, IONIZED—THERAPEUTIC USE

Use of apparatus in franklinization for aero-ionotherapeutic purposes. A. S. Putilin. Trudy Kish. gos. med. inst. 13:27-36 '63.

AIR, RAREFIED—PHYSIOLOGICAL EFFECT

Effect of lead poison on white mice in rarefied air deficient of oxygen. V. I. Zakharov. Trudy Kish. gos. med. inst. 13:161-165 '60.

AIR CONDITIONING—EQUIPMENT AND SUPPLIES

Machines that maintain artificial climate. E. Bakarin. Zhil. -kom. khoz. 13 no. 2:23 '63.

AIR-ENTRAINED CONCRETE

Effect of chlorides on the kinetics of gas formation in the production of air-entrained concrete. E. A. Krogus and others. Izv. vys. ucheb. zav. stroi. i arkh. 6 no. 1: 43-46 '63.

AIR FLOW

Spatial stationary nonlinear problem of the cold air-mass flow over a complex relief. V. A. Khalichev, L. N. Gutman. Izv. AN SSSR, Ser. geofiz. no. 2:349-361 F '63.

AIR PILOTS

Communist, outstanding pilot and high-class specialist. N. Chuganov, S. Ponomarev. Av. i kosm. 45 no. 4:5-10 Ap '63.
He will return to the sky. Sov. Soiz. no. 2:30-31 '63.
Maturity features. S. Zhukovskii, P. Tabratov. Av. i kosm. 45 no. 3:27-32 Mr '63.
Millionaires take council. N. Klavin, G. Grigor'ev, V. Mekhed, Grazhd. av. 20 no. 2:18-24 F '63.

AIR PREHEATERS

Adjustment and operation of a regenerative rotary air preheater. G. G. Zarchentsev. Elek. sta. 34 no. 3: 76-77 Mr '63.
Determining the optimum frequency of reversing blast furnace air preheaters. E. M. Gol'dfarb, L. V. Legavets. Izv. vys. ucheb. zav. ;chern. met. 6 no. 2:150-157 '63.
Lemlekh, I. M., and V. A. Gordin. [High temperature preheating of air in ferrous metallurgy] Vysokotemperaturnyi nagrev vozdukh v chernoi metallurgii. Moskva, Metallurgizdat, 1963. 352 p.
Performance of blast furnace air preheaters with dilution by a preheated blow. E. M. Gol'dfarb, L. V. Legavets. Metallurg 8 no. 3:3-5 Mr '63.

AIR TURBINES—TESTING

Eremenko, A. S., and others. [Stand for investigating aerodynamic processes in rotating models of turbine stages] Stend dlia issledovaniia aerodinamicheskikh protsessov vo vrashchaliushchikhia modelliakh stepenoi turbini. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 8 p. (Peredovoi nauchno-tehnicheskii i proizvodstvennyi opyt. Tema 34, No. P-58-48/5)

AIR WARFARE

Battlefield and aerial operations. A. Kravchenko. Av. i kosm. 45 no. 3:2-5 Mr '63.
Fighter planes against transport planes. V. Lukoshkov. Av. i kosm. 45 no. 3:42-47 Mr '63.
There are opportunities for creative activities. V. Vykhristenko. Av. i kosm. 45 no. 4:59-52 Ap '63.

AIRCRAFT

Is it possible to construct a muscle-powered aircraft? Douglas Wilky. Izobr. i rats. no. 1:24-25 '63.

AIRLINES

On the routes of the fifth ocean. E. F. Loginov. Sov. Soiz. no. 2:5 '63.
"TU" flies to Havana. V. Kivrin, V. Blagodetev. Sov. Soiz. no. 2:54-55 '63.

AIRLINES—TERMINALS see subdivision under Odessa

AIRLINES—TIMETABLES

Russia (1923- U.S.S.R.) Glavnoe upravlenie grazhdanskogo vozdukhno flota. [Airplane schedule] Raspisanie dvizheniia samoletov. [n.p.] No. 1. [Summer 1957] Leto 1957. 63 p. [PHOTOCOPY]

Russia (1923- U.S.S.R.) Glavnoe upravlenie grazhdanskogo vozdukhno flota. Raspisanie dvizheniia samoletov; mezhdunarodnye linii. Zima 1962-1963 gg. Timetable and fares; international services. Winter 1962-1963. Moskva, 1962-1963. 50 p. [Parallel texts in Russian and English]

AIRLINES — TIMETABLES (Continued)

Russia (1923- U. S. S. R.) Glavnoe upravlenie grazhdanskogo vozdukhogo flota. [Domestic airline schedule of the Civil Air Fleet from May 15 through November 14, 1961.] Raspisanie (dispatcher's) dvizheniya samoletov na vnutrennikh vozdukhnykh liniakh GVF s 15 maya po 14 noiabria 1961 goda. (Vypusk vtoroi) utochnennoe na 5 lunia. Moskva, Redaktsionno-izd. otдел Aeroflota, 1961, 150 p. [PHOTOCOPY]

AIRPLANES—COLD WEATHER OPERATION

Aeronavigation in winter. A. Dubovitskii. Grazhd. av. 12 no. 1:19 Ja '65.

AIRPLANES—DESIGN AND CONSTRUCTION

Heavy supersonic aircraft. A. Nikolaev. Av. i kosm. 45 no. 4:91-95 Ap '63.

Weight and quality. V. Kozlovskii. Av. i kosm. 45 no. 3:61-69 Mr '63.

AIRPLANES—ELECTRIC EQUIPMENT

Repair of static electricity dischargers. E. Pisarenko. Av. i kosm. 45 no. 3:85 Mr '63.

Sapron, D. N. [Aeronautical electric apparatus and mechanisms] Aviatatsionnye elektricheskie apparaty i mekhanizmy. Moskva, Oborongiz, 1962, 359 p.

AIRPLANES—ELECTRONIC EQUIPMENT

[Airborne radio navigation apparatus] Radiotekhnicheskie sredstva navigatsii letatel'nykh apparatov [By] G. P. Astaf'ev i dr. Moskva, Sovetskoe radio, 1962, 962 p.

Artemonov, V. M. [Electronic and automatic control on ships and in airborne radar systems] Elektroavtomatika sudovykh i samoletnykh radiolokatsionnykh stantsii. Leningrad, Sudpromgiz, 1962, 362 p.

AIRPLANES—ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur. : Av. i raket. dvig. no. 4 Ap '63.

AIRPLANES—EQUIPMENT AND SUPPLIES

Sapron, D. N. [Aeronautical electric apparatus and mechanisms] Aviatatsionnye elektricheskie apparaty i mekhanizmy. Moskva, Oborongiz, 1962, 359 p.

AIRPLANES—FLIGHT TESTING

Test pilot. V. Anon'in. Grazhd. av. 20 no. 2:14-15 F '63.

AIRPLANES—HANDLING CHARACTERISTICS

Flight engineer, remember that. . . Av. i kosm. 45 no. 3:58-59 Mr '63.

AIRPLANES—ICE PREVENTION

Ice and its effect on flight qualities of an airplane. O. Trunov. Grazhd. av. 12 no. 1:32-34 Ja '65.

AIRPLANES—JET PROPULSION

Engine of modern airplanes. S. Tumanskii. Av. i kosm. 45 no. 3:6-13 Mr '63.

AIRPLANES—LANDING

At night with a flare. E. Sukhorukov. Av. i kosm. 45 no. 4:44-49 Ap '63.

AIRPLANES—LANDING GEAR

Wheel mounting and pulling-off device. N. Timofeev. Av. i kosm. 45 no. 4:77-78 Ap '63.

AIRPLANES—MAINTENANCE AND REPAIR

(see also subdivision under Moscow) They are preparing airplanes for flights. N. Erosov. Av. i kosm. 45 no. 4:67-70 Ap '63.

AIRPLANES—SPEED

Determining actual speed of prescribed itinerary flights. S. Leskin. Av. i kosm. 45 no. 4:78-79 Ap '63.

AIRPLANES—TAKE-OFF

Eliminating errors. S. Fomin, A. Malasni. Av. i kosm. 45 no. 4:40-44 Ap '63.

This is not a new matter. A. Pushkin. Av. i kosm. 45 no. 4:34-35 Ap '63.

AIRPLANES—WINGS

Flap of a wing. Anna Miris. Znan., sila 39 no. 2:8-9 F '63.

AIRPLANES, MILITARY—ARMAMENT

Airplanes of the NATO countries and their armament. P. Safronov. Av. i kosm. 45 no. 3:91-95 Mr '63.

Automatic unit for testing rockets. I. Altinov. Av. i kosm. 45 no. 3:86-90 Mr '63.

AIRPLANES, MILITARY—MAINTENANCE AND REPAIR

In two shifts. I. Vasil'ev, S. Fedin. Av. i kosm. 45 no. 3:56-60 Mr '63.

AIRPORTS

(see also subdivision under Vnukovo)

Preparing an unpaved runway. L. Kartashev. Av. i kosm. 45 no. 4:49-53 Ap '63.

AIRPORTS—BUILDINGS see subdivision under Krasnoyarsk

AIRPORTS—COLD WEATHER CONDITIONS

Operation of an airport in winter. D. Zhezlov. Grazhd. av. no. 1:35-36 Ja '65.

AIRPORTS—DESIGN AND CONSTRUCTION

Gerberg, A. A., and A. S. Osipov. [Construction of airports] Stroitel'stvo aerodromov. Moskva, Avtotransizdat, 1962, 330 p.

AITIEV, GAFAR ATTIEVICH, 1912-

Gafar Aitiey. D. Oreshkin. Iskusstvo 26 no. 1:43-46 '63.

AIZENBERG, BORIS L'VOVICH, 1902-

B. L. Aizenberg; on his 60th birthday. V. A. Petrov, M. A. Chokhurev. Izv. vys. ucheb. zav. : energ. 8 no. 2:112 F '63.

AKADEMGORODOK—ACADEMY OF SCIENCES OF THE U. S. S. R.

Science center in Siberia. I. Orlov. Na stroi. Ros. 4 no. 1:16-19 Ja '63.

AKBURA VALLEY—EROSION

Types of gullies in the middle section of the Akbura Valley. N. V. Khmoleva, O. A. Borsuk. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:44-48 Mr-Apr '63.

AKHUNOV FAMILY

Akhunov studied here. Uzbekistan 22 no. 2:21 F '63.

AKMOLINSK see Tselinograd

AKMOLINSK PROVINCE see Tselinograd Province

AKOPIAN, AKOP, 1866-1937

Unknown letters of Akop Akopian. Kh. A. Barsagian. Ist.-filol. zhur. no. 1:211-233 '63.

AK-SAY VALLEY (KIRGHIZISTAN)—SOILS

[Practices in field station research on Alpine soils; as exemplified by the Ak-Say Field Station] Opyt statisticheskogo izucheniya vysokogornnykh pochv na primere Ak-Sayskogo stantsionara. [By] A. M. Mamytov i dr. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962, 268 p.

AKSENOV, PAVEL NIKOLAEVICH, 1902-

Pavel Nikolaevich Aksekov; his 60th birthday. Lit. proizv. no. 1:40 Ja '63.

ALA-TAU, KUZNETSK see Kuznetsk Ala-Tau

ALAARCHA VALLEY—METEOROLOGICAL STATIONS

On the snowline. Sov. Soluz. no. 1:8 '63.

ALANINE

Potential antineoplastics. Part 5: Peptides of β -(4-hydroxy-6-methyl-2-pyrimidinyl) alanine. IU, P. Shvachkin, L. A. Syrtsova. Zhur. ob. khim. 33 no. 3:778-783 Mr '63.

ALAY RANGE—GEOLOGY, STRATIGRAPHIC

Boundaries of the Turonian and Senonian in the Alay Range. Z. N. Polarkova. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 7:97-101 '62.

ALAY RANGE—GLACIOLOGICAL RESEARCH

How to help the sun. Edward Topol'. Vokrug sveta no. 2:33 F '63.

ALAY RANGE—SHEEP

Studying the commercial characteristics of the sheep skins obtained from improved Alay sheep breeds. A. N. Mashov. Nauch. issl. trudy NIIP no. 11:3-10 '62.

ALBERTI, RAPHAEL, 1902-

A dog given to Raphael Alberti. Pablo Neruda. Ogonek 41 no. 1:5 Ja '63.

ALBITE

Low-temperature quartz-albite alterations of rocks near uranium ore bodies. G. A. Lisitsina, B. I. Omel'yanenko, P. A. Raudonis. Geol. rud. mestorozh. 5 no. 1:7-16 Ja-F '63.

ALBUMIN

Effect of solubilization on the denaturation of egg albumin. V. N. Izmailova, V. A. Pchelina, L. V. Mitukhina. Dokl. AN SSSR 149 no. 4:888-890 Ap '63.

ALCOHOL

Determining the ester content of vodka and alcohols. G. L. Oshman, A. V. Savina. Spirt. prom. 20 no. 2: 14-17 '63.

ALCOHOLISM see subdivision under Podolsk

ALCOHOLS

Composition and stability of cadmium, lead, and zinc complexes with monoethanolamine in water-alcohol solutions. P. K. Migal', G. F. Sorova. Zhur. neorg. khim. 7 no. 7:1601-1607 Ji '62.

ALCOHOLISM

Diagnostic difficulties in the expertise on alcoholic para-noids. V. V. Anuchin. Prak. sudobnopsikh. ekspert. no. 7:42-49 '62.

Perfidious foe of the family. I. V. Strel'tchuk. Zdrav. 9 no. 2:14-15 F '63.

Role of subjective complaints in the expertise on alcoholic intoxication. A. K. Kachayev. Prak. sudobnopsikh. ekspert. no. 7:36-41 '62.

State of alcoholic intoxication in a schizophrenic. I. I. Zaborodin. Prak. sudobnopsikh. ekspert. no. 7:33-35 '62.

ALCOHOLS

Migration of the acyl group N-acyl derivatives of 1,4-amino alcohols. D. V. Ioffe, S. G. Kuznetsov. Zhur. ob. khim. 33 no. 3:991-994 Mr '63.

Study of the constituents of essential oils. Part 3: Addition of alcohols to sabinene. M. I. Gorbaev, G. A. Lit'sikov. Zhur. ob. khim. 33 no. 3:1031-1037 Mr '63.

ALDAN PLATEAU—GEOLOGY

Southwestern boundary and age of the Aldan Shield [with summary in English]. A. N. Neelov and others. Trudy i geofiz. no. 11:52-59 '62.

ALDAN PLATEAU—PHLOGOPITE

Genesis of phlogopite-bearing metasediments in the Aldan Shield. S. P. Murzaev, Nauch. soob. IAN SSSR no. 7:121-133 '62.

ALDER see subdivision under Khoper Preropye

ALDOLASE

Diagnostic value of the reaction to aldolase in children with epidemic hepatitis. S. I. Fishman. Trudy Kazan. gos. med. inst. 13:133-138 '60.

ALFALFA

(see also subdivision under Uzbekistan)

Forage and seed yields of alfalfa with humusol pathogenesis. D. V. Kulemina. Vop. biol. i krav. med. 4: 132-134 '62.

ALGAE

(see also subdivision under Volga Valley)

Effect of antibiotics on the lysis of Chlorocella pyrenoidosa Pringh cultures [with summary in English]. N. B. Zavarzina. Mikrobiologiya 31 no. 6:1002-1006 Ap '62.

ALGAE—CULTURES AND CULTURE MEDIA

Role of synchronous cultures in the study of the biology of Chlorocella and their practical use. R. V. Gorbunova and others. Mikrobiologiya 31 no. 6:1107-1111 Ap '62.

ALGAE, FOSSIL

Find of a lime corolla and the structure of the apical part of the fruit-bearing organs in fossil Chlorocella. V. P. Maslov. Dokl. AN SSSR 149 no. 4:944-945 Ap '63.

ALGEBRA

Tumanov, S. I. [Elementary algebra] Elementarnaya algebra; posobie dlia samostoyatel'nogo izucheniya. Izd. 2, s izm. i ispr. Moskva, Ucheptgiz, 1962, 855 p.

ALGEBRA OF LOGIC see Logic, Symbolic and mathematical

ALGEBRAS, LINEAR—PROBLEMS, EXERCISES, ETC.

Romakin, M. L. [Fundamentals of linear algebra and linear programming] Elementy lineinoy algebry i lineinogo programmirovaniya. Moskva, Gos. izdat. tekhn. shkola shkola, 1963, 277 p.

ALGERIA—ECONOMIC ASSISTANCE, RUSSIAN

Gift of friendship. V. Semukha. Sov. Krim. kvest. 12 no. 5:18 S-O '62.

ALGERIA—ECONOMIC CONDITIONS

The account of Algeria. Wilfred Burdett. Novyye izvestiya 20 no. 18:25-28 Ap '63.

ALGERIA—LAND TENURE

The battle for land in Algeria. IU, Organizatsiya. Nauch. vrem. 20 no. 18:14-16 Ap '63.

ALGORISM

Goranskii, G. K. [Theory of the automation of engineering work; using algorithms in designing machine tools] K teorii avtomatizatsii inzhenernogo truda; algoritmy i teorii proektirovaniya metallorezhushchikh stankov. Minsk, Izd-vo Akad. nauk BSSR, 1962, 214 p. [MICROFILM]

ALGORITHMS

Features of algorithms used by subjects in determining their discrimination thresholds. K. V. Naumov. Izv. AN SSSR 149 no. 6:81-84 '62.

ALIMENTARY CANAL—ABNORMALITIES AND DEFORMITIES

Some heterotopic formations in the gastrointestinal tract. A. M. Tarnopol'skii. Azerb. med. zhur. 40 no. 2:11-14 Ja '63.

ALKALI METAL ALUMINOSILICATES

Complex treatment of alkali aluminosilicates and their alumina-bearing minerals. E. I. Khazanov. Trudy Vost.-Sib. fil. AN SSSR no. 43:7-21 '62.

Investigating the process of granulating alkali silicate charge mixtures. E. I. Khazanov, D. D. Gerasimov. Trudy Vost.-Sib. fil. AN SSSR no. 43:40-51 '62.

Temperature range for the sintering of alkali aluminosilicate charge mixtures. E. I. Khazanov, A. P. Khabibulina. Trudy Vost.-Sib. fil. AN SSSR no. 43:22-31 '62.

ALKALI METAL CHLORIDES

Ternary reciprocal system consisting of sodium and potassium chlorides and hexafluoroaluminates. G. A. Bukhalova, G. N. Maslennikova, D. M. Rabkin, Zhur. neorg. khim. 7 no. 7:1640-1643 JI '62.

ALKALI METAL COMPOUNDS

Effect of outer-sphere cations on complex formation between cadmium and chlorine ions. V. E. Mironov, V. A. Kul'ba, V. A. Nazarov. Zhur. neorg. khim. 8 no. 4:916-922 Ap '63.

ALKALI METAL FERROCYANIDES

Reaction between silver nitrate and alkali metal ferrocyanides. I. V. Tananaev, S. I. Kachukhashvili. Zhur. neorg. khim. 7 no. 7:1516-1520 JI '62.

ALKALI METAL FLUOALUMINATES

Ternary reciprocal system consisting of sodium and potassium chlorides and hexafluoroaluminates. G. A. Bukhalova, G. N. Maslennikova, D. M. Rabkin, Zhur. neorg. khim. 7 no. 7:1640-1643 JI '62.

ALKALI METAL PHOSPHATES

Solubility isotherm (25°) in the system $\text{CsH}_2\text{P}_2\text{O}_4 - \text{NH}_4\text{H}_2\text{P}_2\text{O}_4 - \text{H}_2\text{O}$. A. I. Zvorykin, V. D. Ratnikova. Zhur. neorg. khim. 8 no. 4:1018-1019 Ap '63.

ALKALI METAL SILICATES

Effect of zirconium dioxide on the electrode properties and chemical stability of alkali metal silicates [with summary in English]. M. M. Shuita, A. I. Parfenov, N. P. Panfilova. Vest. LGU 18 no. 4:143-148 '63.

ALKALI METAL SULFATES

Quaternary system $\text{Ti}_2\text{Cl}_{12} - \text{Ti}_2\text{Br}_2 - \text{Na}_2\text{SO}_4 - \text{K}_2\text{SO}_4$. A. P. Palkin, T. A. Polivanova. Zhur. neorg. khim. 8 no. 4:959-963 Ap '63.

Solubility polytherm for the quaternary system $\text{Li}_2\text{SO}_4 - \text{Na}_2\text{SO}_4 - \text{K}_2\text{SO}_4 - \text{H}_2\text{O}$ in the temperature range from 15 to 100°C. I. N. Lepeshkov, N. V. Bodaeva, L. T. Kotova. Zhur. neorg. khim. 7 no. 7:1699-1703 JI '62.

ALKALI METALS

Mikul'skiĭ, A. S. [Vacuum electric furnaces for the production of alkali metals and alkaline earth metals] Vakuurnyye elektricheskie pechi dlia polucheniia shchelochnykh i shchelochnozemel'nykh metallov, Moskva, Gosenergizdat, 1962, 96 p. (Biblioteka elektrolitov, no. 14)

ALKALI METALS—ANALYSIS

Fabrikova, E. A. [Flame photometry in the determination of alkali metals in silicate rocks and minerals] Plamenofotometricheskoe opredeleniye shchelochnykh metallov v silikatnykh porodkakh i mineralakh, Moskva, 1960, 20 p. (Akademiya nauk SSSR, Institut mineralogii i geokhimii i kristalloghimii redkikh elementov, Metodicheskie materialy, no. 3)

ALKALIES

Behavior of the aluminum anode in galvanic cells with an alkaline electrolyte. A. V. Kuz'mina, L. L. Kuz'min, Zhur. prikl. khim. 36 no. 2:356-362 F '63.

ALKALIES—SPECTRA

Electron paramagnetic resonance spectrum of a hydrated electron in irradiated frozen alkaline solutions. B. G. Ershov and others. Dokl. AN SSSR 149 no. 2:363-366 Mr '63.

ALKALINE EARTH COMPOUNDS

Oxalate-zirconates of alkaline earth metals. V. P. Shvedov, N. A. Susorova. Zhur. neorg. khim. 8 no. 4: 893-895 Ap '63.

ALKALINE EARTH METALS

Mikul'skiĭ, A. S. [Vacuum electric furnaces for the production of alkali metals and alkaline earth metals] Vakuurnyye elektricheskie pechi dlia polucheniia shchelochnykh i shchelochnozemel'nykh metallov, Moskva, Gosenergizdat, 1962, 96 p. (Biblioteka elektrolitov, no. 14)

ALKALINE EARTH OXIDES

Effect of alkaline earth oxides on the electrode properties and chemical stability of lithium silicate glasses [with summary in English]. M. M. Shuita and others. Vest. LGU 18 no. 4:104-114 '63.

Effect of alkaline earth oxides on the electrode properties and chemical stability of sodium silicate glasses [with summary in English]. M. M. Shuita and others. Vest. LGU 18 no. 4:114-120 '63.

ALKANES see Paraffins

ALKENES see Olefins

ALKYL IODIDES

Alkylation of phosphorus diiodide with higher alkyl iodides. N. G. Feshchenko, T. I. Alekseeva, A. V. Kirsanov. Zhur. ob. khim. 33 no. 3:1013-1014 Mr '63.

ALKYLATION

Alkylation of phenol with olefins in the presence of synthetic aluminosilicates. IU. G. Mamedaliev and others. Azerb. khim. zhur. no. 2:11-18 '62.

Alkylation of toluene, xylenes, and trimethylbenzenes with olefins in the presence of synthetic aluminosilicates. IU. G. Mamedaliev and others. Azerb. khim. zhur. no. 2:3-9 '62.

ALLERGY

Characteristics and mechanism of the changes in the erythrocytes in various allergy periods. Vop. biofiz., biokhim. i pat. erit. no. 2:163-168 '61.

ALLEVARDITE—ANALYSIS

X-ray studies of allevardite. IU. M. Korolev. Rent. min. syr. no. 1:47-52 '62.

ALLIANCE FOR PROGRESS

The "Alliance for Progress" means business and expansion of the U.S.A. S. Mikhailov and others. Mezhdunar. zhizn' 10 no. 4:70-93 Ap '63. What is concealed behind the name "Alliance for Progress." V. Levin. Polit. samoochr. 7 no. 2:83-87 F '63.

ALLOTMENT OF LAND

New procedure for the allotment of land in the section of grants appropriated for railroad employees. Put' i put. khoz. 7 no. 1:37 '63.

ALLOYS

Classification of the structures of binary metal alloys of the eutectic type. V. V. Nikonova. Uch. zap. Mosk. gor. ped. inst. 86:217-227 '60.

ALLOYS—ELECTRIC PROPERTIES

Temperature dependence of the electric conductivity of certain alloys. A. M. Korol'kov, D. P. Shashkov. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1: 105-108 Ja-F '63.

ALLOYS—ELECTROMETALLURGY

Fedorov, N. P., and others. [Electrolytic alloys] Elektroliticheskie splavy. Pod red. N. P. Fedorova. Moskva, Mashgiz, 1962, 311 p.

ALLOYS—METALLURGY

Ultrasonic waves in the production of new alloys. G. I. Pogodin-Alekseev. Lit. proizv. no. 5:28-30 My '62.

ALLYL COMPOUNDS

Allylation of chloromethoxypridines. B. I. Mikhant'ev, E. I. Fedorov. Zhur. ob. khim. 33 no. 3:865-866 Mr '63.

ALMA-ATA—COOKING SCHOOLS

Young cooks. S. Merekeeva, Koop. Kazakh. 5 no. 1:47 Ja '63.

ALMA-ATA—LAUNDRY INDUSTRY

Services miss the mark. V. Kzhakhov. Zhil. -kom. khoz. 13 no. 3:19-20 Mr '63.

ALMA-ATA—PRECAST CONCRETE CONSTRUCTION—ACCOUNTING

Standard accounting in construction and assembly production. G. Olt'skiĭ, I. Erokhin. Bukhg. uch. 20 no. 2: 21-24 F '63.

ALMOND see subdivision under Tajikistan

ALONSO, ANGELA

A daughter of the freedom island. N. Berezinska. Rabotnitsa no. 1:8 Ja '63.

Let's kiss him over Voronezh! L. Kafanova, Ogonek 41 no. 6:10 F '63.

ALPHA RAYS

Angular distribution of α -particles from the ^{60}Co (β , α) ^{15}N reaction [with summary in English]. K. V. Karadzhev, V. I. Man'ko, F. E. Chukreev. Zhur. eksp. i teor. fiz. 44 no. 3:870-877 Mr '63.

ALPHA RAYS—SPECTRA

Determining the content of alpha emitters of like energies in isotope mixtures. L. S. Gorn, B. I. Khazanov. Atom. energ. 14 no. 4:409-411 Ap '63.

ALTAI MOUNTAINS—MINING ENGINEERING

Selection of the method of developing the Nikolayevka deposit. V. V. Lositskiĭ. Trudy Ait. Gornii AN Kazakh. SSR 13:32-38 '62.

ALTAI MOUNTAINS—STONE IMPLEMENTS

Stone Age implements in the Gornyy Altai. A. A. Krylova, I. M. Pavliuchenko. Krat. soob. Inst. arkheol. no. 92: 61-64 '62.

ALTAI MOUNTAINS—SVANBERGITE

Svanbergite in the Gornyy Altai. E. I. Nikitina and others. Dokl. AN SSSR 149 no. 4:942-944 Ap '63.

ALTITUDE, INFLUENCE OF

Changes in the blood of sportsmen under the influence of moderate altitude. D. A. Alipov. Sov. zdrav. Kir. no. 1:11-15 Ja-F '63.

Konferentsiya po vysokogor'iu i kholodovoi travme. [Transactions of the Conference on High-Mountain Conditions and Trauma Caused by Cold] Trudy. Pod red. G. L. Frenkella i L. Sh. Zabirova. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962, 359 p. (DNLN)

ALUMEL

Zubov, I. P. [Stability of the thermal e.m.f. in chromel-alumel thermocouples in a 300-1000° temperature range] Stabilit'nost' T. E. D. S. khromel'-alumel'evykh termopar v intervale 300-1000. Moskva, Filial Vses. in-ta nauchn. tekhn. informatsii, 1957, 32 p. (Pereodovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-57-20/5)

ALUMINOSILICATES

Transformation of p-phenyltolylmethane on aluminosilicate catalysts. A. F. Dobrianskiĭ, E. N. Bykov. Zhur. prikl. khim. 36 no. 2:461-464 F '63.

ALUMINOTHERMY

Lower chromium oxides in slags of an out-of-furnace aluminothermic process. A. S. Dubrovina, L. N. Rusakov. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:53-58 Ja-F '63.

ALUMINUM

(see also subdivision under Kurile Islands)

Karra, V. Ia. [Performance of chromium plating steel baths with passivation linings and cathodic protection. Molybdenum coating of aluminum and its alloys] Rabota stal'nykh khromovykh vann s primeneniem passivirovaniia i katodnoi zashchity. Molybdenirovaniye aluminia i ego splavov. [By] A. S. Minin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Pereodovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-265/28)

ALUMINUM—ANALYSIS

Analyzing specimens in the determination of silicon an aluminum in products of the electrothermic production of fused silicon and aluminum. A. I. Kapustina. Trudy Vost.-Sib. fil. AN SSSR no. 43:87-89 '62.

Determination of ultrasmall amounts of tin, bismuth, and antimony in high purity aluminum by the method of anodic volt-ampere measurement on a stationary mercury electrode [with summary in English]. E. N. Vinogradova, L. N. Vasil'eva. Zhur. anal. khim. 17 no. 5:579-584 Ag '62.

New microluminescence method of titration of small amounts of a substance in solutions. Report No. 3: Determination of aluminum [with summary in English]. K. P. Stolarov, N. N. Origor'ev. Zhur. anal. khim. 17 no. 5:565-567 Ag '62.

Trilonometric determination of aluminum in fused silicon and aluminum during the electrometallurgy of aluminum. A. I. Kapustina, N. M. Konstantinova, Z. I. Mikhneva. Trudy Vost.-Sib. fil. AN SSSR no. 43:90-92 '62.

ALUMINUM—ELECTROMETALLURGY

Analyzing specimens in the determination of silicon an aluminum in products of the electrothermic production of fused silicon and aluminum. A. I. Kapustina. Trudy Vost.-Sib. fil. AN SSSR no. 43:87-89 '62.

Changes in the phase composition of an alumina-kaolin charge mixture in the process of charge-resistance melting of fused silicon and aluminum. E. I. Khazanov, G. V. Kuz'mina, S. G. Dontsova. Trudy Vost.-Sib. fil. AN SSSR no. 43:77-81 '62.

Investigating the process of briquetting a kaolin-alumina charge for the carbothermic production of fused silicon and aluminum. V. P. Okladnikov. Trudy Vost.-Sib. fil. AN SSSR no. 43:82-86 '62.

Trilonometric determination of aluminum in fused silicon and aluminum during the electrometallurgy of aluminum. A. I. Kapustina, N. M. Konstantinova, Z. I. Mikhneva. Trudy Vost.-Sib. fil. AN SSSR no. 43:90-92 '62.

ALUMINUM—METALLURGY

Effect of aluminum oxides on gas saturation and gas evolution processes in aluminum and its alloys. V. P. Ivanov, A. G. Spasskiĭ. Lit. proizv. no. 1:26-28 Ja '63.

ALUMINUM ALLOYS

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zhelezнодорожного transporta. [Aluminum alloys for rolling stock] Aluminievyye splavy dlia podvizhnogo soetaia. Pod red. S. G. Vedenkina. Moskva, Transzheldorizdat, 1962, 41 p.

ALUMINUM ALLOYS—METALLOGRAPHY

Formation of structural components in aluminum alloys under the effect of ultrasonic waves. G. I. Eskin, I. N. Fridlander, M. K. Rubleva. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:109-112 Ja-F '63.

ALUMINUM ALLOYS—TESTING

Strength of aluminum alloys subject to dynamic loads. I. L. Korzhinskiĭ, G. V. Becheneva. Prom. stroi. 40 [i.e. 41] no. 3:43-46 Mr '63.

ALUMINUM ALLOYS—WELDING

Changes in weld zone metal properties during the argon-arc welding of ABT1, AMg8, B92, and ATSM alloys. A. S. Chesnokov, A. M. Petrov. Svar. proizv. no. 3:16-18 Mr '63.

Oxy-acetylene welding of aluminum alloys without flux. A. A. Matavin. Sudostroenie 28 no. 1:65-68 Ja '63.

ALUMINUM ANTIMONIDES

Interaction of aluminum antimonide with sulfur. M. S. Mirgalovskaya, I. A. Strel'nikova. Zhur. neorg. khim. 8 no. 4:950-953 Ap '63.

ALUMINUM BROMIDE

Raman spectra of $AlCl_3$ and $AlBr_3$ in different phase states. E. V. Pershina, Sh. Sh. Rasikin. Opt. i spektr. 13 no. 4:488-491 O '62.

ALUMINUM CARBIDE

Interaction of aluminum carbide and magnesium oxide. E. I. Khazanov and others. Trudy Vost.-Sib. fil. AN SSSR no. 43:112-128 '62.

Reaction of aluminum carbide with magnesium oxide. E. I. Khazanov and others. Zhur. prikl. khim. 36 no. 2:251-263 F '63.

ALUMINUM CHLORIDE

Chlorination of titanium dioxide with aluminum chloride in melted carnallite. A. B. Bezukladnikov. Zhur. prikl. khim. 36 no. 2:451-453 F '63.

Raman spectra of $AlCl_3$ and $AlBr_3$ in different phase states. E. V. Pershina, Sh. Sh. Rasikin. Opt. i spektr. 13 no. 4:488-491 O '62.

ALUMINUM-COPPER ALLOYS

Anodic oxidation of aluminum-copper alloys in sulfuric acid. M. N. Tkutina and others. Zhur. prikl. khim. 36 no. 2:338-344 F '63.

ALUMINUM ELECTRODES

see Electrodes, Aluminum

ALUMINUM FORGINGS

Shor, E. R. [Selecting metal lubricants and equipment for their mechanized application during the forging of aluminum alloys] Vyb. tekhnologicheskikh smezok i obrabotvovaniya dlya ikh mekhanizirovannogo naneseniya pri gorlachei shtampovke aluminievyykh splavov, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 30 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, No. M-58-43/4)

ALUMINUM FOUNDRY

New Al-15-8K aluminum alloy for pressure casting. E. A. Lobedev, V. N. Gudina. Lit. proizv. no. 5:9-10 My '62.

ALUMINUM HALIDES

Infrared spectra of olefin complexes with aluminum halides. D. S. Bystrov. Dokl. AN SSSR 149 no. 4:872-875 Ap '63.

ALUMINUM-MAGNESIUM ALLOYS—METALLURGY

Improving the quality of the AL8 alloy. A. V. Leont'eva, I. U. E. Batuner, R. B. Likhachev. Lit. proizv. no. 1:37 Ja '63.

ALUMINUM-MAGNESIUM-ZINC ALLOYS

Fridlander, I. N., and E. I. Kutaitseva. [High strength V95 aluminum alloy; system aluminum - magnesium - zinc - copper] Vysokoprochnyy aluminovyiy splav V95; sistemy aluminii - magnii - tsinka - med'. Moskva, In-t tekhniko-ekon. informatsii, 1956, 61 p. (Informatsiia o nauchno-issledovatel'skikh rabotakh, Tema 6, No. I-56-34)

ALUMINUM ORGANIC COMPOUNDS

Reaction of aluminum alkyls with hydrogen. K. S. Minsker and others. Izv. AN SSSR, Otd. khim. nauk no. 4:837-840 Ap '63.

ALUMINUM OXIDES

Changes in the phase composition of clays during heating in a neutral atmosphere in the presence of a solid reducing agent. E. I. Khazanov and others. Trudy Vost.-Sib. fil. AN SSSR no. 43:60-76 '62.

Complex treatment of alkali aluminosilicates and other alumina-bearing minerals. E. I. Khazanov. Trudy Vost.-Sib. fil. AN SSSR no. 43:7-21 '62.

Industrial assaying of feldspar rocks as a raw material for the production of alumina. E. P. Khazanov and others. Trudy Vost.-Sib. fil. AN SSSR no. 43:38-39 '62.

Laboratory equipment for modeling the sintering process of alumina-bearing charge mixtures. E. I. Khazanov, A. S. Galkov. Trudy Vost.-Sib. fil. AN SSSR no. 43:56-58 '62.

Nepheline rocks of the Buryat A. S. S. R. are a possible raw material for the production of alumina. G. V. Kuz'mina and others. Trudy Vost.-Sib. fil. AN SSSR no. 43:63-68 '62.

ALUMINUM-TITANIUM ALLOYS

see Titanium-aluminum alloys

ALUMINUM-TITANIUM-CHROMIUM ALLOYS

see Titanium-aluminum-chromium alloys

ALUMINUM-TITANIUM-MOLYBDENUM ALLOYS

see Titanium-molybdenum-aluminum alloys

ALYGDZHER—COOPERATIVE SOCIETIES

In the Sayan Mountains. An. Davydov. Sov. potreb. koop. 7 no. 4:48 Ap '63.

ALYTUS—POSTAL SERVICE

Post office of Alytus, V. A. Putinas. Vest. svinzi 23 no. 3:27-28 Mr '63.

AMATEUR ART ACTIVITIES

see subdivision under Maritime Territory

AMATEUR MOTION PICTURES

(see also subdivision under Moscow)

The most important thing. L. Filashin. Klub 12 no. 3:15-16 Mr '63.

AMATEUR MOTION-PICTURES—BIBLIOGRAPHY

see Bibliography—Amateur motion-pictures

AMATEUR RADIO STATIONS

Are one hundred and fifty participants too few for the all-Union competitions? K. Lutsenko. Radio no. 12:11-12 D '62.

CQ SSB. Radio no. 12:19 D '62.

Following the amateur radio bands. N. Kazanskii. Radio no. 12:10-11 D '62.

An important link. F. Gafurov. Radio no. 4:7 Ap '63.

In the Presidium of the Central Committee of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy. Radio no. 4:11 Ap '63.

The "ordinary" radio amateurs should be kept in mind. I. TSapiv. Radio no. 4:10-11 Ap '63.

Pledge of success. A. Matilavskii. Radio no. 4:8-9 Ap '63.

A radio amateur must have the desire to experiment. Z. Laishov. Radio no. 12:16-17 D '62.

Radio amateurs in the military service. A. Leonov. Radio no. 12:18 D '62.

Radio newspaper. S. Strel'tsov. Klub 12 no. 11:37 N '62.

Short and ultrashort radio waves. Radio no. 12:14-15 D '62.

Short waves. A. Sukhov. Radio no. 4:12-13 Ap '63.

The team from the U. S. S. R. is in the lead. V. Lykov. Radio no. 12:13 D '62.

Ultrashort waves. R. Gaukhan. Radio no. 4:14-17 Ap '63.

AMATEUR THEATRICALS

(see also subdivision under Moscow; Opochka)

Akademiia nauk SSSR, Institut istorii iskusstv, [People's theaters] Narodnye teatry; sbornik statei, Moskva, 1962, 215 p.

A survey is taking place. Klub 12 no. 3:13, 16 Mr '63.

AMBAR HEMP

Use of N. P. Krenke's theory in determining the ripening time of ambar hemp varieties in the early stages of their development. A. F. Iusupova. Vop. biol. i kraev. med. no. 3:67-76 '62.

AMERICA—ARCHAEOLOGY

"Essays in pre-Columbian art and archaeology" [in English] by Samuel K. Lothrop and others. Reviewed by R. Kindzhalov. Sov. etn. no. 1:163-166 Ja-F '63.

AMERICAN ART

see Art, American

AMERICAN FEDERATION OF LABOR AND CONGRESS OF INDUSTRIAL ORGANIZATION

Cold war reserve. George Morris. Vsem. prof. dvizh. no. 1:22-30 Ja '63.

AMGA VALLEY—STONE AGE

Find of neolithic implements in the Amga Valley. S. A. Fedoseeva. Nauch. soob. IAFAN SSSR no. 3:86-90 '60.

AMIDES

Derivatives of indazole. Part 1: Reaction of 1-benzylindazole with sodium amide. A. M. Simonov, R. K. Martso-kha, F. T. Pozharskii. Zhur. ob. khim. 33 no. 3:1001-1005 Mr '63.

Synthesis of high-molecular weight amides and hydrazides of penicillins. S. N. Ushakov, E. F. Panarin. Dokl. AN SSSR 149 no. 2:334-337 Mr '63.

AMIDES—THERAPEUTIC USE

Chemical structure and biological activity in the series of amides of some carboxylic acids. P. A. Petunin, M. S. Khodyreva. Zhur. ob. khim. 33 no. 3:755-761 Mr '63.

AMIDINES—SPECTRA

Infrared spectra of hydrochloric amidine halides. V. I. Ganina, A. I. Finkel'shtein. Opt. i spektr. 13 no. 4:576-578 O '62.

AMINES

Bis (β -chloroethyl) amines, derivatives of urea and thiourea. A. Ia. Berlin, I. S. Levi. Zhur. ob. khim. 33 no. 3:860-865 Mr '63.

Extraction of nitric acid with amines. V. V. Fomin, V. T. Potapova. Zhur. neorg. khim. 8 no. 4:990-1002 Ap '63.

Kinetics of the interaction between acid chlorides and amines. S. G. Entelis, O. V. Nesterov. Dokl. AN SSSR 148 no. 6:1323-1326 F '63.

Molecular compounds of benzoic acid with amines. E. N. Gur'lanova, I. G. Beskina. Zhur. ob. khim. 33 no. 3:926-934 Mr '63.

AMINO ACID METABOLISM

Physiology of the amino acid metabolism in *Bacillus brevis* var. G. -B. V. N. Shaposhnikov, N. S. Egorov, V. V. Korshunov. Dokl. AN SSSR 148 no. 5:1156-1159 F '63.

AMINO ACIDS

Effect of ipazine on the content and composition of free sugars and amino acids in the cotton plant. A. F. Ediatulina. Vop. biol. i kraev. med. no. 3:127-131 '62.

AMINO COMPOUNDS

3,6-Endoxo-cyclohexenes and -cyclohexenes. Part 9: Synthesis of amino derivatives of the 3,6-endoxo-cyclohexene series. I. U. K. Iur'ev, N. S. Zefirov, R. A. Ivanova. Zhur. ob. khim. 33 no. 3:813-817 Mr '63.

AMINO GROUP

Reaction of bromine with some tetravalent platinum aminates. I. U. N. Kukushkin. Zhur. neorg. khim. 8 no. 4:823-829 Ap '63.

Reaction of chlorine with palladium and platinum aminates. I. U. N. Kukushkin. Zhur. neorg. khim. 8 no. 4:817-822 Ap '63.

AMMONIA

Heats of activation of the reaction of ammonia decomposition on catalysts of various chemical nature. Part 1: Iron-based catalysts. I. U. N. Arthukh, M. T. Rustov, O. A. Strel'tsov. Kin. i kat. 4 no. 1:134-138 Ja-F '63.

Precipitation reactions of copper subbromides by ammonia. A. K. Kirakostian. Zhur. neorg. khim. 8 no. 4:985-910 Ap '63.

AMMONIA AS FERTILIZER

Effectiveness of applying peat-ammonia fertilizers to potatoes. Sh. I. Lytvak. Vsesoyuz. nauch. 6 no. 2:97-98 F '63.

Unexchangeable ammonium fixation in soils [with summary in English]. P. M. Smirnov, N. I. Frukova. Pochvovedenie no. 3:83-93 Mr '63.

AMMONIUM CHLORIDE

Complex compounds of acetylene with $CuCl \cdot NH_4Cl$. Part 1. A. L. Klebanskii, I. M. Dolgopolskii, Z. F. Dobler. Zhur. ob. khim. 33 no. 3:761-768 Mr '63.

Effect of various factors on the formation of the complex compounds of acetylene with $CuCl \cdot NH_4Cl$, and properties of the latter. Part 2. A. L. Klebanskii, I. M. Dolgopolskii, Z. F. Dobler. Zhur. ob. khim. 33 no. 3:769-772 Mr '63.

AMMONIUM COMPOUNDS

Polarographic properties of diquaternary ammonium derivative of ethylenediamine with activated C-N bonds. A. I. Lopushanskii, V. P. Denisenko, M. V. Pekkhour-skala. Zhur. ob. khim. 33 no. 3:728-731 Mr '63.

AMMONIUM PERCHLORATE

Catalysis of reactions in the solid phase; the thermal decomposition of ammonium perchlorate in the presence of ferric oxide. F. Solymski, L. Revesz. Kin. i kat. 4 no. 1:88-96 Ja-F '63.

AMMONIUM PEROXYDISULFATE

Reducing properties of $(NH_4)_2S_2O_8$. N. D. Hirnikov. Zhur. neorg. khim. 7 no. 7:1746-1750 Ji '62.

AMMONIUM SULFATE—TRANSPORTATION

Loading and unloading of ammonium sulfate. P. Vinuk. Mor. flot 23 no. 3:13-14 Mr '63.

AMMONIDEA

see subdivision under Tuarkyr region

AMOEBIA

Methods of the transplantation of nuclei in amoebas. A. L. Iudin. TSitologiya 4 no. 3:361-365 My-Je '62.

AMORTIZATION

Obsolescence and amortization of fixed assets [with summary in English]. V. G. Zakharov. Vest. LGU 18 no. 5:125-129 '63.

AMPHIBIA—EMBRYOLOGY

see Embryology—Amphibia

AMPHIBOLITE

Hornblende from garnet amphibolite. A. P. Bobylevich, G. I. Smirnov. Nauch. soob. IAFAN SSSR no. 2:40-41 '60.

AMPHIPODA

see subdivision under Moldavia

AMPLIFIERS (ELECTRONICS)

Graphical analysis of the stability of systems with negative resistance. M. E. Gertsenshtein, N. V. Timonova. Radiotekh. i elektron. 8 no. 3:510-513 Mr '63.

Increase in the operational bandwidth of the ShA U-51 wide-band antenna amplifier. Vest. svyazi 23 no. 3:13-14 Mr '63.

Multieavity quantum amplifiers. N. V. Karlov, A. M. Prokhorov. Radiotekh. i elektron. 8 no. 3:453-455 Mr '63.

Semiconductor d. c. amplifier for an electric drive. A. F. Zuev. Avion. i prib. no. 1:84-85 Ja-Mr '63.

Universal amplifier for a magnetic tape recorder (from "Das Elektron," no. 19 1962). Radio no. 4:61 Ap '63.

AMPLIFIERS, ELECTRON-TUBE

A high-frequency amplifier. E. Boronovskov. Radio no. 12:34-37 D '62.
Low-frequency amplifiers. V. Bol'shov. Radio no. 4:31-34 Ap '63.

Rudakov, V. V., and G. A. Ustinov. [Electronic amplifier with a multiplying device for servo drive systems] Elektronnyi usilitel' s mnozhitel'nym ustroystvom dlia sistem slediashego privoda. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii 1958. 23 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-68-69/7)

AMPLIFIERS, TRANSISTOR see Transistor amplifiers

AMUR VALLEY—ENGINEERING GEOLOGY

Leonov, G. P., and E. M. Sergeev, eds. [Geology and engineering geology of the upper Amur Valley] Geologicheskoe stroenie i inzhenerno-geologicheskai kharakteristika doliny Verkhnego Amura. [Moskva] Izd-vo Mosk. univ., 1962. 317 p.

AMUR VALLEY—GEOLOGY

Leonov, G. P., and E. M. Sergeev, eds. [Geology and engineering geology of the upper Amur Valley] Geologicheskoe stroenie i inzhenerno-geologicheskai kharakteristika doliny Verkhnego Amura. [Moskva] Izd-vo Mosk. univ., 1962. 317 p.

AMUR VALLEY—SOILS—SILICON CONTENT

New orthoeluvial formations of amorphous silica in the brown forest soils of the Amur Valley. B. A. Zimovets. Pochvovedenie no. 2:40-42 F '63.

AMYLOIDOSIS

Amyloidosis of the conjunctiva [with summary in English]. E. F. Levkova. Oft. zhur. 17 no. 7:401-406 '62.

ANABAR SHIELD—HORNBLENDE

Determining feldspar minerals of hornblendes in the rocks of granulitic facies. B. G. Luts. Nauch. soob. IAFAN SSSR no. 7:107-111 '62.

ANABAR SHIELD—GERROMANGANESE

Determining feldspar minerals of hornblendes in the rocks of granulitic facies. B. G. Luts. Nauch. soob. IAFAN SSSR no. 7:107-111 '62.

ANABAR SHIELD—PSEUDOTACHYLYTE

Pseudotachylytes of the Anabar massif and problems of their origin. B. G. Luts. Geol. i geofiz. no. 11:90-102 '62.

ANABASINE

Synthesis based on Anabasine. Part 16: Reactions of N-oxides of N-methylanabasine with methyl magnesium iodide. O. S. Otroshchenko and others. Zhur. ob. khim. 33 no. 3:1038-1041 Mr '63.

ANALCITE see subdivision under Borus Range

ANALYSIS (MATHEMATICS) see Functions

ANALYSIS, THERMAL see Thermal analysis

ANALYTIC FUNCTIONS see Functions, Analytic

ANALYTICAL CHEMISTRY see Chemistry, Analytical

ANATOMY, HUMAN

"Human anatomy" by N. V. Kolesnikov. Reviewed by D. D. Shetepa. Vop. antr. no. 11:157-158 '62.

ANATOMY, HUMAN—ATLASES

Shel'nikov, R. D. [Atlas of human anatomy in three volumes] Atlas anatomii cheloveka v trekh tomakh. Izd. 2., perer. i dop. Moskva, Medgiz, Vol. 1. [Study of the bones, joints, ligaments and muscles] Uchenie o kostakh, sustavakh, svyazkakh i myshitsakh. 1963. 477 p.

ANATOMY, HUMAN—CONGRESSES

Nauchnaya konferentsiya po vozrastnoi morfologii, fiziologii i biokhimi. 5th, 1961. [Transactions of the Fifth Scientific Conference on Age-Related Morphology, Physiology, and Biochemistry] Trudy. Pod red. A. A. Markosiana. Moskva, Izd-vo Akad. nauk RSFSR, 1962. 557 p.

[MICROFILM]

ANATOMY, SURGICAL AND TOPOGRAPHICAL

[Course of operative surgery and topographical anatomy] Kurs operativnoi khirurgii i topograficheskoi anatomii. [By] G. E. Ostroverkhov, D. N. Labotskii, I. M. Bommash. Moskva, Medgiz, 1963. 730 p.

(DNLM)

"Some problems of topographic anatomy and operative surgery" by M. S. Znamenski. Reviewed by V. Brzhe-
skii. Sov. zdrav. Kir. no. 1:63-64 Ja-F '63.

ANCHORAGE

Stopping device for traction chains. V. D. Kuz'min. Sbor. izobr. v ryb. prom. za 1959 g. :132-133.

Stress relief equipment for screw propellers in testing ship power units for mooring. I. I. Bormotov. Sbor. izobr. v ryb. prom. za 1959 g. :114-115.

ANDIZHAN PROVINCE—BOLLWORM—BIOLOGICAL CONTROL

On the biology of Habrobracon hebetor Say (Piotnikovi) Bogo-Iubov-brevicornis Weem.), parasite of the bollworm in Andizhan Province. A. K. Mansurov. Vop. biol. i kraev. med. no. 3:170-177 '62.

ANDIZHAN PROVINCE—ICHNEUMON FLIES

On the biology of Habrobracon hebetor Say (Piotnikovi) Bogo-Iubov-brevicornis Weem.), parasite of the bollworm in Andizhan Province. A. K. Mansurov. Vop. biol. i kraev. med. no. 3:170-177 '62.

ANDIZHAN PROVINCE—PETROLEUM WORKERS

Reins with a hand bell. Komsom. zhizn' no. 3:27-28 F '63.

ANDREEV, VASILII VASIL'EVICH, 1861-1918

Sokolov, F. V. [V. V. Andreev and his orchestra] V. V. Andreev i ego orkestr. Leningrad, Muzgiz, 1962. 108 p.

ANDRONOV, IVAN KOZ'MICH, 1894-

Collector of mathematical treasures. R. Simonov. V mire knig 3 no. 3:45 Mr '63.

ANEMIA

Clinical use of the acid erythrogram method in post-hemorrhagic anemias. B. S. Grakov. Vop. biofiz., biokhim. i pat. erit. no. 2:234-252 '61.

Different erythrocyte populations in some anemic states. A. I. Vorob'ev, M. D. Brilliant. Vop. biofiz., biokhim. i pat. erit. no. 2:226-233 '61.

ANEMOMETER

New M-61 marine anemometer. A. Ovsinnikov. Mor. flot 23 no. 4:26 Mr '63.

ANEMONES see subdivision under Tashkent

ANESTHESIA IN DENTISTRY

Comparative evaluation of the effectiveness of some anesthetic substances in preparing the teeth for a nonremovable prosthesis, based on electromyography data. A. A. Pochtarev. Probl. stom. 6:259-261 '62.

Valshlat, S. N. [Local anesthesia for operations on the face, the jaws, and the teeth] Mestnoe obezboivanie pri operatsiyakh na litse, cheljustyakh i zebakh. Kiev, Gosmedizdat USSR, 1962. 468 p.

(DNLM)

ANESTHESIA IN OBSTETRICS

Childbirth without pain. B. Shubin. Rahodntsa 40 no. 6:23 Je '62.

ANESTHESIOLOGY

Without pain. I. S. Zhorov, V. I. Zhorov. Zdorovie 9 no. 2:4-5 F '63.

ANEURYSMS

Case of successful removal of a venous aneurysm of the orbit. M. M. Zolotareva. Oft. zhur. 17 no. 7:441-442 '62.

ANGARA RIVER—ICE ON RIVERS LAKES, ETC.

Frazil ice flow in the zone of ice edge during the formation of an ice dam. V. P. Berdnikov. Trudy GGI no. 9:24-39 '62.

A minute before the explosion. B. Semenov. Smena 40 no. 4:15 F '63.

ANGARA VALLEY—EROSION

Erosional cauldrons in the Angara Valley. V. A. Rastvorova, E. I. Snikhova, N. M. Bolotina. Vest. Mosk. un. Ser. 6: Geog. 18 no. 2:65-67 Mr-Apr '63.

ANGARA VALLEY—HYDROELECTRIC POWER STATIONS

Transportation problems of the Great Angara. P. G. Bogomaz. Transp. stroi. 13 no. 2:16-19 F '63.

ANGARA VALLEY—RAILROADS

Transportation problems of the Great Angara. P. G. Bogomaz. Transp. stroi. 13 no. 2:16-19 F '63.

ANIMAL LORE

Stories on "sacred" plants and animals. Vs. Krivosheina. Nauka i rel. 4 no. 3:15 Mr '63.

ANIMAL POPULATIONS

Effect of injurious factors on Paramecium caudatum in relation to the density of its population. V. M. Gorskii. TShtlogiya 4 no. 3:353-358 My-Je '62.

ANIMALS, DISEASES OF see Veterinary medicine

ANIMALS, MIGRATION OF

Migration of Yakutian hare. M. V. Popov. Nauch. soob. IAFAN SSSR no. 2:73-78 '60.

ANIMALS, TRAINING OF

Fifty kopek fare to the moon. Sov. Soluz no. 1:24-25 '63.

ANISOTROPY

Method of functional-invariant solutions for problems of the dynamic theory of elasticity of anisotropic media. I. O. Osipov. Izv. AN SSSR, Ser. geofiz. no. 3:391-398 Mr '63.

Plane problem of thermoelasticity for a body possessing thermal and elastic cylindrical anisotropy. A. I. Uzdnev. Izv. vys. ucheb. zav. i stroi. i arkh. 6 no. 1:30-35 '63.

ANNEALING OF METALS

Heat treatment of titanium alloys in the five-component system Ti - Al - Cr - Fe - Si. I. I. Kornilov, V. S. Mikhnev, T. S. Chernova. Metalloved. i term. obr. met. no. 2:52-54 F '63.

Kinetics of gas removal from steel products. R. A. Riebov, P. V. Gel'd. Izv. vys. ucheb. zav.; chern. met. 6 no. 2:111-114 '63.

Redesign of electric holding furnaces for the annealing of malleable cast iron. I. I. Khoroshev and others. Lit. proizv. no. 5:12-14 My '62.

ANNIVERSARIES

Anniversary calendar. Klub 12 no. 9:38-39 S '62.

Anniversary calendar. Klub 12 no. 11:38-39 N '62.

Anniversary calendar. Klub 12 no. 12:37 D '62.

Commemorative dates in March, 1963. V. V. Tikhomirov, N. A. Voskresenskaya. Sov. geol. 6 no. 3:150-160 Mr '63.

Dates, events, and people. Komm. Bel. 36 no. 5:175-77 My '62.

Glancing at the calendar. Klub 12 no. 3:38-39 Mr '63.

Glancing at the calendar. Kul't. - pros. rab. 24 no. 1: 60-61 Ja '63.

Glancing at the calendar. Kul't. - pros. rab. 24 no. 3: 60-61 Mr '63.

Glancing through the calendar. Klub 11 no. 3:38-39 Mr '62.

ANOXEMIA

Hemopoietic activity of human blood serum following the cessation of the action of a chronic hypoxic factor. V. I. Volkovich. Dokl. AN SSSR 148 no. 5:1221-1223 F '63.

ANTARCTIC REGIONS

Days of the icy continent. Vokrug sveta no. 3:15-16 Mr '63.

ANTARCTIC REGIONS—GRAVITY ANOMALIES

Approximate calculation of the isostatic correction and the isostatic state in the Antarctic. M. E. Artem'ev. Izv. AN SSSR, Ser. geofiz. no. 2:345-346 F '63.

Concerning M. E. Artem'ev's article "Approximate calculation of the isostatic correction and the isostatic state in the Antarctic. B. A. Andreev. Izv. AN SSSR, Ser. geofiz. no. 2:347-348 F '63.

ANTARCTIC REGIONS—ISOSTASY

Approximate calculation of the isostatic correction and the isostatic state in the Antarctic. M. E. Artem'ev. Izv. AN SSSR, Ser. geofiz. no. 2:345-346 F '63.

Concerning M. E. Artem'ev's article "Approximate calculation of the isostatic correction and the isostatic state in the Antarctic. B. A. Andreev. Izv. AN SSSR, Ser. geofiz. no. 2:347-348 F '63.

ANTARCTIC REGIONS—SEA ICE

Sovetskaya antarkticheskaya ekspeditsiya, 1955- [Transactions of the Soviet Antarctic Expedition] [Trudy] Leningrad, Izd-vo "Morskoi transport," Vol. 11. Gordienko, P. A., V. I. Fedotov, and V. I. Shil'nikov. [Ice cover of the coastal waters of eastern Antarctica] Ledianoi pokrov pribrezhnykh vod Vostochnoi Antarktidy. Pod red. V. Kh. Dvinskogo. 1960. 116 p.

ANTARCTIC REGIONS—WHALERS

From the pages of the press. Sov. Soluz no. 4:19 '63.

ANTENNAS (ELECTRONICS)

Account of the effect of active losses in long antenna arrays on the amplification factor. E. A. Vorob'ev. Izv. vys. ucheb. zav. radiotekh. 6 no. 1:88-91 Ja-F '63.

Choice of parameters and application of polarization grids. I. U. S. Bondartsev. Radiotekh. i elektron. 8 no. 3:502-504 Mr '63.

Concerning O. G. Vendik's article "Synthesis of the radiation line of radiators with nonmechanical scanning of the beam." A. P. Sakharov. Izv. vys. ucheb. zav. radiotekh. 6 no. 1:103-105 Ja-F '63.

Concerning the statistics of the field of a linear antenna. I. A. S. Shifrin. Radiotekh. i elektron. 8 no. 3:400-407 Mr '63.

New method for determining the electromagnetic field of a dipole grounded on the surface of a multilayered isotropic medium. L. L. Yan'ian. Geof. i geofiz. no. 12:107-109 '62.

ANTHRADIOL

Determination of the dissociation constants of anthrahydroquinones in nonaqueous media. M. G. Romanova, V. G. Abozn. Zhur. prikl. khim. 36 no. 2:435-440 F '63.

ANTHRAX

Diagnosis of anthrax in man by the use of "anthraxine" - the anthrax allergen. E. N. Shliakhov. Trudy Kish. gos. med. inst. 13:153-156 '60.

ANTHROPOLOGICAL RESEARCH see subdivision under Moscow; Sukhumi

- ANTHROPOLOGY**
(see also subdivision under Orenburg Province)
Critical evaluation of some concepts of culture in present-day bourgeois anthropology [with summary in English]. M. I. Bartinkas. Vest. LGU 18 no. 5:55-64 '63.
Discriminative functions in anthropology. V. P. Chetsov. Vop. antr. no. 11:128-132 '62.
"Introduction to anthropology" (in German) by Hans Grimm. Reviewed by V. V. Bunak. Vop. antr. no. 11:156-157 '62.
- ANTHROPOLOGY—CONGRESSES**
A meeting of the Permanent Committee of the International Anthropological and Ethnological (Ethnographical) Congresses. I. R. Grigulevich, D. A. Ol'derosse, T. A. Trofimova. Sov. etn. no. 1:131-133 Ja-F '63.
- ANTHROPOLOGY—METHODOLOGY**
Brief characteristics of the dating methods for anthropological and archaeological finds. I. U. G. Reshetov. Vop. antr. no. 11:58-80 '62.
- ANTHROPOLOGY—STUDY AND TEACHING**
The teaching of ethnography and anthropology in higher and secondary schools. Sov. etn. no. 1:3-10 Ja-F '63.
- ANTHROPOLOGY, PHYSICAL** see Somatology
- ANTIBIOTICS**
Antibiotic treatment of inflammatory diseases of the dental pulp in children. L. I. Filipenko. Probl. stom. 6:168-172 '62.
"Antibiotics of the tetracycline group" by A. M. Chernukh, G. I. Kivman. Mikrobiologiya 31 no. 6:1134-1135 N-D '62.
Effect of antibiotics on the lysis of *Chlorella pyrenoidosa* Pringh cultures [with summary in English]. N. B. Zavarzina. Mikrobiologiya 31 no. 6:1062-1066 N-D '62.
Some cleavage products of "albonursin." A. S. Khokhlov, G. B. Lokshin. Dokl. AN SSSR 148 no. 8:1320-1322 F '63.
Treatment of coli-enteritis patients. V. D. Zhitari. Trudy Kish. gos. med. inst. 13:99-104 '60.
- ANTI-COMMUNIST MOVEMENTS**
(see also subdivision under Asia)
International Committee for Information and Social Action. Ernst Genri. Mir. ekon. i mezhdunar. otn. no. 3:25-28 '63.
- ANTIGENS AND ANTIBODIES**
Antigenic characteristics of the phase variants of Rickettsia burnetii isolated in Leningrad. N. I. Amosenkova, L. D. Vasil'eva. Trudy Len. inst. epid. i mikrobiol. 23:204-215 '61.
Characteristics of tumors originating in the connective tissue and muscles and produced by intramuscular administration of 20-methylcholanthrene. Part 2: Antigenic properties of tumors of myogenic origin in rats. V. I. Fel'. TSitologiya 4 no. 3:276-280 My-Je '62.
Cutaneous allergic test with an antigen from Rickettsia prowazekii in typhus fever patients. D. A. Gvozdliva. Trudy Len. inst. epid. i mikrobiol. 23:15-24 '61.
Differentiation of various species of Rickettsia in lice by means of fluorescent antibodies. F. I. Krasnik, R. B. Gol'din. Trudy Len. inst. epid. i mikrobiol. 23:80-84 '61.
Experience in detecting typhus antibodies in serums of people by the method of fluorescence microscopy; studies by the use of fluorescent antibodies. R. B. Gol'din, F. I. Krasnik. Trudy Len. inst. epid. i mikrobiol. 23:68-79 '61.
Experimental Q-rickettsiosis in white mice; studies made with fluorescent antibodies. R. B. Gol'din, N. I. Amosenkova. Trudy Len. inst. epid. i mikrobiol. 23:216-223 '61.
Immunological reactivity in fishes. G. D. Goncharov. Biol. inst. biol. vodokhran. no. 12:53-56 '62.
- ANTIMETABOLITES**
Potential antimetabolites. Part 5: Peptides of β -(4-hydroxy-6-methyl-2-pyrimidinyl) alanine. I. U. P. Shvachkin, L. A. Syrtsova. Zhur. ob. khim. 33 no. 3:778-783 Mr '63.
- ANTIMONY**
Effect of antimony on the structure and properties of gray cast iron. I. A. Vashukov and others. Lit. proizv. no. 1:19-22 Ja '63.
- ANTIMONY-BISMUTH ALLOYS** see Bismuth-antimony alloys
- ANTIMONY-TELLURIUM ALLOYS—ELECTRIC PROPERTIES**
Electric conductance in the system Sb - Te in the solid and liquid states. G. F. Gubskaya, I. V. Evfimovskii. Zhur. neorg. khim. 7 no. 7:1615-1621 Ji '62.
- ANTIOCH—HISTORY**
Kurbatov, G. L. [Cities in the early period of the Byzantine Empire; the city of Antioch in the fourth century] Rannevizantiskii gorod; Antiochia v IV veke. [Leningrad] Izd-vo Leningr. univ., 1962, 284 p.
- ANTIQUITIES** see Archaeology; also subdivision 'Antiquities' under Africa, East; Aswan Dam region; Desna Valley; Dnieper Valley; Kherson; Khiva; Kiev region; Mayas; Novochoerkassk region; Pskov; Sandomierz, Poland; Sverdlovsk; Turkmenistan
- ANTIQUITIES, ROMAN** see subdivision under Great Britain
- ANURA**
Role of the excretory system in the development of Muller's canals in Anura. D. A. Potemkina. Dokl. AN SSSR 148 no. 6:1428-1430 F '63.
- APARAN REGION—PEASANT UPRISINGS**
History of the peasant unrest in the Aparan region [in Armenian with summary in Russian]. A. S. Ambarian. Ist.-filol. zhur. no. 1:45-52 '63.
- APARTMENT HOUSES**
(see also subdivision under Khabarovsk; Kiev; Kiev Province; Leningrad; Moscow; Ryazan; Zhdanov)
Apartments of tomorrow. I. U. Tsekhnovitsker. IUn. tekhn. 7 no. 3:30-32 Mr '63.
Development of large-panel housing construction. A. Zhukov. Stroitel' arkhitekt. 11 no. 2:1-3 F '63.
For technical progress in housing construction. Zhil. stroit. no. 2:1-3 '63.
Improving quality in large-element apartment houses. P. Drozdov. Stroitel' arkhitekt. Mosk. 11 no. 8:15-17 Ag '62.
Kostikov, L. M. [A house comes off the production line] Dom s konvelera. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 91 p.
Tuzov, M. S. [Organizational and technical structure of preparatory operations] Organizatsionno-tekhnicheskaya struktura rabot nulevogo tsikla; stenogramma lektsii, prochnannoi na tsikle lektsii dlia rukovodivshchego sostava inzhenerno-tekhnicheskikh rabotnikov stroitel'nykh organizatsii Leningrada. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961. 21 p.
- APARTMENT HOUSES—COST OF CONSTRUCTION**
Problem of the optimal number of stories. B. Leonidov. Stroitel' arkhitekt. Mosk. 11 no. 8:3-5 Ag '62.
- APARTMENT HOUSES—DESIGN AND CONSTRUCTION**
(see also subdivision under Leningrad; Moscow)
The expediency of building multistory sectional residential buildings. I. A. Kamaev. Stroitel' arkhitekt. Mosk. 12 no. 3:33-35 Mr '63.
The frame system should not be abolished. L. Gokhman. Zhil. stroit. no. 2:10-11 '63.
Planning of multistory houses in regions with a hot climate. V. Kossakovskii, O. Razekhtina. Zhil. stroit. no. 2:28-29 '63.
Poradnia, A. I., and N. V. Puchkovskii. [Present state and prospects for the development of dispatching at house construction combines] Sostianie i perspektiva razvitiia dispetcherizatsii domostroitel'nykh kombinatov. Leningrad, 1962. 25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 20)
Structural layouts of nine- to fourteen-story residential buildings. L. Pan'shin. Zhil. stroit. no. 2:8-10 '63.
- APARTMENT HOUSES—HEATING AND VENTILATION**
Single-pipe system of heating in apartment houses. S. Kozhukov. Stroitel' arkhitekt. Mosk. 11 no. 8:22-24 Ag '62.
- APARTMENT HOUSES—MAINTENANCE AND REPAIR**
Introduce plastic products into housing management. Sh. Golant. Zhil.-kom. khoz. 13 no. 2:12-13 '63.
Poliakov, E. V., and A. B. Bellaev. [Precast reinforced-concrete roofs for the major repair of apartment houses] Perekrytiia iz sbornogo zhelezobetona dlia kapital'nogo remonta zhilykh domov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 101 p.
Should we repair the house? V. Babakin. Zhil.-kom. khoz. 13 no. 2:28-29 '63.
- APATITE**
Rate of decomposition of apatite by nitric acid solutions of the system $\text{CaO} - \text{P}_2\text{O}_5 - \text{N}_2\text{O}_5 - \text{H}_2\text{O}$. M. E. Pozin and others. Zhur. prikl. khim. 36 no. 2:242-251 F '63.
- APPELLATE COURTS**
The 40th anniversary of the Supreme Courts of the R. S. F. S. R. Sov. iust. no. 6:1 Mr '63.
- APPENDICITIS**
Renal colic and appendicitis. A. G. Romanenko. Sov. zdrav. Kir. no. 1:19-23 Ja-F '63.
- APPLE**
Water exchange in apple trees in winter as related to the characteristics of their temperature conditions. I. N. Kotovitch. Sbor. trud. po agron. fliz. no. 10:33-41 '62.
- APPLE—DISEASES AND PESTS**
Characteristics of the growth of roots in healthy and chlorotic apple trees [with summaries in English, German, and French]. N. S. Bogdanova. Vest. sel'khoz. nauk 7 no. 12:87-91 D '62.
- APPLIED PSYCHOLOGY** see Psychology, Applied
- APPROXIMATE COMPUTATION**
Approximation with supplementary conditions in linear normed spaces. Part 1 [with summary in German]. V. N. Burov. Ukr. mat. zhur. 15 no. 1:3-12 '63.
Lebesgue function of a certain linear approximation process. N. M. Pavlovskii. Dokl. AN SSSR 148 no. 6:1261-1264 F '63.
Method of approximate solution of systems of nonlinear integral equations with fixed limits [with summary in French]. I. U. D. Sokolov. Ukr. mat. zhur. 15 no. 1:56-70 '63.
- AQUATIC SPORTS**
Festival on the water. Klub 12 no. 3:32 Mr '63.
- AQUEOUS HUMOR**
Glass needle for sucking off the fluid of the anterior chamber. G. R. Dambit. ON. zhur. 17 no. 7:440-441 '62.
- ARAB COUNTRIES**
The problem of Arab unity. G. Mirskii. Nov. vrem. 20 no. 16:11-13 Ap '63.
- ARAB COUNTRIES—FOREIGN ECONOMIC RELATIONS—GERMANY, WEST**
"West German expansion in Arab countries and Africa" by I. A. Etinger. Reviewed by S. Ryvkin. Mir. ekon. i mezhdunar. otn. no. 3:143-145 '63.
- ARABIA—SLAVERY**
The slaves speak. I. A. Nov. vrem. 20 no. 16:31 Ap '63.
- ARABIC ASTRONOMY** see Astronomy, Arabic
- ARAL SEA—COAST CHANGES**
Coastal evolution of the Aral Sea in the near past, at present, and in the near future. V. I. Iymarev. Trudy Lab. ozeroved. 15:215-246 '63.
- ARBITRATION, INDUSTRIAL**
Lapal, A. P., and A. Kluov. [How to solve labor disputes] Kak reshat'sia trudovye spory; konsultatsii. Izd. 2. dop. [Moskva] Profizdat, 1960. 110 p. (MH-L)
- ARBITRATION AND AWARD**
Decisions of arbitration agencies. Sov. iust. no. 6:30-31 Mr '63.
Decisions of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. Sots. zakon. 39 no. 10:68 O '62.
From the practice of arbitration agencies. Sov. iust. no. 4:32 F '63.
Some disputes do harm to the Soviet state. N. Abramov. Sov. iust. no. 7:14-15 Ap '63.
- ARBORETUMS** see subdivision under Adler region
- ARBUZOV REARRANGEMENT** see Rearrangements (Chemistry)
- ARCHADA-DON SAND REGION—FOREST INFLUENCES**
Influence of natural and cultivated vegetation upon the snow cover. B. V. Poltarau. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:31-38 Mr-Apr '63.
- ARCHADA-DON SAND REGION—SNOW**
Influence of natural and cultivated vegetation upon the snow cover. B. V. Poltarau. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:31-38 Mr-Apr '63.
- ARCHAEOLOGICAL RESEARCH**
Congress on prehistorical and early historical research. B. A. Rybakov. Vest. AN SSSR 33 no. 3:124 Mr '63.
- ARCHAEOLOGY**
(see also subdivision under America; also subdivision 'Antiquities' under Africa, East; Aswan Dam region; Desna Valley; Dnieper Valley; Kherson; Khiva; Kiev region; Mayas; Novochoerkassk region; Pskov; Sandomierz, Poland; Sverdlovsk; Turkmenistan)
Archaeological and Ethnographical Session of the Department of Historical Sciences of the Academy of Sciences of the U. S. S. R. T. I. Alekseeva. Vop. antr. no. 11:145-147 '62.
- ARCHAEOLOGY—BIBLIOGRAPHY** see Bibliography—Archaeology
- ARCHAEOLOGY—METHODOLOGY**
Brief characteristics of the dating methods for anthropological and archaeological finds. I. U. G. Reshetov. Vop. antr. no. 11:58-80 '62.
- ARCHANGEL—EDUCATION OF CHILDREN**
A strict, but good friend. M. Loginova. Rabotnitsa 40 no. 8:12-13 Je '62.
- ARCHANGEL—TRANSPORTATION**
On the agenda: municipal transportation. A. Kuznetsov. Zhil.-kom. khoz. 13 no. 3:22 Mr '63.

ARCHANGEL PROVINCE—CRIMINAL JUSTICE, ADMINISTRATION OF
In the Office of the Public Prosecutor of the U.S.S.R. Sois, zakon. 39 no.10:46 O '62.

ARCHANGEL PROVINCE—FIRE-TESTING
Good start. I. Nosov. Pozh. delo 9 no.2:11-12 F '63.

ARCHANGEL PROVINCE—PUBLISHERS AND PUBLISHING
More exactingness. . . . A. Koloskov. Part. zhizn' no. 0: 76-78 Mr '63.

ARCHITECTURAL MUSEUMS see subdivision under Moscow

ARCHITECTURE see subdivision under Kharkov; Kiev; Zaporozh'ye

ARCHITECTURE—ABSTRACTS
[Journal of abstracts: Construction and architecture] Ref. zhur. i stroi. i arkh. 5 no.2 '63.

ARCHITECTURE—COMPETITIONS
At the awarding of the prizes. A. M. Chernova, V. M. Iabutskaya. Stroi. i arkh. 24 no.1:40 Ja '62.

ARCHITECTURE—DESIGNS AND PLANS
(see also subdivision under Azerbaijan; Kazakhstan; Kiev)
Planning and design. V. Moshkovich. Stroi. i arkh. 11 no.2:31-32 F '63.
Technical progress in design details for buildings. M. Kamenskovich. Stroi. i arkh. Mosk. 11 no.8:9 Ag '62.

ARCHITECTURE—STUDY AND TEACHING
Innovations in the training of architects. V. I. Kochetkov. Stroi. i arkh. 24 no.9:28-32 S '62.

ARCHITECTURE—TEXTBOOKS
"Architecture of residential, public and industrial buildings." Reviewed by K. N. Dubenetskiy, A. V. Rot. Vest. vys. shkoly 21 no.4:92-93 Ap '63.

ARCHITECTURE, DOMESTIC see subdivision under Pskov

ARCHITECTURE, MODERN see subdivision under Ukraine

ARCHITECTURE AND CLIMATE
Dunayev, B. A. [Insulation of residential buildings] Insulatsiya zhilykh zdaniy. Moskva, Gosstroizdat, 1962. 77 p.
Umanskiy, N. G. [Sun devices in buildings] Solntse-zashchitnyye ustroystva v zdaniyakh. Moskva, Gosstroizdat, 1962. 99 p.

ARCHIVES
(see also subdivision under Moscow)
Akademiya nauk SSSR. Arkhiv. [Survey of archival materials] Obozreniye arkhivnykh materialov. Moskva, Vol. 5, 1963. 186 p. (its Trudy, no. 10)

ARCTIC REGIONS
A Ukrainian flyer's work in the Arctic regions. I. I. Hurynov. As told to Mykhailo Likhovets'kyi. Ukraina no.2:20-21 Ja '63.
You remember, comrade! B. Gromov. Sov. pech. no.2:43-44 F '63.

ARCTIC REGIONS—NAMES, GEOGRAPHICAL
"Sputnik" in the Arctic regions. E. Kliuev. Vokrug sveta no.2:31 F '63.

ARCTIC REGIONS—SURVIVAL (AFTER AIRPLANE ACCIDENTS, SHIPWRECKS, ETC.)
"Tragedy in the Arctic Ocean" by F. Behounek. Reviewed by A. Semenov. Znanie-sila 38 no.1:15 Ja '63.

ARGENTINA—POLITICS AND GOVERNMENT
Trade-union activities in 1962. Rubens Iskaro. Vsem. prof. dvizh. no.1:10-14 Ja '63.

ARGENTINA—TRADE UNIONS
Trade-union activities in 1962. Rubens Iskaro. Vsem. prof. dvizh. no.1:10-14 Ja '63.

ARISTOV, NIKOLAI IAKOVLEVICH, 1834-1882
N. I. Aristov. A. N. T'Samutail. Trudy LOH AN SSSR no.5:87-107 '63.

ARITHMETIC—PROBLEMS, EXERCISES, ETC.
Analyzing the processes of solving simple arithmetic problems. Report no. 5; Solution by means of object modeling and counting. Theoretical analysis of problem variations. G. P. Shehedrovitskiy, S. G. Iakobson. Dokl. APN 6 no.8:43-46 '62.
Oral exercises for the study and review of fractions. I. A. I. Grudonov. Dokl. APN 6 no.8:39-42 '62.
Use of algebraic methods for the solution of arithmetic problems. O. V. Skrypchenko. Rad. shk. 41 no.1:49-55 Ja '63.

ARITHMETIC—STUDY AND TEACHING
Arithmetic lessons and surrounding reality. H. F. Konevalenko. Rad. shk. 41 no.2:58-61 F '63.

Norms for evaluating student progress in arithmetic in grades 1-4; for discussion. Rad. shk. 41 no.2:67-71 F '63.
Oral counting in arithmetic lessons. I. E. P. Merokishko. Rad. shk. 41 no.2:54-58 F '63.

ARMAVIR—FOUNDATIONS
Use of pile foundations for large-panel buildings on a small layer of settling soils in Krasnodarsk Territory. V. A. Gavrikov. Osn., fund. i mekh. grun. 5 no.2:27-28 '63.

ARMAVIR—INDUSTRIES
P. I. Ianchenko, I. V. [After the reorganization] Posle perestroiki. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959. 44 p.

ARMAVIR—LIGHTING
Automatically controlled street lighting. V. Belov. IUn. tekhn. 7 no.3:39-41 Mr '63.

ARMAVIR—PRECAST CONCRETE CONSTRUCTION
Use of pile foundations for large-panel buildings on a small layer of settling soils in Krasnodarsk Territory. V. A. Gavrikov. Osn., fund. i mekh. grun. 5 no.2:27-28 '63.

ARMAVIR—RADIO CLUBS
Automation is a task that suits us well. V. Vasil'eva. IUn. tekhn. 7 no.3:3-9 Mr '63.

ARMED FORCES see subdivision under Russia

ARMENIA—BEECH
Iaroshenko, G. D. [Beach forests of Armenia; forest types, regeneration, cutting practices] Bukovye lesa Armenii; tipy lesa, vozobnovlenie, sistemy rubok. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 177 p.
(ONAL)

ARMENIA—CHURCH ARCHITECTURE
Some architectural monuments of the Akhpat Monastery [in Armenian with summary in Russian]. K. G. Kafadarian. Ist.-filol. zhur. no.1:115-135 '63.

ARMENIA—CHURCH HISTORY
Hakob Ghayetsi in the city of Lucca [in Armenian with summary in Russian]. Gino Arrighi. Ist.-filol. zhur. no.1:107-114 '63.

ARMENIA—HISTORY
Pactus' military expedition of 61-62 A. D. to Armenia and the defeat of the Roman Army by Vologases; history of the Armenians' struggle against Roman aggression. F. I. A. Kos'ko. Uch. zap. MGPI no.153:80-92 '60.

ARMENIA—LAW—SOURCES
Manuscripts and versions of Mkhitar Gosh's code [in Armenian with summary in Russian]. Kh. A. Torosian. Ist.-filol. zhur. no.1:137-150 '63.

ARMENIA—MEDICINE
Oganesian, L. A. [Illustrations for a history of medicine in Armenia from antiquity to the present day] Illiustratsii k istorii meditsiny v Armenii s drevneishikh vremen do nashikh dnei. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1958. 85 p.
(CU-M)

ARMENIA—PEASANTRY
Babalan, L. O. [Enslavement of the peasants in Armenia during the pre-Mongolia period] K voprosu o zakrepostchenii krest'yan v Armenii domongol'skogo perioda. Erevan Armianskoe gos. izd-vo, 1961. 71 p.
(MII)

ARMENIA—PRINTING
The 450th anniversary of Armenian printing [in Armenian with summary in Russian]. A. S. Babalan. Ist.-filol. zhur. no.1:31-44 '63.

ARMENIA—RELATIONS (GENERAL) WITH THE UKRAINE
Second Conference of Ukrainian and Armenian Historians. V. R. Grigor'ian, I. A. R. Dashkevych. Ukr. ist. zhur. 6 no.1:158-159 Ja-F '63.

ARMENIA—SERFDOM
Establishment of serfdom in ancient and medieval Armenia [in Armenian with summary in Russian]. S. E. Akopian. Ist.-filol. zhur. no.1:173-194 '63.

ARMENIA—THEATER
Early history of stage production in Soviet Armenia [in Armenian with summary in Russian]. O. G. Melik-Vrtanesian. Ist.-filol. zhur. no.1:15-30 '63.

ARMENIAN ART see Art, Armenian

ARMENIANS see subdivision under Lvov; Turkey; Ukraine

ARMIES see also subdivision 'Army' under Russia

ARMS AND ARMOR
Relics of our glorious past. V. Sydorenko. Ukraina no.2:28 Ja '63.

ARMYWORMS—EXTERMINATION
Effect of gamma rays of Co⁶⁰ on the armyworm Laphygma exigua Hb. V. R. Sidorova. Vop. biol. i kraev. med. no.3:154-158 '62.

ARSEN'EV, VLADIMIR KLAVDIEVICH, 1872-1930—BIBLIOGRAPHY see Bibliography—Arsen'ev, Vladimir Klavdievich, 1872-1930

ARSENIC
Arsenic behavior during the oxidation rolling of Kerch deposit iron ores. N. A. Vasilutskii, L. I. Vasilutskaya. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo. no.1:26-32 Ja-F '63.

ARSENIC ORGANIC COMPOUNDS
Refraction of certain bonds in organoarsenic compounds. G. I. Kamai, B. D. Chernokai'skii. Dokl. AN SSSR 149 no.4:850-852 Ap '63.

ART
(see also subdivision under Nigeria)

Art enriches. . . V. Mikniuk. Kul't.-pros. rab. 24 no.1:20 Ja '63.
"Art of the countries and peoples of the world." Reviewed by V. Shileev. V mire knig 3 no.3:38 Mr '63.
Art that unites the hearts. I. A. Romas. Ogonek 41 no.7:16 F '63.
Book on Soviet art of the 1930's. A. Sidorov. Iskustvo 26 no.1:68-72 '63.
Brief news. Iskustvo 26 no.1:77-80 '63.
English artists of the 18th century on art. E. Nekrasova. Iskustvo 26 no.1:58-63 '63.
For active promotion of Soviet art. Sov. knizh. org. 14 no.2:1-2 F '63.
Gaposhkin, V. I. [Traditions and innovation in Soviet art] Traditsii i novatorstvo v sovetskom iskusstve. Moskva, Sovetskii khudozhnik, 1962. 42 p. (Besedy ob iskusstve)
Heroic emotion of life must be embodied in art! V. Lapshin. Iskustvo 26 no.1:27-36 '63.
Moscow. Gosudarstvennaya troi'ialkovaya galleriya. [Essays on Russian and Soviet art] Ocherki po russkomu i sovetskemu iskusstvu; sbornik statei. Leningrad, "Khudozhnik RSFSR," 1962. 272 p. 1 illus.
Standing together. G. Nisskii. Ogonek 41 no.6:9 F '63.

ART—CATALOGS
[Chronicle of fine arts] Let, izobr. isk. no.1 '63.

ART—COMPETITIONS
The main problem is the expression of national character. O. Pronina. Stroi. i arkh. Mosk. 12 no.3:14-18 Mr '63.

ART—EXHIBITIONS
(see also subdivision under Moscow)
Sixth Academy Exhibition. A. Deinike. Ogonek 40 no.48:8 N '62.

ART—PERIODICALS
Looking over foreign periodicals. . . Iskustvo 26 no.1:72-76 '63.

ART—STUDY AND TEACHING
Art history club in a school. I. Z. Onyshechenko. Rad. shk. 41 no.2:87-90 F '63.
Carry joy to the people. V. Pirogov. Kul't.-pros. rab. 24 no.1:23-25 Ja '63.
Children's art studio. A. Murzich. Klub 11 no.3:24-25 Mr '62.
Educate a worthy, creative generation of artists. A. Belov. Komsom. zhizn' no.3:14-16 F '63.
Enthusiasm springs up in creative work. B. Naidenov. Kul't.-pros. rab. 24 no.1:15 Ja '63.

ART, ABSTRACT
(see also subdivision under United States)
"Bad business." R. Krivkov. Iskustvo 26 no.1:47-50 '63.

ART, AMERICAN
"Essays in pre-Columbian art and archaeology" [in English] by Samuel K. Lothrop and others. Reviewed by R. Kindzhalov. Sov. etn. no.1:163-166 Ja-F '63.

ART, ARMENIAN
[Artists of Soviet Armenia] Khudozhniki Sovetskoi Armenii. [Moskva, Sovetskii khudozhnik, 1962.] 4 p. 30 plates.

ART, MODERN
Lebedev, A. K. [Art in letters; critique of current trends in the modern bourgeois fine arts] Iskustvo v okovakh; kritika novishikh techenii v sovremennom burzhuaznom izobrazitel'nom iskusstve. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 99 p.
Shirvanzade as a critic of West European "modern art" [in Armenian with summary in Russian]. S. E. Topchian. Ist.-filol. zhur. no.1:3-14 '63.

ART AND INDUSTRY see subdivision under Czechoslovakia; Latvia; Tallinn

ART GALLERIES AND MUSEUMS see subdivision under Moscow

ART IN MOTION PICTURES
Conservation and restoration of motion-picture films on art and motion-picture films of photographic documentation. I. M. Fridman. Soob. VTSNILEK no.1:75-78 '60.

- ART INDUSTRIES, DAHOMEY—EXHIBITIONS** see sub-division under Moscow
- ART OBJECTS—CONSERVATION AND RESTORATION**
Antiseptizing restored materials and application of certain antiseptics to disinfect works of art. L. I. Voronina. *Soob. VTSNILKR* no. 1:25-35 '60.
Application of synthetic resins in restoring monumental paintings and other items for museum display. E. G. Sheinina. *Soob. VTSNILKR* no. 1:62-74 '60.
Work of the Scientific Council of the All-Union Central Scientific Research Laboratory on the Conservation and Restoration of Museum Art Treasures. *Soob. VTSNILKR* no. 4:90-92 '61.
- ART OBJECTS—CONSERVATION AND RESTORATION—BIBLIOGRAPHY** see Bibliography—Art objects—Conservation and restoration
- ART PHOTOGRAPHY** see Photography of art
- ARTEM, pseud.** see Sergeev, Fedor Andreevich, 1883-1921
- ARTEM ISLAND—OIL WELL DRILLING, SUBMARINE**
An encounter near a well. I. A. D. Gafarov. *Neftianik* 8 no. 1:14 Ja '63.
Let us fully utilize our reserves. E. S. Grigorian. *Neftianik* 8 no. 1:7 Ja '63.
- ARTEMOVSK (UKRAINE)—SALT INDUSTRY—PRODUCTION STANDARDS**
Improve the practice of reviewing norms in the salt industry. V. Kovalev. *Sots.trud* 8 no. 3:100-102 Mr '63.
- ARTEMOVSK (UKRAINE)—SALT MINES AND MINING**
Salt of the earth. V. Rusov. *Nauka i zhizn'* 12 no. 1:50-51 Ja '63.
- ARTERIOSCLEROSIS**
Possibility of discovering lipid deposits at the early stages of arteriosclerosis. T. A. Sintysna. *Dokl. AN SSSR* 148 no. 6:1394-1398 F '63.
- ARTHRITIS**
Ten thousand letters from friends. O. Knorr. *Ogonek* 40 no. 20:30 My '62.
- ARTHRITIS, RHEUMATOID**
Bentonite test in the diagnosis of infectious nonspecific polyarthritis [with summary in English]. T. M. Trofimova. *Vop. revm.* 1 no. 4:28-34 O-D '61.
Radiological study of capillary permeability in rheumatic fever and infectious arthritis [with summary in English]. I. A. Sligidin. *Vop. revm.* 1 no. 4:42-45 O-D '61.
- ARTHROPODA, FOSSIL**
[Fundamentals of paleontology; reference book in 15 volumes for paleontologists and geologists of the U.S.S.R.] *Osnovy paleontologii i spravochnik dlia paleontologov i geologov SSSR v platanadtsati tomakh.* Glav. red. I. U. A. Orlov. Moskva, Izd-vo Akad. nauk SSSR.
[Vol. 9] [Arthropoda: Tracheata, Chelicerata] Chlenistonogie: trakhelnye i khelitsery. Otv. red. I. U. A. Orlov. Moskva, 1962, 559 p.
- ARTIFICIAL DIAMONDS** see Diamonds, Artificial
- ARTIFICIAL FIBERS** see Textile fibers, Synthetic
- ARTIFICIAL FUR—TESTING**
Studying the properties of artificial fur manufactured on a knit-fabric base. T. A. Shmeleva. *Nauch. issl. trudy NIMP* no. 11:90-98 '62.
- ARTIFICIAL INSEMINATION**
Effectiveness of disinfection during artificial insemination. G. V. Parshutin. *Trudy VNIK* no. 17:138-144 '49.
Optimal time for inseminating mares. P. N. Skatkin. *Trudy VNIK* no. 17:80-112 '49.
- ARTIFICIAL LANGUAGES** see Languages, Artificial
- ARTIFICIAL LEATHER** see Leather, Artificial
- ARTIFICIAL SATELLITES**
Approximate solution to the problem of the motion of an artificial earth satellite [with summary in English]. V. G. Demin. *Soob. GAISH* no. 125:3-11 '62.
- ARTIFICIAL SATELLITES—ORBITS**
Generalized problem of two fixed centers and its application to the theory of motion of artificial earth satellites [with summary in English]. E. P. Aksenov, E. A. Grebenikov, V. G. Demin. *Astron. zhur.* 40 no. 2:363-372 Mr-Apr '63.
- ARTIFICIAL SATELLITES—SUN**
Fate of the "Mecha." N. P. Erpylev. *Ogonek* 41 no. 2:24 Ja '63.
- ARTIFICIAL SATELLITES—TRACKING**
Photographic observations of artificial satellites; a conference in Pulkovo. A. G. Masevich. *Vest. AN SSSR* 33 no. 3:131-133 Mr '63.
[Results of observations of Soviet artificial earth satellites] *Rez. naib. sov. isk. apul. Zem.* nos. 65-66 '62.
- ARTISTIC PHOTOGRAPHY** see Photography, Artistic
- ARTISTS** see sub-division under Kuban; Orel
- ARTISTS, BRITISH**
English artists of the 18th century on art. E. Nekrasova. *Izusstvo* 20 no. 1:58-63 '63.
- ARYLATION**
Direct N-arylation of five-membered nitrogen heterocycles. A. F. Pozharskii, B. K. Martakha, A. M. Simonov. *Zhur. ob. khim.* 33 no. 3:1005-1007 Mr '63.
- ASBESTOS**
Use of asbestos in dental technology. N. S. Mukhin. *Probl. stom.* 6:400-401 '62.
- ASCORBIC ACID**
Disorders of vitamin C metabolism in parodontosis. Z. L. Bolotina and others. *Probl. stom.* 6:79-85 '62.
- ASH DISPOSAL**
Mechanized cleaning of ash sluices. B. A. Smulakovskii. *Energetik* 10 no. 6:14-15 Je '62.
Sludge separator in a hydraulic ash removal system. R. A. Boloshenko. *Elek. sta.* 34 no. 3:81-82 Mr '63.
- ASHKHADE—HEART—INFARCTION**
Change in the hemodynamics of patients with myocardial infarction under the climate conditions of Ashkhabad. S. A. Radukova. *Zdrav. Turk.* 7 no. 1:3-6 Ja '63.
Clinical aspect of myocardial infarction under the influence of the hot Ashkhabad climate. G. A. Kazimov, B. S. Sadykov. *Zdrav. Turk.* 2 no. 6:11-14 N-D '58.
- ASHKHADE—RAILROADS—EMPLOYEES—DISEASES AND HYGIENE**
Sanitary and hygienic study of the working conditions and morbidity rate of the workers at the Ashkhabad Diesel Locomotive Repair Factory. E. A. Radzivonchik. *Zdrav. Turk.* 5 no. 6:35-37 N-D '62.
- ASHKHADE—THYROID GLAND**
Some data on the weight of the thyroid gland in the residents of Ashkhabad. S. I. Kharlampovich. *Zdrav. Turk.* 6 no. 6:30-32 N-D '62.
- ASIA—ANTI-COMMUNIST MOVEMENTS**
A reactionary organization in Asia. N. Trofimenco. *Mezhdunar. zhizn'* 10 no. 4:156-157 Ap '63.
- ASIA—BIBLIOGRAPHY**
[New Soviet and foreign literature on the countries of the non-Soviet East] *Nov. sov. i inostr. lit. po stran, zhur.* Vost. no. 1 '63.
- ASIA—COMMUNISM**
A leader of Christian trade unions is a preacher of anticommunism. M. I. A. Domnich. *Vop. ist.* 38 no. 3:194-195 Mr '63.
- ASIA—LAW—CONGRESSES**
A conference of African and Asiatic lawyers. R. Tuzmukhamedov, V. Khomjakov. *Sov. iust.* no. 4:12-13 F '63.
- ASIA—POLITICS**
Akademika nauk SSSR. Institut narodov Azii. [How the peoples of Asia have struggled for peace, 1945-1961] Bor'ba narodov Azii za mir, 1945-1961. Moskva, Izd-vo vostochnoi lit-ry, 1962, 243 p.
Conference of Asian and African lawyers. K. P. Gorskhenin. *Sov. gos. i pravo* 33 no. 4:72-82 Ap '63.
- ASIA—SOILS—CLASSIFICATION**
First International Seminar on the Classification and Mapping of Soils of Asia. A. Z. Gensov, N. V. Kumberg, M. U. Umarov. *Pochvovedenie* no. 2:108-110 F '63.
- ASIA—SOILS—MAPS**
First International Seminar on the Classification and Mapping of Soils of Asia. A. Z. Gensov, N. V. Kumberg, M. U. Umarov. *Pochvovedenie* no. 2:108-110 F '63.
- ASIA—TRADE UNIONS**
A leader of Christian trade unions is a preacher of anticommunism. M. I. A. Domnich. *Vop. ist.* 38 no. 3:194-195 Mr '63.
- ASIA, CENTRAL—LAKES**
Stages in the Quaternary development of the lakes of Central Asia. N. T. Kuznetsov, E. M. Murzaev. *Trudy Lab. ozeroved.* 15:157-173 '63.
- ASIA, CENTRAL—SALT DEPOSITS**
Salt lakes in the arid zone of Central Asia. A. N. Dzens-Litovskii, V. V. Mikitsinskii. *Trudy Lab. ozeroved.* 15:174-214 '63.
- ASIA, SOUTHEASTERN—DESCRIPTION AND TRAVEL**
Fryd, Norbert. [Travelling with puppets toward the equator; a little bit about everything and also on Ceylon, Java, Cambodia, and India] *S kulkami k ekvatoru; ponemnogo obo vsem, a takzhe o Tselone, Iave, Kambozhe i Indii.* Moskva, Gos. Izd-vo geogr. lit-ry, 1962, 289 p. (Puteshestviia, priklucheniia, fantastika)
- ASIA, SOVIET CENTRAL** see Soviet Central Asia
- ASOTIKOV, ANATOLII TIKHONOVICH**
Popov, A. V. Anatolii Tikhonovich Asotikov. [Tikhonovskoe knizhnoe izd-vo, 1960, 17 p. (Magistatsionno-propagandatskoi raboty)]
- ASPHALT**
Use of cold asphalt mastic in the construction of a tower. V. P. Sirmals, D. A. Kutovoi. *Prom. str.* [L. e. 41] no. 3:41-42 Mr '63.
- ASPHALT CONCRETE**
Sokolov, V. G. [Improving the operating qualities asphalt-concrete pavements] *Povyshenie ekaplunikh kachestv asfal'tobetonnykh pokrytii.* Kiev, stroizdat, 1962, 84 p.
- ASSEMBLY—LINE METHODS**
Basic requirements for machinery and apparatus in mechanized production lines in the canning industry. M. I. A. Dikis. *Kons. i ov. prom.* 18 no. 3:3-5 Mr '63.
Drying and purification of the compressed air for automatic devices of production lines in the production of tomato paste. V. S. Okulev. *Kons. i ov. prom.* no. 3:27-28 Mr '63.
Moscow, Tsentral'nyi institut nauchno-tekhnicheskoi informatsii plachivoi promyshlennosti. [Over-a mechanization and continuous production-line method in the tobacco industry] *Kompleksnaya mekhanizatsiya potochnye metody proizvodstva v tabachnoi promyshlennosti.* Moskva, 1962, 33 p. (Tekhnicheskaya informatsiya)
- [MICROFILM]**
Organizing multiple machine operations on a conveyor with uniform motion. V. A. Esin. *Izv. vuz. ucheb. tekhn. leg. prom.* no. 1:28-34 '63.
- ASSUAN DAM** see Aswan Dam
- ASSURANCE (INSURANCE)** see Insurance
- ASTRAKHAN—CANNING INDUSTRY**
Discussing the resolutions of the All-Union Scientific and Technical Conference of the Representatives of the Canning Industry. T. P. Voronov. *Kons. i ov. prom.* 18 no. 4:44-45 Ap '63.
- ASTRAKHAN—ELECTRIC POWER PLANTS**
Going to meet tomorrow. D. Perchik, B. Spivak. *Zh. kom. khoz.* 13 no. 1:6-7 '63.
- ASTRAKHAN—EMBRYOLOGY**
Embryological investigations made at the Department of Anatomy of the Astrakhan Institute of Medicine. I. Popova-Latkina. *Vop. antr.* no. 1:147-149 '62.
- ASTRAKHAN—HEATING PLANTS**
Going to meet tomorrow. D. Perchik, B. Spivak. *Zh. kom. khoz.* 13 no. 1:6-7 '63.
- ASTRAKHAN PROVINCE—CAMELS**
Raising camels in the Akarayskaya Steppe. I. I. L. L. Trudy VNIK no. 17:41-54 '49.
- ASTRAKHAN PROVINCE—MELONS—TRANSPORTATION**
On tomatoes, watermelons and water transportation. V. Evstigneev. *Sov. potreb. koop.* 7 no. 4:28-30 A '63.
- ASTRAKHAN PROVINCE—TOMATOES—TRANSPORTATION**
On tomatoes, watermelons and water transportation. V. Evstigneev. *Sov. potreb. koop.* 7 no. 4:28-30 A '63.
- ASTRAKHAN REGION—PLAGUE—PREVENTION**
They will disappear forever. Mark Popovskii. *Znan. sta.* 30 no. 2:36-37 F '63.
- ASTROMETRY**
"Fundamental astrometry" by V. V. Podobed. Review by V. P. Sheglov. *Astron. zhur.* 40 no. 2:390-391 Mr-Apr '63.
- ASTRONAUTICS**
For the new stars. M. Keldysh and others. *Sov. Soluz* no. 10:13-15 '62.
Great triumph of Soviet people. Pavel Popovich. *Kul i zhizn'* no. 9 insert:4 p.
A group flight into outer space. *Radio no. 12:7-9 D* '62.
House of Space. Av. i kosm. 45 no. 4:88-89 Ap '63.
Measured by Moscow time. *Nov. vremen.* 20 no. 15:1-Ap '63.
Nedil'kov, I. P. [In the interest of peace; significance of the conquest of space for the establishment of peace] *V interesakh mira; pro znacheniia zavoivaniia kosmosa dlia spravy mira.* Kyiv, Dazhpolitvydav URSS, 1962, 80 p.
On land and in space. *Sov. Soluz* no. 10:2-3 '62.
"Well done, boys!" *Sov. Soluz* no. 10:10-11 '62.
Why were we first? *Uchi Aporchenko.* *Sov. Soluz* no. 20-21 '62.

ASTRONAUTICS—BIBLIOGRAPHY see Bibliography—Astronautics

ASTRONAUTICS—CONGRESSES

"Space Week" in Zoloty Peski; report from the Congress of the International Astronautics Federation (Bulgaria). M. Marinov. Tekh. mol. 31 no. 1:24-25 '63.

ASTRONAUTS

Astronauts' mail. Sov. Soluz no. 10:52-53 '62.

Astronauts without their armor. V. Rukovich, I. Nekhamkin. Sov. Soluz no. 12:50-51 '62.

Cosmonaut's day. Kul't. -pros. rab. 24 no. 1:61 Ju '63. Diary of an astronaut (to be continued). Av. i kosm. 45 no. 3:14-20 Mr '63.

Diary of pilot and astronaut K. Av. i kosm. 45 no. 4:12-21 Ap '63.

Our sons. A. A. Nikolaeva, R. P. Popovich. Sov. Soluz no. 10:26 '62.

Researcher, pilot, athlete. E. A. Petrov. Sov. Soluz no. 10:16-17 '62.

Revive the Society of Astronauts. Av. i kosm. 45 no. 4:89-90 Ap '63.

Seven days among astronauts (to be continued). A. Romanov. Smena 39 no. 19:13-14 O '62.

Where Astronaut-3 studied. Andrian Nikolayev. Sov. Soluz no. 1:50-53 '63.

ASTRONOMICAL INSTRUMENTS

Machine shop at the General Staff. Z. K. Novokhanova. Ist. -astron. issl. no. 8:331-360 '62.

ASTRONOMICAL MODELS

Model of the universe in relativistic cosmology [with summary in English]. V. S. Brezhnev. Astron. zhur. 40 no. 2:280-283 Mr-Ap '63.

ASTRONOMICAL PHOTOGRAPHY

Earth watches "Mars." Vanda Boletskaya. Ogonek 40 no. 4:6-7 D '62.

ASTRONOMICAL PHOTOMETRY see Photometry, Astronomical

ASTRONOMY

Star book. Anatoli Dneprov. V intro. knig 3 no. 4:9-11 Ap '63.

Zigel, F. I. U. [Young astronomer] Iunyi astronom. Moskva, Gos. izd-vo det'skoi lit-ry, 1956, 224 p. (Shkol'naya biblioteka) (U)

ASTRONOMY—ABSTRACTS

[Astronomy] Ref. zhur.: Astron. no. 4 Ap '63.

ASTRONOMY—BIBLIOGRAPHY see Bibliography—Astronomy

ASTRONOMY—HISTORY

Essays on the history of astronomy in ancient Russia. Part 2. D. O. Sviatskii. Ist. -astron. issl. no. 8:11-82 '62.

ASTRONOMY—HISTORY—BIBLIOGRAPHY see Bibliography—Astronomy—History

ASTRONOMY, ARABIC

Catalog of stars by al-Biruni with supplemented catalogs by Khayyam and al-Tusi. Ist. -astron. issl. no. 8:85-102 '62.

ASTRONOMY, FINNISH

Astronomy in Finland [translated from the Finnish]. N. Jarnefelt. Ist. -astron. issl. no. 8:241-267 '62.

ASTRONOMY, INDIAN

Indian astronomy in Biruni's book "India." G. D. Dzhalilov. Ist. -astron. issl. no. 8:195-220 '62.

ASTROPHYSICS

How to love our globe? Evgenii Rehn. Smena 40 no. 4:12-13 F '63.

Third plenum of the Committee on the Physics of Stars and Nebulae. V. V. Ivanov. Astron. zhur. 40 no. 2:396-398 Mr-Ap '63.

ASWAN DAM

Aswan, the hope of Egypt. Vasilii Galaktionov. Sov. Soluz no. 10:43-45 '62.

Bridge into the future. Smena 39 no. 22:7 N '62.

ASWAN DAM REGION—ANTIQUITIES

Nubian findings. N. Merpert. Sov. Soluz no. 12:47 '62.

ASYNCHRONOUS ELECTRIC MOTORS see Electric motors, Induction

ATADBRINE see Quinacrine

ATHANASIUS, Saint, Patriarch of Alexandria, d. 373

Athanasius of Alexandria. K. Kartasheva, I. Sinelnikov. Nauka i rel. 4 no. 3:41-45 Mr '63.

ATHEISM

(see also subdivision under Kharkov)

Developing scientific ideology and overcoming religious prejudices during the building of communism. V. K. Tancher. Nauch. dokl. vys. shkoly filol. nauk 6 no. 1:22-28 '63.

A forerunner of the Encyclopedists. U. Kogan. Nauka i rel. 4 no. 3:34-40 Mr '63.

How to answer believers. Kul't. -pros. rab. 24 no. 3:25-26 Mr '63.

The most important events in the life of churches and religious groups in the U.S.S.R. N. A. Mat. i soob. issl. otd. Inst. po izuch. SSSR no. 40:59-65 D '62. [Problems of Atheism] Pytaniya ateizma; khrestomatiya. Kyiv, Derzhpolityday URSS, 1962. 649 p.

Volko, V. I. [Basic principles of atheism] Osnovy ateizma. Kyiv, Radians'ka shkola, 1962. 212 p.

The way to reason and sense. Nauka i rel. 4 no. 3:3-7 Mr '63.

ATHEISM—AUDIO-VISUAL AIDS

To be included in school broadcasts. Nauka i rel. 4 no. 3:73-75 Mr '63.

ATHEISM—BIBLIOGRAPHY see Bibliography—Atheism

ATHEISM—PERIODICALS

Reading literature on scientific atheism. I. Mindlin. Polit. namobor. 7 no. 2:137-140 F '63.

ATHEISM—STUDY AND TEACHING

(see also subdivision under Dubno District; Lebedin; Leningrad; Lithuania; Okhansk; Tatar A. S. S. R.; Transcarpathia; Ukraine)

Atheistic training in biology lessons. I. S. Madzhon. Rad. shk. 41 no. 1:92-95 Ja '63.

Effective method of the study of atheism. S. Samushchev. Komm. Bel. 36 no. 5:51-53 My '62.

For the efficiency of scientific and atheistic propaganda. I. M. Ernakov. Vest. vys. shkoly 21 no. 4:42-51 Ap '63.

Women and religion. Volov, ateist. 3 no. 3:2-4 Mr '63.

ATHLETES, WOMEN see Women as athletes

ATLANTIC OCEAN—OCEAN BOTTOM

New data on the bottom geomorphology of the abyssal Nares plain. A. V. Ipin, G. V. Bogorov. Dokl. AN SSSR 148 no. 8:1392-1393 F '63.

ATMOSPHERE

Akademika nauk SSSR. Institut prikladnoi fiziki. [Studying the boundary layer of the atmosphere from a 300-meter weather tower] Izucheniye pogranichnogo sloia atmosfery s 300-metrovogo bashni. Moskva, Izd-vo Akad. nauk SSSR, 1963. 158 p.

Effect of atmospheric fluctuations on the rotation of the earth. N. S. Sidorenkov. Izv. AN SSSR. Ser. geofiz. no. 2:377-380 F '63.

Modern-day problems of the general circulation of the atmosphere. Kh. P. Pogossian. Meteor. i gidrol. no. 3:43-47 Mr '63.

Nature of twilight phenomena and their use in atmospheric research. G. V. Rozenberg. Usp. fiz. nauk 79 no. 3:441-522 Mr '63.

Rudenko, E. I., and P. R. Taube. [Fifth ocean] Plintyl okean. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 188 p.

ATMOSPHERE—SPECTRA

Emission spectra of rarefied molecular gases excited by a mixed beam of protons and hydrogen atoms [with summary in English]. G. N. Polinkova, I. A. M. Fogel', Ch'iu Yu-mei. Astron. zhur. 40 no. 2:351-362 Mr-Ap '63.

ATMOSPHERE, UPPER

Peak over a spectrogram. L. Bobrov. Znan. -sila 38 no. 2:28-29 F '63.

Possibility of heating the upper atmosphere by hydro-magnetic waves. A. I. Ershkovich. Izv. AN SSSR. Ser. geofiz. no. 3:487-492 Mr '63.

Seasonal features of the structure of the lower stratosphere (isosphere) at high and temperate latitudes. L. A. Uranova. Meteor. i gidrol. no. 3:13-20 Mr '63.

ATMOSPHERIC PRESSURE

Determining the initial wind and pressure fields from the distribution of temperatures and the vertical motions of air. E. N. Blinova. Dokl. AN SSSR 149 no. 4:824-826 Ap '63.

ATMOSPHERIC TEMPERATURE

Effect of a horizontal temperature gradient of the planetary boundary layer of the atmosphere. M. I. Ruzin. Izv. AN SSSR. Ser. geofiz. no. 3:493-497 Mr '63.

ATOMIC BOMB—PHYSIOLOGICAL EFFECT

Casualty properties of atomic weapons. I. A. Liandres. Voenn. znan. 39 no. 2:34-36 F '63.

ATOMIC ENERGY

Brief news. Atom. energ. 14 no. 4:426-428 Ap '63.

ATOMIC ENERGY INDUSTRIES

Visiting the atom. I. Nekhamkin. IUn. tekhn. 7 no. 3:19-22 Mr '63.

ATOMIC PILES see Nuclear reactors

ATOMIC POWER PLANTS

Thermal networks of binary mercury-water nuclear power plants. L. I. Gel'man, V. V. Kolosov, I. I. Tikhonov. Teploenergetika 10 no. 4:49-52 Ap '63.

ATOMIC SHIPS

Problems in the design of atomic surface tankers. V. V. Lakhmanin, I. V. Zakharov, O. N. Lebedev. Trudy NIIVT's no. 12:5-21 '62.

ATOMIC SPECTRUM see Spectrum, Atomic

ATOMIC SUBMARINES see subdivision under United States

ATOMIC WARFARE—INTERNATIONAL CONTROL

Meet, consult and cooperate. Louis Saffiant. Vaenn. prof. dvizh. no. 1:16-21 Ja '63.

ATOMIC WEAPONS—INTERNATIONAL CONTROL

No third alternative. Sovremennik. Nov. vrem. 20 no. 16:1-3 Ap '63.

Situation unchanged. I. Kommentator. Mezhdunar. zhizn' 10 no. 4:67-68 Ap '63.

Vicious circle. Nov. vrem. 20 no. 1:2-3 Ap '63.

A way to peace or a labyrinth? O. Bogdanov. Mezhdunar. zhizn' 10 no. 4:122-129 Ap '63.

ATOMIC WEAPONS—TESTING

No! to nuclear explosions. A. Golikov. Ogonek 41 no. 10:6-7 Mr '63.

ATROPHY

Effect of prosthesis on atrophic processes in the alveolar processes. S. P. Mudryi. Probl. atom. 6:260-271 '62.

ATROPINE

Effect of atropine and homotropine on the accommodation in refraction determination [with summary in English]. N. A. Rogova. Oft. zhur. 17 no. 7:420-432 '62.

ATTENUATORS (ELECTRONICS)

Solomonov, V. G. [Device for synthesizing characteristics (magazine with various characteristics)] Ustroistvo dlia sinteza kharakteristik (magazin kharakteristik). Moskva, Filial Voen. in-fa nauchn. i tekhn. informatsii, 1958. 34 p. (Peredovoi nauchno-tehnicheskii i proizvodstvennyi opyt. Tem 30, No. P-58-0/4)

AUDIO-VISUAL EDUCATION

(see also subdivision under Ukraine)

Role of visual aids in arousing the cognitive activity of students. A. I. Zil'bershteyn. Sov. pedagog. 27 no. 3:38-47 Mr '63.

AUDIOMETER

Effect of masking on hearing acuity, on the tone and speech of subjects working in conditions of industrial noise [with summary in English]. S. Z. Romm. Vest. otorin. no. 4:37-43 '62.

Study of hearing at various levels of lesion of the auditory tract [with summary in English]. N. S. Blagoveshchenskaya. Vest. otorin. no. 4:17-23 '62.

AUDITING AND INSPECTION

(see also subdivision under Rostov Province; Volgograd; Yaroslavl Province)

[Aid for the workers and activist groups in party and state control] V pomoshch' rabotnikam i aktivu partiino-gosudarstvennogo kontrolya. Moskva, Gospolitizdat, 1963. 28 p.

"Analysis of the administrative operations of an industrial enterprise" by D. I. Derkach. Reviewed by P. Evseev. Bukhg. uch. 20 no. 2:75-76 F '63.

The assistance groups are gathering strength. Part. zhizn' no. 7:28-32 Ap '63.

Communist Youth League's participation in carrying out the tasks assigned to the organs of the party and state control. Part. zhizn' no. 7:25-27 Ap '63.

Economic work of a bank. G. Kulesh and others. Den. i kred. 21 no. 3:24-30 Mr '63.

Important decision on nationwide control. Bukhg. uch. 20 no. 3:1-4 Mr '63.

Improve financial control and accounting. M. Gorbachev. Bukhg. uch. 20 no. 2:5-8 F '63.

Increase control over the work of trade organizations. I. Kochubel. Bukhg. uch. 20 no. 3:58-60 Mr '63.

Principles of the Communist Youth League "searchlight." Komsom. zhizn' no. 7:2-4 Ap '63.

So that even a mosquito could not get by! A. Mil'chakov. Ogonek 41 no. 4:9-10 Ja '63.

Syrov, V. G. [Public control over the operations of trade organizations] Obshchestvennyi kontrol' za delatelnosti torgovykh organizatsii. [Moskva] Proizdat, 1961. 75 p. (Biblioteka profsoyuznogo aktivista, no. 2)

AURAL HOSPITALS see Hospitals, Ophthalmic and aural

AUREOMYCIN

Causes of the inactivation of biomyacin in the production of lec. O. V. Karpicheva, L. V. Sadimenkova, I. V. Khuzina. Ryb. khoz. 39 no. 3:1-31 '63.

AURORAS

[Technical specifications and operation instructions for the C-180 camera and C-180-S spectrographic camera] Tekhnicheskoe opisanie i instruktsiya po ekspluatatsii fotograficheskoi kamery C-180 i spektral'noi kamery C-180-S. [n.p., 1959?] 49 p. 34 diagrs.

AUSTENITE

Protopopov, S. P. [Electronic device for determining residual austenite in steel] Elektronnyi pribor dlia opredeleniia ostatocnogo austenita v stali. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33. No. P.58-92/4)

AUSTRALIA—MINES AND MINERAL RESOURCES

Russia (1923- U.S.S.R.) Vsesoluznyi geologicheskii fond. [Brief manual on the mineral resources of capitalist countries; Africa, Australia and Oceania] Kratkii spravochnik po mineral'nym resursam kapitalisticheskikh stran; Afrika, Avstraliia i Okeaniia. Pod red. N. A. Bykhovera, M. V. Dubovskoi i N. A. Nekhod-tseva. Moskva, Gosgeoltekhizdat, 1962. 197 p.

AUSTRALIA—RELATIONS (GENERAL) WITH RUSSIA

Australia-U.S.S.R. K. McKewen. Kul't. i zhizn' 6 no. 9:40-41 '62.

AUSTRIA—ALLIED OCCUPATION, 1945-1955

Beletskii, V. N. [The Soviet Union and Austria; the Soviet Union's struggle for the restoration of an independent democratic Austria and the establishment of friendly relations with her, 1938-1960] Sovetskii Soluz i Avstriia; bor'ba Sovetskogo Soluza za vozrozhdenie nezavisimoi demokraticheskoi Avstrii i ustanovlenie s nei družestvennykh otnoshenii, 1938-1960 gg. Moskva, Izd-vo in-ta mezhduarodnykh otnoshenii, 1962. 341 p.

AUSTRIA—FOREIGN RELATIONS

Novosel'tsev, E. N. [The foreign policy of Austria] Vnesnialna politika Avstrii. Moskva, Izd-vo IMO, 1962. 85 p. (Vnesnialna politika: Mezhduarodnye otnosheniia)

AUSTRIA—FOREIGN RELATIONS—RUSSIA

Beletskii, V. N. [The Soviet Union and Austria; the Soviet Union's struggle for the restoration of an independent democratic Austria and the establishment of friendly relations with her, 1938-1960] Sovetskii Soluz i Avstriia; bor'ba Sovetskogo Soluza za vozrozhdenie nezavisimoi demokraticheskoi Avstrii i ustanovlenie s nei družestvennykh otnoshenii, 1938-1960 gg. Moskva, Izd-vo in-ta mezhduarodnykh otnoshenii, 1962. 341 p.

AUSTRIA—FOUNDING

Foundry practice in Austria. L. M. Marienbach, Lit. proizv. no. 5:46-48 My '62.

AUSTRIA—POLITICS AND GOVERNMENT

New government and new worries; a letter from Vienna. G. Schmelz. Nov. vrem. 20 no. 14:22 Ap '63.

AUSTRIA—RELATIONS (GENERAL) WITH RUSSIA

All this is for peace. Martin Gruenberg. Kul't. i zhizn' 6 no. 12:33-35 '62.

AUSTRIA—WOMEN—EMPLOYMENT

Struggle of Austrian women workers against discrimination. E. Brichacek. Vsem. prof. dvizh. no. 1:40-42 Ja '63.

AUTHORS

Writers' party organization. N. Skrebov. Part. zhizn' no. 7:50-55 Ap '63.

AUTHORS—CONGRESSES

Palms of your brothers. A. Sofronov. Ogonek 40 no. 48:18 N '62.

AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

"Almost a diary" by Valentin Kataev. Reviewed by I. Grinberg. Znamia 33 no. 3:212-215 Mr '63.

AUTHORS, GERMAN

German realist writers of the 19th century as appraised by Ivan Franko. O. V. Khomyts'kiy. Rad. lit. 7 no. 1: 62-71 Ja-F '63.

AUTHORS AND READERS see subdivision under

Kazakhstan

AUTOCLAVES

Programmed automatic control of the steaming of reinforced concrete elements. I. Barna. Stroitel'sk. 10 no. 7:29 JI '62.

AUTOMATIC CONTROL

(see also subdivision under United States)

Aranovich, B. I. [Contactless electromagnetic relay devices for regulating and automating industrial drives] Beskontaknye elektromagnitnye releinye ustroystva dlia upravleniia i avtomatizatsii promyshlennykh privodov. Leningrad, 1962. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Pribory i elementy avtomatiki, no. 12)

Arrangement for the automatic control of marine electric power systems (to be concluded). Sudostroenie 29 no. 1:43-45 Ja '63.

Automatic agricultural machinery, what is it? E. Salimov. Znanie-sila 38 no. 1:16-18 Ja '63.

Automatic control of a pumping station. Kozh., obuv. prom. 5 no. 3:40 Mr '63.

Automatic control of conveyor lines with reversing of conveyors. E. P. Abramtsev. Sbor. KuzNIUI no. 8: 150-154 '61.

Automatic control of conveyor lines with two branches. E. P. Abramtsev, A. D. Vasil'ev. Sbor. KuzNIUI no. 8: 155-160 '61.

Automatic control of marine power plants. S. N. Dranitsyn. Inform. sbor. TSNIIMF no. 69 Tekh. ekspl. mor. flota, no. 12:3-12 '61.

Automatic control of the level of the video signal in the video camera channel for film telecasting (with summary in English on p. 90). I. I. Sheffits, E. O. Zagorovskii. Tekh. kino i telev. 7 no. 3:34-42 Mr '63.

[Automatic control, remote control, and electric protection systems] Sistemy avtomaticheskogo i telemekhanicheskogo upravleniia i zashchity. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 3 v. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, Nos. P-57-1/1, P-57-12/4, P-57-59/11)

Automatic device for lighting staircases. V. Litvak, N. Baranov. Stroitel'sk. 11 no. 2:38-39 F '63.

Automatic dust-settling system. G. I. Gordon, I. V. Shkharov. Lit. prol. zh. no. 5:15-16 My '62.

Automatic feed of parts. Izobr. i rats. no. 7:38-39 and 3 of cover JI '62.

Automatic harbor. N. Bolgarov. Znanie-sila 38 no. 1: 28-29 Ja '63.

Automatic registration of the relative induced potentials in a hole. T. V. Shcherbakov, M. I. Plushin, Razved. i prom. geofiz. no. 46:86-101 '62.

Automatic unit for keeping the ship on a preset course. L. N. Muratkov. Sbor. Izobr. v ryb. prom. za 1959 g.: 99-100.

Automatically controlled street lighting. V. Belov. IUn. tekhn. 7 no. 3:39-41 Mr '63.

Automation is a task that suits us well. V. Vasil'eva. IUn. tekhn. 7 no. 3:3-9 Mr '63.

Aven, O. I., and others. [Contactless executive mechanism with single-phase asynchronous motor] Beskontaktnyi ispolnitel'nyi mekhanizm s odnofaznym asinkhronnym dvigatelem. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, No. P-57-3/2)

Baranchuk, E. I. [Design and adjustment of electronic controllers] Proektirovanie i nastroika elektronnykh regulirov. Moskva, Mashgiz, 1963. 370 p.

Cableless network for remote automatic control of conveyors with one lead in the control circuit. P. R. Kozlovskii, A. N. Stepin. Sbor. KuzNIUI no. 8:161-165 '61.

Cableless sparkproof network with three bare conductors for lines with radial feeding for automatically controlling conveyors made by the Kuznetsk Scientific Research Coal Institute. S. S. Bogutskii, P. R. Kozlovskii, A. N. Stepin. Sbor. KuzNIUI no. 8:166-170 '61.

Chernorutskii, G. S. [Electromechanical automatic control systems: Structure of automatic control systems. Transfer characteristics of electromechanical elements. Calculation of the control error] Elektromekhanicheskie sistemy avtomaticheskogo regulirovaniia: Struktura CAP. Peredatochnye svoystva elektromekhanicheskikh elementov. Raschet oshibki regulirovaniia. Moskva, Mashgiz, 1962. 126 p.

Concerning some definitions and classifications of codes. V. A. Stulov. Avtomatika 8 no. 1:63-66 '63.

Conditions of absolute invariance and stability of a self-teaching system with probability links [with summary in English]. O. II. Iveshchenko. Avtomatika 8 no. 1: 3-9 '63.

Cybernetics is coming to the oil fields. E. I. Sokhrin. Neftianik 7 no. 7:19-21 JI '62.

Doretskii, I. I. A. [Automatic control of electric resistance furnaces in a direct heating system] Avtomaticheskoe regulirovanie elektricheskikh pechok soprotivleniia priamogo nagreva. Moskva, Metallurgizdat, 1963. 125 p.

Dzhagatspanian, R. V., and others. [Application of radioisotopes to the chemical of chemical processes] Primenenie radioaktivnykh izotopov dlia kontrolya khimicheskikh protsessov. Moskva, Goskhimizdat, 1963. 343 p.

"Experimental determination of the frequency characteristics of control systems" by P. Y. Dekhtiarov. Reviewed by K. Manchak. Avtomatika 8 no. 1:94-95 '63.

Frequency conditions for absolute stability of controllable systems with hysteresis nonlinearities. V. A. Jakubovich. Dokl. AN SSSR 149 no. 2:288-291 Mr '63.

"General theory of amplitude quantization with applications to correlation determination" by D. G. Watta. Reviewed by S. F. Kozubovskii. Avtomatika 8 no. 1: 73-88 '63.

Increase in the operational accuracy of a digital integrator based on the principle of a frequency divider [with summary in English]. B. O. Sigov. Avtomatika 8 no. 1:39-54 '63.

Information conditions for the invariance of linear systems of automatic control. I. D. Kochubievskii, G. M. Ulanov. Dokl. AN SSSR 148 no. 6:1268-1270 F '63.

Mathematical theory of automata reliability [with summary in English]. A. A. Mullin. Avtomatika 8 no. 1: 24-27 '63.

Miller, G. R. [Automatic and remote control in the electric power distribution systems of industrial enterprises] Avtomatizatsiia itelemokhanizatsiia v sistemakh elektrosnabzheniia promyshlennykh predpriatii; obzor. Leningrad, 1962. 86 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Energetika)

Optimum control in linear systems with time lags. N. I. Krasovskii, Sib. mat. zhur. 4 no. 2:295-302 Mr-Apr '63.

Popov, E. P. [Automatic regulation and control] Avtomaticheskoe regulirovanie i upravlenie. Moskva, Fizmatgiz, 1962. 388 p.

Popov, V. S. [Wire resistors with indirect heating and their use in automatic control systems and measuring devices] Metallicheskie provolochnye soprotivleniia s kosvennym podogrevom i ikh primenenie v avtomaticheskikh i izmeritel'nykh ustroystvakh. Leningrad, 1961. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Pribory i elementy avtomatiki, no. 2)

Polosnikov, V. A., and B. S. Reider. [Methods for measuring the steam content of bakery oven chambers] Metody izmereniia parosoderzhanii v kamerakh khlebopekarnykh pechok. Leningrad, 1962. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Khlebopekarniia promyshlennosti, no. 2)

Practice of exploiting automatic drainage apparatus in the Kuznetsk Basin. L. I. Tarnavtch. Sbor. KuzNIUI no. 8: 115-110 '61.

Programmed automatic control of the steaming of reinforced concrete elements. I. Barna. Stroitel'sk. 10 no. 7:29 JI '62.

Programmed control of laboratory furnaces. A. A. Shapil'ro. Metalloved. i term. obr. met. no. 3:51-53 Mr '63.

Reciprocity and irreversibility of a transformer with a rotating magnetic field. A. K. Silydovskii. Avtomatika 8 no. 1:87-89 '63.

Results of industrial tests of the ASH-V-5 apparatus for automatically controlling reversible fans used in pits. S. S. Bogutskii and others. Sbor. KuzNIUI no. 8:120-135 '61.

Rusinkovskii, I. U. P., and M. A. Kaplan. [Automatic control of gas-fired boiler rooms] Avtomatizatsiia gazifitsirovannykh kotelnits. Kiev, Goskizdat USSR, 1963. 115 p.

Simplified cableless network for the automatic control of conveyors. S. S. Bogutskii, P. R. Kozlovskii. Sbor. KuzNIUI no. 8:144-149 '61.

Solov'ov, A. I., and others. [Designs of mechanisms for automatic control devices, measuring and computing equipment] Raschetny mekhanizmy avtomatiki, izmeritel'noi i schetno-rezhalushelei tekhniki. Pod red. A. I. Solov'ova. [Taganrog] Taganrogskii radio-toldn. in-t [1961] 215 p.

[MICROFILM]

Some problems of mechanization and automation in the production of photomechanical printing plates. N. I. Slutskov. Poligr. proizv. no. 2:15-18 F '63.

Sparkproof network for automatically controlling conveyors which guarantee motors against delayed starts, made by the Kuznetsk Scientific Research Coal Institute. A. D. Vasil'ev, E. P. Abramtsev. Sbor. KuzNIUI no. 8: 137-143 '61.

Stability and dynamic properties of an astatic automatic phase frequency trim system. I. U. N. Baknev. Radiotekh. i elektron. 8 no. 3:513-516 Mr '63.

System of automatic speed regulation of the movement of tape and heads of video tape recorders (with summary in English on p. 96). L. Lazarev. Tekh. kino i telev. 7 no. 2:37-41 F '63.

[Systems and apparatus for automatic and remote control, and regulation] Sistemy i apparatur dlia avtomaticheskogo i telemekhanicheskogo upravleniia i regulirovaniia. Moskva, Filial Vses. in-ta nauch. i tekhn. informatsii. No. 1. 1958. 28 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, No. P-58-17/1)

Unit for automatic control of wood drying. P. A. Davidenko and others. Sbor. Izobr. v ryb. prom. za 1959 g.: 97-98.

Using control systems with discrete action for the automatic regulation of technological processes in motion-picture photography (with summary in English on p. 96). M. B. Khalameizer, I. A. Murel. Tekh. kino i telev. 7 no. 2:27-38 F '63.

Variational problems bearing on the optimization of control processes and involving functionals depending on intermediate coordinate values. V. A. Troitskii. Dokl. AN SSSR 149 no. 2:260-271 Mr '63.

AUTOMATIC CONTROL (Continued)

- Ways of introducing automatic control of the generator part of electric power plants on motorships of the "Volgolea" type. *Mor.flot* 23 no. 3:27-29 Mr '63.
- We are fully utilizing automatic control means in telegraph communications. G.B. Tsigel'man. *Avtom., telem. i svyaz'* 7 no. 2:26-27 F '63.
- We shall have an automatic blast furnace. I.A. Iashin. *NTO* 5 no. 2:28-29 F '63.

AUTOMATIC CONTROL—BIBLIOGRAPHY see Bibliography—Automatic control

AUTOMATIC CONTROL—EQUIPMENT AND SUPPLIES
Resolving capacity of scanning systems. G.N. Belinskaya, A.I. Churbakov. *Zhur. nauch. i prikl. fot. i kin.* 8 no. 2:120-123 Mr-Apr '63.

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATIC PILOT (AIRPLANES)

Automatic pilot in a helicopter. R. Kaprelian, A. Sokolov. *Av. i kosm.* 45 no. 4:63-66 Ap '63.

AUTOMATIC PILOT (AIRPLANES)—TESTING

Unit for testing automatic pilots. *Av. i kosm.* 45 no. 3:85 Mr '63.

AUTOMATIC TIMERS

Jørgensen, A. A. [800 timer-calibrator] Sekundomer-kalibrator tipa 800. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-34/6)

Sokolik, A. L., and V. M. Bortsov. [IV-13, IV-13M and IV-13MA time-interval indicators. TTU-5-55 three-channel strain-measuring amplifier] Izmeriteli intervalov vremeni IV-13, IV-13M i IV-13MA. Trekhnicheskii tenzometricheskii usilitel tipa TTU-5-55. [By] L. I. U. Poliakovskii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-53-22/4)

AUTOMATION

Abdullaev, A. A., and others. [Automation of gas pipelines in foreign countries] Avtomatizatsiya magistral'nykh gazoprovodov za rubezhom. Moskva, Gosstektizdat, 1962. 108 p.

Automatic metallurgy. M. Kashanskii. *Nauka i zhytiia* 12 no. 1:31 Ja '63.

Automatic mold pouring. A. M. Shmakin. *Lit. protzv.* no. 5:18-19 My '62.

Automation in the manufacture of intricate cores. E. A. Davydov. *Lit. protzv.* no. 2:14-17 F '63.

Automation of assembly operations. E. A. Bloshstein. *Av. prom.* 28 no. 8:46-47 Ag '62.

[Automation of field petroleum processing and gas transportation] Avtomatizatsiya promyslovoy podgotovki nefii i transporta gaza. [By] V. F. Akimov i dr. Moskva, Gosstektizdat, 1963. 168 p.

Automation of spring coiling. G. M. Borodulin. *Mashinostroitel'* no. 2:7 F '63.

Changes in the technical division of labor under the conditions of the building of communism. L. Logvinov, E. Kulikova. *Polit. samooobr.* 7 no. 2:70-82 F '63.

Conference on automation and mechanization of chemical industries. K. P. Selanin. *Khim. prom.* no. 1:70 Ja '63.

"Efficiency of mechanization and automation in the Moldavian canning industry" by A. M. Oleinik. Reviewed by M. A. Moiseva. *Kons. i ov. prom.* 18 no. 4:38-40 Ap '63.

[EKA; encyclopedia of measurements, control and automation] EKA; entsiklopediya izmerenii kontrolia i avtomatizatsii. Moskva, Gosenergizdat, 1962. 243 p.

Electronic dispatcher. V. Kostelianskiy, I.E. Kurdiuk. *Nauka i zhytiia* 12 no. 1:39-41 Ja '63.

First All-Union Conference on Television and Electronic Computer systems in Automation. *Tekh. kino i telev.* 7 no. 3:92-93 Mr '63.

For the occupation of the future. V. Brill, O. Sukhorukov, A. Sudin. *V mire knig* no. 2:17-18 F '63.

Giant of Ukrainian chemistry. V. Hohn. *Nauka i zhytiia* 12 no. 1:41 Ja '63.

Gulliaev, V. I. [Automation of the mechanical manufacture of wooden boards and panels based on the modernization of present equipment] Avtomatizatsiya mekhanicheskoi obrabotki stolnykh plit i shekhov na baze modernizatsii deistvuyushchego oborudovaniia. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatyvushchei promyshli, 1962. 94 p.

[MICROFILM]

Korynnyi, D. M. [Mechanization and automation of machining lathe] Mekhanizatsiya i avtomatizatsiya rabot na tokarnykh stankakh. Moskva, Proftekhizdat, 1962. 161 p.

Kuvshinskii, V. V. [Fundamentals of the automation of technological processes in the machinery industry] Osnovy avtomatizatsii tekhnologicheskikh protsessov v mashinostroenii. Moskva, Mashgiz, 1962. 258 p.

Moscow. Tsentralnyi Institut tekhnicheskoi informatsii i ekonomicheskikh issledovaniy po lesnoi, bumazhnoi i derevobrabatyvushchei promyshlennosti. [Automation of woodpulp and paper production] Avtomatizatsiya tsellulozno-bumazhnogo proizvodstva; sbornik statei. Moskva, 1962. 47 p. (Bumaga i tselluloza)

[MICROFILM]

Parnes, M. G. [Mechanization and automation of the production of radio components] Mekhanizatsiya i avtomatizatsiya izgotovleniya elementov radioapparaty. Moskva, Gosenergizdat, 1963. 426 p.

Vsesoiuznoe ob'edinennoe soveshchaniye po avtomatizatsii proizvodstvennykh protsessov v mashinostroenii i avtomatizirovannomu elektroprivodu v promyshlennosti. 3d. Moscow, 1958. [Automation of production processes in the machinery industry] Avtomatizatsii protsessov mashinostroeniia; [trudy]. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 3. [Machining, hardening, assembling] Obrabotka rezaniem, uprechneniye i sborka. 1963. 219 p.

AUTOMATION—BIBLIOGRAPHY see Bibliography—Automation

AUTOMATION—STUDY AND TEACHING

Studying the elements of cybernetics and automation in secondary schools. V. S. Lednev. *Shkola i protzv.* 6 no. 12:49-53 D '62.

AUTOMOBILE DRIVERS

Drivers' Attention! V. Bulakh and others. *Sol'. mekh.* no. 8:40-41 '62.

Training of automobile drivers and mechanics in secondary schools with industrial training. E. A. Abrosimova, G. A. Protasovskii, N. N. Pliashkevich. *Shkola i protzv.* 6 no. 11:15-18 N '62.

AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

[Driver's booklet] Pamiatka shofera. Moskva [Izd-vo M-va kommun. khoz. RSFSR, 1962. 16 p.

AUTOMOBILE ENGINEERING—TECHNOLOGICAL INNOVATIONS

Automobile drivers speak today. V. Chapurin and others. *Izobr. i rata.* no. 9:9-11 S '62.

AUTOMOBILE INDUSTRY

(see also subdivision under Gorky; Kuybyshev; Minsk; United States)

Automation of assembly operations. E. A. Bloshstein. *Av. prom.* 28 no. 8:46-47 Ag '62.

Promoting the use of light metals in the automobile industry of capitalist countries. N. P. Kovalev. *Av. prom.* 29 no. 3:47-48 Mr '63.

AUTOMOBILE INDUSTRY—FINANCE see subdivision under Gorky

AUTOMOBILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Russian inventions in automobile engineering used in the automobile industry. *Av. prom.* 29 no. 8:48 Ag '62.

AUTOMOBILE INDUSTRY WORKERS—EDUCATION AND TRAINING

When the potentialities of quality improvement are lost... M. Bilinskii, Prof.-tekh. obr. 20 no. 3:28-30 Mr '63.

AUTOMOBILE MECHANICS

Training of automobile drivers and mechanics in secondary schools with industrial training. E. A. Abrosimova, G. A. Protasovskii, N. N. Pliashkevich. *Shkola i protzv.* 6 no. 11:15-18 N '62.

AUTOMOBILES

Facts refute the opinion of experts. G. Martynovich. *Izobr. i rata.* no. 1:12 '63.

"Sputnik" is the smallest Soviet automobile. N. Kozlov, B. Varshavskii. *Tekh. mol.* 31 no. 1:20-21 '63.

AUTOMOBILES—BRAKES

Engine braking of automobiles. M. S. Bolitskii. *Trudy NPI* 131:97-104 '62.

Regulating braking forces on automobile axles. A. B. Brykov. *Av. prom.* 29 no. 3:27-29 Mr '63.

AUTOMOBILES—DESIGN AND CONSTRUCTION

Automobile news. *Znan. ta pratsia.* no. 1:19 Ja '63.

AUTOMOBILES—ENGINES

Cast camshafts for the ZIL-111 engine. E. M. Shkol'nikov and others. *Lit. protzv.* no. 5:7-8 My '62.

Effect of the uniformity of motion on the wear of an automobile engine. M. S. Bolitskii. *Trudy NPI* 131:3-10 '62.

AUTOMOBILES—IGNITION

Performance of automatic ignition-advance devices of an automobile engine under steady conditions. A. A. Filimonov. *Trudy NPI* 131:31-39 '62.

AUTOMOBILES—MAINTENANCE AND REPAIR

(see also subdivision under Moscow)
An electronic oscilloscope for automobile repair shops (from "Motor-Reviz" no. 4 1962). *Radio* no. 12:55-56 D '62.

AUTOMOBILES—SPRINGS

Design of silent blocks for automobile suspensions. A. A. Udoenko. *Trudy NPI* 131:40-56 '62.

AUTOMOBILES—TESTING

Methods for the application of high-frequency cinematography for studying the vertical vibrations and changes of the rotation speed of automobile driving wheels. L. I. Korotkov. *Zhur. nauch. i prikl. fot. i kin.* 8 no. 2:123-128 Mr-Apr '63.

AUTOMOBILES—TRANSMISSION DEVICES

Cardan transmission and rear axle. V. Anokhin. *Sol', mekh.* no. 8:37-40 '62.

AUTOMOBILES—WHEELS

Increasing the precision of the check of automobile wheel alignment. A. I. Plotnikov. *Trudy NPI* 131:41-47 '62. Rolling of an automobile wheel on a hard-surface road. I. U. A. Echeistov. *Av. prom.* 29 no. 3:30-31 Mr '63.

AUTOMOBILES, GAS TURBINE—IGNITION

Using an ignition system with a semiconductor spark plug for starting gas-turbine engines. A. S. Shteinberg. *Av. prom.* 29 no. 3:14-17 Mr '63.

AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

AUTORADIOGRAPHY

Radiographic analysis of the mitotic cycle and kinetics of a cell population in the epithelium of uterus in mice. O. I. Epifanova. *Dokl. AN SSSR* 140 no. 2:424-427 Mr '63. Radiophotography of wood from the area affected by the fall of the Tunguska meteorite. I. U. M. Emelianov, V. I. Nekrasov. *Dokl. AN SSSR* 140 no. 6:1418-1421 F '63.

AUXILIARY POLICE

How auxiliary policemen helped to solve a crime. I. Shadrin, P. Fedorov. *Sots. zakon.* 30 no. 10:73 O '62.

How our public helps to maintain socialist law and order. G. Krutalin, D. Gavrilenko. *Komm. Bol.* 38 no. 5:44-50 My '62.

AVALANCHES

Calculation of the impact of avalanches. K. S. I. Losev. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 5:204-207 '60.

Forecasting the beginning of the avalanche period during snowfalls and snowstorms. K. S. I. Losev. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 5:125-129 '60.

AXIOMS

Some problems concerning the homogeneity and expansion of space in connection with Hilbert's axiomatics. Part 1. G. N. Perlatov. *Izv. vuz. ucheb. zav. i nat.* no. 2:84-93 '63.

AYKOUNI, SARKIS, 1836-1909

Life of Sarkis Aykouni [in Armenian with summary in Russian]. V. G. Svanidze. *Ist. i filol. zhur.* no. 1:151-162 '63.

AZABICYCLOCTANE

Therapeutic action of camphonum. I. A. Melenas. *Vop. put. krovi i krovoobr.* no. 6:216-219 '61.

AZEPRONE see subdivision under Kemerovo

AZERBAIJAN—AGRICULTURE

Behind the screen of loquacity. V. Titarenko. *Sov. profsoyuzy* 19 no. 6:12-15 Mr '63.

AZERBAIJAN—ARCHITECTURE—DESIGNS AND PLANS

Akademii nauk Azerbaidzhanskoi SSR, Baku. Institut arkhitektury i iskusstva. [Problems of the standardization of mass-produced structures under the conditions in the Azerbaijan S. S. R.] Voprosy tipizatsii massovykh sooruzhenii v usloviakh Azerbaidzhanskoi SSR. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 230 p. [Parallel texts in Azerbaijani and Russian]

AZERBAIJAN—BRIDGES—ESTIMATES

Azerbaijan. Gosudarstvennyi komitet po dolam stroitel'stva i arkhitektury. [Standard district estimates for construction work, determined by local conditions of construction projects for the first and second groups of construction projects in Baku and Kirovabad and nineteen zones of the Azerbaijan S. S. R.] Sbornik edinykh raionnykh edinicemykh raschetov na stroitel'nye raboty, privlazuemykh k masovym usloviyam stroek dlia pervoi i vtoroi grupp stroek po g. g. Baku, Kirovabad i 19-ti zonam Azerbaidzhanskoi SSR. Baku, 1960. 17 p.

AZERBAIJAN—CAMPS

Friends of cleanliness and order. S. Kurganov. *Sov. Kras. krcat* 12 no. 5:25 S-O '62.

AZERBAIJAN—CATTLE BREEDING

Manucharov, A. B., Sh. A. Rasi-Zade, and V. E. Bystritskii. [Improving the quality of animal husbandry and developing the Caucasian Brown cattle breed in Azerbaijan] Kachestvennoe vlichshenie skotovodstva i sozdanie kavkazskoi buroi porody skota v Azerbaidzhane. Baku, Azerneshr, 1962. 237 p. (DNAL)

- AZERBAIJAN—COINS, ANCIENT**
Pakhomov, E. A. [The coins of Azerbaijan] Monety Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR. No. 2, 1963, 137 p.
- AZERBAIJAN—CULVERTS—ESTIMATES**
Azerbaijan. Gosudarstvennyi komitet po delam stroitel'stva i arkhitektury. [Standard district estimates for construction work, determined by local conditions of construction projects for the first and second groups of construction projects in Baku and Kirovabad and nineteen zones of the Azerbaijan S.S.R.] Sbornik edinykh raionnykh edinchnykh rastenok na stroitel'nye raboty, privyazannykh k mestnym usloviyam stroek dlia pervoi i vtoroi grupp stroek po g. g. Baku, Kirovabad i 19-ti zonam Azerbaidzhanskoi SSR. Baku, 1960, 17 p.
- AZERBAIJAN—EDUCATION**
Mekhtli-Zade, M. M. [Historical studies of the Soviet schools in Azerbaijan] Ocherki istorii sovetskoi shkoly v Azerbaidzhane. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962, 299 p.
- AZERBAIJAN—GEOLOGY, STRATIGRAPHIC**
Khalilov, D. M. [Paleogene microfauna and stratigraphy of Azerbaijan] Mikrofauna i stratigrafiia paleogenovykh otlozhenii Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962, 325 p.
- AZERBAIJAN—MILK VETCH**
Gum-bearing milk vetches (*Astragalus*) as a new industrial crop in Azerbaijan [with summaries in English, German, and French]. M. A. Mikallov. Vest. sel'khoz. nauk 7 no. 12:49-50 D '62.
- AZERBAIJAN—OIL WELL PUMPS**
Make wider use of hydraulic piston pumps. K. I. A. Akhtamov. Neftianik 7 no. 7:10 JI '62.
- AZERBAIJAN—PROSPECTING—GEOPHYSICAL METHODS**
Use of an emission survey in Azerbaijan for detailed geological mapping. B. E. Khesin. Sbor. st. MGION no. 1:27-33 '62.
- AZERBAIJAN—RADIOACTIVE PROSPECTING**
Experience in using the marine radiometric survey method in the Azerbaijan S.S.R. A. M. Guseinov and others. Sov. geol. 6 no. 3:124-133 Mr '63.
- AZERBAIJAN—SEISMIC PROSPECTING**
Man is enabled by labor (to be continued). M. G. Plekchaevevskii. Neftianik 8 no. 1:17-18 Ja '63.
- AZERBAIJAN—SPRING**
Spring restlessness. L. Tairov. Ogonek 40 no. 20:16 My '62.
- AZERBAIJAN—TRADE UNIONS**
Behind the screen of loquacity. V. Titarenko. Sov. profsoiuzy 19 no. 8:12-15 Mr '63.
- AZERBAIJAN—WORKINGMEN'S CLUBS**
Our "Palace of Culture." B. Ponomarenko. Neftianik 8 no. 1:26 Ja '63.
- AZERBAIJAN—XEROPHYTES**
Comparative anatomic analysis of the adaptation of the leaves and wood of some plants to drought conditions. Sh. G. Dadashova. Dokl. AN SSSR 148 no. 5:1211-1214 F '63.
- AZO COMPOUNDS**
Kinetics of diene synthesis involving azodiaryls. N. I. Vasil'ev and others. Zhur. ob. khim. 33 no. 3:734-738 Mr '63.
Substitution of halogen in azo compounds. Part 17: Reactions of polyhaloazo compounds. Using the reaction for establishing the structure of some aromatic halogen-containing compounds. M. A. Andreeva and others. Zhur. ob. khim. 33 no. 3:988-991 Mr '63.
Synthesis of some substituted azo derivatives of benzene. Part 2. I. Kh. Fel'dman, Ch. S. Frankovskii. Zhur. ob. khim. 33 no. 3:906-910 Mr '63.
- AZOTOBACTER**
Azotobacter phage [with summary in English]. B. I. A. EPbert, O. I. Koleshko. Mikrobiologiya 31 no. 6:1038-1040 N-D '62.
Character of the effect of the irradiated soil infusorian *Colpoda maupasii* on *Azotobacter chroococcum*. M. Mavlianova. Vop. biol. i kruev. med. no. 3:5-8 '62.
Zinov'eva, Kh. G. [Azotobacter and farm plants] Azotobakter i sel'skokhoziaistvennye rastenila. Kiev, Gos. izd-vo sel'khoz. lit-ry, USSR, 1962, 178 p. (DNL)
- AZOV, SEA OF**
Sea of Azov. H. Kryvenko. Nauka i zhyttia 12 no. 1:54 Ja '63.
- AZOV SEA REGION—CORUNDUM**
Some results of geophysical studies in searching for corundums in the region of the Sea of Azov. V. M. Pelushenko, N. I. Baklanov. Geofiz. sbor. no. 2:107-110 '62.
- AZOV SEA REGION—GEOLOGY, STRUCTURAL**
Geologic structure of the conjugated zone of Pokrovo-Kirevskiy and Tel'manovo blocks in the northeastern part of the Azov Sea region. T. S. Lebedev and others. Geofiz. sbor. no. 1:32-36 '62.
Some characteristics of the tectonics of the northeastern part of the Azov Sea region, based on geophysical data. T. S. Lebedev, G. T. Sobakar'. Geofiz. sbor. no. 1:11-23 '62.
- BABOONS**
Upper part of the parietal lobe of the brain of mantled baboons. T. I. Belova. Vop. antr. no. 11:96-105 '62.
- BACAU PROVINCE, ROMANIA—INDUSTRIES**
Horizons of Bacau. Z. Mirskii. Vokrug sveta no. 2:10-12 F '63.
- BACTERIA** see subdivision under Neva Bay
- BACTERIA—MOTILITY**
Microbe motility in plane-parallel capillaries [with summary in English]. F. S. Noskov. Mikrobiologiya 31 no. 6:1092-1093 N-D '62.
Phenomenon of adsorption immobilization of *Leptospira*. A. K. Adamov, E. M. Popova. Trudy Len. inst. epid. i mikrobiol. 23:261-266 '61.
- BACTERIA, AEROBIC**
Effect of potassium phosphate and sodium fluoride on the synthesis of the biomass and the amyolytic activity of *Bac. subtilis* [with summary in English]. A. M. Malkov, V. E. Deeva, G. A. Tkacheva. Mikrobiologiya 31 no. 6:990-994 N-D '62.
Physiology of the amino acid metabolism in *Bacillus brevis* var. G. -B. V. N. Shaposhnikov, N. S. Egorov, V. F. Korshunov. Dokl. AN SSSR 148 no. 5:1186-1188 F '63.
- BACTERIA, CELLULOSE-DECOMPOSING**
Aerobic cellulose bacteria of northern soils [with summary in English]. R. A. Zhukova. Mikrobiologiya 31 no. 6:1054-1060 N-D '62.
- BACTERIA, NITRIFYING**
Physiological role of cytochrome in nitrifying bacteria [with summary in English]. A. B. Lozinov, V. A. Ermanchenko. Mikrobiologiya 31 no. 6:972-979 N-D '62.
- BACTERIA, PHOSPHORUS**
Use of phosphobacterin in the Chernozem zone. I. U. K. Kudzin, I. V. Iaroshevich. Mikrobiologiya 31 no. 6:1098-1101 N-D '62.
- BACTERIA, PHYTOPATHOGENIC**
Determining the species in phytopathogenic bacteria by the serological method and the genealogy of some bacteria [with summary in English]. V. P. Izrael'skii. Mikrobiologiya 31 no. 6:1018-1022 N-D '62.
- BACTERIA, SPOREFORMING**
Change in the physiological requirements of *Bacillus licheniformis* under the action of streptomycin [with summary in English]. N. D. I. Erusalkinskii, E. V. Grishankova, L. A. Shevchenko. Mikrobiologiya 31 no. 6:995-1001 N-D '62.
- BACTERIA, SULFUR**
(see also subdivision under Sevan, Lake)
Biogenic oxidation of sulfur of the Rozdol ore under laboratory conditions [with summary in English]. G. A. Sokolova, G. I. Karavaiko. Mikrobiologiya 31 no. 6:984-989 N-D '62.
Development of the green sulfur bacterium *Chlorospirillum thiosulfatum* at various light intensities [with summary in English]. R. M. Balitskaja. Mikrobiologiya 31 no. 6:961-965 N-D '62.
- BACTERIA, THERMOPHILIC**
A study of thermophilic microflora in the Yangau-Tau in the Southern Urals [with summary in English]. L. G. Loginova and others. Mikrobiologiya 31 no. 6:1082-1086 N-D '62.
- BACTERIOLOGY—CULTURES AND CULTURE MEDIA**
Antibacterial action of microcide on mixed cultures. O. G. Dotsenko. Probl. stom. 6:390-394 '62.
Utilization of different carbon sources by *Actinomyces* [with summary in English]. M. A. Sveshnikova, T. S. Maksimova. Mikrobiologiya 31 no. 6:966-971 N-D '62.
- BACTERIOLOGY—TECHNIQUE**
Methods of quantitative assay of trioses and glycerol in cultures of micro-organisms [with summary in English]. V. G. Plakunova. Mikrobiologiya 31 no. 6:1094-1097 N-D '62.
Microbe motility in plane-parallel capillaries [with summary in English]. F. S. Noskov. Mikrobiologiya 31 no. 6:1092-1093 N-D '62.
- BACTERIOLOGY**
Effect of antibiotics on the lysis of *Chlorella pyrenoidosa* Pringh cultures [with summary in English]. N. B. Zavarzina. Mikrobiologiya 31 no. 6:1002-1006 N-D '62.
- BACTERIOPHAGE**
Azotobacter phage [with summary in English]. B. I. A. EPbert, O. I. Koleshko. Mikrobiologiya 31 no. 6:1038-1040 N-D '62.
"Bacteriophage of lactic acid *Streptococci* and their control in the dairy industry" by M. I. Nopomnashchais, L. U. Medvinskais, L. A. Liberman. Reviewed by I. A. Rautenshtein. Mikrobiologiya 31 no. 6:1130-1133 N-D '62.
Effect of polysaccharides of *Bacillus mangelinghausii* on bacteriophage activity [with summary in English]. S. V. Zakharenko, E. I. Milevskii, N. I. Lavrent'ev. Mikrobiologiya 31 no. 6:1007-1010 N-D '62.
Reaction of the increase in the bacteriophage titer in dysentery diagnosis. G. Sh. Sabirova. Vop. biol. i kruev. med. no. 3:230-233 '62.
- BAIKAL, LAKE—FRESHWATER FAUNA**
"Biology of Lake Baikal" by M. M. Kozlov. Reviewed by L. A. Zenkevich. Zool. zhur. 42 no. 2:303-312 '63.
- BAIKAL LAKE REGION—SNAKES**
New data on the distribution of snakes on the northeastern shore of Lake Baikal [with summary in English]. S. K. Ustinov, N. G. Skriabin. Zool. zhur. 42 no. 2:303-303 '63.
- BAKERIES**
(see also subdivision under Kazakhstan; Tula Province)
Simsonov, L. A. [Self-service bakeries] Khlebocheknyye magaziny samooobsluzhivaniia. Moskva, Gostorgizdat, 1962, 53 p.
- BAKERIES—EQUIPMENT AND SUPPLIES**
Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii plishchevoi promyshlennosti. [Food-farmer systems in the bakery and confectionary industries] Gazogorodniye ustroistva v khlebopekarnoi i konfekterskoi promyshlennosti. Moskva, 1962, 28 p. [MICROFILM]
- BAKING**
Maltase activity of enzyme preparations of molds used for baking [with summary in English]. E. I. Vederinkova and others. Mikrobiologiya 31 no. 6:1087-1091 N-D '62.
- BAKSHIEV, VASILII NIKOLAEVICH, 1862-1953**
Interview with an artist. Nadezhda Svetlova. Ogonek 40 no. 50:10 D '62.
- BAKU—CITY PLANNING**
Narimanov Prospect, Baku. V. Egorov. Sov. Soina no. 2:46-49 '63.
- BAKU—RETAIL TRADE**
Living conditions in a large city. N. Naarullayev. Ist. zhizni no. 6:8-13 Mr '63.
- BAKUNINA, EKATERINA PAVLOVNA, 1795-1860**
Living features. N. Vinokur. Ogonek 41 no. 10:16 Jr '63.
- BALALAIKA**
Sokolov, F. V. [V. V. Andreev and his orchestra] V. V. Andreev i ego orkestr. Leningrad, Muzgiz, 1962, 106 p.
- BALANCE OF PAYMENTS**
Present-day stage of foreign exchange crisis in capitalist countries. F. Iystron. Den. i kred. 31 no. 3:75-85 Mr '63.
- BALANCING OF MACHINERY**
Regulation of the antifriction mechanism of balancing machines. B. E. Gorakii. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 1:173-182 '63.
- BALBUROV, AFRIKAN ANDREEVICH**
"Singing arrows" by Afrikan Balburonov. Reviewed by V. Shklov. V mire knig 3 no. 4:30-31 Ap '63.
- BALCONIES**
For safe and durable balconies. G. Kuznetsova, E. Smirnova, V. Shevchenko. Stroitel'stvo, Mosk. 11 no. 4:33-35 Ag '62.
New method of fastening balconies on large-panel apartment houses. L. Bolosov. Stroitel'stvo, 10 no. 7:15-16 JI '62.
- BALKAN PENINSULA—BRONZE AGE**
Ethnic and cultural relations between the tribes of the South-Russian steppes and Balkan Peninsula in the Bronze Age [with summary in English]. T. D. Zlatkovskaya. Sov. etn. no. 1:70-88 Ja-F '63.
- BALKHAN RANGE—MOLLUSKS, FOSSIL**
Sibirskaya, L. V. [Middle Jurassic fauna of mollusks in the Greater Balkhan Range and its stratigraphic importance] Srednolurskaya fauna molluskov Bol'shogo Balkhanna i ee stratigraficheskoe znachenie. Leningrad, Gostoptekhizdat, 1961, 232 p. (Leningrad. Vsesoiuznyi geologicheskii institut. Trudy, vol. 47)
- BALLAST (RAILROADS)**
Experience in the maintenance and repair of tracks with asbestos ballast. M. G. Burtelov. Puti i put. khoz. 7 no. 1:4-7 '63.

BALLAST (RAILROADS)—CLEANING

Advantageous method of cleaning ballast stone. I. E. Voloshin, V. I. Novakovich. Put' i put.khoz. 7 no. 1: 6-9 '63.
Ballast stone cleaning under heavy traffic conditions. N. A. Burlakov. Put' i put.khoz. 7 no. 4:11-12 '63.

BALLET

(see also subdivision under New York (City))
Bogdanov-Berezovskii, V. M. [Articles on ballet] Stat'i o ballete. Leningrad, Sovetskii kompozitor, 1962. 204 p.
When a ballerina started dancing... N. Chernova. Sotena 39 no. 22:20-21 N '62.

BALLET—STUDY AND TEACHING

Music, rhythm and enthusiasm. Lindmila Kafanova. Ogonek 41 no. 11:28-29 Mr '63.

BALISTOCARDIOGRAPHY

Functional state of the myocardium in patients during the active phase of rheumatic fever as per ballistocardiographic and electrocardiographic data [with summary in English]. G. V. Ivanovskii. Vop. revm. 1 no. 4:46-49 Q-D '61.

BAL'MEN, IAKOV PETHOVICH, 1813-1846?

Information on Iakov de Bal'man. A. I. Kuz'menko. Rad. R. 7 no. 1:126-128 Ja-F '63.

BALTIC SEA—MERCHANT SEAMEN

On a progressive ship of the Baltic. A. Usminskii. Mor. flot 23 no. 3:4-6 Mr '63.

BALTIYSK—SHIPBUILDING—TECHNOLOGICAL INNOVATIONS

Inventions and efficiency promotion at the Ordzhonikidze Baltiysk Plant. I. U. N. Ljanda. Sudostroenie 29 no. 1: 74-75 Ja '63.

BANACH SPACES

Method of tangent hyperbolae. R. A. Shafiev. Dokl. AN SSSR 149 no. 4:785-791 Ap '63.
Scale of spaces with interpolation property. E. M. Semenov. Dokl. AN SSSR 148 no. 5:1038-1041 F '63.

BANDA ISLANDS—HISTORY

Cossack Sofonius. A. Levin. Vokrug sveta no. 3:41 Mr '63.

BANKS AND BANKING

(see also subdivision under Voronezh Province)
Brief information on foreign exchange and banks abroad. Den. i kred. 21 no. 3:85-89 Mr '63.
Building control by State Bank branches. G. Frankin, I. Vodyanov, A. Korobkov. Den. i kred. 21 no. 3: 38-46 Mr '63.
The communist labor movement. Den. i kred. 21 no. 3:31-34 Mr '63.
Economic work of a bank. G. Kulesh and others. Den. i kred. 21 no. 3:24-30 Mr '63.
From our readers' letters. Den. i kred. 21 no. 3:60-66 Mr '63.
In the Road of Directors of the State Bank of the U.S.S.R. Den. i kred. 21 no. 3:90-93 Mr '63.

BANKS AND BANKING—ACCOUNTING

Mechanizing the accounting for pension operations. P. Sverdlov, A. Korovinitsyn. Den. i kred. 21 no. 3: 58-59 Mr '63.
New machines in operation. V. Gorshkov and others. Den. i kred. 21 no. 3:51-57 Mr '63.

BANKS AND BANKING—CONGRESSES

Conference of State Bank employees. Den. i kred. 21 no. 3:95 Mr '63.

BAPTISTS

Conference of the executive committee of the Universal Union of Baptists in Oslo. A. I. Mitskevich. Brat. vest. no. 5/6:21-25 '62.
Local news. Brat. vest. no. 5/6:118-122 '62.
To all parishes of Evangelical Christians and Baptists in the U.S.S.R. Brat. vest. no. 5/6:3-4 '62.

BAPTISTS—CLERGY

To Members of the All-Union Council of Evangelical Christians and Baptists; Senior Presbyter in Moldavia. B. I. Ponomarchuk. Brat. vest. no. 5/6:117 '62.

BAPTISTS—RELATIONS

Foreign Christian guests of the All-Union Council of Evangelical Christians and Baptists and its parishes. I. A. I. Zhidkov. Brat. vest. no. 5/6:26-31 '62.
Sojourn of a group of negro Baptist pastors from the United States in the Soviet Union. K. V. Pilipuk. Brat. vest. no. 5/6:32-38 '62.

BAR ASSOCIATIONS

Nauchnaja konferentsija leningradskikh advokatov. [40th anniversary of the Soviet legal profession; papers delivered at the Conference of Leningrad Attorneys-at-law] 40 let sovetskoi advokatury; doklady. Leningrad, Leningr. gor. i obl. kollegii advokatov, 1962. 105 p.
New objectives of the legal profession. I. Sukharev. Sov. iust. no. 4:14 F '63.

BARBIZON SCHOOL

Iavorskaja, N. V. [Landscapes of the Barbizon school] Peizazhi Barbizonskoi shkoly. Moskva, Gos. izd-vo "Iskusstvo," 1962. 345 p.

BARENTS SEA—TURBELLARIA

Feeding habits of the aced turbellarian Convoluta convoluta (Abildgaard) [with summary in English]. I. U. V. Mainkaev, L. N. Seravin. Zool. zhur. 42 no. 2:195-205 '63.

BARGUZIN DISTRICT—COMMUNITY CENTERS

In Barguzin all's quiet. A. Khabeeva and others. Kul't. i pros. rab. 24 no. 3:19-23 Mr '63.

BARIUM ALUMINOSILICATES

Isomorphous relations between celadon-like aluminosilicates and barium gallogermanates. R. G. Grebenshchikov. Dokl. AN SSSR 148 no. 5:1382-1385 F '63.

BARIUM OXIDE

Electrode properties and chemical stability of lithium silicate glasses containing barium and lanthanum oxides [with summary in English]. M. M. Shul'ts, N. V. Peshekhonova, T. V. Lipets. Vest. LGU 16 no. 4:160-162 '63.

BARK BEETLES see subdivision under Khoper Preserve

BARLEY

Technological characteristics of the grain of some barley varieties as raw material for the groats industry. T. F. Kuz'minskaja. Izv. vys. ucheb. zav. i shk. i tekhn. no. 116-21 '63.

BARRELS

Barrel with a removable bottom. I. A. B. Breitman. Shor. izobr. v ryb. prom. za 1959 g. 103-95.
Glued barrel. A. I. Paryshev. Shor. izobr. v ryb. prom. za 1959 g. 105-97.

BARRIER PILLARS

Determining pressure on interchamber and barrier pillars forming the periodic sequence. V. Rakhimov. Fiz. i mekh. svoia, dav. i razr. gor. porod no. 1:123-132 '62.
Justification of the engineering method for determining pressure on interchamber pillars. K. V. Ruppenolt, N. A. Davydova. Fiz. i mekh. svoia, dav. i razr. gor. porod no. 1:110-122 '62.
Method for determining pressure on pillars in isolated panel development. I. U. M. Liberman, T. S. Gomes. Fiz. i mekh. svoia, dav. i razr. gor. porod no. 1:133-140 '62.

BASAL METABOLISM

Agapov, I. U. I. A. comp. [Collection of tables on gas exchange] Sbornik tablits po gazoobmenu. Moskva, Medgiz, 1963. 70 p.
(DNLN)

BASES (CHEMISTRY)

Titration of mixtures of bases in anhydrous acetic acid [with summary in English]. A. M. Shkodin, I. P. Sedov-nichin, V. S. Panchenko. Zhur. anal. khim. 17 no. 5: 540-543 Ag '62.

BASHKIRIA—HISTORICAL RESEARCH

Work of the history teachers of the University of Bashkiria. I. A. V. Zaitsev, I. S. Kiselev. Vop. ist. 39 no. 3:106-109 Mr '63.

BASHKIRIA—MUNICIPAL SERVICES

The main trend. R. Zakirov. Zhil. i kom. khoz. 13 no. 1:15-16 '63.

BASHKIRIA—OIL FIELDS—PRODUCTION METHODS

Here people are working the communist way. I. U. N. Ovsienkov. Neftnik 7 no. 7:20-30 Ji '62.

BASHKIRIA—OSTRACODA, FOSSIL

Ostracoda in the calcareate layers of the western slope of the southern Urals and western Bashkiria. A. A. Rozhdestvenskaja. Dokl. AN SSSR 149 no. 4:935-937 Ap '63.

BASHKIRIA—PHYSICAL EDUCATION AND TRAINING

A new generation of sportsmen is growing. A. Osintsov. Komsom. zhizn' no. 5:22-23 Mr '63.

BASHKIRIA—SARMATIAN ANTIQUITIES

Sarmatian monuments in Bashkiria. M. Kh. Sadykova. Mat. i issl. po arkheol. SSR no. 116:242-273 '62.

BASHKIRIA—STONE AGE

New neolithic monuments of Bashkiria. G. N. Motushin. Krat. soob. Inst. arkheol. no. 92:91-96 '62.

BATHOMETER

Usefulness of Nansen bathometers for taking water samples from seas and oceans for microbiological research [with summary in English]. A. E. Kriss. Mikrobiologiya 31 no. 6:1067-1075 N-D '62.

BATHROOMS

(see also subdivision under Leningrad)

Bathrooms made of particle boards with polymer materials. N. E. Pashchenko, M. I. A. Nemilkhov, S. M. Evgenova. Shor. trud. NIIST no. 12:43-53 '62.

BATHYSCAPHE

Newcomers of the blue continent. S. Lina. Znaniya i put'sha no. 1:18 Ja '63.

BATUM—MEDICAL SOCIAL WORK

Brigade workers of the Fifth Clothing Factory. N. Kvirkvelia. Sov. Kras. krest 12 no. 5:24 S-O '62.

BAUXITE see subdivision under Tikhvin District

BAVLY REGION—DOILERS

Not a fireman but a remote control operator. V. Chertikina. Neftnik 7 no. 7:31 Ji '62.

BEYRAM-ALI—CHILDREN—HOSPITALS

Treatment of children suffering from nephritis at the Beyram-Ali Renal Sanatorium. G. F. Paskarev. Zdrav. Turk. 6 no. 6:28-30 N-D '62.

BEAMS AND GIRDERS

Determining the deformations of an I-beam subjected to elastoplastic hindered torsion [with summary in English]. V. O. Kolladin. Prikl. mekh. 9 no. 2:157-166 '63.

Girders on elastic foundations and piles. A. Varyak. Stroitel. arkhit. 11 no. 2:16a-16b F '63.

Strengthening series PK-01-05 reinforced concrete girders. B. N. Mizerluk. Prom. stroit. 41 no. 2:44-49 F '63.

BEAMS AND GIRDERS—MAINTENANCE AND REPAIR

Hydrochemical method of tightening the reinforcement of prestressed strengthening strut frames. M. N. Krephovich. Prom. stroit. 41 no. 2:53-58 F '63.
Strengthening girders using thermal tightening of the reinforcement. I. U. S. Sokolov. Prom. stroit. 41 no. 2: 52-53 F '63.

BEAMS AND GIRDERS—TESTING

Girders with undulate walls. G. A. Azhermanov. Prom. stroit. 40 [i.e. 41] no. 4:54-58 Ap '63.

BEAMS AND GIRDERS—VIBRATION

Effect of a gas current on the resonance frequency of forced vibrations of a beam. I. I. Fialko. Prikl. mekh. 9 no. 2:220-222 '63.

BEAMS AND GIRDERS, CONTINUOUS

Bearing capacity of composite continuous roof girders of multistory industrial buildings. V. K. Portlanko. Prom. stroit. 40 [i.e. 41] no. 3:23-34 Mr '63.

BEANS—VARIETIES see subdivision under Bulgaria

BEARING METALS

Bimetal bearings for rolling mill spindles. E. P. Ponomarenko and others. Lit. proizv. no. 1:33-34 Ja '63.
Making antifriction cast iron with use of 18KhGT steel scrap. V. S. Avakian, A. P. Grishchuk. Lit. proizv. no. 1:31 Ja '63.

BEARINGS (MACHINERY)

Calculating the ultimate carrying capacity of liquid-friction bearings. I. A. Toder. Vest. mashinostr. 43 no. 3:10-19 Mr '63.
Designing friction supports with a conic carrying surface. I. A. Tokar', P. S. Chernikov. Vest. mashinostr. 43 no. 3:15-20 Mr '63.
Effect of certain structural parameters of a segmental sliding thrust bearing on its efficiency. E. V. Trifonov and others. Vest. mashinostr. 43 no. 3:20-27 Mr '63.
New bushings for crankshaft bearings. I. N. Petrov. Mashinostroitel' no. 2:18 F '63.
Use of molybdenum disulfide for lubricating thrust bearings and gate bearings of hydraulic turbines. S. A. Filippovich. Energomashinostr. 3 no. 1:44-46 Ja '63.

BEARINGS (MACHINERY)—LUBRICATION

Calculating oil flow through a sliding bearing. V. A. Stobodkin, A. A. Kutukov. Trudy NPI 131:87-95 '62.
Effect of the angle of lubricant feed on oil flow through a sliding bearing. A. A. Kutukov, V. A. Stobodkin. Trudy NPI 131:11-16 '62.

BEARINGS (MACHINERY)—TESTING

Device for determining the gap in a spindle bearing. M. A. Zersichikov, I. V. Dudakov. Stan. i instr. 34 no. 4:37-38 Ap '63.
Investigating liquid-friction bearings of rolling mills on stands with programmed loading. F. P. Snegovskii. Vest. mashinostr. 43 no. 3:27-30 Mr '63.

BEARS—TRAINING

Filatov, V. I., and A. B. Aronov. [Bear circus] Medved'zhii tsirk. Moskva, Izd-vo "Iskusstvo," 1962. 107 p.

BEBEL, AUGUST, 1840-1913

We should repudiate the view that A. Bebel was a centrist. L. Georgiev. Nov. i novolish. ist. no. 2:176-170 '63.

BECKMANN REARRANGEMENT

Beckmann rearrangement of a free radical. E. G. Rozantsev, R. A. Papko. Izv. AN SSSR. Otd. khim. nauk no. 4:764-765 Ap '63.

- BEDBUGS AS CARRIERS OF DISEASE**
Excretion of *Rickettsia burneti* by the bedbug (*Cimex lectularius* L.) A. B. Daiter. Trudy Len. inst. epid. i mikrobiol. 23:190-195 '61.
Localization and dissemination of *Rickettsia burneti* within the organism of a bedbug. I. U. S. Balashov, A. B. Daiter. Trudy Len. inst. epid. i mikrobiol. 23:181-189 '61.
- BEDNYI, DEM'IAN, 1883-1945**
Poet of the revolution, Sergei Vasil'ev. V mire knig 3 no. 3:21-22 Mr '63.
- BEE CULTURE—RESEARCH**
Coordination of research in the field of beekeeping. A. Komarovskaya. Vest. sel'khoz. nauk 7 no. 12:142-143 D '62.
- BEECH** see subdivision under Armenia
- BEEFS, SUGAR** see Sugar beets
- BEKLEMISHEV, VLADIMIR NIKOLAEVICH, 1890-1962**
Vladimir Nikolaevich Beklemishev; an obituary. Zdrav. Turk. 6 no. 6:43 N-D '62.
Vladimir Nikolaevich Beklemishev, Oct. 5, 1890-Sept. 4, 1962. E. S. Smirnov. Zool. zhur. 42 no. 2:314-316 '63.
- BELGOROD—CANNING INDUSTRY—EQUIPMENT AND SUPPLIES**
Introducing new equipment. N. I. Ignatenko, Kons. i ov. prom. 18 no. 3:15 Mr '63.
- BELGRADE—WORLD WAR, 1939-1945**
Noteworthy date. Kul't. i zhizn' 6 no. 12:37-38 '62.
- BEOGORSKIY REGION (EAST KAZAKHSTAN PROVINCE)—BORING**
Some results of using inclined holes in the Bologorskiy open-pit mine. A. K. Bakhtin, O. S. Mechikov. Trudy All. GIMNI AN Kazakh. SSR 13:109-114 '62.
- BEOGORSKIY REGION (EAST KAZAKHSTAN PROVINCE)—STRIP MINING**
Bologorskiy open-pit mine. V. F. Makarevich, L. I. Dummanov. Trudy All. GIMNI AN Kazakh. SSR 13:17-26 '62.
- BELOZERKA REGION (ZAPOROZH'YE PROVINCE)—ROCKS, CRYSTALLINE AND METAMORPHIC**
Use of high-frequency seismic prospecting for dividing metamorphic rock complex in the Belozerska iron-ore deposit. V. B. Sollogub and others. Geofiz. sbor. no. 2:46-61 '62.
- BELOZERKA REGION (ZAPOROZH'YE PROVINCE)—SEISMIC PROSPECTING**
Use of high-frequency seismic prospecting for dividing metamorphic rock complex in the Belozerska iron-ore deposit. V. B. Sollogub and others. Geofiz. sbor. no. 2:46-61 '62.
- BELTS AND BELTING**
Nonskidting belt drive. N. A. Spitsyn. Vest. mashinost. 43 no. 2:40-42 F '63.
- BENTHOS** see subdivision under Caspian Sea
- BENTHOS—RESEARCH**
Data of a grab and the growth rate of bream. F. D. Mordukhai-Boltovskoi. Biol. inst. biol. vodokhran. no. 12:41-45 '62.
- BENTONITE**
Possibilities of using the X-ray examination method for estimating bentonites in foundry mixtures. A. A. Struchenko. Rent. min. syr. no. 1:60-66 '62.
- BENTONITE—ANALYSIS** see subdivision under Cherkassy Province
- BENZENE**
Autooxidation of phenylcyclohexene. G. A. Razuvaev, B. G. Zateev. Zhur. ob. khim. 33 no. 3:951-953 Mr '63.
Effect of some factors on the yield of polymers and on their granulometric composition in the suspension polymerization of divinylbenzenes. M. F. Nagiev and others. Azerb. khim. zhur. no. 2:71-79 '62.
Polymorphic single crystal to single crystal transition in π -dichlorobenzene. A. I. Kitaigorodskii, I. U. V. Mniakh, I. U. G. Assadov. Dokl. AN SSSR 148 no. 5: 1053-1068 F '63.
Solubility of hydrogen chloride in chlorobenzene. I. U. A. Strepikeev, B. M. Babkin. Khim. prom. no. 1:38-39 Ja '63.
Study of the conversion of mono- and ditertiary amylbenzenes under conditions of catalytic cracking taking the hydrogen redistribution into account. M. R. Musaev, G. A. Gukasova. Azerb. khim. zhur. no. 2:55-58 '62.
Synthesis of some substituted azo derivatives of benzene. Part 2. I. Kh. Fel'dman, Ch. S. Frankovskii. Zhur. ob. khim. 33 no. 3:906-910 Mr '63.
Vsesoluznyi nauchno-issledovatel'skii institut neftekhimicheskikh protsessov. [Production of benzene]
Proizvodstvo benzola; po materialam Vsesoluznogo nauchno-tekhnicheskogo soveshchaniia 1960 g. Leningrad, Goskhimizdat, 1962. 275 p.
- BENZENE DERIVATIVES**
Alkylation of toluene, xylenes, and trimethylbenzenes with olefins in the presence of synthetic aluminosilicates. I. U. G. Mamedaliev and others. Azerb. khim. zhur. no. 2:3-9 '62.
Formulas for calculating the quantity of theoretically possible isomers of dialkyl benzenes and their derivatives. B. F. Pishnamazzade. Azerb. khim. zhur. no. 2:41-53 '62.
- BENZENE DERIVATIVES—SPECTRA**
Use of infrared spectra in the low frequency region for the analysis of the isomeric composition of alkyl benzenes [with summary in English]. I. A. V. Rashkes. Zhur. anal. khim. 17 no. 5:627-630 Ag '62.
- BENZENECARBOXYLIC ACIDS**
Spectrophotometric determination of terephthalic acid in a mixture of benzenecarboxylic acids [with summary in English]. M. P. Filippov, N. I. Ruch'eva. Zhur. anal. khim. 17 no. 5:642-643 Ag '62.
- BENZENESULFONIC ACID**
Derivatives of 1,3-diethyl-4-benzenesulfonic acid. S. I. Burnistov, A. I. Danilevskaya. Zhur. ob. khim. 33 no. 3:938-940 Mr '63.
- BENZILIC ACID**
On 2-bromoethyl ester of benzilic acid. D. V. Ioffe, S. G. Kuznetsov. Zhur. ob. khim. 33 no. 3:1041 Mr '63.
- BENZIMIDAZOLE**
Derivatives of benzimidazole. Part 13: Transformations of 2-formyl-1-methylbenzimidazole. Zhur. ob. khim. 33 no. 3:1007-1010 Mr '62.
- BENZIMIDAZOLEACETIC ACID**
Mobility of hydrogen atoms in methylene groups of anhydro-2-benzimidazolylmercaptoacetic and β -mercapto-propionic acids. I. I. Chizhevskaya, L. I. Gapanovich, L. V. Pozniak. Zhur. ob. khim. 33 no. 3:945-949 Mr '63.
- BENZINDOLINONE**
Derivatives of benz(c,d)indoline. Part 8: Transformations of 1-arylamino benz(c,d)indolin-2-ones; opening of a heterocycle and rearrangement of pericarboxylic acids of hydrazo compounds. N. S. Dokunikhin, G. I. Bystritskii. Zhur. ob. khim. 33 no. 3:974-980 Mr '63.
- BENZOFURAN**
Mannich bases in the series of derivatives of 5-hydroxybenzofuran. A. N. Grinev, N. K. Venetseva. Zhur. ob. khim. 33 no. 3:820-824 Mr '63.
- BENZOIC ACID**
Molecular compounds of benzoic acid with amines. E. N. Gur'ianova, I. G. Beskina. Zhur. ob. khim. 33 no. 3:928-934 Mr '63.
3,5-Dinitrobenzoyl hydrazide, a new reagent for a carbonyl group. N. V. Kuznetsov, L. I. Komarova, L. P. Safronova. Izv. AN SSSR, Otd. khim. nauk no. 4:750-752 Ap '63.
- BENZONITRILE**
Addition of benzonitrile oxide to unsaturated compounds. Part 3: Interaction of benzonitrile oxide with vinylacetylenes substituted in a vinyl group in β -position. V. N. Chistokletov, A. T. Troshchenko, A. A. Petrov. Zhur. ob. khim. 33 no. 3:789-793 Mr '63.
- BENZOTHIADIAZOLE**
Chemistry of 2,1,3-benzothiadiazole. Part 17: Halogenation of 2,1,3-benzothiadiazole and its halo derivatives. V. G. Pesin, A. M. Khaletskii, V. A. Segeev. Zhur. ob. khim. 33 no. 3:949-952 Mr '63.
- BENZOTHIAZOLE**
Polymethine dyes containing ferrocene residues. Part 1: Synthesis of ferrocenylbenzothiazoles and preparation of thiacyanines. I. K. Ushenko, K. D. Zhukhareva, F. Z. Rodova. Zhur. ob. khim. 33 no. 3:798-804 Mr '63.
2-Mercaptobenzothiazole in the Mannich reaction. Part 3: Mechanism of the formation of (N-benzothiazolylthio) (S-benzothiazolylmercapto) methane. M. O. Kolosova, V. I. Stavrovskaya. Zhur. ob. khim. 33 no. 3:955-959 Mr '63.
- BENZOTHIOPHENE—ABSORPTION SPECTRA**
Absorption spectra of 3-keto-2,3-dihydroxythionaphthene and its derivatives. Part 5: Effect of ortho-substituents on absorption spectra and photostability of substituted 2-benzylidene-3-keto-2,3-dihydroxythionaphthene. M. A. Mostoslavskii, V. A. Izmail'skii. Zhur. ob. khim. 33 no. 3:739-744 Mr '63.
- BENZYL ALCOHOL**
Glycol ethers and their derivatives. Part 51: Synthesis of alkoxy derivatives of methyl ethers of o- and p-methylbenzyl alcohols. Shamkhal Mamedov, E. G. Dzagupova, M. A. Avanesian. Zhur. ob. khim. 33 no. 3:836-841 Mr '63.
Liquid-vapor equilibrium in the system benzyl alcohol-toluene-water. M. P. Susarev, A. N. Gorbunov. Zhur. prikl. khim. 36 no. 2:459-461 F '63.
- BERDICHEV DISTRICT—COINS, ROMAN**
New discoveries of Roman coins. H. H. Bohun. Ukr. ist. zhur. 6 no. 1:160 Ja-F '63.
- BEREZNIKI—LANDSCAPE GARDENING**
Traditions of landscapers in Berezniki. V. Aleksandrov. Zhil.-kom. khoz. 13 no. 3:22-23 Mr '63.
- BEREZOVO REGION (TYUMEN' PROVINCE)—GAS, NATURAL—GEOLOGY**
Some problems of the formation of gas fields in the Berezhovo region of the West Siberian Plain. I. I. Nesterov. Trudy SNIIGGIMS no. 26:151-159 '62.
- BEREZOVO REGION (TYUMEN' PROVINCE)—GEOLOGICAL TIME**
Age of the producing horizon in the Berezhovo gas field and oil-bearing zone of the West Siberian Plain. I. I. Rovnina. Trudy SNIIGGIMS no. 26:20-28 '62.
Age of the producing layer in the Berezhovo gas-bearing region. V. I. Levina. Trudy SNIIGGIMS no. 26:20-33 '62.
- BEREZOVO REGION (TYUMEN' PROVINCE)—PALEONTOLOGY, STRATIGRAPHIC**
Stratigraphy of the producing layer in the Berezhovo gas-bearing region of the Western Siberia. P. S. Ivinskii. Trudy SNIIGGIMS no. 26:5-10 '62.
- BERLIN QUESTION (1945-)**
West Berlin problem from the aspect of international law. B. Vevlura, I. Lukashuk. Mezhdunar. zhizn' 10 no. 4:60-57 Ap '63.
- BERNSTEIN, EDUARD, 1860-1932**
"Eduard Bernstein and the evolution of German socialism" [in French] by P. Angel. Reviewed by B. A. Aizin. Sov. i novozh. ist. no. 2:167-168 '63.
- BERNSTEIN POLYNOMIALS**
Letter to the editor. G. V. Badalian. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 10 no. 1:120 '63.
On two papers by G. V. Badalian. M. M. Dzhezhnjan. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 16 no. 1:129-133 '63.
- BERSENEV, IVAN NIKOLAEVICH, 1887-1961**
Eskin, A. M., comp. Ivan Nikolaevich Bersenev; sbornik statel, Moskva, Vsesoiuzskoe teatr. ob-vo, 1961. 347 p. illus. (MII)
- BERSHAD' DISTRICT—PEAS**
Peas in the financial balance of a collective farm. I. A. Mel'nychenko. Ekon. Rad. Ukr. no. 1:50-60 Ja-F '63.
- BERYLLIUM**
Possibility of using the photoneutron method to determine the clark of beryllium in geology. B. I. Foltakov, A. V. Gorev. Sb. st. MGUON no. 1:116-120 '62.
- BERYLLIUM SALTS**
Beryllium oxyanions of the alkylic and aliphatic series. K. N. Somenenko, G. M. Kurdimov. Zhur. neorg. khim. 7 no. 7:1512-1515 Ji '62.
- BESM COMPUTER—MEMORY SYSTEMS**
[Besm electronic digital computer] Elektronnaia tsifrovaiia vychislitel'naiia mashina Besm. Pod obshch. red. S. A. Lebedeva, Moskva, Fizmatgiz, Vol. 3. [Memory systems of the Besm-2 computer] Zapominalushchie ustroistva Besm-2. [By] N. I. Morkulov i dr. 1962. 286 p.
- BESSEMER PROCESS**
Model of a Bessemer converter. I. A. Boborykin. Shkola i proizv. 8 no. 12:67-68 D '62.
YOUTH of a converter. B. Fomin. Znanie-sila 36 no. 1:19-20 Ja '63.
- BESTUZHEV, ALEKSANDR ALEKSANDROVICH, 1797-1837**
Sharupich, A. P. [Decembrist Aleksandr Bestuzhev; his philosophy and literary works] Dekabrist Aleksandr Bestuzhev; voprosy mirovozzreniia i tvorchestva, Minsk, Izd-vo M-vn vysshogo, srednego spetsial'nogo i professional'nogo obrazovaniia BSSH, 1962. 91 p.
- BET-PAK-DALA—PLANTS—CHEMICAL ANALYSIS**
Ash composition of some plants in the Bet-Pak-Dala Desert [with summary in English]. Z. S. Karaeva. Pochvovedenie no. 3:94-104 Mr '63.
- BETA-RAY SPECTROMETER**
Iron-free β -spectrometer with $\tau_0 = 200$ min. V. F. Baranov, V. M. Kolobashkin, I. M. Dmitrievskii. Vopr. doz. i zashch. ot izluch. no. 1:108-112 '62.
- BETA RAYS—DECAY**
Polarization of internal conversion particles following β -decay. S. M. Darbinian. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 16 no. 1:105-110 '63.
- BEVEL GEARING** see Gearing, Bevel

BEZOAR

Case of a stomach stone. B.E. Ereshov, Zdrav. Turk. 7 no. 1:24-25 Ja '63.

BIBLIOGRAPHY

[Annual of Soviet books; classed index] Ezhegod. knigi SSSR; sist. ukaz. vol. 1 '61; publ. '63.
[Book chronicle] Knizh. let. nos. 11-16 '63.
Bookshelf, Kul't. zhizn' 6 no. 9:48 '62.
Eight hundred titles. V. Pavlov. Sov. Soizuz no. 2:48-49 '63.
[Information index of bibliographical lists and card files] Inform. ukaz. bibl. apln. i kart. 7 no. 7 Ap '63.
Letters, notes, answers. F. Krotov and others. Polit. sameob. 7 no. 2:140-143 F '63.
[New books; bibliographical weekly] Nov. knigi; bibl. ezhegod. 8 nos. 11-16 Mr-Apr '63.
[New books] Nov. knigi nos. 1, 8, 14-16 Ja-F, Ap '63.
New books. Vest. AN SSSR 33 no. 3:145-150 Mr '63.
[New literature on science and research abroad] Nov. lit. o nauke i nauch. -issl. rab. za rub. no. 12 '62; no. 1 '63.
[New Soviet literature on science and general research in the U.S.S.R.] Nov. sov. lit. o nauke i nauch. -issl. rab. v SSSR no. 12 '62; no. 2 '63.

BIBLIOGRAPHY—AFRICA

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 1 '63.

BIBLIOGRAPHY—AFRICA—HISTORY

People and millennia. V. Novospasskii. Vokrug sveta no. 2:62-64 F '63.

BIBLIOGRAPHY—AGRICULTURE

[Agricultural literature of the U.S.S.R.] Sel'khoz. lit. SSSR nos. 10-12 '62; no. 1 '63.
For the sake of abundance. V mire knig 3 no. 4:20-22 Ap '63.
[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. bibl. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 9-10 Mr-Apr '63.
Is it impossible without a model? Dm. Rud'. V mire knig no. 2:20-21 F '63.
Scientists write on agriculture. A. Igiltskii. V mire knig no. 2:12 F '63.
These books help put in the basic crops. V mire knig 3 no. 3:18-19 Mr '63.
Works of scientific institutions. Vest. sel'khoz. nauki 7 no. 12:62, 75, 91, 110, 136, 143 D '62.

BIBLIOGRAPHY—AHUND-ZADE, FETH ALI, 1812-1878
Lerman, A. N. [Mirza Fatali Akhundov in the Russian press, 1837-1962; a bibliography] Mirza Fatali Akhundov v russkoi pechat', 1837-1962 gg.; bibliografiya. Baku, Azerbaidzhanskaya respublikanskaya biblioteka im. M. F. Akhundova, 1962. 232 p.

BIBLIOGRAPHY—AMATEUR MOTION-PICTURES

Survey of literature for the benefit of school amateur motion-picture studios. IU. Znamenskii. Shkola i prosv. 6 no. 11:93-95 N '62.

BIBLIOGRAPHY—ARCHAEOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkhcol. i etn. nos. 1-2 '63.
[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkhcol. i etn. no. 12 '62; no. 1 '63.

BIBLIOGRAPHY—ARSEN'EV, VLADIMIR KLAVDIEVICH, 1872-1930

Vladimir Klavdievich Arsen'ev, 1872-1930. T. F. Arsiyova. Sov. etn. no. 1:139-143 Ja-F '63.

BIBLIOGRAPHY—ART OBJECTS—CONSERVATION AND RESTORATION

List of translations executed by the Section of Scientific Information and Translations of the All-Union Central Scientific Research Laboratory on the Conservation and Restoration of Museum Art Treasures, 1960-1961. Soob. VTSNILKR no. 4:77-88 '61.

BIBLIOGRAPHY—ASIA

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. no. 1 '63.

BIBLIOGRAPHY—ASTRONAUTICS

What to read about outer space. E. Pomina. V mire knig 3 no. 4:11 Ap '63.

BIBLIOGRAPHY—ASTRONOMY

Lavrova, N. B. [Bibliography of astronomical bibliographies] Bibliografiya astronomicheskikh bibliografiy. Moskva, Astronomicheskii sovet Akad. nauk SSSR, 1962. 109 p.

BIBLIOGRAPHY—ASTRONOMY—HISTORY

Selected bibliography of literature on the history of astronomy published in the U.S.S.R. and other countries. Ist.-astron. issl. no. 8:381-385 '62.

BIBLIOGRAPHY—ATHEISM

[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. no. 12 '62.

BIBLIOGRAPHY—AUTOMATIC CONTROL

[Cybernetics, automatic control, and remote control; annotated bibliography] Kib., avtom. i telet. i annot. ukaz. lit. no. 4 '62.

[MICROFILM]

BIBLIOGRAPHY—AUTOMATION

Books, dissertations, periodicals. Stan. i instr. 34 no. 4:44-45 Ap '63.
New books. Vest. mashinost. 43 no. 2:94-95 F '63.
New books. Vest. mashinost. 43 no. 3:86-90 Mr '63.
Review of foreign periodicals. Vest. mashinost. 43 no. 3:90-94 Mr '63.

BIBLIOGRAPHY—BIOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. bibl. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 9-10 Mr-Apr '63.

BIBLIOGRAPHY—BOATBUILDING

Small craft building. Sudostroenie 20 no. 1:50 Ja '63.

BIBLIOGRAPHY—BOILERS

"Thermal design of boiler units (standard method). Reviewed by A. A. Rukhotaki. Teploenergetika 10 no. 4: 98 Ap '63.

BIBLIOGRAPHY—BOOKS ISSUED IN SERIES

"The people's library: nature and man." E. Rubinshtein. Bibliotekar' no. 3:47-48 Mr '63.

BIBLIOGRAPHY—BOTANY, MEDICAL

Air vitamins. G. Porutskii. V mire knig 3 no. 4:14 Ap '63.

BIBLIOGRAPHY—BUILDING

From the pages of foreign books and periodicals. Zhil. stroit. no. 2:3 of cover '63.

BIBLIOGRAPHY—BULGARIA

[New literature on Bulgaria] Nov. lit. po Bolg. no. 12 '62; nos. 1-2 '63.

BIBLIOGRAPHY—CANNING INDUSTRY

From information bulletins. P. K. Popov. Kons. i ov. prom. 18 no. 4:40-44 Ap '63.
From pages of newspapers. Kons. i ov. prom. 18 no. 3: 46-47 Mr '63.

BIBLIOGRAPHY—CARTOGRAPHY

Bibliography. Geod. i kart. no. 2:78-80 F '63.

BIBLIOGRAPHY—CHEMISTRY

[Chemistry; classed index of articles in foreign periodicals] Khim.; sist. uk. st. v inostr. zhur. no. 2(112), 1963.
Chemistry takes the offensive. V. Sukhova. Bibliotekar' no. 3:8-11 Mr '63.

BIBLIOGRAPHY—CHILDREN'S LITERATURE

Forty-fifth anniversary of the October revolution. Z. Shnekendorf. Klub 12 no. 9:19-21 S '62.

BIBLIOGRAPHY—COMBINES (AGRICULTURAL MACHINERY)

Study tractors, combines, and automobiles. V mire knig 3 no. 3:18-17 Mr '63.

BIBLIOGRAPHY—COMMUNISM

Annotations. Vop. ist. KPSS 7 no. 3:126-131 Mr '63.
"The communist way of life is being formed today." IU. Tugov. Klub 12 no. 9:14-15 S '62.
Dissertations for the degree of "Candidate in the History of the CPSU" defended in 1962. Vop. ist. KPSS 7 no. 3: 152-157 Mr '63.
Source materials and articles on the history of the CPSU and the international communist and labor movement published in January 1963 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS 7 no. 3:133-137 Mr '63.

BIBLIOGRAPHY—COMMUNIST PARTIES

Articles on the history of communist parties published in foreign periodicals. Vop. ist. KPSS 7 no. 3:131-133 Mr '63.

BIBLIOGRAPHY—COMMUNIST YOUTH LEAGUE

Literature for Communist Youth League activists and propagandists. E. Tsvetkov. Komsem, zhizn' no. 13: 28-30 Ji '62.

BIBLIOGRAPHY—COMMUNITY CENTERS

For those who are interested in volunteer work; a brief survey of the literature. I. Tepitskaya. Klub 11 no. 3:29-30 Mr '62.

BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

Bibliography. Stroit. i arkhit. Len. 24 no. 9:38 S '62.
New books published by the State Construction Publishing House of the Ukrainian S.S.R. Stroit. i arkhit. 11 no. 2: 39 F '63.

BIBLIOGRAPHY—CYBERNETICS

[Cybernetics, automatic control, and remote control; annotated bibliography] Kib., avtom. i telet. i annot. ukaz. lit. no. 4 '62.

[MICROFILM]

BIBLIOGRAPHY—CZECHOSLOVAKIA

[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 12 '62; no. 1 '63.

BIBLIOGRAPHY—DAIRY FARMS

Give the "herringbone" system the green light. G. Bednarskula. V mire knig 3 no. 3:20 Mr '63.

BIBLIOGRAPHY—DISTILLING INDUSTRIES

From scientific and technical literature. Spirt. prom. 28 no. 2:46 '63.

BIBLIOGRAPHY—ECONOMIC HISTORY

Literature on world economics and international relations planned for publication. Mir. ekon. i mezhdunar. otn. no. 3:148-149 '63.

BIBLIOGRAPHY—ECONOMICS

Literature for those studying economics. V. Piskunov. Vop. ekon. no. 2:140-141 F '63.
New economics literature. Nar. khoz. Uzb. 5 no. 3:80 Mr '63.
[New foreign economic literature] Nov. inostr. ekon. lit. no. 12 '62; nos. 1-2 '63.
[New Soviet economic literature] Nov. sov. ekon. lit. nos. 1-2 '63.
Publications of the Economics Publication House in 1963. A. Torunov. Vop. ekon. no. 3:121-123 Mr '63.

BIBLIOGRAPHY—EDUCATION

New books published by the Academy of Pedagogical Sciences of the R.S.F.S.R. Sov. pedagog. 27 no. 2:144-146 F '63.

BIBLIOGRAPHY—EDUCATION, PRESCHOOL

New books on preschool education. Doshk. vykh. 24 no. 2:43-45 F '63.

BIBLIOGRAPHY—ELECTRIC ENGINEERING

Defense of dissertations in the M. A. Bonch-Bruевич Institute of Electrical Communication in Leningrad. Izv. vys. ucheb. zav. i radioelek. 6 no. 1:98-102 Ju-F '63.

BIBLIOGRAPHY—ELECTRICITY ON SHIPS

Electric equipment of ships. Sudostroenie 20 no. 1:46 Ja '63.

BIBLIOGRAPHY—ETHNOGRAPHY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkhcol. i etn. nos. 1-2 '63.

BIBLIOGRAPHY—ETHNOLOGY

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkhcol. i etn. no. 12 '62; no. 1 '63.

BIBLIOGRAPHY—FISHERIES

New literature on the fishing industry. Ryb. khoz. 39 no. 3:91 '63.

BIBLIOGRAPHY—FOOD—PRESERVATION

From pages of foreign journals. Kons. i ov. prom. 18 no. 3:38-39 Mr '63.

BIBLIOGRAPHY—FOOD INDUSTRY

Moscow. Tsentral'naya nauchno-tekhnicheskaya biblioteka planchevoi promyshlennosti. [Application of ultrasonic waves in the food industry; an annotated bibliographic index of domestic and foreign literature for the period from 1950 to 1961] Primeneniye ultrazvuka v pishchevoi promyshlennosti; annotirovannyi bibliograficheskii ukazatel' otechestvennoi i zarubezhnoi literatury za 1950-1961 gg. Moskva, 1962. 27 p.

[MICROFILM]

BIBLIOGRAPHY—FORESTS AND FORESTRY

From the pages of technical journals. Les. prom. 41 no. 1:pp. 2 and 3 of cover Ja '63.

BIBLIOGRAPHY—FUEL

"Thermal design of boiler units (standard method). Reviewed by A. A. Rukhotaki. Teploenergetika 10 no. 4: 98 Ap '63.

BIBLIOGRAPHY—GEOLOGY

Geology. Sov. knizh. torg. 14 no. 3:30-31 Mr '63.
List of published works by Professor Georgii Aleksandrovich Maksimovich, Doctor of Geological and Mineralogical Sciences. Khim. geog. no. 1:7-21 '61.

BIBLIOGRAPHY—GERMANY, EAST

[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. no. 9/10 '62; nos. 1-2 '63.

BIBLIOGRAPHY—GOR'KII, MAKSIM, 1868-1936

Gor'kii's creative genius. V mire knig 3 no. 3:32 Mr '63.

BIBLIOGRAPHY—HEAT ENGINEERING

Dissertations in heat engineering. Teploenergetika 10 no. 4:93-94 Ap '63.

BIBLIOGRAPHY—HIKMET, NAZIM, 1902-

Moscow. Vsesoiuznaya gosudarstvennaya biblioteka inostrannoi literatury. [Nazim Hikmet; a bibliography] Nazim Hikmet; bibliograficheskii ukazatel'. Moskva, Izd-vo Vses. knizhnoi palaty, 1962. 117 p. (Pisateli zarubezhnykh stran) (MH)

BIBLIOGRAPHY—HISTORY

Annotations. Vop. ist. KPSS 7 no. 3:125-131 Mr '63. Dissertations for the degree of "Candidate in the History of the CPSU" defended in 1962. Vop. ist. KPSS 7 no. 3: 152-157 Mr '63.

Foreign reviews of Soviet historical studies. Vop. ist. 38 no. 3:202-204 Mr '63.

Historical articles in periodicals published in socialist countries. Vop. ist. 38 no. 3:161-162 Mr '63.

Historical articles published in Soviet periodicals. Vop. ist. 38 no. 3:162-166 Mr '63.

New books. Vop. ist. 38 no. 3:160-162 Mr '63.

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkeol. i etn. nos. 1-2 '63.

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkeol. i etn. no. 12 '62; no. 1 '63.

Source materials and articles on the history of the CPSU and the international communist and labor movement published in January 1963 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS 7 no. 3:133-137 Mr '63.

BIBLIOGRAPHY—HISTORY, MODERN

Annotations. Nov. i novish. ist. no. 2:169-172 '63.

New publications of the Publishing House of Political Literature in the field of international relations and recent history. V. Bakov. Nov. i novish. ist. no. 2: 165-166 '63.

BIBLIOGRAPHY—HUNGARY

[New literature on Hungary] Nov. lit. po Veng. no. 12 '62; nos. 1-2 '63.

BIBLIOGRAPHY—HYGIENE

Live to a hundred! V. V. Alpatov. V mire knig 3 no. 3:10-11 Mr '63.

BIBLIOGRAPHY—INTERNATIONAL RELATIONS

Literature on world economics and international relations planned for publication. Mir. ekon. i mezhdunar. otn. no. 3:149-149 '63.

BIBLIOGRAPHY—KAGAROV, EVGENII GEORGIEVICH, 1882-

Evgenii Georgievich Kagarov. Sov. etn. no. 1:144-147 Ja-F '63.

BIBLIOGRAPHY—KHURUGSKI, TAGIR

Makhach-Kala. Dagestanskaya respublikanskaya biblioteka. [Tagir Khurugskii, the national poet of Dagestan. A bibliography of recommended literature] Narodnyi poet Dagestana Tagir Khurugskii; rekomendatsionnyi ukazatel' literatury. Sost. F. Akimova. Red. A. Agaev. Makhachkala, 1959. 14 p. (MH)

BIBLIOGRAPHY—KONOPNICKA, MARIA, 1842-1910

Moscow. Vsesoiuznaya gosudarstvennaya biblioteka inostrannoi literatury. [Maria Konopnicka; a bibliography] Maria Konopnicka; bibliograficheskii ukazatel'. Moskva, Izd-vo Vses. knizhnoi palaty, 1962. 184 p. (Pisateli zarubezhnykh stran)

BIBLIOGRAPHY—LABOR AND LABORING CLASSES

New books. Sots. trud 8 no. 3:158-159 Mr '63.

BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

[New foreign literature on linguistics] Nov. inostr. lit. po iaz. no. 12 '62; no. 1 '63.

[New Soviet literature on linguistics] Nov. sov. lit. po iaz. nos. 1-2 '63.

BIBLIOGRAPHY—LAW

New books. Sov. iust. no. 6:28 Mr '63.

Recent legal publications in the U. S. S. R., December 1962-January 1963. Sov. gos. i pravo 33 no. 4:156-160 Ap '63.

BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924

Builder of a new world. P. Podlinskii. V mire knig 3 no. 4:2 Ap '63.

Lenin was this kind of a man. I. Travkina. V mire knig 3 no. 3:2-4 Mr '63.

Stories about Lenin. Sergei Baruzdin. V mire knig 3 no. 4:36-37 Ap '63.

BIBLIOGRAPHY—LIBRARY SCIENCE

New bibliographical and library aids. Klub 12 no. 12:11 D '62.

New books. Bibliotekar' no. 3:62-63 Mr '63.

BIBLIOGRAPHY—LIGHTING

Optics and lighting engineering. Tekh. kino i telev. 7 no. 2:85-88 F '63.

BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauk, khud. lit., isk. 6 nos. 9-10 Mr-Apr '63.

BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

[New foreign literature on the study of literature] Nov. inostr. lit. po lit. no. 12 '62; nos. 1-2 '63.

[New Soviet literature on the study of literature] Nov. sov. lit. po lit. no. 12 '62; nos. 1-2 '63.

BIBLIOGRAPHY—LOCAL HISTORY

Russia (1917- R. S. F. S. R.) Glavnoe upravlenie uchebnykh zavedenii i kadrov. [Bibliography of local history; a course program] Kraevedcheskaya bibliografiya; programma kursa dlia uchashchikhsia biblioteknykh institutov. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 10 p.

BIBLIOGRAPHY—LUMBERING

New books. Les. prom. 41 no. 1:22 Ja '63.

To be published in 1963. I. Basinkovich. Les. prom. 41 no. 1:30-31 Ja '63.

BIBLIOGRAPHY—MACHINE TOOLS

Books, dissertations, periodicals. Stan. i instr. 34 no. 4:44-45 Ap '63.

BIBLIOGRAPHY—MACHINERY

New books. Vest. mashinost. 43 no. 2:94-95 F '63. Review of foreign periodicals. Vest. mashinost. 43 no. 2:95-96 F '63.

BIBLIOGRAPHY—MACHINERY INDUSTRY

Review of domestic journals. B. K. Kharitonov. Trek. i sel'khoz. mash. 32 no. 12:45 D '62.

BIBLIOGRAPHY—MARINE ENGINEERING

Design and operation of marine engines and boilers. Sudostroenie 29 no. 1:39 Ja '63.

From the pages of books. Sudostroenie 29 no. 1:87 Ja '63.

Technology of shipbuilding and marine engineering. Sudostroenie 29 no. 1:61 Ja '63.

BIBLIOGRAPHY—MARITIME TERRITORY

Vladivostok. Primorskaya kraevaya biblioteka imeni A. M. Gor'kogo. [Maritime Territory; recommended list of literature] Primorskii kraj; rekomendatsionnyi ukazatel' literatury. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 115 p.

[MICROFILM]

BIBLIOGRAPHY—MECHANICAL ENGINEERING

New books. Vest. mashinost. 43 no. 3:88-90 Mr '63.

Review of foreign periodicals. Vest. mashinost. 43 no. 3:90-94 Mr '63.

BIBLIOGRAPHY—MEDICINE

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'khoz. nauki 6 nos. 9-10 Mr-Apr '63.

New medical literature. Zdrav. Turk. 6 no. 6:3 of cover N-D '62.

BIBLIOGRAPHY—METAL CUTTING

Bibliographical handbook "Metal cutting and metal-cutting tools" by V. P. Kosharnovskii. Reviewed by A. Alekseeva, A. Shpolianskii. Stan. i instr. 34 no. 4:42-43 Ap '63.

BIBLIOGRAPHY—METAL CUTTING TOOLS

Bibliographical handbook "Metal cutting and metal-cutting tools" by V. P. Kosharnovskii. Reviewed by A. Alekseeva, A. Shpolianskii. Stan. i instr. 34 no. 4:42-43 Ap '63.

BIBLIOGRAPHY—METALS

New books. Metalloved. i term. obr. met. no. 2:63-64 F '63.

New books. Metalloved. i term. obr. met. no. 3:64 Mr '63.

BIBLIOGRAPHY—METEOROLOGY

Literature published on meteorology and hydrology in 1962. Meteor. i gidrol. no. 3:57-60 Mr '63.

Scientific and popular literature on meteorology. M. V. Belikov. Meteor. i gidrol. no. 3:55-57 Mr '63.

BIBLIOGRAPHY—MINING ENGINEERING

New books. Shakht. stroit. 7 no. 2:32 F '63.

BIBLIOGRAPHY—MORDVINIAN LITERATURE

Books by Mordvinian writers. A. Kuznetsova, I. Pachkova. V mire knig 3 no. 3:28 Mr '63.

BIBLIOGRAPHY—MOTION-PICTURE PHOTOGRAPHY

Filming and projection of motion pictures. Tekh. kino i telev. 7 no. 2:79-81 F '63.

BIBLIOGRAPHY—MOTION-PICTURE PHOTOGRAPHY—FILMS

Motion-picture film and its photographic processing. Tekh. kino i telev. 7 no. 2:89-89 F '63.

BIBLIOGRAPHY—MOTION-PICTURE PROJECTION

Filming and projection of motion pictures. Tekh. kino i telev. 7 no. 2:79-81 F '63.

BIBLIOGRAPHY—MOTOR VEHICLES

New books. Avt. prom. 20 no. 8:49-3 of cover Ag '62.

BIBLIOGRAPHY—MUSIC

[Chronicle of musical literature] Let. muz. lit. no. 1 '63.

BIBLIOGRAPHY—NUCLEAR PHYSICS

Bibliographic index of works by staff members of the nuclear laboratory at the p. N. Lebedev Physical Institute of the Academy of Sciences of the U. S. S. R. published in 1932-1960. Trudy Fiz. inst. 14:296-309 '62.

New literature. Atom. energ. 14 no. 4:430-435 Ap '63.

BIBLIOGRAPHY—NUMISMATICS

Index to Soviet numismatic literature for 1959-1960; supplement to the index for 1917-1958. I. O. Spasskii, V. L. Iudin. Num. i epig. 3:288-304 '62.

BIBLIOGRAPHY—OPTICS

Optics and lighting engineering. Tekh. kino i telev. 7 no. 2:85-88 F '63.

BIBLIOGRAPHY—OTORHINOLARYNGOLOGY

Articles on otorhinolaryngology printed in general medical publications in 1960. Vest. otorin. no. 4:120-124 '62.

BIBLIOGRAPHY—PAINTING

Literature. Soob. VTSNILKR no. 4:76 '61.

BIBLIOGRAPHY—PERIODICALS

[Chronicle of periodical publications of the U. S. S. R.] Let. period. izd. SSSR Ja '61-Apr '62.

BIBLIOGRAPHY—PETROLEUM INDUSTRY

Literature for petroleum workers. Neftebank 7 no. 7: 35 Ji '62.

BIBLIOGRAPHY—PHILOSOPHY

[New foreign literature on philosophy] Nov. inostr. lit. po filos. no. 12 '62; no. 1 '63.

New philosophical studies. Vop. filos. 17 no. 3:100-162 '63.

[New Soviet literature on philosophy] Nov. sov. lit. po filos. no. 1 '63.

These philosophical studies will be published for the Soviet public in 1963. I. A. Kadyshova and others. Vop. filos. 17 no. 3:175-178 '63.

BIBLIOGRAPHY—PHYSICS

New books on physics. T. O. Vreden-Kobatakin. Usp. fiz. nauk 79 no. 4:751-759 Ap '63.

BIBLIOGRAPHY—PIONEERS (COMMUNIST YOUTH)

Deeds of the pioneers. S. Mikhail'chuk. V mire knig no. 2:30 F '63.

BIBLIOGRAPHY—POLAND

[New literature on Poland] Nov. lit. po Pol'. no. 12 '62; no. 1 '63.

BIBLIOGRAPHY—RADIO

New books. Radiotekhnika 10 no. 3:3 of cover Mr '63.

BIBLIOGRAPHY—RAILROADS—SIGNALING

Books on automatic control, remote control, and communications. Avtom. telemek. i svyaz' 7 no. 2:49 F '63.

BIBLIOGRAPHY—RAILROADS—TRACK

New books for the track maintenance workers. A. F. Vicherev. Put' i put. khoz. 7 no. 1:44-45 '63.

BIBLIOGRAPHY—REFRIGERATION AND REFRIGERATING MACHINERY

Books to be published in the first half of 1963. Khol. i tekh. 40 no. 1:87-90 Ja-F '63.

BIBLIOGRAPHY—RELIGION

[New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. no. 12 '62.

BIBLIOGRAPHY—REMOTE CONTROL

[Cybernetics, automatic control, and remote control; annotated bibliography] Kib., avtom. i telemek. i svyaz'. ukaz. lit. no. 4 '62.

[MICROFILM]

BIBLIOGRAPHY—REPIN, IL'IA EFIMOVICH, 1844-1930

A mighty talent of the Russian land. M. Nemirovskaya. V mire knig 3 no. 4:38-39 Ap '63.

BIBLIOGRAPHY—ROCKETS (ORDNANCE)

Recent books on rocket technology. P. Astashenkov. Voen. znan. 30 no. 2:30 F '63.

BIBLIOGRAPHY—ROMANIA

[New literature on Romania] Nov. lit. po Rum. nos. 1-2 '63.

BIBLIOGRAPHY—RUSSIA—ARMED FORCES

Preserve the Fatherland. V mire knig no. 2:4-5 F '63.

BIBLIOGRAPHY—RUSSIA—ECONOMIC POLICY

The decisions of the November plenum of the Central Party of the CPSU must be carried out! E. Tseitlina. Klub 12 no. 3:12-13 Mr '63.

BIBLIOGRAPHY—RUSSIA—INDUSTRIES

Library poster. G. Demidenko, E. Snesareva. Klub 11 no. 3:22 Mr '62.

BIBLIOGRAPHY—RUSSIAN LANGUAGE

Moscow. Publichnaia biblioteka. Otdel spravochno-bibliograficheskoi i informatsionnoi raboty. [Cultivation of Russian speech; an annotated bibliography] Kul'tura russkoi rechi; annotirovannyi ukazatel' literatury. Moskva, 1962. 55 p.

BIBLIOGRAPHY—RUSSIAN LITERATURE

"History of Russian literature of the 19th century: a bibliographic index." Reviewed by R. N. Krendel', F. E. Ebin. Vest. AN SSSR 33 no. 3:143-144 Mr '63.

BIBLIOGRAPHY—RUSSIAN POETRY

In behalf of youth. V. Ionov. V mire knig no. 2:26-27 F '63.

Poetic horizons. Egor Isaev. V mire knig 3 no. 4:23-24 Ap '63.

A woman lives in Russia... Vladimir Prikhod'ko. V mire knig no. 2:6-8 F '63.

BIBLIOGRAPHY—RUSSIAN STUDIES

Brief review of recent publications devoted to the Soviet Union. R. A. Zybenko. Mat. i soob. tsisl. i d. inst. po izuch. SSSR no. 40:66-68 D '62.

BIBLIOGRAPHY—SADOVEANU, MIHAIL, 1880-1961

Moscow. Vsesoiuznaia gosudarstvennaia biblioteka i informatsionnaia literatura. [Mihail Sadoveanu; a bibliographic index] Mikhail Sadoveanu; bibliograficheski ukazatel'. Moskva, Izd-vo Vses. kulzhnoi palaty, 1962. 94 p.

BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: Fiz., mat., khim. i geol., geog. nauki; tekhn. i tekhn. nauki 8 nos. 9-10 Mr-Apr '63.

Kruchkovskii, S. A. [Soviet science today and tomorrow; a bibliography of recommended literature] Sovetskaya nauka segodnia i zavtra; rekomendatsionnyi ukazatel' literatury. Leningrad, 1962. 15 p. (Leningrad. Publichnaia biblioteka. Na temy dlia, no. 5)

BIBLIOGRAPHY—SHIPBUILDING

Industrial organization and economics. Sudostroenie 20 no. 1:81 Ja '63.

Shipbuilding in foreign countries. Sudostroenie 20 no. 1: 77 Ja '63.

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 6 nos. 9-10 Mr-Apr '63.

BIBLIOGRAPHY—SOCIOLOGY

Moscow. Gosudarstvennaia publichnaia istoricheskaya biblioteka. [Sociology; recommended list of literature for the aid of the teacher] Obshchestvovedenie; rekomendatsionnyi ukazatel' literatury v pomoshch' uchitel'iu. Moskva, Izd-vo Vsesoiuznoi kulzhnoi palaty, 1963. 145 p.

BIBLIOGRAPHY—SOIL SCIENCE

Urgent problems in soil science bibliography. B. G. Gafarov. Pochvovedenie no. 2:110-112 F '63.

BIBLIOGRAPHY—SOILS

Bibliography. Pochvovedenie no. 2:113-125 F '63.

Bibliography. Pochvovedenie no. 3:124-134 Mr '63.

BIBLIOGRAPHY—SOUND—RECORDING AND REPRODUCING

Sound recording and reproducing. Tekhn. kino i telev. 7 no. 2:83-85 F '63.

BIBLIOGRAPHY—STEFANYK, VASYL' SEMENOVYCH, 1871-1936

Akademika nauk URSR, Kiev. Biblioteka. Lvov. [Vasyl' Stefanyk; a bibliography] Vasyl' Stefanyk; bibliografichnyi pokazchik. Kyiv, Akad. nauk URSR, 1961. 166 p. (MH)

BIBLIOGRAPHY—STOCK AND STOCKBREEDING

New books. Vsiyok sl'khop. nauky 6 no. 2:122-124 F '63.

BIBLIOGRAPHY—SURVEYING

Bibliography. Geod. i kart. no. 2:78-80 F '63.

BIBLIOGRAPHY—TECHNICAL EDUCATION

Books on manual training, and vocational and technical education. V. Pat'lanov. Shkola i proizv. 6 no. 12: 83-86 D '62.

Role of volunteer effort in the struggle for technological progress. Klub 12 no. 1:18-19 N '62.

BIBLIOGRAPHY—TECHNOLOGY

For workers in popular occupations. V mire knig 3 no. 4:19 Ap '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1: Fiz., mat., khim. i geol., geog. nauki; tekhn. i tekhn. nauki 8 nos. 9-10 Mr-Apr '63.

BIBLIOGRAPHY—TELECOMMUNICATION

Recommended literature for communication workers. B. A. Voronov. Vest. svyazi 23 no. 1:32 Ja '63.

BIBLIOGRAPHY—TELEVISION

Television. Tekhn. kino i telev. 7 no. 2:81-83 F '63.

BIBLIOGRAPHY—TRACTORS

Study tractors, combines, and automobiles. V mire knig 3 no. 3:15-17 Mr '63.

BIBLIOGRAPHY—UKRAINIAN LITERATURE

Brief book reviews. Sov. Ukr. 12 no. 11:167-168 N '62.

Brief book reviews. Sov. Ukr. 12 no. 12:103-105 D '62.

Prospective plans of publishing houses for 1963. M. K. Bohuts'kyi, I. E. V. Topol'. Rad. lit. 7 no. 1:154-155 Ja-F '63.

BIBLIOGRAPHY—ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Moscow. Tsentral'naya nauchno-tekhnicheskaya biblioteka pishchevoi promyshlennosti. [Application of ultrasonic waves in the food industry; an annotated bibliographic index of domestic and foreign literature for the period from 1950 to 1961] Primenenie ultrazvuka v pishchevoi promyshlennosti; annotirovannyi bibliograficheski ukazatel' otechestvennoi i zarubezhnoi literatury za 1950-1961 gg. Moskva, 1962. 27 p. [MICROFILM]

BIBLIOGRAPHY—VOCATIONAL EDUCATION

Books on manual training, and vocational and technical education. V. Pat'lanov. Shkola i proizv. 6 no. 12: 83-86 D '62.

BIBLIOGRAPHY—WAGES

New books. Sots. trud 6 no. 3:153-159 Mr '63.

BIBLIOGRAPHY—WELDING

Foreign publications on welding. Svar. proizv. no. 3: 46 Mr '63.

Soviet inventions in welding. Svar. proizv. no. 3:46 Mr '63.

Soviet publications on welding. Svar. proizv. no. 3:40-47 Mr '63.

BIBLIOGRAPHY—WOODPULP INDUSTRY

Rukhin, N. V. [Handbook of technical literature on woodpulp and paper production published from 1950 to 1960] Spravochnik tekhnicheskoi literatury po tselulozno-lumaznomu proizvodstvu, 1950-1960 gg. Moskva, Gosstatizdat, Vol. 2. Pt. 1. [Periodicals] Zhurnal'naya literatura, 1962. 238 p.

BIBLIOGRAPHY—WORLD POLITICS

New publications of the Publishing House of Political Literature in the field of international relations and recent history. V. Baikov. Nov. i noveish. ist. no. 2: 165-166 '63.

BIBLIOGRAPHY—YUGOSLAVIA

[New literature on Yugoslavia] Nov. lit. po Yug. no. 12 '62; nos. 1-2 '63.

BIBLIOGRAPHY (THEORY, METHODS, ETC.)

"How to write a bibliography of scientific work" by A. N. Verevkina. Reviewed by I. A. Sherstin. Vest. vys. shkoly 21 no. 4:83-84 Ap '63.

BIBLIOGRAPHY, NATIONAL—UKRAINIAN

[Ukrainian publishers' catalog of books for 1961] Knyhy vydavnytstva Ukrainy za 1961 rik; spysok vypushchenoi literatury. Kharkiv, Vyd-vo knyzhkovoi palaty URSR, 1962. 645 p.

BILE DUCTS—DISEASES

Practical importance of the method of duodenal probing in the diagnosis of bile duct diseases. E. M. Chelak. Trudy Kish. gos. med. inst. 13:55-58 '60.

BILETSKYI, OLEKSANDR IVANOVYCH, 1884-1961

Unfinished article, "Borys Hrinchenko" written by O. I. Bilets'kyi, M. D. Bernshein. Rad. lit. 7 no. 1:114-122 Ja-F '63.

BILIARY TRACT—DISEASES

Zikeeva, V. K. [Dietotherapy in liver and biliary tract diseases] Lechenoe pitanie pri bolezniakh pochki i zhelchnykh putei. Moskva, Medgiz, 1962. 44 p. (DNLM)

BINDING MATERIALS

Effect of low-frequency electric fields on the hardening process of mineral binding substances. IU. N. Verzhnina. Izv. vys. ucheb. zav. stroit. i arkhit. 6 no. 1:36-42 '63.

Nechnev, G. A. [Raw material for the production of binding structural materials] Syr'e dlia proizvodstva viazushchikh stroitel'nykh materialov. Izd. 2., ispr. Moskva, Gosstatizdat, 1962. 23 p. (Biblioteka tekhnicheskoi literatury)

Using the PS-1 binder in the manufacture of shell molds. L. D. Snulova, P. G. Vinichenko, K. M. Gurvich. Lit. proizv. no. 5:37-38 My '62.

BIOCHEMICAL RESEARCH

Code of the living. Vanda Beletskaya, Ogonek 41 no. 3: 16-17 Ja '63.

BIOCHEMISTRY

Ferdman, D. L. [Biochemistry] Biokhimiya. Izd. 2., popr. i dop. Moskva, Vysshai shkola, 1962. 612 p.

Origin and evolution of the biosphere. V. V. Koval'skii. Usp. sovr. biol. 55 no. 1:45-47 Ja-F '63.

BIOCHEMISTRY—ABSTRACTS

[Biochemistry] Ref. zhur.: Biol. khim. no. 8 Ap '63.

BIOLOGICAL RESEARCH

In the Department of Biology. Vest. AN SSSR 33 no. 3: 40-53 Mr '63.

Method of electronic paramagnetic resonance and its use in biology. A. I. Mochalkin, G. R. Rik. Sbor. trud. po agron. fiz. no. 10:247-255 '62.

BIOLOGY

Grigorenko, R. V., comp. [Collection of popular science essays; biology, medicine] Sbornik nauchno-popularnykh tekstov; biologiya, meditsina. Moskva, Izd-vo lit-ry na inostr.azykakh, [n. d.] 294 p.

BIOLOGY—ABSTRACTS

[Biology] Ref. zhur.: Biol. nos. 6-8 Mr-Apr '63.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—PHILOSOPHY

Musabaeva, N. A. [Problem of causation in philosophy and biology] Problema prichinnosti v filosofii i biologii. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 292 p.

BIOLOGY—STUDY AND TEACHING

Athletic training in biology lessons. I. S. Madzhon. Rad. shk. 41 no. 1:92-95 Ja '63.

BIOMETRY

Discriminative functions in anthropology. V. P. Chetyshev. Vop. antr. no. 11:128-132 '62.

BIOPHYSICS

Dielectric permeability of biological objects. B. I. Sedunov, D. A. Frank-Kamenetskii. Usp. fiz. nauk 79 no. 4:617-639 Ap '63.

BIRDS see subdivision under Borisoglebsk region (Voronezh Province)

BIRDS—BEHAVIOR see subdivision under Russia, Northern

BIRDS—EMBRYOLOGY see Embryology—Birds

BIRTH INJURIES

Why defective children are born. B. Klossovskii, M. Iankova. Sem'ia i shkola 18 no. 3:46-48 Mr '63.

BIRTH RECORDS see Registers of births, etc.

a) BIRUNI, 973?-1048

Indian astronomy in Biruni's book "India." G. D. Dzhalilov. Ist. astron. issl. no. 8:195-220 '62.

BISMUTH

Effect of surface-active impurities on the surface tension and microhardness of bismuth. I. P. Altynov. Uch. zap. Mosk. gor. ped. inst. 86:5-42 '60.

BISMUTH—ANTIMONY ALLOYS

Effect of antimony and lead impurities on phase transitions in bismuth [with summary in English]. N. B. Brandt, N. I. Ginzburg. Zhur. eksp. i teor. fiz. 44 no. 3:848-851 Mr '63.

BISMUTH—LEAD ALLOYS

Effect of antimony and lead impurities on phase transitions in bismuth [with summary in English]. N. B. Brandt, N. I. Ginzburg. Zhur. eksp. i teor. fiz. 44 no. 3:848-851 Mr '63.

BITUMEN

Petroleum bitumens in pegmatites and carbonatites. N. S. Baskrovnyi, T. E. Baranova. Dokl. AN SSSR 149 no. 4:918-921 Ap '63.

Significance of the bitumen content in organic matter for oil prospecting. V. F. Nikonov. Trudy SNIIGGIMS no. 26:146-150 '62.

- BLACK FLIES—PARASITES** see Parasites—Black flies
- BLACK SEA—GRAY MULLET**
Do estuary fish farms affect the stock of gray mullets in the Black Sea? IU, P. Zaitsev. Ryb. khoz. 39 no. 3: 7-12 '63.
- BLACK SEA—TROUT**
Barach, G. P. [Salmon trout of the Black Sea] Chernomorskaya kumzha (losos'-forel'). Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 109 p.
- BLACK SEA—WORLD WAR, 1939-1945—NAVAL OPERATIONS, RUSSIAN**
Kumanin, M. F. [We are sending the ships to sea] Otpравlениe v pokhod korabli. Moskva, Voenizdat, 1962. 99 p. (Voennye memuary)
- BLACK SEA REGION—OIL WELL DRILLING**
As seen by a drilling foreman. E. Ivanov. Neftianik 8 no. 1:30-31 Ja '63.
- BLADES**
Concerning means for controlling the profile of large blades. B. E. Kostich. Energomashinostroyeniye 9 no. 2:27-29 F '63.
- BLAST FURNACES**
Automatic metallurgist. M. Kashansk'yi. Nauka i zhytiia 12 no. 1:31 Ja '63.
A blast furnace starts operating; script of a documentary film. V. Strelkov. Tekh. mol. 31 no. 1:8-9 '63.
Investigating the dynamics of a gas flow in the upper part of the stack during combined blowing. IU, M. Potebnia, V. I. Litvinenko. Izv. vys. ucheb. zav.; chern. met. 6 no. 2:23-30 '63.
Organization of preparatory work in the assembly of the elements of a blast furnace at the Western Siberian Metallurgical Plant. A. S. Orlov, K. I. Luk'ianov, IU, M. Kozhevnikov. Prom. stroi. 41 no. 2:13-17 F '63.
Performance of blast furnace air preheaters with dilution by a preheated blow. E. M. Gol'dfarb, L. V. Legavets. Metallurg 8 no. 3:3-5 Mr '63.
Studying the sources of hot blast pressure pulsation on blast furnace tuyeres. A. S. Kukarkin, B. I. Kitaev. Izv. vys. ucheb. zav.; chern. met. 6 no. 2:31-38 '63.
Trouble-free operation of blast furnaces and air blowers. F. I. Orzhikhovskii. Metallurg 8 no. 3:9 Mr '63.
We shall have an automatic blast furnace. IA, IAshin. NTO 5 no. 2:28-29 F '63.
Will the blast furnace made steel? V. Kupriianov. Izobr. i rats. no. 7:27-28 Ji '62.
- BLAST FURNACES—DESIGN AND CONSTRUCTION**
Design of blast furnace hearth bottoms. A. A. Razumov. Metallurg 8 no. 4:12-14 Ap '63.
Insertion gutter in the main hearth pit. G. I. Lizunov. Metallurg 8 no. 3:5-6 Mr '63.
- BLAST FURNACES—EQUIPMENT AND SUPPLIES**
Accuracy in the weighing of charge materials. I. I. Vishenskii. Izv. vys. ucheb. zav.; chern. met. 6 no. 2: 178-184 '63.
Determining the optimum frequency of reversing blast furnace air preheaters. E. M. Gol'dfarb, L. V. Legavets. Izv. vys. ucheb. zav.; chern. met. 6 no. 2:150-157 '63.
Ways to improve the design details and methods of assembling the gas purification of a blast furnace. IU, I. Zytin, F. A. Solov'ev. Prom. stroi. 40 [i. e. 41] no. 4:46-49 Ap '63.
Ziuzin, V. I. [Mechanical and hoisting-conveying equipment of blast furnaces] Mekhanicheskoe i pod'emno-transportnoe oborudovanie domennykh tsekhov. Moskva, Metallurgizdat, 1962. 419 p.
- BLAST FURNACES—MAINTENANCE AND REPAIR**
Sealing the base of a blast furnace. G. Podutov. Prom. stroi. i inzh. soor. 4 no. 1:48-49 Ja-F '63.
- BLASTING**
(see also subdivision under Leningorsk region, East Kazakhstan Province; Zyrjanovsk District)
Blasting in saturated soil for making a foundation pit. V. A. Rukavitsa. Prom. stroi. 41 no. 2:41-42 F '63.
Cost analysis of secondary crushing of various sizes of oversize rocks by blasting. L. I. Baron, G. S. Cherepanov. Fiz.-mekh. svoist., dav. i razr. gor. porod no. 1: 253-259 '62.
Efficient diagrams of electric blasting circuits. P. V. Belov, A. P. Kalashnikov, D. S. Kutuzov. Bezop. truda v prom. 7 no. 3:26-27 Mr '63.
Evstropov, N. A., and IU, V. Kolobov. [Some problems in short-delay blasting] Nekotorye voprosy korotkoza-mennogo vzryvaniia. Moskva, Gosgortekhzdat, 1962. 99 p.
Indicator of the specific consumption of explosives as the criterion of breakage by blasting. L. I. Baron. Fiz.-mekh. svoist., dav. i razr. gor. porod no. 1:243-252 '62.
Mining in Sweden by the Janol method (from "Engineering and Mining Journal," no. 7, 1959). B. K. Chukan. Shakh. stroi. 7 no. 2:26-28 F '63.
Some problems in improving mining operations in the Andreyevskiy open-pit mine. A. K. Bakhtin. Trudy AN GMIi AN Kazakh SSR 13:115-120 '62.
- Using the method of borehole charges in construction of the Abakan-Tayshet line. M. A. Basistov, P. E. Kostrov. Transp. stroi. 13 no. 2:4-7 F '63.
Value of the coefficient for spacing borehole charges in instantaneous blasting in hard rock. P. F. Korsakov. Sbor. trud. VNIINerud no. 2:83-92 '62.
- BLASTING—EQUIPMENT AND SUPPLIES**
New design for a hermetic blasting cartridge. S. IA. Khariamov. Razved. i prom. geofiz. no. 46:127 '62.
- BLEEDING** see Hemorrhage
- BLIND LANDING** see Ground controlled approach
- BLINDNESS**
"Concomitant squinting and amblyopia"; "Uchenye zapiski" of the State Scientific Research Institute for Eye Diseases, no. 7. Reviewed by N. I. Pili'man. Oft. zhur. 17 no. 7:444-445 '62.
- BLOCKADE**
Blockade and present-day international law. A. L. Kolodkin. Sov. gos. i pravo 33 no. 4:82-103 Ap '63.
- BLOOD—ANALYSIS AND CHEMISTRY**
Changes in the blood of sportsmen under the influence of moderate altitude. D. A. Allpov. Sov. zdruv. Kir. no. 1:11-15 Ja-F '63.
- BLOOD—CIRCULATION**
Hemodynamics in aged persons [in Azerbaijani with summary in Russian]. O. G. Akhverdiev. Azerb. med. zhur. 40 no. 1:47-52 Ja '63.
- BLOOD—CIRCULATION, ARTIFICIAL**
Changes in erythrocyte resistance in artificial blood circulation. V. P. Makarov, A. L. Mikheev, I. I. Evnina. Vop. biofiz., biokhim. i pat. erit. no. 2:298-305 '61.
- BLOOD—CIRCULATION, DISORDERS OF**
Exercise therapy in blood circulation deficiency. A. A. Tyanov, N. N. Kovalenko. Vop. pat. krovi i krovoobr. no. 6:220-224 '61.
Gas exchange in patients with blood circulation insufficiency during treatment with oltoriside and Strophanthus infusion. R. M. Muminova. Vop. biol. i kraev. med. no. 3:222-224 '62.
Some hemodynamic indicators of blood circulation insufficiency in patients treated with the new native glycosides oltoriside and strophanthin K. L. A. Tykava. Vop. biol. i kraev. med. no. 3:234-240 '62.
- BLOOD—COAGULATION**
Coagulability of the blood and the time of recalcification following the injection of strophanthin K. M. T. Khanov. Vop. biol. i kraev. med. no. 3:241-242 '62.
Functional state of the blood coagulation system in healthy children. A. IU, Lemberanskaya, Azerb. med. zhur. 40 no. 1:21-25 Ja '63.
- BLOOD—EXAMINATION**
Plethysmography of the foot, thermography, sedimentography, phlebocytometry and the endothelial cup test. V. A. Val'dman. Vop. pat. krovi i krovoobr. no. 6:22-45 '61.
- BLOOD—SEDIMENTATION**
Burchinskii, G. I. [Erythrocyte sedimentation reaction] Reaktsiia osedaniia eritrotsitov. Izd. 3., perer. i ispr. 1 dop. Kiev, Gosmedizdat USSR, 1962. 204 p. (DNLN)
Dynamics of the curves of fractional erythrocyte sedimentation. I. A. Terskov, I. I. Gitel'zon. Vop. biofiz., biokhim. i pat. erit. no. 2:107-117 '61.
Electrophoretic studies of blood protein fractions and hemocentrifugation observations in rheumatic fever. O. D. Grigor'eva. Vop. pat. krovi i krovoobr. no. 6: 73-79 '61.
- BLOOD, GASES IN**
Effect of blood plasma and the gaseous medium on the development of radiation aftereffects in preserved erythrocytes. V. P. Makarov, N. B. Khripach. Vop. biofiz., biokhim. i pat. erit. no. 2:136-145 '61.
Gas exchange in patients with blood circulation insufficiency during treatment with oltoriside and Strophanthus infusion. R. M. Muminova. Vop. biol. i kraev. med. no. 3:222-224 '62.
- BLOOD AS FOOD OR MEDICINE**
Use of placental blood for prematurely born infants. T. M. Chursina-Orlygina. Zdrav. Turk. 2 no. 6:23-28 N-D '59.
- BLOOD DONORS**
Brief notes on various things. Sov. Kras. krest 12 no. 5:26 S-O '62.
We have an urgent need for blood. M. Ilichev. Sov. Kras. krest 12 no. 5:21 S-O '62.
- BLOOD PRESSURE**
Changes in venous pressure in coronary disease. B. K. Malkishev, N. M. Beloborodova. Vop. pat. krovi i krovoobr. no. 6:159-165 '61.
- BLOOD PROTEINS**
Blood serum proteins in pulmonary tuberculosis. F. N. Kur'ianova-IAchenko. Vop. pat. krovi i krovoobr. no. 6:174-181 '61.
Dynamics of blood serum protein fractions in liver, kidney, and lung diathermy. T. V. Gavriluk. Vop. pat. krovi i krovoobr. no. 6:166-173 '61.
Dynamics of blood serum protein fractions in myocardial infarction. E. L. Belinaeva. Vop. pat. krovi i krovoobr. no. 6:151-158 '61.
Dynamics of total protein and protein fractions of the blood serum of newborn calves in various forms of dyspepsia. V. K. Chernukha. Visnyk sil'skop. nauky 6 no. 2:83-86 F '63.
Effect of oxygen on the binding of dyes by proteins during irradiation. T. E. Pavlovskaya, A. G. Pasyunskii. Dokl. AN SSSR 149 no. 4:976-978 Ap '63.
Effect of the somatotrophic hormone on the changes of blood protein fractions in experimental liver cirrhosis. L. A. Alimova. Vop. biol. i kraev. med. no. 3:207-211 '62.
Electrophoretic investigation of the proteins of blood serum in mammals, mainly in rodents [with summary in English]. I. A. Denisova, S. IU, Balakireva, Zaul. zhur. 42 no. 2:268-273 '63.
Electrophoretic studies of blood protein fractions and hemocentrifugation observations in rheumatic fever. O. D. Grigor'eva. Vop. pat. krovi i krovoobr. no. 6: 73-79 '61.
- BLOOD VESSELS—DISEASES**
Vibration disease and the vascular system. V. K. Korlova. Vop. pat. krovi i krovoobr. no. 6:188-204 '61.
- BLOOD VESSELS—SURGERY**
New methods of angioplasty. N. N. Kuznetsov. Trudy Kish. gos. med. inst. 13:3-9 '60.
- BOARDING SCHOOLS**
(see also subdivision under Ukraine)
Ogorodnov, D. E., and T. V. Ogorodnova. [Music education in the boarding school] Opyt muzykal'nogo vospitaniia v shkole-Internate. Leningrad, Ucheptdgtz, 1962. 104 p.
School of progressive pedagogical experience. I. M. Lashko. Itd. shk. 41 no. 2:100-101 F '63.
Training of boarding school teachers. K. G. Matveeva. Sov. podag. 27 no. 2:83-90 F '63.
- BOARDING SCHOOLS—DESIGNS AND CONSTRUCTION**
Some problems of the design of boarding schools. V. V. Smirnov. Izv. vys. ucheb. zav.; stroi. i arkhit. 6 no. 2: 102-111 '63.
- BOATBUILDING—BIBLIOGRAPHY** see Bibliography—Boatbuilding
- BOBYL' (THE WORD)**
Term "bobyi" in the historical sources of the 17th century; based on the archival materials of the Kirillo-Bezherskii Monastery. A. Kh. Gorfinkel'. Trudy IOI AN SSSR no. 5:640-647 '63.
- BOCQUET, GEORGES**
Leger, Fernand. [Fernand Leger, Georges Bocquet, Nadezhda Leger; exhibition catalog] Fernand Leger, Zhorzh Bok'e, Nadezhda Leger; katalog vystavki. [Moskva, Iskusstvo] 1963. 70 p. illus. (Test in Russian and French)
- BODY FLUIDS**
Determination of the volume of aqueous media in the animal organism. P. N. Karimova. Zdrav. Turk. 2 no. 6:32-35 N-D '58.
- BODY OF REVOLUTION**
Vertical pouring of castings in the form of bodies of revolution. M. M. Milinaev, IU, A. Zhuchakov. Lit. protzv. no. 1:37-38 Ja '63.
- BODY TEMPERATURE**
Changes in skin temperature in the region of an upper jaw fracture. V. A. Petrenko. Probl. stom. 6:301-363 '62.
Thermographic observations in pulmonary tuberculosis. E. N. Kur'ianova-IAchenko. Vop. pat. krovi i krovoobr. no. 6:182-185 '61.
- BODY TEMPERATURE—REGULATION**
Thermoregulation disorders in rheumatic fever and focal infections. R. S. Ivanov. Vop. pat. krovi i krovoobr. no. 6:113-121 '61.
- BOILER INSPECTION**
Urgent objectives of boiler inspectors. A. M. Kondrashev. Bezop. truda v prom. 7 no. 3:1-3 Mr '63.
- BOILERS**
(see also subdivision under Davly region; Taganrog)
Burning of gas in a furnace with low-pressure stoked burners. M. T. Kruk, T. B. Unton. Energetik 11 no. 4:9-11 Ap '63.
Burning of liquid fuels in combustion chamber. A. D. Gorbelenko and others. Teploenergetika 10 no. 4:44-49 Ap '63.
Deaerating bubbling system of a condenser. K. A. Bilinov, G. V. Mkolosov, N. I. Polianskii. Energomashinostroyeniye 9 no. 1:23-25 Ja '63.

BOILERS (Continued)

- Device for automatic determination of incomplete chemical combustion and correction of the fuel-air balance. B. G. Sinakevich. Elek. sta. 34 no. 3:26-28 Mr '63.
- Diagrams for connecting cast iron feed-water economizers. E. M. Romanova, A. V. Chubarova. Energomashinoostroenie 9 no. 2:13-16 F '63.
- Effect of polydisperse substances on the yield of the liquid phase in boiling. V. G. Gleim, E. M. Lavrova. Teploenergetika 10 no. 4:55-57 Ap '63.
- Experience in the design and planning of open and semi-open type boiler houses in the canning industry. R. IA, Kerman, Kone, Sov. prom. 18 no. 3:5-11 Mr '63.
- Heat transfer to liquids boiling in pipes with large volume. I. T. Alad'ev. Teploenergetika 10 no. 4:57-61 Ap '63.
- Improvement of the ShB-A5 boiler. M. IA, Khinkis. Energetik 10 no. 6:12-14 Je '62.
- Increase in the evaporative capacity of TaKTI 75-39F boilers. IA, I. Dul'ko. Energetik 10 no. 6:10-12 Je '62.
- Inertial-precipitation chamber designed to prevent ash wear of feed-water economizers. S. N. Rotenberg, K. M. Slousheher. Elek. sta. 34 no. 3:17-20 Mr '63.
- Methodology for calculating and designing centrifugal jets for atomizing fuel oils. Z. I. Geller, M. IA, Moroshkin. Teploenergetika 10 no. 4:87-91 Ap '63.
- Nomenclature on boilers manufactured by different boiler factories. Energetik 11 no. 2:39-40 F '63.
- Operation of the BKZ-75-39-FB boilers on natural gas. V. M. Nikulin. Energetik 11 no. 4:7-9 Ap '63.
- Operational reliability of small boilers operating on natural gas. V. P. Artem'ev. Energetik 11 no. 4:5-7 Ap '63.
- Rebuilding of the framework of a steam boiler. E. M. Zaikind, I. S. Paper, IU. A. Kharkin. Elek. sta. 34 no. 3:39-43 Mr '63.
- Redesigning of a reducing and cooling system with 40/10 atm. ratings. V. S. Rokitin. Energetik 11 no. 2:12-13 F '63.
- Regulation of the combustion of natural gas and fuel oil in large boilers. A. K. Vnukov. Elek. sta. 34 no. 3:9-12 Mr '63.
- Removal of dust from the housing of a pulverized coal feeding device operating on compressed air. V. S. Demidov, P. F. Tsybul'skii. Energetik 11 no. 4:11 Ap '63.
- Removal of pent ash from flue gases. N. I. Davidovich, A. V. Shamin. Energetik 11 no. 4:15-17 Ap '63.
- Rusinkovskii, IU. P., and M. A. Kaplan. [Automatic control of gas-fired boiler rooms] Avtomatizatsiia gazifikatsionnykh kotelnits, Kiev, Gostekhnizdat USSR, 1963, 115 p.
- Stability and degree of oscillatory conditions in the fuel supply and feed water regulating systems of once-through type boilers. I. I. Aizenshtat. Teploenergetika 10 no. 4:31-35 Ap '63.
- Study of transient processes in a once-through type boiler with supercritical parameters. A. I. Shvarts and others. Teploenergetika 10 no. 4:35-41 Ap '63.
- Twentieth anniversary of the power machinery construction faculty of the Moscow Power Engineering Institute of the Order of Lenin. A. P. Kovalev. Energomashinoostroenie 9 no. 2:42 F '63.

BOILERS—BIBLIOGRAPHY see Bibliography—Boilers

BOILERS—CLEANING

- Concerning the flushing of boilers with acid. D. IA, Kagan. Energetik 11 no. 2:31-32 F '63.

BOILERS—COST OF OPERATION

- How can we lower the cost of operating house boilers? G. Burshteln. Zhil.-kom. khoz. 13 no. 3:8-9 Mr '63.

BOILERS—SAFETY APPLIANCES

- Leverless self-resetting safety valve. V. Varfolomeev. Zhil.-kom. khoz. 13 no. 1:25 '63.

BOILERS—TESTING

- Results of testing SU-20-39 boilers with PMZ-LTaR furnaces. E. V. Nechaev. Energomashinoostroenie 9 no. 1:15-10 Ja '63.

BOILERS, MARINE

- Automatic control of marine power plants. S. N. Dranitsyn. Inform. sbor. TSNIMF no. 69 Tekh. eksp. mor. flota. no. 12:3-12 '61.
- Characteristics of boiler and evaporator units on "Dzhankoi"-type ships. A. K. Gol'denton. Inform. sbor. TSNIMF no. 73, Tekh. eksp. mor. flota. no. 13:53-62 '62.
- Characteristics of the power plant on the tank vessel "Dzhuzeppe Garibaldi." L. E. Landa, IU. M. Bukhalin. Sudostroenie 28 no. 1:30-38 Ja '63.
- Design of the blading in air nozzles for mazut burners and determination of the air flow characteristics. M. I. Sidorov. Inform. sbor. TSNIMF no. 69 Tekh. eksp. mor. flota. no. 12:92-102 '61.

BOILERS, MARINE—CORROSION

- Analysis of causes of corrosion and methods of increasing the reliability of heating surface tail ends in steam boilers burning sulfurous mazut. Inform. sbor. TSNIMF no. 69 Tekh. eksp. mor. flota. no. 12:13-33 '61.

BOILERS, MARINE—TESTING

- Results of testing boiler and evaporator plants on "Mikhail Kalinin"-type ships. A. K. Gol'denton. Inform. sbor. TSNIMF no. 69 Tekh. eksp. mor. flota. no. 12:46-56 '61.

BOLIVIA—ECONOMIC GEOGRAPHY

- Gal'n, IU. P. [Bolivia] Boliviya. Moskva, Geografiz, 1962, 61 p. (U karty mira)

BOLLWORM—BIOLOGICAL CONTROL see subdivision under Andizhan Province

BOL'SHAIA GLUSHITSIA DISTRICT—AGRICULTURAL ADMINISTRATION

- Fields and farms are the right place for a specialist. V. Meshcherov. Part. zhizn' no. 6:28-29 Mr '63.

BOLSHEVISM see Communism

BOL'SHOY IRLIZ VALLEY—GEOLOGY, STRATIGRAPHIC

- Discovery of outcrops of Upper Cretaceous deposits in the Zhamanshin area (Irgiz River basin in northern Aral Sea region). R. G. Garetskii, S. E. Gorshenin. Dokl. AN SSSR 148 no. 5:1152-1155 F '63.

BOLTS AND NUTS—TESTING

- Function under shearing stress of unfinished bolts made of St. 3, St. 5 and 35GS steel. E. E. Kochergova. Prom. stol. 40 [i.e. 41] no. 3:46-48 Mr '63.

BOMBARDMENT WITH PARTICLES see Collisions (Nuclear physics)

BON INDUSTRIES see subdivision under Moscow

BONCH-BRUEVICH, MIKHAIL ALEKSANDROVICH, 1888-1963

- M. A. Bonch-Bruyevich; on his 75th birthday. V. IU. Roginskii. Izv. vyz. ucheb. zav.; radiotekh. 6 no. 1:109-112 Ja-F '63.

BONDARENKO, IYEVHEN VASYL'OVYCH, 1905-

- Popova, L. G. [Evhen Vasylovych Bondarenko, People's Actor of the U.S.S.R.] Evhen Vasylovych Bondarenko; narodnyi artist SSSR. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962, 38 p.

BONDS, CHEMICAL see Chemical bonds

BONE

- Structural types of the spongy bone tissue of the alveolar processes in normal state and parodontosis. S. A. Valndruk. Probl. stom. 6:42-47 '62.

BONUS SYSTEM

- (see also subdivision under Europe, Eastern; Leningrad Province)

- Bonuses for construction workers. E. Bobkov. Sov. profsoyuzy 19 no. 6:28-29 Mr '63.

BOOK DESIGN

- Lines and images. V. Tirdatov. V mire knig no. 2:41-42 F '63.

BOOK ILLUSTRATION see Illustration of books

BOOK INDUSTRIES

- "Book industry" by G. N. Al'tshul'. Reviewed by F. Georgiev. Sov. knizh. org. 14 no. 2:42 F '63.

BOOKBINDING—MATERIALS, ETC.

- Design of a glue unit. I. I. Gorbachev. Poligr. proizv. no. 2:22 F '63.

- Kuplova, O. B., and L. P. Tikhonova. [Bindings made of polyvinyl chloride; a survey of Russian and foreign literature] Pereplety iz polivinilkloridnoi plastmassy; obzor otechestvennoi i inostrannoi literatury. Moskva, 1960, 53 p. (Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut poligraficheskoi promyshlennosti. Informatsionnye materialy, no. 23)

[MICROFILM]

- New bookbinding materials. P. S. Peshkin, B. V. Tikhomirova, O. S. Shepkina. Poligr. proizv. no. 2:23 F '63.

BOOKPLATES

- Bookplates. E. Minnev. V mire knig 3 no. 4:48 Ap '63.

BOOKS see subdivision under Czechoslovakia

BOOKS FOR CHILDREN see Children's literature

BOOKS ISSUED IN SERIES—BIBLIOGRAPHY see Bibliography—Books issued in series

BOOKSELLERS AND BOOKSELLING

- (see also subdivision under Cherkassy; Enbekshi-Kazakhskiy District; Germany, East; Kazakhstan; Khmel'nitskiy Province; Kuybyshev Province; Leningrad; Lvov Province; Rome; Siberia; Tajikistan; Tiflis; Ukraine; Uzbekistan; Vinnitsa Province; Volodga; Yakutia)

- Among the leaders. Sov. knizh. org. 14 no. 3:19-20 Mr '63.

- Autographed books by mail. V. Tribukhovskii. Sov. knizh. org. 14 no. 2:11 F '63.

- A book is a special kind of merchandise. S. Omarov. Koop. Kazakh. 5 no. 1:50-51 Ja '63.

- Concern for the bookseller; a change in the wage system. Sov. knizh. org. 14 no. 3:1 Mr '63.

- Dates and facts. I. Roikhef'. Sov. knizh. org. 14 no. 3:39-41 Mr '63.

- The director of a store: rights? responsibilities? Sov. knizh. org. 14 no. 2:9-10 F '63.

- First mission. E. Furdik. Sov. knizh. org. 14 no. 2:20-22 F '63.

- The front, college, and books. G. Viktorov. Sov. knizh. org. 14 no. 3:11 Mr '63.

- In the Central Union of Consumers' Cooperatives. Sov. potreb. koop. 7 no. 4:20 Ap '63.

- Legal advice. IU. Boltianskii. Sov. knizh. org. 14 no. 2:43 F '63.

- Let the people's stores take the floor. Sov. knizh. org. 14 no. 2:16-18 F '63.

- More on the order system. M. Fogel'. Sov. knizh. org. 14 no. 3:33 Mr '63.

- Organize the sale of books in rural libraries. A. Govorov. Sov. knizh. org. 14 no. 3:20-23 Mr '63.

- Osipov, V. O. [Belles lettres in bookstores] Khudozhestvennaya literatura v knizhnom magazine. Moskva, Iskustvo, 1961, 93 p. (MH)

- Retail organization and realization. K. Ukolova. Sov. knizh. org. 14 no. 2:35-37 F '63.

- Retired workers operate a store. A. Lebedev. Sov. knizh. org. 14 no. 3:24 Mr '63.

- Rural book trade after the November plenum of the Central Party of the CPSU. G. Al'tshul'. Sov. knizh. org. 14 no. 2:3-5 F '63.

- The summing up. Sov. knizh. org. 14 no. 3:14-16 Mr '63.

BOOT AND SHOE INDUSTRY see Shoe industry

BOOTS AND SHOES

- (see also subdivision under Pskov)

- Expedient distribution of holes in shoe lasts. A. V. Alekseev, E. A. Dubinskii. Kozh.-obuv. prom. 5 no. 3:28-29 Mr '63.

- Plantography of the foot during raising of the heel. N. K. Koshnir. Izv. vyz. ucheb. zav.; tekhn. leg. prom. no. 1:97-107 '63.

BOOTS AND SHOES—DICTIONARIES

- Ramm, S. N., G. A. Litch, and L. D. Mogilevskii. [Czech-Russian leather and shoe dictionary] Cechoslovenskii kozhovenno-obuvnoi slovar'. Moskva, Glav. red. inostr. nauchno-tekhn. slovarai Fizmatgiz, 1962, 136 p.

BORAZINE

- Organoboron compounds. Report No. 115; Polycondensation of B-alkyl mercapto derivatives of borazole with hexamethylenediamine and diols. B. M. Mikhailov, A. F. Galkin. Izv. AN SSSR, Otd. khim. nauk no. 4:641-645 Ap '63.

BORINE

- Organoboron compounds. Report No. 116; Reactions of polymers of alkyl mercapto boranes with unsaturated compounds. B. M. Mikhailov and others. Izv. AN SSSR, Otd. khim. nauk no. 4:646-651 Ap '63.

BORING

- (see also subdivision under Belogorskiy region, East Kazakhstan Province; Leningorsk region, East Kazakhstan Province; Zyrjanovsk District)

- Drilling blastholes for seismic prospecting abroad. I. K. Kupalov-Iatopolk. Razved. i prom. geofiz. no. 46:34-44 '62.

- More about drilling in frozen ground. N. I. Chikharov. Transp. stol. 13 no. 2:43-44 F '63.

- New ways of drilling holes in mines of the asbestos industry. A. F. Sukhanov and others. Shakht. stol. 7 no. 4:13-15 Ap '63.

BORING MACHINERY

- BASh-160 drilling rig for drilling with a roller bit. Shakht. stol. 7 no. 2:4 of cover F '63.

- BGA1 drilling rig. Shakht. stol. 7 no. 4:4 of cover Ap '63.

- BMN-3A drill. Shakht. stol. 7 no. 4:3 of cover Ap '63.

- Flame drilling of bore holes in frozen ground. B. I. Kamenska. Prom. stol. 40 [i.e. 41] no. 3:36-38 Mr '63.

- The IsK-1 boring unit. P. Biriukov, G. Gaidash. Prom. stol. i inzh. sbor. 4 no. 1:53 Ja-F '63.

- SBMK-5 self-propelled drilling rig. Shakht. stol. 7 no. 2:4 of cover F '63.

BORING MACHINERY—ELECTRIC EQUIPMENT

- Electric lead-in for battery-operated perforators. A. V. Tuchin. Razved. i prom. geofiz. no. 46:126 '62.

BORING MACHINERY—EQUIPMENT AND SUPPLIES see subdivision under Kuznetsk Basin

- BORING MACHINERY—PNEUMATIC DRIVING**
Select the best models of air drills. A. M. Kivman. Shkht. stroi. 7 no. 2:6-9 F '63.
- BORING MACHINERY—TESTING**
Studying the impulse loads in shooting a perforator or core lifter. A. A. Chesnikov, V. D. Koshchenko, L. A. Gorbunenko. Razved. i prom. geofiz. no. 46:118-125 '62.
- BORING MACHINERY—VIBRATION**
Vibration-damping carriages for drilling machines. N. A. Shmarov. Bezop. truda v prom. 7 no. 3:53 Mr '63.
- BORISOGLEBSK REGION (VORONEZH PROVINCE)—BIRDS**
Korol'kova, G. E. [Effect of birds on the abundance of injurious insects; based on studies in wooded-steppe oak forests] Vilianie ptits na chislennost' vrednykh nasekomykh; po issledovaniyam v lesostepnykh dubravakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 124 p. (DIAL)
- BORODINO, BATTLE OF, 1812**
Borodino. G. Boguslavskii. Kul't. i zhizn' 6 no. 9:15-17 '62.
- BORODINO, BATTLE OF, 1812—MEDICAL AND SANITARY AFFAIRS**
People help. A. Nesterenko, I. A. Kodus. Sov. Kras. krest 12 no. 5:6-8 S-O '62.
- BORON**
Effect of boron on yield points in alpha-iron. V. A. Gladkovskii, N. A. Karelin. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:144-146 Ja-F '63.
- BORUS RANGE—ANALCITE**
Anomalous analcime from jadeite rocks of the Borus Range (Western Sayan Mountains) and its origin. M. L. Dobretsov. Geol. i geofiz. no. 12:114-116 '62.
- BOSPORUS, CIMMERIAN (KINGDOM) see Cimmerian Bosphorus (Kingdom)**
- BOSTANDYK DISTRICT—WALNUT**
Means of improving the reproduction of walnut by seed in Bostandyk District. Sh. Kamalov. Vop. biol. i krazv. med. no. 3:32-37 '62.
- BOTANICAL CHEMISTRY see subdivision under Tajikistan**
- BOTANY see subdivision under Moldavia**
- BOTANY—ORGANOGRAPHY**
Graphic determination of the size of plant organs. F. V. Kriukovskii. Vest. sel'khoz. nauk 7 no. 12:126-129 D '62.
- BOTANY—PHYSIOLOGY see Plant physiology**
- BOTANY, MEDICAL—BIBLIOGRAPHY see Bibliography—Botany, Medical**
- BOTTLE WASHING**
Efficient method of bottle washing. I. A. Stepanov. Spirt, prom. 29 no. 2:5-6 '63.
Power balance and some problems of hydrodynamics in the forcing of liquid into a filled bottle. G. S. Kodin. Spirt, prom. 29 no. 2:10-12 '63.
- BOTTLES—TESTING**
Investigating the possibility of applying the vibration frequency method in the inspection and rejection of damaged glass bottles. L. M. Makarevich, V. D. Surkov. Izv. vys. ucheb. zav. fizich. tekhn. no. 1:139-145 '63.
- BOUNDARY VALUE PROBLEMS**
Boundary conditions for the solution of Boltzmann's equation in periodic lattices. G. I. A. Rumyantsev. Atom. energ. 14 no. 4:371-374 Ap '63.
A boundary value problem in optics. D. Z. Avazashvili. Izv. vys. ucheb. zav. mat. no. 2:3-11 '63.
A boundary value problem typifying Carleman's problem. E. G. Khassbov. Izv. vys. ucheb. zav. mat. no. 2:124-133 '63.
Boundary value problems for a Tricomi equation with discontinuous boundary conditions. N. E. Tovmasian. Sib. mat. zhur. 4 no. 2:391-407 Mr-Apr '63.
Conditions for retaining the sign of Green's function in Sturm-Liouville's problem. S. A. Pak. Dokl. AN SSSR 148 no. 6:1265-1267 F '63.
Elliptic boundary value problems depending on a parameter. M. S. Agranovich, M. I. Vishik. Dokl. AN SSSR 149 no. 2:223-226 Mr '63.
Gakhov, F. D. [Boundary value problems] Kraevye zadachi. Izd. 2., perer. i dop. Moskva, Fizmatgiz, 1963. 639 p.
General boundary value problems for elliptic equations with discontinuous coefficients. I. A. Rottberg, Z. G. Sheffer. Dokl. AN SSSR 148 no. 5:1034-1037 F '63.
Numerical implementation of the method of reduction to ordinary differential equations. Z. A. Vlasova. Sib. mat. zhur. 4 no. 2:475-479 Mr-Apr '63.
Solution of a generalized boundary value problem for a system of ordinary differential equations using Cauchy problems. V. E. Shemanskii. Ukr. mat. zhur. 15 no. 1: 101-108 '63.
- Theory of general boundary value problems for parabolic systems. S. D. Eidel'man. Dokl. AN SSSR 149 no. 4:782-795 Ap '63.
Uniqueness of the solution to a boundary value problem for a convex region. S. M. Nikol'skii. Dokl. AN SSSR 148 no. 5:1022-1025 F '63.
- BOURGEOISIE see Middle classes**
- BOXES**
Savkov, E. I. [Methods for calculating the strength of wooden boxes] Metody rascheta na prochnost' dereviannoi lashchichnoi tary. Moskva, Goslesbumizdat, 1962. 72 p.
- BOZHII, MIKHAIL MIKHAILOVICH, 1911-**
Humane art. P. Vladich. Ogonek 41 no. 6:25 F '63.
- BRACHIOPODA, FOSSIL see subdivision under Siberian Platform**
- BRAIN**
Upper part of the parietal lobe of the brain of manted baboons. T. I. Belova. Vop. antr. no. 1:98-105 '62.
- BRAIN—DISEASES**
Some hormonal disorders in organic lesions of the brain of posttraumatic and postinfectious origin. L. I. Salova. Probl. sud. psikh. 11:225-235 '61.
- BRAIN—HEMORRHAGE**
Compound treatment of hemorrhagic encephalitis with ionophoresis of the upper cervical ganglion. Z. M. Salava, Azerb. med. zhur. 40 no. 1:10-15 Ja '63.
- BRAIN—INFLAMMATION see Encephalitis**
- BRAIN—SURGERY**
Effect of exclusion of the globus pallidus on the vestibular function in man [with summary in English]. R. R. Galle. Vest. otorin. no. 4:23-29 '62.
- BRAIN—SYPHILIS**
Reactive states in syphilis of the brain. N. L. Garkavi. Probl. sud. psikh. 11:210-224 '61.
- BRAIN—WOUNDS AND INJURIES**
Clinical aspect and the forensic psychiatric importance of restless states in traumatic lesions of the central nervous system. N. I. Gorunova-Posadova. Probl. sud. psikh. 11:81-98 '61.
Clinical aspect of the late aftereffects of brain injuries. N. K. Bogolepov. Probl. sud. psikh. 11:5-28 '61.
Clinical aspects of the residual states of so-called slight closed cranioencephalic trauma. T. N. Gordova, K. A. Semenova. Probl. sud. psikh. 11:27-49 '61.
Competence of patients with traumatic brain lesions. E. M. Kholodkovskaya. Probl. sud. psikh. 11:110-120 '61.
Correlations of clinical and laboratory studies (as indicated by electroencephalography) on patients with a schizophrenialike syndrome in the late stage of a cranioencephalic trauma. E. S. Gaidal. Probl. sud. psikh. 11:99-109 '61.
Disturbance of cognitive processes in cases of local brain damage. Report no. 3: Disturbance of intellectual operations during destruction of the occipital lobe. A. R. Lurila, E. D. Khomskaya. Dokl. APN 6 no. 6:97-100 '62.
Disturbance of cognitive processes in cases of local brain damage. Report no. 4: Disturbance of the processes of solving arithmetic problems during the destruction of the basal section of frontal lobes. A. R. Lurila, A. I. A. Chumak. Dokl. APN 6 no. 6:101-104 '62.
Dynamics of a "psychopathialike" syndrome of posttraumatic origin according to a catamnestic survey. V. A. Melik-Mkrtichian. Probl. sud. psikh. 11:169-180 '61.
Some variants of schizophrenialike states in a late stage of a cranioencephalic trauma. I. S. Gaidal. Probl. sud. psikh. 11:50-63 '61.
- BRAKES**
Calculating resistance forces in disk clutches and brakes with bushings made of anti-friction material "retinaks." P. G. Orlov. Vest. mashinostr. 43 no. 2:30-33 F '63.
- BRATSLAVA—PRECAST CONCRETE CONSTRUCTION**
Building with a precast prestressed concrete frame. B. Lishtin. Stroitel' arkh. 10 no. 7:26-28 Ji '62.
- BRATSK—CONSTRUCTION WORKERS**
Earthly brothers. B. Kostukovskii. Sov. profsoyuz 10 no. 6:3-5 Mr '63.
- BRATSK HYDROELECTRIC POWER STATION**
A minute before the explosion. B. Semenov. Smena 40 no. 4:15 F '63.
- BRATSK REGION—PILE (CIVIL ENGINEERING)**
Experimental short driven piles for construction in the region of Bratsk. N. N. Leont'ev. Sbor. nauch. trud. LSI no. 37:35-41 '62.
- BRAUDE, IOSIF EFREMOVICH, d. 1963**
Iosif Efremovich Braude; obituary. Energoobrazovatel' 9 no. 2:31 F '63.
- BRAZIL—COMMUNISM**
History of the dissemination of Marxist ideas in Brazil. B. I. Koval'. Vop. ist. 39 no. 3:191 Mr '63.
- BRAZIL—ECONOMIC CONDITIONS**
Sprouts of hope. Vadim Polakovskii. Ogonek 41 no. 11:14-15 Mr '63.
- BRAZIL—HISTORY**
Akademiya nauk SSSR. Institut istorii. [Studies on the history of Brazil] Ocherki istorii Brazili. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1962. 567 p.
- BRAZIL—MUTINY**
Black admiral. V. Vladimirov. Ogonek 40 no. 50:30-31 D '62.
- BRAZIL—POLITICS AND GOVERNMENT**
Aglin, A. N. [The humdrum and struggles of Brazil] Budni i bilvy Brazili. Moskva, Gospolitizdat, 1963. 126 p. (Latinskaya Amerika segodnia)
- BRAZIL—SOCIAL CONDITIONS**
Aglin, A. N. [The humdrum and struggles of Brazil] Budni i bilvy Brazili. Moskva, Gospolitizdat, 1963. 126 p. (Latinskaya Amerika segodnia)
- BRAZIL—STRIKES AND LOCKOUTS—RADIOBROADCASTING**
The struggle and achievements of radio and television workers. Mario Lago. Vnem. prof. dvizh. no. 1:15-17 Ja '63.
- BREAD**
Effect of the hydrothermal treatment of wheat under a vacuum on its technological characteristics. U. S. Chedevn. Izv. vys. ucheb. zav. fizich. tekhn. no. 2: 45-49 '63.
- BREAM**
Data of a grub and the growth rate of bream. F. D. Mordukhai-Boltovskoi. Biol. i nat. vodokhran. no. 12:41-45 '62.
- BREAST FEEDING**
After birth. I. Strizanokii. Rabotnitsa no. 1:26-27 Ja '63.
- BREMSSTRAHLUNG**
Beta bremsstrahlung and exposure shielding. V. S. Eliseev. Atom. energ. 14 no. 4:405-407 Ap '63.
Scintillation spectrometer for studying the spectral angular distributions of electron bremsstrahlung. O. A. Cherevtenko, A. V. Larichev. Vop. doz. i zauch. ot izluch. no. 1:125-130 '62.
Shape of the bremsstrahlung spectrum near the upper limit [with summary in English]. B. S. Dolzhikova and others. Zhur. eksp. i teor. fiz. 44 no. 3:808-807 Mr '63.
- BREST-LITOVSK, TREATY OF, MARCH 3, 1918 (RUSSIA)**
Chubar'inn, A. O. [The Treaty of Brest-Litovsk] Brotskii mir. Moskva, Gospolitizdat, 1963. 44 p.
- BRICK HOUSES**
One story in six days. Stroitel' 9 no. 3:27-28 Mr '61.
- BRICK INDUSTRY—EQUIPMENT AND SUPPLIES**
Gosin, N. I. A. [Over-all mechanization in seasonal brick plants] Kompleksnaya mekhanizatsiya na sezonnykh kirovnykh zavodakh. Moskva, Gornest-promizdat, 1962. 110 p.
- BRICK WALLS see subdivision under Kiev**
- BRICKS**
Hollow brick. Stroitel' arkh. 10 no. 7:35 Ji '62.
- BRIDGE CIRCUITS**
Karandeev, K. B., and others. [Universal a.c. bridge] Universal'nyi most poromonnogo toka. Moskva, Fizmatgiz, 1963. 116 p. (Informatsii, 1963, 18 p. (Perevod na nauchno-tekhnicheskii i proizvodstvennyi opyt, Tom 35. No. P-58-46/7))
- BRIDGES—DESIGN AND CONSTRUCTION**
(see also subdivision under Kent County, Great Britain; Moscow)
The high reward carries obligations. I. G. Vypov. Transp. stroi. 13 no. 2:20-32 F '63.
Roads over water. Aleksandr Alimov. Sov. Ukr. 12 no. 12:117-138 D '62.
Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Technical specifications SN 200-62 for the design of railroad, road and city bridges and culverts] Tekhnicheskoe ustoylia proektirovaniia zheleznodorozhnykh, avtodorozhnykh i gorodskikh mostov i trub (SN 200-62). Izd. ofitsial'noe. Moskva, Transzheldorizdat, 1962. 327 p.
Under water without caissons. Izobr. i rats. no. 7:2-4 Ji '62.
- BRIDGES—ESTIMATES see subdivision under Azerbaijan**

BRIDGES, CONCRETE

Waterproofing the roadway of a bridge with divinylacetylene lacquer. E. Shil'man, M. Leshchinskii, A. Barin-gol'ts. Prom. stroi. i inzh. soor. 4 no. 1:44-48 Ja-F '63.

BRIDGES, IRON AND STEEL—MAINTENANCE AND REPAIR

Gentlits, E. G. [Maintenance and repair of metal bridges] Soderzhanie i tekushchii remont metalliche-skikh mostov. Moskva, Avtotransizdat, 1963. 35 p. (V pomeshch' rabochemu-mostoviku)

BRILL'S DISEASE see Typhus fever

BRIQUETS

Investigating the process of briquetting a kaolin-alumina charge for the carbothermic production of fused silicon and aluminum. V. P. Okladnikov. Trudy Vost.-Sib. fil. AN SSSR no. 43:82-86 '62.

BRITISH ARTISTS see Artists, British

BRNO, CZECHOSLOVAKIA—HISTORICAL MUSEUMS

Soldier of truth. M. Miringof. Ogonek 41 no. 11:8 Mr '63.

BROMINE

Reaction of bromine with some tetravalent platinum am-
monates. I. U. Kukushkin. Zhur. neorg. khim. 8 no. 4: 823-828 Ap '63.

BRONCHI—WOUNDS AND INJURIES

Perforation of the bronchi in childhood [with summary in English]. Gyorgy Michok, Laszlo Barna, Judit Szabo. Vest. otorin. no. 4:83-87 '62.

BRONCHOSCOPY

Lukomskii, G. I. [Bronchoscopy in a surgical clinic] Bronkhoskopiia v khirurgicheskoi klinike. Moskva, Medgiz, 1963. 275 p. (DNLM)

Perforation of the bronchi in childhood [with summary in English]. Gyorgy Michok, Laszlo Barna, Judit Szabo. Vest. otorin. no. 4:83-87 '62.

BRONCHOSCOPY—EQUIPMENT AND SUPPLIES

Respiratory attachment for bronchoscopy under gas anes-
thesia. Sh. I. Shteinberg. Vest. otorin. no. 4:95-96 '62.

BRONZE—METALLURGY

Using borax in the smelting of BrOS-10-10 bronze. B. F. Teslikov. Lit. proizv. no. 5:38 My '62.

BRONZE AGE

(see also subdivision under Balkan Peninsula; Nikopol' region, Dnepropetrovsk Province; Russia, Southern)

Work of sections of the Institute of Archaeology of the Academy of Sciences of the U.S.S.R. V. I. Markovin, L. M. Krizhevskaya. Krat. soob. Inst. arkheol. no. 92: 105-112 '62.

BROOMS AND BRUSHES

Automatic device for making pile. V. Shcherbak. Zhil.-
kom. khoz. 13 no. 3:15 Mr '63.

BROWN COAL see Lignite

BRUCELLOSIS

Brucellosis poisoning of a family through the milk of a
cow infected with the sheep type of Brucella and the
role of human milk in the transmission of brucellosis in-
fection. P. P. Diachenko, M. I. Miroshnichenko. Sov.
zdrav. kir. no. 1:51-52 Ja-F '63.

BUBNOV, ANDREI SERGEEVICH, 1884-1940

A. S. Bubnov, a tireless fighter for the happiness of
workers. P. M. Kostyba. Ukr. ist. zhur. 6 no. 1:88-
90 Ja-F '63.

UDAPEST—RADIO INDUSTRY

Biography of a plant. Zoltan Gal. Ogonek 41 no. 9:2-3
F '63.

BUDGET

Simplify budget accounting and reports. V. Demchenkov.
Bukhg. uch. 20 no. 2:36-38 F '63.

BUECHNER, GEORG, 1813-1837

Georg Buechner, a German revolutionary democrat.
F. V. Tsan Kai-si (Ts'ang K' ai-hsi). Nauch. dokl.
vys. shkoly; filos. nauki 6 no. 1:98-104 '63.

BUFFING see Grinding and polishing

BUG VALLEY—SLAVIC ANTIQUITIES

Slavic settlements of the eighth and the beginning of the
ninth century in the Southern Bug Valley. P. I. Khavliuk.
Arkheol. sbor. [Erm.] no. 4:116-126 '62.

BUILDING—ABSTRACTS

[Journal of abstracts: Construction and architecture]
Ref. zhur.; Stroi. i arkh. 5 no. 2 '63.

BUILDING—BIBLIOGRAPHY see Bibliography—Building

BUILDING—COLD WEATHER CONDITIONS (see also subdivision under Siberia)

Berezovskii, B. I. [Some special features of construc-
tion in conditions of the Far North] Nekotorye osoben-
nosti stroitel'stva v usloviakh Krasnogo Severa. Izd. 2.,
dop. i perer. Moskva, Gosstroizdat, 1963. 158 p.

Gapcev, V. N. [Problems of accident prevention in
winter construction and assembly] Voprosy tekhniki
bezopasnosti pri proizvodstve stroitel'no-montaznykh
rabot v zimnee vremia. Pod obshch. red. N. A.
Smirnova. Leningrad, Leningr. dom nauchno-tekhn.
propagandy, 1962. 14 p. (Biblioteka stroitel'ia po
tekhnike bezopasnosti, no. 8)

BUILDING—DETAILS

Elements of houses made of three-dimensional blocks.
S. Krotovskii, S. Reznik. Zhil. stroi. no. 2:12-15 '63.

Expansion joints in large-panel buildings. A. Eme'lanov.
Zhil. stroi. no. 2:22-24 '63.

Improve the elements of large-panel buildings. A. Rozen-
feld, V. Kocheshkov. Stroi. i arkh. Mosk. 11 no. 8:
20-21 Ag '62.

New method of fastening balconies on large-panel apart-
ment houses. L. Belousov. Stroi. i arkh. 10 no. 7:
15-16 Ji '62.

Results of the competition to develop wall joints for
large-panel apartment houses. F. Iarmu'nik, A. Shtein-
berg. Stroi. i arkh. 10 no. 7:36-37 Ji '62.

Simple joint for precast elements. E. Nevladomskii.
Sel. stroi. 17 no. 2:24-25 F '63.

Technical progress in design details for buildings.
M. Kamenkovich. Stroi. i arkh. Mosk. 11 no. 8:9 Ag
'62.

We do the finishing work in 16 apartments in nine days.
Stroitel' 9 no. 3:26-27 Mr '63.

What did studies of sealed joints show? A. Eme'lanov.
Na stroi. Ros. 4 no. 1:27-28 Ja '63.

BUILDING—EQUIPMENT AND SUPPLIES

Akademii kommunalnogo khoz. i stroy. Leningradskii
nauchno-issledovatel'skii institut. [Album of machines,
equipment, and instruments for repairing facades]
Al'bom mashin, priborov i instrumentov dlia re-
montno-fasadnykh rabot. Moskva, 1962. 89 p.

Small equipment used in large-element construction.
A. Kopelevich, I. Khachatryan. Zhil. stroi. no. 2:6-8
'63.

BUILDING—PERIODICALS

From the pages of periodicals; February, 1963. Prom.
stroi. 40 [i.e. 41] no. 3:56 Mr '63.

BUILDING—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Germany, East)

Efficiency suggestions. Sel. stroi. 17 no. 2:27 F '63.

Efficiency suggestions. Transp. stroi. 13 no. 2:54 F
'63.

Everyone should have access to advanced experience.
Stroitel' 9 no. 3:10, 22 Mr '63.

From foreign periodicals. Stroi. i arkh. Len. 25
no. 3:30 Mr '63.

From the pages of Soviet and foreign periodicals. Zhil.-
kom. khoz. 13 no. 2:31 '63.

New developments in building practice. V. Konov and
others. Na stroi. Ros. 4 no. 1:7, 11, 14, 18, 26, 30 Ja
'63.

New developments in building technology. S. Savinov.
Zhil. stroi. no. 2:28-30 '63.

Russia (1923- U.S.S.R.) Komitet po delam izobre-
nitel'noy tekhn. [Collection of inventions; construction
and building materials in agriculture] Sbornik izobre-
tenii; stroitel'stvo i stroitel'nye materialy v sel'skom
khoz. i stroy. Moskva, Tsentr. biuro tekhn. informatsii,
1962. 47 p. (Sborniki otechestvennykh izobretenii)

Technical information. Stroi. i arkh. Mosk. 12 no. 2:36
F '63.

BUILDING—TESTING

Valuable books on deformation measurements under
operating conditions. I. F. Bolgov. Prom. stroi. 41
no. 2:63-3 of cover F '63.

BUILDING, BRICK see subdivision under Leningrad

BUILDING, WOODEN

Hrin', I. M. [Wooden elements] Derov'iani konstruktii.
Kyiv, Dorrzhbudvydav URSS, 1962. 237 p.

BUILDING BLOCKS

New machine for the manufacture of wall stones. P. Se-
rep'ev. Sel. stroi. 17 no. 2:15-16 F '63.

BUILDING MACHINERY INDUSTRY see Construction
equipment industry

BUILDING MATERIALS

(see also subdivision under Donetsk; Yakutia;
Yakutsk region)

Akademii stroitel'stva i arkhitektury SSSR. Ural'skii
filial, Chelyabinsk. [Metallurgical slags and their use
in construction] Metallurgicheskie shlaki i primenenie
ikh v stroitel'stve. Pod obshch. red. A. A. Marchen-
ko. Moskva, Gosstroizdat, 1962. 545 p.

"Arbolit", a modern building material. A. I. Ozhogin.
Len. prom. 41 no. 1:18-21 Ja '63.

Arbolit; a new effective building material made of wood
wastes and a cement binding material. P. Ershov,
E. Kobtsev, A. Pervovskii. Stroi. i arkh. Mosk. 12
no. 2:31-32 F '63.

Bathrooms made of particle boards with polymer materi-
als. N. E. Pashchenko, M. IA. Nemlikher, S. M. Evge-
n'eva. Sbor. trud. NIIST no. 12:43-53 '62.

Building materials course should be put on a solid theo-
retical basis. G. I. Cherkasov. Vest. vys. shkoly 21
no. 4:75-76 Ap '63.

[Building materials in the petroleum, petrochemical,
and gas industries] Konstruktsionnye materialy v
neftnoi, neftekhimicheskoi i gazovoi promyshlennosti;
spravochnoe rukovodstvo. [By] G. K. Shreifer i dr.
Moskva, Gostoptekhizdat, 1962. 381 p.

[Building materials] Stroitel'nye materialy. [By] N. A.
Dudnik i dr. Kiev, Gosstroizdat USSR, 1962. 189 p.

Contributions of plastics to construction. Na stroi. Ros.
4 no. 1:15, 23, 29 Ja '63.

Part of a house made of plastic. Stroi. i arkh. Mosk.
12 no. 2:20-21 F '63.

[Plastic building materials] Stroitel'nye materialy iz
plasticheskikh mass. [By] V. A. Vorob'ev, V. V. Korovni-
kova, G. P. Fedoseev. [Moskva] Mosk. rabochii, 1962.
179 p.

Vorob'ev, V. A. [Building materials and products]
Stroitel'nye materialy i detali. 2., izd. rasshirennoe
i perer. Moskva, Gos. izd.-vo "Vysshaya shkola,"
1962. 300 p.

BUILDING MATERIALS—TESTING

Akademii stroitel'stva i arkhitektury SSSR. Institut
stroitel'noi fiziki. [Durability of enclosing and
structural elements; physical bases] Dolgovechnost'
ograzhdatel'skikh i stroitel'nykh konstruktii; fiziche-
skie osnovy. Moskva, Gosstroizdat, 1963. 113 p.

Veselovskii, Yu. P., and B. I. Grasso. [Laboratory
manual for a course on the "Technology of metals and
structural materials"] Laboratornyi praktikum po
kursu "Tekhnologiya metallov i konstruktivnye ma-
terialy." Moskva, Mashgiz, 1962. 150 p.

BUILDING MATERIALS INDUSTRY

Akademii nauk SSSR. Komitet molodykh spetsialistov
na obshchestvennykh nakhalkh. [Checking, controlling,
and improving techniques in the production of building
materials] Kontrol', regulirovanie i sovershenstvo-
vanie tekhnologii v proizvodstve stroitel'nykh materia-
lov. Pod red. N. V. Belova. Moskva, Gosstroizdat,
1962. 168 p.

Chulko, A. V. [Artificial types of stone] Iskusstvenno
kamni. [Moskva] Mosk. rabochii, 1962. 100 p.

[Large-scale production at enterprises of the building
materials industry and the construction industry]
Proizvodstvenno-massovaya rabota na predpriyatiakh
stroitel'nykh materialov i stroitelskikh. [Moskva]
Proizdat, 1962. 108 p.

Optimum capacity of structural elements plants. D. I.
Bellaev. Prom. stroi. 40 [i.e. 41] no. 4:42-46 Ap
'63.

BUILDING MATERIALS INDUSTRY—COSTS

What should be taken as a base? G. A. Iperovich. Plan.
khaz. 40 no. 4:78-79 Ap '63.

BUILDING MATERIALS INDUSTRY—EQUIPMENT AND SUPPLIES

Russia (1923- U.S.S.R.) Komitet po delam izobre-
nitel'noy tekhn. [Collection of inventions; construction
and building materials in agriculture] Sbornik izobre-
tenii; stroitel'stvo i stroitel'nye materialy v sel'skom
khoz. i stroy. Moskva, Tsentr. biuro tekhn. informatsii,
1962. 47 p. (Sborniki otechestvennykh izobretenii)

BUILDING MATERIALS INDUSTRY—SAFETY MEASURES

Bondin, Yu. N. [Handbook on accident prevention for
workers preparing silicate paste at silicate plants]
Pamiatka po tekhnike bezopasnosti dlia rabochikh po
zagotovke silikatnoi massy na silikatnykh zavodakh.
Moskva, Gosstroizdat, 1962. 10 p. (Tekhnika
bezopasnosti v promyshlennosti stroitel'nykh
materialov)

BUILDING RESEARCH—HANDBOOKS, MANUALS, ETC.

[Handbook for construction laboratories] Spravochnik
dlia stroitel'nykh laboratorii. Pod red. B. K. Krav-
tsova. Kiev, Gosstroizdat, 1962. 821 p.

BUILDING STANDARDS see Standards, Engineering

BUILDING TRADES—STUDY AND TEACHING

Contradictions in the most important thing. K. V. Pod-
kopayevskii. Sred. spets. obr. 10 no. 2:35-37 F '63.

Let's raise the training of construction workers to the
level of the seven-year plan requirements. Prof.-tekhn.
obr. 20 no. 3:1-2 Mr '63.

Training of rural construction workers. L. M. Vykozhko,
V. S. Pavlenko, A. I. Petrov. Shkola i proizv. 6 no. 12:
8-15 D '62.

We are training construction workers and fitters.
Kh. Mullazaliev. Prof.-tekhn. obr. 20 no. 3:26-27
Mr '63.

- CARBON DIOXIDE**
Obtaining CO₂ from the waste gases of a welding machine. Strel, truboprov. 8 no. 2:14-15 F '63.
- CARBON DIOXIDE—SPECTRA**
Degree of blackness of carbon dioxide at T = 1000-4000°K. V. N. Soshnikov. Opt. i spektr. 13 no. 4: 582-584 O '62.
- CARBON ISOTOPES**
Interrelationships of plants in a natural community [with summary in German]. L. D. Rakhov. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 1:143-155 '62.
Mechanism of the change in violaxanthin content during the light reaction of chloroplasts. V. S. Saikov. Dokl. AN SSSR 140 no. 6:1412-1414 F '63.
Studying feeding habits of the rotifer Asplanchna by the use of C¹⁴. I. U. I. Sorokin, E. D. Mordukhai-Boltovskoi. Biol. inst. biol. vodokhran. no. 12:17-20 '62.
- CARBON TETRACHLORIDE**
Density, viscosity, and surface tension of carbon tetrachloride and tin tetrachloride. P. P. Pugachevich and others. Zhur. neorg. khim. 8 no. 4:791-798 Ap '63.
- CARBONIUM COMPOUNDS**
Electron acceptor linkage of metal halides and carbonium ions. D. S. Bystryy, B. K. Nazarov. Dokl. AN SSSR 148 no. 6:1335-1338 F '63.
- CARBONYL COMPOUNDS**
Technical synthesis of carbonyl monomers based on Mannich's reaction. M. I. Farberov, G. S. Mironov. Dokl. AN SSSR 148 no. 5:1095-1098 F '63.
- CARBONYL GROUP**
Synthesis of the system 1, 3, 5, 7-tetraketo- α -hydriandene. O. Neiland, M. Vavere. Zhur. ob. khim. 33 no. 3:1044-1045 Mr '63.
3,5-Dinitrobenzoyl hydrazide, a new reagent for a carbonyl group. N. V. Kuznetsov, L. I. Komarova, L. P. Safonova. Izv. AN SSSR, Otd. khim. nauk no. 4:750-752 Ap '63.
- CARDIAC DISEASES** see Heart—Diseases
- CARDIAC GLYCOSIDES**
Gas exchange in patients with blood circulation insufficiency during treatment with olitoriside and Strophanthus infusion. R. M. Muminova. Vop. biol. i kraev. med. no. 3:222-224 '62.
- CARDIOVASCULAR SYSTEM**
Osovetkalo, T. S. M., and K. Kh. Gafurov. [Occupational therapy and the cardiovascular system in mental illnesses with a chronic course] Trudoterapiya i serdechno-sosudistaya sistema pri psikhicheskikh zabolevaniyakh s khronicheskim techeniem. Pod red. F. F. Delengofa. Tashkent, Medgiz UzSSR, 1962, 108 p. (DNLN)
- CARDIOVASCULAR SYSTEM—DISEASES**
Availability of special automobiles at medical first aid stations in Moscow. L. B. Shapiro, N. A. Romodin. Zdrav. Ros. Feder. 7 no. 3:19-21 Mr '63.
Changes in the liver in some diseases of the cardiovascular system. M. A. Chursina. Zdrav. Turk. 6 no. 6: 20-24 N-D '62.
Intoxigenicity and the cardiovascular system. R. I. Remez. Vop. pat. krovi i krovoobr. no. 6:225-228 '61.
- CARDIOVASCULAR SYSTEM—SURGERY**
Ghitescu, Tiberiu. [Problems of experimental vascular and cardiac surgery] Problemy eksperimental'noi sosudistoi i serdechnoi khirurgii. [Bucharest] Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1962, 440 p. (DNLN)
- CARGO HANDLING**
(see also subdivision under Odessa)
Method of loading the cargo from one ship to another, or from the ship to the shore, or from the shore to the ship by using floating watertight containers. I. P. Kostukov, L. N. Nevskii, A. I. Serzhanov. Sbor. izobr. v ryb. prom. za 1959 g. 102-103.
Unit for transferring cargo from one ship to another. A. R. Shipendel'. Sbor. izobr. v ryb. prom. za 1959 g. 103-105.
Volunteer workers are revealing potentialities. Mor. flot 23 no. 3:10 Mr '63.
- CARGO HANDLING—EQUIPMENT AND SUPPLIES**
Loading and unloading of ammonium sulfate. P. Vinnik. Mor. flot 23 no. 3:13-14 Mr '63.
- CARCATURE**
Powerful weapon. P. Reznichenko. Pozh. delo 9 no. 2: 15 F '63.
- CARNALLITE**
Chlorination of titanium dioxide with aluminum chloride in melted carnallite. A. B. Bezukladnikov. Zhur. prikl. khim. 36 no. 3:451-453 F '63.
- CAROTID ARTERY**
Thrombosis of the common carotid artery and internal carotid artery with a fatal outcome after Critt's operation. N. M. Smirnov. Vest. otorin. no. 4:97-99 '62.
- CARPATIAN MOUNTAIN REGION—PEASANT UP-RISINGS**
"The peasant movement in the Carpathian Mountain region in the second half of the 17th and the first half of the 18th century" by V. V. Hrabovets'kyi. Reviewed by S. T. Billets'kyi, I. M. Shekera. Ukr. ist. zhur. 6 no. 1: 148-150 Ja-F '63.
- CARPATIAN MOUNTAINS—DOLOMITE—ANALYSIS**
Chemistry of limestones and dolomites in the Eastern Carpathians. M. Savul, V. I. Anovich. Sov. geol. 6 no. 3: 134-141 Mr '63.
- CARPATIAN MOUNTAINS—LANDFORMS**
Delimitation principles of mountain landforms. K. I. Gerenchuk. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2: 19-25 Mr-Ap '63.
- CARPATIAN MOUNTAINS—LIMESTONE—ANALYSIS**
Chemistry of limestones and dolomites in the Eastern Carpathians. M. Savul, V. I. Anovich. Sov. geol. 6 no. 3: 134-141 Mr '63.
- CARPATIAN MOUNTAINS—NEWTs**
Biology of the Carpathian newt Triturus montandoni Boulenger, 1880 [with summary in English]. V. A. Koshnitsuk. Zool. zhur. 42 no. 2:300-302 '63.
- CARPATIAN MOUNTAINS—ROCKS, IGNEOUS**
Development of volcanicity types as exemplified by the Eastern Carpathians. E. F. Maleev. Dokl. AN SSSR 148 no. 6:1374-1377 F '63.
- CARPATHO-UKRAINE** see Transcarpathia
- CARPENTRY**
Guliyev, V. I. [Automation of the mechanical manufacture of wooden boards and panels based on the modernization of present equipment] Avtomatizatsiya mekhanicheskoi obrabotki stolarnykh plit i shchitov na baze modernizatsii delatvushchego oborudovaniya. Moskva, Tsentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatvatel'skoi promyshl, 1962, 94 p. [MICROFILM]
Zhukov, V. P., P. A. Leont'ev, and Z. V. Khripushin. [Manual for joiners and carpenters] Spravochnik stolara i plotnika. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1962, 271 p.
- CARROTS**
(see also subdivision under Moldavia)
Increasing carrot yields by treating their seeds with X rays and gamma rays before sowing [with summaries in English, German and French]. N. M. Berezina, G. I. Shechbina, R. R. Riza-Zade. Vest. sel'khoz. nauki 7 no. 12:31-33 D '63.
Reoselin, a new glycoside from roots of the roots of Ferula pseudoreoselinum (RGL et Schmalh.) K. Pol. N. P. Kir'yalov, S. D. Movchan. Dokl. AN SSSR 148 no. 5:1081-1084 F '63.
- CARTILAGE**
Electron microscopic examination of the differentiation of cartilage cells in regenerating bone. L. N. Mikhailova. Dokl. AN SSSR 149 no. 2:431-433 Mr '63.
- CARTILAGE—TRANSPLANTATION**
Morphological changes in a rib cartilage in homoplastic implantation into Tenon's capsule [with summary in English]. E. I. Starodubtseva. Otd. zhur. 17 no. 7:416-423 '62.
- CARTOGRAPHY**
Features of editorial work in compiling maps on universal instruments. L. B. Bauk. Geod. i kart. no. 2:54-55 F '63.
- CARTOGRAPHY—BIBLIOGRAPHY** see Bibliography—Cartography
- CARTOGRAPHY—EQUIPMENT AND SUPPLIES**
Some comments on A. V. Shilov's article. V. I. Kazanovich. Geod. i kart. no. 2:65-67 F '63.
- CARTONS** see subdivision under Leningrad
- CARYOCINESIS** see Karyokinesis
- CASE HARDENING**
Combined chemical and thermal treatment of steel. I. V. Grdina, A. F. Sofrosenko. Izv. vys. ucheb. zav.; Chern. met. 6 no. 2:115-119 '63.
Hardening without deformation. P. A. Kafushnikov. Metalloved. i term. obr. met. no. 3:28-33 Mr '63.
Induction case hardening of the teeth of high-module gears, rings and bushings of toothed clutches. I. M. Likhitshtein. Vest. mashinostr. 43 no. 3:63-67 Mr '63.
- CASPIAN SEA—BENTHOS**
Benthos of the northern part of the Caspian Sea after the regulation of the flow of the Volga River [with summary in English]. V. F. Osadchikh. Zool. zhur. 42 no. 2:184-198 '63.
- CASPIAN SEA—HYDROLOGY**
Considerations on methods for calculating the future regime of the Caspian Sea level. B. A. Apollov, S. S. Remizova. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:62-65 Mr-Ap '63.
- CAST IRON**
Mechanism of the effect of preliminary hardening on the graphitization of white cast iron. P. K. Tkachenko. Izv. vys. ucheb. zav.; Chern. met. 6 no. 2:136-141 '63.
Vacuum treatment of gray cast iron. V. P. Migal. Lit. proizv. no. 1:25-26 Ja '63.
- CAST IRON—HARDENING**
Factors accelerating the graphitization of iron-carbon alloys. P. K. Tkachenko. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:120-132 Ja-F '63.
- CAST IRON—METALLOGRAPHY**
Distribution of silicon in the structural components of cast iron. A. I. Iatsenko, N. G. Onada. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:121-128 Ja-F '63.
Effect of antimony on the structure and properties of gray cast iron. I. A. Vashukov and others. Lit. proizv. no. 1:19-22 Ja '63.
Effect of the volume of martensite transformation on the graphitization of white cast iron. I. N. Bogachev, G. B. Davydov. Izv. vys. ucheb. zav.; Chern. met. 6 no. 2: 104-110 '63.
Effect of vacuum and gases on the chemical composition and structure of eutectic gray cast iron. I. V. Kuzmina, V. P. Chernobrovkin. Lit. proizv. no. 6:34-35 My '62.
Effect of vacuuming on the structure and graphitization of cast iron. V. P. Migal. Lit. proizv. no. 2:20-21 F '63.
Investigating the microsegregation of silicon in cast iron with the help of an electron probe. I. A. N. Malinovich, S. B. Maslennikov, T. V. Egorshina. Lit. proizv. no. 1:22-25 Ja '63.
Mutual effect of silicon and phosphorus on their microsegregation in steel and cast iron. I. A. N. Malinovich, T. V. Egorshina. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:138-141 Ja-F '63.
Thermokinetics of graphite formation in gray cast iron. I. N. Bogachev, G. V. Makhunek. Lit. proizv. no. 3:18-20 F '63.
- CAST IRON—METALLURGY**
Coalescence of graphite. A. A. Baranov, I. A. V. Grechyni. Lit. proizv. no. 5:25-28 My '62.
Making roll cast iron in an acid open-hearth furnace. N. D. Chesnokov, V. A. Zverev. Lit. proizv. no. 3:4-7 F '63.
Obtaining high-grade cast iron by double inoculation. A. I. Zorin, B. V. Tsevel'nev. Lit. proizv. no. 2:45 F '63.
Production of antifriction, heat-resistant cast iron by the alloying of ordinary gray cast iron in the ladle. V. N. Kuznetsov, I. F. Krotov. Lit. proizv. no. 5:30 My '62.
- CAST IRON—TESTING**
Criteria for the evaluation of engineering properties of high-strength cast iron. I. O. Tsybin. Vest. mashinostr. 43 no. 3:61-63 Mr '63.
Using the method of face turning for determining the comparative machinability of cast irons. I. A. Brakhsman. Avi. prom. 26 no. 8:38-39 Ag '62.
- CAST IRON PIPE** see Pipe, Cast iron
- CASTING** see Founding
- CATALYSIS**
Catalysis of reactions in the solid phase; the thermal decomposition of ammonium perchlorate in the presence of ferric oxide. P. Solymosi, L. Reveny. Kin. i kat. 4 no. 1:80-86 Ja-F '63.
Catalytic properties of α -U₃O₈ in reactions of dehydrogenation and dehydration; bond energies of carbon, hydrogen, and oxygen with the catalyst. A. A. Tolstolipova, Z. Dudzik, A. A. Balandina. Izv. AN SSSR, Otd. khim. nauk no. 4:616-619 Ap '63.
Comparison of the catalytic activity of semiconductor catalysts with values characteristic of their photoconductivity and its kinetics. V. A. Zhuravlev, V. N. Kul'shik. Kin. i kat. 4 no. 1:109-115 Ja-F '63.
Kinetics of the catalytic exchange of deuterium between water vapor and hydrogen on various surfaces. M. I. Nakhmanovich and others. Dokl. AN SSSR 148 no. 6: 1346-1349 F '63.
Possible interpretation of the compensation effect in some processes. G. I. Likhitshtein. Kin. i kat. 4 no. 1:35-38 Ja-F '63.
Sukhanov, V. P. [Catalytic processes in petroleum refining] Kataliticheskie protsessy v neftepererabotke. Moskva, Gosoptokhizdat, 1963, 271 p.
- CATALYSIS—CONGRESSES**
Conference on the catalytic reactions in the liquid phase. O. N. Temkin and others. Kin. i kat. 4 no. 1:168-174 Ja-F '63.
- CATALYSTS**
Chemical transformations and phase transitions of a zinc-chromium catalyst of methanol synthesis. I. A. V. Zhigailo and others. Khim. prom. no. 1:20-34 Ja '63.
Effect of the conditions of the reaction on the synthesis of 1-nitromethyl-1-cyclohexanol. G. V. Shemshurenko, V. I. Burmistrov. Zhur. prikl. khim. 36 no. 2:431-435 F '63.

CATALYSTS (Continued)

Effect of the regeneration and activation of alumina-chromia catalysts on their texture and the degree of surface hydration. A. M. Rubinshtein, K. I. Slevetskaya, T. R. Bueva. *Kin. i kat.* 4 no. 1:139-142 Ja-F '63.
Our brigade. L. N. Oleinikova. *Neftianik* 8 no. 1:6 Ja '63.

CATALYSTS, NICKEL

Sequence of reactions in the process of hydrogenation of piperylene on a skeletal nickel catalyst. L. Kh. Freidlin and others. *Kin. i kat.* 4 no. 1:128-133 Ja-F '63.

CATHODE RAY OSCILLOGRAPH

Attachment to an oscilloscope for observing transistor characteristics (from "Electronics World," May 1962). *Radio* no. 4:59 Ap '63.

Burdin, V. F. [Device for measuring step-wise changes in capacitance. Four-channel commutator with an electronic oscillograph] *Izmeritel' skachkoobraznykh izmeneniy emkosti. Chetyrehkanal'nyi kommutator k elektronnyy oscillografam.* [By] V. V. Rudakov i G. I. Novikova. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36, No. P-58-78/13)

Sokolik, A. I., and others. [High-voltage OK-10M oscillograph system] *Vysokovol'tnaya oscillograficheskaya ustanovka OK-10M.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35, No. P-58-26/2)

Stroboscopic oscillograph for monitoring nanosecond pulse signals. M. E. Gluchkovskii. *Izv. vys. ucheb. zav. i radiotekh.* 6 no. 1:3-14 Ja-F '63.

CATHOLIC CHURCH—SOCIAL POLICY

Social demagoguery of the clericals. L. Volkovich. *Nauka i rel.* 4 no. 3:27-30 Mr '63.

CATS—DISEASES AND PESTS

Pathologic states of the paratenium in cats. T. G. Gol'dova, N. V. Lushchenko. *Probl. stom.* 6:25-26 '62.

CATTLE see subdivision under Buryat A. S. S. R.

CATTLE—FEEDING AND FEEDS see subdivision under Ukraine

CATTLE BREEDING see subdivision under Azerbaijan

CAUCASUS—CAVES

Explorations of the Akhshtyr' cave in 1961. M. Z. Panichkina, E. A. Vekilova. *Krat. soob. Inst. arkeol.* no. 92:37-42 '62.

CAUCASUS—CLANS AND CLAN SYSTEM

"Patronymic" social groups among the peoples of the Caucasus [in Armenian with summary in Russian]. M. O. Kosven. *Ist. filol. zhur.* no. 1:93-106 '63.

CAUCASUS—ETHNOLOGY

"Collection of Caucasian ethnographical studies." Vol. 3. Reviewed by G. Sergeeva, N. Volkova. *Sov. etn.* no. 1: 153-157 Ja-F '63.

CAUCASUS—GEOLOGICAL SURVEYS

Mountaineers go in search of ores. V. Arsen'ev. *Sov. Soluz.* no. 12:13-15 '62.

CAUCASUS—GEOLOGY, STRATIGRAPHIC

Hatases in the Lower and Middle Jurassic of the western Caucasus. K. O. Restovtsov. *Dokl. AN SSSR* 149 no. 4:938-941 Ap '63.

CAUCASUS—HACKBERRY

Caucasian *Celtis* species in nature. A. A. Mavzhudov. *Vop. biol. i kraev. med.* no. 3:88-91 '62.

CAUCASUS—HUMIDITY

Determining the quantity of condensed water in the high-mountain areas of the Greater Caucasus. V. III. Ruzheinskaya. *Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu* no. 5:109-119 '60.

CAUCASUS—MOUNTAINEERING

Three meters from the abyss. *Sov. Soluz.* no. 2:31 '63.

CAUCASUS—PHYSICAL LABORATORIES

TSkhra-TSkhro space laboratory. IU, Rybinskii. *NTO* 5 no. 2:60-61 F '63.

CAUCASUS—ROCKS, IGNEOUS

Barsuk, A. M. [Petrology of Mesozoic igneous complexes in the western extremity of the Greater Caucasus] *Petrologiya mezozoiskikh magmaticheskikh kompleksov zapadnogo okonchaniya Glavnogo Kavkazskogo khrebita.* Moskva, Izd-vo Akad. nauk SSSR, 1963. 156 p. (Akademiya nauk SSSR, Institut geologii rudnykh mestorozhdenii, petrologii, mineralogii i geokhimii. Trudy, no. 86)

CAUCASUS—STONE AGE

Explorations of the Akhshtyr' cave in 1961. M. Z. Panichkina, E. A. Vekilova. *Krat. soob. Inst. arkeol.* no. 92:37-42 '62.

CAUCASUS—WINTER SPORTS

Winter vacations. A. Sidorenko. *Sov. Soluz.* no. 1:34-35 '63.

CAUCASUS, NORTHERN—DWELLINGS—DESIGN AND CONSTRUCTION

Titov, A. V. [Housing construction and local natural climatic conditions] *Zhiliishchnoe stroitel'stvo i mestnye prirodno-klimaticheskie uslovia; voprosy proektirovaniya i stroitel'stva zhiliishch na Severnom Kavkaze.* [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1961. 134 p.

CAUCASUS, NORTHERN—GAS, NATURAL

Dorogochinskii, A. Z., and others. [Oil gases in the Chechen-Ingush and other economic regions of the Northern Caucasus] *Neftnyye gazy Checheno-Ingushskogo i drugih ekonomicheskikh rayonov Severnogo Kavkaza.* [Grozny] Checheno-Ingushskoe knizhnoe izd-vo, 1960. 269 p. [MICROFILM]

CAUCASUS, NORTHERN—GEOLOGY, STRUCTURAL

Recent data on the composition and stage variations of Mesozoic deposits of southwestern Caucasasia. N. V. Logvinenko, G. V. Karpova, V. G. Kosmachev. *Dokl. AN SSSR* 148 no. 6:1370-1373 F '63.

CAUCASUS, NORTHERN—HISTORY

Smirnov, N. A. ["Muridam" in the Caucasus] *Mturi-dam na Kavkaze.* Moskva, Izd-vo Akad. nauk SSSR, 1963. 241 p.

CAUSATION

Musabaeva, N. A. [Problem of causation in philosophy and biology] *Problema prichinnosti v filosofii i biologii.* Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 202 p.

CAVE DRAWINGS

(see also subdivision under Khakass Autonomous Province)

Treasure caves. A. Varshavskii. *Znan. sifa* 38 no. 2: 38-41 F '63.

CAVES see subdivision under Caucasus; Sochi

CAVITATION

Cavitation in the cooling system of a motor-vehicle engine. S. M. Podolskii. *Avi. prom.* 28 no. 8:12-14 Ag '62.

Pernik, A. D. [Problems of cavitation] *Problemy kavitatsii.* [Leningrad] Sudpromgiz, 1963. 334 p.

CELANDINE

Use of celandine in the treatment of the inflammatory form of parodontosis. S. I. Frankovskaya, A. I. Marichenko, N. N. Skurskaya. *Probl. stom.* 6:103-108 '62.

CELL METABOLISM

International Congress of Biochemistry. 5th, Moscow, 1961. [Intracellular respiration: phosphorylation and nonphosphorylation oxidation reactions; symposium V] *Vnutrikletchnoe dykhanie; fosforiliruushchie i nefosforiliruushchie reaktsii oksidentii; simposium V.* Moskva, Izd-vo Akad. nauk SSSR, 1962. 439 p. (Ist. Trudy)

CELL NUCLEI

Application of the methods of tissue incubation in vitro to the study of mammalian karyotypes. N. P. Bochkov, L. S. Nemtseva. *TSitologiya* 4 no. 3:365-367 My-Je '62.

CELL NUCLEI—TRANSPLANTATION

Methods of the transplantation of nuclei in amoebae. A. L. Iudin. *TSitologiya* 4 no. 3:361-365 My-Je '62.

CELLS

A comparative study of the microscopic and ultramicroscopic structure of cells of the yeasts *Saccharomyces vini* and *Rhodotorula glutinis* [with summary in English]. M. N. Meisel' and others. *Mikrobiologiya* 31 no. 6: 1011-1017 N-D '62.

Ultraviolet fluorescence of cells in rat lymphosarcoma. I. A. Barakli, I. E. Brumberg. *TSitologiya* 4 no. 3: 328-330 My-Je '62.

CELLULAR PATHOLOGY see Pathology, Cellular

CELLULOSE

Internal surface and capillary structure of crude and mercerized cotton cellulose. N. I. Kienkova, G. P. Ivashkin. *Zhur. prikl. khim.* 36 no. 2:398-408 F '63.

Methods of analysis of carboxymethylcellulose ethers. I. M. Timokhin, M. Z. Finkel'shtein. *Zhur. prikl. khim.* 36 no. 2:415-423 F '63.

Sodium carboxymethylcellulose as a binding agent in the preparation of tablets. S. A. Nosovits'ka, I. E. Borzunov, R. M. Safulin. *Farmatsev. zhur.* 17 no. 4: 6-8 '62.

CELLULOSE-DECOMPOSING BACTERIA see Bacteria; Cellulose-decomposing

CEMENT—SPECIFICATIONS

Basis for the selection of optimum compositions of stressing cement for mine supports from self-stressed reinforced concrete. V. A. Potashnikov. *Fiz.-mekh. svois., dev. i razr. gor. porod* no. 1:210-220 '62.

CEMENT—STORAGE

Cement storage silo for cement. V. Tairov, G. Chernenko. *Stroi. i arkhitekt.* 10 no. 7:17-19 Ji '62.

CEMENT PLANTS—DESIGN AND CONSTRUCTION

New type of cement plant. M. IA. Rozenfeld, I. M. Sapgir, L. A. Shapovalov. *Stroi. i arkhitekt. Len.* 25 no. 3: 32-34 Mr '63.

CENSORSHIP see subdivision under United States

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL EUROPE—DOLICHOPODIDAE

"Genital appendages in Dolichopodidae of Central Europe" [in German] by W. Buchmann. Reviewed by E. S. Smirnov. *Zool. zhur.* 42 no. 2:312-313 '63.

CENTRIFUGAL CASTING

Centrifugal casting of shaped parts. L. S. Konstantinov, IU Chuan'-tszin' [Yu Chuan'-chin]. *Lit. proizv.* no. 5: 5-7 My '62.

Obtaining shaped castings by centrifugal methods. I. Z. Ioginov, V. I. Petrovskii, I. D. Chigir. *Lit. proizv.* no. 2:45-46 F '63.

CENTRIFUGAL PUMPS

Conversion of characteristics of centrifugal pumps. S. A. Filippovich. *Vest. mashinost.* 43 no. 2:43-45 F '63.

CENTRIFUGES—TESTING

Comparative testing of dewatering centrifuges. I. M. Litmanovich and others. *Koks i khim.* no. 3:11-14 '63.

CERAMIC MATERIALS

The ceramic industry should have local raw materials. K. K. Poliakov. *Stek. i ker.* 20 no. 4:28 Ap '63.

Rate of evaporation and vapor pressure of carbides, silicides, nitrides and borides [with summary in English]. V. V. Fesenko, A. S. Bolgar. *Porosh. met.* 3 no. 1:17-25 Ja-F '63.

Theory of crystallization of thermoplastic slips in casting and cooling processes. P. P. Budnikov, N. V. Shishkov. *Zhur. prikl. khim.* 36 no. 2:272-283 F '63.

CERAMIC METALS

Mizeri, A. A. [Use of metallic ceramics and capillary lubrication in the repair and modernization of textile machinery] *Primenenie metallokeramiki i kapillarnoi smazki pri remonte i modernizatsii tekstil'nogo oborudovaniya.* Moskva, Rostekhsizdat, 1962. 99 p.

CERAMIC METALS—METALLOGRAPHY

Mikhailova, P. K. [Methods for the structural metallographic analysis of hard alloys] *Metodika struktural'nogo metallograficheskogo analiza tverdykh splavov.* Pod red. K. P. Imshennika. Moskva, Mashgiz, 1962. 38 p.

CERAMIC METALS—TESTING

Effect of cutting conditions on the smoothness of the surface of porous ceramic-metal materials. A. IA. Artyushonov, L. V. Zabolotnyi. *Vest. mashinost.* 43 no. 2:48-51 F '63.

Effect of the speed of applying loads on the strength characteristics of a number of ceramic metals [with summary in English]. V. T. Troshchenko, Porosh. met. 3 no. 1:26-32 Ja-F '63.

Effect of treatment on the strength of extremely hard materials [with summary in English]. A. IA. Artyushonov, E. L. Shvedkov. *Porosh. met.* no. 1:79-82 Ja-F '63.

CERAMIC METALS—THERMAL PROPERTIES

Criteria for the heat resistance of ceramic metals [with summary in English]. G. N. Tretyachenko. *Porosh. met.* 3 no. 1:60-68 Ja-F '63.

CERAMIC PLANTS

How to increase the productivity of wall materials plants. E. Sheinman. *Sel. stroi.* 17 no. 2:26-26 F '63.

CERAMICS

Intensified burning of faience pasts using combined additives. G. V. Kukolev, E. D. Lisovaya. *Stek. i ker.* 20 no. 4:19-22 Ap '63.

Shorman, IA. I. [Production of sanitary structural ceramics] *Proizvodstvo sanitarno-stroitel'noi keramiki.* Izd. 2., perer. i dop. Moskva, Gosstroizdat, 1963. 149 p.

Single firing of porcelain cups. L. G. Reznikov. *Stek. i ker.* 20 no. 4:33-34 Ap '63.

CERAMICS—PERIODICALS

From the pages of foreign periodicals. *Stek. i ker.* 20 no. 4:30-40 Ap '63.

CEREBELLUM—ABSCESS

Diagnostic importance of spontaneous nystagmus in cerebellar abscesses. E. A. Ladyzhenskaya. *Vest. otorin.* no. 4:62-67 '62.

CEREBROSPINAL FLUID

Cerebrospinal fluid in the intoxication of the nervous system with granosan (in the early and late periods of the intoxication). N. D. Mukhtarova. *Sov. zdrav. Kir.* no. 1:8-11 Ja-F '63.

- CESIUM**
Volume recombination in a cesium plasma [with summary in English]. IU. M. Aleksovskii. Zhur. eksp. i teor. fiz. 44 no. 3:840-847 Mr '63.
- CESIUM BROMIDE**
Ternary system sodium bromide - cesium bromide - water. R. G. Samuseva, R. S. Egorova, V. E. Plushchev. Zhur. neorg. khim. 7 no. 7:1666-1669 Jl '62.
- CESIUM COMPOUNDS**
Cesium octarhodanotrate $Cs_4[Th(CNS)_8] \cdot 2H_2O$. A. K. Molodkin, G. A. Skotnikova. Zhur. neorg. khim. 7 no. 7:1548-1551 Jl '62.
- CEŠME, BATTLE OF, 1770**
Krinitsyn, F. S. [The Battle of Cesme] Chesmenskoe srazhenie. Moskva, Voenizdat, 1962. 61 p. (Gerolcheskoe proshloe nashi Rodiny)
- CETACEA—ANATOMY**
Ultrasonic "projector." V. Bel'kovich, A. I. Ablov, I. Un. tekhn. 7 no. 3:76-77 Mr '63.
- CETINA RIVER—HYDROELECTRIC POWER STATIONS**
"Split," the largest hydroelectric power station of Yugoslavia. Nauka i zhizn' 29 no. 12:76-77 D '62.
- CEYLON—COMMERCE—RUSSIA**
Moscow-Colombo; trade on the upgrade. V. Spandar'ian. Sov. Soluz. no. 2:52 '63.
- CHAADAEV, PETR IAKOVLEVICH, 1798-1856**
"P. I. Chaadaev's life, work, and ideology" by P. S. Shkurinov. Reviewed by V. I. Plekhov. Nauch. dokl. vys. shkoly; filos. nauk 6 no. 1:146-148 '63.
- CHAIKOVSKI, PETR IL'ICH, 1840-1893**
Balabanovich, E. Z. [Chekhov and Chaikovskii] Chekov i Chaikovskii. Moskva, Muzgiz, 1962. 52 p.
Conscience. S. Konekov. Ogonek 40 no. 46:18-21 N '62.
Moscow. Gosudarstvennyi tsentral'nyi muzei muzykal'nogo kul'tury. [P. I. Chaikovskii in the reminiscences of his contemporaries] Vospominaniia o P. I. Chaikovskom. Moskva, Muzgiz, 1962. 469 p.
Tumanina, N. [Chaikovskii; his path to mastery, 1840-1877] Chaikovskii; put' k masterstvu, 1840-1877. [Moskva, Izd-vo Akad. nauk SSSR, 1962] 555 p., illus. (NN)
- CHALCONE**
Absorption spectra and halochromism of furan analogs of methoxychalcones and their vinyl analogs. V. F. Lavrushin, S. V. Tsukerman, A. I. Artemenko. Zhur. ob. khim. 33 no. 3:373-383 Mr '63.
- CHALNA—LUMBERMEN**
Lumbermen of Karelia. IU. A. Apchenko. Sov. Soluz. no. 4:32-35 '63.
- CHANCE**
Law of chance. L. Gumilevskii. Tekhn. mol. 31 no. 1:13-19 '63.
- CHAPPUIS, JEAN-CLAUDE, 1749?-1800?**
"Social plan" of Jean-Claude Chappuis [with summary in English, p. 189]. A. R. Ionnian. Nov. i noveish. ist. no. 2:118-132 '63.
- CHARACTER EDUCATION** see Moral education
- CHARKY VALLEY—VEGETATION AND CLIMATE**
Vegetation in the upper Mola (Charky) Valley. L. A. Dobretsova. Nauch. soob. IAFAN SSSR no. 2:78-88 '59.
- CHARVAK HYDROELECTRIC POWER STATION**
Charvak today. V. Skorodumov. Nar. khoz. Uzb. 5 no. 3:38-39 Mr '63.
- CHARVAK RESERVOIR (PROPOSED)—FISHERIES**
Prospects of utilizing the projected Charvak Reservoir for the fishing industry. L. K. Sibirskaya. Vop. biol. i kraev. med. no. 3:150-153 '62.
- CHATKAL RANGE—ROCKS, CARBONATE**
Phenomena of diagenesis and epigenesis in Middle and Upper Devonian carbonate rocks of the Sumar-Boz-butovskii region (southern slope of the Chatkal Range). U. Asanaliyev. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 7:39-51 '62.
- CHATTI** see Hittites
- CHEBYSHEV POLYNOMIALS**
Applicability of Chebyshev polynomials. P. Kh. Derkach. Ukr. mat. zhur. 15 no. 1:85-88 '63.
Lebesgue functions for certain linear approximation methods on a finite interval by ordinary polynomials. N. A. Pogodicheva. Ukr. mat. zhur. 15 no. 1:100-101 '63.
Some remarks on rational-polynomial Chebyshev approximations of functions as compared to segments of factorizations of Chebyshev polynomials [with summary in French]. E. I. A. Remez, V. T. Gavriluk. Ukr. mat. zhur. 15 no. 1:46-57 '63.
- CHECHEN-INGUSH A. S. S. R.—STONE IMPLEMENTS**
First occurrences of Stone Age implements in the Chechen-Ingush A. S. S. R. V. P. Litvin, N. O. Bader, V. I. Markovin. Krat. soob. Inst. arkhcol. no. 92:51-53 '62.
- CHECKERS**
At the checker board. B. Kanfashchik. Uzbekiston 22 no. 2:25 F '63.
- CHEESE**
Investigating the process of cheese ripening with the aid of concentrated food emulsions. N. I. Kozin, I. F. Rodionova. Izv. vys. ucheb. zav. i shk. tekhn. no. 1:50-55 '63.
- CHEKANOVA, NINA IGNAT'EVNA, 1903-**
Her year. Nikolai Bykov. Ogonek 41 no. 9:4-5 F '63.
- CHEKHOV, ANTON PAVLOVICH, 1860-1904**
Balabanovich, E. Z. [Chekhov and Chaikovskii] Chekov i Chaikovskii. Moskva, Muzgiz, 1962. 52 p.
Lakshin, V. I. A. [Tolstoy and Chekhov] Tolstoy i Chekhov. Moskva, Sovetskii pisatel', 1963. 508 p.
- CHEKMAREV, SERGEI, 1910-1933**
To be where you are needed most. Stella Il'icheva. Kul't. i zhizn' 6 no. 12:26-27 '62.
- CHELATES**
Extractibility of inner complex compounds as dependent on the pH of the aqueous phase. Minima on the extraction curves [with summary in English]. I. P. Alimarin, O. M. Petrukhin, IU. A. Zolotov. Zhur. anal. khim. 17 no. 5:544-550 Ag '62.
- CHELYABINSK—CHEMICAL INDUSTRIES**
Searching, always searching. A. Trusov. NTO 5 no. 4:28 Ap '63.
- CHELYABINSK—DISPENSARIES**
Organization of dispensary service for workers of Chelyabinsk industrial establishments. K. P. Odintsova. Zdrav. Ros. Feder. 7 no. 3:22-25 Mr '63.
- CHELYABINSK—IRON AND STEEL PLANTS**
Results of the twenty-year period. I. A. Lubenets. Metallurg 8 no. 4:1-3 Ap '63.
- CHELYABINSK—IRON AND STEEL PLANTS—MANAGEMENT**
Greater participation in industrial management. A. Sukhanov. Metallurg 8 no. 4:6-7 Ap '63.
- CHELYABINSK—LABOR AND LABORING CLASSES—MEDICAL CARE**
Continuity in the work of a factory and a district therapist. L. M. Kaplunovich, A. M. Beschetnova. Zdrav. Ros. Feder. 7 no. 3:35-36 Mr '63.
- CHELYABINSK—ROLLING MILLS**
New developments in rolling mill roll fittings at the Chelyabinsk Metallurgical plant. L. V. Lebedeva. Metallurg 8 no. 4:31-33 Ap '63.
- CHELYABINSK PROVINCE—GAS, NATURAL—GEOLOGY**
Porosity of rocks of the Lias-Rhaetian formation in the Chelyabinsk Basin. N. P. Krasil'nikova. Zap. LGI 44 no. 2:163-168 '62.
- CHELYABINSK PROVINCE—INDUSTRIAL EQUIPMENT**
Expand direct payments for equipment. A. Gol'd. Den. i kred. 21 no. 3:46-49 Mr '63.
- CHELYABINSK PROVINCE—PAYMENT**
Expand direct payments for equipment. A. Gol'd. Den. i kred. 21 no. 3:46-49 Mr '63.
- CHELYABINSK PROVINCE—PETROLEUM GEOLOGY**
Porosity of rocks of the Lias-Rhaetian formation in the Chelyabinsk Basin. N. P. Krasil'nikova. Zap. LGI 44 no. 2:163-168 '62.
- CHEMICAL APPARATUS**
Laboratory equipment for the demonstration of manufacturing processes in chemistry classes. F. V. Kolisnyk. Rad. shk. 41 no. 2:105-108 F '63.
- CHEMICAL BONDS**
Catalytic properties of $\alpha-U_3O_8$ in reactions of dehydrogenation and dehydration; bond energies of carbon, hydrogen, and oxygen with the catalyst. A. A. Tolstopiatova, Z. Dudzik, A. A. Balandina. Izv. AN SSSR. Otd. khim. nauk no. 4:618-619 Ap '63.
Common features of rearrangements with N—N and N—O bond breaking and the formation of the nitrile group. I. I. Grandberg, A. N. Kost, IU. A. Naumov. Dokl. AN SSSR 149 no. 4:838-841 Ap '63.
Equilibrium constants in isotopic exchange as dependent on the bond energy of molecules and atomic mass. A. M. Rozen, A. I. Mikhailichenko. Dokl. AN SSSR 149 no. 6:1354-1357 F '63.
Refraction of certain bonds in organoarsenic compounds. G. M. Kamai, B. D. Chernokha. Dokl. AN SSSR 149 no. 4:850-852 Ap '63.
- CHEMICAL COMPOSITION OF THE EARTH** see Geochemistry
- CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES**
(see also subdivision under Uzbekistan)
Planovskii, A. N., V. M. Rann, and S. Z. Kegan. [Unit operations and equipment of chemical engineering] Protsessy i apparaty khimicheskoi tekhnologii. Izd. 2, dop. i perer. Moskva, Goskhimizdat, 1962. 347 p.
- CHEMICAL EQUILIBRIUM**
Effect of the composition of a melt on a chemical equilibrium concentrations of titanium di- and trichloride. S. I. Skharrenko, S. F. Belov. Zhur. neorg. khim. 7 no. 7:1636-1639 Jl '62.
- CHEMICAL INDUSTRIES**
(see also subdivision under Chelyabinsk; Tula Province; Uzbekistan)
[Building materials in the petroleum, petrochemical, and gas industries] Konstruktsionnye materialy v neflanoi, neftekhimicheskoi i gazovoi promyshlennosti; spravochnoe rukovodstvo. [By] G. K. Shreilber i dr. Moskva, Gosoptekhlizdat, 1962. 381 p.
Concentration and specialization of chemical production. N. Shokin. Vop. ekon. no. 3:15-25 Ag '63.
Great care should be given to large-scale chemistry. Komsom. zhizn' no. 5:2-5 Mr '63.
In the Presidium of the Central Committee of the Trade Union. A. L. Babalan. Neftnik 7 no. 7:25 Jl '62.
Study of coordination between various branches of chemical industry. I. A. Larin. Khim. prom. no. 1:1-10 Ja '63.
- CHEMICAL INDUSTRIES—CONGRESSES**
Conference on automation and mechanization of chemical industries. K. P. Selianin. Khim. prom. no. 1:70 Ja '63.
- CHEMICAL MODELS**
Modeling of the processes of chemisorption in packed columns. V. A. Reutskii, V. V. Kafarov. Khim. prom. no. 1:52-59 '63.
- CHEMICAL PLANTS**
(see also subdivision under Kemerovo; Leningrad District)
Electronic dispatcher. V. Kostelianskyi, I. E. Kurilak. Nauka i zhizn' 12 no. 1:30-41 Ja '63.
- CHEMICAL REACTION, RATE OF**
Determination of absolute rates of chain growth and initiation in anionic polymerization of styrene. Kh. 5 Bagdasarian, A. I. Nepomlatschik. Khim. i tekhn. 4 no. 1:60-66 Ja-F '63.
Emanuel, N. M., and D. G. Knorre. [Course in chemical kinetics; homogeneous reactions] Kurs khimicheskoi kinetiki; gomogennyye reaktsii. Moskva, Gos. izd-vo "Vysshiaia shkola," 1962. 413 p.
Formation of free radicals in the system H_2O_2 . Part I. Tetralin, cyclohexanol, cyclohexanone. E. T. Denisov. Khim. i tekhn. 4 no. 1:53-59 Ja-F '63.
Possible interpretation of the compensation effect in some processes. G. I. Likhatshtein. Khim. i tekhn. 4 no. 1:35-38 Ja-F '63.
Reaction rate constants and the mechanism of reactions of oxygen atoms with methane and ethane. L. I. Avramenko, R. V. Kolomnikova, N. L. Kuznetsova. Izv. AN SSSR. Otd. khim. nauk no. 4:620-627 Ap '63.
Reactions of α -oxides. Part 2: Kinetics of the reaction of ethylene oxide with acetic and monoethoxyacetic acids. N. N. Lebedev, K. A. Gus'kov. Khim. i tekhn. 4 no. 1:116-127 Ja-F '63.
Theory of monomolecular reactions in solids. V. E. Oshorov. Dokl. AN SSSR 149 no. 5:1116-1120 F '63.
- CHEMICAL REACTIONS**
Complexing reactions in the chemical technology of uranium. I. I. Cherniav, G. V. Ellert. Atom. energ. 14 no. 4:383-394 Ap '63.
Effect of temperature on entropy change in chemical reactions. V. A. Kireev. Zhur. ob. khim. 33 no. 3:724-728 Mr '63.
- CHEMICAL REDUCTION** see Reduction (Chemical)
- CHEMICAL RESEARCH**
In the Department of Chemistry. Vest. AN SSSR 33 no. 3:41-44 Mr '63.
- CHEMICAL WARFARE** see subdivision under Vietnam, South
- CHEMICAL WORKERS—EDUCATION AND TRAINING**
Large-scale chemistry should have qualified personnel. V. Krevnevich, L. Podvoiskii, Prof. i tekhn. obr. 20 no. no. 3:3-5 Mr '63.
- CHEMISTRY—BIBLIOGRAPHY** see Bibliography—Chemistry
- CHEMISTRY—PROBLEMS, EXERCISES, ETC.**
Vasilenko, S. I. [Problems and exercises in chemistry] Sbornik zadach i uprazhnenii po khimii. Moskva, Vysshiaia shkola, 1963. 183 p.
- CHEMISTRY—STUDY AND TEACHING**
Laboratory equipment for the demonstration of manufacturing processes in chemistry classes. F. V. Kolisnyk. Rad. shk. 41 no. 2:105-108 F '63.
Large-scale chemistry should have qualified personnel. V. I. Atroshchenko. Vest. vys. shkoly 21 no. 4:18-22 Ap '63.

CHEMISTRY, ANALYTICAL

Conference on the use of extraction in analytical chemistry. O. M. Petrukhin. Zhur. neorg. khim. 7 no. 7:1754-1756 JI '62.

CHEMISTRY, INORGANIC—NOMENCLATURE

Conference on the nomenclature of inorganic compounds. Izv. AN SSSR, Otd. khim. nauk no. 4:776-779 Ap '63.

CHEMISTRY, MEDICAL AND PHARMACEUTICAL

Some remarks concerning the program of pharmaceutical chemistry. N. V. Kurinna, O. F. Pavlenko, Farmatsev. zhur. 17 no. 4:72-73 '62.

CHEMISTRY, MEDICAL AND PHARMACEUTICAL—CONGRESSES

Scientific conference devoted to the 25th anniversary of the Tashkent Pharmaceutical Institute. O. E. Zviagintseva. Zhur. neorg. khim. 8 no. 4:1027 Ap '63.

CHEMISTRY, ORGANIC

"Methods of organic chemistry," by Houben-Weyl. Reviewed by V. G. Tiptsova. Zhur. anal. khim. 17 no. 5: 647 Ag '62.

Tuturina, V. V., and G. P. Slavina. [Organic chemistry and flotation agents] Organicheskaya khimiya i flotatsionnoye reagenty. Moskva, Gosgortekhnizdat, 1962. 187 p.

CHEMISTRY, ORGANIC—SYNTHESIS

Kinetics of diene synthesis involving azodiaryls. N. I. Vasil'ev and others. Zhur. ob. khim. 33 no. 3:734-738 Mr '63.

CHEMISTRY, PHYSICAL AND THEORETICAL

Stability of stationary states of electrolytic systems. A. A. Gokhshtein. Dokl. AN SSSR 149 no. 4:880-883 Ap '63.

CHEMISTRY, PHYSICAL AND THEORETICAL—LABORATORY MANUALS

Dulitskaya, R. A., and R. I. Feldman. [Laboratory work in physical and colloid chemistry] Praktikum po fizicheskoi i kolloidnoi khimii. Moskva, Gos. Izd-vo "Vysshaya shkola," 1962. 338 p.

CHEMISTRY, TECHNICAL

Averbukh, A. A., and K. K. Bogushovskaya. [Chemistry and technical progress] Khimiya i tekhnicheskii progress; material k lektsii. Moskva, Izd-vo "Znanie," 1962. 41 p. (V pomoshch' lektoru)

CHEMISTRY, TECHNICAL—RESEARCH see subdivision under United States

CHEMOTHERAPY

Dzhumayev, V. K. [Antibacterial preparations in surgical purulent diseases] Antibakterial'nye preparaty pri khirurgicheskikh gnoynnykh zabolevaniyakh. Tashkent, Medgiz UzSSR, 1962. 125 p. (DNLM)

CHEPTOLV, EFIM MIKHAILOVICH, 1875-1950

"Here they are, the new people!" A. Zhukova. Ogonek 49 no. 46:24 N '62.

CHERENKOV RADIATION

Radiation from a charged particle flying parallel to the interface of an isotropic and an optically active medium. O. S. Mergel'ian. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 1:111-117 '63.

CHERKASSY—BOOKSELLERS AND BOOKSELLING

First year. A. Buryl. Sov. knizh. torg. 14 no. 3:35 Mr '63.

CHERKASSY PROVINCE—BENTONITE—ANALYSIS

X-ray study of bentonites in the Dashukovskii section of the Cherkassy deposit in the Ukrainian S. S. R. E. G. Kukovskii, A. B. Ostrovskaya. Rent. min. syr. no. 1: 67-74 '62.

CHERKASSY PROVINCE—EDUCATION, ELEMENTARY

Conditions of work in grades 1-4 in Cherkassy and Khmel'nitskiy Provinces. Rad. shk. 41 no. 2:71-72 F '63.

CHERKASSY PROVINCE—PHARMACY

Work of the Cherkassy Pharmacy Administration under new conditions. V. I. Prokopishyn. Farmatsev. zhur. 17 no. 4:50-52 '62.

CHERNIGOV—CIVIL IMPROVEMENT

It happened in Chernigov. . . . N. Chetunova. Ogonek 40 no. 48:30 N '62.

CHERNIGOV PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Shevchuk, M. S. [Helpers of party committees; voluntary participation in ideological work] Pomichnyky partkomiv; z dosvidu ideolohichnoi roboty na hromada'kykh zasadakh. [Kyiv] Kyiv's'ke oblasne knyazhkovogazetne vyd-vo, 1962. 43 p.

CHERNIGOV PROVINCE—TEXTILE FIBERS, SYNTHETIC

Giant on the Desna River. Sov. Soluz no. 2:36-37 '63.

CHERNOVITSY—GEOGRAPHY—STUDY AND TEACHING

Geographical Faculty of Chernovitsy University. A. I. Tokmakov. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2: 59-61 Mr-Apr '63.

CHERNOVITSY—THEATER—MORAL AND RELIGIOUS ASPECTS

Reason against dogma. F. Lavintman. Nauka i rel. 4 no. 3:98-99 Mr '63.

CHERNOVITSY PROVINCE see Bukovina

CHERNOZEM SOILS

(see also subdivision under Ukraine)

Composition of wind erosion deposits from the Chernozems in Stavropol Territory [with summary in English]. P. I. Vorob'ev. Pochvovedenie no. 3:110-113 Mr '63.

Nature of water and temperature conditions of Chernozems in the Onon Lowland, Transbaikalia [with summary in English]. I. I. Lebedeva, E. V. Semina. Pochvovedenie no. 2:58-67 F '63.

CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1889

N. G. Chernyshevskii and N. A. Dobrolubov on the significance of literature in the education of youth. I. K. Golubeva. Sov. pedagog. 27 no. 3:121-130 Mr '63.

CHERRY PLUM see subdivision under Georgia

CHERSONESE (CITY)—COINS, GREEK

Establishing the dates of several coins from Chersonese. K. V. Golenko. Num. i epig. 3:49-55 '62.

CHESS

Chess. Kul't. -pros. rab. 24 no. 3:62-63 Mr '63.

CHESS—TOURNAMENTS

(see also subdivision under Moscow)

Champions of the "Smena" tournament. Smena 40 no. 6:26 Mr '63.

Penetrating start. S. Flor. Ogonek 40 no. 20:26 My '62.

Until the new matches! S. Flor. Ogonek 41 no. 4:27 Ja '63.

CHESS PROBLEMS

Chess. A. Khavin. Znan. ta pratsia no. 1:31 Ja '63.

CHEWING see Mastication

CHIKOVANI, SIMON, 1891-

Thoughts on the banks of the Kura River. Sergo Lomidze. Ogonek 41 no. 2:30 Ja '63.

CHILD STUDY

Attitude of primary grade students to socially useful assignments. Z. F. Mikhailova. Dokl. APN 6 no. 6: 27-30 '62.

"Child psychology" by D. B. Eikonin. Reviewed by O. Kul'chitska. Doshk. vykh. 24 no. 2:42-43 F '63.

Diagnosis of the mathematical abilities of students. V. A. Krutotskii. Rad. shk. 41 no. 1:45-48 Ja '63.

Oduyeva, N. K. [Transition from sensation to thought; the mental development of children] O perekhede ot oschushcheniia k mysl'i; k istorii umstvennogo razvitiia rebenka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 118 p.

Pedagogical guidance of the self-training of the adolescent's will. L. I. Ruvinskii. Dokl. APN 6 no. 6:31-34 '62.

Psychological basis for an individual approach to young boys and girls. Report No. 2: Problem of the prevention of fatigue. A. P. Kravovskii. Dokl. APN 6 no. 6: 23-28 '62.

Role of "object modeling" in the development of visual analysis of forms in preschool children. V. P. Sokolina. Dokl. APN 6 no. 6:93-96 '62.

Teaching and the mental development of students. H. S. Kostluk. Rad. shk. 41 no. 2:17-25 F '63.

CHILDREN

(see also subdivision under Nizhnyi Tagil)

About our Natasha. V. Nazumnevich. Sem'ia i shkola 18 no. 3:40-41 Mr '63.

Notes, reports and brief news. B. Sychev, M. Mironov, I. Kanchlev. Sem'ia i shkola 18 no. 3:33-35 Mr '63.

CHILDREN—CARE AND HYGIENE

(see also subdivision under Latvia; Ukraine)

A child with a pain in his heart. L. A. Shakhnovich. Zdorov'e 0 no. 2:12-13 F '63.

Diary of a mother. Sov. Kras. krest 12 no. 5:28 S-O '62.

How to strengthen children's health. I. Zinov'ev. Sem'ia i shkola 18 no. 3:35 Mr '63.

Korsunskaya, M. L., ed. [Manual on hygiene for children and adolescents] Rukovodstvo po gigenie detei i podroskov. Moskva, Medgiz, 1962. 349 p. (Biblioteka sanitarnogo vracha) (DNLM)

Kunin, S. K. [Preschool hygiene] Doshkol'naya gigena; posobie dlia pedagogicheskikh uchitel'shch. Izd. 3. Pod red. A. P. Chabovskoi. Moskva, Uchpedgiz, 1962. 214 p.

Objective determination of visual acuity in children [with summary in English]. N. I. Shilinskaya. Ott. zhur. 17 no. 7:396-401 '62.

CHILDREN—DISEASES

Frequency of parodontosis and gingivitis in older school children. R. G. Sinitsin. Probl. stom. 6:86-91 '62.

Golosovker, S. I. A. [Skin and venereal diseases in children] Kozmnye i venericheskie bolezni u detei. Leningrad, Medgiz, 1963. 242 p. (DNLM)

Urolithiasis in children. K. I. Kafarov. Azerb. med. zhur. 40 no. 1:26-31 Ja '63.

CHILDREN—GROWTH

Physical development of children in the kindergartens of Kalinin. V. S. Morozova, N. A. Frolova, A. I. Iablouva. Zdrav. Ros. Feder. 7 no. 3:26-28 Mr '63.

Physical development of children suffering from rheumatic fever. V. I. Leont'ev [with summary in English]. Vop. revm. 1 no. 4:67-72 O-D '61.

CHILDREN—HOSPITALS see subdivision under Bayram-Ali; Turkmenistan

CHILDREN—MANAGEMENT

Fundamentals of collectivism are inculcated in the first grade. M. N. Iermolenko. Rad. shk. 41 no. 1:59-61 Ja '63.

CHILDREN, ABNORMAL AND BACKWARD

Data on the developmental anomalies of newborn infants. N. P. Sokolov, A. A. Abdullaeva. Zdrav. Turk. 7 no. 1:11-14 Ja '63.

CHILDREN AND TELEVISION see Television and children

CHILDREN AS ARTISTS

(see also subdivision under Gorkiy)

Where mastership starts. V. Nosova. IUn. tekhn. 7 no. 3:49-50 Mr '63.

CHILDREN SEPARATED FROM THEIR FATHERS see Father-separated children

CHILDREN'S CLUBS

(see also subdivision under Ust'-Kamenogorsk)

Chronicle of a children's club. V. Rishov. Klub 12 no. 12:17-18 D '62.

English club. V. Illesh. Sov. Soluz no. 10:36-39 '62.

Just like the adults. V. Ignatova. Klub 12 no. 12:15 D '62.

With the people and for the people. A. Sintitsyn. Klub 12 no. 12:19 D '62.

CHILDREN'S ENCYCLOPEDIAS AND DICTIONARIES

[Children's encyclopedia for the middle and older groups] Det'skaya entsiklopediia dlia srednego i starshego vozrasta. Moskva, Izd-vo Akad. nauk RSFSR, Vol. 8. [Our Soviet motherland] Nasha Sovetskaya Rodina. 1962. 622 p.

CHILDREN'S LIBRARIES see Libraries, Children's

CHILDREN'S LITERATURE

Discovery of a world. Evg. Osetrov. V mire knig 3 no. 3:28 Mr '63.

Dom Detskoi Knigi. [Books for children; materials to aid teachers, librarians, and pioneer leaders] Knizdatiani; sbornik materialov v pomoshch' uchiteliam, bibliotekariam i pionerskim vozhatym. Moskva, Detgiz, 1963. 96 p. (Shkol'naya biblioteka)

CHILDREN'S LITERATURE—BIBLIOGRAPHY see Bibliography—Children's literature

CHILDREN'S MUSEUMS

Use of museum exhibits in the educational work of schools. P. G. Reznikov. Sov. pedagog. 27 no. 2:78-82 F '63.

CHILE—RUSSIANS

Under a different moon. Wanda Wasilewska. Ogonek 41 no. 12:6-7 Mr '63.

CHILE—WOMEN

A professor from Santiago. Mikhail Kotov. Rabotnitsa 40 no. 6:0 Ja '62.

CHIMKENT PROVINCE—COOPERATIVE SOCIETIES

Our strength lies in contact with the masses. G. Klumala. Koop. Kezakh. 5 no. 1:9-11 Ja '63.

CHIMPANZEES

Physiological mechanisms for determining the complex behavior of anthropomorphic monkeys (chimpanzees). A. I. Schastnyl. Dokl. AN SSSR 149 no. 4:995-996 Ap '63.

CHINA—CLAY see Kaolin

CHINACRIN see Quinacrine

CHINESE LANGUAGE—MACHINE TRANSLATING

Zherebin, V. M. [Certain problems of machine translation from Chinese] Nekotorye voprosy mashinnogo perevoda s kitaiskogo yazyka. Moskva, In-t tochnoi mekhaniki i vychislitel'noi tekhniki Akad. nauk SSSR, 1962. 88 p. (Elektronnye vychislitel'nye mashiny)

CHIRCHIK VALLEY—PLANT COMMUNITIES

Taxonomy of the Chirchik Valley vegetation. N. Ternirbaev. Vop. biol. i kraev. med. no. 3:9-16 '62.

- CHIRONOMIDAE**
(see also subdivision under Kama Reservoir;
Rybinsk Reservoir)
Emergence of Chironomidae (Diptera) from the continen-
tal bodies of water of various climatic zones as a fac-
tor determining the food supply of fishes [with summary
in English]. E. V. Borutskii. Zool. zhur. 42 no. 2:233-
247 '63.
- CHITA PROVINCE—RURAL LIBRARIES**
In the country of a remarkable achievement. A. Pirkin.
Bibliotekar' no. 3:15-17 Mr '63.
- CHKALOV PROVINCE** see Orenburg Province
- CHLORIDES**
Effect of chlorides on the kinetics of gas formation in the
production of air-entrained concrete. E. A. Kruglov and
others. Izv. vys. ucheb. zav. stroit. i arkh. 6 no. 1:
43-48 '63.
Effect of the nature of cations M^+ in MCl on the catalytic
activity of solutions $CuCl - MCl$ during the process of
vinylacetylene dimerization. I. M. Dolgopoli'skii, A. L.
Kiebenskii, Z. F. Dobler. Zhur. prikl. khim. 36 no. 2:
394-398 F '63.
Kinetics of the interaction between acid chlorides and
amines. S. G. Entelis, O. V. Nesterov. Dokl. AN SSSR
148 no. 6:1323-1328 F '63.
- CHLORINATION**
Catalytic chlorination of some cyclohexane hydrocarbons.
S. D. Mekhtiev and others. Azerb. khim. zhur. no. 2:
19-23 '62.
Inflation of the reaction of extensive chlorination of
butane and its chloro derivatives by means of butylene
and divinyl. L. M. Kogan, N. P. Ignatova. Zhur. ob.
khim. 33 no. 3:893-896 Mr '63.
- CHLORINE**
Corrosion protection of shops producing chlorine. V. L.
Vinarskii. Prom. stroit. 40 [i.e. 41] no. 4:35-37 Ap
'63.
Distribution of chlorine in rocks and minerals and its
role in the formation of endogenous iron ores. D. I.
Pavlov. Geol. rud. mestorozh. 5 no. 1:116-123 Ja-F
'63.
Reaction of chlorine with palladium and platinum ami-
nates. I. U. N. Kukushkin. Zhur. neorg. khim. 8 no. 4:
817-822 Ap '63.
- CHLORINE—THERAPEUTIC USE**
Chlorotherapy for dysentery. E. S. Protasevich-Novose-
lova. Trudy Kish. gos. med. inst. 13:109-113 '60.
- CHLORINE COMPOUNDS**
Effect of outer-sphere cations on complex formation be-
tween cadmium and chlorine ions. V. E. Mironov,
V. I. Kul'ba, V. A. Nazarov. Zhur. neorg. khim. 8
no. 4:915-922 Ap '63.
- CHLORITES** see subdivision under Dzhetym-Tau
- CHLOROMETHYLATION**
Chloromethylation of 5-ethyl-2-acetothienone. I. A. L.
Gol'dfarb, I. U. B. Vol'kenshtein. Izv. AN SSSR. Otd.
khim. nauk no. 4:737-742 Ap '63.
- CHLOROPHYLL**
Water content in a- and b-chlorophyll. V. M. Kutlurin,
V. P. Knizev. Dokl. AN SSSR 149 no. 2:456-459 Mr
'63.
- CHLOROPHYLL—ELECTRIC PROPERTIES**
Activation energy of the dark conductivity and photocon-
ductivity of chlorophyll a. A. T. Vartanian. Dokl. AN
SSSR 149 no. 4:812-815 Ap '63.
- CHLOROSIS (PLANTS)**
Characteristics of the growth of roots in healthy and
chlorotic apple trees [with summaries in English, Ger-
man, and French]. N. S. Bogdanova. Vest. sel'khoz.
nauki 7 no. 12:87-91 D '62.
- CHOICE (PSYCHOLOGY)**
Age conditioned differences in the time of sensory-motor
reactions of school children. Report no. 3; Latency of
choice reaction at the rate set by the subject. S. N.
Safarian. Dokl. APN 6 no. 6:85-86 '62.
- CHOLANTHRENE**
Characteristics of tumors originating in the connective
tissue and muscles and produced by intramuscular
administration of 20-methylcholanthrene. Part 1:
Cytological characteristics of tumors in mice and
rats. V. M. Bresler, N. F. Grigor'ova. TSitologiya 4
no. 3:264-275 My-Je '62.
Characteristics of tumors originating in the connective
tissue and muscles and produced by intramuscular
administration of 20-methylcholanthrene. Part 2: Anti-
genic properties of tumors of myogenic origin in rats.
V. I. Fel'd. TSitologiya 4 no. 3:276-280 My-Je '62.
- CHOLERA, ASIATIC—PREVENTIVE INOCULATION** see
subdivision under Rostov
- CHOLESTEROL**
Concerning the treatment of cholestermia. I. L. Maksei-
nova. Trudy Kish. gos. med. inst. 13:123-124 '60.
- CHOLINE**
Monocholine esters of polymethylenedicarbamic acids.
G. G. Tsybaeva. Zhur. ob. khim. 33 no. 3:917-920
Mr '63.
- CHONA VALLEY—ICELAND SPAR**
Dmitriev, I. I. [Trap rocks and Iceland spars of the
Chona Valley (Yakutsk A. S. S. R.)] Trappyy i Islandskii
shpat reki Chony (Yakutsk A. S. S. R.). Moskva, Izd-vo
Akad. nauk SSSR, 1963. 134 p. (Akademika nauk
SSSR. Institut geologii rudnykh mestorozhdenii, petro-
grafii, mineralogii i geokhimii. Trudy, no. 88)
- CHONA VALLEY—ROCKS, IGNEOUS**
Dmitriev, I. I. [Trap rocks and Iceland spars of the
Chona Valley (Yakutsk A. S. S. R.)] Trappyy i Islandskii
shpat reki Chony (Yakutsk A. S. S. R.). Moskva, Izd-vo
Akad. nauk SSSR, 1963. 134 p. (Akademika nauk
SSSR. Institut geologii rudnykh mestorozhdenii, petro-
grafii, mineralogii i geokhimii. Trudy, no. 88)
- CHONDRIOSOMES** see Mitochondria
- CHOREA**
Chorea. V. P. Bislarina. Zdorov'e 9 no. 2:18-19 F
'63.
- CHORUKH-DAYRON REGION—MINERALOGY**
Stages in endogenous mineralization of ore-bearing areas
in the Chorukh-Dayron ore zone. B. V. Kristal'nyi.
Geol. rud. mestorozh. 5 no. 1:36-49 Ja-F '63.
- CHROMATOPHORES**
Mechanism of the change in violaxanthin content during
the light reaction of chloroplasts. V. S. Saakov. Dokl.
AN SSSR 148 no. 6:1412-1414 F '63.
- CHROMEL**
Zubov, I. P. [Stability of the thermal e.m.f.
in chromel-alumel thermocouples in a 300-1000° tem-
perature range] Stabilit'nost' T. E. D. S. khromel'-
alumel'nykh termopar v interval'e 300-1000. Moskva,
Filial Vses. in-ta nauchn. tekhn. informatsii, 1957.
32 p. (Peredovoi nauchno-tekhnicheskii i proizvod-
stvennyi opyt. Tema 34. No. P-57-20/5)
- CHROMIUM**
Separation of trivalent chromium from bivalent iron in
sulfuric acid solutions. D. P. Zosimovich, K. B. Kiad-
nitskaya, N. D. Ivanova. Zhur. prikl. khim. 36 no. 2:
333-338 F '63.
Shluger, M. A., and A. I. Lipin. [Reducing the loss of
chromium anhydride in electrolytic chromium plating.
Chromium plating from a cold tetrachromate electro-
lyte] Umen'shenie poter' khromovogo angidrida pri
elektroliticheskom khromirovani. Khromirovanie iz
kholodnogo tetrakhromatnogo elektrolit. [By] A. I. A.
Riaboi, M. A. Shluger. Moskva, Filial Vses. in-ta
nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi
nauchno-tekhnicheskii i proizvodstvennyi opyt.
Tema 13. No. M-58-203/21)
- CHROMIUM—ANALYSIS**
Chromium distribution between the metal and basic open-
hearth slag. S. I. Sobkin. Izv. vys. ucheb. zav. i chern.
met. 6 no. 2:45-57 '63.
- CHROMIUM COMPOUNDS**
Distortion of complexes $Cr^{3+}(H_2O)_6$ and $Ni^{2+}(H_2O)_6$
and the splitting of the spin levels of Cr^{3+} and Ni^{2+}
owing to the Jahn-Teller effect. V. I. Avvakumov.
Opt. i spekt. 13 no. 4:588-590 O '62.
- CHROMIUM-IRON ALLOYS** see Iron-chromium alloys
- CHROMIUM-NICKEL ALLOYS** see Nickel-chromium
alloys
- CHROMIUM-NICKEL STEEL**
Fetelov, N. A. [Rapid turning of heat-treated chromium-
nickel steel] Skorostnoe tochenie termootbrabotannoi
khromonikel'evoi stali. Moskva, Filial Vses. in-ta
nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi
nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10.
No. M-58-74/12)
- CHROMIUM OXIDES**
Lower chromium oxides in slags of an out-of-furnace
aluminothermic process. A. S. Dubrovlin, L. N. Rusakov.
Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo no. 1:53-
58 Ja-F '63.
- CHROMIUM PLATING**
Arobellidze, A. K. [Improved technology of porous chro-
mium plating] Usovshenstvovanie tekhnologii poristo-
go khromirovani. Moskva, Filial Vses. in-ta nauchn.
i tekhn. informatsii, 1958. 19 p. (Peredovoi nauchno-
tekhnicheskii i proizvodstvennyi opyt. Tema 13.
No. M-58-244/24)
Bogorad, L. A., and B. G. Guikh. [Wear resistant chro-
mium plating with periodic current reversal] Iznosostoi-
kie khromirovani pri periodicheskoi izmenenii napravle-
niia toka. Moskva, Filial Vses. in-ta nauchn. i tekhn.
informatsii, 1958. 23 p. (Peredovoi nauchno-tekhnich-
eskii i proizvodstvennyi opyt. Tema 13.
No. M-58-245-25)
- CHROMIUM PLATING—EQUIPMENT AND SUPPLIES**
Karra, V. I. A. [Performance of chromium plating steel
baths with passivation linings and cathodic protection.
Molybdenum coating of aluminum and its alloys] Rabota
stal'nykh khromovykh vann s primeneniem passivirova-
niia i katodnoi zashchity. Molibdentirovanie aluminia
i ego splavov. [By] A. S. Minin. Moskva, Filial Vses.
in-ta nauchn. i tekhn. informatsii, 1958. 19 p. (Per-
edovoi nauchno-tekhnicheskii i proizvodstvennyi opyt.
Tema 13. No. M-58-265/26)
- CHROMIUM STEEL—METALLOGRAPHY**
Improving the plastic properties of high-chromium
steel. G. A. Khasin, N. A. Ermanovich, K. N. Pribyl-
kova. Metallurg 6 no. 3:27-28 Mr '63.
- CHROMIUM STEEL—METALLURGY**
Economizing chromium in the production of chromium
steel. O. I. Vainshtein and others. Metallurg 6
no. 4:18-19 Ap '63.
- CHROMIUM-TITANIUM ALLOYS** see Titanium-
chromium alloys
- CHROMIUM-TITANIUM-MOLYBDENUM ALLOYS** see
Titanium-chromium-molybdenum alloys
- CHROMOSOME NUMBERS**
Chromosomal set of normal and malignant human cells.
U. Min [Wu Min]. TSitologiya 4 no. 3:281-289 My-Je
'62.
- CHROMOSOMES**
Chemical mutations which do not affect the integrity of
chromosomes. I. A. Rapoport, N. N. Zoz. TSitologiya
4 no. 3:330-334 My-Je '62.
Karyosphere in the oogenesis of a darkling beetle.
M. N. Gruzova. TSitologiya 4 no. 3:335-336 My-Je
'62.
- CHU DEPRESSION—ROCKS, IGNEOUS**
Cover thickness of Paleozoic igneous rocks in the Chu
Depression (Kirghiz S. S. R.). L. N. Vertunov. Izv.
AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 7:103-105 '62.
- CHUCKS**
Boring chucks. A. V. Antropov. Mashinostroitel' no. 2:
25 F '63.
- CHUKCHI**
Some data on the present-day economy and culture of
the Chukchi [with summary in English]. I. S. Vdovin.
Sov. etn. no. 1:39-48 Ja-F '63.
- CHUKCHI NATIONAL AREA—DESCRIPTION AND TRAVEL**
Rokhlin, M. I. [Where the tents were; a geologist's
notebook] Tam, gde byli tarantgi; zapiski geologa.
Moskva, Sovetskaya Rossiia, 1961. 108 p.
(MI)
- CHURCH ARCHITECTURE** see subdivision under
Armenia
- CHURCH PROPERTY**
Religion and communism on property. L. Sytenko.
Volov. atelst 3 no. 3:9-10 Mr '63.
- CHURCH SLAVIC LANGUAGE—GRAMMAR**
Besedina-Nezvorova, V. P. [The Old Church-Slavic
language] Staroslavianskii iazyk. Khar'kov, Izd-vo
Khar'kovskogo univ., 1962. 359 p.
- CHURCHES**
Religion and church abroad. Nauka i rel. 4 no. 3:32-33
Mr '63.
- CHUSOVAYA VALLEY—PALEOBOTANY—QUATERNARY**
Stratigraphic significance of the spore and pollen spectra
of Quaternary sediments in the lower part of the Chus-
ovaya Valley. R. E. Gitterman. Krat. soob. Inst. arkheol.
no. 9:18-23 '62.
- CHUVASHIA—ECONOMIC CONDITIONS**
Chuvashia. A. Eriakov. Sov. Soluz no. 2:10-11 '63.
- CHVANOV, ANDREI NIKIFOROVICH**
When activists get down to business. Voen. znani. 39
no. 2:23 F '63.
- CHYMOTRYPSIN**
Belen'kii, N. G., and L. B. Polonskaya. [Alpha-chymo-
trypsin; the composition, properties and manufacture
of the preparation] Alfa-khimotripsin; sostav, svoystva,
primeneniye i proizvodstvo preparata. Moskva, Vses.
nauchno-iss. in-t miasnoi promyshl., 1962. 88 p.
[MICROFILM]
- CIGARETTE INDUSTRY—EQUIPMENT AND SUPPLIES**
Investigating the clock mechanisms of a machine for the
manufacture of cigarette tubes. I. I. Golovko. Izv. vys.
ucheb. zav. i tekhn. no. 1:108-113 '63.
- CIMMERIAN BOSPORUS (KINGDOM)—INSCRIPTIONS,
GREEK**
Sketch on the history of Greek lapidary script in the Bos-
porus. A. I. Boitunova, T. N. Kul'povich. Num. i epi-
g. 3:3-31 '62.

CIRCUS

Filatov, V. I., and A. B. Aronov. [Bear circus] Medve-zhil tsirk. Moskva, Izd-vo "Iskustvo," 1962. 197 p. On the threshold of a large circus. M. Efimov. Smena 40 no. 1:20-21 Ja '63.

CIRRHOSIS HEPATIS see Liver—Cirrhosis

CITIES AND TOWNS see subdivision under Donets Basin

CITIES AND TOWNS—CIVIC IMPROVEMENT

Trifles? Oh, no! Evgenii Vorob'ev. Ogonek 41 no. 2: 14-15 Ja '63.

CITY PLANNING

(see also subdivision under Baku; Donets Basin; Donetsk; Great Britain; Kronstadt; Leningrad; Moscow; Moscow region; Nikolayev; Pavlovsk; Sheffield; Skadovsk; Tselinograd; Ukraine)

Improving the system of services in residential districts. I. Kastei. Stroi. i arkhitekt. Mosk. 12 no. 3:4-8 Mr '63. Organization of the commercial network in cities. I. Berger. Stroi. i arkhitekt. 11 no. 2:27-30 F '63.

Stramentov, A. E., and V. A. Butlagin. [Planning and improvement of cities] Planirovka i blagoustroystvo gorodov. Izd. 2., perer. i dop. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 507 p.

CITY TRAFFIC

Coordinated organization of the movement of all types of urban passenger transportation. G. Mezentsov. Zhil.-kom. khoz. 13 no. 1:16-17 '63.

CIVIL ENGINEERING

If you are an engineer. K. Ivashova. Zhil.-kom. khoz. 13 no. 3:5-6 Mr '63.

Prefabricated elements for engineering structures. S. Ivanov. Stroi. i arkhitekt. Mosk. 12 no. 2:22-25 F '63.

CIVIL LAW

(see also subdivision under Ukraine)

Korneev, S. M. [Basic principles of Soviet civil law] Osnovy sovetskogo grazhdanskogo prava. Izd. 3., perer. Pod red. V. A. Riasentseva. Moskva, Vsesos. skskie nauchnye uchebnye kursy, 1962. 160 p.

Krasavchikov, O. A. [Soviet science of civil law; concept, subject, structure, and system] Sovetskaya nauka grazhdanskogo prava; poniatie, predmet, sostav i sistema. Sverdlovsk, 1961. 379 p. (Sverdlovsk. Iuridicheskii institut. Uchenye trudy, vol. 6)

[Manual for case studies on the "Soviet law" course] Posobie dlia prakticheskikh zaniatii po kursu "Sovetskoe Pravo." Moskva, Mosk. in-t narodnogo khoz. im. G. V. Plekhanova. No. 1. 1961. 42 p.

Principles of the civil law of the U.S.S.R. and the Union Republics. R. Khaifina. Vop. ekon. no. 2:108-115 F '63.

CIVIL PROCEDURE

(see also subdivision under Ukraine)

Avdiukov, M. G. [How to institute a civil law suit] Obrashchenie v sud po grazhdanskim dolam. Moskva, Gosurizdat, 1962. 54 p. (Iuridicheskie konsultatsii dlia naseleniia v voprosakh i otvetakh)

A conference on civil cases. G. Borodin, A. Akinov. Sois. zakon. 39 no. 10:83-84 O '62.

Supervision of the trial of civil cases is the foremost duty of public prosecutors. D. F. Kichatov. Sov. gos. i pravo 33 no. 4:126-133 Ap '63.

Trubnikov, P. I. A. [The trial of civil cases] Sudobnoe razbratovanie grazhdanskikh del. Moskva, Gosurizdat, 1962. 100 p.

CIVIL WRONGS see Torts

CIVILIZATION see subdivision under Great Britain

CIVILIZATION—AMERICAN INFLUENCES see subdivision under Great Britain

CLANS AND CLAN SYSTEM see subdivision under Caucasus

CLASSICAL ANTIQUITIES see subdivision under Sukhumi

CLASSIFICATION, DECIMAL

Universal decimal classification (UDK). M. V. Rodovskaia. Put' i put. khoz. 7 no. 1:9 '63.

CLAY

(see also subdivision under Nakhichevan A. S. S. R.; Russian Platform)

Aggregative stability of dispersed clay systems. I. I. Ibragimov. Azerb. khim. zhur. no. 2:81-93 '62.

Alteration of clay rocks in weathering. V. D. Lomtadze. Zap. LGI 44 no. 2:118-124 '62.

Changes in the phase composition of clays during heating in a neutral atmosphere in the presence of a solid reducing agent. E. I. Khazanov and others. Trudy Vost.-Sib. fil. AN SSSR no. 43:60-76 '62.

Clay looseners. D. S. Mostagin. Stroi. i dor. mash. 8 no. 2:26-31 F '63.

Evaluating swelling clayey soils. E. A. Sorochan, S. M. Mal'gina. Osn., fund. i mekh. grun. 5 no. 2:29-30 '63.

Mechanical filling of clay mixers. P. I. Khilian. Neftebank 7 no. 7:24 Ji '62.

Moscow. Vsesoluznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. [Industry's requirements as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gosgeoltekhizdat, No. 54. Potapenko, S. V., and A. A. Volkher. [Clays and kaolin] Gliny i kaolin. Nauchn. red. A. A. Volkher. Izd. 2., perer. 1962. 94 p.

The principle of effective stresses and the stability of clayey soils. N. A. Dentsov. Osn., fund. i mekh. grun. 5 no. 2:5-6 '63.

CLAY—ANALYSIS

X-ray examination of clay minerals. V. A. Frank-Kamenetskii. Rent. zhnl. syr. no. 1:7-15 '62.

CLAY—TESTING

Study of the rheological properties of plastic clays. G. M. Lemize, A. M. Gutkin, N. V. Zhukov. Osn., fund. mekh. grun. 5 no. 2:1-4 '63.

CLEANLINESS see Hygiene

CLEANING MACHINERY AND APPLIANCES

An open letter from yard cleaners in Zagorsk. M. Tikhonova and others. Zhil.-kom. khoz. 13 no. 3:10 Mr '63.

Railroad workers are producing sidewalk cleaning machines. And why don't others do the same? V. L'vov. Zhil.-kom. khoz. 13 no. 3:12 Mr '63.

CLEFT PALATE

Late results of using floating obturators in children with congenital cleft palate. M. I. Barchukov. Probl. stom. 6:327-331 '62.

CLEMENS, SAMUEL LANGHORNE, 1835-1910

Letters from the earth. A. Belov. V mire knig no. 2: 2-3 F '63.

CLERKS (RETAIL TRADE)

(see also subdivision under Volma, Stoltyts District)

To be able to look into their eyes. A. Telegei and others. Smena 39 no. 22:8-9 N '62.

CLERKS (RETAIL TRADE)—EDUCATION AND TRAINING

Occupational training of sales clerks in secondary schools. F. I. Lopko. Shkola i proizv. 6 no. 12:34-36 D '62.

CLIMATOLOGY

Akademii nauk SSSR. Institut geografii. [Complex climatology] Voprosy kompleksnoi klimatologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 204 p.

Grushko, S. [Climate and weather] Klimat i pogoda. Kishinev, Kartia moldoveniaske, 1961. 85 p.

Rusin, N. P., and L. A. Filin. [Man changes the climate] Chelovek meniaet klimat. [Moskva] Sovetskaya Rossiia, 1962. 128 p.

Vsesoluznae nauchnoe meteorologicheskoe soveshchanie. 1st. Leningrad, 1961. [Transactions of the All-Union Meteorological Conference] Trudy. Leningrad, Gidrometeor. izd-vo.

Vol. 4. [Section on climatology] Sektsiia klimatologii. Pod red. O. A. Drozdova, E. S. Rubinshtein. 1962. 520 p.

CLIMATOLOGY, MEDICAL

Moscow. Tsentralnyi institut kurortologii i fizioterapii. 1st. Leningrad, 1961. [Map of the climatic structures of health resorts of the U.S.S.R.] Karta struktur klimata kurortov i lechebnykh mestnostei SSSR. Moskva, Gosgeoltekhizdat, 1962. 1 fold, map.

[Explanatory brochure] Ob'iasnitel'naya zapiska. Red. G. A. Nevraev, L. A. Chubukov. 85 p.

(DNLM)

CLINICS see subdivision under Krasnodar

CLOCKMAKING AND WATCHMAKING

(see also subdivision under Moscow)

Kalishina, V. F., and A. D. Romanov. [Design of the elements for watch mechanisms and devices] Konstruktsionnye i raschetnye elementy chasovykh mekhanizmov i priborov. Penza, Tsent. biuro tekhn. informatsii sovmarkhoza, 1960. 167 p.

[MICROFILM]

CLOCKS AND WATCHES—REPAIRING AND ADJUSTING

Dolnikov, I. S., S. E. Kreps, and P. D. Surin. [Clock and watch repairing] Remont chasov. Moskva, Gosmestpromizdat, 1962. 240 p.

CLOSED CIRCUIT TELEVISION

(see also subdivision under United States)

First All-Union Conference on Television and Electronic Computer Systems in Automation. Tekh. kino i telev. 7 no. 3:92-93 Mr '63.

CLOTHING, INDUSTRIAL see Work clothes

CLOTHING INDUSTRY see subdivision under Leningrad

CLOTHING INDUSTRY—TECHNOLOGICAL INNOVATIONS Fashions and mathematics. G. Doidobanov. Sov. Soizuz no. 12:34-35 '62.

CLOTHING WORKERS see subdivision under Tiraspol'

CLOUD CHAMBER

Lapidevskii, V. K. [Diffusion chamber for determining slight α - and β -activities] Difruzionnaya kamora dlia opredeleniia mal'kikh α - i β -aktivnostei. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1966. 15 p. (Peradovol nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41. No. P-58-77/3)

CLOUDS

Microstructure of cumuli. Khuan Mei-Iuan' [Huang Mei-yunn]. Izv. AN SSSR, Ser. geofiz. no. 2:362-376 F '63.

CLUTCHES (MACHINERY)

Calculating resistance forces in disk clutches and brakes with bushings made of anti-friction material "retinaks." P. G. Orlov. Vest. mashinostr. 43 no. 2:30-33 F '63.

Device for centering semiclutches in places with difficult access. I. A. Gundarev. Energetik 10 no. 6:18-17 Je '62.

Dimension series of controlled hydrodynamic clutches. B. A. Gavrilenko, S. V. L'vov. Vest. mashinostr. 43 no. 2:24-27 F '63.

COACHING (ATHLETICS)

Coach... what does it mean? Aleksandr Gomel'skii. Smena 39 no. 22:24-26 N '62.

COAL

(see also subdivision under Kuznetsk Basin)

Newspaper for the curious. Nauka i zhytiia 12 no. 1: 32-33 Ja '63.

Packing of coal to be stored over long periods of time. A. F. Seleznev. Energetik 10 no. 6:20 Je '62. Some unsolved problems of prospecting for coal deposits. K. V. Mironov. Mat. GKZ no. 2:44-51 '61.

Two-stage burning of coal. V. V. Luk'ianov. Elek. sta. 34 no. 3:12-17 Mr '63.

COAL—ANALYSIS see subdivision under Karaganda Basin; Lvov-Volyn' Basin

COAL—TESTING

(see also subdivision under Karaganda Basin)

Determination of coal resistance to cutting based on the coefficients of strength and structure. B. M. Lezhov. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:266-277 '62.

Determination of contact stresses under the punch. A. S. Kazanskii. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:236-242 '62.

Effect of some physicochemical factors on the breaking of coal in a laboratory experiment. G. G. Fedorova, I. S. Kuklin, G. N. Khrushchev. Trudy Inst. gor. dela UFAN SSSR no. 3:45-47 '62.

[Solid fuel: coal testing methods] Tverdoe toplivo: Ugol; metody ispytani. Izd. ditsial'noe. Moskva, Standartgiz, 1962. 391 p. (SSSR, Gosudarstvennye standarty)

Study of the efficiency of the hydraulic breaking of hard coals under laboratory conditions. G. N. Khrushchev, I. S. Kuklin. Trudy Inst. gor. dela UFAN SSSR no. 3: 9-10 '62.

COAL, FOSSIL

From works on the determination of wood and coal found in archeological excavations. N. G. Blokhina, G. N. Lisitsyna. Krat. soob. Inst. arkhcol. no. 92:100-102 '62.

COAL, PULVERIZED

Special features of the heat treatment of polydispersed materials in suspension. H. L. Babukha. Zbir. prats' Inst. tepl. AN URSSR no. 24:77-85 '62.

COAL GEOLOGY

(see also subdivision under Lvov-Volyn' Basin; Yakutia)

Quality of logging in prospecting for coal deposits. V. S. Gryzlov. Mat. GKZ no. 2:62-64 '61.

Simplifying the methods and reducing the amount of materials used in the estimation of coal reserves. T. A. Burtsava. Mat. GKZ no. 2:65-70 '61.

COAL GEOLOGY—MAPS

Akademii nauk SSSR. Laboratoriia geologii ugla. [Atlas of maps of coal deposits of the U.S.S.R.] Atlas kart uglenakopleniia na territorii SSSR. Glav. red. I. I. Gorskii, Zamestitel' glav. red. V. V. Molokanov. Chlony red. kollegii: F. A. Bochkovskii i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 17 maps.

[Explanatory notes] Ob'iasnitel'naya zapiska. 527 p. [With summary in English]

COAL MINERS see subdivision under United States

COAL MINES AND MINING

(see also subdivision under Donets Basin; Karaganda Basin; Kondyryk region; Kuznetsk Basin; Ukraine; Uzlovnya)

Determining basic parameters of breakage by high pressure compressed air. D. I. Adamidze. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:230-267 '62.

COAL MINES AND MINING (Continued)

- Efremov, G. D.** [Working coal seams at great depths] Razrabotka ugol'nykh plastov na bol'shikh glubinaakh, Kiev, Gostekhnizdat USSR, 1962, 143 p.
- Iatskiikh, V. G., V. I. Kutovoi, and I. G. Shapiro.** [Coal sizing and ways for improving it during the operation of mining machinery] Sortnost' uгля pri rabote vyemochnykh mashin i puti ee uluchsheniia, Moskva, Gosgortekhnizdat, 1962, 161 p.
- Let's carry out successfully the assignments of the fifth year of the seven-year plan. Shakht. stroi. 7 no. 2: 1-3 F '63.
- Manifestation of rock pressure in longwalls in narrow-range mining of coals, D. N. Pavluchenko. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:188-202 '62.
- Methods for stripping sloping deposits subjected to sudden outbursts. R. M. Krichevskii. Bezop. truda v prom. 7 no. 3:19-21 Mr '63.
- Profsoiuz rabochikh ugol'noi promyshlennosti, Tsentral'nyi komitet.** [Work clothes for workers and employees in the enterprises of the coal and the slate industries] Spetsodezhda dlia rabochikh i sluzhashchikh predpriiati ugol'noi i slantsevoi promyshlennosti, Moskva, Gosgortekhnizdat, 1963, 331 p.
- COAL MINES AND MINING—ACCIDENTS**
(see also subdivision under Kuznetsk Basin)
- Prevent fires behind concrete supports of electric machinery chambers. V. I. Kravchenko. Bezop. truda v prom. 7 no. 3:7-8 Mr '63.
- COAL MINES AND MINING—ACCOUNTING** see subdivision under Novovolynsk
- COAL MINES AND MINING—COSTS**
Cost analysis of secondary crushing of various sizes of oversize rocks by blasting. L. I. Baron, G. S. Cherepanov. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1: 253-256 '62.
- COAL MINES AND MINING—LABOR PRODUCTIVITY** see subdivision under Donets Basin
- COAL MINES AND MINING—MANAGEMENT**
(see also subdivision under Kizel)
- Mozentsev, M. D.** [Technical, industrial, and financial plan of a mine] Tekhpromfinplan shakhty, Moskva, Gosgortekhnizdat, 1962, 210 p. (Konkretnaia ekonomika dlia gornolakov)
- COAL MINES AND MINING—SAFETY MEASURES**
(see also subdivision under Kuznetsk Basin)
- Leaflet-calendar of engineer Volkov. V. Strugov. Bezop. truda v prom. 7 no. 3:29-30 Mr '63.
- COAL MINING MACHINERY**
(see also subdivision under Donets Basin; Kuznetsk Basin)
- Tsentral'nyi institut tekhnicheskoi informatsii ugol'noi promyshlennosti.** [Practice of using cutter-loaders] Opyt ispol'zovaniia ochistnykh kombinov; sbornik statei. Moskva, 1962, 102 p. (Seria "Tekhnologiya i ekonomika podzemnoi dobychi uгля") [MICROFILM]
- COAL PREPARATION**
(see also subdivision under Donets Basin)
- Discussion of the article "Thermal processing and pre-drying of coal" by P. I. Turchenko, P. E. Messerle, A. V. Ostapchenko, E. I. A. Eldeiman. Koks i khim. no. 3:63-64 '63.
- [Preparation of unclassified coals] Obogashchentie neklasifitsirovannykh uglei. [By] Dunay, M. N. i dr. Moskva, Gosgortekhnizdat, 1963, 181 p.
- COAL TAR PRODUCTS**
Absorption capacity of oils used for the absorption of benzene hydrocarbons. I. U. Garber, N. A. Iuforova. Koks i khim. no. 3:35-37 '63.
- Column with grid-type plates for benzene hydrocarbon desorption from coal tar absorbing oil. A. I. Mironov. Koks i khim. no. 3:33-34 '63.
- Extraction of the γ -isomer from hexachlorane with coal-tar oils. G. M. Strongin, M. N. Kulikova, N. I. Prokhorova. Zhur. prikl. khim. 36 no. 2:465-467 F '63.
- COAL TAR PRODUCTS—COOLING**
Cooling of the tar liquor in plate heat exchangers. A. R. Astrebenetskii and others. Koks i khim. no. 3:38-41 '63.
- COAST CHANGES**
(see also subdivision under Aral Sea)
- Zenkovich, V. P.** [On the frontiers of land and sea] Na rubezhakh zemli i moria; zapiski issledovatelii. Moskva, Izd-vo Akad. nauk SSSR, 1963, 218 p. (Akademika nauk SSSR. Nauchno-populiarnnaia seriia)
- COAXIAL CABLES—MEASUREMENT**
Kublanovskii, I. A. S., and M. M. Sariban. [Klyseiron generator, UIP-4K impulse device for determining the uniformity of the characteristic impedance of a coaxial cable] Klyseironnyi generator, Impul'snyi pribor UIP-4k dlia opredeleniia odnorodnosti volnovogo soprotivleniia koaksial'nogo kabellia. [By] G. V. Dem'ianchenko, Moskva, Filial Vses. in-la nauchn. i tekhn. informatsii, 1958, 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36, No. P-58-36/9)

COBALT COMPOUNDS

- Complex compounds of cobalt (III) with dimethylglyoxime of cis-configuration. A. V. Ablov, N. M. Samus', O. A. Bologa. Zhur. neorg. khim. 8 no. 4:860-870 Ap '63.
- Complex compounds of trivalent cobalt with dimethylglyoxime and sulfanilamides. A. V. Ablov, V. N. Shafran'skii. Zhur. neorg. khim. 7 no. 7:1521-1524 J1 '62.

COCA—TRANSPORTATION

- Experience in the transportation of cacao beans. M. M. Vaisman, G. E. Brukhia. Biol. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:36-39 '62.

COEFFICIENT OF EXPANSION see Gases

COESITE

- Equilibrium line between the coesite and the rutile-like modification of silicon dioxide. S. M. Stashov. Dokl. AN SSSR 148 no. 5:1186-1188 F '63.

COG—WHEELS see Gearing

COHOMOLOGY THEORY see Homology theory

COIFFURE see Hairdressing

COIN OPERATED MACHINES see Vending machines

COINS

- If you find a treasure. Alla Mel'nikova. Ogonek 41 no. 12:15 Mr '63.

COINS, ANCIENT

- (see also subdivision under Azerbaijan; Sevastopol region; Taman)

- Findings of West European coins on the territory of ancient Russia and early Russian settlements. V. M. Potin. Num. i epig. 3:183-211 '62.

COINS, GREEK see subdivision under Chersonese (City)

COINS, ROMAN see subdivision under Dardichev District; Tajikistan; Tyasmin Valley

COKE

- Discussion of the article "Thermal processing and pre-drying of coal" by P. I. Turchenko, P. E. Messerle, A. V. Ostapchenko, E. I. A. Eldeiman. Koks i khim. no. 3: 63-64 '63.
- Obtaining pitch coal coke for electrode manufacture. L. A. Kogan and others. Koks i khim. no. 3:22-25 '63.
- Studying the formation of the porous structure of pitch coke. B. V. Shomer-tankin, L. V. Kopelovich, I. P. Dobrovolskii. Koks i khim. no. 3:25-28 '63.

COKE INDUSTRY see subdivision under Yasinovka

COKE INDUSTRY—BY-PRODUCTS see subdivision under Hungary

COKE INDUSTRY—EQUIPMENT AND SUPPLIES

- Economics of anticorrosion coatings under industrial conditions. R. M. Sverdlova. Koks i khim. no. 3:50-52 '63.

COKE INDUSTRY—PERIODICALS

- Conferences of the readers of the "Koks i khimika" journal held during 1962. Koks i khim. no. 3:57-59 '63.

COKE INDUSTRY—SAFETY MEASURES see subdivision under Zhdanov

COKE—OVEN GAS—COOLING

- Thermal calculations of coke-oven gas cooling systems. I. A. Trub, F. A. Ovensko, A. T. Khalabuzar. Zbir. prats' Inst. topl. AN URSSR no. 24:53-61 '62.

COKE OVENS

- Coking coal from Eastern regions in extra narrow coke oven chambers. L. I. Erkin. Koks i khim. no. 3:18-22 '63.
- Flaming merry-go-round. I. U. Medvedev. Znan.-sila 38 no. 2:1-3 F '63.
- Rapid laying of the refractories of coke oven batteries. M. V. Vidman. Prom. stroi. i inzh. soor. 4 no. 1:18-19 Ja-P '63.

COKE OVENS—TESTING see subdivision under Ukraine

COLD—PHYSIOLOGICAL EFFECT

- Konferentsiia po vysokogor'u i kholodovoi travme.** [Transactions of the Conference on High-Mountain Conditions and Trauma Caused by Cold] Trudy. Pod red. G. L. Frenkella i I. Sh. Zabrirova. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962, 359 p. (DNLM)

COLD STORAGE ON SHIPBOARD

- Refrigerator unit on "Aragvi"-type ships. A. A. Trofimukhin. Inform. sbor. TSNIMF no. 73. Tekh. eksp. mor. flota no. 13:41-52 '62.

COLD STORAGE WAREHOUSES

- (see also subdivision under Secaucus)
- Control over the preservation of merchandise in cold storage. A. Vodlanov, F. Solonevich. Sov. tor. 36 no. 3:32-33 Mr '63.

COLITIS

- Endocrine function of the pancreas in chronic colitis. K. N. Kazimova. Vop. biol. i kraev. med. no. 3:212-215 '62.

- Parplev, K. M.** [Chronic colitis] Khronicheskie kolity. Tashkent, Medgiz, UzSSR, 1962, 22 p. (Nauchno-populiarnnaia literatura) (DNLM)

COLLECTIVE FARMS

- (see also subdivision under Crimea; Kiev; Meshchera; Orel Province; Ryazan Province; Silverka, Ryazan Province; Stavropol Territory)

- "Capital reproduction on collective farms" by V. V. Tsakunov. Reviewed by N. Sukhil, E. Ryshenkov. Komm. Bel. 36 no. 5:70-72 My '62.

- Daybreaks in "Russia." Sov. Soluz no. 12:6-9 '62.

- Law of value and the uneven economic development of collective farms [with summary in English]. B. F. Andreev. Vest. LGU 18 no. 5:13-20 '63.

- Logvinov, L. D.** [Differential land rent and collective-farm economics] Differentsial'nai renta i ekonomika kolhozov. Moskva, Ekonomizdat, 1963, 201 p.

- Osad'ko, M. P.** [The cooperative form of agricultural production under socialism] Kooperativnaia forma sel'skokhoziaistvennogo proizvodstva pri sotsializme. [Moskva] Izd-vo Mosk. univ., 1963, 117 p.

- Our answer to an appeal. V. Zhitlar', B. Vlasov, Sel'. mekh. no. 8:3-4 '62.

- Our answer to Carlo Navone. S. Maksimenko and others. Sov. Soluz no. 1:31-33 '63.

COLLECTIVE FARMS—ACCOUNTING

- "Accounting on collective farms" by S. D. Butko and others. Reviewed by D. S. Bidenko, P. E. Tatsenko. Sred. apets. obr. 10 no. 3:55-56 Mr '63.

COLLECTIVE FARMS—FINANCE

- (see also subdivision under Sarata District)
- Agmoev, Kh. I., and K. A. Ivanov.** [Business accounting on the collective farm] Khoziaistvennyi raschet v kolchoze. Moskva, Izd-vo "Sovetsknaia Rossiia," 1962, 77 p. (Rosheniia XXII s'ezda KPSS - zhizni) Indivisible funds of collective farms. S. Semina. Vop. ekon. no. 2:148-151 F '63.

- Koshkin, A. G.** [Ways to increase the profitability of collective-farm production] Puti povysheniia rentabel'nosti kolhoznoogo proizvodstva. Moskva, Ekonomizdat, 1963, 111 p.

- Moscow, Nauchno-issledovatel'skii finansovyi institut.** [Collective farm monetary income and differential land rent] Denezhnye dokhody kolhozov i differentsial'nai renta. Moskva, Gosfinizdat, 1963, 222 p.

- Peas in the financial balance of a collective farm. I. A. Mel'nychenko. Ekon. Rad. Ukr. no. 1:59-60 Ja-F '63.

COLLECTIVE FARMS—INCOME DISTRIBUTION

- (see also subdivision under Tambov Province)
- Lepetukhin, N. U.** [Abolishing labor days] Bez trudodnia. [Tambov] Tambovskoe knizhnoe izd-vo, 1960, 23 p.
- Remuneration of the specialists and machinery operators of collective farms. K. Shatbekov. Sots. zakon. 39 no. 10:76-78 O '62.

COLLECTIVE FARMS—INTERFARM COOPERATION

- (see also subdivision under Sengiley District)
- The greater the output the higher the wages. G. Medynich, Z. Medynich, Sel'. mekh. no. 8:9-7 '62.

COLLECTIVE FARMS—LABOR PRODUCTIVITY

- (see also subdivision under Grabenki District)
- "Waves of the revolution." Oleksandr Hordil. Ukrainska no. 2:17-18 Ja '63.

COLLECTIVE FARMS—LAWS AND LEGISLATION

- And who is the defendant, after all? F. Tkhor. Sov. iust. no. 4:25 F '63.

- "Collective farm law." Reviewed by V. F. Chigir, I. D. Vetrov, K. A. Shatbekov. Sov. gos. i pravo 33 no. 4: 150-153 Ap '63.

- Legal nature of public inspection on collective farms [with summary in English]. G. P. Levchenko. Vest. LGU 18 no. 5:121-125 '63.

COLLECTIVE FARMS—MANAGEMENT

- (see also subdivision under Morshansk District; Vasil'kov District)
- Practice in working out an efficient structure for planting acreages on the "Krasnyi Malak" Collective Farm in Gorodets District, Gorky Province. V. F. Labenels and others. Dokl. i soob. VNIIESKH no. 13:76-89 '62.

COLLECTIVE FARMS—PRODUCTION STANDARDS see subdivision under Tambov Province

COLLECTIVE FARMS—STATISTICS see subdivision under Lunino District

COLLECTIVE LABOR AGREEMENTS

- Kozlov, M. R., M. M. Panarin, and V. G. Solov'ev.** [Collective labor agreement in an enterprise] Kollektivnyi dogovor na predpriiati. [Moskva] Profizdat, 1961, 61 p. (Biblioteka profsoiuznogo aktivista, no. 24)

COLLECTIVE SECURITY see Security, International

COLLEGE SPORTS

Physical training of students of a special medical group. N. V. Sherstiuk. *Teor. i prak. fiz. kul't.* 26 no. 2:45-48 F '63.

COLLISIONS (NUCLEAR PHYSICS)

Calculation of the angular and energy characteristics of multiply charged particles produced by high-energy protons [with summary in English]. M. M. Makarov. *Zhur. eksp. i teor. fiz.* 44 no. 3:982-988 Mr '63.

Collisions between electrons and hydrogen atoms taking strong bonding and exchange into account. R. A. Damburg, R. K. Peterkop. *Opt. i spekt.* 13 no. 4: 597-598 O '62.

Coulomb collisions of fast electrons in a polarizing medium [with summary in English]. V. M. Lenchenko. *Zhur. eksp. i teor. fiz.* 44 no. 3:899-902 Mr '63.

Cross sections for elementary processes with large absorption [with summary in English]. P. E. Nemirovskii, I. U. P. Elagin. *Zhur. eksp. i teor. fiz.* 44 no. 3:1090-1105 Mr '63.

Effect of collisions on the disturbances around a body moving in a plasma [with summary in English]. L. P. Pitaeviskii. *Zhur. eksp. i teor. fiz.* 44 no. 3:989-979 Mr '63.

COLLOIDS

Dallskala, R. A., and R. I. Fel'dman. [Laboratory work in physical and colloid chemistry] *Praktikum po fizicheskoi i kolloidnoi khimii.* Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 338 p.

COLONIES

What is the 24-nation committee doing? A. Volgin. *Nov. vrem.* 20 no. 15:13-14 Ag '62.

COLOR MOTION-PICTURE PHOTOGRAPHY

Brightness and color transmission by means of photography and cinematography; report presented at the 5th Congress of the International Union of Technical Cinematographic Associations held in Moscow in September 1962 (with summary in English on p. 96). M. Ahrbat (France). *Tekh. kino i telev.* 7 no. 2:12-20 F '63.

COLOR MOTION-PICTURE PHOTOGRAPHY—FILMS

Hardening of the positive color motion-picture film with potassium alum [with summary in English on p. 96]. I. D. Golovatenko, R. M. Malistrov, S. A. Titova. *Tekh. kino i telev.* 7 no. 3:64-67 Mr '63.

COLOR PHOTOGRAPHY

Brightness and color transmission by means of photography and cinematography; report presented at the 5th Congress of the International Union of Technical Cinematographic Associations held in Moscow in September 1962 (with summary in English on p. 96). M. Ahrbat (France). *Tekh. kino i telev.* 7 no. 2:12-20 F '63.

COLOR TELEVISION

Compatible color television systems with balanced signal [with summary in English on p. 96]. A. K. Kustarev. *Tekh. kino i telev.* 7 no. 3:43-50 Mr '63.

COLORIMETRY

New photocolometric method for the quantitative determination of osazol in drugs. N. P. Ivashovskiy. *Farmats. zhur.* 17 no. 4:13-17 '62.

COLUMBITE—ANALYSIS

X-ray study of columbite-tantalite group minerals. N. M. Kurnakova. *Rent. mla. syr.* no. 1:113-119 '62.

COLUMNS, CONCRETE

Joints of single-stage reinforced concrete columns with their foundations; efficiency of various types of jigs for bringing columns to the planned position. A. Gaevoi. *Prom. stroi. i inzh. soor.* 4 no. 1:20-26 Ju-F '63.

COMBINES (AGRICULTURAL MACHINERY)—BIBLIOGRAPHY see Bibliography—Combines (Agricultural machinery)

COMBS see subdivision under Staraya Ladoga

COMBUSTION

Changes in the excess air factor over the atomized-fuel flame area. A. S. Lyshevskii. *Trudy NPI* 131:17-23 '62.

Stationary solution for a system of equations in the theory of burning. I. A. I. Kanev. *Dokl. AN SSSR* 149 no. 2:367-369 Mr '63.

Temperature coefficient of the rate of burning of explosives and gunpowders as a function of pressure. A. F. Belmev, G. V. Lukashenko. *Dokl. AN SSSR* 148 no. 6: 1327-1330 F '63.

COMETS

Wave motions in cometary tails [with summary in English]. L. S. Marochnik. *Astron. zhur.* 40 no. 2:284-287 Mr-Apr '63.

COMMERCE

Increase control over the work of trade organizations. I. Kochubel. *Bukhg. uch. i shet.* 20 no. 3:58-60 Mr '63.

COMMERCE—AUDITING AND INSPECTION

Auditing departments in administrations and ministries are indispensable. V. Sonin. *Sov. torg.* 36 no. 3:40-41 Mr '63.

COMMERCIAL AERONAUTICS see Aeronautics, Commercial

COMMERCIAL CORRESPONDENCE

Ogorodnikov, B. E. [Correspondence in industrial enterprises] *Korrespondentsia promyshlennykh predpriyatiy.* Izd. 4., ispr. i dop. Moskva, Ekonomizdat, 1962. 157 p.

COMMERCIAL LAW

Brief news. *Sov. torg.* 36 no. 3:56 Mr '63.

More on juridical work. A. Prytkov. *Sov. potreb. koop.* 7 no. 4:63-64 Ap '63.

Organization and legal status of Soviet firms. A. Rubin. *Sov. iust.* no. 4:4-7 F '63.

What the law on socialist enterprises should be. R. A. Frid. *Sov. gos. i pravo* 33 no. 4:104-108 Ap '63.

COMMERCIAL PRODUCTS—QUALITY CONTROL see subdivision under Novosibirsk

COMMERCIAL PRODUCTS—STANDARDS

Some problems of the quality of merchandise. S. Partikul. *Sov. torg.* 36 no. 3:7-11 Mr '63.

COMMON MARKET COUNTRIES see European Economic Community countries

COMMUNICABLE DISEASES

(see also subdivision under Russia, Northwestern) Diachenko, S. S. [Microbiological methods of diagnosing infectious diseases] *Mikrobiologicheskie metody diagnostiki infektsionnykh zabolevaniy.* Kiev, Gosmedizdat USSR, 1962. 533 p. (DNLM)

[Serological methodology of research in the diagnosis of communicable diseases] *Serologicheskie metody issledovaniya pri diagnostike infektsionnykh bolezney.* Moskva, Medgiz, 1962. 370 p. (DNLM)

COMMUNICATION AND TRAFFIC—TECHNOLOGICAL INNOVATIONS

[Determining the economic efficiency of new machinery in the communication system] *Opreделение ekonomicheskoi effektivnosti novoy tekhniki v khoziashtve svyazi; informatsionnyi sbornik.* Moskva, Svyaz'izdat, 1962. 174 p. (Ekonomika svyazi)

COMMUNICATIONS, MILITARY

Hello, "Star!" Viktor Levashov. *Smena* 40 no. 4:2-3 F '63.

COMMUNISM

(see also subdivision under Asia; Brazil; Germany, West)

[Communism; a chrestomathy] *O kommunizme; kniga dlia chteniya.* Moskva, Gospolitizdat, 1962. 556 p.

"Communist tomorrow and bourgeois fabrications" by G. B. Khromushin. Reviewed by N. Smelev. *Vop. ekon.* no. 3:117-121 Mr '63.

"Early history of Marxist philosophy" by T. I. Olizerman. Reviewed by V. A. Karpushin. *Vop. filos.* 17 no. 3: 162-166 '63.

[The economics of socialism] *Politicheskaya ekonomiya sotsializma.* Izd. 2., perer. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 614 p.

Following Lenin's precepts! Aleksei Surkov. *Smena* 39 no. 24:2 D '62.

Great at home and great in public. Abdurakhman Absalamov. *Ogonek* 41 no. 1:2-3 Ja '63.

"History of socialist theories." Reviewed by L. I. Gol'man. *Vop. ist. KPSS* 7 no. 3:121-125 Mr '63.

In quest of ideas. G. Ashin. *Otv. na vop. trud.* no. 12: 41-45 D '62.

Increase the labor productivity in the construction industry. *Vest. svyazi* 23 no. 1:8 Ja '63.

An international theoretical conference. G. S. Felatov. *Vop. ist. KPSS* 7 no. 3:150-152 Mr '63.

Irabadzhnikov, N. [Present-day critics of Marxism; philosophical and sociological problems of the struggle against contemporary anti-Marxism. Translated from the Bulgarian] *Sovremennye kritiki marksizma; filosofsko-sotsiologicheskie problemy bor'by protiv sovremennogo antimarksizma.* Pod red. i s posleslovиеm M. T. Iovchuka. Moskva, Izd-vo Inostr. lit-ry, 1962. 618 p.

Kalekina, O. P. [Outline history of the publication of Marxist literature in Russia, 1870-1917] *Ochorki po istorii izdaniya marksistskoi literatury v Rossii, 1870-1917 gg.* Moskva, Vysshaya shkola, 1962. 238 p.

Lenin on the communist society. *Sov. Soizuz* no. 4:14 '63.

Lenin, U. S. S. R., and the world! *Radio* no. 4:3 Ap '63.

Matter of foremost importance. *Radio* no. 4:1-2 Ap '63.

Podolskiy, V. M. [Mankind's advance to communism] *Put' chelovechestva k kommunizmu.* Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 71 p.

Principal difference between antagonistic and nonantagonistic contradictions. F. I. Georgiev, L. F. Petrovicheva. *Nauch. dokl. vys. shkoly, filos. nauki* 6 no. 1:40-48 '63.

"Social and economic structures and peaceful coexistence [in Bulgarian] by Sava Ganovski. Reviewed by G. Doinichenko. *Mezhdunar. zhizn'* 10 no. 4:135-137 Ap '63.

[Some problems of scientific communism in the resolutions of the CPSU, 1953-1962] *Doiski pytaniya nauchnogo kommunizmu v rishestakh KPSS, 1953-1962 rr.; sbirnyk statei.* Kyiv, Derzhpolitytydav URSR, 1962. 308 p.

Step by step. Mikhail Kochnev. *Kul't. zhizn'* 6 no. 12: 2-4 '62.

The test of history. Rene Andrieux. *Ogonek* 40 no. 48: 4-5 N '62.

Under the sun of a great program. *Sov. Ukr.* 12 no. 12: 3-4 D '62.

Voroblov, I. F., and A. B. Kogan. [Marxist-Leninist philosophy] *Marksyistsko-leninskaya filosofiya; popularnyi pldruchnyk.* Vyd. 2., ispr. i dop. Kyiv, Derzhpolitytydav URSR, 1962. 516 p.

We should search for and find inexhaustible reserves. *Radio* no. 12:1-2 D '62.

Work of the philosophical study group. G. N. Kuskov. *Vest. LGU* 18 no. 5:155-156 '63.

The work of trade-union agencies should contribute to the solution of new problems. *Vest. svyazi* 23 no. 3:1-3 Mr '63.

Zak, S. E. [The masses and their character and activities in a socialist society] *Narodnye massy i kharakter ikh deyatelnosti v sotsialisticheskoy obshchestve.* [L'viv] Izd-vo L'vovskogo univ., 1962. 269 p.

COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

COMMUNISM—TEXTBOOKS

We shouldn't curtail the program of scientific communism. V. K. Zarubin. *Nauch. dokl. vys. shkoly, filos. nauki* 6 no. 1:125-126 '63.

COMMUNISM AND ART

Always together with the people! S. Gerasimov. *Iskusstvo* 20 no. 1:10-13 '63.

Art and the building of communism. *Vop. filos.* 17 no. 3: 3-12 '63.

The artist and the people. *Polit. samoobr.* 7 no. 2:9-13 F '63.

Art belongs to the people. *Part. zhizn'* no. 6:3-7 Mr '63.

Bring literature and art to the people. *Bibliotekar'* no. 3:1-4 Mr '63.

Create for the people in the name of great ideals! *Komsom. zhizn'* no. 7:5-9 Ap '63.

For the people. E. Vuchetich. *Ogonek* 40 no. 62:1-2 D '62.

Khrushchev, N. S. [Lofty ideals and creative talent are the great forces of Soviet literature and art; speech made at the meeting of government and party leaders with art and literary figures, March 8, 1963] *Vysokaya ideinost' i khudozhestvennoe masterstvo - volikaina sila sovetskoi literatury i iskusstva; rech' na vstreche rukovoditelei partii i pravitoi'stva s deiatel'nyami literatury i iskusstva 8 marta 1963 goda.* Moskva, Gospolitizdat, 1963. 62 p.

Meditations in the Sverdlov Hall. Lev Nikulin. *Ogonek* 41 no. 12:1-2 Mr '63.

Portray reality truthfully and vividly. I. Kruglyi, A. Kolmek. *Part. zhizn'* no. 7:65-67 Ap '63.

Spring, peace, creativeness. *Sov. Soizuz* no. 4:3-4 '63.

To create for the people in the name of communism. I. F. Il'ichev. *Iskusstvo* 20 no. 1:2-8 '63.

A word to the artists. O. Maksimov. *Part. zhizn'* no. 7: 58-59 Ap '63.

Meditations in the Sverdlov Hall. Lev Nikulin. *Ogonek* 41 no. 12:1-2 Mr '63.

Portray reality truthfully and vividly. I. Kruglyi, A. Kolmek. *Part. zhizn'* no. 7:65-67 Ap '63.

Spring, peace, creativeness. *Sov. Soizuz* no. 4:3-4 '63.

To create for the people in the name of communism. I. F. Il'ichev. *Iskusstvo* 20 no. 1:2-8 '63.

A word to the artists. O. Maksimov. *Part. zhizn'* no. 7: 58-59 Ap '63.

COMMUNISM AND LITERATURE

Art and the building of communism. *Vop. filos.* 17 no. 3:3-12 '63.

Art belongs to the people. *Part. zhizn'* no. 6:3-7 Mr '63.

The artist and the people. *Polit. samoobr.* 7 no. 2:9-13 F '63.

Bring literature and art to the people. *Bibliotekar'* no. 3:1-4 Mr '63.

Create for the people in the name of great ideals! *Komsom. zhizn'* no. 7:5-9 Ap '63.

Havrylyuk, P. I. [Aesthetics nature of art] *Estetichna pryroda myslitstva.* Kyiv, Vyd-vo Akad. nauk URSR, 1962. 54 p. (Vohoni Ukrainy - universitetna kul'tura)

Khrushchev, N. S. [Lofty ideals and creative talent are the great forces of Soviet literature and art; speech made at the meeting of government and party leaders with art and literary figures, March 8, 1963] *Vysokaya ideinost' i khudozhestvennoe masterstvo - volikaina sila sovetskoi literatury i iskusstva; rech' na vstreche rukovoditelei partii i pravitoi'stva s deiatel'nyami literatury i iskusstva 8 marta 1963 goda.* Moskva, Gospolitizdat, 1963. 62 p.

Mashintsev, V. N. [For further successes of Soviet literature] *Za novyi pod'iem sovetskoi literatury.* Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963. 68 p.

Writers' party organization. N. Skrebov. *Part. zhizn'* no. 7:50-55 Ap '63.

Meditations in the Sverdlov Hall. Lev Nikulin. *Ogonek* 41 no. 12:1-2 Mr '63.

COMMUNISM AND RELIGION

Communism and religion on the individual. IU, Okhrimenko. Volov, atelst 3 no. 3:37-40 Mr '63.
"Lenin's criticism of religion" by S. I. Nikishov. Reviewed by M. Novikov. Nauka i rel. 4 no. 3:93 Mr '63.

COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

Chernova, E. P. [The worldwide system of socialism is a decisive factor at the present time] Mirovaia sistema sotsializma, reshatelushchii faktor sovremenosti. Frunze, Kirgizgostizdat, 1961. 56 p.
(MII)

Vigorous upsurge in the economy of the world socialist system. G. Gertsovich, A. Skvortsova. Vop. ekon. no. 3:124-135 Mr '63.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS

Shirayev, I. S. [World socialist cooperation; tendencies and prospects for economic development] Mirovye sotsialisticheskoe soderzhestvo; o tendentsiyakh i perspektivakh ekonomicheskogo razvitiia. Moskva, Ekonomizdat, 1963. 160 p.

COMMUNIST EDUCATION

(see also subdivision under Moscow)

[For the communist education of students] Za kommunisticheskoe vospitanie shkol'nikov. Moskva, Uchpedgiz, 1962. 207 p.

Historical education in schools as a powerful factor of communist education. Sov. pedagog. 27 no. 3:3-9 Mr '63.

Let's create a new course on pedagogics. G. I. Balanuk. Sov. pedagog. 27 no. 2:136-143 F '63.

Program of educational work. N. D'achenko. Prof. tekhn. obr. 20 no. 3:20-21 Mr '63.

Propagandist, that's your duty! Polit. samooobr. 7 no. 2:3-8 F '63.

Ryazan, Gosudarstvennyi pedagogicheskii institut. [Educational work in ideology in the institutions of higher learning] Ideino-vospitatel'naya rabota v vuzov, Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 157 p.

COMMUNIST ETHICS

Averin, N. M. [The law of our life] Zakon nashel zhizni. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 21 p. (Besedy o moral'nom kodekse strotel'tsa kommunizma)

Bekarev, P. I. [Good and evil] Dobro i zlo. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 46 p.

Communism is created by the work of millions. Learn to work and live the communist way. N. Kostin. Polit. samooobr. 7 no. 2:104-110 F '63.

Dubrovskii, I. I. [Sacred obligation] Syvashchennaya obiazannost'. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 23 p. (Besedy o moral'nom kodekse strotel'tsa kommunizma)

Ethics of our time. Klub 12 no. 8:1 S '62.

Gak, G. M. [Molding the new man] Formirovanie novogo cheloveka. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 62 p.

Internationalism and the moral development of the individual [with summary in English, p. 184]. M. A. Sverdlin, P. M. Rogachev. Vop. filos. 17 no. 3:76-88 '63.

Kochukov, A. M. [Communist responsibility] Kommunisticheskaya obiazannost'. [Moskva] Mosk. rabochii, 1962. 53 p.

Lenin, V. I. [Communist ethics] Pro kommunistychnu moral'. [Kyiv] Derzhpolitytdav URSR, 1962. 394 p.

Life, work and education. Sov. profsoyuzy 10 no. 6:1-2 Mr '63.

Lysenko, O. I. A. [Communism and the formation of a new man] Kommunizm i formirovaniye novoi lyudny. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 98 p. (Problemy kommunisticheskogo budivnytsya v svitli rishen' XXII z'ezdu KPSS)

Morals of an heroic epoch. IU, Zubkov. Znamia 33 no. 3:200-209 Mr '63.

My contemporary. Soviet man. James Aldridge. Ogonek 40 no. 46:9 N '62.

[Principles of your life] Printsipy tvoei zhizni; besedy o moral'nom kodekse strotel'tsa kommunizma. Moskva, Gospolizdat, 1963. 134 p.

Readers discuss "A reply to Filibuster." Smena 40 no. 8:9-7 Mr '63.

Rusakova, E. I. [One for all and all for one] Odn za vseh, vse za odnogo. Moskva, Gospolizdat, 1963. 46 p. (Moral'nyi kodeks strotel'tsa kommunizma)

Spiritual riches of the individual [with summary in English]. M. I. A. Korneev. Vest. LGU 18 no. 5:34-45 '63.

Sukhomlinskii, V. A. [Thoughts about man] Duma o cheloveke. Moskva, Gospolizdat, 1963. 118 p. (Iz serii o kommunisticheskoi morali)

Utkin, S. S. [Studies on Marxist-Leninist ethics] Ocherki po marksistsko-leninskoi etike. Moskva, Soiskegiz, 1962. 421 p.

COMMUNIST PARTIES—BIBLIOGRAPHY see Bibliography—Communist parties

COMMUNIST PARTY see subdivision under Burma; Franco; Indonesia; Rumania; United States; Yugoslavia

COMMUNIST PARTY OF THE SOVIET UNION

(see also subdivision under Kharkov; Odessa Province; Ukraine; White Russia)

Fedorov, S. S. [CPSU is the main patriotic force of the country] KPSS - glavnaya patrioticheskaya sila strany. Leningrad, Ob-vo po rasprostraneniya polit. i nauchn. znaniy RSFSR, 1962. 37 p.

"History of the Communist Party of the Soviet Union." 2d ed. Komm. Bel. 37 no. 1:14-18 Ja '63.

Kosenko, I. A. I. [The new statute of the CPSU] Pro novyi statut KPSS. Kyiv, Derzhpolitytdav URSR, 1962. 80 p.

Lenin, V. I. [Lenin on the rules of party life and principles of party leadership] O normakh partinnoi zhizni i printsipakh partinogo rukovodstva. Moskva, Gospolizdat, 1963. 560 p.

Leninist norms for party life. N. Lomakin. Part. zhizn' no. 7:15-24 Ap '63.

The party during the period of the Great Patriotic War, June 1941-1945. G. Kovantseva. Komm. Bel. 37 no. 1:55-59 Ja '63.

Party struggle for the rapid development of the national economy and for completing the building of socialism, 1953-1958; on the study of the 17th subject of the "History of the CPSU" course. V. M. Grishin. Vop. ist. KPSS 7 no. 3:83-87 Mr '63.

Production principle in the organization of party organs. N. Mischenko. Komm. Bel. 37 no. 1:32-35 Ja '63.

Studying the topic "The Communist Party is a governing and directing force of Soviet society" in the social science course. O. M. Lushnikov. Rad. shk. 41 no. 2:3-13 F '63.

V. I. Lenin on the party. V. Popov. Part. zhizn' no. 7:70-74 Ap '63.

The way of struggle and victories. V mire knig no. 2:2 of cover-1 F '63.

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

First congress of the Communist Party after the October Revolution. M. V. Rybakov. Vop. ist. KPSS 7 no. 3:18-33 Mr '63.

The last party congress during Lenin's life. Sh. Chivadze. Part. zhizn' no. 7:8-14 Ap '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Chernigov Province; Khmel'nitskiy Province; Moscow; Ukraine)

[Aid for the workers and activist groups in party and state control] V pomoshch' rabotnikam i aktivu partii i gosudarstvennogo kontrolya. Moskva, Gospolizdat, 1963. 28 p.

Benikov, D. S., and L. V. Buz. [The art of propaganda] Maisterniye propagandysta; metodichni porady. Kyiv, Vyd-vo "Molod", 1962. 44 p. (Biblioteka knizomol'skoho propagandysta)

Controllers are effective. N. Kuz'min. Part. zhizn' no. 6:37-40 Mr '63.

Economy should be at the center of attention. Part. zhizn' no. 6:14-17 Mr '63.

Fields and farms are the right place for a specialist. V. Meshcheryov. Part. zhizn' no. 6:28-29 Mr '63.

How the party committee approached the problem. A. Aminev. Part. zhizn' no. 6:18-23 Mr '63.

How the party has developed and strengthened its contacts with the masses, 1953-1962. V. G. Pchelina. Vop. ist. KPSS 7 no. 3:3-17 Mr '63.

An important stage in the fulfillment of the resolutions of the 22nd Congress of the CPSU. Komm. Bel. 37 no. 1:3-8 Ja '63.

In order to shorten the period of the seven-year plan, A. Belov. Polit. samooobr. 7 no. 2:88-92 F '63.

Keeping guard. P. Karpenko. Part. zhizn' no. 7:60-64 Ap '63.

Lenin standards of party life. V mire knig 3 no. 3:1 Mr '63.

Lenin's ideas live and win. Part. zhizn' no. 7:3-7 Ap '63.

Let's bring the chemical enterprises to maximum output. L. Bykova. Part. zhizn' no. 7:44-47 Ap '63.

Loboda, A. I. [Party patrol] Partii dozorni; z dosyidu roboty komissi partinogo kontrolya m. Kiyeva. [Kyiv] Kyivs'ko oblasne knyzhkovno-gazetne vyd-vo, 1962. 27 p.

Measures dictated by life. F. Ivanov. Komm. Bel. no. 1:23-27 Ja '63.

Moscow. Akademiya obshchestvennykh nauk. [CPSU and the workers' mass organizations in the period of the large-scale building of communism] KPSS i massovye organizatsii trudiaschicheskaya v period razvernutoho strotel'stva kommunizma. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963. 178 p.

New leadership system in the economy. Komm. Bel. 37 no. 1:38-38 Ja '63.

Party guidance on collective and state farms. Part. zhizn' no. 7:40-41 Ap '63.

Party news. Part. zhizn' no. 6:70-80 Mr '63.

Party news. Part. zhizn' no. 7:78-80 Ap '63.

Party organization of a theater. L. Rondell. Part. zhizn' no. 6:42-48 Mr '63.

Persistent improvement of party and political work. A. Letov. Grazhd. av. 12 no. 1:4-6 Ja '55.

Success lies in the dynamic work of the communists. V. Sivolob. Part. zhizn' no. 6:30-34 Mr '63.

Weekdays of an inspector and party organizer. IU, Chubarov. Part. zhizn' no. 7:47-48 Ap '63.

Work with people should be in the foreground. N. Viorushin. Part. zhizn' no. 7:38-43 Ap '63.

Workers' qualifications should be raised. B. Dreev. Part. zhizn' no. 6:23-27 Mr '63.

Zhilin, P. I. [Reaching every heart; from the practice in political work in an electoral district] K kazhdomu serdtsu; iz opyta politicheskoi raboty na izbiratel'nom uchastke. Moskva, Sovetskaya Rossiya, 1963. 110 p.

COMMUNIST STATE

Kositsyn, A. P. [The national state] Gosudarstvo vsego naroda. Moskva, Izd-vo "Sovetskaya Rossiya," 1963. 177 p.

COMMUNIST YOUTH LEAGUE

(see also subdivision under Dagestan; Ekibastuz; Gorky; Kiev; Smolensk Province; Stavropol Territory; Tomsk; Transcarpathia; Ukraine; Valga District; Vinnitsa Province; White Russia; Yuzhno-Sakhalinsk; Zernograd District)

The buyer's smile. A. Nagornov. Komsom. zhizn' no. 5:6-9 Mr '63.

Communist Youth League in figures, 1958-1962. Komsom. zhizn' no. 13:15-19 Ji '62.

Communist Youth League is at the forefront. Stroitel' 9 no. 3:1-2 Mr '63.

Communist Youth League's participation in carrying out the tasks assigned to the organs of the party and state control. Part. zhizn' no. 7:25-27 Ap '63.

A detachment without a leader. V. Skorupa. Komsom. zhizn' no. 7:20-24 Ap '63.

Great care should be given to large-scale chemistry. Komsom. zhizn' no. 5:2-5 Mr '63.

Guarding the peace; daily work of the members of the Communist Youth League in the Armed Forces. V. Khaminov. Komsom. zhizn' no. 5:10-22 Mr '63.

Hitchhiking stations. E. Maituzanis. Komsom. zhizn' no. 7:30-31 Ap '63.

How the members of the Communist Youth League should be taught economics. A. Bondarenko. Komsom. zhizn' no. 5:14-19 Mr '63.

"How Vladimir Ilich would rejoice." Reviewed by V. Valeninov. Komsom. zhizn' no. 7:32 Ap '63.

In the Central Committee of the Communist Youth League. Komsom. zhizn' no. 3:30-32 F '63.

In the new committees of the Communist Youth League. Komsom. zhizn' no. 7:14-15 Ap '63.

Let's trust the collective. L. Avdeev. Prof. tekhn. obr. 20 no. 3:23 Mr '63.

Loyalty, love and devotion. A. Fridman. Smena 40 no. 5:14-15 Mr '63.

The main direction. A. Iakovenko. Komsom. zhizn' no. 7:11-15 Ap '63.

A member of the Communist Youth League "tells." Where did he go? IA, Belopolskii, E. Filat'ev. Komsom. zhizn' no. 7:25-26 Ap '63.

Merkur'ev, G. S., and E. I. Savost'yanov. [Brigades and the shock workers of communist labor] Brigady i udarniki kommunisticheskogo truda. Moskva, Uchpedgiz, 1962. 123 p.

[Militant relay race of generations] Boevaya ostatetsa pokolenii; ocherki i dokumenty o gordechaskikh podvigakh komsomol'tsov Armii i Flota. Moskva, Voenizdat, 1963. 561 p.

New objectives lie ahead. V. Gunkov. Grazhd. av. 20 no. 2:13 F '63.

Nikitin, V. P. [Volunteers] Dobrovol'tsy. [Moskva] Molodaya gvardia, 1962. 80 p.

(MII)

Our fathers bequeathed struggle to us. IU, Vasil'ev. Komsom. zhizn' no. 7:18-21 Ap '63.

Principles of the Communist Youth League "searchlight." Komsom. zhizn' no. 7:2-4 Ap '63.

Reins with a hand bell. Komsom. zhizn' no. 3:27-28 F '63.

The reorganization is in progress. Komsom. zhizn' no. 3:2-5 F '63.

A "searchlight" on the open sea. Z. Tsymbul'skaya. Komsom. zhizn' no. 5:7 Mr '63.

So that even a mosquito could not get by! A. Muz'chakov. Ogonek 41 no. 4:9-10 Ja '63.

They killed hope. A. Maslov. Nauka i rel. 4 no. 3:71-72 Mr '63.

The trumpeters sounded the alarm. IA, Kuz'minskii, V. Starikov. Komsom. zhizn' no. 3:6-9 F '63.

Useful comments. N. Fedotov. Komsom. zhizn' no. 13:31-32 Ji '62.

Virgin land farmer is a proud name! V. Spitsyna. Komsom. zhizn' no. 3:24-25 F '63.

[The way upwards] Doroga vverkh. Moskva, Izd-vo "Pravda," 1963. 78 p. (Biblioteka "Komsomol'skoi pravdy," no. 3)

We are not living for small stakes (to be continued). V. Malov, L. Balashkova. Komsom. zhizn' no. 5:21-28 Mr '63.

[We have a restless younger generation; pages from the history of the Communist Youth League] Est' u nas bespokolnoe plemia; stranitsy komsomol'skoi letopisi. [Moskva] Izd-vo "Molodaya gvardia," 1962. 245 p.

Who is guilty: the committee or the "passive" youth? Komsom. zhizn' no. 5:30 Mr '63.

COMMUNIST YOUTH LEAGUE—BIBLIOGRAPHY see Bibliography—Communist Youth League

COMMUNITY AND SCHOOL

Work of patrons in a school. T. Bogdanova, Shkola i prosv., 6 no. 12:76 D '62.

COMMUNITY CENTERS

(see also subdivision under Barguzin District; Donetsk Basin; Drogobych; Kherson; Kiev; Leningrad; Moscow; Odessa; Serafimovka; Smolensk; Soviet Far East; Tashkent; Ural Mountain region; Zlatari)

Attention and help to committees of deputies. V. Kudrina-Kov, Kul't.-pros.rab. 24 no. 1:16 Ja '63.

Issues of the center for workers. M. Azarkh, Klub 12 no. 12:8-9 D '62.

Bright workdays. B. Byk, Klub 12 no. 3:6-7 Mr '63.

The collective-farm plan and the community-center plan. A. Nemchenok, Klub 12 no. 3:11 Mr '63.

Cultural workers form a brigade. Kul't.-pros.rab. 24 no. 3:1-2 Mr '63.

Deeds and plans. F. Rubanova, Klub 12 no. 12:13-14 D '62.

The end is drawing near. A. Samarin, Klub 12 no. 11:20-21 N '62.

Everything should be beautiful in man. V. Panin, Klub 12 no. 12:22-23 D '62.

For communist labor! B. Duletov, Klub 11 no. 3:2-3 Mr '62.

For deep plowing. I. I. Lihanskii, Kul't.-pros.rab. 24 no. 1:28-30 Ja '63.

For the youngest and the oldest. K. Tolin, Klub 12 no. 3:24-25 Mr '63.

Gagarin and his comrades. A. Pinkina, Kul't.-pros.rab. 24 no. 3:14-16 Mr '63.

Help people spread their wings. A. Krylov, Kul't.-pros.rab. 24 no. 3:3-5 Mr '63.

Here are the leaders in the community center! Klub 11 no. 3:1, 2 of cover-1 Mr '62.

In rural community centers. Klub 12 no. 3:8-9 Mr '63.

In the name of communism. Klub 12 no. 3:1-3 Mr '63.

It's time to revise the regulations governing trade-union recreation centers. V. Volkov, Klub 12 no. 9:37 S '62.

Letters to the editor. Kul't.-pros.rab. 24 no. 1:38-43 Ja '63.

Letters to the editor. Kul't.-pros.rab. 24 no. 3:32-37 Mr '63.

News of community centers. Klub 11 no. 3:33-36 Mr '62.

News of community centers. Klub 12 no. 3:33-36 Mr '63.

News of community centers. Klub 12 no. 9:33-36 S '62.

News of community centers. Klub 12 no. 11:33-36 N '62.

News of community centers. Klub 12 no. 12:33-36 D '62.

On Saturday evening... G. Semar, Klub 12 no. 12:20-21 D '62.

The order of the day is study! L. Zhuravleva, Klub 12 no. 12:4 D '62.

Our work with parents. S. Tsirlina, Klub 12 no. 11:32 N '62.

Thanks to you, reader! Klub 12 no. 12:1, 2 of cover-1 D '62.

Time demands this of us... N. Vilenskii, Klub 12 no. 12:5-7 D '62.

A unified plan is needed. P. Alekseev, Klub 12 no. 3:37 Mr '63.

The way to the minds and hearts of students in the older grades. K. Alekseev, Klub 12 no. 11:26-29 N '62.

Welcome, January! N. Shokhina, Klub 12 no. 11:30-31 N '62.

Why people love community centers. Antonina Makarova, Kul't.-pros.rab. 24 no. 1:3-4 Ja '63.

Youth clubs in every district. V. Zhelenkov, Klub 12 no. 12:27 D '62.

COMMUNITY CENTERS—BIBLIOGRAPHY see Bibliography—Community centers

COMMUNITY LIFE

Leisure also means activity. I. Sen'kevich, A. Bel'skii, Komsom. zhizn' no. 3:17-19 F '63.

COMMUNITY ORGANIZATION

Those who love their city. M. Artemenko, Zhil.-kom. khoz. 13 no. 3:11 Mr '63.

COMMUTATION (ELECTRICITY)

Bordin, V. F. [Device for measuring step-wise changes in capacitance. Four-channel commutator with an electronic oscillograph] Izmeritel' skakhoobraznykh izmenenii omkostil. Chetyrekhkanal'nyi kommutator k elektronnykh ostillografam. [By] V. V. Rudakov i G. I. Novikova. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36, No. P-58-78/13)

COMPUTING

Time wasted. V. Bolgov, I. Chernov. Zhil.-kom. khoz. 13 no. 3:21 Mr '63.

COMPENSATION, WORKMEN'S see Employers' Liability

COMPETITION, INTERNATIONAL

Leninist principles of interstate relations. Sh. Sanakoev. Mezhdunar. zhizn' 10 no. 4:3-11 Ap '63.

COMPLEMENT FIXATION

Study of the immunological structure of rural population with respect to typhus fever by the use of complement fixation reaction. Kan Shu-tsin [K'ang Shu-ch'ing]. Trudy Len. inst. epid. i mikrobiol. 23:32-40 '61.

COMPLEX COMPOUNDS

Effect of paramagnetic ions on the magnetic relaxation of fluorine nuclei in solution. A. A. Popel', E. D. Grazhdanikov. Dokl. AN SSSR 149 no. 2:371-373 Mr '63.

Fluorescence complexometric determination of trace amounts of calcium [with summary in English]. E. A. Borzhevolnov, S. U. Krengel'd. Zhur. anal. khim. 17 no. 5:560-564 Ag '62.

Stability of the complex compounds of transition metals. E. A. Shugam. Dokl. AN SSSR 149 no. 2:348-350 Mr '63.

Complex compounds—absorption spectra. Infrared absorption spectra and some problems of the complex formation of inorganic halides with ethers. N. A. Turova, K. N. Semenenko, A. V. Novoselova. Zhur. neorg. khim. 8 no. 4:892-892 Ap '63.

Complex compounds—congresses. Scientific conference devoted to the 25th anniversary of the Tashkent Pharmaceutical Institute. O. E. Zvisgintseva. Zhur. neorg. khim. 8 no. 4:1027 Ap '63.

Compound offenses. Determination of compound offenses. E. A. Frolov, M. A. Efimov. Sov. iust. no. 6:6-9 Mr '63.

Compressed air. Efficient utilization of compressed air systems in paper factories. S. A. Alzenberg. Bum.prom. 38 no. 3:14-16 Mr '63.

New formula for determining the leak of air from a horizontal calson. I. S. Nikol'skii. Osn., fund. i mekh. grun. 5 no. 2:21-24 '63.

Compressed gases see Gases, Compressed

Compressed wood see Wood, Compressed

Compressors (see also subdivision under Sverdlovsk)

Agarov, E. M., and L. E. Medovar. [Electronic indicators for refrigerator compressors] Elektronnye indikatora dlia khilodil'nykh kompressorov nauchnoe soobshchenie. Moskva, Gosstorgizdat, 1962, 54 p.

Effect of the superheating of sucked-in vapor on the performance of a Freon compressor. V. M. Shavra. Khim. tekhn. 40 no. 1:23-29 Ja-F '63.

Energy efficiency of a refrigerator compressor. L. E. Medovar, Khim. tekhn. 40 no. 1:33-37 Ja-F '63.

Experience in operating a piston-type compressor with uniflow valves. V. I. Nikolayev, Energetik 10 no. 6:16 Ja '62.

Experimental electrodynamic compressor for household refrigerators. G. A. Vikhorev, I. M. Shneld. Khim. tekhn. 40 no. 1:17-20 Ja-F '63.

A new turbocompressor for a 3,000 hp. diesel locomotive engine. V. G. Porfirov, A. F. Karpov. Energomashinoostroenie 9 no. 1:27-29 Ja '63.

Seminar on compressor manufacture. Khim. tekhn. 40 no. 1:72 Ja-F '63.

Study of the elements of low-consumption centrifugal compressor stages. I. U. B. Gierkin. Energomashinoostroenie 9 no. 1:11-14 Ja '63.

Compressors—safety appliances. A device for preventing accidents with ammonia compressors. I. U. S. Kendra. Sbor. izobraz. v ryb.prom. za 1959 g. 175-76.

Compulsory school attendance see Educational law and legislation

Concentration camps see subdivision under Germany

Concrete. Bernshtein, S. A., D. S. Aksel'rod, and M. D. Savvina. [New, more waterproof types of concrete with lower consumption of slag portland cement] Navyye vidy betonov povyshennoi vodonepronitsaemosti s ponizhennym raskhodom shlakoportland-tsementa; informatsionnoe soobshchenie. Moskva, Gosgortekhzdat, 1962, 7 p.

Pinus, E. R., and A. M. Radin. [Cement concrete] Tsementobeton. Moskva, Avtoizdat, 1962, 59 p. (V pomoshch' rabochemu dozorniku)

Using insertion wedges with hydraulic drive to break down a block of concrete. N. D. Lazarevich. Prom. stroi. 41 no. 2:42-43 F '63.

Concrete—testing. Electric heating of heat-resistant concrete. A. E. Fedorov, P. A. Mikhailchuk, S. I. Guberis. Prom. stroi. 40 [i.e. 41] no. 4:38-40 Ap '63.

Concrete reinforcement. Anticorrosive coatings for reinforcements in autoclave-hardened lightweight concrete. L. I. Khlopova, K. N. Levin. Stroi. i arkhitekt. Len. 24 no. 9:24-25 S '62.

Behavior of steel reinforcement in cellular concrete roofs of industrial buildings. E. S. Stalenkov, R. A. Zarin. Prom. stroi. 40 [i.e. 41] no. 4:31-35 Ap '63.

Hydrochemical method of tightening the reinforcement of prestressed strengthening strut frames. M. B. Krephanovich. Prom. stroi. 41 no. 2:53-55 F '63.

Possibility of using glass plastics as reinforcement for concrete ship structures. A. B. Golyashev, A. A. Mil'ta Sudostroenie 20 no. 1:64-67 Ja '63.

Ratner, B. R. [Economical steel for helical rib shapes] Ekonomicheskii stal' dlia periodicheskikh profilov. Moskva, Metallurgizdat, 1963, 124 p.

Zaslavskii, I. U. Z. [Reinforcing vertical mine shafts with solid concrete] Kreplenie vertikal'nykh shafolov shakht monolitnym betonom. Kiev, Gostekhzdat USSR, 1962, 100 p.

Radio engineering methods of inspection and their economic effectiveness. N. A. Krylov, G. I. Sakhno. Stroi. i arkhitekt. Len. 25 no. 3:26-28 Mr '63.

Stol'nikov, V. V. [Effect of the age of concrete on its basic engineering properties] Villanie vozrasta betona na ego osnovnye tekhnicheskie svoystva. Moskva, Gos. energ. izd-vo, 1960, 66 p. (Vsesoiuznyi nauchno-issledovatel'skii institut gidrotekhniki. Tekhnicheskai informatsii) (CU)

CONCRETE—TRANSPORTATION

"Instruction for the techniques of transporting and distributing a concrete mix by means of concrete pumps and pneumatic blowers" by M. A. Lipovetskii. Reviewed by N. P. Zimnevich, V. V. Kikunar. Prom. stroi. 41 no. 2:62-63 F '63.

Pneumatic conveying of concrete in construction of the Kiev subway. P. Tutunov, A. Oboznyi. Stroi. i arkhitekt. 10 no. 7:30 Ji '62.

Concrete, precast see Precast concrete

Concrete, prestressed see Prestressed concrete

CONCRETE BLOCKS

Lower hollow foundation blocks. A. Bagrit. Stroi. i arkhitekt. 11 no. 2:37 F '63.

Structural thermal insulation blocks made with granulated fuel slag binding materials. I. S. Il'enko. Izv. vyz. ucheb. zav. stroi. i arkhitekt. 6 no. 1:95-98 '63.

Concrete bridges see Bridges, Concrete

Concrete columns see Columns, Concrete

CONCRETE CONSTRUCTION

Composite storage silo for cement. V. Tairov, G. Chernenko. Stroi. i arkhitekt. 10 no. 7:17-19 Ji '62.

[Construction of industrial kilns, furnaces and smokestacks of heat-resistant concrete] Stroitel'stvo promyshlennykh pechei i trub iz zhurostokogo betona. [By] V. I. Bol'skii, E. S. Vasil'ev i P. I. Tolkachov. Moskva, Gosstrolizdat, 1962, 287 p.

"Supporting vertical shafts with solid concrete" by I. U. Z. Zaslavskii. Reviewed by V. M. Gorodnitchev, R. A. Turenkian. Shakht. stroi. 7 no. 2:31-32 F '63.

Concrete construction—equipment and supplies. Mechanization of the operations in erecting concrete supports in haulage horizons. I. M. Korolev. V. I. A. Litvinov, I. P. Grbanov. Shakht. stroi. 7 no. 2:17-10 F '63.

Concrete construction—formwork. Plastic coating for forms. N. S. Derevianko. Transp. stroi. 13 no. 2:52-53 F '63.

Concrete pavements see Pavements, Concrete

Concrete plants. Development of large-panel housing construction. A. Zhukov. Stroi. i arkhitekt. 11 no. 2:1-3 F '63.

Production line for assembling and finishing airentrained concrete slabs. V. P. Zhgun, I. N. Kukushchev, V. I. Sergeev. Stroi. i arkhitekt. Len. 25 no. 3:13-14 Mr '63.

Concrete plants—costs see subdivision under Bukhara

Concrete plants—equipment and supplies. Machine for cleaning molds. Stroitel' 9 no. 3:6 Mr '63.

Machine for molding hollow products. Stroitel' 9 no. 3:6 Mr '63.

Tsailin, E. S., and I. I. Kolodzil. [The concrete placer and molding equipment operator] Mashinist betonoukladehika i formovochnogo oborudovaniia. Moskva, Proftekhizdat, 1962, 277 p.

Concrete products. Concrete heating panels. G. Shkalikov. Zhil. stroi. no. 2:24-26 '63.

Concrete reinforcement. Anticorrosive coatings for reinforcements in autoclave-hardened lightweight concrete. L. I. Khlopova, K. N. Levin. Stroi. i arkhitekt. Len. 24 no. 9:24-25 S '62.

Behavior of steel reinforcement in cellular concrete roofs of industrial buildings. E. S. Stalenkov, R. A. Zarin. Prom. stroi. 40 [i.e. 41] no. 4:31-35 Ap '63.

Hydrochemical method of tightening the reinforcement of prestressed strengthening strut frames. M. B. Krephanovich. Prom. stroi. 41 no. 2:53-55 F '63.

Possibility of using glass plastics as reinforcement for concrete ship structures. A. B. Golyashev, A. A. Mil'ta Sudostroenie 20 no. 1:64-67 Ja '63.

Ratner, B. R. [Economical steel for helical rib shapes] Ekonomicheskii stal' dlia periodicheskikh profilov. Moskva, Metallurgizdat, 1963, 124 p.

Zaslavskii, I. U. Z. [Reinforcing vertical mine shafts with solid concrete] Kreplenie vertikal'nykh shafolov shakht monolitnym betonom. Kiev, Gostekhzdat USSR, 1962, 100 p.

- CONCRETE REINFORCEMENT—BOND**
Effect of some structural and technical factors on the bond of wire reinforcement with concrete. M. M. Kholmianskii, V. M. Kopt'ev, L. P. Serova, Sbor. trud. MIZHlezebetona no. 3:145-166 '61.
- CONCRETE REINFORCEMENT—WELDING**
Calculations of reactive stresses in reinforcement from submerged arc welding. M. E. Pisitsyn, Transp. stroi. 13 no. 2:45-48 F '63.
Submerged arc welding of reinforcement. N. Chepurnoi, Prom. stroi. i inzh. soor. 4 no. 1:50-52 Ja-F '63.
- CONCRETE ROOFING** see Roofing, Concrete
- CONCRETE SLABS**
Keramzit concrete wall slabs 12 m. long for heated industrial buildings. A. A. Kudriavtsev, Prom. stroi. 40 [i.e. 41] no. 3:19-22 Mr '63.
Production line for assembling and finishing airetrained concrete slabs. V. P. Zhgun, I. N. Kukushov, V. I. Sergaev, Stroi. i arkh. Len. 25 no. 3:13-14 Mr '63.
- CONDENSATION**
Directed deposition of the condensate in stock buildings. L. Anufriev, L. Vasil'ev, Sel'. stroi. 17 no. 2:20 F '63.
Effect of the wetting angle of adsorption layers on the process of capillary condensation. N. E. Peristikh, Sbor. trud. po agron. fiz. no. 10:103-107 '62.
- CONDENSERS (ELECTRICITY)**
Capacitor charge error in analog memory circuits. L. S. Gorn, B. I. Khazanov, Radiotekh. i elektron. 8 no. 3: 527-530 Mr '63.
Device for varying the capacitance of fixed condensers. V. Rozov, Radio no. 12:48-50 D '62.
One method for connecting electrolytic capacitors. M. Kolmakov, Radio no. 12:54 D '62.
- CONDENSERS (STEAM)**
Use of scavenging feed water for preventing incrustation formation in turbine condensers. A. T. Kurnosov, Energetik 10 no. 5:30-31 Je '62.
- CONDITIONED RESPONSE**
Influence of a signal of the significance of time on the process of forming a movement habit in school children. L. D. Dragoli, Dokl. AN 6 no. 6:87-88 '62.
Physiological mechanisms for determining the complex behavior of anthropomorphic monkeys (chimpanzees). A. I. Schastnyi, Dokl. AN SSSR 149 no. 4:995-998 Ap '63.
- CONDUCT OF LIFE**
Answer to "Elizavet'." Stanislav Egorov, Smena 40 no. 1:9-10 Ja '63.
- CONDUCTOMETRIC ANALYSIS**
Amperometric determination of small quantities of thiourea and its use for the amperometric determination of silver [with summary in English]. V. I. Ginzburg, G. I. Vigor, Zhur. anal. khim. 17 no. 5:631-635 Ag '62.
- CONFLOWER** see subdivision under Tashkent
- CONFECTORY—EQUIPMENT AND SUPPLIES**
Moscow, Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Gas-burner systems in the bakery and confectionery industries] Gazogorelochnye ustroistva v khlebopekarnoi i konditerskoi promyshlennosti. Moskva, 1962. 29 p. [MICROFILM]
- CONFORMAL MAPPING**
Method for solving problems involving percolation. A. A. Glushchenko, Ukr. mat. zhur. 15 no. 1:79-85 '63.
- CONGLOMERATE** see subdivision under Irkutsk Basin
- CONGRUENCES AND RESIDUES**
Focal parabolic pairs of congruences. G. N. Makeev, Izv. vys. ucheb. zav. mat. no. 2:70-83 '63.
- CONJUGATIONS (CHEMISTRY)**
Nature of conjugation in esters of azodicarboxylic acid. A. P. Tomilov, I. G. Savast'ianova, S. S. Dubov, Zhur. ob. khim. 33 no. 3:866-867 Mr '63.
- CONJUNCTIVA—DISEASES**
Amyloidosis of the conjunctiva [with summary in English]. E. F. Levkova, Ott. zhur. 17 no. 7:401-406 '62.
- CONNECTIVE TISSUES**
State of the argyrophil ground substance in hyperplastic processes of the cervix uteri in pregnant and nonpregnant women. L. S. Terent'eva, Sov. zdrav. Kir. no. 1: 31-35 Ja-F '63.
- CONSERVATORIES OF MUSIC** see subdivision under Moscow
- CONSTRUCTION EQUIPMENT**
(see also subdivision under Novosibirsk Province; Poland)
"All-purpose" machines. IU, tekhn. 7 no. 3:17 Mr '63.
Construction equipment mounted and hitched to agricultural machines. I. Zolotov, N. Burov, Sel'. stroi. 17 no. 2:12-14 F '63.
- Nauchno-issledovatel'skii institut sel'skogo stroitel'stva.**
[Album of equipment used in rural construction which can be mounted on and hitched to tractors and other machines] Al'bom navesnogo i pritsepnogo oborudovaniia k traktoram i drugim mashinam, primeniamogo v sel'skom stroitel'stve. Sostavlenn po materialam konkursa i zavodov-izgotovitelei. Moskva, Gosstroizdat, 1962. 87 p.
New development in construction equipment. Stroi. i arkh. Len. 24 no. 9:37-39 S '62.
- CONSTRUCTION EQUIPMENT—ABSTRACTS**
[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur. : Gor., stroi. i dor. mashinostr. no. 4 Ap '63.
- CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR**
Akademiia stroitel'stva i arkhitektury SSSR, Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stva. [Instructions (U 5-62) for the major repair of machinery used in construction] Ukazaniia po kapital'nomu remontu mashin, zantatykh v stroitel'stve (U 5-62). Moskva, Gosstroizdat.
No. 1. [Requirements and general technical specifications for the major repair of machinery] Trebovaniia i obshchie tekhnicheskii uslovia po kapital'nomu remontu mashin. 1962. 14 p.
- CONSTRUCTION EQUIPMENT—PATENTS**
Patent protection of construction and road machinery for export. O. V. Pavlov, I. U. D. Sergeev, Stroi. i dor. mash. 8 no. 2:12-15 F '63.
- CONSTRUCTION EQUIPMENT—PERIODICALS**
From the pages of magazines; December 1962. Stroi. i dor. mash. 8 no. 2:38 F '63.
- CONSTRUCTION EQUIPMENT INDUSTRY**
Raise construction and road machinery production to the level of modern objectives. Stroi. i dor. mash. 8 no. 2:1-2 F '63.
Wisely, quickly, economically. Georgii Orel, Sov. Ukr. 12 no. 11:114-125 N '62.
- CONSTRUCTION INDUSTRY**
(see also subdivision under Czechoslovakia; Kharkovsk; Kharkovsk Territory; Kuznetsk Basin; Leningrad; Moscow; Novosibirsk Province; Ryazan; Tallinn; Tula; Udmurt A. S. S. R.; Ukraine; Uzbekistan; Yuzhno-Sakhalinsk)
Communist Youth League is at the forefront. Stroitel' 9 no. 3:1-2 Mr '63.
Contributions of the experience of building metallurgical enterprises to chemical construction projects. V. Terent'ev, Prom. stroi. i inzh. soor. 4 no. 1:1-3 Ja-F '63.
"Directions" needing additions and greater precision. B. Shepetov, Stroi. i arkh. Mosk. 11 no. 8:27-28 Ag '62.
Excellent results. Stroitel' 9 no. 3:9 Mr '63.
For rhythmic, integrated, high-quality construction. E. Samodav, Stroi. i arkh. Mosk. 12 no. 3:1-3 Mr '63.
For technical progress in housing construction. Zhi. stroi. no. 2:1-3 '63.
The high calling of the Soviet builder. S. M. Verzhnikov, Stroi. i arkh. Len. 24 no. 11:7 Ja '62.
In the Board of the Ministry. Transp. stroi. 13 no. 2: 54 F '63.
In the State Committee on Construction of the R. S. F. S. R. Na stroi. Ros. 4 no. 1:31 Ja '63.
In the State Committee on Construction of the R. S. F. S. R. Sel'. stroi. 17 no. 2:29 F '63.
In the Technical Council. Transp. stroi. 13 no. 2:54-3 of cover F '63.
Increase the labor productivity in the construction industry. Vest. sviat. 23 no. 1:8 Ja '63.
Industrial construction in 1963. R. M. Krylov, Prom. stroi. 41 no. 2:2-3 F '63.
Information. Sel'. stroi. 17 no. 2:30 F '63.
[Large-scale production at enterprises of the building materials industry and the construction industry] Proizvodstvenno-massovaya rabota na predpriiatiakh stroitel'nykh materialov i stroitelskoi. [Moskva] Profizdat, 1962. 106 p.
Readers' letters. F. Mukhanov, A. Novikov, Sel'. stroi. 17 no. 2:28 F '63.
Rewards for construction workers in industry. Prom. stroi. i inzh. soor. 4 no. 1:54-55 Ja-F '63.
Shecherbak, B. M. [Interfarm building organization] Mezhholkhoznaia stroitel'nala. [Ulanovsk] Ulanovskoe knizhnoe izd-vo, 1960. 36 p.
- CONSTRUCTION INDUSTRY—ACCOUNTING**
(see also subdivision under Donetsk Province; Rostov Province)
Accounting in construction organizations. Bukhg. uch. 20 no. 2:61-62 F '63.
Practice in using the journal-voucher accounting system in a planning and engineering research organization. A. Sadovnichii, Bukhg. uch. 20 no. 3:51-52 Mr '63.
What standard accounting should be like in the construction industry. N. Chuiko, Bukhg. uch. 20 no. 3:19-23 Mr '63.
- CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION**
(see also subdivision under Kiev; Komsomolsk-on-Amur)
Auditing the fulfillment of the production program in construction. S. Korenisev, Bukhg. uch. 20 no. 3: 4-7 Mr '63.
Building control by State Bank branches. G. Frankin, I. Vadop'ianov, A. Korobkov, Den. i kred. 21 no. 2: 39-46 Mr '63.
- CONSTRUCTION INDUSTRY—BIBLIOGRAPHY** see Bibliography—Construction Industry
- CONSTRUCTION INDUSTRY—COSTS**
We answer questions. Transp. stroi. 13 no. 2:62 F '63.
- CONSTRUCTION INDUSTRY—FINANCE**
Experience which should be disseminated. B. Iosad, I. Khushova, Stroi. i arkh. Mosk. 11 no. 8:13-14 Ag '62.
In the struggle for the effectiveness of capital investment. S. Matorov, Stroi. i arkh. Mosk. 11 no. 8:10-12 Ag '62.
Measures for improving the planning and financing of capital construction. M. Sidorov, Plan. khoz. 40 no. 4:42-47 Ap '63.
- CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY**
The most important, the main thing. Transp. stroi. 13 no. 2:1-3 F '63.
- CONSTRUCTION INDUSTRY—MANAGEMENT**
(see also subdivision under Uzbekistan)
Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshala partinain shkola. Kafedra sovetskoi ekonomiki. [Program on the economics of construction for economic study groups and seminars of the party educational system] Programma z ekonomiky budivnystva dla ekonomichnykh harkiv i seminariv systemy politychnoi osvity. Kyiv, Derzh. polityvyd. URSSR, 1962. 31 p.
Workers participate in the management of production. Stroitel' 9 no. 3:11 Mr '63.
- CONSTRUCTION INDUSTRY—PERIODICALS**
From the pages of magazines. Prom. stroi. 41 no. 2: 3 of cover F '63.
- CONSTRUCTION INDUSTRY—PRICES**
Russia (1917- R. S. F. S. R.) Gosudarstvennyi komitet po dolam stroitel'stva. [Price list for the construction of housing and buildings serving cultural and public needs in cities and territorial regions of the R. S. F. S. R.] Prolektantnyy tseny na zhilishchnoe i kul'turno-bytovoe stroitel'stvo po gorodam i territorial'nym raionam RSFSR. Moskva, Gosstroizdat, 1962. 212 p.
- CONSTRUCTION INDUSTRY—PRODUCTION METHODS**
For further improvement of the new method of housing construction. S. M. Verzhnikov, Stroi. i arkh. Len. 25 no. 3:1-2 Mr '63.
Forms of work organization are improving. Stroitel' 9 no. 3:22-24 Mr '63.
Kostikov, L. M. [A house comes off the production line] Dom s konvolern. Moskva, Izd-vo "Sovetskaya Hoz. sln." 1962. 91 p.
One story in six days. Stroitel' 9 no. 3:27-28 Mr '63.
Poradnii, A. L., and N. V. Puchkovskii. [Present state and prospects for the development of dispatching at housing construction combines] Sostoianie i perspektiva razvitiia dispetcherizatsii domostroitel'nykh kombinatov. Leningrad, 1962. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'nala promyshlennost', no. 20)
Tuzov, M. S. [Organizational and technical structure of preparatory operations] Organizatsionno-tekhnicheskaya struktura rabot nulevogo taikha; stonogramma lektai, prochitannoi na taikho lektai dla rukovodiashego sostava inzhonerno-tekhnicheskikh rabotnikov stroitel'nykh organizatsii Leningrada, Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961. 21 p.
V. Popov's integrated crew. Stroitel' 9 no. 3:10 Mr '63.
We do the finishing work in 16 apartments in nine days. Stroitel' 9 no. 3:26-27 Mr '63.
- CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS** see subdivision under Leningrad
- CONSTRUCTION WORKERS**
(see also subdivision Bratsk; Kama Kam; Karelia; Solnechnyy; Tainaki, Krasnoyarsk Territory; Uzbekistan)
Porednii, I. N., and M. N. Riabchikov. [We are soldiers doing construction work] My - voennye stroiteli. Moskva, Voenizdat, 1962. 48 p. (Olichniki ucheby - o svoem opyte)
Siberian galaxy. Sov. Soiz. no. 4:6-11 '63.
While you are young. Semen Shurinkov, Ogonek 41 no. 3:6-8 Ja '63.
Young builders at the start. G. N. Kharchenko, I. A. TSadikovich. Teor. i prak. fiz. kul't. 26 no. 2:6-9 F '63.

- CONSUMER CREDIT**
Accounting for goods sold on credit. E. Novak and others. Bukhg. uchët. 20 no. 3:60-63 Mr '63.
- CONSUMPTION (ECONOMICS)**
Lushina, N. L. [Role and significance of public consumption funds under socialism] Rol' i znachenie obshchestvennykh fondov potrebleniya pri sotsializme. Moskva, Vysshaya shkola, 1962. 97 p. (Materialy k lektsiiam po politekonomii)
V. I. Lenin on the study of public consumption. I. Malyi. Plan. khoz. 40 no. 4:11-22 Ap '63.
- CONTAINER INDUSTRY** see subdivision under Moldavia
- CONTAINERS**
Container for transporting canned food. I. F. Danilevskii. Sbor. izobr. v ryb. prom. za 1959 g. :83-84.
- CONTAINERS—ABSTRACTS**
[Containers shipments and the interaction of various types of transportation] Ref. zhur. : Vzaimodela. raz. vtd. transp. i kont. perov. no. 4 Ap '63.
- CONTINUOUS CASTING—EQUIPMENT AND SUPPLIES**
Rotating gating systems in the continuous casting of pipe. A. M. Gora, V. A. Davydov. Lit. proizv. no. 1: 13-16 Ja '63.
- CONVERTERS—MODELS**
Experimental investigation of converter tilting moments. V. M. Grebenik and others. Izv. vys. ucheb. zav. : Chern. met. 6 no. 2:165-175 '63.
- CONVEYING MACHINERY**
(see also subdivision under Kuznetsk Basin; Vilnius; Yaroslavl)
Automatic control of conveyor lines with reversing of conveyors. E. P. Abramtsev. Sbor. KuzNIIU no. 8: 150-154 '61.
Automatic control of unloading trucks of belt conveyors. A. I. Finkel'. Vest. mashinost. 43 no. 3:35-39 Mr '63.
Cableless network for remote automatic control of conveyors with one lead in the control circuit. P. R. Kozlovskii, A. N. Stepkin. Sbor. KuzNIIU no. 8:161-165 '61.
Cableless sparkproof network with three bare conductors for lines with radial feeding for automatically controlling conveyors made by the Kuznetsk Scientific Research Coal Institute. S. S. Bogutskii, P. R. Kozlovskii, A. N. Stepkin. Sbor. KuzNIIU no. 8:166-170 '61.
Hinged cars for overhead conveyors. S. A. Kashechev. Vest. mashinost. 43 no. 2:74-77 F '63.
Simplified cableless network for the automatic control of conveyors. S. S. Bogutskii, P. R. Kozlovskii. Sbor. KuzNIIU no. 8:144-149 '61.
Sparkproof network for automatically controlling conveyors which guarantees motors against delayed starts, made by the Kuznetsk Scientific Research Coal Institute. A. D. Vasil'ev, E. P. Abramtsev. Sbor. KuzNIIU no. 8: 137-143 '61.
Suspension for attaching frying boxes, trays, etc. to the units of a chain conveyor. P. K. Kozlovskii. Sbor. izobr. v ryb. prom. za 1959 g. :80-81.
Unit for hauling a purse seine on the ship. P. I. Ivantsev, L. A. Ganf. Sbor. izobr. v ryb. prom. za 1959 g. :29-30.
Valson, A. A. [Hoisting and conveying machinery of the construction industry; atlas of technical drawings] Pod'emno-transportnye mashiny stroitel'noi promyshlennosti; atlas konstruktiv. Moskva, Mashgiz, 1962. 161 p.
- CONVEYING MACHINERY—MAINTENANCE AND REPAIR**
Increasing the durability of the worm on mold-conveyor machines. L. F. Oleinikov. Lit. proizv. no. 5:40 My '62.
- CONVEYING MACHINERY—SAFETY APPLIANCES**
Emergency signal system on worm conveyors. V. T. Marfanchuk. Transp. stroi. 13 no. 2:51-52 F '63.
- CONVEYING MACHINERY—STANDARDS**
Standard overhead conveyor galleries. V. Takhtamyshov. Prom. stroi. i inzh. scor. 4 no. 1:38-40 Ja-F '63.
- CONVICT LABOR**
Tkachevskii, I. M. [Work units in corrective labor colonies] Otslennaya sistema v ispravitel'no-trudovykh koloniakh; lektsiya dlia studentov iuridicheskogo fakul'teta. [Moskva] Izd-vo Mosk. univ., 1962. 29 p.
- COOKERY**
Advice for the cook. Sov. potreb. koop. 7 no. 4:61 Ap '63.
Dufekis, N. G., and R. P. Kengis. [Preparation of flour-using confectionery products] Prigotovlenie mучnykh konditerskikh izdelii. Pod obshch. red. N. I. Lakovlova. Moskva, Gostorgizdat, 1963. 214 p.
Golden ear. Nikita Bolotnikov. Sov. Soluz no. 2:25-20 '63.
- COOKERY (VEGETABLES)** see subdivision under Mokryy Ido Valley
- COOKERY, GEORGIAN**
Georgian cookery. Sov. Soluz no. 4:47 '63.
- COOKING SCHOOLS** see subdivision under Alma-Ata
- COOLING TOWERS**
Determination of the resistance factor of wooden porous cooling tower sprinklers. I. S. Sheerbina. Elek. sta. 34 no. 3:78-79 Mr '63.
Reinforcement of the wooden frames of the sprinklers of pellicular cooling towers. V. I. Gorbenko. Elek. sta. 34 no. 3:79-80 Mr '63.
Use of cold asphalt mastic in the construction of a cooling tower. V. P. Sirmads, D. A. Kutovoi. Prom. stroi. 40 [i. e. 41] no. 3:41-42 Mr '63.
- COOPERATION**
Nature and role of cooperation during the period of the transition from capitalism to socialism. A. Kossol. Vop. ekon. no. 2:82-92 F '63.
- COOPERATIVE EDUCATION** see Education, Cooperative
- COOPERATIVE SOCIETIES**
(see also subdivision under Algydzher; Chernkent Province; Dzhambul Province; Japan; Karaganda Province; Kazakhstan; North Kazakhstan Province; Rostov Province; Ust'-Labinsk; West Kazakhstan Territory)
[The economics and planning of Soviet cooperative trade] Ekonomika i planirovaniye Sovetskoi kooperativnoi torgovli. [By] V. F. Eliseev i dr. Moskva, Izd-vo TSentralsoluzna, 1962. 354 p.
Editor's mail. Sov. potreb. koop. 7 no. 4:36-38 Ap '63.
V. I. Lenin on the participation of the masses in economic development. V. Filatov. Sov. potreb. koop. 7 no. 4:1-4 Ap '63.
- COOPERATIVE SOCIETIES—MANAGEMENT** see subdivision under Isyngulovo (Zlanchurinskii District); Ukraine
- COORDINATES**
Using the radio geodetic method to determine right-angle coordinates of base stations. E. V. Pashkin. Razved. i prom. geofiz. no. 46:72-79 '62.
- COPPER—ANALYSIS**
Gas content of wire bar copper. V. L. Ziazev, B. N. Zagrebaliy. I. N. Tamurov. Izv. AN SSSR. Old. tekhn. nauk. Met. i gor. delo no. 1:80-86 Ja-F '63.
- COPPER—METALLURGY**
Kinetics of the interaction of copper sulfide and cuprous oxide. B. I. Sergin, O. A. Esin, B. M. Lepinskikh. Izv. AN SSSR. Old. tekhn. nauk. Met. i gor. delo no. 1:87-90 Ja-F '63.
- COPPER ALLOYS**
Heating of riser heads on copper alloy castings. M. V. Bogovoi, F. L. Gribova. Lit. proizv. no. 5:2-4 My '62.
- COPPER ALLOYS—INCLUSIONS**
Refining copper alloys from oxide inclusions. A. V. Kurdumov. Lit. proizv. no. 5:41-42 My '62.
- COPPER-ALUMINUM ALLOYS** see Aluminum-copper alloys
- COPPER BROMIDES**
Precipitation reactions of copper subbromides by ammonia. A. K. Kirakosian. Zhur. neorg. khim. 8 no. 4: 905-910 Ap '63.
- COPPER CHLORIDES**
Complex compounds of acetylene with CuCl - NH₄Cl. Part 1. A. L. Kleban'skii, I. M. Dolgopoli'skii, Z. F. Dobler. Zhur. ob. khim. 33 no. 3:761-768 Mr '63.
Effect of various factors on the formation of the complex compounds of acetylene with CuCl - NH₄Cl, and properties of the latter. Part 2. A. L. Kleban'skii, I. M. Dolgopoli'skii, Z. F. Dobler. Zhur. ob. khim. 33 no. 3: 768-772 Mr '63.
- COPPER DICHROMATE**
Cocrystallization of potassium dichromate and cupric nitrate with potassium nitrate. E. V. Khmakii, Z. A. Kozina. Dokl. AN SSSR 149 no. 4:915-917 Ap '63.
- COPPER ORES** see subdivision under Dnieper Valley
- COPPER OXIDE CRYSTALS**
Frenkel excitons in the copper oxide crystal [with summary in English]. N. V. Starostin. Vest. LGU 18 no. 4:20-33 '63.
- CORALS, FOSSIL** see subdivision under Tas-Khayakhikh Range region; Tien Shan
- COREMAKING**
Automation in the manufacture of intricate cores. E. A. Davydov. Lit. proizv. no. 2:14-17 F '63.
Core mixtures with good knockout qualities. F. A. Degtiar. Lit. proizv. no. 5:45-46 My '62.
Four-way vertical core-dryer. V. P. Antonov, A. T. Kazimirov. Lit. proizv. no. 2:13-14 F '63.
Vertical core prints. N. P. Chesnokov, I. K. Goncharov. Lit. proizv. no. 2:41 F '63.
- CORES (ELECTRICITY)**
Study of transformers with four apertures. V. P. Krotenko. Avtomatika 8 no. 1:59-62 '63.
- CORES (ELECTRICITY)—TESTING**
Akademika nauk SSSR, Institut lochnoi mekhaniki i vychislitel'noi tekhniki. [Description and instructions for operating the "S-1" stand for the impulse testing of ferrite cores] Opisaniye i instruktsiya po ekspluatatsii standarta "S-1" dlia proverki ferritovykh serdechnikov v impul'snom rezhime. 2 izd. Moskva, 1960. 37 p.
- CORN (MAIZE)**
(see also subdivision under Lugansk Province; Moscow Province)
Heterosis hybrids of sugar corn for canning. N. V. Govorov. Kona. i ov. prom. 18 no. 3:28-31 Mr '63.
Khanmurzaev, Isa. [Corn loves care] Kukuruza lubit ukhod. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1962. 26 p. (DNAL)
Queen of the table. Vanda Beletskaya. Ogonok 41 no. 7:22-23 F '63.
The SKN-6 combination corn planter. V. I. Serov. Trakt. i sel'khozmash. 33 no. 2:42 F '63.
- CORN (MAIZE)—FERTILIZERS AND MANURES** see subdivision under Ukraine; Uzbekistan
- CORN (MAIZE)—HARVESTING**
The PPN-30 earcorn picker and loader. I. P. Shvetsov, A. V. Petrovskii. Trakt. i sel'khozmash. 32 no. 12:31 D '62.
- CORN (MAIZE)—IRRIGATION**
Garin, K. S., V. D. Koval', and N. K. Shul'ga. [Irrigation of corn] Orosheniye kukuruzy. Moskva, Sel'khozizdat, 1962. 79 p. (DNAL)
- CORN (MAIZE)—VARIETIES**
For the fields of all latitudes. Sov. Soluz no. 2:25-27 '63.
- CORN (MAIZE)—WATER REQUIREMENTS**
Water consumption by corn in turf-Podzolic soils [with summaries in English, German and French]. N. N. Tret'yakov, A. P. Sinitsyna. Vest. sel'kh. nauk. 7 no. 12:25-30 D '63.
- CORN (MAIZE), CANNED**
Vsesoluznyi seminar po proizvodstvu konservov i pishchevykh koncentratov i kukuruzy, Moscow, 1961. [Use of corn in the canning and concentrated food industry] Primeneniye kukuruzy v konservnoi i pishche-konsentratnoi promyshlennosti; sbornik dokladov. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 37 p. [MICROFILM]
- CORN PRODUCTS**
Golden ear in a show window. A. Kozlov. Sov. targ. 36 no. 3:55-58 Mr '63.
Vsesoluznyi seminar po proizvodstvu konservov i pishchevykh koncentratov i kukuruzy, Moscow, 1961. [Use of corn in the canning and concentrated food industry] Primeneniye kukuruzy v konservnoi i pishche-konsentratnoi promyshlennosti; sbornik dokladov. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 37 p. [MICROFILM]
- CORNCODS AS FEED**
Feeding corncocks. H. Z. Hruzman. Vityak sil'kosp. nauky 6 no. 2:104-107 F '63.
- CORNEA**
Studying the mitotic cycle of the epithelial cells of the cornea in mice using tritium-labeled thymidine. M. G. Chumak. Dokl. AN SSSR 149 no. 4:960-962 Ap '63.
- CORNEA—TRANSPLANTATION**
New method of transplant fixation in partial penetrating corneal grafting [with summary in English]. S. P. Petrunia. Oft. zhur. 17 no. 7:406-409 '62.
- CORNEA—WOUNDS AND INJURIES**
Healing of penetrating wounds of the cornea and the role of the nervous apparatus and the argyrophilic substance in this process. Sh. M. Ismailzade. Azerb. med. zhur. 40 no. 1:31-36 Ja '63.
Histochimical study of carbohydrate metabolism in the regeneration of corneal wounds using different methods of treatment [with summary in English]. L. B. Zets, G. A. Dugeliy. Oft. zhur. 17 no. 7:432-437 '62.
- CORONARY HEART DISEASE**
Changes in venous pressure in coronary disease. B. K. Makhishvili, N. M. Belchorodova. Vop. pat. krov. i krovoobr. no. 0:159-165 '61.
- CORONARY VESSELS—DISEASES**
Block of the crux of the bundle of His in hypertension and atherosclerosis. N. B. Supatova. Sov. zdrav. Kir. no. 1:3-8 Ja-F '63.
- CORUNDUM** see subdivision under Azov Sea region
- CORPORATIONS**
Business leadership in the large corporation [in English] by R. A. Gordon. Reviewed by P. Aleksandrov. Mir. ekon. i mezhdunar. otn. no. 3:136-142 '63.

CORRELATION (STATISTICS)

Kamenskii, I. S. [Correlation] *Izmerenie svyazi [korrelyatsiya]: uchebnoe posobie po teoreticheskoi statistike*. [Leningrad] Izd-vo Leningr. univ., 1962, 47 p.

CORRESPONDENCE SCHOOLS AND COURSES

By raising requirements we increase progress. I. A. Samokhotskii. *Sred.spets.obr.* 10 no.2:40-41 F '63.
Correspondence courses for improving the qualifications of workers with secondary education. G. B. Kasparov. *Sred.spets.obr.* 10 no.2:42-44 F '63.
For the attention of engineering and technical workers in the machinery industry. Sots.trud 8 no.3:159 Mr '63.
Form of education which reaches the greatest number of people. V. Bratnikov. *Sov.potreb.koop.* 7 no.4: 41-47 Ap '63.
Greater attention and assistance should be given to students of correspondence schools. D. T. Protosov. *Kons.i ov.prom.* 18 no.3:1-2 Mr '63.
Legal correspondence schools. P. Grishaev. *Sots.zakon.* 39 no.10:29-33 O '62.
Measuring the progress of correspondence students. N. I. Fafans. *Sred.spets.obr.* 10 no.2:38-40 F '63.
Methods of training correspondence students to work with books. A. A. Sobolenskii. *Sred.spets.obr.* 10 no.3:5-8 Mr '63.

CORROSION AND ANTICORROSIVES

Corrosion protection of the steel elements of water-sealed gas holders. V. A. Korchagin. *Prom.stroi.* 41 no.2:38-40 F '63.
Corrosion resistance of stainless chromium-nickel steels in sodium as dependent on its oxygen content. G. I. Mineev. *Atom.energ.* 14 no.4:374-382 Ap '63.
Economics of anticorrosion coatings under industrial conditions. R. M. Sverdlova. *Koks i khim.* no.3:50-52 '63.
Effect of esters and salts of hydroxy- and polyamines on the precipitability and corrosion activity of fuels containing cracked constituents. V. N. Zrellov, V. M. Melekhin. *Zhur.prikl.khim.* 36 no.2:389-394 F '63.
Effect of some organic substances on the corrosion rate of metals in sulfuric acid. I. A. Levin, E. M. Solomon. *Khim.prom.* no.1:69-70 Ja '63.
Electric arc hard facing of valves working in corrosive media. B. P. Kapralov, R. S. Kurochko. *Svar.proizv.* no.3:38-40 Mr '63.
Experimental and theoretical basis for the anodic protection of metals from corrosion in aggressive media... I. A. M. Kolotyrykin, V. M. Kizheva. *Khim.prom.* no.1:40-47 Ja '63.
Krasnolarskii, V. Y., and A. K. Lartov. [Underground corrosion of metals and ways to control it] *Podzemnaia korrozia metallov i metody bor'by s nei*. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962, 215 p.
Mechanism of the prevention of corrosion cracking by means of corrosion inhibitors. N. I. Podobaev. *Zhur.prikl.khim.* 36 no.2:362-372 F '63.
[Protection of metals from corrosion; wear-resistant, finishing, and decorative coatings] *Zashchita metallov ot korrozii, iznosostoiike, odelochnye i dekorativnye pokrytiia*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos. 1-8, 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. Nos. M-58-19/2, M-58-80/5, M-58-88/8, M-58-90/9, M-58-100/10, M-58-169/19, M-58-257/26, M-58-262/27)

Protectors. V. Pavlov. *Znanie-sila* 38 no.1:30-31 Ja '63.

CORROSION AND ANTICORROSIVES—HANDBOOKS, MANUALS, ETC.

Vinarskii, V. L. [Manual for the worker engaged in corrosion control] *Spravochnik mastera protivokoroznykh rabot*. Kiev, Gosstroizdat USSR, 1962, 167 p.

CORROSION-RESISTANT MATERIALS

Corrosion-resistant properties of stainless steel alloyed with cobalt. G. P. Sosnin. *Probl.stom.* 6:323-326 '62.

CORROSION-RESISTANT MATERIALS—CLIMATIC FACTORS

Gavriluk, A. M. [Anticorrosion coatings and materials for tropical climate conditions] *Antikorrozionnye pokrytiia i materialy dlia ustlovi tropicheskogo klimata*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 7 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-178/20)

COSMIC RAYS

Inter-American seminar on cosmic rays. S. I. Nikol'skii. *Vest. AN SSSR* 33 no.3:181-184 Mr '63.

COSMOGONY

Smorodinskii, I. A. A. [Geometry of the universe] *Geometriia Vselennoi*. Moskva, Izd-vo "Znanie," 1963, 47 p. (Novoe v zhizni, nauke, tekhnike, IX Seriya: Fizika i khimiia, no.4)

COSMOLOGY

Behavior of light in a pulsating universe [with summary in English]. P. Sengupta. *Astron.zhur.* 40 no.2:277-278 Mr-Apr '63.

COSMOPOLITANISM see Internationalism

COST ACCOUNTING

Flomenbll, I. R., and G. P. Galuzinskii. [A standard accounting method for production expenditures] *Normativnyi metod ucheta zaiat na proizvodstvo*. Moskva, Ekonomizdat, 1962, 155 p.

COST AND STANDARD OF LIVING

(see also subdivision under Europe, Eastern; Moscow)
Distribution in accordance with labor and public consumption funds. A. Chukhno. *Vop.ekon.* no.3:49-54 Mr '63.

Figurnov, S. P. [The building of communism and the growth of the people's prosperity] *Stroitel'stvo kommunizma i rost blagosostoiania naroda*. Moskva, Sotskizgiz, 1962, 204 p.

Landin, E. I. [Workers' real wages and income] *Real'naiia zarabotnaia plata i dokhody trudiaschichkhsia*. Minsk, Izd-vo Akad. nauk BSSR, 1962, 168 p.

COSTS, INDUSTRIAL

(see also subdivision under Bulgaria)
[Daily accounting and control over the cost of production] *Ezhednevnyi uchët i kontrol' za sebestoimost'iu produktsii; sbornik statei*. Moskva, Gosfinizdat, 1962, 95 p.
Profit and profitability in a socialist economy. R. Karagadov. *Polit.samoobr.* 7 no.2:123-129 F '63.

Shellakin, F. M. [Production and marketing costs under socialism and how to reduce them] *Izderzhki proizvodstva i obrashcheniia pri sotsializme i puti ikh snizheniia*. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963, 79 p.

Using production cost norms for measuring the volume of production and labor productivity. L. B. Peisakhson. *Izv.vys.ucheb.zav.; tekhn.leg.prom.* no.1:21-27 '63.

COSTUME

Dance costume. E. Aksel'rod. *Kul't.-pros.rab.* 24 no.1:45 Ja '63.

COTTON

Effect of lipazine on the content and composition of free sugars and amino acids in the cotton plant. A. F. Idiatulina. *Vop.biol.i kraev.med.* no.3:127-131 '62.
Internal surface and capillary structure of crude and mercerized cotton cellulose. N. I. Klenkova, G. P. Ivashkin. *Zhur.prikl.khim.* 36 no.2:398-409 F '63.

COTTON—DISEASES AND PESTS

Effect of gamma rays of Co⁶⁰ on the armyworm *Laphygma exigua* Hb. V. R. Sidorova. *Vop.biol.i kraev.med.* no.3:154-158 '62.
Intoxication of cotton with organophosphorus insecticides in relation to its water-supply. T. V. Bobyreva. *Vop.biol.i kraev.med.* no.3:178-181 '62.
Role of bugs in the falling off of the fruit organs and the disturbance of the physiological and biochemical processes of the cotton plant. M. Snykov. *Vop.biol.i kraev.med.* no.3:159-161 '62.

COTTON GROWING

(see also subdivision under Uzbekistan)
New effective cotton defoliants. L. Kh. Abdullinaeva. *Vop.biol.i kraev.med.* no.3:115-121 '62.

COTTON MACHINERY

Arifov, U. A., and others. [Delinting cottonseed] *Ogolenie semian khlopchatnika*. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962, 330 p.

COTTON WILT

Reaction to inoculation with *Verticillium dahliae* and *Fusarium vasinfectum* in cotton varieties of various resistance. O. F. Krasnoshechekova. *Vop.biol.i kraev.med.* no.3:38-50 '62.

COTTONSEED

Arifov, U. A., and others. [Delinting cottonseed] *Ogolenie semian khlopchatnika*. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962, 330 p.
Effect of different temperatures on the change of protein substances in cottonseed during the process of their germination. T. Nasibov. *Vop.biol.i kraev.med.* no.3:247-250 '62.
Enzyme activity in the complete ripening of cottonseed. A. Mansurova. *Vop.biol.i kraev.med.* no.3:111-114 '62.

COUMARIN

Series of pyran, its analogs, and related compounds. Part 2: Dialkylaminomethylation of esculetin and 4-methylesculetin. V. A. Zagorevskii, D. A. Zykov. *Zhur.ob.khim.* 33 no.3:793-797 Mr '63.

COUMARIN—ABSORPTION SPECTRA

Infrared spectra of the coumarin and furanocoumarin series. M. E. Perel'son. *Zhur.ob.khim.* 33 no.3: 952-955 Mr '63.

COUNTERPOINT

Skrebkov, S. S. [Polyphony and polyphonic forms] *Polyfonia i polifonicheskie formy*. Moskva, Sovetskii kompozitor, 1962, 44 p. (V pomoshch' slushateliama narodnykh universitetov kul'tury. *Bosedy o muzyke*)

COUNTRY SCHOOLS see Rural schools

COUPLINGS

The problem of turbocouplings. IU. F. Chernikovsky. *Stroi.i dor.mash.* 8 no.2:6-7 F '63.

COURAGE

"Wind of valor" by Boris Dubrovlin. Reviewed by A. G. Khov. *Voen.znan.* 39 no.2:39 F '63.

COURTS

(see also subdivision under Europe, Eastern; France; Gorky; Moscow)
Basic rights and obligations of the people's assessors of Soviet people's courts. E. Koval'chuk. *Sov.iust.* no.7:19-20 Ap '63.
Documents of people's courts, 1917-1922. IU. S. Tskaryev. *Trudy LGI AN SSSR* no.5:143-175 '63.
How to organize the work of a council of people's assessors. F. Fedorov. *Sov.iust.* no.6:16-17 Mr '63.
Let's tell newly elected people's assessors about the methods of our work. V. Tsentsiper, P. Andreanov. *Sov.iust.* no.4:22-23 F '63.
Sad story about a divorce case. A. I. Aleksandrov. *Sov.iust.* no.4:26-27 F '63.
We should improve the examination of the letters, requests, and complaints of workers. *Sov.iust.* no.6: 2-4 Mr '63.

COURTS—MARTIAL AND COURTS OF INQUIRY

A member of a military tribunal. V. Manlov. *Sov.iust.* no.4:19-20 F '63.

COWS—FEEDING AND FEEDS

Digestion in the rumen of cows and utilization of feed nitrogen in various types of protein nutrition. R. V. Kurlov, R. T. Atropatova. *Vest.sel'khoz.muzh.* 7 no.12:51-54 D '62.

COXIELLA

(see also subdivision under Leningrad)
Excretion of *Rickettsia burnetti* by the bedbug (*Cimex lectularius* L.) A. B. Dattor. *Trudy Len.iust.epid.i mikrobiol.* 23:100-105 '61.
Localization and dissemination of *Rickettsia burnetti* in the organism of a bedbug. IU. S. Balashov, A. B. Dattor. *Trudy Len.iust.epid.i mikrobiol.* 23:101-102 '61.

CRACKING PROCESS

Electrocracking of sulfur-bearing oil distillates for the purpose of obtaining acetylene, olefins, hydrogen, carbon black, and sulfur-containing products. A. D. Karyin, V. D. Obrezkov, D. A. Silurov. *Zhur.prikl.khim.* 36 no.2:424-429 F '63.
Study of the conversion of mono- and dimeric aromatic benzenes under conditions of catalytic cracking taking the hydrogen redistribution into account. M. B. Musker, G. A. Gukasova. *Azerb.khim.zhur.* no.2:55-58 '62.

CRANES, DERRICKS, ETC.

(see also subdivision under Riga)
Combined method of assembling bridge cranes. IU. V. Makarov. *Prom.stroi.* 40 [i.e. 41] no.3:40-41 Mr '63.
Crane made of precast reinforced concrete. A. Iaptev. *Na stroi.kos.* 4 no.1:25-26 Ja '63.
Design of the metal elements of tower cranes. I. I. Abramovich. *Stroi.i dor.mash.* 8 no.2:7-10 F '61.
Efficient organization of assembly work in a potential for lowering the cost of building one-story industrial buildings. S. A. Pichugin, K. T. Buzan. *Izv.vys.ucheb.zav.; stroi.i arkh.* 0 no.1:54-59 '63.
Erofeev, N. I. [Gantry cranes] *Portal'nye krany*. Moskva, Morskoi transport, 1962, 561 p.
Gantry crane for the relocation and exchange of rails. A. G. Truf'inkov, V. V. Fomin. *Put'i put.khoz.* 7 no.1:18-19 '63.
Gonskii, G. V. [Eccentric load limiting device. High-speed d.c. electromagnet] *Ekstentsivnyi ogranichitel' gruzopod'zhamosti. Bystrodelivushchii elektromagnit postoiannogo toka*. [By] A. I. Bifuma. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 28. No. T-57-16/9)

Lantsov, V. A., and R. N. Ulanov. [Hitched construction cranes] *Pritsepnye stroitel'nye krany*. Leningrad, 1961, 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmon perodovymi opytom. Seriya: Stroitel'naiia promyshlennost', no.28)

"Metal structures of weight-lifting machinery and constructions" by P. E. Boguslavskii. Reviewed by P. B. Gol'man, P. I. Tatarinov. *Vest.mashinost.* 43 no.2:92-94 F '63.

Precast reinforced concrete cross-tie slabs for crane tracks. M. Zaidler. *Stroi.i arkh.* 10 no.7:31-32 Ji '62.

CRANES, DERRICKS, ETC.—EQUIPMENT AND SUPPLIES

Diaphragms which join steel crane girders with columns. A. M. Iakushev. Prom.stroi. 40 [i.e. 41] no. 4:57-58 Ap '63.

Endurance of light crane girders with a span of 6 m. I. E. Spengler, S. M. Rodov. Prom.stroi. 40 [i.e. 41] no. 4:40-52 Ap '63.

Some problems of increasing the economy of crane girders. N. S. Roshkovetskii, V. A. Volchanskii. Prom.stroi. 40 [i.e. 41] no. 4:52-53 Ap '63.

CRANES, DERRICKS, ETC.—SAFETY MEASURES see subdivision under Ukraine

CRANIOLOGY

(see also subdivision under Turkmenistan)

Correlation between the degree of development of the temporal muscles and the morphological features of the cranial and facial parts of the human skull. M. I. Uryson. Vop.antr. no. 11:3-15 '62.

CRANIOMETRY

Methods for measuring the zygomatic angle. I. S. Guseva. Vop.antr. no. 11:106-118 '62.

Variability of the parietal lobe on the endocranial casts of hominids. V. I. Kochetkova. Vop.antr. no. 11:16-28 '62.

CRANKS AND CRANKSHAFTS

Casting magnesium iron crankshafts. P. I. Sorokin and others. Lit. proizv. no. 5:8-9 My '62.

Rebuilding of crankshafts. V. Borisenko, Sel', mekhn. no. 8:30 '62.

CRANKS AND CRANKSHAFTS—VIBRATION

Characteristics of the design of double rubber dampers of torsional vibrations of high-speed engine crankshafts. V. Z. Karas'. Vest. mashinost. 43 no. 3:3-10 Mr '63.

CRAWLER TRACTORS

Increasing the wear resistance of the rollers of caterpillar chains. M. S. Polisk. Trakt. i sel'khozmasn. 32 no. 12:38 D '62.

CRAWLER TRACTORS—DYNAMICS

Roadability of crawler tractors. V. A. Skotnikov. Trakt. i sel'khozmasn. 33 no. 1:4-7 Ja '63.

CREATIVE ACTIVITIES AND SEAT WORK

Decorative and thematic applique in the grades 1-4. S. S. Vasylyshyn. Rad.shk. 41 no. 1:36-59 Ja '63.

CREDIT

Increasing the role of credit in the material stimulation of the work of an enterprise. V. Balyrev. Den. i kred. 21 no. 3:12-20 Mr '63.

Interest enterprises in raising their planned tasks. L. Zhebrak. Den. i kred. 21 no. 3:21-23 Mr '63.

Let's extend fuller credit for seasonal merchandise. N. Klepikov. Sov.torg. 36 no. 3:15-16 Mr '63.

[The organization and planning of credit] Organizatsiia i planirovaniye kredita. Moskva, Gosfinizdat, 1962, 298 p.

Tarasov, M. M. [Issuing credit to industries on the basis of turnover] Kreditovaniye promyshlennosti po oborotu. Moskva, Gosfinizdat, 1962, 80 p.

Use credit to aid technological progress. Den. i kred. 21 no. 3:67-74 Mr '63.

CREEP OF CONCRETE

Creep of freeze concrete. A. M. Padval'nyi. Dokl. AN SSSR 148 no. 6:1148-1151 F '63.

CREEP OF MATERIALS

Creep of a spherical momentless shell. R. M. Kirko-slan. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 16 no. 1: 55-51 '63.

Dislocation structure of NaCl single crystals subjected to creep tests. I. A. E. Goguzin, V. L. Rnbeta. Dokl. AN SSSR 149 no. 4:818-821 Ap '63.

CREEP OF METALS

Creep of titanium-zirconium-tin alloys. V. V. Glazova, N. N. Kurnakov. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor.delo no. 1:161-167 Ja-F '63.

Effect of an oxidizing medium and changes in stress on creep and stress-rupture strength in iron, titanium and carbon steel. K. A. Osipov, A. L. Sotichenko. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor.delo no. 1:101-105 Ja-F '63.

Role of secondary distortions in the recrystallization process during the sintering of specimens composed from high melting metal powders. F. N. Alekseeva and others. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor.delo no. 1:97-99 Ja-F '63.

CRESOL—SPECTRA

Electron paramagnetic resonance spectrum and the rearrangement of the radical formed during the oxidation of ionol-CD₃. V. D. Pokhodenko and others. Dokl. AN SSSR 148 no. 6:1314-1315 F '63.

CRIME AND CRIMINALS

(see also subdivision under France; United States)

How public prosecutors struggle against loafers. S. Aver'yanov, A. Borodankov. Sots. zakon. 30 no. 10: 49-50 O '62.

More on "lucky scoundrels." Ogonek 46 no. 56:5 D '62.

We should ensure the proper implementation of Soviet laws on the struggle against loafers. V. Vakulenko. Sov. iust. no. 4:8-11 F '63.

CRIME PREVENTION

Organization and control are the most important factors in crime prevention. S. Borodin. Sov. iust. no. 6: 20-22 Mr '63.

CRIMEA—COLLECTIVE FARMS

Lighthouse on the steppe. Vladimir Vil'nyi. Sov. Ukr. 13 no. 1:137-151 Ja '63.

CRIMEA—INSCRIPTIONS, GREEK

Epigraphic monuments of Scythian Neapolis. E. I. Solomonik. Num. i epig. 3:32-44 '62.

CRIMEA—PHARMACY

Acquaintance with the work of some pharmacies in the Crimea. O. I. Lukash. Farmatsev. zhur. 17 no. 4: 64-65 '62.

CRIMEA—RAILROADS

Why the Crimean Railroad with electric traction was not built in Russia. V. I. Pyzin. Transp. stroi. 13 no. 2: 59-61 F '63.

CRIMEA—SPRINGS

Forgotten ancient springs in the Crimea. M. I. Kurnard-zhi. Zap. LGI 44 no. 2:15-20 '62.

CRIMEA—STATE FARMS

Advantages of specialized state farms near cities in the Crimea. I. U. Pakhomov. Ekon. Rad. Ukr. no. 1:75-79 Ja-F '63.

CRIMEA—VITICULTURE

Development of viticulture in the Crimea in relation to the construction of the North Crimea Canal. P. S. Feshchenko. Visnyk sil'kosp. nauky 6 no. 2:7-9 F '63.

CRIMEA—WINE AND WINE MAKING

[Wine making; manual for the workers of wineries on state and collective farms in the Crimea] Vinodel'noye rukovodstvo dlya rabotnikov vinodel'cheskikh zavodov sovkhovov i kolchozov Kryma. Simferopol', Krymizdat, 1960, 416 p.

CRIMINAL ATTEMPT

Responsibility for attempts upon the lives of regular or auxiliary policemen. G. Levitaki. Sov. iust. no. 4:16-18 F '63.

CRIMINAL DEFENSES see Defense (Criminal procedure)

CRIMINAL INVESTIGATION

(see also subdivision under United States)

Criminal investigator of a district. L. Shokhov. Sots. zakon. 39 no. 10:71-72 O '62.

Eglazov, A. S., and I. A. Anokhin. [Meticulous attention] Maksimum vnimaniya. Moskva, Gosurizdat, 1962, 66 p.

Four years later. A. Kiger. Sots. zakon. 39 no. 10: 62-64 O '62.

Struggle against the pilfering of purchased farm products. E. Kurnanova. Sots. zakon. 39 no. 10:30-41 O '62.

They gain time. V. Vozbrannyi. Zhurn.-slita 38 no. 2: 31 F '63.

Using the magnetophone in criminal investigation. A. Gerasim. Sots. zakon. 39 no. 10:51-53 O '62.

CRIMINAL JUSTICE, ADMINISTRATION OF see subdivision under Archangel Province; France

CRIMINAL LAW

The concept of similar criminal offenses. N. Khmov and others. Sots. zakon. 39 no. 10:19-22 O '62.

Development of some areas of Soviet criminal law. I. A. M. Bratun. Sov. gos. i pravo 33 no. 4:122-128 Ap '63.

Russia (1917- R. S. F. S. R.) Laws, statutes, etc.

[Criminal code of the R. S. F. S. R.; official text with amendments as of August 1, 1962 and supplementary materials on the articles] Ugolovnyy kodeks RSFSR; ofitsial'nyi tekst s izmeneniyami na 1 avgusta 1962 g. s prilozeniem postateno-sistematizirovannykh materialov. Moskva, Gosurizdat, 1962, 284 p.

Some problems of criminal law in a "national state." B. S. Nikiforov. Sov. gos. i pravo 33 no. 4:66-71 Ap '63.

CRIMINAL PROCEDURE

Chel'tsov, M. A. [Soviet criminal procedure] Sovetskii ugolovnyi protsess. Izd. 4., ispr. i perer. Moskva, Gosurizdat, 1962, 503 p.

Iakub, M. L. [Testimony of the accused as a form of evidence in Soviet criminal procedure] Pokazaniia obviniaemogo kak istochnik dokazatel'stv v sovetskom ugolovnom protsesse. [Moskva] Izd-vo Mosk. univ., 1963, 79 p.

Soviet law ensures the direct and oral trial of criminal cases. M. Strogovich. Sov. iust. no. 7:9-11 Ap '63.

"Theoretical and practical commentaries to the 'Basic Principles of the Criminal Procedure of the U. S. S. R. and the Union Republics.'" Reviewed by E. Zelikson. Sov. iust. no. 4:24-25 F '63.

CRIMINAL STATISTICS

"Soviet judicial statistics" by S. S. Ostroumov. Reviewed by A. Gertsenzon. Vest. stat. no. 3:73-77 '63.

CROPS AND CLIMATE

Measuring microclimate elements within the stands of agricultural crops. I. G. Mushkin. Shor. trudy po agron. fiz. no. 10:201-211 '62.

CRUSHING MACHINERY

Determining the basic parameters of jaw crushers. V. A. Dauman. Stroi. i dor. mash. 8 no. 2:25-28 F '63.

Electric slag hard facing of beaters in impact-action crushing machines. A. I. Shvartser and others. Svar. proizv. no. 3:22-25 Mr '63.

New system for assembling the underground part of the housing of large crushers. A. I. A. Torgovitski. Shakht. stroi. 7 no. 2:10-20 F '63.

Obtaining pure dust-like molding materials in a jet mill. M. G. Borovik and others. Lit. proizv. no. 5:16-17 My '62.

CRUSHING MACHINERY—ELECTRIC DRIVING

Electric drive for jaw crushers. P. G. Gruzukin, S. I. Goluzin. Shor. trudy VNINerud no. 2:124-149 '62.

CRYSTAL LATTICES

Calculation of the specific surface area of tobermorite from its crystal lattice parameters and adsorption data. K. G. Krasifnikov. Dokl. AN SSSR 149 no. 4: 891-893 Ap '63.

Observation of crystal lattices in a Em-6 electron microscope. V. N. Vertener, I. U. M. Vorona, G. S. Zhdanov. Opt. i spekt. 13 no. 4:606-607 O '62.

Quantization for quasi-particles with a periodic dispersion law in a high magnetic field [with summary in English]. M. A. Azbel', Zhur. eksp. i teor. fiz. 44 no. 3: 960-962 Mr '63.

CRYSTALLINE LENS

Factors responsible for the division of a regenerating crystalline lens into its epithelial and fibrous parts. K. M. Velikanova. Dokl. AN SSSR 149 no. 2:472-474 Mr '63.

CRYSTALLIZATION

Characteristics of the crystallization of magnesium cast iron in large castings. N. I. Klocuev and others. Lit. proizv. no. 1:16-19 Ja '63.

Co-crystallization of potassium dichromate and cupric nitrate with potassium nitrate. F. V. Khamski, Z. A. Kozina. Dokl. AN SSSR 149 no. 4:915-917 Ap '63.

Crystallization from the gas phase by a chemical bond. E. I. Givargizov. Dokl. AN SSSR 149 no. 2:360-362 Mr '63.

Effect of certain addition alloys on magnesium recrystallization. M. F. Ditis and others. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor.delo no. 1:101-109 Ja-F '63.

Effect of inoculation on the crystallization of alloys. N. G. Girshevich, I. U. A. Nekhendzi. Lit. proizv. no. 5: 10-25 My '62.

New apparatus for carrying out the process of crystallization in vacuo. L. N. Matusovich, S. I. Golub, V. A. Odintsov. Khim. prom. no. 1:60-63 Ja '63.

Point group of symmetry described by means of tensors. L. I. Sedov, V. V. Lokhin. Dokl. AN SSSR 149 no. 4: 796-797 Ap '63.

Recrystallization pattern during the heating of 4Kh13 steel. N. N. Lipchin, S. A. Kokovinskina. Metalloved. i term. obr. met. no. 3:6-12 Mr '63.

Theory of crystallization of thermoplastic alloys in casting and cooling processes. P. P. Budnikov, N. V. Shishkov. Zhur. prikl. khim. 36 no. 2:272-283 F '63.

Thermokinetics of graphite formation in gray cast iron. I. N. Bogachev, G. V. Makhanev. Lit. proizv. no. 2:13-20 F '63.

CRYSTALLOGRAPHY

Crystalline structure of clinohedrite Ca₂Zn₂(OH)₂Si₂O₇·H₂O = 2CaZn(SiO₄)·H₂O. A. V. Nikitin, N. V. Belov. Dokl. AN SSSR 148 no. 6:1396-1398 F '63.

Polymorphic single crystal to single crystal transition in *m*-dichlorobenzene. A. I. Kitaigorodskii, I. U. Mniukh, I. U. G. Asadov. Dokl. AN SSSR 148 no. 5: 1065-1068 F '63.

Vlasov's equation for crystals. I. P. Bazarov. Dokl. AN SSSR 148 no. 6:1283-1285 F '63.

CRYSTALS

Rachkov, V. K. [Marvellous crystals] Chudesnye kristally. Moskva, Voenizdat, 1962, 72 p. (Nauchno-popul'naya biblioteka)

CRYSTALS—GROWTH

Rare case of crystal growth. M. E. Semenov, V. K. Frolov. Lit. proizv. no. 1:34 Ja '63.

Substructures in crystals grown from the melt [translated from the English]. C. Elbaum. Usp. fiz. nauk 78 no. 3:645-684 Mr '63.

CRYSTALS—SPECTRA

Oscillatory "structure" of the broad band of impurity light absorption in crystals. D. T. Sviridov. Opt. i spekt. 13 no. 4:532-535 O '62.

CRYSTALS, ELECTRON STATE see Excitons

CUBA—DEFENSES

The world remembers it. G. Gurkov. Ogonek 40 no. 52: 4-5 D '62.

CUBA—DESCRIPTION AND TRAVEL

Granin, D. A. [Unexpected morning] Neozhidannoe utro. Moskva, Izd-vo "Sovetskii pisatel", 1962. 129 p.

On the island of freedom. F. Mel'nikov. Komm. Bel. 36 no. 5:62-66 My '62.

"Ten days in Cuba" by Wanda Wasilewska. Reviewed by Mykola TSivyn. Ukraina no. 2:19 Ja '63.

CUBA—FOREIGN RELATIONS—LATIN AMERICA

They protect the island of freedom. Oleg Ignat'ev. Nov. vrem. 20 no. 15:11-12 Ap '63.

CUBA—FOREIGN RELATIONS—UNITED STATES

The Bay of Pigs. Nov. vrem. 20 no. 16:4 Ap '63.

Report from New York. Vasil' Bol'shak. Sov. Ukr. 13 no. 1:160-168 Ja '63.

The U.S. intervention in Cuba in 1933 [with summary in English, p. 189]. Nov. i novish. ist. no. 2:106-117 '63.

When peace hangs on a thread... Boris Strel'nikov. Ogonek 40 no. 47:25-27 N '62.

CUBA—INVASION, 1961

The Bay of Pigs. Nov. vrem. 20 no. 16:4 Ap '63.

CUBA—LAW

Cuba. Laws, statutes, etc. [Basic legislative enactments of the Republic of Cuba] Osnovnye zakonodatel'nye akty Kubinskoi Respubliki. Moskva, Gos. Izd-vo iurid. lit-ry, 1962. 389 p.

CUBA—POLITICS AND GOVERNMENT

Third meeting with Cuba. Roman Karmen. Ogonek 41 no. 1:8 Ja '63.

CUBA—PRESS

In the building under the red star. V. Parkhit'ko. Sov. pech. no. 2:61 F '63.

CUBA—RELATIONS (GENERAL) WITH RUSSIA

While the "TU-114" was at the Jose Marti Airport. N. Denisov. Sov. pech. no. 2:52-55 F '63.

CUBA—SPORTS MEDICINE

Development of medical control and therapeutic physical culture in Cuba. A. V. Chogovadze, A. I. A. Nemenov. Teor. i prak. fiz. kul't. 26 no. 2:60-61 F '63.

CUBA—TECHNICAL ASSISTANCE, RUSSIAN

On the island of freedom. F. Mel'nikov. Komm. Bel. 36 no. 5:62-66 My '62.

CUCUMBERS

Some biological characteristics of cucumbers growing under cover made of various polymer films. T. E. Pashchenko. Sbor. trud. po agron. fiz. no. 10:27-32 '62.

CULTIVATED PLANTS see Plant, Cultivated

CULTIVATORS

Calculations for working parts of rotary cultivators. G. F. Popov. Trakt. i sel'khoz mash. 33 no. 2:34-36 F '63.

CULTIVATORS—MAINTENANCE AND REPAIR

Concerning V. N. Tkachev and M. S. Smolov's article "Build-up welding of cultivator sweeps using sorbite and high-frequency currents." A. Rabinovich, V. Vinokurova. Trakt. i sel'khoz mash. 33 no. 1:46-47 Ja '63.

CULTURE

Critical evaluation of some concepts of culture in present-day bourgeois anthropology [with summary in English]. M. I. Bartinkas. Vest. LGU 18 no. 5:55-64 '63.

CULVERTS—DESIGN AND CONSTRUCTION

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Technical specifications SN 200-62 for the design of railroad, road and city bridges and culverts] Tekhnicheskie uslovia proektirovaniia zheleznodorozhnykh, avtomobilnykh i gorodskikh mostov i trub (SN 200-62). Izd. ofitsial'noe. Moskva, Transzheldorizdat, 1962. 327 p.

CULVERTS—ESTIMATES see subdivision under Azerbaijan

CUMBERLAND DISEASE see Anthrax

CUPOLA FURNACES

Cupola furnace with a heated mixer. S. I. TSukerman. Lit. proizv. no. 5:38-39 My '62.

Cupola furnace with an "active" hearth. N. D. Zaulashvili. Lit. proizv. no. 1:36 Ja '63.

Device for automatic control of cupola-furnace output depending on the agglomeration in the forehearth. V. T. Antonenko. Avtom. i prib. no. 1:86-87 Ja-Mr '63.

Effect of coke quality on the operations of a foundry cupola. I. E. Zamkovoi. Lit. proizv. no. 5:35-36 My '62.

Lower boundary of the melting zone in cupola furnaces. A. V. Kalbichev, V. P. Chernobrovkin. Lit. proizv. no. 2:17 F '63.

CUPOLA FURNACES—DESIGN AND CONSTRUCTION

Interaction of technological parameters of melting in cupolas of various design. I. U. S. Sukharchuk, B. P. Blagonravov, G. K. Reshetnikov. Lit. proizv. no. 2: 8-10 F '63.

CURACAO ISLAND—INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

Experiment on the island of Curacao. N. N. Vorontsov. Nauka i zhizn' 29 no. 12:55 D '62.

CURLEWS

Birth of a curlew. Igor' Akimushkin. Vokrug sveta no. 3:53 Mr '63.

CURRENCY see Money

CURVES

Calculation of the depth of occurrence and the magnetization of disturbing bodies based on T curves. V. K. Platnitski, L. M. Arslanov. Trudy SNIIGGIMS no. 26:160-166 '62.

Spherical indicatrices of curves in Lobachevskii space and some of their properties. B. S. Vakarchuk. Izv. vys. ucheb. zav. i mat. no. 2:12-19 '63.

Using the method of tangents in the interpretation of Δg curves over a vertical offset. Geol. i geofiz. no. 12: 109-114 '62.

CURVES ON SURFACES

Lichnerowicz, Andre. [Global theory of connexes and of holonomy groups. Translated from the French] Teoriia svyaznostei v teorii i gruppy golonomii. Moskva, Izd-vo inostr. lit-ry, 1960. 216 p. (CLU)

CUTTING MACHINES

Mechanizing the assembly of hinges. N. Golov'ev. Trakt. i sel'khoz mash. 32 no. 12:37 D '62.

Parfenov, O. D. [Methods of increasing the accuracy of metalwork on universal metal-cutting machines] Spособy povysheniia tochnosti obrabotki na universal'nykh metallorazreshushchikh stankakh. Moskva, Proftekhizdat, 1962. 102 p. (Novaya tekhnika i peredovye metody truda)

Sysoev, V. L. [Cutting of metals, machines, and tools] Rezanie metallov, stanki i instrument. Moskva, Mashgiz, 1960. 479 p.

CUTWORMS—BIOLOGICAL CONTROL see subdivision under Uzbekistan

CYANAMIDE—SPECTRA

Microwave spectra of HDNCN and D₂NCN molecules. G. P. Shipulo. Opt. i spekt. 13 no. 4:593-594 O '62.

CYBERNETICS

Automatic machines, life, and consciousness. Todor Pavlov. Nauch. dokl. vys. shkoly: filoz. nauk 6 no. 1: 49-57 '63.

Conception of self-organization in cybernetics [review of G. Pask's book "An approach to cybernetics"]. K. O. Shkabar, S. F. Kozubova'kii. Avtomatika 8 no. 1: 50-53 '63.

Cybernetic "mind" and man [with summary in English]. D. A. Kerimov. Vest. LGU 18 no. 5:138-140 '63.

Cybernetics and economics. Vladimir Mikhalevich. Sov. Soiz. no. 1:4-7 '63.

Cybernetics is coming to the oil fields. E. I. Sokhrin. Neftiank 7 no. 7:19-21 Ji '62.

Duel with nature. O. Rozhen. Znan. ta pratsia no. 1: 8-10 Ja '63.

Engineer learns from life. G. Novinski, V. Dedukhova. Izobr. i rate. no. 7:15-16 Ji '62.

The natural, the artificial and cybernetics. V. I. Korukin, I. U. P. Lovastov. Nauch. dokl. vys. shkoly: filoz. nauk 6 no. 58-65 '63.

Optimum strategy. S. L. Sobolev. Ogonek 40 no. 48: 17-18 N '62.

Saparin, E. V. [Cybernetics inside of us] Kibernetika vnutri nas. Moskva, Izd-vo "Molodaja gvardiia", 1962. 302 p.

Teaching a machine to recognize visual images. M. A. Aizerman. Nauka i zhizn' 29 no. 12:34-39 D '62.

Young, omnipresent and powerful... V. M. Hushkov. Znan. ta pratsia no. 1:3-4 Ja '63.

CYBERNETICS—BIBLIOGRAPHY see Bibliography—Cybernetics

CYCLIC COMPOUNDS

Stereochemistry of cyclic compounds. Report No. 52: Regularities in the addition of hypobromous acid to dimethyl-cis-syn-7-methoxy-1,2,3,9,10,10a-hexahydrophenanthrene-1,2-dicarboxylate. L. K. Lysanchuk, V. M. Andreev, V. F. Kucherov. Izv. AN SSSR, Otd. khim. nauk no. 4:706-715 Ap '63.

CYCLOHEXADIENONE

Radicals, products of the thermal decomposition of substituted cyclohexadienone peroxide. V. D. Pokhodenko, L. N. Ganiuk, A. I. Brodekii. Dokl. AN SSSR 149 no. 2:321-323 Mr '63.

CYCLOHEXANE

Catalytic chlorination of some cyclohexane hydrocarbons. S. D. Mekhtiev and others. Azerb. khim. zhur. no. 2: 19-23 '62.

Extraction of the γ -isomer from hexachloran with coal-tar oils. G. M. Strongin, M. N. Kulikova, N. I. Prokhorova. Zhur. prikl. khim. 36 no. 2:465-467 F '63.

CYCLOHEXANECARBOXYLIC ACID

Aromatic hydrocarbons. Part 27: 2-p-Phenoxyphenyl-1,2,3,6-tetrahydrobenzoic acid in the synthesis of 2-phenoxyfluorenes. V. R. Skvarchenko, D. TS. Tsybikova, R. IA. Levina. Zhur. ob. khim. 33 no. 3:995-997 Mr '63.

CYCLOHEXANEDIOL

Glycol ethers and their derivatives. Part 52: Synthesis of alkoxy derivatives of methyl ethers of 1,2-cyclohexanediol. Shamkhal Mamedov, I. L. Nizker. Zhur. ob. khim. 33 no. 3:841-845 Mr '63.

CYCLOHEXANOL

Effect of the conditions of the reaction on the synthesis of 1-nitromethyl-1-cyclohexanol. G. V. Shemshurenko, V. I. Burmistrov. Zhur. prikl. khim. 36 no. 2:431-435 F '63.

CYCLOHEXENE

3,6-Endoxo-cyclohexenes and cyclohexenes. Part 8: Wagner-Meerwein rearrangement during the halogenation of derivatives of 3,6-endoxo-cyclohexene. 3,6-endoxo-cyclohexene. I. U. K. Iur'ev, N. S. Zefirov. Zhur. ob. khim. 33 no. 3:804-813 Mr '63.

3,6-Endoxo-cyclohexenes and -cyclohexenes. Part 9: Synthesis of amino derivatives of the 3,6-endoxo-cyclohexane series. I. U. K. Iur'ev, N. S. Zefirov, R. A. Ivanova. Zhur. ob. khim. 33 no. 3:813-817 Mr '63.

CYCLOHEXENEDICARBOXYLIC ACID

3,6-Endoxo-cyclohexanes and -cyclohexenes. Part 10: Acetoxymercuration of dimethyl ester of 3,6-endoxo- Δ^4 -tetrahydrophthalic acid. I. U. K. Iur'ev, N. S. Zefirov, L. P. Shalderova. Zhur. ob. khim. 33 no. 3:818-820 Mr '63.

CYCLOPENTADIENE

Formation of cyclopentadiene in the process of preparing isoprene by the two-stage dehydrogenation of isopentane. V. M. Sobolev, N. V. Shcherbakova, V. S. Shmarlin. Zhur. prikl. khim. 36 no. 2:428-430 F '63.

CYCLOPROPANECARBOXYLIC ACID

Dissociation constants of some substituted cyclopropane and cyclopropenecarboxylic acids. R. R. Kostikov, I. A. D'iakonov. Dokl. AN SSSR 149 no. 4:853-855 Ap '63.

CYCLOPS see subdivision under Rybinsk Reservoir

CYCLOTRON

Elastic scattering of He³ on C¹², Na²³, Mg, and Al²⁷ nuclei in the energy range 26 to 33 Mev. [with summary in English]. V. M. Pankratov, I. N. Serikov. Zhur. eksp. teor. fiz. 44 no. 3:887-893 Mr '63.

International Conference on Spiral-coil Cyclotrons. Atom. energ. 14 no. 4:423-425 Ap '63.

CYCLOIDS, MIXED (CHEMISTRY) see Heterocyclic compounds

CYSTS

Dental cysts deforming the antrum of Highmore. M. F. Rozhdostvenskaya. Probl. stom. 6:206-208 '62.

Treatment of maxillary cysts. I. N. Vaisblat. Probl. stom. 6:198-205 '62.

CYTOCHROMES

Physiological role of cytochrome in nitrifying bacteria [with summary in English]. A. B. Lozinov, V. A. Ermanchenko. Mikrobiologiya 31 no. 6:972-979 N-D '62.

CYTOLOGY

(see also subdivision under Netherlands; Poland)

"Cytology and evolution" [in English] by E. N. Willmer. Reviewed by A. G. Knorre. Usp. sovr. biol. 55 no. 1: 134-141 Ja-F '63.

"The organization of cells and other organisms" [in English] by L. Picken. Reviewed by S. N. Tsihlogia 4 no. 3:380 My-Je '62.

CZECH LANGUAGE—DICTIONARIES—RUSSIAN

Ramm, S. N., G. A. Lillich, and L. D. Mogilevskii. [Czech-Russian leather and shoe dictionary] Cheshko-russkii kozhevenno-obuvnoi slovar'. Moskva, Olav, red. inostr. nauchno-tekhn. slovar' Fizmatgiz, 1962. 135 p.

CZECH LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR, Institut slavjanovedeniia. [Outline history of Czech literature of the 19th and 20th centuries] Ocherki istorii cheskoj literatury XIX-XX vekov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 723 p.

CZECH LITERATURE—TRANSLATIONS INTO RUSSIAN

Czechoslovak literature and Soviet translations. Jan Pilař. V mire knig no. 2:38-40 F '63.

CZECHOSLOVAKIA—ART AND INDUSTRY

Short sketch on Czechoslovakia. Boris Gafin. Znamia 33 no. 3:171-199 Mr '63.

CZECHOSLOVAKIA—BIBLIOGRAPHY

[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 12 '62; no. 1 '63.

CZECHOSLOVAKIA—BOOKS

Exhibition of scientific books of Czechoslovakia. Poligr. proizv. no. 2:28-29 F '63.

CZECHOSLOVAKIA—CONSTRUCTION INDUSTRY

Practices of builders in Czechoslovakia. Stroitel' arkhitekt. 24 no. 9:33-35 S '62.
Visiting Czechoslovakian construction workers. D. I. Ageman. NTO 5 no. 2:57-59 F '63.

CZECHOSLOVAKIA—DESCRIPTION AND TRAVEL

Andreev, E. G. [From Berlin to Prague; travel notes] O. Berlina do Pragi; putevye zametki. Alma-Ata, Kazakhskoe gos. izd-vo, 1962, 44 p.
Short sketch on Czechoslovakia. Boris Galin. Znamia 33 no. 3:171-108 Mr '63.

CZECHOSLOVAKIA—ECONOMIC CONDITIONS

The economy of socialist Czechoslovakia on the path to communism. IA, Kolotukha, Ekon. Rad. Ukr. no. 1:104-110 Ja-F '63.

CZECHOSLOVAKIA—ELECTRIC LAMPS

Twelve hundred patents of the "Tugaram" Plant. M. Gorodiskii. Izobr. i rats. no. 9:32 S '62.

CZECHOSLOVAKIA—MAPS

Geographic atlas of the Czechoslovak Socialist Republic for use in schools. IG, L. Pivovarov. Geod. i kart. no. 2:59-62 F '63.

CZECHOSLOVAKIA—MEDICINE—STUDY AND TEACHING

Training of personnel with secondary medical education in Czechoslovakia and Bulgaria. G. E. Volkova. Sred. spets. obr. 10 no. 2:61-62 F '63.

CZECHOSLOVAKIA—MOTION PICTURES—MORAL AND RELIGIOUS ASPECTS

"Florian and his patron saint." M. Sul'kin. Nauka i rel. 4 no. 3:87-88 Mr '63.

CZECHOSLOVAKIA—MOTORTRUCKS

New Tatra motortrucks. A. M. Mansurov. Avi. prom. 28 no. 8:44-40 Ag '62.

CZECHOSLOVAKIA—PEASANTRY

The Communist Party of Czechoslovakia and the movement of peasant masses in 1947-1948. N. M. Pashayeva. Nov. i noveish. ist. no. 2:174-175 '63.

CZECHOSLOVAKIA—RADIO MEASUREMENTS—EQUIPMENT AND SUPPLIES

Exhibition of radio-measurement instruments made in Czechoslovakia. A. I. Velichko. Avtom. i prib. no. 1:77-82 Ja-Mr '63.

CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH THE UKRAINE

Festive meetings in the borderland. I. Statyva. Ukraina no. 2:5 Ja '63.

CZECHOSLOVAKIA—TANNING

New method developed in Czechoslovakia for tanning stiff leather without the use of vegetable tanning agents. M. Kremer, V. Grabovsky. Kozh. obuv. prom. 5 no. 3:38-39 Mr '63.

CZECHOSLOVAKIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

In the partisan "dig-out." N. Tatarskaya, V. Kruglikov. Ogonek 41 no. 5:19 Ja '63.

DACRYOCYSTITIS

Restoration of the lacrimal canal in purulent dacryocystitis by the use of a tube from a heterogenic peritoneum. V. I. Kulshov. Trudy Kish. gos. med. inst. 13:17-22 '60.

DAGHESTAN—COMMUNIST YOUTH LEAGUE

Altkberov, Z. M. [The Communist Youth League of Daghestan is a militant helper of the provincial party organization in the execution of the tasks of the five-year plan] Komsomol Dagestana - boevoi pomoshchnik oblastnoi partinnoi organizatsii v osushchestvlenii zadach semiletneogo plana. Makhachkala, Ob-vo po rasprostraneniю polit. i nauchn. znaniy RSFSR, 1960, 41 p.

[MICROFILM]

DAGHESTAN—ECONOMIC POLICY

Altkberov, Z. M. [The Communist Youth League of Daghestan is a militant helper of the provincial party organization in the execution of the tasks of the five-year plan] Komsomol Dagestana - boevoi pomoshchnik oblastnoi partinnoi organizatsii v osushchestvlenii zadach semiletneogo plana. Makhachkala, Ob-vo po rasprostraneniю polit. i nauchn. znaniy RSFSR, 1960, 41 p.

[MICROFILM]

DAIRY BARN

Mechanization of stock yards and dairy barns is of utmost importance. S. Naumov. Sel'. mekh. no. 8:17-18 '62.
Milk conveyor in operation. M. Lapidus. Nauka i zhizn' 29 no. 12:64-64a D '62.

DAIRY BARN—BIBLIOGRAPHY see Bibliography—Dairy barn

DAIRY BARN—ELECTRIC EQUIPMENT

Use of mobile electric machinery with flexible power supply lines in stockyards and dairy barns. V. A. Gamaitskii. Nauch. trudy VIESKH 11:52-55 '62.

DAIRY CATTLE BREEDING

Moskalenko, D. M. [Five percent butterfat content in milk] Zhirnost' moloka - 5%. [Moskva] Mosk. rabochii, 1962, 28 p.
(DNAL)

DAIRY INDUSTRY—PRODUCTION STANDARDS

Kalina, N. A. [Establishing work norms in the meat and dairy industries] Tekhnicheskoe normirovanie truda v miasnoi i molochnoi promyshlennosti. Moskva, Plachepromizdat, 1962, 284 p.

DAIRY PRODUCTS

Zhdanova, E. A., and P. F. D'achenko. [Ferment preparations in the dairy industry] Fermentnye preparaty v molochnoi promyshlennosti. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962, 61 p.

[MICROFILM]

DAIRYING see subdivision under Ryazan Province

DAIRYING—HYGIENIC ASPECTS see subdivision under Penza Province

DAKAR—CANNING INDUSTRY

In the canning plants of Dakar. Lise London. Vsem. prof. dvizh. no. 3:19-21 Mr '63.

DAKAR—WOMEN—EMPLOYMENT

In the canning plants of Dakar. Lise London. Vsem. prof. dvizh. no. 3:19-21 Mr '63.

DAMPING (MECHANICS)

Characteristics of the design of double rubber dampers of torsional vibrations of high-speed engine crankshafts. V. Z. Kurash. Vest. mashinostr. 43 no. 3:3-10 Mr '63.
Friction dynamic vibration damper. B. P. Barnin, A. S. Kondratov. Mashinostroitel' no. 2:12-13 F '63.

DAMS

Dynamic stability of dams built of saline sand during the process of desalinization. V. A. Ershov. Shar. nauch. trud. LSI no. 37:62-75 '62.

DAMS—DESIGN AND CONSTRUCTION

Molisev, S. N. [Rock and earth, rock-fill and dry masonry dams] Plotiny kamennno-zemllyanye, nabrosnye i iz sukhoi kladki. Moskva, Gosenergoizdat, 1962, 175 p.

DANCING see subdivision under Ural Mountain region

DANKOV DISTRICT—STONE AGE

Early paleolithic site near the Dolgoye village in the upper Don region. V. P. Levenok. Krat. soob. Inst. arkhcol. no. 92:76-82 '62.

DANUBE VALLEY—TERRACES (GEOLOGY)

Terraces of the lower Prut and Hmians of the Danube Delta. N. A. Konstantinova. Dokl. AN SSSR 140 no. 4: 928-930 Ap '63.

DAPHNIA

Raising Daphnia in screened areas. O. D. Romanycheva. Ryb. khoz. 39 no. 3:15-17 '63.

DAVIDENKO, ALEKSANDR ALEKSANDROVICH, 1899-1934

Mariyov, N. A. Aleksandr Davidenko. Moskva, Sovetskii kompozitor, 1962, 23 p. (V pomoshch' slushatelyam narodnykh universitetov kul'tury. Besedy o muzyke)

DEAF—EMPLOYMENT

Fatigue of the deaf working under noisy conditions. A. P. Gozova. Dokl. APN 6 no. 6:126-128 '62.

DEATH—CAUSES

Causes of death in stomach cancer patients who have and have not undergone radical surgery. V. M. Abdullaev. Azerb. med. zhur. 40 no. 1:53-58 Ja '63.

DEBUSSY, CLAUDE, 1862-1918

Smirnov, V. V. [Claude Achille Debussy, 1862-1918; a brief study of his life and works] Klod-Ashil' Dobiussi, 1862-1918; kratkii ocherk zhizni i tvorchestva. Leningrad, Gos. muzykal'noe izd-vo, 1962, 87 p.

DECANE

Part played by reaction products in the mechanism of n-decane oxidation. Z. K. Maizus, L. G. Privalova. Izv. AN SSSR, Otd. khim. nauk no. 4:629-633 Ap '63.

Reactivity of isomeric decanols, the intermediate products of n-decane oxidation. I. P. Skibida, Z. I. Kulitskii, Z. K. Maizus. Dokl. AN SSSR 148 no. 6:1359-1360 F '63.

DECANOL

Reactivity of isomeric decanols, the intermediate products of n-decane oxidation. I. P. Skibida, Z. I. Kulitskii, Z. K. Maizus. Dokl. AN SSSR 148 no. 6:1359-1360 F '63.

DECEMBRISTS IN LITERATURE AND ART

Sharupich, A. P. [Decembrist Aleksandr Bestuzhev; his philosophy and literary works] Dekabrist Aleksandr Bestuzhev; voprosy mirovozzreniya i tvorchestva. Minsk, Izd-vo M-vn vysshego, srednego spetsial'nogo i professional'nogo obrazovaniya BSSR, 1962, 91 p.

DECIMAL CLASSIFICATION see Classification, Decimal

DECORATION AND ORNAMENT, SCYTHIAN

Scythian reindeer. N. L. Chlenova. Mnt. i issl. po arkheol. SSR no. 11:167-203 '62.

DEER see subdivision under Rumania

DEFENSE (CIVIL PROCEDURE)

Participation of defense lawyers in civil procedure. I. I. Inskaya, L. Lesnitskaya. Sov. iust. no. 6:14-16 Mr '63.

DEFENSE (CRIMINAL PROCEDURE)

Defense of the accused whose interests differ from the interests of their accomplices. V. Goldner. Sois. zakon. 39 no. 10:58-61 O '62.

DEFENSES, NATIONAL see also subdivision 'Defenses' under Cuba; Russia

DEFOLIATION

New effective cotton defoliant. L. Kh. Abdullaeva. Vop. biol. i kraev. med. no. 3:115-121 '62.

DEFORMATIONS (MECHANICS)

Bakshoev, S. M. [Deformability of structural carbon steel] Deformiruemost' konstruktsionnoi uglerodistoi stali. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, No. M-58-247/13)

Effect of the deformation rate on the deformation value and the strength of oriented glass plastics. A. L. Rabitovich, A. V. Turazian. Dokl. AN SSSR 148 no. 6: 1350-1353 F '63.

Electric charges due to the deformation of polymers. V. E. Gul', G. A. Lushcheikin, B. A. Dogadkin. Dokl. AN SSSR 149 no. 2:302-304 Mr '63.

Flexure of a two-layer thick circular plate by an axially symmetric load. A. A. Babolian, V. S. Tonolian. Izv. AN Arm. SSR, Ser. fiz. i-mat. nauk 16 no. 1:13-32 '63.

Initial elastoplastic deformations caused by contact loading of plastics. E. M. Turovskii, P. F. Prusolov. Vest. mashinostr. 43 no. 2:45-48 F '63.

Mechanism of the plastic deformation of metals. N. N. Davidenko, E. I. Brainin. Dokl. AN SSSR 149 no. 4: 822-823 Ap '63.

DEFORMITIES

Clinical and anatomical characteristics of congenital developmental defects. S. E. Gleiberman. Zdrav. Turk. 7 no. 1:6-11 Ja '63.

DEHYDROGENATION

Catalytic dehydrogenation of silicon and germanium heterocycles (direct preparation of heteroorganic analogs of cyclopentene and cyclopentadiene). O. M. Nefedov, M. N. Manakov. Izv. AN SSSR, Otd. khim. nauk no. 4:769 Ap '63.

Regularities in the catalytic dehydrogenation of alkyl aromatic hydrocarbons. O. K. Bogdanov, A. A. Balandin, I. P. Belomesnykh. Izv. AN SSSR, Otd. khim. nauk no. 4:811-816 Ap '63.

DEICH, ALEKSANDR IOSEFOVICH

"Breakstone flower; a tale about Lesia Ukrainka" by Aleksandr Deich. Reviewed by S. Viktorov. Sov. Ukr. 13 no. 2:181-183 F '63.

DEINEKA, ALEKSANDR ALEKSANDROVICH, 1899-

Painters of our land. IU, Bychkov. Ogonek 40 no. 47:16 N '62.

DELAY LINES

Characteristics of the propagation of electromagnetic waves in laminated periodic structures. G. I. Gladyshev, L. V. Kasatkina, S. P. Shashurina. Izv. vys. ucheb. zav. i radiotekh. 6 no. 1:77-82 Ja-F '63.
Dispersive features of a ribbed slot-type delay system. A. S. Zav'yalov, V. L. Mironov. Izv. vys. ucheb. zav. i radiotekh. 6 no. 1:52-58 Ja-F '63.
Two-screen helical delay line. V. S. Brykov. Radiotekh. i elektron. 8 no. 3:433-437 Mr '63.

DELHI BOIL

Effectiveness of some preventive measures in the control of cutaneous leishmaniasis. V. M. Katkov. Zdrav. Turk. 7 no. 1:33-35 Ja '63.

DELIVERY OF GOODS (LAW)

- Braginskii, M. L.** [Structure of contractual relations and the liability of contracting parties in the direct transportation of goods] *Struktura dogovornykh svyazei i otvetstvennost' uchastnikov pri postavkakh tranzitom*. Moskva, Vses. iurid. zaochnyi in-t, 1960. 142 p.
- Decisions of arbitration agencies. *Sov. iust.* no. 6:30-31 Mr '63.
- Decisions of the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. *Sots. zakon.* 39 no. 10:88 O '62.
- Legal guarantees for the high quality of goods. *B. Moliseev. Sots. zakon.* 39 no. 10:56-58 O '62.
- Let's improve our laws governing the delivery of goods. *F. Liberman. Sots. zakon.* 39 no. 10:23-28 O '62.

DEMAND AND SUPPLY see Supply and demand

DEMENTIA PRAECOX see Schizophrenia

DEMIDOV, VLADIMIR

"Restlessness; verse" by Vladimir Demidov. Reviewed by Ark. Ryvlin. *Ukraina* no. 2:19 Ja '63.

DEMOCRACY

An international theoretical conference. *G. S. Filatov. Vop. ist. KPSS* 7 no. 3:150-152 Mr '63.

Soviet socialist democracy. *Polit. samoobr.* 7 no. 2: 111-113 F '63.

DEMOGRAPHY

Checking vascular reactions of the skin with a portable dermatograph. *V. B. Spektorov. Teor. i prak. fiz. kul't.* 26 no. 2:31-32 F '63.

DEMOGRAPHY

Subject and problems of ethnogeography [with summary in English]. *S. I. Bruk, V. I. Kozlov, M. G. Levin. Sov. etn.* no. 1:11-25 Ja-F '63.

DENSITOMETERS

Use of densitometers for measuring the increased densities of sound tracks. *E. V. Ksandrov, B. P. Cherniavskii. Tekh. kino i telev.* 7 no. 3:70-71 Mr '63.

DENTAL INSTRUMENTS AND APPARATUS

Improved methods for the single-stage preparation of an individual spoon for obtaining functional impressions of toothless jaws. *Z. S. Vasilenko. Probl. stom.* 6: 313-322 '62.

Treatment of second group anomalies. *L. N. Manziuk. Probl. stom.* 6:244-249 '62.

DENTAL MATERIA MEDICA see Materia medica, Dental

DENTAL PLASTER CASTS see Plaster casts, Dental

DENTAL PROSTHESIS

Characteristics of the adaptation to dental bridges and arched prostheses. *G. B. Shilova. Probl. stom.* 6: 291-296 '62.

Comparative evaluation of the effectiveness of some anesthetic substances in preparing the teeth for a nonremovable prosthesis, based on electromyography data. *A. A. Pechtarev. Probl. stom.* 6:259-281 '62.

Compensation of partial unilateral terminal defects of the teeth row by means of arched supragingival prosthesis. *A. F. Galiapa. Probl. stom.* 6:283-287 '62.

Corrosion-resistant properties of stainless steel alloyed with cobalt. *G. P. Sosnin. Probl. stom.* 6:323-325 '62.

Determination of central occlusion using solid plaster blocks. *M. I. Plasevskii. Probl. stom.* 6:272-274 '62.

Effect of prosthesis on atrophic processes in the alveolar processes. *S. P. Mudryi. Probl. stom.* 6:269-271 '62.

Functional design of the occlusive surfaces of lamellar prostheses. *G. I. Sidorenko. Probl. stom.* 6:275-277 '62.

Functional design of the occlusive surfaces of the teeth in dental bridges. *V. P. Panchokha. Probl. stom.* 6:282-288 '62.

Improved methods for the single-stage preparation of an individual spoon for obtaining functional impressions of toothless jaws. *Z. S. Vasilenko. Probl. stom.* 6: 313-322 '62.

Increase of the masticatory effectiveness of removable partial lamellar prostheses. *L. P. Gurin. Probl. stom.* 6:297-303 '62.

Prosthesis of a toothless lower jaw. *V. S. Moroz. Probl. stom.* 6:278-282 '62.

Use of asbestos in dental technology. *N. S. Mukhin. Probl. stom.* 6:400-401 '62.

Use of claspless prostheses. *V. S. Kurilenko, N. I. Brovicheva, S. G. Gor. Probl. stom.* 6:288-290 '62.

Use of quick-setting plastics for preparing pivot teeth. *A. A. Kotliar, L. M. Kovbasniuk. Probl. stom.* 6:255-258 '62.

DENTAL THERAPEUTICS see Therapeutics, Dental

DENTISTRY, OPERATIVE

Late results of the treatment of pulpitis in a single visit. *L. I. Urbanovich. Probl. stom.* 6:173-179 '62.

Pulpotomy and its effect on the course of parodontosis. *G. M. Vishniak, E. V. Levitskaya, N. N. Skurskaya. Probl. stom.* 6:122-127 '62.

DENTITION

Growth and the formation of the roots of the first permanent molar. *E. P. Sokolovskaya. Probl. stom.* 6:162-167 '62.

Late results of treating chronic periodontitis of the permanent teeth with incomplete growth of the roots. *E. P. Sokolovskaya. Probl. stom.* 6:180-185 '62.

DEPRECIATION

New norms on the amortization of the basic assets of power engineering enterprises. *A. I. A. Avrukh. Elek. sta.* 34 no. 3:33-39 Mr '63.

Obsolescence and amortization of fixed assets [with summary in English]. *V. G. Zakharov. Vest. LGU* 18 no. 5:125-129 '63.

DERMATOSCLEROSIS see Scleroderma

DESMANS, FOSSIL see subdivision under Ukraine

DESPA VALLEY—ANTIQUITIES

Remarkable historical monument in the Ukraine; conclusion of the study of an ancient site near the village of Mizyn in the Desna Valley. *I. H. Shovkoplias. Ukr. ist. zhur.* 6 no. 1:124-131 Ja-F '63.

DESORPTION

Modernization of the network of a desorption installation in the All-Union Heat Engineering Institute. *R. S. Lepilin. Energetik* 11 no. 2:14-16 F '63.

DESOXYRIBONUCLEIC ACID see Nucleic acids

DESTRUCTIVE DISTILLATION see Distillation, Destructive

DESULFURATION

Effect of the slag and metal phase constitution on the steel desulfuration process by lime-alumina slag. *M. L. Sazonov, A. G. Shalimov. Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo* no. 1:33-40 Ja-F '63.

DETERMINATIVE MINERALOGY see Mineralogy, Determinative

DETONATION—MATHEMATICAL MODELS

Stability of a Chapman-Jouget detonation. *V. V. Pukhnachev. Dokl. AN SSSR* 149 no. 4:708-801 Ap '63.

DEUTERIUM

Electron paramagnetic resonance spectrum and the rearrangement of the radical formed during the oxidation of iron-CD₃. *V. D. Pokhodenko and others. Dokl. AN SSSR* 148 no. 6:1314-1315 F '63.

Kinetics of the catalytic exchange of deuterium between water vapor and hydrogen on various surfaces. *M. L. Nakhmanovich and others. Dokl. AN SSSR* 148 no. 6: 1346-1349 F '63.

DEUTERIUM—SPECTRA

Microwave spectra of HDNCN and D₂NCN molecules. *G. P. Shipilov. Opt. i spektr.* 13 no. 4:593-594 O '62.

DEUTERIUM OXIDE

Heat capacity of heavy water at high pressures and temperatures. *S. L. Rivkin, B. N. Egorov. Atom. energ.* 14 no. 4:416-418 Ap '63.

DIABETES

Genes, S. G. [Peroral treatment of diabetes mellitus] *Peroral'noe lechenie sakharnogo diabeta*. Kiev, Gosmedizdat, USSR, 1962. 278 p.

DIAGNOSIS—PSYCHOLOGICAL ASPECTS

Integricity and the cardiovascular system. *R. I. Remezov. Vop. pat. krovi i krovoobr.* no. 6:225-228 '61.

DIAGNOSIS, FLUOROSCOPIC

Everybody is invited. *G. Khmeleva. Zdorov'e* 0 no. 2: 22 F '63.

DIAGNOSIS, RADIOSCOPIC

Iakhnich, I. M. [X-ray diagnosis of foreign bodies] *Rentgenologicheskaya diagnostika inozhnykh tel*. Moskva, Medgiz, 1963. 247 p.

X-ray diagnosis of portal hypertension. *L. P. Shuliak, M. B. Balaban, T. D. Diubina. Trudy Kish. gos. med. inst.* 13:175-179 '60.

DIALECTIC

John McTaggart and his concept of dialectic [with summary in English]. *M. A. Kiselev. Vest. LGU* 18 no. 5: 65-77 '63.

Kasymzhanov, A. Kh. [Problem of the coincidence of dialectics with logic and the theory of knowledge; based on V. I. Lenin's "Philosophical notebook"] *Problema sovpadeniya dialektiki, logiki i teorii poznaniya; po filosofskim tetradiam V. I. Lenina*. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 197 p.

DIALECTICAL MATERIALISM

Chertkov, V. P. [The kernel of dialectic] *Iadro dialektiki*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 151 p.

Dialectics of nature as a philosophical theory [with summary in English, pp. 185-186]. *G. V. Piatonov, M. N. Rutkevich. Vop. filos.* 17 no. 3:134-144 '63.

"Early history of Marxist philosophy" by T. I. Olsennik. Reviewed by V. A. Karpushin. *Vop. filos.* 17 no. 3: 162-166 '63.

Voroblov, I. F., and A. I. Kogan. [Marxist-Leninist philosophy] *Marksyaz'mo-lenin'ska filosofiya; popularnyi pidruchnyk*. Vyd. 2., perer. i dop. Kyiv, Derzh. polivvydav URSR, 1962. 516 p.

DIALECTICAL MATERIALISM—STUDY AND TEACHING

Let's improve the philosophical education of Soviet scientists. *G. V. Platonov. Nauch. dokl. vyz. shkoly. filon. nauk* 6 no. 1:146-151 '63.

DIAMONDS see subdivision under Mirnyy; Yakuba

DIAMONDS—ELECTRIC PROPERTIES

Diamonds with semiconductor properties (from "Elektronika," no. 1 1962). *Radio* no. 12:57 11 '62.

DIAMONDS, ARTIFICIAL

Graphite versus granite. *IU, Sergeev. Sov. nauk* no. 4: 16-18 '63.

DIATHERMY

Dynamics of blood serum protein fractions in liver, kidney, and lung diathermy. *T. V. Gavrilukh. Vop. pat. krovi i krovoobr.* no. 6:166-173 '61.

DIATLOV, PETRO IURHOVYCH, 1883-1933

Tireless soldier of the revolution; on the 50th anniversary of P. I. Diatlov's birth. *A. D. Iarushenko. Ukr. ist. zhur.* 6 no. 1:94-96 Ja-F '63.

DIAZONIUM COMPOUNDS

Diazonium salts of aryl sulfonic acids. Infrared spectra in the region of stretching vibrations of the SO₂ group. *V. V. Kozlov, I. A. Kolesnik. Zhur. obshch. khim.* 33 no. 3:746-754 Mr '63.

DIAZONIUM COMPOUNDS—ABSORPTION SPECTRA

Diazonium salts of arylsulfonic acids. Infrared spectra in the region 2100-2300 cm⁻¹. *B. S. Kikot', I. A. Kolesnik. Zhur. obshch. khim.* 33 no. 3:997-1001 Mr '63.

DICTIONARIES, POLYGLOT

Nakhimzhan, O. E., comp. [Dictionary of mineralogical terms in five languages] *Platinyzhechnyi slovar' mineralogicheskikh nazvaniy. Pod red. S. S. Kolesnikova*. V. I. Moskva, Glav. red. inostr. nauchno-tekhn. slovaroi Fizmatgiz, 1962. 347 p.

DIE CASTING

Inoculation of aluminum in die casting. *L. I. Tushinskii, K. I. Tushinskaya, L. G. Smolnikova. Lit. protzv.* no. 1:5-6 Ja '63.

Machine units for low-pressure casting. *V. N. Rodell. Lit. protzv.* no. 1:12-13 Ja '63.

New AL15-8K aluminum alloy for pressure casting. *E. A. Lebedev, V. N. Gudimov. Lit. protzv.* no. 5:9-10 My '63.

Rate of compression in die casting machines. *A. B. Britva and others. Lit. protzv.* no. 1:10-11 Ja '63.

DIE CASTING—EQUIPMENT AND SUPPLIES

Improving die-casting machinery. *M. L. Zaslavskii. Vest. mashinostr.* 43 no. 2:84-89 F '63.

DIELECTRIC CONSTANTS

Dielectric permeability of biological objects. *B. I. Sedunov, D. A. Frank-Kamenetskii. Usp. fiz. nauk* 73 no. 4:617-630 Ap '63.

DIELECTRICS

High dispersion iron carbonyl powder for high frequency magnetic dielectrics [with summary in English]. *A. P. Fridenberg and others. Parovozh. met.* 3 no. 1:33-41 Ja-F '63.

Investigations of the temperature dependence of the dielectric constant and the tangent angle of dielectric losses of rocks on different frequencies. *A. T. Babinenko. Izv. AN SSSR, Ser. geofiz.* no. 456-463 Mr '63.

Nature of substances with intermolecular hydrogen bonds. *M. I. Shakhparonov. Dokl. AN SSSR* 149 no. 2:374-377 Mr '63.

Radiation of an oscillator moving near a dielectric. *I. G. Naryshkina. Radiotekh. i elektron.* 8 no. 3:475-482 Mr '63.

Reference sheet. *Radio* no. 4:55-58 Ap '63.

DIES (METALWORKING)

Calculating the matrices of blanking dies. *A. I. A. Maklakov. Trakt. i sei'khovmash.* 33 no. 1:35-37 Ja '63.

Combination die for the manufacture of chaplets. *A. M. Durasov. Lit. protzv.* no. 2:41-42 F '63.

Evaluation and choice of electrodes for the hard facing of dies. *V. M. Panovko. Svar. protzv.* no. 3:25-28 Mr '63.

Fixed metal dies for the sizing of bushings with collars by the compression method [with summary in English]. *I. D. Radomyshchuk, E. L. Pechentkovskii. Porosh. met.* 3 no. 1:63-62 Ja-F '63.

Hard facing of dies for cold stamping. *I. N. Egorov. Svar. protzv.* no. 3:26-30 Mr '63.

VIESKH (METALWORKING) (Continued)
Sokolov, M. I. [Economic design of dies for horizontal stamping machines] Ekonomicheskaya konstruktsiya shkafov gorizontally no-kovochnykh mashin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-305/15)

VIESKH (METALWORKING)—MAINTENANCE AND REPAIR
Sokolov, N. L. [Economy of the steel in drop forging with mechanical forging presses] Ekonomika shtampovki stali pri shtampovke na krivoshipnykh kovochno-shtampovochnykh pressakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-202/11)

DIESEL ELECTRIC POWER PLANTS
Automatically controlled diesel electric power plants for logging enterprises. N. A. Akovlev, I. M. Tendler. Les. prom. 41 no. 1:9-10 Ja '63.
Classification and methods for designing systems for stopping the engines of diesel electric power plants. D. N. Bystritskii, V. V. Pan'kin. Nauch. trudy VIESKH 11:141-177 '62.

DIESEL ENGINES
Changes in the excess air factor over the atomized-fuel flame area. A. S. Lyshevskii. Trudy NPI 13:17-23 '62.

"Diesel locomotive and marine engines." Reviewed by V. I. Gitis. Energomashinostroenie 9 no. 1:43, 46 Ja '63.

Effect of the power loss component on the performance of a two-cycle diesel engine with network blow-out. M. G. Kruglov, V. I. Ivin. Energomashinostroenie 9 no. 2:16-20 F '63.

Mechanized cleaning of the castings of the cylinder block of the D-48 diesel engine. M. V. Shenin. Trakt. i sel'khoz. mash. 32 no. 12:36-37 D '62.

New turbocompressor for a 3,000 hp. diesel locomotive engine. V. G. Perfilov, A. F. Karpov. Energomashinostroenie 9 no. 1:27-29 Ja '63.

Some remarks concerning K. N. Koplev's article "Accuracy of the construction of the heat consumption curve of a diesel engine." Z. M. Minkin. Energomashinostroenie 9 no. 2:40-42 F '63.

DIESEL ENGINES—MAINTENANCE AND REPAIR
Korovin, V. N. [Diesel-engine mechanic] Slesar'-dizelists. Izd. 2., dop. Moskva, Voenizdat, 1963. 559 p.

DIESEL ENGINES—SAFETY APPLIANCES
Use of machines with diesel engines in crosscutting. I. S. Serpukh. Shkhit. stroit. 7 no. 2:23-24 F '63.

DIESEL FUELS
Investigation of oil and fuel fractions obtained by the hydrogenation of diesel oil distillates and raffinates. M. A. Mardanov and others. Azerb. khim. zhur. no. 2:25-30 '62.

DIESEL LOCOMOTIVES
(see also subdivision under Kolomna)
New turbocompressor for a 3,000 hp. diesel locomotive engine. V. G. Perfilov, A. F. Karpov. Energomashinostroenie 9 no. 1:27-29 Ja '63.
Russia (1923- U. S. S. R.) Ministerstvo putei soobshcheniya. Glavnoe upravleniye uchobnyimi zavedeniyami. [Manual on term and diploma projects in the "Diesel locomotives" section of railroad engineering technicums] Posobie po kursovomu i diplomnomu proektirovaniyu dlia tekhnikumov zheleznodorozhnogo transporta spetsial'nosti "Teplovoznoye khoziaistvo." Moskva, 1962. 145 p.

DIET IN DISEASE
Tershteyn, F. K. [Concise training manual for dietotherapy] Kratkoe uchebnoe posobie po dietoterapii. Moskva, Tsentr. in-t usovershenstvovaniya vrachei. Pt. 1-2. 1962. (DNLM)

Nutrition in cholecystitis. G. F. Markova. Zdorov'e 9 no. 2:25-27 F '63.

Nikeeva, V. K. [Dietotherapy in liver and biliary tract diseases] Lechebnoe pitanie pri bolezniakh pecheni i zhelchnykh putei. Moskva, Medgiz, 1962. 44 p. (DNLM)

DIETZGEN, JOSEPH, 1828-1898
Joseph Dietzgen" by V. V. Volkova. Reviewed by A. F. Okulov. Nauch. dokl. vys. shkol yz. filol. nauk 6 no. 1:136-138 '63.

DIFFERENCE EQUATIONS
Replacing differential equations by difference equations in solving a Cauchy problem. I. A. Klokov. Izv. vys. ucheb. zav. i mat. no. 2:53-59 '63.
Stability of solutions to a linear second-order difference equation. A. L. Tepin. Izv. vys. ucheb. zav. i mat. no. 2:120-123 '63.

DIFFERENTIAL EQUATIONS
Asymptotic behavior of solutions to parabolic equations and the ergodic property of inhomogeneous diffusion processes. A. M. Il'in, R. Z. Khas'minski. Mat. sbor. no. 3:366-392 Mr '63.

Boundary value problems for a Tricomi equation with discontinuous boundary conditions. N. E. Tovmanson. Sib. mat. zhur. 4 no. 2:391-407 Mr-Apr '63.

Differential equations with functional parameters [with summary in English]. E. M. Polishchuk. Ukr. mat. zhur. 15 no. 1:13-24 '63.

General boundary value problems for elliptic equations with discontinuous coefficients. I. A. Roitberg, Z. G. Shefel'. Dokl. AN SSSR 148 no. 5:1034-1037 F '63.

Matveev, N. M. [Integration methods for ordinary differential equations] Metody integrirvaniya obyknovykh differentsial'nykh uravnenii. Izd. 2., perer. Moskva, Vysshaya shkola, 1963. 545 p.

A method for determining the regions of existence of periodic and almost periodic solutions to quasi-linear differential equations with small parameters and non-analytic nonlinearity characteristics. I. U. A. Rikobov. Izv. vys. ucheb. zav. i mat. no. 2:101-107 '63.

Nomographic representation of equations of the first genus with three variables. A. M. Bukhvalov. Dokl. AN SSSR 148 no. 5:1005-1008 F '63.

Numerical implementation of the method of reduction to ordinary differential equations. Z. A. Vlasova. Sib. mat. zhur. 4 no. 2:475-479 Mr-Apr '63.

Ponomarev, K. K. [Derivation and solution of differential equations in technical engineering problems] Sostavleniye i resheniye differentsial'nykh uravnenii inzhenerno-tekhnicheskikh zadach; posobie dlia fiziko-matematicheskikh fakul'tetov pedagogicheskikh institutov. Moskva, Ucheptedgiz, 1962. 163 p.

Principle of averaging for parabolic and elliptic differential equations and Markov processes with small diffusion [with summary in English]. R. Z. Khas'minski. Teor. veroiat. i ee prim. 8 no. 1:3-25 '63.

Qualitative description of a strong resonance in a nonlinear system. V. K. Mel'nikov. Dokl. AN SSSR 148 no. 6:1257-1260 F '63.

Replacing differential equations by difference equations in solving a Cauchy problem. I. U. A. Klokov. Izv. vys. ucheb. zav. i mat. no. 2:53-59 '63.

Solution of a generalized boundary value problem for a system of ordinary differential equations using Cauchy problems. V. E. Shamanskii. Ukr. mat. zhur. 15 no. 1:101-106 '63.

Solution of the raindrop coagulation equation taking condensation into account. A. M. Golovin. Dokl. AN SSSR 148 no. 6:1290-1293 F '63.

Some cases of integrability of the equations of gyrostat motion. L. N. Sretenskii. Dokl. AN SSSR 149 no. 2:202-204 Mr '63.

Some problems concerning the oscillation of solutions to nonlinear nonautonomous second-order equations. V. N. Shevelo, V. G. Shtelik. Dokl. AN SSSR 149 no. 2:276-277 Mr '63.

Stability of the periodic solution to a system of three differential equations. A. I. A. Khokhrinov. Izv. vys. ucheb. zav. i mat. no. 2:134-139 '63.

Theory of general boundary value problems for parabolic systems. S. D. Eidel'man. Dokl. AN SSSR 149 no. 4:732-735 Ap '63.

Uniqueness of the solution to a boundary value problem for a convex region. S. M. Nikol'skii. Dokl. AN SSSR 148 no. 5:1022-1025 F '63.

Uniqueness of the solution to Cauchy's problem for differential operator equations. L. N. Prokopenko. Dokl. AN SSSR 149 no. 5:1030-1033 F '63.

Vlasov's equation for crystals. I. P. Bazarov. Dokl. AN SSSR 148 no. 6:1283-1285 F '63.

Wiener-Hopf type of equation for n-dimensional random processes with rational spectral density. V. F. Plesarenko. Dokl. AN SSSR 149 no. 4:776-779 Ap '63.

DIFFERENTIAL EQUATIONS—PROBLEMS, EXERCISES, ETC.

Matveev, N. M. [Problems and exercises in the theory of ordinary differential equations] Sbornik zadach i uprazhnenii po obyknovym differentsial'nykh uravneniyam. Izd. 2., ispr. i dop. [Moskva] Rosvuzizdat, 1962. 291 p.

DIFFERENTIAL EQUATIONS, LINEAR

Cauchy's problem for an iterated linear differential operator equation. M. M. Olevskii. Dokl. AN SSSR 149 no. 5:1026-1029 F '63.

Linear parabolic equations degenerating at the boundary of the region. G. N. Smirnova. Sib. mat. zhur. 4 no. 2:343-358 Mr-Apr '63.

Spectral criteria of the stability of solutions to linear differential equations with periodic coefficients. Z. I. Rekhitskii. Dokl. AN SSSR 149 no. 2:260-263 Mr '63.

DIFFERENTIAL EQUATIONS, PARTIAL

Extension of the smoothness of solutions to differential equations of the principal type. V. V. Grushin. Dokl. AN SSSR 148 no. 6:1241-1244 F '63.

DIFFERENTIAL GEOMETRY see Geometry, Differential

DIFFRACTION

Diffraction mechanism of the inverse $r \rightarrow \mu + \nu$ decay process in the field of a nucleus [with summary in English]. I. U. P. Nikitin. Zhur. eksp. i teor. fiz. 44 no. 3:957-961 Mr '63.

DIFFUSION

Diffusion coefficient in the system niobium-carbon. S. S. Nikolskii. Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo no. 1:199-200 Ja-F '63.

Diffusion of charged plasma particles in a magnetic field. V. E. Golant. Usp. fiz. nauk 78 no. 3:377-440 Mr '63.

DIGESTIVE ORGANS—DISEASES

Kumsiev, Sh. A. [Diagnosis and treatment of diseases of the digestive organs in animals] O diagnostike i terapii zhivotnykh s zabolevaniyami organov pishchevarenia. Moskva, Izd-vo M-va sel'skogo khoziaistva RSFSR, 1962. 95 p. (DNAL)

DIKES (GEOLOGY)

(see also subdivision under Olvyanaya District)

Xenoliths in dikes and dike-like bodies of diorite-porphyrates and granodiorite-porphyrates. V. P. Tsvirko. Geol. i geofiz. no. 11:102-105 '62.

DILATOMETRY

Dilatometry of binary titanium-base alloys. B. A. Borok and others. Metalloved. i term. obr. met. no. 2:32-36 F '63.

DIMENSIONAL ANALYSIS

Modeling processes of in-the-ladle treatment of metal by slag. N. I. Biriukov, A. N. Morozov. Izv. vys. ucheb. zav. i chern. met. 6 no. 2:30-44 '63.

DIODES

Generation of microwave oscillations by electrons in a potential hole made up by a positive space charge. M. D. Gabovich, G. S. Kirichenko. Radiotekh. i elektron. 8 no. 3:520-522 Mr '63.

Two-pole diode grids. V. V. Obratsov. Dokl. AN SSSR 149 no. 4:831-834 Ap '63.

DIOPHANTINE ANALYSIS

Diophantine equations of the third degree. V. P. Minkishchev. Dokl. AN SSSR 148 no. 5:1020-1021 F '63.

DIPHENYHYDRAMINE

Comparative effectiveness of different methods of treatment of typhoid and paratyphoid diseases. K. T. Tishchenko. Trudy Kish. gos. med. inst. 13:93-98 '60.

DIPHENYLAMINE—DIPOLE MOMENTS

Dipole moments of some substituted diphenylamines. A. E. Lutsik, L. A. Kochergina, P. M. Bugai. Zhur. ob. khim. 33 no. 3:685-687 Mr '63.

DIPHITHERIA see subdivision under Turkmenistan

DIPHITHERIA—PREVENTIVE INOCULATION see subdivision under Tashauz Province

DIPYRONE

Quantitative determination of analgin by titration in anhydrous solvents. V. P. Neorhtilevskiy, N. P. Dzuba. Farmats. zhur. 17 no. 4:17-20 '62.

DISARMAMENT

Message to peoples of the entire world from the Universal Congress for Disarmament and Peace. Brat. vest. no. 5:5-6 '62.

Spring, peace, creativeness. Sov. Soluz no. 4:3-4 '63.

A way to peace or a labyrinth? O. Bogdanov. Mezhdunar. zhizn' 10 no. 4:122-129 Ap '63.

DISARMAMENT—CONGRESSES

Appeal to the peoples of the world. Kul't. i zhizn' 6 no. 9:2-3 '62.

Comments by participants in the world congress. J. Murray and others. Kul't. i zhizn' 6 no. 9:5-7 '62.

Communiqué of the meeting of representatives of various confessions, members of the Universal Congress for Disarmament and Peace, at the Troitse-Sergiev Monastery in Zagorsk, July 13, 1962. Brat. vest. no. 5:67-8 '62.

Congress sounds the alarm. Kul't. i zhizn' 6 no. 9:3-5 '62.

DISCOUNT (REBATE) see Rebates

DISEASES, FEIGNED see Malingering

DISINFECTION AND DISINFECTANTS

Effectiveness of disinfection during artificial insemination. G. V. Parshulin. Trudy VNIK no. 17:130-144 '49.

DISKS, ROTATING

Turbodrill stator and rotor disks made of magnesium cast iron. R. S. Kalinin. Lit. proizv. no. 1:36-37 Ja '63.

DISLOCATIONS IN CRYSTALS

Dislocation structure of NaCl single crystals subjected to creep tests. I. A. E. Geguzin, V. I. Rabets. Dokl. AN SSSR 149 no. 4:818-821 Ap '63.

DISLOCATIONS IN METALS

Mechanism of the plastic deformation of metals. N. N. Davidenko, E. I. Brainin. Dokl. AN SSSR 149 no. 4:822-823 Ap '63.

Substructure and distribution of dislocations in deformed mild steel. R. D. Rusev. Metalloved. i term. obr. met. no. 3:21-27 Mr '63.

- DISMISSAL OF EMPLOYEES** see Employees, Dismissal of
- DISPLAY OF MERCHANDISE**
(see also subdivision under Kazakhstan)
Aleksandrova, V. I., and G. G. Kotelnikova. [Arrangement of window displays in stores selling manufactured goods] Oformlenie okonnnykh vitrin promtovarnykh magazinov. Moskva, Gos izd-vo torg. lit-ry, 1962, 66 p.
- DISPOSAL OF REFUSE** see Refuse and refuse disposal
- DISSERTATIONS, ACADEMIC** see subdivision under Moscow
- DISTANCE GEOMETRY**
Isolated singular point on a surface of negative curvature with a regular metric. E. R. Rozendorn. Dokl. AN SSSR 149 no. 4:780-783 Ap '63.
- DISTANCES—MEASUREMENT**
Geodetic leveling in determining distances on a rod with a rigid base. V. F. Pavlov. Geod. i kart. no. 2:29-33 F '63.
- DISTILLATION**
Testing of the readiness of grain and potato pulp cooking in distilleries based on the acidity of the extra vapor condensate. A. G. Zaborodskii, A. F. Polozhishnik. Izv. vys. ucheb. zav. i spets. tekhn. no. 1:134-138 '63.
- DISTILLATION, DESTRUCTIVE**
Absorption capacity of oils used for the absorption of benzene hydrocarbons. I. U. N. Garber, N. A. Iufanova. Koks i khim. no. 3:35-37 '63.
- DISTILLATION, FRACTIONAL** see subdivision under Volgograd
- DISTILLERIES—FIRES AND FIRE PREVENTION**
Fire in a distillery. V. Monakhov. Pozh. delo 9 no. 2: 16-18 F '63.
- DISTILLING INDUSTRIES**
For a further upswing of technology and economics in the distillery industry. Spirt, prom. 29 no. 2:1-4 '63.
- DISTILLING INDUSTRIES—BIBLIOGRAPHY** see Bibliography—Distilling Industries
- DISTILLING INDUSTRIES—BY-PRODUCTS**
(see also subdivision under Rakvere)
Obtaining feed yeasts from discard molasses. A. G. Zaborodskii, P. G. Psalom, V. F. Pogrebnaia. Spirt, prom. 29 no. 2:32-39 '63.
Production of ferment preparations based on potato pulp. V. M. Zelenskii. Spirt, prom. 29 no. 2:40-41 '63.
Technical and economic investigation into the boiling down and burning of the distilling wash concentrate of molasses in distilleries. V. N. Rybachuk. Izv. vys. ucheb. zav. i spets. tekhn. no. 1:7-12 '63.
- DISTRIBUTIVE EDUCATION**
Form of education which reaches the greatest number of people. V. Brainikov. Sov. potreb. koop. 7 no. 4: 44-47 Ap '63.
- DIVING, SUBMARINE** see subdivision under United States
- DIVING SUITS**
A system of feeding a diving suit with air. N. F. Burmistrov. Sbor. izobr. v ryb. prom. za 1959 g. :133-134.
- DIVISION OF LABOR**
(see also subdivision under Europe, Eastern)
Changes in the technical division of labor under the conditions of the building of communism. L. Logvinov, E. Kulikova. Polit. samobor. 7 no. 2:78-82 F '63.
Changing nature of labor and the all-round development of the individual [with summary in English, p. 183]. G. P. Kozlova, Z. I. Fainburg. Vop. filos. 17 no. 3: 55-62 '63.
Communism and the division of labor [with summary in English, p. 183]. S. G. Strumilin. Vop. filos. 17 no. 3: 37-49 '63.
Division of labor in a communist society doesn't exclude the possible change of occupation and the all-round development of the individual [with summary in English, p. 183]. N. S. Novoselov. Vop. filos. 17 no. 3:49-55 '63.
Kornienko, V. P. [Communal division of labor during the period of the transition to communism] Obshchestvennoe razdelenie truda v period perekhoda k kommunizmu. Moskva, Ekonomizdat, 1963, 260 p.
Nikolaev, M. V. [Division of labor and the building of communism] Rozpodil po pratsi i budivnytstvo komunizmu. Kyiv, Derzhpolitydyav. URSR, 1962, 44 p. (Na dopomohu vyychaychym: Materialy XXII z'lyzdu KPRS)
- DNEPROPOTETROVSK HYDROELECTRIC POWER STATION**
Electric steps. I. Aroslava Sobko. Sov. Ukr. 13 no. 1: 152-158 Ja '63.
The fourth power station on the Dnieper. I. Svirin, M. Stoikevich. NTO 5 no. 2:21-23 F '63.
- DNEPROPOTETROVSK**
The 175th anniversary of the founding of Dnepropetrovsk. Stroi. i arkhit. 10 no. 7:34 JI '62.
- DNEPROPOTETROVSK—RAILROADS—TECHNOLOGICAL INNOVATIONS**
We have a volunteer design and construction bureau working for us. N. A. Serebrodolskii. Put' i put. khoz. 7 no. 4:31 '63.
- DNEPROPOTETROVSK—STEEL INDUSTRY—FINANCE**
Quality of production and profitability in metallurgical enterprises. K. Vorobiova. Ekon. Rad. Ukr. no. 1:36-39 Ja-F '63.
- DNEPROPOTETROVSK—TECHNOLOGICAL INNOVATIONS**
New achievements of an integrated brigade of innovators. V. G. Ulitin. Avtom. i prib. no. 1:87-88 Ja-Mr '63.
- DNEPROPOTETROVSK—WOMEN IN PUBLIC LIFE**
An oral magazine. A. Zueva. Rabotnitsa no. 1:16 Ja '63.
- DNEPROPOTETROVSK PROVINCE—PUBLIC HEALTH**
National initiative. N. P. Tolubeev. Zdorov'e 9 no. 2: 1-2 F '63.
- DNEPR—DONETS LOWLAND—GEOLOGY, STRUCTURAL**
Combined use of reflection and refraction correlation methods for solving regional problems and detailed studying of the structures of the Dnieper-Donets Lowland. I. U. B. Demidenko. Geofiz. sbor. no. 2:62-72 '62.
- DNEPR—DONETS LOWLAND—SEISMIC PROSPECTING**
Combined use of reflection and refraction correlation methods for solving regional problems and detailed studying of the structures of the Dnieper-Donets Lowland. I. U. B. Demidenko. Geofiz. sbor. no. 2:62-72 '62.
- DNEPR RIVER—HYDRAULIC ENGINEERING**
Grin'ko, R. I., and I. L. Rozovskii. [Theory and practice of major straightening work on the Dnieper] Teoriia i opyt kapital'nykh vypravitel'nykh rabot na Dnepre. Pod red. A. B. Tolmacheva. Kiev, Izd-vo Akad. nauk SSSR, 1962, 126 p.
- DNEPR VALLEY—ANTIQUITIES**
Mutual relations between the Sarmatians and the late Scythian population in the steppe villages of the Lower Valley. N. P. Abramova. Mat. i issi. po arkheol. SSR no. 115:274-283 '62.
- DNEPR VALLEY—COPPER ORES**
Pre-Cambrian copper manifestation in the Ukrainian Crystalline Shield. F. I. Solov'eva. Geol. rud. mestorozh. 5 no. 1:114-116 Ja-F '63.
- DNEPR VALLEY—EARTH—SURFACE**
Determining the crustal depth of the Ukrainian Crystalline Shield on the basis of surface wave dispersion. B. N. Shechikov, O. I. Iurkevich. Geofiz. sbor. no. 1:75-78 '62.
- DNEPR VALLEY—GEOLOGY, STRATIGRAPHIC**
Some results of geological studies in the zone of magnetic anomalies on the boundaries of the Ovruch series of rocks. I. U. G. Gerasimov. Geofiz. sbor. no. 2:93-96 '62.
- DNEPR VALLEY—GUIDEBOOKS**
Kiev-Odesa [Kiev, Gos. Izd-vo izobrazitel'nogo iskusstva i muzykal'noi lit-ry USSR, 1962, lv. (chiefly illus)]
- DNEPR VALLEY—MAGNETIC ANOMALIES**
Some results of geological studies in the zone of magnetic anomalies on the boundaries of the Ovruch series of rocks. I. U. G. Gerasimov. Geofiz. sbor. no. 2:93-96 '62.
- DNEPR VALLEY—PORPHYRY**
Pseudoleucitic tinguait-porphyry from the Yelanchik region (southeastern edge of the Ukrainian Crystalline Shield). I. D. TSarovskii. Dokl. AN SSSR 149 no. 4: 951-953 Ap '63.
- DNEPR VALLEY—QUARTZITE—MAGNETIC PROPERTIES**
Experience in studying the magnetization of ferruginous quartzites in the Kremenchug Magnetic Anomaly. B. A. Krutikhovskii, V. N. Zavoiskii. Geofiz. sbor. no. 1: 85-98 '62.
- DNEPR RIVER—RAILROAD BRIDGES**
Manufacture of a precast roadway at the building site. L. F. Korzun, N. F. Usinov. Transp. stroi. 13 no. 2: 15-16 F '63.
- DNEPR VALLEY—AFFORESTATION**
Selecting erosion resistant forest species for rubbly and stony soils in the Dnieper Valley. IE. I. Leydanskii. Visnyk all'hozp. nauky 6 no. 2:55-58 F '63.
- DOBROLIUBOV, NIKOLAI ALEKSANDROVICH, 1836-1891**
N. G. Chernyshevskii and N. A. Dobrolubov on the significance of literature in the education of youth. I. K. Golubeva. Sov. pedagog. 27 no. 3:121-130 Mr '63.
- DOBRUDJA—AGRICULTURAL RESEARCH**
Institute in Dobrudja. Kiril Enikov. Vest. nauch. nauki 7 no. 12:139-141 D '62.
- DOCUMENTARY FILMS** see Motion pictures, Documentary
- DOGS—LEGENDS AND STORIES**
Björn, the devoted friend. O. Kokerin. Vokrug sveta no. 2:30 F '63.
- DOGS—PHYSIOLOGY**
Changes in the dental pulp in dogs following extirpation of the superior cervical ganglion. B. V. Ukolovskaya. Probl. stom. 6:130-142 '62.
- DOLICHOPODIDAE** see subdivision under Central Europe
- DOLMENHO, MYKHAILO**
"Meditations" by Mykhailo Dolmenho. Reviewed by Igor Postupaivskii. Sov. Ukr. 13 no. 2:174-175 F '63.
- DOLOMITE—ANALYSIS** see subdivision under Carpathian Mountains; Irkutsk Province
- DOLOMITE—TESTING** see subdivision under Irkutsk Province
- DOLPHINS**
How I learned to talk to my dolphins. John Lilly. Nauka i zhizn' 29 no. 12:82-86 D '62.
- DOMAIN STRUCTURE**
Study of boundary layers between domains in ferromagnetic substances [with summary in English]. M. K. Savchenko, V. I. Sinogubov. Zhur. eksp. i teor. fiz. 44 no. 3:781-782 Mr '63.
- DOMESTIC EDUCATION**
Two Andrews and Aleksandr. V. Kondratyev. Hal-stitsa no. 1:20 Ja '63.
- DOMESTIC RELATIONS**
Determination of the "members of the family" in Soviet housing law [with summary in English]. A. G. Pottukov. Vest. LGU 10 no. 5:88-98 '63.
Soviet workers suggest the amendment of marriage and family laws. I. I. Babukhin, I. U. Korolev. Sov. tust. no. 7:4-6 Ap '63.
- DOMINION OF THE SEA** see Sea power
- DONETS BASIN—CITIES AND TOWNS**
Shest'ye. Nauka i zhyttia 12 no. 1:60 Ja '63.
- DONETS BASIN—CITY PLANNING**
Thoughts on the colorful cities of the future. P. Novykov. Nauka i zhyttia 12 no. 1:55-56 Ja '63.
- DONETS BASIN—COAL MINES AND MINING**
Greater Donets Basin. I. Shapoval. Nauka i zhyttia 12 no. 1:3 Ja '63.
A machine drills a shaft. S. Ivanov. Nauka i zhyttia 12 no. 1:15 Ja '63.
Mine of the future. O. Novykov. Nauka i zhyttia 12 no. 1:28-29 Ja '63.
- DONETS BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY**
Donets temperament. H. Domanov. Nauka i zhyttia 12 no. 1:20-22 Ja '63.
- DONETS BASIN—COAL MINING MACHINERY**
Coal plow. M. Lohasov. Nauka i zhyttia 12 no. 1:14 Ja '63.
- DONETS BASIN—COAL PREPARATION**
Comparative testing of dewatering centrifuges. I. M. Litmanovich and others. Koks i khim. no. 3:11-14 '63.
- DONETS BASIN—COMMUNITY CENTERS**
Community centers of the Donets Basin work for rural areas. M. Mel'nikov. Klub 12 no. 3:10 Mr '63.
- DONETS BASIN—ECONOMIC CONDITIONS**
Second birth of the Donets Basin. Nauka i zhyttia 12 no. 1:1-2 Ja '63.
- DONETS BASIN—ELECTRIC POWER PRODUCTION**
Finger on the pulse of the land. B. Hertsenov. Nauka i zhyttia 12 no. 1:42-44 Ja '63.
- DONETS BASIN—HISTORY**
From the biography of the Donets Basin. A. Jarnal'. Nauka i zhyttia 12 no. 1:3, 12-13, 23, 28, 31, 55 Ja '63.
From the depth of the mines. V. Sirobaba. Nauka i zhyttia 12 no. 1:4-6 Ja '63.
- DONETS BASIN—HYDRAULIC MINING**
Hydraulic coal mining. I. Sopov. Nauka i zhyttia 12 no. 1:8-10, 16 Ja '63.
- DONETS BASIN—HYDRAULIC MINING—EQUIPMENT AND SUPPLIES**
Designers of underground mechanisms. V. Karachentsev. Nauka i zhyttia 12 no. 1:11 Ja '63.
- DONETS BASIN—MACHINERY INDUSTRY**
In 54 countries... A. Mel'nychenko. Nauka i zhyttia 12 no. 1:7 Ja '63.

- DONETS BASIN—MINE HAULAGE**
Conveyer instead of a cart. V. Svetlov. Nauka i zhytlya 12 no. 1:12-13 Ja '63.
- DONETS BASIN—MINE TIMBERING**
Reinforcing junctions and workings of large sections with arch-type pileable supports. N. L. Feldman, A. M. Chilikin. Shakhstroi. 7 no. 4:27 Ap '63.
- DONETS BASIN—NAMES, GEOGRAPHICAL**
History of names. I. O. Hurzhil and others. Nauka i zhytlya 12 no. 1:17 Ja '63.
- DONETS BASIN—PEACH BREEDING**
A new address of peaches. V. Vlasenko. Nauka i zhytlya 12 no. 1:49 Ja '63.
- DONETS BASIN—RAILROADS**
Steel highways. K. Klymenko. Nauka i zhytlya 12 no. 1:47 Ja '63.
- DONETS BASIN—ROCKS—THERMAL PROPERTIES**
Geothermic studies of the Kadiyevskiy region in the Donets Basin. G. V. Duganov, V. N. Kukharov. Geofiz. sbor., no. 1:116-119 '62.
- DONETS BASIN—SHAFT SINKING**
Reserves for increasing the speed of constructing vertical shafts. R. G. Mordukhovich. Shakhstroi. 7 no. 2:3-5 F '63.
- DONETS BASIN—WAGES—COAL MINERS**
Wages in mixed brigades in coal mines. N. Gapeev. Sots.trud 8 no. 3:79-81 Mr '63.
- DONETSK—BUILDING MATERIALS**
Rock as a building material. P. Shaposhnikov. Nauka i zhytlya 12 no. 1:16 Ja '63.
- DONETSK—CITY PLANNING**
Problems of building development in Donetsk. I. Naimark, S. Severin. Stroi i arkhitekt. 10 no. 7:4-6 Ji '62.
- DONETSK PROVINCE—CONSTRUCTION INDUSTRY—ACCOUNTING**
Prevent misrepresentations in state reports. E. Lokshin. Vest.stat. no. 3:88-89 '63.
- DONETSK PROVINCE—FERTILIZER INDUSTRY**
The experience of innovators should be made available to all the workers. I. Z. Golopetrov. Neftianik 8 no. 1:23-25 Ja '63.
- DONETSK PROVINCE—GRAIN BREEDING**
Competing with nature. F. Katello. Nauka i zhytlya 12 no. 1:48-49 Ja '63.
- DONETSK PROVINCE—WATER, UNDERGROUND**
Ground water balance of pine stands in the Donets Steppe [with summary in English]. A. V. Plashchev. Pochvovedenie no. 3:105-110 Mr '63.
- DOPPLER EFFECT**
Doppler effect in nonuniform media. G. D. Yakovleva, O. I. Yakovlev, A. I. Rogashkova. Radiotekh. i elektron. 8 no. 3:416-424 Mr '63.
- DORMITORIES**
Furniture for dormitories. B. Zukin, I. Serediuk, G. Chuloi. Stroi i arkhitekt. 10 no. 7:37-39 Ji '62.
- DOSTOEVSKII, FEDOR MIKHAILOVICH, 1821-1881**
Golosovker, I. A. [Dostoevskii and Kant; a reader's thoughts on the novel "Brothers Karamazov" and Kant's treatise "Critique of pure reason"] Dostoevskii i Kant; razmyshlenie chitatelei nad romanom "Brat'ia Karamazovy" i traktatom Kanta "Kritika chistogo razuma." Moskva, Izd-vo Akad. nauk SSSR, 1963. 100 p.
- DOUBLE INTEGRALS** see Integrals, Multiple
- DOUBLE REFRACTION** see Refraction, Double
- DRAFT HORSES**
Russian draft horses. A. A. Yakovlev. Trudy VNIK 22 no. 1:226-263 '58.
Ways for increasing the productivity of horses in farm work. G. G. Karlsen. Trudy VNIK no. 17:55-64 '49.
Working out a method for investigating the working qualities of horses. G. G. Karlsen, A. B. Vosikov. Trudy VNIK no. 17:65-82 '49.
- DRAINAGE**
Kostikov, A. N. [Selected works] Izbrannye trudy. Moskva, Gos. Izd-vo sel'khoz. lit-ry, 1961. 2 v. (CU)
P'lyachenko, N. L., and E. D. Sabo. [Fundamentals of forest drainage] Osnovy gidrolasomelioratsii. Moskva, Goslesbumizdat, 1962. 380 p. (DNAL)
Problems facing water management construction workers in 1963. N. Ovsiannikov. Sel'. stroi. 17 no. 2:1-3 F '63.
- DRAINAGE, HOUSE—STANDARDS**
Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.
Pt. 2, Sec. G, ch. 4. [Indoor drainage in residential and public buildings; standards for design (SNIP II-G, 4-62)] Vnutrenniaia kanalizatsiia zhilykh i obshchestvennykh zdani; normy proektirovaniia (SNIP II-G, 4-62), 1962. 11 p.
- DRAWING**
Smirnov, G. D., and A. M. Solov'ev. [For the beginning artist; drawing from nature] Nachinaiushchemu khudozhniku; o risovanii s natury. Leningrad, Khudozhnik RSFSR, 1962. 99 p.
- DRAWING—INSTRUCTION**
Kulepova, T. I. [Avoiding errors in drawing lessons; from work practices] Preduprezhdenie oshibok na urokakh risovaniia; iz opyta raboty. Leningrad, Uchpedgiz, 1962. 94 p.
- DRAWING (METALWORK)**
[Sheet-metal work, cutting, sizing, and drawing]
Kholodnaia shtampovka, rubka, kallbrovka i volochenie. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos. 1, 3-4. 1958. [Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 6. Nos. M-58-52/2, M-58-173/4, M-58-248/5]
- DRAWING (METALWORK)—TERMINOLOGY**
Akademiia nauk SSSR. Komitet nauchno-tekhnicheskoi terminologii. [Metalworking by pressure; drawing, Terminology] Obrabotka metallov davleniem; volochenie. Terminologiya. Moskva, Izd-vo Akad. nauk SSSR, 1962. 16 p. (Iz-Sborniki rekomenduemykh terminov, no. 61)
- DREDGING MACHINERY**
Silin, N. A., and S. G. Kobornik. [Operating conditions of large dredgers and pipelines] Rezhimy raboty krupnykh zemlenosnykh snariadov i truboprovodov. Kiev, Izd-vo AN USSR, 1962. 214 p.
- DREDGING MACHINERY—TESTING**
Laboratory studies of the process of earth working with various types of earth-intake devices. A. I. Kharin, V. A. Razdol'nyi, V. V. Udiichev. Sbor. trud. VNIINerud no. 2:13-10 '62.
- DREISSENDAE** see subdivision under Volga Hydro-electric Power Station (Lening)
- DRESDEN—MACHINERY INDUSTRY—MANAGEMENT**
"Carrying out the plan by a socialist enterprise" [in German] by Manfred Tietze. Reviewed by S. Deich. Plan. khoz. 40 no. 4:88-92 Ap '63.
- DRESSINGS (SURGERY)** see Splints (Surgery)
- DRESSMAKING—PATTERN DESIGN**
Smirnov, L. S., and others. [Pattern design for knit goods] Konstruktsionnye trikotazhnykh izdelii. Moskva, Rostokhizdat, 1962. 187 p.
- DRILL (AGRICULTURAL IMPLEMENT)**
Holbed drill. F. Sazhin. Shkola i proizv. 6 no. 11:86 N '62.
The SZP-47 grain and grass press planter. I. A. Z. Novichenko, E. V. Kossov. Trakt. i sel'khoz mash. 33 no. 1:29-30 Ja '63.
- DRILLING AND BORING**
El'fimov, V. V. [Drilling deep holes in EI-808 (VZh-98) and EI-894 nickel-base heat resistant alloys] Sverlenie glubokikh otverstii v zharoprochnykh splyavakh na nikelovoi osnove marok EI-808 (VZh-98) i EI-894. Leningrad, 1962. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Mekhanicheskaya obrabotka materialov, no. 5)
Finish machining of large holes in body parts. V. E. Koiro, L. M. Belozertseva. Vest. mashinostr. 43 no. 2:67-69 F '63.
Petrov, A. K., and S. F. Surin. [Highly efficient method for the jig boring of deep blind holes in cylinders with subsequent reaming] Vysokoproizvoditel'nyi metod kombinirovannogo rastachiivaniia glubokikh otverstii talldrov s posledulushchim razvertivaniem. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-153/26)
Petrov, A. K., and S. F. Surin. [Using the stretching method in high-speed countersinking and hole reaming with hard-alloy tools] Skorostnoe zenkerovanie i razvertivanie otverstii tverdosplavnyim instrumentom metodom "na rastiazhenie." Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-34/8)
- DRILLING AND BORING MACHINERY**
Hand drill. A. N. Chefranov. Shkola i proizv. 6 no. 12:66 D '62.
- Kuchma, L. K. [Rigidity of large boring machines] Zhestkost' krupnykh rastochnykh stankov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 89 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-11/4)
Using insertion wedges with hydraulic drive to break down a block of concrete. N. D. Lazarevich. Prom. stroi. 41 no. 2:42-43 F '63.
- DRILLING AND BORING MACHINERY—MAINTENANCE AND REPAIR**
Davydov, I. B., N. F. Katinkin, and I. N. Liasenko. [General overhaul of a KR-450 jig-boring machine] Opyt kapital'nogo remonta koordinatno-rastochnogo stanka modelia KR-450. Leningrad, 1962. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Mekhanicheskaya Obrabotka metallov, no. 28)
- DRILLING AND BORING MACHINERY—VIBRATION**
Investigating vibrations caused by fine boring with rigid boring bars. V. F. Revva. Stan. i instr. 34 no. 4:24-25 Ap '63.
- DRILLING FLUIDS**
Mitel'man, B. I. [Handbook on hydraulic calculations in drilling] Spravochnik po gidravlicheskim raschetam v burenii. Gostoptekhizdat, 1963. 252 p.
- DRINKING WATER** see subdivision under Kherson Province
- DROGOBYCH—COMMUNITY CENTERS**
Good luck to you, friends! A. Uziian. Ogonek 40 no. 49:20 D '62.
- DRUG INDUSTRY** see subdivision under Lvov
- DRUGS**
New drugs. O. K. Pogrebniak. Farmatsev. zhur. 17 no. 4:70-88 '62.
- DRUGS—ADULTERATION AND ANALYSIS**
Frel'din, I. D. [Manual for qualitative chemical analysis in intrapharmaceutical control] Posobie po kachestvennomu khimicheskomu analizu pri vnutriaplechnom kontrole. Moskva, Medgiz, 1963. 206 p. (DNLM)
New photocolometric method for the quantitative determination of osarcol in drugs. N. F. Lavors'kyi. Farmatsev. zhur. 17 no. 4:13-17 '62.
- DRUGS—PHYSIOLOGICAL EFFECT**
Intravenous drip infusion of novocaine, atrophanthin, erysimine, and kendoride. V. M. Labutin. Vop. pat. krovi i krovoobr. no. 6:205-210 '61.
- DRYING**
Lebedev, P. D. [Calculation and design of drying systems] Raschet i proektirovanie suшил'nykh ustanoek. Moskva, Gosenergizdat, 1963. 310 p.
- DRYING APPARATUS**
How to increase the productivity of wall materials plants. E. Sheinman. Sel'. stroi. 17 no. 2:25-26 F '63.
Increasing the operative efficiency of the PKS and KSA dryers. V. V. Zvorykin, M. M. Dvortsin. Komm. i ov. prom. 10 no. 4:13-15 Ap '63.
Industrial testing of a combined dust collector of the drum dryer in the Chumakovo Central Coal Preparation Plant. A. V. Kalmykov, V. T. Bozhkov. Koks i khim. no. 3:14-17 '63.
- DRYING APPARATUS—CLEANING**
Chemical cleaning of dryers. N. S. Tsaplev, Z. V. Krainikova. Lit. proizv. no. 5:41 My '62.
- DRYING APPARATUS—SAND, FOUNDRY**
Sand drying in a fluidized bed. V. F. Durandin. Lit. proizv. no. 1:39-40 Ja '63.
- DRYING OF VEGETABLES** see Vegetables—Evaporation
- DUBNO DISTRICT—ATHEISM—STUDY AND TEACHING**
Using various methods. F. Kukhar'skyi. Voiv. atelst 3 no. 3:18-19 Mr '63.
- DUCKS** see subdivision under Rakhov District
- DUODENUM—INTUBATION**
Practical importance of the method of duodenal probing in the diagnosis of bile duct diseases. E. M. Chelak. Trudy Kish. gos. med. inst. 13:55-58 '60.
- DUSHANBE—MEDICINE, INDUSTRIAL**
When "we" are a collective. G. Popov. Soy. Kras. krest 12 no. 5:21 S-O '62.
- DUST—PREVENTION**
Automatic dust-settling system. G. I. Gordon, I. V. Shkharov. Lit. proizv. no. 5:15-16 My '62.
- DUST, RADIOACTIVE** see Radioactive fallout

DUST COLLECTORS

New highly efficient cyclone. A. T. Litvinov. *Teplotoenergetika* 10 no. 4:41-44 Ap '63.

Rudenko, K. G., and A. V. Kalmykov. [Dust removal and collection in mineral dressing] *Oshchyslivanie i pyleulavlivanie pri obrabotke poleznykh iskopaemykh*. Moskva, Gosgortekhnizdat, 1963. 422 p.

Uzhov, V. N. [Industrial dust control] *Bor'ba s pyl'iu v promyshlennosti*. Moskva, Goskhimizdat, 1962. 163 p.

DUST COLLECTORS—TESTING

Industrial testing of a combined dust collector of the drum dryer in the Chumakovo Central Coal Preparation Plant. A. V. Kalmykov, V. T. Bozhkov. *Koks i khim.* no. 3:14-17 '63.

DUTCH ELM DISEASE see subdivision under Khoper Preserve

DUTY

Hello, "Start" Viktor Levashov. *Smena* 40 no. 4:2-3 F '63.

DWELLINGS

Dunay, B. A. [Insulation of residential buildings] *Insolatsiya zhilykh zdaniy*. Moskva, Gosstroiizdat, 1962. 77 p.

DWELLINGS—DESIGN AND CONSTRUCTION see subdivision under Caucasus, Northern

DYES AND DYEING

Acid-basic properties of leuco compounds of vat substances and simple dyes. M. G. Romanova, V. G. Abozin. *Zhur. prikl. khim.* 36 no. 2:441-446 F '63.

Heraclius' manuscript "The arts and dyes of the Romans" written in the 8th and 9th century. A. V. Vinner, N. E. Elisheva. *Soob. VTSNILKR* no. 4:23-59 '61.

Intermediate products and dyes containing a residue of ethylenimine. Zhen' Go-du [Jen Kuo-tu], L. S. Efros. *Zhur. ob. khim.* 33 no. 3:956-959 Mr '63.

Manuscript of an unknown author preserved in Bern; the manuscript "Anonymus Bernensis." A. V. Vinner, N. E. Elisheva. *Soob. VTSNILKR* no. 4:60-66 '61.

New synthesis of dyes of the triazine series. Part 1: Vat dyes. V. A. Titkov, I. D. Plotnev. *Zhur. ob. khim.* 33 no. 3:953-956 Mr '63.

Polymethine dyes containing ferrocene residues. Part 1: Synthesis of ferrocenylbenzothiazoles and preparation of thiazanines. I. K. Ushenko, K. D. Zhukhareva, F. Z. Rodova. *Zhur. ob. khim.* 33 no. 3:798-804 Mr '63.

Subject and name index for the Heraclius and Bernensis treatises. *Soob. VTSNILKR* no. 4:67-75 '61.

DYES AND DYEING—CHEMISTRY

Changes occurring in the sulfur-containing components of the hair keratin of rabbit skins dyed with aniline black dyes. G. P. Kadzharuzova. *Nauch. issl. trudy NIIMP* no. 11:28-37 '62.

DYES AND DYEING—RUBBER GOODS

New production variety of organic pigments for the rubber industry. V. V. Mikhailov and others. *Khim. prom.* no. 1:25-28 Ja '63.

DYGAI, NIKOLAI ALEKSANDROVICH, 1908-1963

Nikolai Aleksandrovich Dygai. *Stroi. i arkh.* Mosk. 12 no. 3:36 Mr '63.

DYNAMICS

A theorem of Liouville concerning integrable dynamic problems. V. I. Arnold. *Sib. mat. zhur.* 4 no. 2:471-474 Mr-Apr '63.

DYNAMICS—STUDY AND TEACHING

Iablonskii, A. A. [Theoretical mechanics course] *Kurs teoreticheskoi mekhaniki*. Moskva, Gos. izd-vo "Vysshaya shkola." Pt. 2. [Dynamics] *Dinamika*, 1962. 371 p.

DYNAMOMETER

Paramonov, V. F. [New dynamometric equipment and the measurement of cutting forces] *Novaya dinamometricheskaya apparatura i izmerenie sil rezaniya*. [Kulbyshev] *Kulbyshevskoe knizhnoe izd-vo*, 1962. 48 p. (Novoe v tekhnike)

The RESK-AFI rotary dynamometer combined with an electronic computer. Kh. M. Rafikhin, I. V. Korobochkin. *Sbor. trud. po sgon. fiz.* no. 10:229-246 '62.

DYNAMOS see Electric generators

DYSENTERY

Chlorotherapy for dysentery. E. S. Protasovich-Novoselova. *Trudy Kish. gos. med. inst.* 13:109-113 '60.

Reaction of the increase in the bacteriophage titer in dysentery diagnosis. G. Sh. Sabirova. *Vop. biol. i kraev. med.* no. 3:239-243 '62.

Some indicators of protein metabolism in dysentery patients treated with levomycetin and streptomycin. N. V. Maikova. *Trudy Kish. gos. med. inst.* 13:119-122 '60.

DYSOSTOSIS

Case of dislocation of the eyeball in a craniofacial dysostosis patient. A. I. Kosobutskaya. *Oft. zhur.* 17 no. 7: 443 '62.

DYSPEPSIA

Dynamics of total protein and protein fractions of the blood serum of newborn calves in various forms of dyspepsia. V. K. Chernukha. *Vsyanik sil'hosp. nauky* 6 no. 2:83-86 F '63.

DYSPROSIUM—ELECTRIC PROPERTIES

Temperature dependence of the electroconductivity and Hall effect in dysprosium and erbium [with summary in English]. N. V. Volkenshtein, G. V. Fedorov. *Zhur. eksp. i teor. fiz.* 44 no. 3:825-831 Mr '63.

DZHAMBUL PROVINCE—COOPERATIVE SOCIETIES

Heartless treatment of an important matter. S. Khamzina. *Koop. Kazakh.* 5 no. 1:21-23 Ja '63.

Winter requirements. A. Bondarenko. *Koop. Kazakh.* 5 no. 1:18-19 Ja '63.

DZHANKOI—CANNING INDUSTRY

Our tasks in 1963. R. V. Zablotskii. *Kons. i ov. prom.* 18 no. 4:5-6 Ap '63.

DZHEHTU RANGE—GEOLOGY, STRATIGRAPHIC

Age of Paleozoic limestones of the Dzhehtu Range (Northern Caucasus). D. S. Kizeva. *Dokl. AN SSSR* 148 no. 5:1159-1161 F '63.

DZHEHTYM—TAU—CHLORITES

Laboratory study of chlorites from the Dzhetym iron-ore deposit (Tien Shan). B. Dzholdoshev. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 7:53-61 '62.

DZHEHTYM—TAU—IRON ORES

Laboratory study of chlorites from the Dzhetym iron-ore deposit (Tien Shan). B. Dzholdoshev. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 7:53-61 '62.

DZHUVALINSKIY DISTRICT—RETAIL TRADE

New features in Dzhuvallinskii district. S. Iekakova. *Koop. Kazakh.* 5 no. 1:33-34 Ja '63.

EAR—DISEASES

Clinical histological studies of the role of ear polypi in the course of chronic suppurative otitis media. S. S. Kiskachi. *Vest. otorin.* no. 4:57-61 '62.

Endaural tympanoplasty in chronic suppurative otitis media. F. V. Kastorskii. *Vest. otorin.* no. 4:53-57 '62.

Tinnitus. S. N. Mikhailov. *Vest. otorin.* no. 4:20-37 '62.

EAR—TUMORS

Clinical histological studies of the role of ear polypi in the course of chronic suppurative otitis media. S. S. Kiskachi. *Vest. otorin.* no. 4:57-61 '62.

EAR TRAINING

Alekseev, B. K. [Harmonic solfeggio; textbook on ear training] *Garmnicheskoe sol'fedzhio; posobie po slukhovomu analizu*. Moskva, Muzgiz, 1962. 122 p.

EARTH

Neiman, V. B. [The expanding earth] *Rasshiraiushchiasya Zemlia*. Moskva, Gos. izd-vo geogr. lit-ry, 1962. 78 p.

Trends in geological processes in the history of the earth [with summary in English]. N. P. Vasil'kovskii. *Geol. i geofiz.* no. 11:41-51 '62.

EARTH—CURIOSA AND MISCELLANY

Captured planet. Zinaida Bobyr'. *Nauka i zhizn'* 20 no. 12:87-92 D '62.

EARTH—INTERNAL STRUCTURE

Earth tides and the internal constitution of the earth. N. N. Paritskii. *Izv. AN SSSR. Ser. geofiz.* no. 2:193-216 F '63.

EARTH—MAGNETISM see Magnetism, Terrestrial

EARTH—ROTATION

Effect of atmospheric fluctuations on the rotation of the earth. N. S. Sidorenkov. *Izv. AN SSSR. Ser. geofiz.* no. 2:377-380 F '63.

EARTH—SURFACE

(see also subdivision under Dnieper Valley; Kamchatka region; Kurile Islands region)

Experimental studies of physical properties of rocks subjected to high pressures and temperatures. T. S. Lebedev, D. V. Kornilets. *Geofiz. sbor.* no. 2:118-121 '62.

Modeling longitudinal waves in the upper part of the earth mantle. I. U. V. Rizinchenko, O. G. Shamina. *Izv. AN SSSR. Ser. geofiz.* no. 2:223-247 F '63.

Possibility of studying crustal structure on the basis of gravity anomalies. P. Ia. Galushko. *Geofiz. sbor.* no. 1: 56-63 '62.

Some problems of crustal dynamics in the light of the hypothesis of contraction and expansion. I. A. Balabushchev. *Geofiz. sbor.* no. 2:14-22 '62.

Study of the deep-seated structure of the earth's crust by the method of reflected waves. S. Chamo. *Razved. i prom. geofiz.* no. 46:130-138 '62.

EARTH CURRENTS

Daily distribution of pulsations of earth currents at different latitudes. F. I. Sedova. *Geofiz. sbor.* no. 2: 111-114 '62.

EARTH PRESSURE

Experimental determination of the intensity of lateral earth pressure on a pile. V. N. Morozov. *Sbor. nauch. trud. LSI* no. 37:147-153 '62.

Theoretical determination of a change in the intensity of lateral earth pressure on a pile subjected to vertical loading. V. N. Morozov. *Sbor. nauch. trud. LSI* no. 37: 139-146 '62.

EARTH TEMPERATURE

Distribution of thermoelastic stresses inside the earth and the speed of their accumulation. E. A. Lichnerova. *Izv. AN SSSR. Ser. geofiz.* no. 3:365-390 Mr '63.

EARTHMOVING MACHINERY

Basin of the choice of equipment to work carbonate rock which is nonhomogeneous in strength. V. G. Bazylov, V. N. Sizenko. *Sbor. trud. VNIImetal* no. 2:109-111 '62.

Machines for working frozen ground at the Exhibition of Achievements of the National Economy of the U.S.S.R. A. S. Selenevich. *Stroi. i dor. mash.* 9 no. 2:1-6 F '63.

EARTHMOVING MACHINERY—TESTING

Laboratory studies of the functioning of the cutting and hydraulic scraper. V. A. Zhuchenko. *Sbor. trud. VNIImetal* no. 2:37-52 '62.

EARTHQUAKES AND BUILDING

Dynamic coefficient for embedded reinforced concrete tanks in earthquake districts. A. S. Gekhtman. *Prom. stroi.* 40 [i. e. 41] no. 3:42 Mr '63.

Kellie-Borok, V. L., I. L. Nersisov, and A. M. Iaglom. [Methods of evaluating the economic effect of earthquakeproof construction] *Metodika otsenki ekonomicheskogo efekta seismostoikogo stroitel'stva*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 45 p.

Structural layouts of one-story industrial buildings for construction in regions with high seismicity. E. G. Bychatskii, V. I. Rudanov, A. M. Paramzin. *Prom. stroi.* 40 [i. e. 41] no. 4:24-29 Ap '63.

EARTHQUAKES AND BUILDING—CONGRESSES

Conference on large-panel construction in earthquake districts. I. Tarasova. *Zhli. stroi.* no. 2:32 '63.

EARTHWORK

(see also subdivision under Virgin Territory)

Degtiarev, A. P., and A. K. Rolsh. [Scraper work] *Skrepernyye raboty*. Moskva, Gosstroiizdat, 1962. 222 p.

Earth-working machinery works in three shifts. F. I. Sviridenkov. *Transp. stroi.* 13 no. 2:32-34 F '63.

Results of a study of the interaction of an impact working part when breaking down frozen and hard soils. V. P. Ponomarev. *Stroi. i dor. mash.* 9 no. 2:7-10 F '61.

EARTHWORK—COLD WEATHER CONDITIONS

Winter earth work using a solution of sodium chloride. A. N. Panteleev. *Prom. stroi.* 40 [i. e. 41] no. 3:34-36 Mr '63.

EARTHWORK—COSTS

Determining the cost of earthwork done by mechanized crews. B. K. Subbotin. *Transp. stroi.* 13 no. 2:37-39 F '63.

EARTHWORK—EQUIPMENT AND SUPPLIES

Boring and blasting in earthwork. *Stroitel'* 9 no. 3: 4-5 Mr '63.

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST EUROPEAN PLAIN—GLACIERS

Effect of glaciation on the development of the drainage network in the East European Plain. D. D. Kvasov. *Trudy Lab. ozoroved.* 15:247-266 '63.

EAST EUROPEAN PLAIN—STONE AGE

Anosovka-Mezin type paleolithic dwellings of the East European Plain. A. N. Rogachev. *Krat. soob. Inst. arkhcol.* no. 02:12-17 '62.

Main results and tasks in the study of the Paleolithic of the East European Plain. A. N. Rogachev. *Krat. soob. Inst. arkhcol.* no. 02:3-11 '62.

EAST GERMANY see Germany, East

EAST KAZAKHSTAN PROVINCE—MINING ENGINEERING

Developing the Tishinskaya deposit. K. Diansov. *Trudy Alt. GMRN AN Kazakh. SSR* 13:46-53 '62.

EAST KAZAKHSTAN PROVINCE—QUARRIES AND QUARRYING

Quarries of building materials. S. V. Pak. *Trudy Alt. GMRN AN Kazakh. SSR* 13:27-31 '62.

EASTER ISLAND—SUPERSTITION

The evil spirit comes from the left. *Nauka i rel.* 1 no. 3:78 Mr '63.

EASTERN EUROPE see Europe, Eastern

EASTERN ORTHODOX CHURCH see Orthodox Eastern Church

EASTERN SIBERIA see Siberia, Eastern

EBULLITION

Nuclear magnetic resonance spectra and ebullioscopy of lithium alcohates. I. B. Golovanov and others. Dokl. AN SSSR 149 no. 4:835-837 Ap '63.

ECHINOPINE

Alkaloids from globe thistle. A. I. Bon'kovskii, M. E. Perep'son, V. A. Shevelev. Dokl. AN SSSR 148 no. 3: 1073-1076 F '63.

ECLIPSES, SOLAR

Eclipse effect in the ozone region of the solar spectrum [with summary in English]. S. F. Rodionov, I. N. Verevkin, N. S. Shpakov. Vest. LGU 18 no. 4:67-72 '63.

ECLIPSES, SOLAR—1962

Preliminary results of radio observations of the annular eclipse of the sun. A. P. Molchanov, K. N. Tavastsherna. Vest. AN SSSR 33 no. 3:98-100 Mr '63.

ECOLOGY

Biocenosis as one of the basic concepts of ecology, its structure and volume [with summary in English]. K. V. Arnoldi, L. V. Arnoldi, Zool. zhur. 42 no. 2:161-183 '63.

ECONOMIC ASSISTANCE, AMERICAN

What dollars can and can't do; the Clay Committee recommendations. Sovremennik. Nov. vrem. 20 no. 14:4-5 Ap '63.

ECONOMIC ASSISTANCE, RUSSIAN

see subdivision under Algeria

ECONOMIC GEOLOGY

see Geology, Economic

ECONOMIC HISTORY

Brief news. Mir. ekon. i mezhdunar. otn. no. 3:118-121 '63.

"Economic history of foreign countries" by V. T. Chanturlov. Reviewed by V. Demchenko, V. Kolibanov. Ekon. Rad. Ukr. no. 1:115-116 Ja '63.

Economic situation in the capitalist countries. I. Kuz'minov. Mezhdunar. zhizn' 10 no. 4:20-30 Ap '63.

Pauperization of workers in capitalist countries. V. Alekseev. Komm. Bel. 36 no. 5:37-43 My '62.

ECONOMIC HISTORY—BIBLIOGRAPHY

see Bibliography—Economic history

ECONOMIC RESEARCH

(see also subdivision under Germany, East; Siberia)

In the Department of Economics. Vest. AN SSSR 33 no. 3:61-65 Mr '63.

Results and prospects for economic research. Vop. ekon. no. 3:141-145 Mr '63.

ECONOMIC ZONING

Telepa, L. N. [Important economic regions of the U.S.S.R.; several problems in the territorial organization of the economy] Krupnye ekonomicheskie raiony SSSR; nekotorye voprosy territorial'noi organizatsii khoziaistva. Pod red. A. G. Feigina. Moskva, Ekonomizdat, 1963. 107 p.

ECONOMICS

Bourgeois concepts of the history of economic thought. N. Karateev. Vop. ekon. no. 2:93-104 F '63.

Bregel, E. I. A. [The reproduction of gross national capital. Economic crises] Vospriizvodstvo obshchestvennogo kapitala. Ekonomicheskie krizisy. Moskva, Izd-vo IMO, 1962. 151 p. (Lektsii po politicheskoi ekonomii, no. 10)

Breusenko, D. P., V. V. Oreshkin, and N. S. Shukhov. [Methodological problems in the history of economic thought] Nekotorye voprosy metodologii istorii ekonomicheskoi mysli. Moskva, Mosk. in-t inzhenerov geodezii, aerofotozemli i kartografii, 1963. 71 p.

Chernavskii, V. O. [Studies on the problems of economic efficiency] Ocherki po voprosam ekonomicheskoi effektivnosti. Moskva, Ekonomizdat, 1963. 137 p.

"Chrestomathy in economics." "Chrestomathy in economics; socialist method of production." Reviewed by I. I. Kozodoev. Vest. vys. shkoly 21 no. 4:89-91 Ap '63.

[The economics of socialism] Politicheskaya ekonomiya sotsializma. Izd. 2., perer. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 614 p.

Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiinaya shkola. Kafedra politicheskoi ekonomii. [Program on economics for seminars of the party educational system as well as for those who study economics independently] Programma z osnov politicheskoi ekonomii dlia seminarov i dlia samostoiel'nykh uchibatel'skikh politicheskoi ekonomii. Kyiv, Derzhpolitytydav URSR, 1962. 61 p.

Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiinaya shkola. Kafedra politicheskoi ekonomii. [Program on economics for the principles of Marxism-Leninism faculties of evening universities of Marxism-Leninism] Programma po politicheskoi ekonomii dlia vechernikh universitetov marksizma-leninizma; fakul'tet osnov marksizma-leninizma. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 27 p.

Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiinaya shkola. Kafedra sovetskoi ekonomiki. [Program on applied economics for evening universities of Marxism-Leninism (not for economic faculties)] Programy z konkretnoi ekonomiki dlia vechernikh universitetov marksizma-leninizma (neekonomicheskie fakul'tety. Kyiv, Derzhpolitytydav URSR, 1962. 45 p.

[Program on the principles of economics for study groups of the party educational system] Programma z osnov politicheskoi ekonomii dlia hurtkiy systemy partiinot osvity. Kyiv, Derzhpolitytydav URSR, 1962. 29 p.

Some problems relating to the law of the planned development of the national economy [with summary in English]. O. I. Khvingina. Vest. LGU 18 no. 5:5-12 '63.

Suslov, I. P. [Methodology for economic analysis in V. I. Lenin's work] Metodologiya ekonomicheskogo analiza v trudakh V. I. Lenina. [Leningrad] Izd-vo Lening. univ., 1962. 236 p.

ECONOMICS—BIBLIOGRAPHY

see Bibliography—Economics

ECONOMICS—PERIODICALS

see subdivision under Hungary

ECONOMICS—STUDY AND TEACHING

How the members of the Communist Youth League should be taught economics. A. Bondarenko. Komsom. zhizn' no. 5:14-19 Mr '63.

ECONOMICS, MATHEMATICAL

Terekhov, L. L. [Application of mathematical methods in economics] Primenenie matematicheskikh metodov v ekonomike. Moskva, Gosstatizdat, 1962. 69 p.

ECONOMICS, PRIMITIVE

The origin of social production. D. V. Gur'ev. Nauch. dokl. vys. shkoly; filoz. nauk 6 no. 1:99-97 '63.

ECUADOR—JAGUARS

Jaguar. Rolf Blomberg. Vokrug sveta no. 2:32 F '63.

ECUMENICAL MOVEMENT

Ecumenical divine service in the Moscow parish of Evangelical Christians and Baptists. V. Trubina. Brat. vest. no. 5/6:12-16 '62.

EDITING

Pochechuev, A. N. [The technique of editing; the editorial preparation of technical books for publication] Tekhnika redaktsionnoi i redaktorskoj podgotovki tekhnicheskoi knigi k izdaniyu. Moskva, Izd-vo "Iskusstvo," 1962. 276 p.

EDUCATION

(see also subdivision under Adye Autonomous Province; Africa; Azerbaijan; Europe, Western; European Economic Community Countries; Kabardino-Balkar A. S. S. R.; Siberia; White Russia)

"Cultural and educational development of the R. S. F. S. R., 1921-1925" by T. A. Remizova. Reviewed by K. I. Sedov. Vop. ist. 38 no. 3:128-130 Mr '63.

For the new concept in general education. Bogdan Suchodolski. Sov. pedagog. 27 no. 2:132-135 F '63.

Information on school problems. T. N. Mat. i soob. issl. old. inst. po izuch. SSSR no. 4:55-58 D '62.

P. F. Kaptelev on the contents of general education. Z. M. Tambeeva. Dokl. APN 6 no. 6:67-70 '62.

"Schools with longer hours" by B. S. Kobzar'. Reviewed by D. I. Volzinskii and others. Rad. shk. 41 no. 2: 111 F '63.

Students' university of culture. A. Vlasik. Sov. pedagog. 27 no. 3:156-158 Mr '63.

Thirteenth central "Pedagogical lectures" of the R. S. F. S. R., A. Orlov. Sov. pedagog. 27 no. 3:154-156 Mr '63.

EDUCATION—BIBLIOGRAPHY

see Bibliography—Education

EDUCATION—CONGRESSES

All-Russian Conference on Didactics. G. Verob'ev. Sov. pedagog. 27 no. 2:149-153 F '63.

EDUCATION—PERIODICALS

In the Presidium of the Academy of Pedagogical Sciences of the R. S. S. R., Sov. pedagog. 27 no. 2:147-149 F '63.

EDUCATION, COOPERATIVE

Aksenov, D. E., comp. [Labor education; chrestomathy] O trudovom vospitanii; khrestomatia. Moskva, Uchpedgiz, 1962. 410 p.

Combining general, technical and vocational education in secondary schools. M. M. Skatkin. Rad. shk. 41 no. 1: 30-35 Ja '63.

Cooperation between school and industry. V. Beliaev. Shkola i proizvod. 6 no. 12:73-74 D '62.

Factory and school. L. Birg. Shkola i proizvod. 6 no. 12: 71 D '62.

In the school workshop. I. Iazykov. Shkola i proizvod. 6 no. 12:76 D '62.

Let's find creative solutions to the problems of industrial training. Shkola i proizvod. 6 no. 11:3-6 N '62.

Production training of students at a plant. M. Kazanisev. Shkola i proizvod. 6 no. 12:72 D '62.

Stimulating the contact between instruction and production during questioning and the solution of problems. I. I. Averbukh. Dokl. APN 6 no. 8:15-18 '62.

Subject plan of "Pedagogical lectures" in 1963. Shkola i proizvod. 6 no. 12:77-80 D '62.

Tasks of educational work in the grades 9-11. V. I. Pomahuba. Rad. shk. 41 no. 1:35-39 Ja '63.

Two stages of industrial training. R. A. Medvedev. Shkola i proizvod. 6 no. 11:7-12 N '62.

Ways to improve the quality of students' knowledge. V. S. Il'in, Z. P. Molova, I. P. Popov. Sov. pedagog. 27 no. 3:19-26 Mr '63.

Work and production training form the new man. V. Morokhov. Shkola i proizvod. 6 no. 12:74 D '62.

EDUCATION, ELEMENTARY

(see also subdivision under Cherkassy Province; Khmel'nitskiy Province)

For the further improvement of work in grades 1-4. V. I. Chepelev. Rad. shk. 41 no. 2:47-53 F '63.

Instruction and development as a pedagogical problem. L. V. Zankov. Rad. shk. 41 no. 2:43-47 F '63.

EDUCATION, ELEMENTARY—AUDIO-VISUAL AIDS

Technical teaching aids in elementary schools. L. V. Chashko. Rad. shk. 41 no. 2:61-66 F '63.

EDUCATION, HIGHER

(see also subdivision under Ukraine)

[Bulletin of the Ministry of Higher and Secondary Specialized Education of the U. S. S. R.] Blul. Min. vys. i sred. spets. obr. SSSR no. 3 Mr '63.

Facts and figures. Vest. vys. shkoly 21 no. 4:85 Ap '63.

Soviet institutions of higher learning and the International Conference on the Problems of Higher Education. N. K. Novik-Dekor. Mat. i soob. issl. old. inst. po izuch. SSSR no. 4:3-15 D '62.

Together with all people and in close contact with life. V. N. Stolatov. Vest. vys. shkoly 21 no. 4:3-14 Ap '63.

EDUCATION, PRESCHOOL

(see also subdivision under Ukraine)

Acquainting children with sounds and letters. O. Le-shchenko. Doshk. vykh. 24 no. 2:4-8 F '63.

Continuity in the work of joint preschool institutions. V. Plakunova. Doshk. vykh. 24 no. 2:23-27 F '63.

Continuity in working with children. IE. Marchenko, R. Solodko. Doshk. vykh. 24 no. 2:27-31 F '63.

Development of phonemic hearing in teaching children to read and write. IE. Zvolyn's'ka. Doshk. vykh. 24 no. 2:31-34 F '63.

Forming space concepts in connection with the preparation for the study of writing. N. Iarysheva. Doshk. vykh. 24 no. 2:8-14 F '63.

EDUCATION, PRESCHOOL—BIBLIOGRAPHY

see Bibliography—Education, Preschool

EDUCATION, PRESCHOOL—CONGRESSES

Conference on the education of children in combined preschool institutions. Sov. pedagog. 27 no. 2:157-159 F '63.

Conference on vital problems of preschool education. V. Kondratyuk. Doshk. vykh. 24 no. 2:46-47 F '63.

EDUCATION, SECONDARY—CURRICULA

More on specialized training in the senior grades of general schools. N. K. Goncharov. Sov. pedagog. 27 no. 2: 39-50 F '63.

EDUCATION OF CHILDREN

(see also subdivision under Archangel)

Educate for happiness. N. Bryzgova. Klub 11 no. 3: 18-19 Mr '62.

Matter of our honor and conscience. M. Gogoleva. Sem'ia i shkola 18 no. 3:1 Mr '63.

Pedagogics of "tomorrow's joy." A. Levshina. Sem'ia i shkola 18 no. 3:2-5 Mr '63.

Schools with longer hours. Eduard Kostinashkin. Sov. Soluz. no. 2:18-21 '63.

Tomorrow they go to the plant. P. Manukian. Klub 11 no. 3:23 Mr '62.

We are not living for small stakes (to be continued). V. Mulov, L. Balashkova. Komsom. zhizn' no. 5:24-26 Mr '63.

EDUCATION OF WOMEN

see subdivision under Africa

EDUCATIONAL LAW AND LEGISLATION

Answering our readers' questions. Sov. just. no. 4:29-30 F '63.

EDUCATIONAL PSYCHOLOGY

Analysis of practical assignments in physics fulfilled by evening (staggered) school students under production conditions. M. P. Popov, S. I. Shapiro. Sov. pedagog. 27 no. 3:40-54 Mr '63.

Forming the communist aspirations of students. N. G. Ogurtsov. Sov. pedagog. 27 no. 3:79-87 Mr '63.

Teaching and the mental development of students. H. S. Kostluk. Rad. shk. 41 no. 2:17-25 F '63.

EDUCATIONAL PSYCHOLOGY—CONGRESSES

Republic-wide conference on the problems and methods of educational psychology. V. Andriyeva'ka. Rad. shk. 41 no. 1:106-107 Ja '63.

- EFFECT OF TEMPERATURE ON METALS** see Metals, Effect of temperature on
- EFFICIENCY, INDUSTRIAL**
(see also subdivision under Lugansk Province; Ukraine; White Russia; Yeltsin)
Active mechanizer. K. K. Glinakii. Put' i put. khoz. 7 no. 4:13 '63.
Communist prosperity will be achieved by our industrious work. Kom. Bel. 36 no. 5:2-7 My '62.
For the full-time exploitation of industrial machinery. Kom. zhitn' no. 13:2-4 JI '62.
General features of a communist attitude toward work and the ways of its development; some results of a theoretical conference in Krasnoyarsk. A. M. Gendin. Nauch. dokl. vys. shkoly, filoz. nauki 6 no. 1:151-159 '63.
[How we carry out the resolutions of the party congress] Kak my vypolniaem resheniia partinogo s'ezda. [Moskva] Mosk. rabochii, 1962. 110 p.
Kudriavtsev, S. I. [The value of a minute] TSina khvyliny. Kyiv, Vyd-vo TsK LKSMU "Molod", 1962. 41 p.
Their path toward industrial efficiency. A. Mikhailov. Kom. zhitn' no. 13:6-7 JI '62.
They won the title, and now? Boris Anashenkov. Smena 40 no. 3:8-10 F '63.
Toward a new year, toward new achievements. Put' i put. khoz. 7 no. 1:1 '63.
- EIFFEL, GUSTAVE, 1832-1923**
The Eiffel Tower. Igor' Mozhetko. Vokrug sveta no. 2:58-59 F '63.
- EIGENFUNCTIONS**
Expansion in eigenfunctions of a nonself-adjoint differential operator with spectral singularities. V. E. Liantse. Dokl. AN SSSR 149 no. 2:256-259 Mr '63.
- EINSTEIN, ALBERT, 1879-1955**
"Einstein" by B. G. Kuznetsov. Reviewed by V. Orlov. Nauka i zhizn' 29 no. 12:80 '62.
- EKIBASTUZ—COMMUNIST YOUTH LEAGUE**
A group of knowledge hunters. G. Gusev. Kom. zhitn' no. 3:28-30 F '63.
- ELASTIC PLATES AND SHELLS**
Akademii stroitel'stva i arkhitektury SSSR, Institut stroitel'nykh konstruktii. [Studies of the design of shells of rod and solid elements] Issledovaniia po raschetu obolochek sterzhevykh i massivnykh konstruktii. Pod red. A. R. Rhanitayna. Moskva, Gosstrolizdat, 1963. 312 p.
All-Union Conference on the Theory of Shells and Plates in Erivan. S. M. Darharian. Prikl. mekh. 9 no. 2:226-230 '63.
Calculations for cylindrical shells reinforced with elastic arches. M. V. Shelnberg. Izv. vys. ucheb. zav. i shk. i arkh. 6 no. 1:18-29 '63.
Equilibrium of closed cylindrical shells under the action of concentrated forces. A. F. Shestopal. Ukr. mat. zhur. 15 no. 1:106-114 '63.
Equilibrium of zero-torque shells of rotation under conditions of nonlinear creep of the material [with summary in English]. P. M. Kirakosian. Prikl. mekh. 9 no. 2:126-132 '63.
Flexure of a two-layer thick circular plate by an axially symmetric load. A. A. Babolian, V. S. Tonotian. Izv. AN Arm. SSR. Ser. fiz. i mat. nauk 16 no. 1:13-32 '63.
Problems in the dynamics of plates in the presence of aftereffect and relaxation [with summary in English]. L. P. Koroshun. Prikl. mekh. 9 no. 2:143-150 '63.
Stability of a compressed plate taking angles of revolution into account. I. D. Legenia. Dokl. AN SSSR 149 no. 4:802-805 Ap '63.
Stress concentration in an annular plate in the postcritical state [with summary in English]. I. A. F. Kaik. Prikl. mekh. 9 no. 2:174-182 '63.
Stressed state of shallow spherical shells with circular holes. V. M. Buivol. Prikl. mekh. 9 no. 2:212-216 '63.
Transcritical deformations of shells of limited elasticity. A. V. Pogorelov. Dokl. AN SSSR 149 no. 4:806-807 Ap '63.
- ELASTIC PLATES AND SHELLS—VIBRATION**
Minor vibrations of a circular cylindrical shell immersed in a closed cavity filled with a compressible liquid [with summary in English]. E. N. Mnev. Prikl. mekh. 9 no. 2:133-142 '63.
Natural vibrations of closed cylindrical shells under variable boundary conditions. V. S. Hontkevych. Prikl. mekh. 9 no. 2:216-220 '63.
Taking into consideration the rheological properties of the material in the problem of the vibrations of a slab supported by an elastic viscous foundation [with summary in English]. Z. A. Krytsuk. Prikl. mekh. 9 no. 2:151-156 '63.
- ELASTIC WAVES**
Propagation velocity of elastic waves in reservoir fluids. G. I. Petkevich, T. Z. Verbitskii, I. A. E. Riznik. Geofiz. sbor. no. 1:79-84 '62.
Similitude theory of elastic wave phenomena. E. M. Averkova, V. P. Telezhenko. Geol. i geofiz. no. 11:124-125 '62.
- ELASTICITY**
Application of Lagrange's method to the dynamics of a viscoelastic thread (rope) of variable length with a load at one end. I. U. S. Postol'nik. Izv. vys. ucheb. zav. i shk. no. 2:94-100 '63.
Belomoso, S. M. [Principal plane static problems in the theory of elasticity for simply and doubly connected regions] Osnovnye ploskie staticheskie zadachi teorii uprugosti dlia odnovidnykh i dvuvyaznykh oblastei. Novosibirsk, Izd-vo Sibirskogo otd-nila AN SSSR, 1962. 231 p.
Boundary value problems in the axisymmetrical theory of elasticity. Method of p-analytical functions of complex variables [with summary in English]. G. N. Polozhii. Ukr. mat. zhur. 15 no. 1:25-45 '63.
Dynamic elasticity moduli, rotation of the polarization plane of elastic waves, and coupled longitudinal-transverse waves in magnetically polarized metals [with summary in English]. K. B. Vlasov, B. N. Filippov. Zhur. eksp. i teor. fiz. 44 no. 3:922-933 Mr '63.
Method of functional-invariant solutions for problems of the dynamic theory of elasticity of anisotropic media. I. O. Osipov. Izv. AN SSSR. Ser. geofiz. no. 3:391-396 Mr '63.
Plane problem of thermoelasticity for a body possessing thermal and elastic cylindrical anisotropy. A. I. Uzdaliev. Izv. vys. ucheb. zav. i shk. i arkh. 6 no. 1:30-35 '63.
Thermodynamics of highly elastic deformation. T. N. Khazanovich. Uch. zap. Mosk. gor. ped. inst. 86:193-204 '60.
Torsion of a round shaft provided with a longitudinal semicircular groove and weakened by a longitudinal circular cavity. L. V. Mikhailov. Izv. AN Arm. SSR. Ser. fiz. i mat. nauk 16 no. 1:33-43 '63.
Torsion of a shaft of rectangular cross section weakened by two like longitudinal circular cavities. L. V. Mikhailov. Izv. AN Arm. SSR. Ser. fiz. i mat. nauk 16 no. 1:45-53 '63.
- ELBRUS, MOUNT—CLIMATE**
Climate data on the high-altitude belts in the southern slope of Mount Elbrus. G. D. Matukhin. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 5:130-194 '60.
- ELBRUS, MOUNT—GEOMORPHOLOGY**
Characteristics of the geomorphology of the northern and western slopes of Mount Elbrus. N. G. Patyk-Kara. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 5:59-86 '60.
- ELBRUS, MOUNT—GLACIERS**
Processes of filling crevasses with the ice flow. I. U. V. Semikhin, S. F. Starkovich. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 5:87-98 '60.
Temperature measurements of the upper three-meter layer of glaciers on the southern slope of Mount Elbrus. M. A. Piaz. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 5:99-108 '60.
- ELBRUS, MOUNT—ICE**
Ice depth of Mount Elbrus. G. K. Tushinskii. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 5:8-9 '60.
Preliminary results of the determination of the ice depth of Mount Elbrus using the seismic method. L. I. Bokanenko, V. S. Isaev. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 5:10-58 '60.
- ELBRUS, MOUNT—THAWING**
Calculating the thawing of the snow cover. L. S. Chotormashvili. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 5:120-124 '60.
- ELECTION LAW**
Belenchuk, I. A. [Democratization of the Soviet electoral system] Demokraticizm radiatsionoi vyborchoi sistemy. Kyiv, Vyd-vo Akad. nauk URSS, 1963. 42 p.
- ELECTIONS**
(see also subdivision under Uzbekistan)
Elections to the supreme organs of state rule. Sov. iust. no. 4:1-3 F '63.
Towards the elections to the soviets. Kul't. -pros. rab. 24 no. 1:10 Ja '63.
Zhilin, P. I. [Reaching every heart; from the practice in political work in an electoral district] K kazhdomu sardaru; iz opyta politicheskoi raboty na izbratel'nom uchastke. Moskva, Sovetskaiia Rossiia, 1963. 110 p.
- ELECTIONS—CORRUPT PRACTICES**
Krutogolov, M. A. [Antidemocratic nature of bourgeois elections] Antidemokraticheskaia sushchnost' burzhuaznykh vyborov. Moskva, Gosturizdat, 1963. 78 p.
- ELECTRETS**
Electrets made with glass. E. I. Mednikova, E. T. Sharnopol'skaia. Stek. i ker. 20 no. 4:11-13 Ap '63.
- ELECTRIC APPARATUS AND APPLIANCES**
"Live" Christmas tree. V. Averkova. Shkola i prosv. 8 no. 12:68-70 D '62.
- ELECTRIC ARC**
Broadening of the 4882, 8 Å line of sodium in a brush type d-c arc. L. I. Grechikhin. Opt. i spekt. 13 no. 4:578-579 O '62.
Dependence of the effective ionization potential on the concentration of readily ionizable impurities in an arc discharge. O. P. Semenova, M. A. Levchenko. Opt. i spekt. 13 no. 4:610-612 O '62.
Studying a d-c arc at different argon and air pressures. R. R. Shvangiradze, K. A. Oganezov, B. Ia. Chikhladze. Opt. i spekt. 13 no. 4:613-615 O '62.
- ELECTRIC BATTERIES**
Behavior of the aluminum anode in galvanic cells with an alkaline electrolyte. A. V. Kuz'mina, L. I. Kuz'mina. Zhur. prikl. khim. 36 no. 2:356-362 F '63.
Clamp for PMTs-0, 25 batteries. A. Karabchevskii. Radio no. 4:64 Ap '63.
Electromotive force of galvanic cells with ion exchange membranes [with summary in English]. O. K. Stefanova and others. Vest. LGU 18 no. 4:93-98 '63.
- ELECTRIC CABLES**
Arkhangel'skii, G. A., K. G. Levinov, and V. A. Alyshev. [Retention of pressure in telecommunication cables] Soderzhanie tabelei svyazi pod davleniem. Moskva, Svyaz'izdat, 1962. 93 p. (Lektii po tekhnike svyazi)
New communications cables with plastic insulation. K. G. Mel'nikov. Transp. stroit. 13 no. 2:53 F '63.
- ELECTRIC CABLES—MEASUREMENT**
Determination of the distance to the spot of damaged insulation of a cable. B. Z. Tomchik. Vest. svyazi 23 no. 3:14-15 Mr '63.
- ELECTRIC CAPACITANCE—MEASUREMENT**
Burdin, V. F. [Device for measuring step-wise changes in capacitance. Four-channel commutator with an electronic oscillograph] Izmeritel' skachkodoraznykh izmenenii emkosti. Chetyrekhkanal'nyi kommutator k elektronnyim ostillografam. [By] V. V. Rudakov i G. I. Novikova. Moskva, Filial Vses. in-la nauchn. i tekhn. informatsii, 1956. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36, No. P-58-78/13)
- ELECTRIC CIRCUITS**
Efficient diagrams of electric blasting circuits. P. V. Belov, A. P. Katsashnikov, D. S. Kutuzov. Bzop. truda v prom. 7 no. 3:26-27 Mr '63.
- ELECTRIC COILS—WELDING**
Automatic machines for the welding of ignition coils. N. M. Chelnikov. Svar. proizv. no. 3:42-43 Mr '63.
- ELECTRIC CONDUCTIVITY**
Grigor'ev, I. G., and V. V. Zulin. [Electrical conductivity as a means for analyzing gaseous and liquid systems] Elektroprovodnost' kak metod analiza gazovykh i zhidkikh sistem. [Kulyshev] Kulyshevskoe knizhnoe izd-vo, 1961. 21 p.
"The theory of impurity conduction" [translated from the English]. N. F. Mott, W. D. Twose. Usp. fiz. nauk 79 no. 4:691-740 Ap '63.
- ELECTRIC CONTACTORS**
Merl, Wilhelm. [Theory and practical applications of electrical contacts. Translated from the German] Elektricheski kontakt; teoriia i primeneniia na praktike. Pod red. I. E. Dekabrna. Moskva, Gosenergoizdat, 1962. 70 p. (Biblioteka po avtomatike, no. 51)
- ELECTRIC CONTROLLERS**
Baranchuk, E. I. [Design and adjustment of electronic controllers] Proektirovaniie i nastroika elektronnykh regulatorov. Moskva, Mashgiz, 1963. 370 p.
Device for automatic control of cupola-furnace output depending on the agglomeration in the forehearth. V. T. Antonenko. Avtom. i prib. no. 1:86-87 Ja-Mr '63.
- ELECTRIC CRANES**
Russia (1923- U. S. S. R.) Ministerstvo putei soobshcheniia. [Instructions for electric crane operators] Instruktsiia dlia kranovshchikov elektricheskikh kranov (mostovykh, kozlovnykh, bashennykh, peregruzochnykh mostov); obiazatel'na dlia predpriatii i uchrezhdenii podkontrol'nykh inspektarii kottonadzora Ministerstva putei soobshcheniia. Moskva, Transzheldorizdat, 1961. 28 p.
- ELECTRIC CURRENT RECTIFIERS**
Choice of rectifiers for use in frequency converters. N. V. Soloznev. Avtom. telem. i svyaz' 7 no. 2:13-17 F '63.
Molskus, I. B. [System for determining the characteristics of an electric arc and measuring the parameters of compressed air in the arc-quenching chambers of air switches. Stand for studying voltage distribution in the gaps of an arc-type rectifier] Ustanovka dlia opredeleniia elektricheskikh kharakteristik dugi i izmereniia parametrov poloka szhatogo vozdukhav gasil'nykh kamorakh vozdukhnykh vyklyuchateliei. Stand dlia issledovaniia raspredeleniia napriazheniia mezhdu promezhutkami dugovogo vontilla. [By] A. B. Fliarets. Moskva, Filial Vses. in-la nauchn. i tekhn. informatsii, 1957. 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35, No. P-57-31/3)

ELECTRIC CURRENT RECTIFIERS (Continued)

A regulated electric current rectifier. V. Protsiuk. Radio no. 12:24 D '62.
Stabilization of a transistorized electric current rectifier. P. M. Paznikov, L. V. Grandski. Vest. svyazi 23 no. 1: 17-18 Ja '63.

ELECTRIC CURRENTS—GROUNDING

Concerning the repudiation of the necessity to install artificial grounding systems in hydroelectric power stations. N. A. Korzh. Energetik 10 no. 6:25-27 Je '62.

ELECTRIC CUTOOTS

Drive mechanism of a line disconnector with a wooden drawbar. V. N. Mitinskii. Energetik 10 no. 6:22 Je '62.

High-voltage equipment manufactured by the "Elektroapparat" Factory. Energetik 10 no. 6:39-40 Je '62.

Novikov, O. A. [Improvement of high-voltage switches and their drive mechanisms] Modernizatsia vysokovolt'nykh vykluchatelei i privodov k nim. [Kulbyshev] Kulbyshevskoe knizhnoe izd-vo, 1962. 70 p.

ELECTRIC CUTOOTS—TESTING

Decrees of the Presidium of the Central Committee of the Trade Union of the Workers of Electric Power Plants and the Electric Industry; proceedings no. 10 January 16, 1963. V. Andreev, P. Ustinov, N. Simochatov. Energetik 11 no. 4:40 Ap '63.

ELECTRIC DISCHARGES

Development of an electric discharge in aqueous electrolytes. N. P. Mel'nikov, G. A. Ostromov, M. I. Ustovsk. Dokl. AN SSSR 148 no. 5:1057-1059 F '63.

Method for decreasing the low voltage limit of tubular fiber-bakelite 35-110 kv. dischargers. A. I. A. Lepilin. Energetik 11 no. 4:27-28 Ap '63.

ELECTRIC DRIVING

Aranovich, B. I. [Contactless electromagnetic relay devices for regulating and automating industrial drives] Beskontaktnye elektromagnitnye releinye ustroystva dlia upravleniya i avtomatizatsii promyshlennykh privodov. Leningrad, 1962. 20 p.
[Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovymi opytom. Seriya: Pribory i elementy avtomatiki, no. 12]

Khalizov, G. P. [Electric drive and its control principles] Elektropriivod i osnovy upravleniya. Moskva, Gosenergoizdat, 1962. 383 p.

Makstomov, A. E. [Principles of electric drives] Osnovy elektropriivoda. Leningrad, Leningr. Gornyi in-t im. G. V. Plekhanova.

Pt. I. [Mechanical characteristics of d.c. machines] Mekhanicheskie svoystva mashin postoiannogo toka; konpekt lektsii dlia studentov elektromekhanicheskoi spetsial'nosti gornykh VUZ'ov, 1962. 173 p.
[Diagrams and tables] Risunki i tablitsy, 73 p.

ELECTRIC ENGINEERING

Atabekov, G. I., ed. [Theoretical principles of electrical engineering in three parts] Teoreticheskie osnovy elektrotekhniki v trekh chastiakh. Moskva, Gosenergoizdat.

Pt. 2. Atabekov, G. I., A. B. Timofeev, and S. S. Khukhrinov. [Nonlinear networks] Nelineinye seti. 1962. 127 p.

[Problems in theoretical electromechanical engineering] Sbornik zadach po teoreticheskoj elektromekhanike. [By] V. I. Konstantinov i dr. Izd. 3., dop. Moskva, Gosenergoizdat, 1962. 101 p.

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

ELECTRIC ENGINEERING—HANDBOOKS, MANUALS, ETC.

[Handbook for rural electricians] Spravochnik sel'skogo elektromontera. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1962. 151 p.

ELECTRIC ENGINEERING—MATERIALS

Korinek, I. V. [Electrical engineering material] Elektrotekhnicheskie materialy. Moskva, Gosenergoizdat, 1962. 368 p.

ELECTRIC EQUIPMENT INDUSTRY see subdivision under Leningrad

ELECTRIC FIELDS

Effect of an electric field on the γ -luminescence of ZnS single crystals. B. T. Fedushin. Opt. i spekt. 13 no. 4:558-563 O '62.

Effect of low-frequency electric fields on the hardening process of mineral binding substances. I. V. Verashin. Izv. vys. ucheb. zav. i stroit. i arkhit. 6 no. 1:36-42 '63.

Experimental study of the energy spectra of electrons emitted by a yttrium oxide cathode in strong electrical fields. V. N. Litakii, M. I. Elinson. Radiotekh. i elektron. 8 no. 3:457-470 Mr '63.

ELECTRIC FILTERS

Design of a transistor smoothing filter. V. I. Shil'man. Radiotekhnika 18 no. 3:72-80 Mr '63.

Solomonov, V. G. [Device for synthesizing characteristics] (magazine with various characteristics) Ustroystvo dlia sinteza kharakteristik (magazin kharakteristik). Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 34 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36, No. P-58-9/4)

ELECTRIC FISHING

Electric unit for netless catching of fish. S. K. Mel'nikov. Shor. izobr. v ryb. prom. za 1959 g. 42-44.
Unit for electric fishing. V. A. Shentakov, V. A. Strelkov, L. M. Nusenbaum. Shor. izobr. v ryb. prom. za 1959 g. 44-46.

ELECTRIC FREQUENCY METERS see Frequency measurements

ELECTRIC FURNACES

Deretskii, I. I. A. [Automatic control of electric resistance furnaces in a direct heating system] Avtomaticheskoe regulirovanie elektricheskikh pechei soprotivleniya priamogo nagreva. Moskva, Metallurgizdat, 1963. 125 p.

Manvell, M. G., and others. [Glass manufacture in electric furnaces] Elektrosvarka stekla. Erevan, Armanak gos. izd-vo, 1962. 221 p.

Mikul'skii, A. S. [Vacuum electric furnaces for the production of alkali metals and alkaline earth metals] Vakuurnye elektricheskie pechi dlia polucheniia shchelochnykh i shchelochnozemel'nykh metallov. Moskva, Gosenergoizdat, 1962. 96 p. (Biblioteka elektrotekhniki, no. 14)

Muffle furnace. V. I. Dvishkov. Shkola i proizvod. 6 no. 11:82-84 N '62.

New types of reduction furnaces for the production of hard alloys [with summary in English]. V. N. Mel'nikov. Porosh. met. 3 no. 1:93-103 Ja-F '63.

Pallayn, V. A., and others. [High-temperature double-chamber electric furnace for heating stamping billets] Vysokotemperaturnaya dvukhamernaya elektricheskaya pech' dlia nagreva zagotovok pod shtamponovku. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-206/12)

Programmed control of laboratory furnaces. A. A. Shapiro. Metalloved. i term. obr. met. no. 3:51-53 Mr '63.

Reduction furnace. S. I. Doroviykov, O. A. Horashchenko, V. H. Fedorov. Zbir. prats' Inst. tepl. AN URSR no. 24: 126-132 '62.

Redesign of electric holding furnaces for the annealing of malleable cast iron. I. I. Khoshchev and others. Lit. proizvod. no. 5:12-14 My '62.

Roller OKB-885 electric furnace for the secondary annealing of transformer steel. V. I. Filippov. Metalloved. i term. obr. met. no. 3:40-51 Mr '63.

ELECTRIC FURNACES—DESIGN AND CONSTRUCTION

Adopting the vacuum induction furnace OKB-571-B. N. A. Tulin and others. Metallurg 0 no. 4:24-26 Ap '63.

ELECTRIC GENERATORS

Device for the proportional load distribution between generators operating in parallel and frequency holding. G. M. Lachkov, M. Z. Andrienko. [Bul. tekhn.-ekon. inform. Tekh. upr. Mln. mor. flota 7 no. 5:57-67 '62.

ELECTRIC HEATING

Electric heating of heat-resistant concrete. A. E. Fedorov, P. A. Mikhailchuk, S. I. Gorbis. Prom. stroit. 40 [i.e. 41] no. 4:38-40 Ap '63.

ELECTRIC INDUSTRY WORKERS

Promote the movement for communist labor more actively. A. E. Surgeev. Energetik 11 no. 4:36-38 Ap '63.

ELECTRIC INDUSTRY WORKERS—EDUCATION AND TRAINING

(see also subdivision under Kharkov; Moscow)
Production training in combined occupations. V. N. Sherenkov. Shkola i proizvod. 6 no. 12:18-23 D '62.
Training of students for the electric and radio engineering occupations. V. N. Romanovskii. Shkola i proizvod. 6 no. 12:15-18 D '62.

ELECTRIC INDUSTRY WORKERS—REWARDS, PRIZES, ETC.

Awarding of the participants of the Exhibition of Achievements of the National Economy of the U.S.S.R. M. A. Borisov. Elek. sta. 34 no. 3:95 Mr '63.

ELECTRIC INSTRUMENTS—TESTING

Shleinberg, A. I. [UPE-1 unit] Ustanovka UPE-1. Moskva, Filial Vses. in-ta nauchno-tekhn. informatsii, 1958. 8 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-58-84/10)

ELECTRIC INSULATORS AND INSULATION

Destructive voltage of ceramic partition insulators at high and ultra-high frequencies. I. P. Bogoroditskii, I. M. Volkobinskii, K. E. Medvedev. Izv. vys. ucheb. zav. i radiotekh. 6 no. 1:45-51 Ja-F '63.

New communications cables with plastic insulation. N. G. Mel'nikov. Transp. stroit. 13 no. 2:53 F '63.

Operation of overhead power transmission lines in districts with air pollution. M. M. Ellis. Energetik 10 no. 6:32-33 Je '62.

ELECTRIC INSULATORS AND INSULATION—TESTING

Stationary system for testing insulation in an electric power plant. G. A. Voisang. Energetik 10 no. 6:23 Je '62.

ELECTRIC LAMPS

(see also subdivision under Czechoslovakia; Moscow)
On the ideal thermal source of light. M. V. Fok. Opt. i spekt. 13 no. 4:612-613 O '62.

ELECTRIC LAMPS, PORTABLE

PH-80-V blastproof portable hand lamp. Shkhit. stroit. 7 no. 4:4 of cover Ap '63.

ST-8 battery lamp for technical servicing. Shkhit. stroit. 7 no. 2:3 of cover F '63.

"Ukraine" SGU2 battery head lamp. Shkhit. stroit. 7 no. 2:3 of cover F '63.

ELECTRIC LIGHT CARBONS

Projection carbons (with summary in English on p. 96). T. V. Derbisher. Tekh. kino i telev. 7 no. 3:76-79 Mr '63.

ELECTRIC LIGHT FIXTURES

Damekii, A. I. [Electric light fixtures for dwellings and public buildings constructed on a mass-construction basis] Svetil'niki dlia zhilykh i obshchestvennykh zdani masovogo stroitel'stva. Moskva, Gosstroizdat, 1962. 125 p.

ELECTRIC LIGHTING

Automatic device for lighting staircases. V. Litvak, N. Baranov. Stroit. i arkhit. 11 no. 2:38-39 F '63.
Modern lighting for apartments. A. Evlanov, N. Ivanova. Zhil. -kom. khoz. 13 no. 2:24b-25 '63.

ELECTRIC LIGHTING, FLUORESCENT see Fluorescent lighting

ELECTRIC LINES see subdivision under Ukraine

ELECTRIC LINES—OVERHEAD

Boshniakov, A. D. [Mechanical calculation of lines and wires for overhead power transmission lines] Mekhanicheskiy raschet provodov i trosov lini elektropredachi. Moskva, Gosenergoizdat, 1962. 253 p.

Design of the anchoring of suspension insulator chains with consideration of the lashing of wires. I. U. D. Grigor'ev, A. V. Sniko. Elek. sta. 34 no. 3:84-86 Mr '63.

Drive mechanism of a line disconnector with a wooden drawbar. V. N. Mitinskii. Energetik 10 no. 6:22 Je '62.

International Conference on Large Electric Systems, 18th, Paris, 1960. [High voltage power transmission lines; translation of the reports of the International Conference on Large Electric Systems (CIGRE), 1960] Lkni elektropredachi vysokogo napriazheniya; perevody dokladov Mezhdunarodnoi konferentsii po elektricheskim sistemam (CIGRE) 1960 g. Pod red. V. V. Durgsdorfa. Moskva, Gosenergoizdat, 1962. 319 p.

Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut elektromekhaniki. [Climatic data for the calculation of high-voltage power transmission lines] Raschetnye klimaticheskie uslovia dlia vysokovolt'nykh lini elektropredachi. Moskva, Gos. energ. izd-vo. Vol. 2. [Wind force on overhead lines in the U.S.S.R.] Vetrovyye nagruzki vozdukhnykh lini elektropredachi v SSSR. 1962. 168 p. (Iz. Trudy, no. 14)

Mounting of power transmission lines with different carrying capacity (exceeding 1 kv.) on common poles. A. I. Lepilin. Energetik 11 no. 4:27 Ap '63.

Operation of overhead power transmission lines in districts with air pollution. M. M. Ellis. Energetik 10 no. 6:32-33 Je '62.

Prevention of damages caused by the landing of large birds on overhead power transmission lines. A. I. Lepilin. Energetik 11 no. 2:20 F '63.

Use of a flaw detector for locating sources of radio and television interference on 110 kv. electric power transmission lines. A. P. Karamzin, N. G. Korshagin. Elek. sta. 34 no. 3:82-84 Mr '63.

ELECTRIC LINES—POLES AND TOWERS

I. A. Parkhomenko is right. B. A. Kremlev. Avtom. telemek. i svyaz' 7 no. 2:43 F '63.

Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut elektromekhaniki. [Climatic data for the calculation of high-voltage power transmission lines] Raschetnye klimaticheskie uslovia dlia vysokovolt'nykh lini elektropredachi. Moskva, Gos. energ. izd-vo. Vol. 2. [Wind force on overhead lines in the U.S.S.R.] Vetrovyye nagruzki vozdukhnykh lini elektropredachi v SSSR. 1962. 168 p. (Iz. Trudy, no. 14)

Reut, M. A. [Use of precast reinforced concrete in the construction of 35 - 500 kv. power distribution networks] Primenenie sbornogo zhelezobetona pri sooruzhenii elektricheskikh setei napriazheniem 35 - 500 kv. Moskva, Gosenergoizdat, 1962. 173 p.

ELECTRIC LINES—SAFETY MEASURES

Concerning safety measures in working on the towers of 400 kv. and 500 kv. operating power transmission lines. V. A. Vershkov, V. M. Bobrovskii, E. S. Glebov. *Elek. sta.* 34 no. 3:60-64 Mr '63.

ELECTRIC MACHINERY

Capacitance in a symmetrical system of cylinders with alternating polarity. L. D. Osnovich, A. M. Shor. *Izv. vys. ucheb. zav. energ.* 6 no. 2:35-41 F '63.

Decisions of the November Plenum of the Central Committee of the CPSU and problems confronting the power machinery industry. *Energomashinoostroenie* 9 no. 1: 1-2 Ja '63.

Multipurpose little electric machine. *IA Medits. Zhil.-kom. khoz.* 13 no. 1:26-27 '63.

ELECTRIC MACHINERY—MAINTENANCE AND REPAIR

Mechanization of power plant machinery repair operations. V. V. Bulgakov. *Energomashinoostroenie* 9 no. 2: 36-37 F '63.

ELECTRIC MACHINERY—WINDINGS

Restoration of the winding wires of electrical machines. V. A. Blumberg. *Nauch. trudy VIESKH* 11:110-127 '62.

ELECTRIC MEASUREMENTS

Determination of the distance to the spot of damaged insulation of a cable. B. Z. Tomchin. *Vest. svinzi* 23 no. 3:14-15 Mr '63.

Karandeev, K. B., and others. [Universal a.c. bridge] *Universal'nyi most peremennogo toka*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35, No. P-58-46/7)

Measurement of nonlinear distortions. B. Kabuk. *Radio* no. 12:30-31 D '62.

Popov, V. S. [Wire resistors with indirect heating and their use in automatic control systems and measuring devices] *Metallicheskie provolochnye soprotivleniya s kosvennym podogrevom i ikh primeneniye v avtomaticheskikh i izmeritel'nykh ustroystvakh*. Leningrad, 1962, 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen передовым опытом. Seriya: Priboi i elementy avtomatiki, no. 2)

Sivolapov, V. P. [MFI phase meters, Light-sensitive EAK-3 automatic compensators for electric prospecting] *Fazometr MFI. Fotoregistriruyushchii elektrorazvedochnyi avtokompensator EAK-3*. [By] K. B. Karandeev i dr. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 25 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35, No. P-58-27/4)

ELECTRIC METAL CUTTING

Effect of treatment on the strength of extremely hard materials [with summary in English]. A. A. Artamonov, E. L. Shvedkov. *Poroshk. met.* no. 1:79-82 Ja-F '63.

Spektor, O. Sh. [Arc and gas cutting of stainless steel] *Dugovaya i gazovaya rezka nerzhaveyushchey stali*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12, No. M-58-190/18)

Vasil'ev, K. V., and I. S. Shapiro. [Air-arc cutting of metals. P. A. Vachkov's method for the gas planing of steel] *Vozdushno-dugovaya rezka metallov. Gazovaya stozhka stali po metoda P. A. Vachkova*. [By] K. Kh. Shteintalg. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12, No. M-58-70/7)

ELECTRIC METAL CUTTING—ABSTRACTS

[Electrical methods of metal machining; abstracts] *Elektricheskie sposoby obrabotki metallov; referativnyi sbornik*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8, No. M-58-460/11)

ELECTRIC METERS

Vlasov, M. F., and others. [Assembly and adjustment of electric measuring devices] *Sbornik i regulirovka elektromeritel'nykh priborov*. Izd. 2, perer. Moskva, Gosenergoizdat, 1963, 260 p.

ELECTRIC MOTORS

Remote control of an electric drive using one line. N. I. Kazakov. *Energetik* 10 no. 6:24-25 Je '62.

Use of thermistors for protecting electric motors from overloads. M. P. Babkov, A. A. Strel'chik. *Energetik* 11 no. 4:25-26 Ap '63.

ELECTRIC MOTORS—TESTING

Concerning F. G. Ryklin's article "Testing of the insulation of electric transformers and motors using high-voltage d.c." V. A. Koval'chuk. *Elek. sta.* 34 no. 3: 87 Mr '63.

ELECTRIC MOTORS, INDUCTION

Choice of fuses and determination of the size of wires and cables for supplying power to asynchronous electric motors. K. V. Laptsev. *Energetik* 11 no. 4:34-35 Ap '63.

ELECTRIC NETWORKS

Atabekov, G. I., ed. [Theoretical principles of electrical engineering in three parts] *Teoreticheskie osnovy elektrotekhniki v trekh chastyakh*. Moskva, Gosenergoizdat, Pt. 2. Atabekov, G. I., A. B. Timofeev, and S. S. Khukhrikov. [Nonlinear networks] *Nelineynye tsepi*. 1962, 127 p.

Design of electric networks for harbor piers. L. Kirpichnikov, M. Kharif. *Mor. flot* 23 no. 3:17-19 Mr '63.

Magnetic amplifiers as linear four-terminal networks. Part 1 [with summary in English]. L. V. Safrya. *Avtomatika* 8 no. 1:28-30 '63.

ELECTRIC OSCILLATORS see Oscillators, Electric

ELECTRIC POWER

[Electric power production and utilization in foreign countries; supplement to the periodical "Elektricheskie stantsii"] *Energokhoz. za rub.* no. 2 Mr-Apr '63. Establishment of rates on thermal power. S. E. Shitman. *Elek. sta.* 34 no. 3:28-32 Mr '63.

Mysteries and discoveries. *Nauka i rel.* 4 no. 3:16-17 Mr '63.

Shadrakhin, L. A., and F. I. Gorin. [Saving electric power in petroleum refining] *Ekonomiya elektrosnabzheniya v neftepererabatyvalushchei promyshlennosti*. Moskva, Gosenergoizdat, 1962, 39 p. (Za ekonomiyu elektricheskoi i teplovoi energii)

Use of the excess potential energy of natural gas for production of electric power and refrigeration. G. E. Zaitseva. *Izv. vys. ucheb. zav. energ.* 6 no. 2:77-80 F '63.

ELECTRIC POWER DISTRIBUTION (see also subdivision under Moscow)

Aizenberg, B. L. [Efficient power supply for industrial enterprises and conditions governing the use of deep entrances] *Voprosy ratsional'nogo elektrosnabzheniya promyshlennykh predpriyatiy i uslovia primeneniya glubokikh vvodov*. Leningrad, 1962, 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen передовым опытом. Seriya: Energetika, no. 9)

Analytical method for determining taps on 6-10/0, 4 kv. power transformers and voltage regulation in rural 6 to 10 kv. power distribution networks. *Nauch. trudy VIESKH* 11:178-184 '62.

Chapter 33, "Protection from overvoltages," of the new "Regulations for Operating Electric Networks and Power Plants." F. A. Likhachev. *Energetik* 11 no. 2: 22-29 F '63.

Complex KRU2-10E-type power distribution devices. *Energetik* 11 no. 4:46-47 Ap '63.

Concerning safety measures in working on the towers of 400 kv. and 500 kv. operating power transmission lines. V. A. Vershkov, V. M. Bobrovskii, E. S. Glebov. *Elek. sta.* 34 no. 3:60-64 Mr '63.

Distance-type PZ-152 protection system with a c. operative current. M. S. Balazitov, O. A. Verbenko, V. E. Polakov. *Izv. vys. ucheb. zav. energ.* 6 no. 2: 1-5 F '63.

A grounded protection system in a four-wire 380 volt power distribution network. V. N. Lebedev. *Energetik* 10 no. 6:20 Je '62.

Improvement of the operation of the KSA system. I. I. Mitkevich. *Energetik* 11 no. 4:28 Ap '63.

The KRU2-10P electric power distribution units. *Energetik* 11 no. 2:34-39 F '63.

Load-carrying capacity diagram of power transformers. P. G. Grudinskii. *Elek. sta.* 34 no. 3:86-89 Mr '63.

Methodology for capacitive power take-off from overhead power transmission lines. A. N. Sherentsis. *Energetik* 11 no. 4:41 Ap '63.

Miller, G. R. [Automatic and remote control in the electric power distribution systems of industrial enterprises] *Avtomatizatsiya i telemekhanizatsiya v sistemakh elektrosnabzheniya promyshlennykh predpriyatiy; obzor*. Leningrad, 1962, 86 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Energetika)

Operating efficiency of electric transformers in municipal electric power distribution networks. L. M. Shnitser. *Elek. sta.* 34 no. 3:65-66 Mr '63.

Operation of electric current transformers in differential protection networks. V. S. Kolesnikov. *Izv. vys. ucheb. zav. energ.* 6 no. 2:6-16 F '63.

Power transmission in the U.S.S.R. Konstantin Lavrenko. *Sov. Soluz.* no. 2:12-15 '63.

Problems concerning the further development of electric networks and increase in the quality of voltage. A. M. Nekrasov, G. V. Serbinovskii. *Elek. sta.* 34 no. 3:2-7 Mr '63.

Protection from overvoltage of 500 kv. long-distance power transmission lines. I. U. I. Lyskov, S. S. Rokotian. *Elek. sta.* 34 no. 3:54-58 Mr '63.

Regulation of the load of a 150 Mw. black using a sliding pressure technique. N. N. Travin. *Elek. sta.* 34 no. 3:7-9 Mr '63.

Sixth Scientific and Technical Conference on Municipal Electric Power Distribution Networks. I. A. I. Stepan, N. V. Karpovich. *Izv. vys. ucheb. zav. energ.* 6 no. 2: 107-109 F '63.

Use of electronic computers in calculating rural electric power distribution networks. M. S. Levin. *Nauch. trudy VIESKH* 11:185-204 '62.

Use of separators in electrical networks. B. N. Iganyov. *Energetik* 10 no. 6:15-9 Je '62.

Vasil'ev, A. A. [Electrical section of power plants and substations] *Elektricheskaya chast' stantsii i podstantsii*. Moskva, Gosenergoizdat.

Pt. 1. [Electrical equipment and power distribution devices] *Elektricheskie apparaty i raspredelitel'nye ustroystva*. 1963, 495 p.

ELECTRIC POWER DISTRIBUTION—COMMUNICATION SYSTEMS

Methods for preventing the distortion of remote control signals in rural forked electric power distribution networks. B. V. Smirnov. *Nauch. trudy VIESKH* 11:201-230 '62.

Study of square impulse transmission using 6 to 10 kv. power distribution and a zero sequence network. B. V. Smirnov, V. M. Petrov. *Nauch. trudy VIESKH* 11:231-261 '62.

ELECTRIC POWER DISTRIBUTION—CONGRESSES

International Conference on Large Electric Systems, 1963, Paris, 1960. [High voltage power transmission lines; translations of the reports of the International Conference on Large Electric Systems (CIGRE), 1960] *Itskh elektropredachi vysokogo napriazheniya; perevody dokladov Mezhdunarodnoi konferentsii po elektricheskii sistemam (CIGRE) 1960 g.* Pod red. V. V. Burpachova. Moskva, Gosenergoizdat, 1962, 319 p.

ELECTRIC POWER DISTRIBUTION—SAFETY MEASURES

Methods for reviving individuals paralyzed by electrical shock. M. P. Grobivker. *Energetik* 10 no. 6:21-23 Je '62.

ELECTRIC POWER DISTRIBUTION—SAFETY REGULATIONS

Russia (1923- U. S. S. R.) *Glasnoe energoeticheskoe upravleniye*. [Safety engineering regulations for operating and servicing electrical systems of industrial enterprises required for the industrial plants of economic councils, ministries, and departments] *Pravila tekhnicheskoi okupatsii i bezopasnoi obsluzhivaniya elektrostaniyevok promyshlennykh predpriyatiy; obshchitel'ny dlya promyshlennykh predpriyatiy sovmarkhozov, ministerstv i vedomstv*. Utoverzhdeny 10 fevralia 1961 g. Moskva, Dnepropetrovskoe knizhnoe izd-vo, 1962, 270 p.

ELECTRIC POWER PLANTS

(see also subdivision under Astrakhan; Kemerovo; United States)

Automation of the auxiliary power supply section of an electric power plant. V. G. Studola. *Energetik* 10 no. 6:17-19 Je '62.

Decisions of the November Plenum of the Central Committee of the CPSU and problems confronting the power machinery industry. *Energomashinoostroenie* 9 no. 1: 1-2 Ja '63.

Electric power plants of tomorrow. S. Andrievskiy. *Znan. ta pratsia* no. 1:14-17 Ja '63.

Establishment of rates on thermal power. S. E. Shitman. *Elek. sta.* 34 no. 3:28-32 Mr '63.

Fuel oil department of a thermal electric power plant. I. A. Rudakov, A. V. Martynov, V. V. Kuznetsova. *Energetik* 11 no. 4:11-13 Ap '63.

Litvin, I. S. [Precast reinforced-concrete elements of thermal electric plants] *Sbornik zhelezobetonnye konstruktivnykh teplovyykh elektrostaniy*. Moskva, Gosenergoizdat, 1962, 202 p.

Mechanization of power plant machinery repair operations. V. V. Bulgakov. *Energomashinoostroenie* 9 no. 2:36-37 F '63.

New norms on the amortization of the basic assets of power engineering enterprises. A. I. Avrukh. *Elek. sta.* 34 no. 3:33-30 Mr '63.

Packing of coal to be stored over long periods of time. A. F. Seleznev. *Energetik* 10 no. 6:20 Je '62.

Periodic testing of engineering and technical workers of electric power plants. I. L. Shmidt. *Energetik* 10 no. 6:36 Je '62.

Points from technical journals. *Energetik* 10 no. 4: 36-37 Je '62.

Regulation of the load of a 150 Mw. black using a sliding pressure technique. N. N. Travin. *Elek. sta.* 34 no. 3:7-9 Mr '63.

Rutskii, A. I. [Electric power plants and substations; principal electrical equipment] *Elektricheskie stantsii i podstantsii; osnovnoye elektricheskoe oborudovaniye*. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1962, 423 p.

Spare no effort in trying to decrease the expenditure of fuel in electric power plants. *Energetik* 10 no. 6:2-3 Je '62.

Two-stage burning of coal. V. V. Luk'ianov. *Elek. sta.* 34 no. 3:12-17 Mr '63.

Vasil'ev, A. A. [Electrical section of power plants and substations] *Elektricheskaya chast' stantsii i podstantsii*. Moskva, Gosenergoizdat.

Pt. 1. [Electrical equipment and power distribution devices] *Elektricheskie apparaty i raspredelitel'nye ustroystva*. 1963, 495 p.

ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Stationary system for testing insulation in an electric power plant. G. A. Voislag. *Energetik* 10 no. 8:23 Je '62.

ELECTRIC POWER PLANTS—LIGHTING

Fluorescent lighting in electric power plants. A. I. A. Kola. *Energetik* 11 no. 4:32-34 Ap '63.

ELECTRIC POWER PLANTS—TRANSPORTATION

New method for heating electric power plants mounted on railroad cars. E. I. Andreev. *Energetik* 11 no. 4:29-31 Ap '63.

ELECTRIC POWER PRODUCTION see subdivision under Donets Basin; Ukraine

ELECTRIC POWER STATIONS see subdivision under Gay (Orenburg Province); Naval

ELECTRIC POWER SUPPLY TO APPARATUS

Conversion of the power supply block of an automobile receiver. K. Chumakov. *Radio* no. 12:47 D '62.

Lakunin, N. B. [Power supply system of the MN-8 analog computer.] *Sistema pitaniia elektromodeliruyushchey ustanovki MN-8*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 25 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40, No. P-58-108/4)

Power supply unit for an antenna amplifier. V. Abramovich. *Radio* no. 12:28 D '62.

Reservation of power supply for telemetering devices. N. S. Shobalin. *Energetik* 11 no. 4:41 Ap '63.

Stabilization of a transistorized electric current rectifier. P. M. Poznikov, L. V. Grantzki. *Vest. svyazi* 23 no. 1:17-18 Ja '63.

Ulamyshev, R. I. [Apparatus for precise measurement of the frequency of power supply sources in a frequency range of 300 to 1500 c. p. s.] *Apparatura dlia tochnogo izmereniia chastoty istochnikov elektricheskoi energii v diapazone 300-1500 gts*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 23 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 38, No. P-58-30-10)

ELECTRIC PROSPECTING

(see also subdivision under Turkmenistan)

Analytical extension of electric fields applied in some electric prospecting methods using direct current. V. N. Strakhov. *Izv. AN SSSR. Ser. geofiz.* no. 3:406-418 Mr '63.

Analytical extension of electric fields in a conductive half space. V. N. Strakhov. *Izv. AN SSSR. Ser. geofiz.* no. 3:419-431 Mr '63.

Automatic registration of the relative induced potentials in a hole. T. V. Shcherbakov, M. I. Plutskii. *Razved. i prom. geofiz.* no. 46:96-101 '62.

Interpreting three-layer vertical electric prospecting curves. V. D. Kukuruza. *Razved. i prom. geofiz.* no. 46:49-52 '62.

New method for determining the electromagnetic field of a dipole grounded on the surface of a multilayered isotropic medium. L. L. Van'tan. *Geol. i geofiz.* no. 12:107-109 '62.

Possibility of using spectrum analysis in electric prospecting. T. Z. Verbitskii. *Geofiz. zhur.* no. 1:107-111 '62.

Registering hole polarization diagrams on an OKS measuring device in rocks having high resistivity. N. A. Irbe. *Razved. i prom. geofiz.* no. 46:82-85 '62.

Using correlation functions for multilayer vertical electric prospecting curves in solving an inverse problem in electric prospecting. M. L. Belikovskii, M. B. Zil'berstein. *Razved. i prom. geofiz.* no. 46:53-58 '62.

ELECTRIC PROSPECTING—EQUIPMENT AND SUPPLIES

Portable device for electric logging on a single-wire cable. O. V. Rudnev. *Razved. i prom. geofiz.* no. 46:86-88 '62.

Svalapov, V. P. [MFI phase meters. Light-sensitive EAK-3 automatic compensators for electric prospecting.] *Fazometr MFI. Fotoregistriruyushchii elektronnyy avtomaticheskiy avtokompensator EAK-3*. [By] K. B. Karandeev i dr. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 25 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35, No. P-58-27/4)

ELECTRIC PROTECTION

[Automatic control, remote control, and electric protection systems] *Sistemy avtomaticheskogo i telemekhanicheskogo upravleniya i zashchity*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 3 v. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, Nos. P-57-1/1, P-57-12/4, P-57-58/11)

Chapter 33, "Protection from overvoltages," of the new "Regulations for Operating Electric Networks and Power Plants." F. A. Likhachev. *Energetik* 11 no. 2:22-29 F '63.

Concerning permissible methods for installing protection apparatus. D. S. Litvishin. *Energetik* 11 no. 2:32-33 F '63.

Distance-type PZ-152 protection system with a.c. operative current. M. S. Balazutov, O. A. Verbenko, V. B. Poliakov. *Izv. vys. ucheb. zav. energ.* 6 no. 2:1-5 F '63.

Method for decreasing the low voltage limit of tubular fiber-bakelite 35-110 kv. dischargers. A. I. A. Lepilin. *Energetik* 11 no. 4:27-28 Ap '63.

Operation of electric current transformers in differential protection networks. V. S. Kolesnikov. *Izv. vys. ucheb. zav. energ.* 6 no. 2:6-18 F '63.

Protection from overvoltage of 500 kv. long-distance power transmission lines. I. U. I. Lyskov, S. S. Rokotian. *Elek. sta.* 34 no. 3:54-59 Mr '63.

Solov'ov, I. I., and A. M. Fedoseev, eds. [Use of transistors in relay protection and system automation] *Primeneniye poluprovodnikov v ustroystvakh releinoi zashchity i sistemnoi avtomatiki*. [By] N. N. Vostroknutov i dr. Moskva, Vysshaya shkola, 1962. 282 p.

Special features of measuring nonsymmetry current in the differential protection system of electric power transformers. V. E. Kazanskii. *Elek. sta.* 34 no. 3:94 Mr '63.

Use of thermistors for protecting electric motors from overloads. M. P. Bakhov, A. A. Strel'chik. *Energetik* 11 no. 4:25-26 Ap '63.

ELECTRIC PUMPS see Pumping machinery; Electric

ELECTRIC RAILROADS—SAFETY MEASURES

Safety engineering techniques in an a.c. electrified railroad district. M. A. Shul'man. *Avtom. telemek. i svyaz'* 7 no. 2:1-4 F '63.

ELECTRIC RELAYS

Aranovich, B. I. [Contactless electromagnetic relay devices for regulating and automating industrial drives] *Beskontaktnyye elektromagnitnyye rel'eynye ustroystva dlia upravleniya i avtomatizatsii promyshlennyykh privodov*. Leningrad, 1962. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Pribory i elementy avtomatiki, no. 12)

Broadening of the setting limits of RT-80 relays. Z. E. Rozhanskii, I. U. M. Bukl. *Elek. sta.* 34 no. 3:82 Mr '63.

Contactless selective relay. I. U. Nartov, V. Sobolev. *Radio* no. 4:40 Ap '63.

Continuous line methods for manufacturing code relays. M. S. Golovkov. *Avtom. telemek. i svyaz'* 7 no. 2:47 F '63.

Correction of faults in the operation of an IT-81 relay caused by vibration of the panel. N. V. Shmakov. *Energetik* 10 no. 6:23-24 Je '62.

Solov'ov, I. I., and A. M. Fedoseev, eds. [Use of transistors in relay protection and system automation] *Primeneniye poluprovodnikov v ustroystvakh releinoi zashchity i sistemnoi avtomatiki*. [By] N. N. Vostroknutov i dr. Moskva, Vysshaya shkola, 1962. 282 p.

Two-pole diode grids. V. V. Obraztsov. *Dokl. AN SSSR* 149 no. 4:831-834 Ap '63.

ELECTRIC RESISTANCE

"Static skin effect" for currents in a high magnetic field and the resistance of metals [with summary in English]. M. I. Azbel'. *Zhur. eksp. i teor. fiz.* 44 no. 3:983-998 Mr '63.

ELECTRIC RESISTORS

Popov, V. S. [Wire resistors with indirect heating and their use in automatic control systems and measuring devices] *Metallicheskie provolochnyye soprotivleniya s kosvennym podogrevom i ikh primeneniye v avtomaticheskikh i izmeritel'nykh ustroystvakh*. Leningrad, 1962. 10 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Pribory i elementy avtomatiki, no. 2)

ELECTRIC RESONATORS

Conditions for the self-excitation of a system of resonators as a problem of eigenvalues. A. S. Koshal'. *Radiotekh. i elektron.* 8 no. 3:522-524 Mr '63.

Open resonators for optical quantum generators [with summary in English]. L. A. Vainshtein. *Zhur. eksp. i teor. fiz.* 44 no. 3:1050-1057 Mr '63.

ELECTRIC SUBSTATIONS

Installation of TFN-35 transformers on B-1 type blocks of 35 kv. outdoor power distribution systems. N. N. Belikov. *Energetik* 11 no. 4:25 Ap '63.

Precast transformer substation. M. Zhendarev. *Na stroi. Ros.* 4 no. 1:10-11 Ja '63.

Rutskii, A. I. [Electric power plants and substations; principal electrical equipment] *Elektricheskie stantsii i podstantsii; osnovnoye elektricheskoye oborudovaniye*. Minsk, Gos. izd-vo BSSR. Red. nauchno-tekhn. lit-ry, 1962. 423 p.

Shaposhnikov, V. G. [Sealed mercury-arc rectifiers; experience in the operation of type RM-500 and RMV-250x6 rectifiers] *Zapalanyye rtutnyye vypryamiteli; opyt ekspluatatsii vypryamitelei tipov RM-500 VS i RMV-250x6*. Moskva, Izd-vo MKKII RSFSR, 1962.

Step-down substations with voltage dividers. V. D. Urenkov. *Elek. sta.* 34 no. 3:49-54 Mr '63.

Vasil'ev, A. A. [Electrical section of power plants and substations] *Elektricheskiye chasti stantsii i podstantsii*. Moskva, Gosenergizdat.

Pl. 1. [Electrical equipment and power distribution devices] *Elektricheskiye apparaty i raspredelitel'nyye ustroystva*. 1963. 495 p.

ELECTRIC SWITCHGEAR

Concerning 35 kv. oil-filled switches. Babil. *Energetik* 11 no. 4:27 Ap '63.

Concerning V. A. Shefer's article "Improvement of the control networks of the electromagnetic drives of oil-filled switches." B. A. Kosolepov. *Elek. sta.* 34 no. 3:87 Mr '63.

Correction of faults in the operation of an IT-81 relay caused by vibration of the panel. N. V. Shmakov. *Energetik* 10 no. 6:23-24 Je '62.

High-voltage equipment manufactured by the "Elektroapparat" Factory. *Energetik* 10 no. 6:30-40 Je '62.

Molokus, I. B. [System for determining the characteristics of an electric arc and measuring the parameters of compressed air in the arc-quenching chambers of air switches. Stand for studying voltage distribution in the gaps of an arc-type rectifier] *Ustanovka dlia opredeleniya elektricheskikh kharakteristik dugi i izmereniia parametrov poloka szhatogo vozdukh v gap'nykh kamerakh vozdukhnykh vykluchatelei*. Stand dlia issledovaniia raspredeleniya napriazheniya mezhdu promezhutkami dugovogo ventilia. [By] A. S. Filaretova. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 21 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 35, No. P-57-31/3)

Novikov, O. I. A. [Improvement of high-voltage switches and their drive mechanisms] *Modernizatsiya vysokovol'tnykh vykluchatelei i privodov k nim*. [Kulbyshev] Kulbyshevskoe knizhnoe izd-vo, 1962. 78 p.

Repair of the power switch in the "VEF-Akhord" radio-phonograph combination. N. Baranets. *Radio* no. 4:44 Ap '63.

ELECTRIC SWITCHGEAR—TESTING

Decrees of the Presidium of the Central Committee of the Trade Union of the Workers of Electric Power Plants and the Electric Industry; proceedings no. 18 January 16, 1963. V. Andreev, P. Ustinov, N. Simochatov. *Energetik* 11 no. 4:40 Ap '63.

ELECTRIC TRANSFORMERS

Analytical method for determining taps on 6-10/0, 4 kv. power transformers and voltage regulation in rural 6 to 10 kv. power distribution networks. *Nauch. trudy VIESKII* 11:178-184 '62.

Authors' reply. V. N. Zvezdkin, G. B. Izraelit. *Elek. sta.* 34 no. 3:90-91 Mr '63.

An autotransformer for television receivers. L. Korzhenskii. *Radio* no. 12:54 D '62.

Concerning some factory defects of large power transformers. V. A. Koval'chuk. *Energetik* 11 no. 4:24-25 Ap '63.

Concerning V. N. Zvezdkin, G. B. Izraelit, and M. G. Lotinskii's article "Determination of the maximum permissible degree of moisture in transformer insulation." A. K. Ashratov, A. V. Panov. *Elek. sta.* 34 no. 3:88-90 Mr '63.

Inductive reactance of the secondary winding of an electric current transformer. N. V. Harash. *Izv. vys. ucheb. zav. energ.* 6 no. 2:27-34 F '63.

Load-carrying capacity diagram of power transformers. P. G. Grudinskii. *Elek. sta.* 34 no. 3:66-69 Mr '63.

Nomogram for designing power transformers with ratings up to 1 kv. E. Afanas'ev. *Radio* no. 4:48 Ap '63.

Operating efficiency of electric transformers in municipal electric power distribution networks. L. M. Shnitser. *Elek. sta.* 34 no. 3:65-68 Mr '63.

Operation of electric current transformers in differential protection networks. V. S. Kolesnikov. *Izv. vys. ucheb. zav. energ.* 6 no. 2:6-18 F '63.

Permissible moisture content in operating electric transformers. V. B. Kufinkovskii. *Elek. sta.* 34 no. 3:91-94 Mr '63.

Problem concerning the design of transformers and magnetic amplifiers for operation on frequencies from 2 to 10 c. p. s. A. I. Artem'ev. *Izv. vys. ucheb. zav. energ.* 6 no. 2:19-20 F '63.

Reciprocity and irreversibility of a transformer with a rotating magnetic field. A. K. Shydlova'skiy. *Avtomatika* 6 no. 1:87-89 '63.

Special features of measuring nonsymmetry current in the differential protection system of electric power transformers. V. E. Kazanskii. *Elek. sta.* 34 no. 3:94 Mr '63.

Step-down transformer. A. Z. Emel'ianchuk. *Shkola i proizv.* 6 no. 12:68 D '62.

Theoretical and laboratory studies of means of measuring current in mines, using sparkproof current transformers. S. S. Bogutskii, V. N. Molchanov. *Sbor. KuzNEI* no. 8:85-104 '61.

Tikhomirov, P. M. [Design of electric transformers] *Raschet transformatorov*. Izd. 2., perer. i dop. Moskva, Gosenergizdat, 1962. 431 p.

Use of transformer oil with antioxidants. N. E. Antonov. T. P. Prudnikova. *Energetik* 11 no. 4:20-22 Ap '63.

ELECTRIC TRANSFORMERS—TESTING

Concerning F. G. Ryklin's article "Testing of the insulation of electric transformers and motors using high-voltage d.c." V. A. Koval'chuk. *Elek. sta.* 34 no. 3:87 Mr '63.

ELECTRIC WELDING

Demiantsevich, V. P. [Metallurgical and technological principles of arc welding] Metallurgicheskie i tekhnologicheskie osnovy dugovoi svarki. Moskva, Mashgiz, 1962. 295 p.

Destiny of a great invention. IU, Iul', I. Malyahev, Izobr. i rats. no. 9:23 S '62.

Effect of current distribution along the cross-section of a joint during flash welding on the weld quality. A. S. Gel'man, S. N. Mel'bard. Svar. proizv. no. 3:8-12 Mr '63.

Khidkeli, A. V. [It was invented in Kiev] Adresa vynakhodu - Kyiv. [Kyiv] Kyiv's'ke oblasne knyzhkovogazetne vyd-vo, 1962. 58 p.

Naumov, V. G. [Mechanization of electric welding operations in construction] Mekhanizirovannye elektrosvarochnye raboty v stroitel'stve. Moskva, Gosstroizdat, 1962. 370 p. (Seria prakticheskikh posobii po povysheniiu masterstva v promyshlennom stroitel'stve)

Novozhilov, N. M., and A. M. Sokolova. [Automatic and semiautomatic welding procedures for low-carbon and low-alloy steels using a consumable electrode in an atmosphere of carbon dioxide] Tekhnologiya avtomaticheskoi i poluavtomaticheskoi svarki malouglerodistykh i nizkolegirovannykh stali pлавlashchimsia elektrodom v srede uglekislogo gaza. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-50/5)

Quality and composition of sulfide inclusions in the weld metal during arc welding. N. M. Novozhilov, A. M. Sokolova. Svar. proizv. no. 3:12-16 Mr '63.

Replacement of a pump in an electric welding apparatus. P. Peters, T. Vansheid, Sel', mekh. no. 8:28-29 '62.

Saving electric power in welding shops. L. K. Ershov. Avi. prom. 28 no. 8:56-59 Ag '62.

[Welding, cutting, and soldering] Svarka, rezka i palka. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos. 1-2, 5-8. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. Nos. M-58-17/1, M-58-20/2, M-58-185/15, M-58-241/30, M-58-256/21, M-58-397/32)

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Automatic machines for the welding of ignition coils. N. M. Chernikov. Svar. proizv. no. 3:42-43 Mr '63.

Net flows out of rolls. M. Shipagin. Izobr. i rats. no. 9:7-8 S '62.

ELECTRIC WELDING—SAFETY MEASURES

Alekseev, I. A. [Safety measures in the welding and cutting of metal] Tekhnika bezopasnosti pri svarkie rezke metalla. Pod obshchiel red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 30 p. (Biblioteka stroitel'ia po tekhnika bezopasnosti, no. 10)

ELECTRIC WIRE, INSULATED

Choice of fuses and determination of the size of wires and cables for supplying power to asynchronous electric motors. K. V. Liaptev. Energetik 11 no. 4:34-35 Ap '63.

ELECTRIC WIRING—EQUIPMENT AND SUPPLIES

Lever wire cutter. M. G. Nikolayev. Transp. stol. 13 no. 2:52 F '63.

ELECTRIC WIRING, INTERIOR

Baseboard electric wiring. IU, Churov. Zhi. stol. no. 2:27 '63.

ELECTRICITY

Shtrauf, E. A. [Physics course for institutions of higher technical education] Kurs fiziki dlia vysshih tekhnicheskikh uchebnykh zavedenii. Leningrad, Sudpromgiz. Vol. 2. [Electricity and magnetism] Elektricheskoe i magnetizm, 1962. 552 p.

ELECTRICITY, INJURIES FROM

Methods for reviving individuals paralyzed by electrical shock. M. P. Grobivker. Energetik 10 no. 6:28-29 Je '62.

ELECTRICITY IN AGRICULTURE

Automatically controlled electric drive of a pump with level regulation. R. M. Slavin. Nauch. trudy VIESKH 11:5-51 '62.

Classification and methods for designing systems for stopping the engines of diesel electric power plants. D. N. Byitskii, V. V. Pan'kin. Nauch. trudy VIESKH 11:141-177 '62.

Problems of rural electrification. I. Budzko, S. Shchurov. Vop. ekon. no. 3:55-64 Mr '63.

Using electric light in growing plants. B. S. Moshkov. Sbor. trud. po agron. fiz. no. 10:5-12 '62.

ELECTRICITY IN FORESTRY

Automatically controlled diesel electric power plants for logging enterprises. N. A. Iakovlev, M. M. Tendler. Les. prom. 41 no. 119-10 Ja '63.

Improving the supply of logging enterprises with electric energy. G. P. Kuz'minov. Les. prom. 41 no. 1:29 Ja '63.

ELECTRICITY IN LUMBERING—HANDBOOKS, MANUALS, ETC.

[Power engineering in the lumber industry] Energetika lesnoi promyshlennosti; spravochnik. Moskva, Goslesbunizdat, 1962. 545 p.

ELECTRICITY IN MINING

Theoretical and laboratory studies of means of measuring current in mines, using sparkproof current transformers. S. S. Bogutskii, V. N. Molchanov. Sbor. KuzNIOI no. 8:85-104 '61.

ELECTRICITY ON SHIPS

Arrangement for the automatic control of marine electric power systems (to be concluded). Sudostroenie 29 no. 1:43-45 Ja '63.

Design of apparatus repair shops for electric and radio navigation, communications, control and measurement, and automatic control in shipyards. B. Shatalov. Mor. flot 23 no. 3:35-37 Mr '63.

Device for the proportional load distribution between generators operating in parallel and frequency holding. G. M. Lachkov, M. Z. Andriakon. Biul. tekhn. ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:57-67 '62.

Electric power plants on "Sergei Botkin"-type ships. B. M. Levin. Inform. sbor. TSNIIMF no. 69 Tekh. ekapl. nor. flota no. 12:57-78 '61.

Metal-fitting and electric engineering shops on the tank vessel "Sofia." V. Biriuk. Mor. flot 23 no. 3:31-32 Mr '63.

Ways of introducing automatic control of the generator part of electric power plants on motorships of the "Volgotes" type. Mor. flot 23 no. 3:27-29 Mr '63.

ELECTRICITY ON SHIPS—BIBLIOGRAPHY see Bibliography—Electricity on ships

ELECTRIFICATION

The 21st century will be a century of over-all electrification. A. Semenov. Tekh. mol. 31 no. 1:2-3 '63.

Zhmerin, D. G. [Electrification in the national economy of the R. S. F. S. R.] Elektrifikatsiya narodnogo khoziaistva RSFSR. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 93 p. (Resheniia XXII s'ezda KPSS - v zhizn')

ELECTROCAPILLARY PHENOMENA

Ferrotungsten recovery from waste slags with the help of electric currents. IU, P. Nikitin, O. A. Esin, A. I. Sotnikov. Izv. vyz. ucheb. zav.; chem. met. 6 no. 2:12-15 '63.

ELECTROCARDIOGRAPHY

Functional state of the myocardium in patients during the active phase of rheumatic fever as per ballistocardiographic and electrocardiographic data [with summary in English]. G. V. Ivanovskii. Vop. revm. 1 no. 4:46-49 O-D '61.

Norms of the T-wave in the electrocardiogram of children [in Azerbaijani with summary in Russian]. M. I. Livanov, N. D. Kats. Azerb. med. zhur. 40 no. 1:16-20 Ja '63.

ELECTROCHEMICAL ANALYSIS

Determination of ultrasmall amounts of tin, bismuth, and antimony in high purity aluminum by the method of anodic volt-ampere measurement on a stationary mercury electrode [with summary in English]. E. N. Vinogradova, L. N. Vasil'eva. Zhur. anal. khim. 17 no. 5:579-584 Ag '62.

ELECTROCHEMISTRY

Grigor'ev, I. G., and V. V. Zulin. [Electrical conductivity as a means for analyzing gaseous and liquid systems] Elektroprovodnost' kak metod analiza gazovykh i zhidkikh sistem. [Kulyshev] Kulyshevskoe knizhnoe izd-vo, 1961. 21 p.

ELECTRODES

Breakdown of a vacuum gap during the transfer of conductive particles between electrodes. N. F. Olendzkaia. Radiotekh. i elektron. 8 no. 3:479-486 Mr '63.

Effect of the cathode material and electrolyte composition on the electrosynthesis of hydroxylamine sulfate. R. I. Agladze, R. K. Kvaratskheliia. Khim. prom. no. 1:48-52 Ja '63.

Electrodes for the hard facing of cutting tools. E. D. Shorshorova, V. I. Klepikov. Svar. proizv. no. 3:37-38 Mr '63.

Field of a disk electrode situated in a borehole. V. I. Bondarev. Izv. AN SSSR. Ser. geofiz. no. 3:476-481 Mr '63.

Hard facing Khr-19 electrodes with chromium carbides and borides in the coating. I. I. Isko'dakli, A. D. Rakhmanov. Svar. proizv. no. 3:32-34 Mr '63.

New electrodes for the hard facing of cutting tools. N. A. Gorpeniuk. Svar. proizv. no. 3:35-36 Mr '63.

Some problems in the theory of porous electrodes. A. G. Pashchinnikov. Dokl. AN SSSR 148 no. 5:1121-1124 F '63.

ELECTRODES, ALUMINUM

Behavior of the aluminum anode in galvanic cells with an alkaline electrolyte. A. V. Kuz'mina, L. L. Kuz'min. Zhur. prikl. khim. 36 no. 2:356-362 F '63.

ELECTRODES, GLASS

Dependence of the electrode properties of glasses on their structure [with summary in English]. M. M. Shults. Vest. LGU 18 no. 4:174-186 '63.

Effect of alkaline earth oxides on the electrode properties and chemical stability of lithium silicate glasses [with summary in English]. M. M. Shults and others. Vest. LGU 18 no. 4:104-114 '63.

Effect of alkaline earth oxides on the electrode properties and chemical stability of sodium silicate glasses [with summary in English]. M. M. Shults and others. Vest. LGU 18 no. 4:114-120 '63.

Effect of zirconium dioxide on the electrode properties and chemical stability of alkali metal silicates [with summary in English]. M. M. Shults, A. I. Parfenov, N. P. Piontlova. Vest. LGU 18 no. 4:143-149 '63.

Electrode behavior of sodium silicate glasses containing oxides of the elements of principal subgroups of the groups IV and V of the periodic system [with summary in English]. A. A. Holmstun, M. M. Shults. Vest. LGU 18 no. 4:149-155 '63.

Electrode properties and chemical stability of a number of multicomponent lithium silicate glasses [with summary in English]. A. I. Parfenov and others. Vest. LGU 18 no. 4:162-166 '63.

Electrode properties and chemical stability of lithium silicate glasses containing barium and zirconium oxides [with summary in English]. M. M. Shults, M. V. Pechenkhonova, T. V. Lipets. Vest. LGU 18 no. 4:169-172 '63.

Electrode properties and chemical stability of lithium silicate glasses containing rare earth oxides and titanium oxide [with summary in English]. A. I. Parfenov and others. Vest. LGU 18 no. 4:126-134 '63.

Electrode properties of glasses containing titanium dioxide [with summary in English]. M. M. Shults, V. S. Bobrov, I. S. Bukhareva. Vest. LGU 18 no. 4:178-182 '63.

Electrode properties of glasses of the system of oxides Li₂O - CaO - La₂O₃ - SiO₂ [with summary in English]. M. M. Shults and others. Vest. LGU 18 no. 4:153-159 '63.

Electrode properties of lithium borosilicate and gallio-silicate glasses. M. M. Shults, M. V. Pechenkhonova, G. P. Shevina. Vest. LGU 18 no. 4:130-136 '63.

Electrode properties of nonalkali glasses [with summary in English]. V. S. Bobrov, M. M. Shults. Vest. LGU 18 no. 4:160-171 '63.

Infrared absorption spectra of water contained in the surface layers of electrode glasses [with summary in English]. A. A. Holmstun. Vest. LGU 18 no. 4:171-174 '63.

Methods of investigation of the electrode properties and chemical stability of glasses [with summary in English]. M. M. Shults and others. Vest. LGU 18 no. 4:160-164 '63.

New concepts of the ion exchange theory of glass electrodes. Part 1. [with summary in English]. B. P. Nikol'skii, M. M. Shults. Vest. LGU 18 no. 4:23-26 '63.

New concepts of the ion exchange theory of glass electrodes. Part 2 [with summary in English]. B. P. Nikol'skii, M. M. Shults, A. A. Holmstun. Vest. LGU 18 no. 4:86-93 '63.

ELECTRODES, MERCURY

Electrodeposition of small amounts of iron on mercury. V. G. Prikhodchenko, V. A. Skripnik, O. K. Kudra. Zhur. prikl. khim. 36 no. 2:344-350 F '63.

ELECTRODES, TITANIUM

Titanium as an indicator electrode in neutralization reactions [with summary in English]. V. S. Giallaker. Zhur. anal. khim. 17 no. 5:556-559 Ag '62.

ELECTRODES, ZINC

Effect of electrolysis conditions on the reduction of acetone of a zinc cathode. V. G. Khomikov, A. P. Tsimlov. Zhur. prikl. khim. 36 no. 2:370-385 F '63.

Effect of the structure of a zinc cathode on the electrolytic reduction of acetone. V. G. Khomikov, A. P. Tsimlov. Zhur. prikl. khim. 36 no. 2:373-378 F '63.

ELECTRODYNAMICS

On the theory of singularities in nonlinear electrodynamics [with summary in English]. S. V. Peletminskii. Zhur. ekapl. i teor. fiz. 44 no. 3:1023-1035 Mr '63.

ELECTROENCEPHALOGRAPHY

Application of a method of statistical description of the extent of ascending and descending phases of bioelectric activity of the brain for the accumulation of information about the processes concomitant with thought activity. Report no. 1: Distribution of the extent of ascending and descending phases in the lower temporal occipital region of the left lobe in healthy subjects with stable alpha rhythm. A. A. Genkin. Dokl. APN 6 no. 6:117-122 '62.

Correlation between the bioelectric activity of the brain and the interaction of the analyzers in epileptic patients. IU, G. Gaponova. Prohl. sud. psikh. 11:199-203 '61.

Correlations of clinical and laboratory studies (as indicated by electroencephalography) on patients with a schizophrenialike syndrome in the late stage of a craniocerebral trauma. E. S. Qadai. Prohl. sud. psikh. 11:199-109 '61.

ELECTROENCEPHALOGRAPHY (Continued)

Mechanism of the action of cholinergic substances introduced into the brain ventricles. G. N. Kassil', L. P. Latash, E. M. Rutman. Dokl. AN SSSR 149 no. 2:464-467 Mr '63.

ELECTROLYSIS

Rotinlan, A. L., and T. M. Ovchinnikova. [Measuring acidity in the cathode layer during the electrolysis of aqueous solutions] Izmerenie kislotsnosti v prikatodnom sloye pri elektrolize vodnykh rastvorov. Leningrad, 1962. 18 p. (Leningradskiy dom nauchno-tekhnicheskoy propagandy. Obmen poredovym opytom, Seriya: Zashchitnye pokrytiya, no. 7)

Spectra of anode and cathode flashes of near-the-electrode luminescence in an electrolytic cell. V. V. Mikhov. Opt. i spekt. 13 no. 4:604-605 O '62.

Stability of stationary states of electrolytic systems. A. I. A. Gokhshtein. Dokl. AN SSSR 149 no. 4:880-883 Ap '63.

ELECTROLYTES

Effect of the cathode material and electrolyte composition on the electroynthesis of hydroxylamine sulfate. R. I. Agladze, R. K. Kvaratskheliia, Khim. prom. no. 1:40-52 Ja '63.

Rapid microanalysis of chemical elements by the moving boundary method. B. P. Konstantinov, O. V. Osharkova. Dokl. AN SSSR 148 no. 5:1110-1113 F '63.

Shluger, M. A., and A. I. Lipin. [Reducing the loss of chromium anhydride in electrolytic chromium plating. Chromium plating from a cold tetrachromate electrolyte] Umen'shenie poter' khromovogo anhidrida pri elektroliticheskom khromirovani. Khromirovaniye iz khromodnogo tetrakhromatnogo elektrolita. [By] A. I. A. Rabin, M. A. Shluger. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Poredovoi Nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13, No. M-58-203/21)

ELECTROLYTES—ANALYSIS

Nikandrova, L. L., and others. [Analysis of electrolytes and solutions for electroplating and chemical coatings] Analiz elektrolitov i rastvorov; dlia gal'vanicheskikh i khimicheskikh pokrytiy. Leningrad, Goskhimizdat, 1963. 310 p.

ELECTROLYTIC OXIDATION see Oxidation, Electrolytic

ELECTROLYTIC REDUCTION see Reduction, Electrolytic

ELECTROMAGNETIC FIELDS

Anomalous penetration of an electromagnetic field into a metal [with summary in English]. E. A. Kaner, Zhur. eksp. i teor. fiz. 44 no. 3:1036-1049 Mr '63.

On the theory of singularities in nonlinear electrodynamics [with summary in English]. S. V. Peletminskii, Zhur. eksp. i teor. fiz. 44 no. 3:1023-1035 Mr '63.

Radiation of an oscillator moving near a dielectric. L. G. Naryshkina. Radiotekh. i elektron. 8 no. 3:425-432 Mr '63.

Reflection method for calculating the electromagnetic field over horizontally-bedded structures. I. U. N. Kozulin. Izv. AN SSSR. Ser. geofiz. no. 3:432-443 Mr '63.

ELECTROMAGNETIC WAVES

Doppler effect in nonuniform media. G. D. Iakovleva, O. I. Iakovlev, A. I. Rogashkova. Radiotekh. i elektron. 8 no. 3:416-424 Mr '63.

Electromagnetic radiation from a plasma produced by a straight high-current discharge. V. A. Suprunenko and others. Atom. energ. 14 no. 4:340-352 Ap '63.

Radiation by atoms moving in the field of a standing wave [with summary in English]. S. G. Rautian, I. I. Sobel'man, Zhur. eksp. i teor. fiz. 44 no. 3:934-945 Mr '63.

ELECTROMAGNETIC WAVES—DIFFRACTION

Diffraction of a plane electromagnetic wave by a round plasma cylinder. I. U. N. Dnestrovskii, D. P. Kostomarov. Radiotekh. i elektron. 8 no. 3:408-415 Mr '63.

Diffraction of a plane electromagnetic wave by an ideally conductive sphere with a large diameter. I. U. A. Erukhimovich, I. U. V. Pimenov. Radiotekh. i elektron. 8 no. 3:394-399 Mr '63.

Transverse diffusion during the diffraction of short waves by a convex cylinder with evenly varying curvature. Part 1. V. A. Fok, L. A. Vainshtein. Radiotekh. i elektron. 8 no. 3:363-376 Mr '63.

Transverse diffusion during the diffraction of short waves by a convex cylinder with evenly varying curvature. Part 2. V. A. Fok, L. A. Vainshtein. Radiotekh. i elektron. 8 no. 3:383-370 Mr '63.

ELECTROMAGNETISM

Levich, V. G., and others. [Course in theoretical physics] Kurs teoreticheskoi fiziki. Moskva, Fizmatgiz.

Vol. 2. [Electromagnetic processes in matter. Quantum mechanics] Elektromagnitnye protsessy v veshchestve. Kvantovaya mekhanika. Pod red. V. G. Levicha, 1962. 619 p.

ELECTROMAGNETS

Electromagnetic agitation in making stainless steel in electric furnaces. E. I. Moshkevich, A. N. Porada, V. P. Akulov. Metallurg 8 no. 4:22-24 Ap '63.

Gonskii, G. V. [Eccentric load limiting device. High-speed d.c. electromagnet] Eksentricheskoyi ograni-chitel' gruzopod'emnosti. Bystrodel'stvenushchii elektromagnit postoiannogo toka. [By] A. I. Blumin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 11 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 28, No. T-57-16/6)

ELECTROMETALLURGY—BY-PRODUCTS

Composition of filtration residues. E. G. Safonova, E. I. Khazanov. Trudy Vost.-Sib. fil. AN SSSR no. 43:129-141 '62.

ELECTROMETER

Comparative evaluation of the effectiveness of some anesthetic substance in preparing the teeth for a non-removable prosthesis, based on electrometry data. A. A. Pochtarev. Probl. stom. 6:259-261 '62.

ELECTROMOGRAPHY see Electron Diffraction Apparatus

ELECTROMOTIVE FORCE

Electromotive force of galvanic cells with ion exchange membranes [with summary in English]. O. K. Stefanova and others. Vest. LGU 18 no. 4:93-98 '63.

Investigation of the reaction of oxygen with activated carbon by the method of contact potential difference. L. A. Fokina, N. A. Shumovakova, R. Kh. Burahteln. Kin. i kat. 4 no. 1:143-148 Ja-F '63.

ELECTRON BEAMS

Backward-wave electron-beam amplifier with additional modulation of the beam at double signal frequency. V. P. Martynov and others. Radiotekh. i elektron. 8 no. 3:524-527 Mr '63.

Use of the theory of a lone conductor in the analysis of electron-beam devices. I. U. A. Iurov. Izv. vys. ucheb. zav. radiotekh. 6 no. 1:15-23 Ja-F '63.

ELECTRON DIFFRACTION APPARATUS

Vainshtein, B. K., and Z. G. Plasker. [Electron diffraction camera for structural studies] Elektronograf dlia strukturnykh issledovaniy. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Poredovoi nauchno-tekhn. i proizvodstvennyi opyt. Tema 33, No. P-58-100/5)

ELECTRON MICROSCOPY

Electron microscope study of ore minerals. G. S. Gritsenko, K. E. Frolova. Geol. rud. mestorozh. 5 no. 1:84-88 Ja-F '63.

Electron microscopic examination of the differentiation of cartilage cells in regenerating bone. L. N. Mikhailova. Dokl. AN SSSR 149 no. 2:431-433 Mr '63.

Observation of crystal lattices in a EM-5 electron microscope. V. N. Vertsner, I. U. M. Vorona, G. S. Zhdanov. Opt. i spekt. 13 no. 4:605-607 O '62.

Storming the microcosm. I. Leonidov. Sov. Soluz no. 1: 40-43 '63.

ELECTRON OPTICS

Electrooptical methods for studying the ribosomes from Escherichia coli. E. I. Golub and others. Dokl. AN SSSR 140 no. 2:446-449 Mr '63.

Radiation from a charged particle flying parallel to the interface of an isotropic and an optically active medium. O. S. Morgellan. Izv. AN Arm. SSR. Ser. fiz. -mat. nauk 16 no. 1:111-117 '63.

ELECTRON-TUBE VOLTMETER

An electron-tube voltmeter. I. Stannaitis. Radio no. 12: 20, 31 D '62.

ELECTRON TUBES

Agadonov, D. S. [Calculation of the operating conditions of transmitting tubes] Raschet ekspluatatsionnykh rezhimov generatornykh lamp. Moskva, Gosenergoizdat, 1962. 223 p.

Breakdown of a vacuum gap during the transfer of conductive particles between electrodes. N. P. Olendzkaia. Radiotekh. i elektron. 8 no. 3:479-486 Mr '63.

Goncharov, L. A. [Electronic acceleration transducers] Elektronnye datchiki uskoreniia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31, No. P-58-60/10)

Kritchukova, L. A. [Wrapping and packaging of vacuum and transistor devices] Tara i upakovka elektrovakuumnykh i poluprovodnikovykh priborov. Leningrad, 1962. (Leningradskiy dom nauchno-tekhnicheskoi propagandy. Seriya: Tara i upakovka)

Potential savings in electron tubes. P. E. Koval'chuk, B. K. Abramov, I. U. F. Ivashchenko. Vest. sviazi 23 no. 3:16 Mr '63.

ELECTRONIC ANALOG COMPUTERS

Lakunin, N. B. [Power supply system of the MN-8 analog computer] Sistema pitaniia elektromodelirovshchey ustanovki MN-8. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 25 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40, No. P-58-108/4)

Periodizing attachments to analog computers. M. P. Rudnikskii, L. L. Bogatyrev. Izv. vys. ucheb. zav. i energ. 6 no. 2:42-44 F '63.

Possibility of automatically controlling the process of the burning out of carbon. V. P. Tsybmal. Izv. vys. ucheb. zav. i chern. met. 6 no. 2:156-164 '63.

ELECTRONIC APPARATUS AND APPLIANCES

Dorskii, G. M. [Pulse amplitude memorizing device] Zapomnashchii amplitud impul'sov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 13 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 38, No. P-57-45/3)

Let's get rid of these "oldsters" V. Pavlov. Ogonek 41 no. 2:23 Ja '63.

ELECTRONIC APPARATUS AND APPLIANCES—

ABSTRACTS

[Electronics and its applications] Ref. zhur. i elek. i ee prim. no. 4 Ap '63.

ELECTRONIC APPARATUS AND APPLIANCES—

QUALITY CONTROL

Evaluation of the reliability of a radio electronic system containing several similar subblocks. L. L. Barvinskii. Izv. vys. ucheb. zav. radiotekh. 6 no. 1:72-76 Ja-F '63.

ELECTRONIC CIRCUITS

Design of multichannel electronic switching circuits. L. A. Zhuk, B. N. Malinovskii. Avtom. i prib. no. 1:40-45 Ja-Mr '63.

ELECTRONIC COMPUTERS

The ABC of computers (to be continued). Tekh. mol. 31 no. 1:25 '63.

Bold thinking and diligence are a guarantee of interesting work in school. T. P. Komaryns'kyl. Rad. shk. 41 no. 1:90-99 Ja '63.

Concerning Rosenblatt's theorems and preception-type systems [with summary in English]. H. L. Otkhmen-zuri. Avtomatika 8 no. 1:16-23 '63.

Electronic computers. G. G. Ovsienikov. Avtom. i telem. i svyaz' 7 no. 2:16-22 F '63.

First All-Union Conference on Television and Electronic Computer Systems in Automation. Tekh. kino i telev. 7 no. 3:92-93 Mr '63.

Increase in the operational accuracy of a digital integrator based on the principle of a frequency divider [with summary in English]. B. O. Sigov. Avtomatika 8 no. 1:39-54 '63.

Kitov, A. I. [Electronic computing machines and programming] Elektronnye tsifrovye mashiny i programirovaniye. Moskva, Izd-vo fiziko-matem. lit-ry, 1962. 572 p. (DBC)

Make wider use of electronic computing techniques. K. Bagurmanov. Zhil. -kom. khoz. 13 no. 2:16-16 '63.

Mathematical theory of automata reliability [with summary in English]. A. A. Mullin. Avtomatika 8 no. 1: 24-27 '63.

Optimum strategy. S. I. Sobolev. Ogonek 40 no. 48: 17-18 N '62.

Postal service and computer technology aid industrial management. N. V. Belkin, V. I. Zayapkina. Vest. svyazi 23 no. 3:7-8 Mr '63.

The RESK-APF rotary dynamometer combined with an electronic computer. Kh. M. Raikhlina, I. V. Korobochkina. Sbor. trud. po agron. fiz. no. 10:229-246 '62.

"Ray" as an engineer's assistant. S. Pohrebny'skyl. Znan. ta pratsia no. 1:11 Ja '63.

Reference computations for preparing information for an electronic computer. I. U. A. Degtiarev. Geod. i kart. no. 2:37-39 F '63.

Samofalov, K. G. [Calculating machines] Vychislitel'nye ustroystva. Kiev, Gostekhzdat USSR, 1963. 262 p.

Solution of the problem of the motion of interacting particles of like charge in a "magnetic bottle" using an electronic computer. S. P. Lomnev. Dokl. AN SSSR 146 no. 6:1049-1052 F '63.

Terekhov, L. L. [Application of mathematical methods in economics] Primeneniye matematicheskikh metodov v ekonomike. Moskva, Gosstatizdat, 1962. 69 p.

Universal converter of the information presentation. A. I. Kondalev. Avtom. i prib. no. 1:27-32 Ja-Mr '63.

ELECTRONIC COMPUTERS—CIRCUITS

Network for coincidence of the presence or absence of two zero output potentials. M. V. Koval'skiy. Avtomatika 8 no. 1:58 '63.

ELECTRONIC COMPUTERS—CONGRESSES

Conference on the use of mathematical methods and electronic calculating machines in planning. Vop. ekon. no. 3:80-88 Mr '63.

ELECTRONIC COMPUTERS—INPUT-OUTPUT EQUIPMENT

Functional converter with digital output. A. I. Petrenko, M. I. Shlezinger. Izv. vys. ucheb. zav. i radiotekh. 6 no. 1:96-97 Ja-F '63.

ELECTRONIC COMPUTERS—MEMORY SYSTEMS

Study of transfluxors with four apertures. V. P. Krotenko. Avtomatika 8 no. 1:50-62 '63.

ELECTRONIC CONTROL

Automatic distribution system of combustion products among regenerators of an open-hearth furnace. A. L. Turbubner, V. N. Shenderovich. Avtom. i prib. no. 1: 8-12 Ja-Mr '63.

ELECTRONIC CONTROL (Continued)

- Automatic gas-pressure control systems in the working area of regenerative soaking pits. V. S. Kostogryzov, O. L. Tsygankov. *Avtom. i prib.* no. 1:15-21 Ja-Mr '63.
- Baranchuk, E. I. [Design and adjustment of electronic controllers] *Proektirovaniye i nastroyka elektronnykh regulirov.* Moskva, Mashgiz, 1963. 370 p.
- Closed system for automatic flame tongue reversing in regenerative soaking pits. B. G. Alekseev, A. F. Kravtsov, B. L. Poletaev. *Avtom. i prib.* no. 1:12-15 Ja-Mr '63.
- Device for automatic measurement of the output in thermostat systems of continuous furnaces for rolling mills. V. N. Astazurov and others. *Avtom. i prib.* no. 1:4-7 Ja-Mr '63.
- Krivitskii, B. Kh. [Automatic systems in radio apparatus] *Avtomaticheskie sistemy radiotekhnicheskikh ustroystv.* Moskva, Gosenergizdat, 1962. 664 p.
- Simple control of air flow. D. I. Makarov and others. *Avtom. i prib.* no. 1:24-26 Ja-Mr '63.

ELECTRONIC DATA PROCESSING

- How to adopt statistical reports to automatic data processing. I. A. Tsiplia. *Vest. stat.* no. 3:29-34 '63.

ELECTRONIC DIFFERENTIAL ANALYZERS

- Gol'denberg, L. M., ed. [Digital differential analyzer] *Tsifrovoye differentsial'nyi analizator; informatsionnyi sbornik.* Moskva, Svyaz'izdat, 1962. 109 p. (Tekhnika svyazi)
- Lenov, N. N., and G. M. Griaznov. [Electronic differential analyzer] *Elektronnyi differentsial'nyi analizator.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1959. 61 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40, No. P-58-43/2)

ELECTRONIC DIGITAL COMPUTERS

- Digital computer for the solution of gas-flow equation with automatic correction for pressure. G. M. Butaev, I. A. Luchitsker. *Avtom. i prib.* no. 1:45-49 Ja-Mr '63.
- Dolomileva, V. O., and V. O. Savanchuk. [High-speed electronic digital computers] *Sbryd'kodirovannyye elektronnyye obchyslyval'niye mashiny; posibnyk dlia vchyteliv.* Kyiv, Radiants'ka shkola, 1962. 203 p. (Biblioteka vchyteliv matematiky)
- Indicator device for the output of computation results from a machine. V. I. Bybak, L. N. Shishonok. *Avtom. i prib.* no. 1:37-40 Ja-Mr '63.
- Number of levels and quantization interval in discrete representation of a weak signal in noise. L. I. Filippov. *Radiotekh. i elektron.* 8 no. 3:497-499 Mr '63.

ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING

- Using diode matrices for the calculation of the functions of one variable. I. U. P. Bobranitskii. *Avtom. i prib.* no. 1:49-52 Ja-Mr '63.

ELECTRONIC INSTRUMENTS

- Etingof, M. I. [ET-4-55 strain-measuring amplifier. KT-1 quartz tachometer] *Tenzometricheskii usilitel' tipa ET-4-55. Kvartsovyye takhometr KT-1.* [By] G. L. Ljudin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31, No. P-58-29/5)
- Mozniker, R. A. [Loading-cycle counter. Three-component device for measuring cutting-force constituents up to 10 tons] *Schetchik tsiklov nagruzheniia. Trekhkomponentnyi pribor dlia izmereniia sostavliaiushchikh sil rezaniia do 10 t.* [By] I. F. Neishtadt. Moskva, in-t tekhniko-ekon. informatsii, 1956. 13 p. (Pribory i stendy. Tema 2, No. P-58-40/2)
- Obnovlenskii, P. A., and others. [Automatic control of a double microscope. Automatic device for checking rollers] *Avtomatizatsiia dvoynogo mikroskopa. Avtomat dlia kontrolya valkov.* [By] A. I. Khotil'in, N. F. Papazov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21, No. P-58-145/5)
- Odintsov, M. D. [Sonic-frequency phase meter. Reverberation absorption meter] *Fazometr zvukovykh chastot. Reverberatsionnyi izmeritel' pogloshcheniia.* [By] S. A. Boldek. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 18 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 38, No. P-58-145/4)

- Petrov, L. V. [2TSU-2 strain-measuring unit] *Tenzometricheskaya stantsiia 2TSU-2.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31, No. P-58-107/12)
- Shteinberg, A. L. [UPE-1 unit] *Ustanovka UPE-1.* Moskva, Filial Vses. in-ta nauchno-tekhn. informatsii, 1958. 8 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34, No. P-58-84/10)

- Vasil'eva, R. V. [Vibrating stands for calibrating vibrometers and accelerometers in a wide frequency range] *Vibrostandy dlia tarirovki vibrometrov i akselerometrov v shirokom diapazone chastot.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31, No. P-58-14/2)

ELECTRONIC MEASUREMENTS

- Equipment for automatic measurement of fuel consumption by weight. V. P. Lukachev, V. R. Stukanov. *Avi. prom.* 29 no. 3:31-32 Mr '63.
- Multichannel program switch with a low parasitic thermal e.m.f. A. V. Golubev. *Mat. k uchi. o merz. zon. zem. kory* no. 8:152-159 '62.
- Protopopov, S. P. [Electronic device for determining residual austenite in steel] *Elektronnyi pribor dlia opredeleniia ostatocnogo austenita v stali.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33, No. P-58-92/4)
- Utiaymysh, R. I. [Highly stable electronic IV-2S microsecond meter with quartz stabilization and the IG-1 device for checking and calibrating precision-type electronic microsecond and millisecond meters] *Vysokostabil'nyi elektronnyi mikrosekundomer IV-2S s kvartsevoi stabilizatsiei i pribor IG-1 dlia proverki i kalibrovki tochnykh elektronnykh mikro- i millisekundomerov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 28 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31, No. P-58-37/7)
- Voronkov, A. E., and others. [High speed multichannel pulse height analyzer] *Bystrodelstvuiushchii mnogokanal'nyi amplitudnyi analizator.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 63 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41, No. P-57-16/1)

ELECTRONIC TECHNICIANS—EDUCATION AND TRAINING

- Radio electronics laboratory. M. Vedernikov, M. Prizhko, L. Shevchenko. *Prof.-tekhn. obr.* 29 no. 3:6-7 Mr '63.

ELECTRONICS

- Khidekel, A. V. [It was invented in Kiev] *Adresa vynakhodu - Kyiv.* [Kyiv] Kyiv'ske oblasne knyzhkovogazetne vyd-vo, 1962. 58 p.
- Smirnov, B. V. [Principles of electronics and telecommunication engineering] *Osnovy elektroniki i tekhniky svyazi.* Moskva, Sel'khozizdat, 1962. 406 p.

ELECTRONICS—ABSTRACTS

- [Electronics and its applications] *Ref. zhur. : Elek.* 1 ee prin. no. 4 Ap '63.

ELECTRONICS IN NAVIGATION

- Artamonov, V. M. [Electronic and automatic control on ships and in airborne radar systems] *Elektronno-avtomatika sudovykh i samoletnykh radiolokatsionnykh stantsei.* Leningrad, Sudpromgiz, 1962. 362 p.

ELECTRONS

- Allowing for distortion of the incident s-wave in the ionization of hydrogen atoms by electrons. V. I. A. Veldre, R. K. Peterkop. *Opt. i spekt.* 13 no. 4: 461-464 O '62.
- Collisions between electrons and hydrogen atoms taking strong bonding and exchange into account. R. I. A. Damburg, R. K. Peterkop. *Opt. i spekt.* 13 no. 4: 587-598 O '62.
- Crystallization from the gas phase by a chemical bond. E. I. Givargizov. *Dokl. AN SSSR* 149 no. 2:360-362 Mr '63.
- Electron paramagnetic resonance spectrum of a hydrated electron in irradiated frozen alkaline solutions. B. G. Ershov and others. *Dokl. AN SSSR* 149 no. 2:363-366 Mr '63.
- Ionization loss of energy by fast electrons in thin films. A. I. Alkhordan and others. *Zhur. eksp. i teor. fiz.* 44 no. 3:1122-1124 Mr '63.
- Scintillation spectrometer for studying the spectral angular distributions of electron bremsstrahlung. G. A. Cherevatenko, A. V. Larichev. *Vop. doz. i zashch. ot izluch.* no. 1:125-130 '62.
- Use of a 6.5 Mev. microtron for electron injection into a synchrotron. K. A. Belovintsev and others. *Atom. energ.* 14 no. 4:359-363 Ap '63.

ELECTRONS—SCATTERING

- Coulomb collisions of fast electrons in a polarizing medium [with summary in English]. V. M. Lenchenko. *Zhur. eksp. i teor. fiz.* 44 no. 3:899-902 Mr '63.
- Electron scattering in an external field with large momentum transfer [with summary in English]. S. I. A. Guzenko. *Zhur. eksp. i teor. fiz.* 44 no. 3:1093-1098 Mr '63.

ELECTRONS—SPECTRA

- Experimental study of the energy spectra of electrons emitted by a yttrium oxide cathode in strong electrical fields. V. N. Lutsik, M. I. Elinson. *Radiotekh. i elektron.* 8 no. 3:457-470 Mr '63.

ELECTROOSMOSIS

- Electroosmotic movement of highly concentrated LiCl solutions. B. P. Konstantinov, V. P. Troshin. *Zhur. prikl. khim.* 36 no. 2:447-449 F '63.

ELECTROPHORESIS

- Compound treatment of hemorrhagic encephalitis with ionophoresis of the upper cervical ganglion. Z. M. Salceva. *Azerb. med. zhur.* 40 no. 1:10-16 Ja '63.

ELECTROPHYSIOLOGY

- Development of "spontaneous" bioelectric activity in the sympathetic ganglia of the cat in ontogenesis. A. I. Selivra. *Dokl. AN SSSR* 148 no. 6:1425-1427 F '63.
- Miniature potentials of the end plate and their role in the neuromuscular transmission. I. M. Gingsulova, E. A. Liberman. *Usp. bovr. biol.* 55 no. 1:66-86 Ja-F '63.

ELECTROPLATING

- Advanced methods of electroplating. T. I. Zekhanov. *Mashinostroitel'* no. 2:43-44 F '63.
- Cathodic polarization during the electrolytic deposition of a lead-tin alloy. V. I. Lainer. *Uch. TShu-zhurn.* [Uch. TShu-jan]. *Zhur. prikl. khim.* 36 no. 2:350-356 F '63.
- Chebotareva, I. I., and N. S. Sidelnikova. [Introducing the industrial use of electroplated coatings of the nickel alloys] *Opyt proizvodstvennogo vnedreniia gal'vanicheskogo pokrytiia splavov olovo-nikel'. Leningrad, 1962.* 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Zashchitnye pokrytiia metallov, no. 9)
- Gol'dshein, M. E. [Electrodeposition of nickel-phosphorus alloys] *Elektroliticheskoe osazhdeniye splava nikel - fosfor.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13, No. M-58-132/14)
- Mechanism of surface leveling in the electrodeposition of metals. S. S. Kruglikov and others. *Dokl. AN SSSR* 149 no. 4:911-914 Ap '63.
- Nikandrova, L. I., and others. [Analysis of electrolytes and solutions for electroplating and chemical coatings] *Analiz elektrolitov i rastvorov; dlia gal'vanicheskikh i khimicheskikh pokrytii.* Leningrad, Goskhimizdat, 1963. 310 p.

- [Protection of metals from corrosion; wear-resistant, finishing, and decorative coatings] *Zashchita metallov ot korrozii, iznosostoiika, otdeiochnye i dekorativnye pokrytiia.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii.

- Nos. 1-8, 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13, Nos. M-58-19/2, M-58-80/6, M-58-85/8, M-58-86/9, M-58-100/9, M-58-100/10, M-58-257/26, M-58-262/27)

ELECTROPLATING—EQUIPMENT AND SUPPLIES

- Automatic temperature regulation of electroplating bath. P. E. Kurov. *Mashinostroitel'* no. 2:14-16 F '63.

ELECTROSTATICS

- Lecture demonstration of ponderomotor forces in electrostatics with the aid of a soap bubble. L. N. Kaplunov. *Usp. fiz. nauk* 79 no. 4:741-742 Ap '63.
- Measurement of the electrostatic field strength on the surface of geophysical rockets. I. M. Imantov, G. I. Gdalevich, I. A. M. Shvarts. *Dokl. AN SSSR* 148 no. 6: 1306-1308 F '63.

ELECTROSURGERY

- Use of diathermy coagulation in the treatment of hypertrophic gingivitis in parodontosis. L. O. Novik, E. V. Levitskaya, E. V. Udovitskaya. *Probl. stom.* 4:89-102 '62.

ELEMENTARY EDUCATION see Education, Elementary

ELEOSTEARIC ACID

- Unsaturated acids and macrocyclic lactones. Report No. 9; Preparation of conjugated polyenoic fatty acids via Wittig reaction, and the synthesis of a eleostearic acid. L. D. Borgolton and others. *Izv. AN SSSR, Khim. khim. nauk* no. 4:663-667 Ap '63.

EMBANKMENTS

- Stability of sand embankments in connection with vibrations caused by rail and vehicular traffic. V. A. Ershov. *Sbor. nauch. trud. LSI* no. 37:76-94 '63.

EMBEZZLEMENT

- Crabs as embezzlers of public property. T. Alrapietian. *Ogonok* 40 no. 49:30-31 D '62.
- Panoles; feuilleton. I. Kostikov. *Ogonok* 41 no. 6:22-23 F '63.

EMBRYOLOGY see subdivision under Astrakhan

EMBRYOLOGY—AMPHIBIA

- Primary embryonic induction in Amphibia. S. Teitonen. *Usp. bovr. biol.* 55 no. 1:87-108 Ja-F '63.
- Role of the excretory system in the development of Muller's canal in Anura. D. A. Potomkina. *Dokl. AN SSSR* 148 no. 6:1426-1430 F '63.

EMBRYOLOGY—BIRDS

- Change in the activity of egg albumin lysozyme in the process of embryogeny. D. F. Pletsitsy, V. G. Krasnianskaya. *Dokl. AN SSSR* 149 no. 2:478-480 Mr '63.
- Development of frequency characteristics of heart activity in chickens as a sign of the biological adaptation in embryogeny. T. P. Blinkova, O. V. Bogdanov. *Dokl. AN SSSR* 149 no. 4:886-890 Ap '63.

EMBRYOLOGY—INVERTEBRATES

Ioff, N. A. [A course in the embryology of invertebrates] Kurs embriologii bespozvonochnykh. Pod red. L. V. Belousova. Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 265 p.

EMBRYOLOGY, EXPERIMENTAL

Development of slime fungi and some problems of experimental embryology. L. V. Belousov, E. B. Vsevolodov, V. A. Golichenkov. Usp. sov. biol. 55 no. 1:109-117 Ja-F '63.

EMISSION, SECONDARY ELECTRON see Secondary electron emission

EMOTIONS

Strong emotional upset as a mitigating circumstance. G. M. Felinskaya. Prk. sud. med. psikh. ekspert. no. 7: 70-74 '62.

EMPLOYEE RECREATION see Industrial recreation

EMPLOYEE SUGGESTIONS see Suggestion systems

EMPLOYEES, DISMISSAL OF

How we try to eliminate the unlawful discharge of employees. V. Kalinov. Sov. iust. no. 7:23-24 Ap '63. Prompted by life. L. Levitin. Sots. zakon. 38 no. 10: 53-55 O '62.

EMPLOYEES, TRAINING OF

People are the most important factor. B. Usanov. Komsoz. zhizn' no. 13:7-8 Ji '62.

EMPLOYEES' VACATIONS see Vacations, Employee

EMPLOYERS' LIABILITY

How we examine the requests for compensation for work injuries. I. A. Usov, K. Solovetichik. Sov. iust. no. 6:23 Mr '63.

We answer readers' questions. L. Reznik. Neftnik 7 no. 7:32-34 Ji '62.

EMULSIONS

Causes of accidents with electrical petroleum dehydrators. V. A. Rozhdetsvenskii. Bezop. truda v prom. 7 no. 3:15-16 Mr '63.

Evaluation of the quality of petroleum demulsification. I. D. Sadykhov, I. A. M. Frankfurt, N. D. Abdullaev. Azerb. khim. zhur. no. 2:50-64 '62.

Moscow, Institut narodnogo khoz. nauch. [Using ultrasonic techniques for the formation of emulsions; practical work in physics] Polucheniye omul'sii pri pomoshchi ul'trazvuka; praktikum po fizike. Pod red. Shushpanova, P. I. Moskva, No. 20, 1962, 17 p.

[MICROFILM]

Structure formation in interphase adsorption layers of dissolved surface-active substances and the stability of emulsions and aqueous dispersions of polymers (latexes). S. A. Nikitina and others. Dokl. AN SSSR 149 no. 4:905-908 Ap '63.

EMULSIONS, PHOTOGRAPHIC see Photographic emulsions

ENAMEL AND ENAMELING

The color of titanium enamels. V. V. Vargin, V. I. A. Senderovich. Stek. i ker. 20 no. 4:23-25 Ap '63.

Effect of the composition and the continuity of a joint metal on the quality of an enamel coating. D. G. Nikitin, K. V. Lyubavskii, Svar. protzv. no. 3:4-8 Mr '63.

Enamels made with a rutile concentrate. G. I. Bellaev, S. I. Blekh. Stek. i ker. 20 no. 4:26-27 Ap '63.

ENBEKSHI-KAZAKHISKIY DISTRICT—BOOKSELLERS AND BOOKSELLING

Good initiative but what is its economic effect? A. Stekachev. Koop. Kazakh. 5 no. 1:48-49 Ja '63.

ENCEPHALITIS

Clinical aspect of residual states following parainfectious encephalitis in children and adolescents. K. A. Semenova. Probl. sud. psikh. 11:101-105 '61.

ENCYCLOPEDIAS AND DICTIONARIES, LITHUANIAN

[Lithuanian encyclopedia] Lietuviu enciklopedija, [Boston] Lietuviu enciklopedijos leidykla, [In Lithuanian] Vol. 26. Skara - Stoska, [1963] 544 p.

ENDOCARDITIS

Combined treatment of protracted septic endocarditis [with summary in English]. R. A. Ilyusov. Vop. revm. 1 no. 4:52-57 O-D '61.

ENDOCRINE GLANDS

Morphological dynamics of internal secretion in the process of immunogenesis. I. A. L. Rapoport, I. I. Pivkai. Dokl. AN SSSR 148 no. 5:1224-1227 F '63.

ENDOLYMPHATIC HYDROPS see Möncke's disease

ENGELS, FRIEDRICH, 1820-1895

A letter to the editor. G. D. Obichkin. Vop. filos. 17 no. 3:179 '63.

ENGINEERING—STUDY AND TEACHING

Building materials course should be put on a solid theoretical basis. G. I. Cherkasov. Vest. vys. shkoly 21 no. 4:75-76 Ap '63.

Engineers must have a perfect knowledge of mathematical apparatus. G. A. Nikolaev, D. A. Pospelov. Vest. vys. shkoly 21 no. 4:52-56 Ap '63.

Profession of an engineer administrator. A. I. A. Zaplapnyi, V. D. Petunov. Vest. vys. shkoly 21 no. 4:57-59 Ap '63.

ENGINEERING—TOOLS AND IMPLEMENTS

Moscow, Vsesoluznyi nauchno-issledovatel'skii instrumental'nyi institut. [Investigation of imported litters and assembly tools] Issledovanie importnogo stesarnomontazhnogo instrumenta. Pod red. V. P. Pribylova. Moskva, 1962, 50 p.

[MICROFILM]

ENGINEERING GEOLOGY see subdivision under Amur Valley

ENGINEERING GEOLOGY—MAPS

Conference on the problems of mapping for purposes of engineering geology and zoning. G. A. Golodkovskaya. Sov. geol. 6 no. 3:161-165 Mr '63.

ENGINEERING INSTRUMENTS—TESTING

Gordienko, P. L., and others. [Laboratory equipment for measuring friction force moments in the supports of apparatus. Device for testing the impact hardness of ice in field conditions] Laboratornaya ustanovka dlia izmereniia momentov sil trenia v oporakh priborov. Ustroistvo dlia ispytaniia udarnoi tverdsti l'da v polevykh usloviakh. [By] Kh. N. Doment'ev. Moskva, Filial Vses. in-ta nauch. i tekhn. informatsii, 1958. 11 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32, No. P-58-33/0)

ENGINEERING LIBRARIES

Private library of an engineer. T. Vvedenskii. V mire knig 3 no. 3:42-43 Mr '63.

ENGINEERING MODELS

Pokhozhaev, V. D. [Experience with three-dimensional models in the design of complex industrial units] Opyt primeneniia dvumernykh maketirovaniia pri proektirovanii slozhnykh promyshlennykh komplektov. Leningrad, 1962, 6 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Ekonomika i organizatsiia proizvodstva, no. 5)

Using models to study gravitational stresses in structures on a nonhomogeneous foundation. G. L. Khesin. Izv. vys. ucheb. zav. i stroit. i arkhit. 6 no. 1:83-86 '63.

ENGINEERING RESEARCH

In the Department of Technology. Vest. AN SSSR 33 no. 3:54-58 Mr '63.

ENGINEERS

(see also subdivision under Leningrad)

A diploma in engineering is a creator's identification. G. Kelln. Tekh. mol. 31 no. 3:14-17 '63.

Discussion should be continued. A. Marchenko. NTO 5 no. 2:6-9 F '63.

Duty and honor. P. Sapov. NTO 5 no. 2:6-9 F '63.

Follow the example of outstanding engineers. V. Tsarenko. NTO 5 no. 2:8 F '63.

Work in the communist way. V. Solovskoi, V. Vainov, IU. Zelenkin. NTO 5 no. 2:9 F '63.

ENGINES

Automatic rotary swaging machine for valve stems of engines. V. I. Lyubvin, I. N. Kosenko. Trakt. i sel'-khoz. mash. 33 no. 1:37-39 Ja '63.

ENGLISH LANGUAGE—AUDIO-VISUAL AIDS

Laboratory of audio-visual aids. M. I. A. Farberman. Sred. shkol. obr. 10 no. 2:44-47 F '63.

ENGLISH LANGUAGE—DICTIONARIES—RUSSIAN

Favorov, P. A., A. S. Bondarenko, and L. N. Shuklin, comps. [English-Russian dictionary on submarines and antisubmarine defense] Anglo-russkii slovar' po podvodnym lodkam i protivolodochnoi oborone. Pod red. A. I. Rodionova. Moskva, Voenizdat, 1963, 260 p.

Gurarii, M. G., and S. S. Iofe, comps. [English-Russian dictionary on plastics] Anglo-russkii slovar' po plastmassam. Pod red. L. M. Pesina. Moskva, Glav. red. inostr. nauchno-tekhn. slovarnei Fizmatgiz, 1963, 144 p.

ENGLISH LANGUAGE—GRAMMAR

Practical study of grammar in the teaching of a foreign language by the oral method. O. I. Vyshevs'kiy. Rad. shkol. 41 no. 2:76-82 F '63.

ENGLISH LANGUAGE—STUDY AND TEACHING

English club. V. Ilesht. Sov. Soluz no. 10:36-39 '62.

ENSEMBLES (MUSIC)

(see also subdivision under Gdov District; Moscow; Uzbekistan)

"Berezka" among palm trees. Sov. Soluz no. 12:48-49 '62.

ENSLAGE—TRANSPORTATION

Use of electrically powered machinery for hauling silage out of pits and trenches. V. A. Zuev, I. O. Smol'ko. Nauch. trudy VIESKH 11:66-80 '62.

ENTERIC FEVER see Typhoid fever

ENTIRE FUNCTIONS see Functions, Entire

ENTROPY

Effect of temperature on entropy change in chemical reactions. V. A. Kireev. Zhur. ob. khim. 33 no. 3: 724-728 Mr '63.

Entropy of systems containing scarcely distinguishable components. IU. S. Varshavskii, A. B. Sheinin. Dokl. AN SSSR 148 no. 5:1099-1101 F '63.

Order of ϵ -entropy growth on certain compact classes of functions. IU. A. Brudnyi, B. D. Kotliar. Dokl. AN SSSR 148 no. 5:1001-1004 F '63.

Principle of the increase of entropy and the quantum theory of relaxation. V. M. Fain. Usp. fiz. nauk 79 no. 4:641-690 Ap '63.

ENZYMES

Enzyme activity in the complete ripening of cottonseed. A. Mansurova. Vop. biol. i kruev. med. no. 3:111-114 '62.

"Enzymes in industry" by A. S. Tsyperovich. Reviewed by A. A. Imshenetskiy. Mikrobiologiya 31 no. 6:1120-1130 N-D '62.

Histochemical study of a series of oxidative enzymes in the process of "spontaneous" malignant transformation of fibroblasts in tissue cultures. N. T. Roikhlin, N. S. Staroverova. Tsitologiya 4 no. 3:280-285 My-Je '62.

Kinetic characteristics of the activity suppression in enzymes of the succinic oxidase system by the inhibitors of radical processes. I. I. Pelevina and others. Dokl. AN SSSR 148 no. 6:1406-1411 F '63.

Symposium on the problem of pyridoxal catalysis. A. E. Braushteln. Vest. AN SSSR 33 no. 3:119-121 Mr '63.

EPIC POETRY

Language and style of "The lay of the host of Igor." S. P. Pinchuk. Ukr. mova v shkoli 13 no. 1:18-27 Ja-F '63.

EPIC POETRY, KARA-KALPAK

Saghtov, I. T. [Kara-Kalpak heroic epic] Karakalpakskii gerolicheskii epos. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962, 105 p.

EPIDEMIOLOGY—CONGRESSES

Interinstitutional conference on the epidemiology and hygiene of populated areas (Baku, from May 20 to June 1, 1962). D. F. Medzidov. Azerb. med. zhur. 40 no. 1: 79-85 Ja '63.

EPIDERMIS

Histologic changes in chicken epidermis in reparative regeneration. L. B. Berlin, M. L. Kamenskaya. Dokl. AN SSSR 149 no. 2:420-430 Mr '63.

EPILEPSY

Clinical aspects and the course of epileptiform syndromes (diencephalic variant) of posttraumatic origin and their forensic psychiatric evaluation. IU. A. Shapkin. Probl. sud. psikh. 11:64-80 '61.

Correlation between the bioelectric activity of the brain and the interaction of the analyzers in epileptic patients. IU. G. Gaponova. Probl. sud. psikh. 11:196-209 '61.

EPITHELIUM

Effect of a leucocyte serum on the mitotic activity of the cryptal epithelium of the small intestine. A. V. Abuladze. Dokl. AN SSSR 148 no. 4:957-958 Ap '63.

Process of excitation in the epithelial tissues and cells. I. E. Kamnev, L. F. Gordeeva. Tsitologiya 4 no. 3: 347-353 My-Je '62.

EQUATIONS

Nonlinear equations with uniformly concave operators. I. A. Bakhtin. Sib. mat. zhur. 4 no. 2:268-286 Mr-Ap '63.

Solution of systems of equations with one unknown in free groups. A. A. Lorents. Dokl. AN SSSR 148 no. 6:1253-1256 F '63.

EQUATIONS, INDETERMINATE see Diophantine analysis

EQUATIONS, LINEAR see Linear equations

EQUATIONS, ROOTS OF

Critical case of a pair of purely imaginary roots for systems with residual effect (special case). S. N. Shimanov. Sib. mat. zhur. 4 no. 2:457-470 Mr-Ap '63.

ERBIUM—ELECTRIC PROPERTIES

Temperature dependence of the electroconductivity and Hall effect in dysprosium and erbium [with summary in English]. N. V. Volkenshtein, G. V. Fedorov. Zhur. eksp. i teor. fiz. 44 no. 3:825-831 Mr '63.

- ERLANG TRAFFIC FORMULA** see Queueing theory
- EROSION**
(see also subdivision under Akbura Valley; Angara Valley; Pavlodar Province)
Esenaliev, Siinal. [Measures for preventing washout within the irrigation system of a farm] *Meropriiatii po predotvrashcheniio razmyva vnutrikhosialstvennoi orostel'noi seti*. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 67 p.
(DNAL)
- ERRORS, THEORY OF**
Asymptotic optimality of group and systematic codes for some channels [with summary in English]. R. L. Dobrushin. *Teor. veroiat. i ee prim.* 8 no. 1:52-66 '63.
- ERSATZ** see Substitute products
- ERYTHROBLASTOSIS FETALIS**
Dynamics of the qualitative erythrocyte content in hemolytic disease of the newborn. Vop. biofiz., biokhim. i pat. erit. no. 2:306-312 '61.
- ERYTHROCYTES**
Accumulation of methemoglobin in irradiated erythrocytes. V. P. Makarov, B. G. Kovrov. Vop. biofiz., biokhim. i pat. erit. no. 2:125-128 '61.
Acid resistance of erythrocytes in various gastric diseases. L. S. Solov'eva. Vop. biofiz., biokhim. i pat. erit. no. 2:238-239 '61.
Changes in erythrocyte resistance in artificial blood circulation. V. P. Makarov, A. L. Mikaelian, I. I. Evnina. Vop. biofiz., biokhim. i pat. erit. no. 2:298-305 '61.
Changes in the state of irradiated and nonirradiated erythrocytes stored under different temperatures. V. P. Makarov, N. B. Khripach. Vop. biofiz., biokhim. i pat. erit. no. 2:129-135 '61.
Characteristics and mechanism of the changes in the erythrocytes in various allergy periods. Vop. biofiz., biokhim. i pat. erit. no. 2:163-168 '61.
Clinical use of the acid erythrogram method in post-hemorrhagic anemias. B. S. Grakov. Vop. biofiz., biokhim. i pat. erit. no. 2:234-252 '61.
Decrease in the peroxidase activity of human hemoglobin in the erythrocytes with reduced osmotic resistance. G. S. Kovrov, V. P. Makarov. Vop. biofiz., biokhim. i pat. erit. no. 2:214-219 '61.
Determining by spectrophotometric methods the concentration of hemoglobin and its derivatives in an erythrocyte suspension. I. A. Terskov, F. I. A. Sid'ko. Vop. biofiz., biokhim. i pat. erit. no. 2:94-106 '61.
Different erythrocyte populations in some anemic states. A. I. Vorob'ev, M. D. Brilliant. Vop. biofiz., biokhim. i pat. erit. no. 2:226-233 '61.
Distribution of erythrocytes according to their resistance in equilibrium or nonequilibrium of the erythron. I. A. Terskov, I. I. Gitel'zon. Vop. biofiz., biokhim. i pat. erit. no. 2:11-29 '61.
Dynamics of the qualitative erythrocyte content in hemolytic disease of the newborn. Vop. biofiz., biokhim. i pat. erit. no. 2:306-312 '61.
Effect of blood plasma and the gaseous medium on the development of radiation aftereffects in preserved erythrocytes. V. P. Makarov, N. B. Khripach. Vop. biofiz., biokhim. i pat. erit. no. 2:136-145 '61.
"Erythrocyte balance under normal and pathological conditions" by E. N. Mesagina. Reviewed by L. I. Irzhak. *Usp. sovr. biol.* 55 no. 1:141-143 Ja-F '63.
Factors influencing the resistance of the erythrocytes in a vascular channel. I. I. Gitel'zon, I. A. Terskov. Vop. biofiz., biokhim. i pat. erit. no. 2:169-213 '61.
Fractionation of erythrocytes according to their age characteristics. M. D. Brilliant, A. I. Vorob'ev. Vop. biofiz., biokhim. i pat. erit. no. 2:62-64 '61.
Immune resistance of erythrocytes. V. T. Postova, I. I. Gitel'zon, I. A. Terskov. Vop. biofiz., biokhim. i pat. erit. no. 2:153-162 '61.
Regularities in the distribution of erythrocytes according to their resistance to various hemolytics. I. I. Gitel'zon, I. A. Terskov. Vop. biofiz., biokhim. i pat. erit. no. 2:30-61 '61.
Scattering of light in an erythrocyte suspension. I. A. Terskov, F. I. A. Sid'ko. Vop. biofiz., biokhim. i pat. erit. no. 2:77-93 '61.
Study of clinical erythrographic parallels. B. S. Grakov. Vop. biofiz., biokhim. i pat. erit. no. 2:253-268 '61.
- ERYTHROPOIETIN**
Iaroshevskii, A. I. A. [Endogenous stimulants of hemopoiesis (erythropoietins)] *Endogennye stimulatory krovotvoreniia; eritropoietiny*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 100 p.
- ESCHERICHIA COLI**
Electrooptical methods for studying the ribosomes from *Escherichia coli*. E. I. Golub and others. *Dokl. AN SSSR* 149 no. 2:446-449 Mr '63.
Treatment of coli-enteritis patients. V. D. Zhitar'. *Trudy Kish. gos. med. inst.* 13:99-104 '60.
- ESCULETTIN**
Series of pyran, its analogs, and related compounds. Part 2: Dialkylaminomethylation of esculetin and 4-methylesculetin. V. A. Zagorevskii, D. A. Zykov. *Zhur. ob. khim.* 33 no. 3:783-797 Mr '63.
- ESKIMOS**
Charged with murder [translated from the English]. Farley Mowat. *Vokrug sveta* no. 3:10-14 Mr '63.
- ESOPHAGUS—EXPLORATION**
Instruments for manipulations within the esophagus. B. S. Preobrazhenskii and others. *Vest. otorin.* no. 4: 92-95 '62.
- ESOPHAGUS—SURGERY**
Operation of ectramucous esophagomyotomy by the Heller-Petrovskii method in esophagospasm. M. E. Fridman. *Sov. zdrav. Kir.* no. 1:59-61 Ja-F '63.
- ESOPHAGUS—WOUNDS AND INJURIES**
New method of treatment of burns and scars of esophageal stenosis. M. G. Zagarskikh. *Trudy Kish. gos. med. inst.* 13:11-15 '60.
- ESTERIFICATION**
Reactions of aromatic nitro compounds. Part 15: Re-esterification of alkyl esters of nitronaphthols. S. S. Glits, A. I. Glaz. *Zhur. ob. khim.* 33 no. 3:902-904 Mr '63.
Re-esterification of neutral phosphites and phosphinites. K. A. Petrov and others. *Zhur. ob. khim.* 33 no. 3: 889-901 Mr '63.
- ESTERS**
Cathodic hydrodimerization of esters of α, β -unsaturated acids. A. P. Tomilov, L. V. Kaahak. *Zhur. ob. khim.* 33 no. 3:731-734 Mr '63.
Determining the ester content of vodka and alcohols. G. L. Oshman, A. V. Savina. *Spiri. prom.* 29 no. 2: 14-17 '63.
Glycopeptides. Report No. 5: Stability of the ester bond of O-aminoacyl derivatives of glucose. N. K. Kochetkov, V. A. Derevitskaia, L. M. Likhoshershtov. *Izv. AN SSSR. Otd. khim. nauk* no. 4:688-695 Ap '63.
Nature of conjugation in esters of azodicarboxylic acid. A. P. Tomilov, I. G. Savast'anova, S. S. Dubov. *Zhur. ob. khim.* 33 no. 3:865-867 Mr '63.
Reactions of diazoacetic ester with phosphorous acid and its esters. B. A. Arbuzov, A. O. Visel'. *Izv. AN SSSR. Otd. khim. nauk* no. 4:749-750 Ap '63.
- ESTONIA—DESCRIPTION AND TRAVEL**
Brak, E. [Tourist trips in Estonia] *Matkates mooda Eesti*. Tallinn, Eesti Riiklik Kirjastus, 1960. 30 p. [Parallel texts in Estonian and Russian]
- ESTONIA—FISHERIES—TECHNOLOGICAL INNOVATIONS**
Work of efficiency promoting fishermen of Estonia. V. I. A. Votshchevskii. *Ryb. khoz.* 39 no. 3:79-81 '63.
- ESTONIA—FOREST MANAGEMENT**
Eesti NSV Teaduste Akadeemia, *Zoologia ja Botaanika Instituut*. [Forest management on relatively rich soils] *Salumetsade majandamise küsimusi*. Tartu, 1962. 180 p. [In Estonian with summaries in Russian and German]
(DNAL)
- ESTONIA—HEALTH EDUCATION**
Serious and necessary things should be discussed in a lively and fascinating way. I. Moskvin. *Sov. Kras. krest* 12 no. 5:31 S-O '62.
- ESTONIA—HISTORY**
"History of the Estonian S.S.R. in three volumes." Vol. 1. Reviewed by N. I. Pavlenko, V. T. Pashuto, V. K. Latsunskii. *Vop. ist.* 38 no. 3:132-138 Mr '63.
- ESTONIA—OPEN-AIR SCHOOLS**
School in the fresh air. Ila Borutskai. *Zdorov'e* 9 no. 2:16-17 F '63.
- ESTONIA—RETAIL TRADE**
The key to success. V. Karu. *Sov. poireb. koop.* 7 no. 4:22-24 Ap '63.
- ESTONIA—TUBERCULOSIS**
School in the fresh air. Ila Borutskai. *Zdorov'e* 9 no. 2:16-17 F '63.
- ESTONIA—VOCATIONAL EDUCATION**
Four years along the new path. Kh. Lauri. *Sred. apets. obr.* 10 no. 2:1-5 F '63.
- ESTONIA—WAGES—MACHINERY INDUSTRY WORKERS**
Planning wages based on the average grade. E. Fominykh. *Sots. trud* 6 no. 3:133-134 Mr '63.
- ESTONIA—WAR CRIME TRIALS**
Juriste, Juhon, defendant. [The 12,000 materials from the Tartu trial of the fascist murderers Juhon Juriste, Karl Linnaas, and Ervin Viks, January 16-20, 1962. Translated from the Estonian] 12,000; materialy sudbnogo protsesssa nad fashistskimi ubitsami Iukhanom Iuriste, Karlom Linnaasom i Ervinom Viksom v Tartu 16-20 ianvaria 1962 god. Tallinn, Estonskoe gos. izd-vo, 1962. 243 p.
- ESTROGENS**
Radiographic analysis of the mitotic cycle and kinetics of a cell population in the epithelium of uterus in mice. O. I. Epifanova. *Dokl. AN SSSR* 149 no. 2:424-427 Mr '63.
- ETHANEDIOL**
Vinyl formate and ethyldiene diformate. E. N. Kostovskii, A. N. Barinova. *Zhur. ob. khim.* 33 no. 3:823-830 Mr '63.
- ETHANOL**
On 2-bromoethyl ester of benzoic acid. D. V. Toffe, G. I. Kuznetsov. *Zhur. ob. khim.* 33 no. 3:1041 Mr '63.
- ETHERS**
Glycol ethers and their derivatives. Part 50: Synthesis of alkoxyethyl ethers of 1-chloro-3-alkoxy-2-propanol. Shakhai Mamedov, F. Gadzhizade. *Zhur. ob. khim.* 33 no. 3:831-836 Mr '63.
Glycol ethers and their derivatives. Part 51: Synthesis of alkoxy derivatives of methyl ethers of α - and β -methylbenzyl alcohols. Shakhai Mamedov, F. G. Dzhagupova, M. A. Avanesian. *Zhur. ob. khim.* 33 no. 3:836-841 Mr '63.
Glycol ethers and their derivatives. Part 52: Synthesis of alkoxy derivatives of methyl ethers of 1,2-cyclohexanediol. Shakhai Mamedov, I. I. Nizker. *Zhur. ob. khim.* 33 no. 3:841-845 Mr '63.
Glycol ethers and their derivatives. Part 53: Dimethyl-ene glycol ethers. Shakhai Mamedov, T. N. Dalallov. *Zhur. ob. khim.* 33 no. 3:846-851 Mr '63.
Infrared absorption spectra and some problems of the complex formation of inorganic halides with ethers. N. I. A. Turova, K. N. Semenenko, A. V. Novoselova. *Zhur. neorg. khim.* 9 no. 4:682-692 Ap '63.
Possibility of determining the yield of radicals in the radiolysis of diisopropyl ether by reaction with the $FeCl_3$ acceptor. V. V. Saraeva, E. Z. Novgorodova. *Kin. i kat.* 4 no. 1:163-165 Ja-F '63.
- ETHICS**
Basic categories of ethics. G. K. Gumnitskii, Nanch. *dokl. vys. shkoly* 1960, no. 1:127-132 '63.
- ETHNOGRAPHY—BIBLIOGRAPHY** see Bibliography--Ethnography
- ETHNOLOGY**
(see also subdivision under Caucasus; Kirghizistan; Vietnam; North; Yakutia)
Archaeological and Ethnographical Section of the Department of Historical Sciences of the Academy of Sciences of the U. S. S. R. T. I. Aleksanova. *Vop. etn.* no. 11:146-147 '62.
"Lotus flower" by Rudolf Jia. Reviewed by M. P. Kozlov. *Vokrug sveta* no. 2:81-82 F '63.
Subject and problems of ethnogeography [with summary in English]. S. I. Brak, V. I. Kozlov, M. G. Levin. *Sov. etn.* no. 1:11-25 Ja-F '63.
- ETHNOLOGY—BIBLIOGRAPHY** see Bibliography--Ethnology
- ETHNOLOGY—CONGRESSES**
A meeting of the Permanent Committee of the International Anthropological and Ethnological (Ethnographic) Congresses. I. R. Grigulevich, D. A. Olshevskii, T. A. Trofimova. *Sov. etn.* no. 1:131-133 Ja-F '63.
- ETHNOLOGY—MAPS** see subdivision under Indonesia; Malaya; Philippines
- ETHNOLOGY—STUDY AND TEACHING**
The teaching of ethnography and anthropology in higher and secondary schools. *Sov. etn.* no. 1:3-10 Ja-F '63.
- ETHYL SILICATE**
Combined method for the hydrolysis of ethyl silicates. V. I. Berezina, T. N. Shubina. *Ist. proizv.* no. 1:33 Ja '63.
- ETHYLENE—DRYING**
Adsorption drying of ethylene. A. V. Khazin, A. M. Tsybulovskii. *Khim. prom.* no. 1:35-38 Ja '63.
- ETHYLENE—SPECTRA**
On the theory "crystalline" bands in polyethylene and long-chain normal paraffins. I. I. A. Golub, I. V. Kudinskai. *Opt. i spekt.* 13 no. 4:501-503 '62.
- ETHYLENE OXIDE**
Reactions of α -oxides. Part 2: Kinetics of the reaction of ethylene oxide with acetic and monochloroacetic acids. N. N. Lebedev, K. A. Gus'kov. *Kin. i kat.* 4 no. 1:116-127 Ja-F '63.
Stepped formation of compounds with a stannoxane bond and reactive terminal groups. N. N. Zemlinskii and others. *Dokl. AN SSSR* 149 no. 2:312-315 Mr '63.
- ETHYLENEDIAMINE**
Polarographic properties of diquaternary ammonium derivative of ethylenediamine with activated C-N bonds. A. I. Lopushanskii, V. P. Denisenko, M. V. Pokhman-skaya. *Zhur. ob. khim.* 33 no. 3:728-731 Mr '63.

ETHYLENIMINE

Intermediate products and dyes containing a residue of ethylenimine. Zhen' Go-du [Jên Kuo-tu], L. S. Efros. Zhur. ob. khim. 33 no. 3:966-969 Mr '63.

EUCALYPTUS

Gerasimov, M. V. [Eucalyptus] Evkalipt. Moskva, Goslesbuntizdat, 1962. 75 p.

EUROPE—SOILS—MAPS

Seminar on the soil map of Europe. V. M. Fridland. Pochvovedenie no. 2:106-108 F '63.

EUROPE, EASTERN—BONUS SYSTEM

Awarding bonuses to workers for creating and mastering new machinery in several European socialist countries. V. Gruzinov, T. Tkacheva. Sots. trud 8 no. 3:144-148 Mr '63.

EUROPE, EASTERN—COST AND STANDARD OF LIVING

Role of public consumption funds in improving workers' living standards in several European socialist countries. E. Iakovleva. Sots. trud 8 no. 3:27-33 Mr '63.

EUROPE, EASTERN—COURTS

People's assessors in the people's democracies. I. A. Grohovenko. Sov. iust. no. 4:20-21 F '63.

EUROPE, EASTERN—DIVISION OF LABOR

Development of the world socialist economy. M. Os'mova. Vop. ekon. no. 2:131-139 F '63.

EUROPE, EASTERN—ECONOMIC POLICY

Coordination of the economic planning of the socialist countries. I. U. Pelshev. Polit. samoochr. 7 no. 2:14-22 F '63.

EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS

Aid extended by the Mutual Economic Assistance Council to underdeveloped countries. Mezhdunar. zbirn' 10 no. 4:142-145 Ap '63.

EUROPE, EASTERN—HISTORY

Scholarly research on the history of the people's democracies. R. S. Sharovatsova. Nov. i noveish. ist. no. 2:180-181 '63.

EUROPE, EASTERN—HOME ECONOMICS—ACCOUNTING

Conference of the working group of the statisticians of the countries participating in the Mutual Economic Assistance Council. I. Matlukha. Vest. stat. no. 3:70-82 '63.

EUROPE, EASTERN—INCOME

Creation and the utilization of national income in the European people's democracies. K. Mikul'skii. Vest. stat. no. 3:39-48 '63.

EUROPE, EASTERN—MACHINERY INDUSTRY

Development of the world socialist economy. M. Os'mova. Vop. ekon. no. 2:131-139 F '63.

EUROPE, EASTERN—POLITICS

Special features of the establishment of socialist states in the European people's democracies [with summary in English]. B. I. Kozhikhin. Vest. LGU 10 no. 5:78-87 '63.

EUROPE, EASTERN—SAMPLING (STATISTICS)

Conference of the working group of the statisticians of the countries participating in the Mutual Economic Assistance Council. I. Matlukha. Vest. stat. no. 3:70-82 '63.

EUROPE, EASTERN—TECHNOLOGICAL INNOVATIONS

Awarding bonuses to workers for creating and mastering new machinery in several European socialist countries. V. Gruzinov, T. Tkacheva. Sots. trud 8 no. 3:144-148 Mr '63.

EUROPE, EASTERN—WORLD WAR, 1939-1945

"History of the Great Patriotic War of the Soviet Union, 1941-1945," Vol. 4: "Expulsion of the enemy from the territory of the Soviet Union and the beginning of the liberation of the European nations from the fascist yoke, 1944." Reviewed by N. Eronin, V. Zubakov. Polit. samoochr. 7 no. 2:130-137 F '63.

EUROPE, WESTERN—EDUCATION

Pedagogical aspects of the "integration" of Western Europe. V. I. Malinin. Sov. pedagog. 27 no. 2:113-127 F '63.

EUROPE, WESTERN—FEUDALISM

Early phase of the decay of feudalism in Western Europe [with summary in English, pp. 221-222]. M. A. Barg. Vop. ist. 38 no. 3:72-87 Mr '63.

EUROPE, WESTERN—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Washington's calculations and miscalculations. B. Li-khachev. Mir. ekon. i mezhdunar. otn. no. 3:107-110 '63.

EUROPE, WESTERN—FOREIGN RELATIONS—UNITED STATES

Storm in the Atlantic. F. Orekhov. Mezhdunar. zbirn' 10 no. 4:31-40 Ap '63.

EUROPE, WESTERN—LAND TENURE

Early phase of the decay of feudalism in Western Europe [with summary in English, pp. 221-222]. M. A. Barg. Vop. ist. 38 no. 3:72-87 Mr '63.

EUROPE, WESTERN—POLITICS

Pedagogical aspects of the "integration" of Western Europe. V. I. Malinin. Sov. pedagog. 27 no. 2:113-127 F '63.

EUROPE, WESTERN—REFUGEES, UKRAINIAN

United Ukrainian American Relief Committee. [Report of the United Ukrainian American Relief Committee on its work in Western Europe in 1948] Zvidomlennia Zluchenoho ukrains'koho amerykans'koho dopomohovoho komitetu; z dilal'nosti v Zakhidni Evropi za 1948 rik. Munich, 1949. 30 p.

EUROPEAN COAL AND STEEL COMMUNITY

French metallurgy and the bloc of six. I. U. Pavlov. Mir. ekon. i mezhdunar. otn. no. 3:100-106 '63.

EUROPEAN COMMON MARKET see European Economic Community

EUROPEAN ECONOMIC COMMUNITY

Akademii nauk SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Economic problems of the "Common Market"] Ekonomicheskie problemy "Obshchego rynka." Moskva, Sotsekgiz, 1962. 510 p.

The "Common Market"; its historical roots and the basic course of its development [with summary in English, p. 188]. E. L. Khmel'nitskaia. Nov. i noveish. ist. no. 2:93-107 '63.

For unity in the laboring class. L. M. Minaev. Vop. ist. KPSS 7 no. 3:148-150 Mr '63.

How the "Common Market" will affect workers. L. N. Solov'ev. Sov. profsoyuzy 10 no. 8:8-10 Mr '63.

The interests of the workers of Israel are incompatible with the policy of monopolies. F. Vilienska. Vsem. prof. dvizh. no. 3:14-16 Mr '63.

Japan and the "Common Market." I. U. Kuznetsov. Mir. ekon. i mezhdunar. otn. no. 3:91-100 '63.

Meet, consult and cooperate. Louis Sallant. Vsem. prof. dvizh. no. 1:18-21 Ja '63.

Washington's calculations and miscalculations. B. Li-khachev. Mir. ekon. i mezhdunar. otn. no. 3:107-110 '63.

"Western unity and the Common Market" by Walter Lippmann. Reviewed by N. N. Inozemtsev. Mir. ekon. i mezhdunar. otn. no. 3:83-80 '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—EDUCATION

Monopolies, the "Common Market" and education. Helen Dazy. Vsem. prof. dvizh. no. 3:29-32 Mr '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—LABOR AND LABORING CLASSES

The labor movement in the European Economic Community countries. V. Liublimova, I. U. Borko, L. Fedorov. Mir. ekon. i mezhdunar. otn. no. 3:81-89 '63.

EUROPEAN ECONOMIC COMMUNITY COUNTRIES—TRADE UNIONS

For unity in the laboring class. L. M. Minaev. Vop. ist. KPSS 7 no. 3:149-150 Mr '63.

EUROPEAN WAR, 1914-1918 see subdivision under Germany

EUROPEAN WAR, 1914-1918—DIPLOMATIC HISTORY

Apologia of German imperialism disguised as a critical review. A. M. Fillov. Vop. ist. 38 no. 3:200-202 Mr '63.

"A dash toward world hegemony; objectives of the European War in the policy of the German Kaiserdom, 1914-1918" [in German] by F. Fischer. Reviewed by K. B. Vinogradov. Nov. i noveish. ist. no. 2:158-161 '63.

EUROPEAN WAR, 1914-1918—PRISONERS AND PRISONS, GERMAN

Work of the Bolsheviks among Russian war prisoners in Germany and Austria-Hungary, 1914-1918. A. P. Iakushina. Vop. ist. KPSS 7 no. 3:50-60 Mr '63.

EURYCASTERS—PARASITES see Parasites—Eurycasters

EUTECTICS

Classification of the structures of binary metal alloys of the eutectic type. V. V. Nikonova. Uch. zap. Mosk. gor. ped. inst. 86:217-227 '60.

EVAPORATING APPLIANCES

Characteristics of boiler and evaporator units on "Dzhankel"-type ships. A. K. Gol'denfon. Inform. sbor. TSNIIMF no. 73. Tekh. ekspl. mor. flota. no. 13:53-62 '62.

Results of testing boiler and evaporator plants on "Mikhail Kalinin"-type ships. A. K. Gol'denfon. Inform. sbor. TSNIIMF no. 69. Tekh. ekspl. mor. flota. no. 12:46-58 '61.

Selecting a type of evaporator plant for seagoing cargo and passenger steamships. K. A. Afanas'ev. Inform. sbor. TSNIIMF no. 69. Tekh. ekspl. mor. flota. no. 12:70-80 '61.

Thermal design of a single-pass evaporator. T. A. Kolach. Izv. vys. ucheb. zav. energ. 6 no. 2:65-70 F '63.

EVAPORATION

(see also subdivision under Volga Valley)

Calculating the evaporation from the surface of snow cover using the diffusion method. L. S. Chotorishvili. Inform. sbor. o rab. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 5:195-203 '60.

Results of experiments on water evaporation from the surface of capillary menisci [with summary in English]. L. G. Balcev. Pochvovedenie no. 2:82-85 F '63.

EVENING AND CONTINUATION SCHOOLS

One step higher. V. Pavlov. Smena 39 no. 19:22-23 O '63.

Principles for outlining the programs of the improvement of professional qualifications of evening general school students. O. F. Fedorova, G. N. Sendalov, K. V. Nechai. Sov. pedagog. 27 no. 3:29-37 Mr '63.

Workers should be trained in additional occupations. E. Lysenko. Prof. -tekh. obr. 20 no. 3:24-26 Mr '63.

EVENKI NATIONAL AREA—YAKUTS

The Yesay Yakuts. M. S. Voronkin. Nauch. soob. IAF AN SSSR no. 6:3-8 '61.

EVICTON

Eviction of tenants by administrative agencies. I. U. Kon'kov. Sov. iust. no. 4:15 F '63.

Practical implementation of Article 62 of the "Basic Principle of Civil Law." A. Ishutina, V. Ryzhikova. Sov. iust. no. 6:4-7 Mr '63.

EVIDENCE (LAW)

Iakub, M. L. [Testimony of the accused as a form of evidence in Soviet criminal procedure] Dokazaniia obviniaemogo kak istochnik dokazatel'stv v sovetskom ugolovnom protsesse. [Moskva] Izd-vo Mosk. univ., 1963. 79 p.

EVOLUTION

"Cytology and evolution" [in English] by E. N. Willmer. Reviewed by A. G. Knorre. Usp. sov. biol. 55 no. 1:134-141 Ja-F '63.

EXCAVATING MACHINERY

(see also subdivision under Sweden)

Design of cabs for earthworking machinery. V. A. Khomitaki. Stroi. i dor. mash. 8 no. 2:10-11 F '63. ESh-25/100 walking excavator. Shkht. stroi. 7 no. 4:4 of cover Ap '63.

Interchangeable working parts for the FTK-GPI-38 cutting trench digger. S. V. Rukavishnikov, K. I. Shurygin, I. V. Fedin. Stroi. i dor. mash. 8 no. 2:11-12 F '63.

The problem of turbocouplings. I. U. F. Chernikovskii. Stroi. i dor. mash. 8 no. 2:6-7 F '63.

Relationship between the size of the pieces of broken rock and the productivity of an excavator in an open-pit mine. V. V. Lositskii. Trudy Alt. GIMN AN Kazakh. SSR 13:121-128 '62.

EXCAVATING MACHINERY—TECHNOLOGICAL INNOVATIONS

It is too early to close the case. Izobr. i rats. no. 9:28-29 S '62.

EXCAVATIONS (ARCHAEOLOGY) see subdivision under Pskov

EXCITONS

Frankel excitons in the copper oxide crystal [with summary in English]. N. V. Starostin. Vest. LGU 10 no. 4:20-33 '63.

EXECUTIVES see subdivision under United States

EXERCISE THERAPY

Exercise therapy in blood circulation deficiency. A. A. Tivanov, N. N. Kovalenko. Vop. pat. krovi i krovoobr. no. 8:220-224 '61.

Substantiation of the use of exercise therapy for patients suffering from systemic scleroderma. Report No. 1 [with summary in English]. N. V. Kublitakata, N. V. Petrova. Vop. revm. 1 no. 4:72-79 O-D '61.

EXOPHTHALMOS

Possibility of the development of clinical forms of exophthalmos without the participation of the thyrotropic hormone [with summary in English]. A. S. Breslavskii, E. P. Tikhonova, E. I. Medresh. Oft. zhur. 17 no. 7:423-429 '62.

EXPERIMENTAL EMBRYOLOGY see Embryology, Experimental

EXPERIMENTAL SURGERY see Surgery, Experimental

EXPLOSIONS

Determining the shape and parameters of a shock wave front produced by explosion in a nonhomogeneous medium. V. P. Korobainikov, V. P. Karlikov. Dokl. AN SSSR 148 no. 6:1271-1274 F '63.

EXPLOSIVES

Temperature coefficient of the rate of burning of explosives and gunpowders as a function of pressure. A. P. Beliaev, G. V. Lukashenia. Dokl. AN SSSR 148 no. 6:1327-1330 F '63.

EXPLOSIVES IN SHEET-METAL WORK

Explosive-action press. M. P. Pribyl'skii. Stroitel' dor. mash. 8 no. 2:22-23 F '63.

EXTRACTION (CHEMISTRY)

Extractibility of inner complex compounds as dependent on the pH of the aqueous phase. Minima on the extraction curves [with summary in English]. I. P. Alimarin, O. M. Petrukhin, U. A. Zolotov. Zhur. anal. khim. 17 no. 5:544-550 Ag '62.

Extraction of nitric acid with amines. V. V. Fomin, V. T. Potapova. Zhur. neorg. khim. 6 no. 4:990-1002 Ap '63.

Extraction of uranium by a binary mixture of reagents. V. B. Shevchenko, V. S. Smelov, A. V. Strakhova. Zhur. neorg. khim. 7 no. 7:1738-1742 JI '62.

EXTRACTION (CHEMISTRY)—CONGRESSES

Conference on the use of extraction in analytical chemistry. O. M. Petrukhin. Zhur. neorg. khim. 7 no. 7:1754-1756 JI '62.

EXTRACTION APPARATUS

Kinetic equations for calculating the efficiency of sieve-plate extraction columns. E. D. Vertuzhaev, O. N. Planovskii. Zhur. prikl. khim. 36 no. 2:295-298 F '63.

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Oilier-make extractor unit and experience with its operation] Ekstraktsionnaya ustanovka Ol'e i opyt ee ekspluatatsii. Moskva, 1962. 50 p. (Tekhnicheskaya informatsiya)

Shkoropad, D. E., and I. V. Lyskovizov. [Centrifugal liquid extractors] Tsentrobezhnye zhidkostnye ekstraktory. Moskva, Mashgiz, 1962. 215 p.

EXTRASENSORY PERCEPTION

Vasil'ev, L. L. [Mysterious phenomena of human psychology] Taistvennye yavleniya chelovecheskoi psikhiki. Izd. 2., ispr. i dop. Moskva, Gospolitizdat, 1963. 188 p.

EXTREMITIES, LOWER—FRACTURES

Concerning bone fractures due to excessive foot strain. A. I. Dolingo. Zdrav. Turk. 7 no. 1:29 Ja '63.

EXTRUSION (METALS)

[Forging, drop forging, periodic rolling, and the extrusion of metals] Kovka, goriachaya shtampovka, periodicheskaya prokatka i pressovanie metallov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii.

Nos. 1-3. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. Nos. M-58-13/1. M-58-14/2, M-58-144/6)

Strained state caused by deep extrusion. N. P. Kolesnikov. Avt. prom. 25 no. 8:34-36 Ag '62.

EYE—ABNORMALITIES AND DEFORMITIES

Case of dislocation of the eyeball in a craniofacial dysostosis patient. A. I. Kosobutskaya. Oft. zhur. 17 no. 7:443 '62.

EYE—ACCOMODATION AND REFRACTION

Effect of atropine and homatropine on the accommodation in refraction determination [with summary in English]. N. A. Rogova. Oft. zhur. 17 no. 7:429-432 '62.

EYE—EXAMINATION

Objective determination of visual acuity in children [with summary in English]. N. I. Shubinskaya. Oft. zhur. 17 no. 7:396-401 '62.

EYE—SURGERY

Morphological changes in a rib cartilage in homoplastic implantation into Tenon's capsule [with summary in English]. E. I. Starodubtseva. Oft. zhur. 17 no. 7:416-423 '62.

EYE—WOUNDS AND INJURIES

Significance of surgical treatment in penetrating wounds of the eyeball in the prevention of sympathetic ophthalmia. L. P. Kovaleva. Sov. zdrav. Kir. no. 1:23-26 Ja '63.

EYE, INSTRUMENTS AND APPARATUS FOR

Apparatus for objective determination of visual acuity [with summary in English]. I. A. Viazovskii. Oft. zhur. 17 no. 7:391-395 '62.

Glass needle for sucking off the fluid of the anterior chamber. G. R. Danbait. Oft. zhur. 17 no. 7:440-441 '62.

EYELEDS—SURGERY

Comparative evaluation of some operations involving the removal of congenital ptosis [with summary in English]. A. I. Pakhomova. Oft. zhur. 17 no. 7:409-416 '62.

FABLES

Sergeev, G. I. [In jest and in earnest; fables and feuillets] V shutku i vserioz; basni i feil'etony. [Vladimir] Vladimirovskoe knizhnoe izd-vo, 1962. 24 p. (MH)

FABLES, UKRAINIAN

[Present-day Ukrainian fables] Suchasni ukrains'ki baiky. [Red. L. S. Malakhova] Kyiv, Derzhlitvydav, 1962. 190 p. illus. (MH)

FAÇADES

Akademii kommunalnogo khoziaistva. Leningradskii nauchno-issledovatel'skii institut. [Album of machines, equipment, and instruments for repairing facades] Albom mashin, prispособlenii i instrumentov dlia remontno-fasadnykh rabot. Moskva, 1962. 80 p. Unit for painting facades of buildings. Stroitel' 9 no. 3:insert: 4 p. Mr '63.

FACE—SURGERY

Cosmetologist Valentina Sooliatie operates. N. Zykov. Nauka i zhizn' 29 no. 12:96-97 D '62.

Increasing the effect of local anesthesia in maxillofacial surgery. L. I. Pashchenko. Probl. stom. 6:338-341 '62.

Late observations of contour facial plastic surgery with "frozen homographs." E. A. Aleksandrova. Probl. stom. 6:342-348 '62.

Vaisblat, S. N. [Local anesthesia for operations on the face, the jaws, and the teeth] Mostnoe obezboivanie pri operatsiyakh na litse, chelustnykh i zubakh. Kiev, Gosmedizdat USSR, 1962. 468 p. (DNLM)

FACTORIES see subdivision under Odessa

FACTORIES—HEATING AND VENTILATION

"Operation and repair of ventilation units in machinery plants" by I. S. Khazanov, V. V. Kucheruk, P. P. Bellan'skii. Reviewed by B. P. Levantin. Vest. mashinost. 43 no. 3:87 Mr '63.

FACTORY LIBRARIES

Library soviet in a factory. S. Volotskaya, N. Lirman. Klub 12 no. 12:28 D '62.

FACTORY MANAGEMENT

For further development of theory and practice. P. G. Volkov. Mashinostroitel' no. 2:28 F '63.

Profession of an engineer administrator. A. I. A. Zap-laynyi, V. D. Petunov. Vest. vys. shkoly 21 no. 4:57-59 Ap '63.

Promote the role of a foreman. G. D. Neronov. Mashinostroitel' no. 2:30-31 F '63.

FAIRIES

The evil spirit comes from the left. Nauka i rel. 4 no. 3:78 Mr '63.

FALLOPIAN TUBES—RADIOGRAPHY

Hysterosalpingography as a diagnostic and therapeutic method in tubal sterility. V. I. Abgarov, A. M. Mazel. Azerb. med. zhur. 40 no. 1:42-46 Ja '63.

FALLOUT, RADIOACTIVE see Radioactive fallout

FAMILY

(see also subdivision under Yakutia)

Everything is in order with Bugaenko. E. Sysoeva. Sem'ia i shkola 18 no. 3:17-19 Mr '63.

Fathers, mothers and children. M. Tsareva. Sem'ia i shkola 18 no. 3:19-20 Mr '63.

FANS, ELECTRIC see subdivision under Kuznetsk Basin

FAR EAST, SOVIET see Soviet Far East

FARM BUILDINGS

Directed deposition of the condensate in stock buildings. L. Anufriev, L. Vasil'ev. Sel'. stroi. 17 no. 2:20 F '63.

Ionov, L. P., V. P. Gorlyshkov, and F. A. Litfalibekov. [Rural buildings that can be assembled in a few hours] Sel'skie postroiki, sobiraemye za neskol'ko chasov. Moskva, Gosstroizdat, 1962. 78 p. (V pomoshch' sel'skomu stroitel'stvu)

FARM BUILDINGS—FIRES AND FIRE PREVENTION see subdivision under Ukraine

FARM BUILDINGS—STANDARDS
Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Schedule of standard planning for rural structures built in 1962.] Plan tipovogo proektirovaniya na 1962 g. dlia ob'ektov sel'skokho-ziaistvennogo stroitel'stva. Moskva, Gosstroizdat, 1962. 48 p. [MICROFILM]

FARM MANAGEMENT

(see also subdivision under Smolensk Province)

Methodology for working out the economic basis for an efficient structure in planting acreage on collective and state farms. Dokl. i soob. VNIISKH no. 13:46-60 '62.

Practice in reorganizing and establishing a structure for planting acreages. I. S. Polovenko and others. Dokl. i soob. VNIISKH no. 13:90-105 '62.

Supply each state farm with an economically sound structure for planting feed crops; using the example of state farms in Tambov and Voronezh Provinces. N. I. Popov. Dokl. i soob. VNIISKH no. 13:106-119 '62.

These are the potentialities of working time. IA. Chernyavskii. NTO 5 no. 2:24-26 F '63.

FARM MECHANIZATION

(see also subdivision under Syrdlovsk Province; Yesil' District)

Automatic agricultural machinery, what is it? E. Sali-mov. Znanie-sila 38 no. 1:16-18 Ja '63.

The "merry-go-round" will come to the farms. N. P. Pichugin. Ogonek 41 no. 11:30-31 Mr '63.

[Over-all mechanization on the "Gigant" State Farm] Kompleksnaya mekhanizatsiya v sovkhوزه "Gnt." [By] D. D. Angol'ev i dr. Moskva, Sel'khozizdat, 1962. 171 p. (DNAL)

Tolpokin, S. Z. [Over-all mechanization of agriculture; economic effectiveness] Kompleksnaya mekhanizatsiya sel'skogo khoziaistva; ekonomicheskaya effektivnost'. Moskva, Ekonomizdat, 1962. 130 p.

FARM MECHANIZATION—STUDY AND TEACHING

(see also subdivision under Melkessa; Hyazan Province; West Kazakhstan Province)

Great changes. V. Semenov. Prof. -tekh. obr. 29 no. 3: 15-16 Mr '63.

In the Ministry of Education of the Ukrainian S. S. R. Rad. shk. 41 no. 1:102-103 Ja '63.

FARM PRODUCE—TRANSPORTATION

In brief about new developments. Sel'. melk. no. 8: 24-25 '62.

FARMS—ELECTRIC EQUIPMENT

Study of the stability of heat-sensitive thermistors. F. A. Tserikh. Nauch. trudy VNIISKH 11:93-100 '62.

FASCISM see subdivision under Great Britain

FASHION

For you, women. O. Ivanova. Sov. Soizuz no. 4:46 '63. Winter and spring. Sov. Soizuz no. 2:50-51 '63.

FASTENINGS

Investigating heavily loaded large threaded joints. V. P. Artukhov, B. A. Morozov. Vest. mashinost. 43 no. 2:34-36 F '63.

[Mechanical engineer's handbook; in six volumes] Spravochnik mashinostroitel'ia; v shesti tomakh. Izd. 3., ispr. i dop. Moskva, Mashgiz. Vol. 4. Book 2. Pod red. N. S. Acherkama. pp. 450-931.

New rod fastenings. E. A. Borukina, Z. A. Kobzeva, M. S. Kiseleva. Avt. prom. 29 no. 3:46 Mr '63.

Specialized manufacture of fastenings. V. Bafal'Pakh. NTO 5 no. 2:31-34 F '63.

FASTS AND FEASTS—ORTHODOX EASTERN CHURCH

The Orthodox church calendar through the eyes of an atheist. Nauka i rel. 4 no. 3:83-84 Mr '63.

FAT METABOLISM

Dynamics of the accumulation and transport of carbohy-drates as related to the course of the accumulation of fats in almond and pistachio in Tajikistan [with summary in German]. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 1:156-165 '62.

FATHER-SEPARATED CHILDREN

Is father right? I. Kikuchareva. Rabotnitsa no. 1:24 Ja '63.

FATIGUE

Psychological basis for an individual approach to young boys and girls. Report no. 2: Problem of the prevention of fatigue. A. P. Kravovskii. Dokl. APN 6 no. 6: 23-26 '62.

FATIGUE OF METALS see Metals—Fatigue

FATTY ACIDS see Acids, Fatty

FAULTS (GEOLOGY) see subdivision under Ural

Mountain region; West Siberian Plain

FEDIN, KONSTANTIN ALEKSANDROVICH, 1892-

Brainina, B. I. A. [Konstantin Fedin; a study of his life and works] Konstantin Fedin; ocherk zhizni i tvorchestva. Izd. 5., ispr. i dop. Moskva, Goslitizdat, 1962. 461 p.

FEDOROV, VLADIMIR IVANOVICH, 1925-

"Bag full of hearts" by V. Fedorov. Reviewed by Kim Sarachin. Sov. profsoyuz 19 no. 6:32 Mr '63.

"Clear well" by Vladimir Fedorov. Reviewed by Aleksandr Govorov. Ogonek 41 no. 6:25 F '63.

FEED HEADS see Risers (Founding)

FEED MECHANISMS

Accuracy in the weighing of charge materials. I. I. Vishenskii. Izv. vys. ucheb. zav. i Chern. met. 6 no. 2: 176-184 '63.

Automatic feed of parts. Izobr. i rats. no. 7:38-39 and 3 of cover JI '62.

Automatic feed of the sliding roller and the expansion of engineering potentialities of thread-generating machines manufactured by the Pee-Wee Company. M. G. Parnes. Stan. i instr. 34 no. 4:34 Ap '63.

Improving systems of automatic distribution of molding sands. V. S. Shitikov, L. I. protiv. no. 6:10-12 My '62.

FEED WATER

Concerning the checking of water hardness in a small boiler system. R. V. Kotliar. Energetik 10 no. 6:35-38 Je '62.

FEED WATER (Contin. ed)

Diagrams for connecting cast iron feed-water economizers. E. M. Romanova, A. V. Chubanova. *Energomashinostrouenie* 9 no. 2:13-16 F '63.

Effect of polydispersive substances on the yield of the liquid phase in boiling. V. G. Gleim, E. M. Lavrova. *Teplotenergetika* 10 no. 4:55-57 Ap '63.

Use of scavenging feed water for preventing incrustation formation in turbine condensers. A. T. Kurnosov. *Energetik* 10 no. 6:30-31 Je '62.

Utilization of juice vapor condensate in the canning industry. G. S. Rebzil. *Izv. vys. ucheb. zav. spishch. tekhn.* no. 1:132-133 '63.

FEED-WATER PURIFICATION

Concerning the magnetic treatment of water. N. P. Lepotshkina. *Energetik* 11 no. 2:31 F '63.

Deaerating bubbling system of a condenser. K. A. Blinov, G. V. Nikolaev, N. I. Polianskii. *Energomashinostrouenie* 9 no. 1:23-25 Ja '63.

Economic efficiency of seawater softening on ships. G. Lukin. *Mor. flot* 23 no. 3:29-31 Mr '63.

Electromagnetic system for the treatment of feed water. N. I. Rylov. *Bum. prom.* 38 no. 3:23-24 Mr '63.

Modernization of the network of a desorption installation in the All-Union Heat Engineering Institute. R. S. Lepilin. *Energetik* 11 no. 2:14-16 F '63.

Problem concerning the automation of water treating systems. B. A. Konstantinov, R. V. Epfelbaum, A. P. Mamet. *Teplotenergetika* 10 no. 4:52-55 Ap '63.

Purification of feed water. M. I. Lukimov, V. E. Kozel', K. V. Manokhina. *Koksi i khim.* no. 3:52-54 '63.

Rubberizing of ion-exchange filters. Z. I. Meerson. *Energetik* 11 no. 4:17-18 Ap '63.

FEEDING AND FEEDS

Let's pay as much attention to feed crops as we do to grain. Sel', mekh. no. 8:1-2 '62.

FEEDS

(see also subdivision under Uzbekistan)

Bichevoi, I. A. V., and V. F. Vrana. [Succulent forage the year round] *Sochnye korma - kruglyi god*. Moskva, Sel'khozizdat, 1962, 109 p. (DNAL)

Combining the sugar and distilling industries and developing facilities for the production of dry feed yeasts. I. I. Arefev, V. G. Pydkov. *Spiri. prom.* 29 no. 2:27-28 '63.

Production of liquid feed yeasts at the Rakvere distillery. V. Draliuk. *Spiri. prom.* 29 no. 2:42-43 '63.

Utilization of waste filtrate in the production of antibiotic feeds. V. P. Borisov, A. F. Gorbaish. *Spiri. prom.* 29 no. 2:41 '63.

FEFILOV, BORIS VLADIMIROVICH, 1895-1962

Boris Vladimirovich Fefilov; an obituary. *Geod. i kart.* no. 2:77-78 F '63.

FELDSPAR—TESTING

Industrial assaying of feldspar rocks as a raw material for the production of alumina. E. P. Khazenov and others. *Trudy Vost.-Sib. fil. AN SSSR* no. 43:36-39 '62.

FEODOSIYA—SEASIDE RESORTS

Berdnikov, V. M., and O. E. Hryn'ov. [The health resort of Feodosiya] *Kurort Feodosiya*. Kyiv, Derzh. vyd.-vo med. in-ry USRS, 1962, 98 p. (DNLM)

FERGANA—AGRICULTURE

Fergana paradoxes. Viktor Lavashov. *Smena* 39 no. 22:14-15 N '62.

FERGANA—GEOLOGY, STRATIGRAPHIC

New data on the stratigraphy of Tournai sediments in southern Fergana. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 7:5-18 '62.

FERGANA—LIGNIN

Reuse of waste products. *Nar. khoz. Uzb.* 5 no. 3:47 Mr '63.

FERGANA—ROCKS, SEDIMENTARY

Lithology of Cenozoic molasses in the Mayli-Say anticline (northern Fergana). L. N. Vertunov. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 7:10-30 '62.

FERGANA—WATER RESOURCES DEVELOPMENT

Great water of Kerkidon. G. Markov. *Uzbekistan* 22 no. 2:7 F '63.

FERMENTATION

Using the enzyme method for the production of clarified juices. E. I. Vilenskaya. *Spiri. prom.* 29 no. 2:23-28 '63.

Zhdanova, E. A., and P. F. Diachenko. [Ferment preparations in the dairy industry] *Fermentnye preparaty v molochnoi promyshlennosti*. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962, 61 p. [MICROFILM]

FERMENTATION—EQUIPMENT AND SUPPLIES

Protective coatings of evaporation apparatus for ferment solutions. L. N. Aganesova. *Spiri. prom.* 29 no. 2:13-14 '63.

FERRI SURFACE

Galvanomagnetic properties of rhodium. N. E. Alekseevskii, V. S. Egorov, B. M. Kazak. *Zhur. eksp. i teor. fiz.* 44 no. 3:1116-1119 Mr '63.

Studying the Fermi surface of tin with the aid of the dimensional effect [with summary in English]. V. F. Gantmakher. *Zhur. eksp. i teor. fiz.* 44 no. 3:811-822 Mr '63.

FERRATES

Mikaellan, A. L. [Theory and applications of ferrites at super-high frequencies] *Teoriia i primeneniye ferritov na sverkhvysokikh chastotakh*. Moskva, Gosenergoizdat, 1963, 662 p.

FERRATES—ELECTRIC PROPERTIES

Waveguide method for measuring magnetic permeability tensor and specific inductive capacitance of ferrites. L. A. Mukharev. *Radiotekhn. i elektron.* 8 no. 3:516-520 Mr '63.

FERRITES see Ferrates

FERROCENE

Biferrocenyls and terferrocenyls. A. N. Nesmejanov and others. *Izv. AN SSSR. Otd. khim. nauk* no. 4:667-674 Ap '63.

Ferrocene-based synthesis of polymers and some of their electrophysical properties. [A. M. Pausshkin and others. *Dokl. AN SSSR* 149 no. 4:856-859 Ap '63.

Polymers and copolymers of derivatives of ferrocene obtained by the polyrecombination method. S. L. Sosin, V. V. Korshak, V. P. Alekseeva. *Dokl. AN SSSR* 149 no. 2:327-329 Mr '63.

Polymethine dyes containing ferrocene residues. Part 1: Synthesis of ferrocenylbenzothiazoles and preparation of thiocyanines. I. K. Ushenko, K. U. Zhukhareva, F. Z. Rodova. *Zhur. ob. khim.* 33 no. 3:796-804 Mr '63.

FERROCYNANIDES

Nature of sorption of organic substances by ferrocyanides. G. B. Seifer. *Zhur. neorg. khim.* 7 no. 7:1746-1748 Ji '62.

FERROELECTRIC SUBSTANCES—MEASUREMENT

Use of a waveguide method for measuring the parameters of semiconductor devices with regulated specific inductive capacitance. I. U. M. Poplavko. *Izv. vys. ucheb. zav. i radiotekhn.* 6 no. 1:83-86 Ja-F '63.

FERROMAGNETISM

Ferromagnetism and antiferromagnetism. A. Kompaneets. *Radio* no. 4:35-39 Ap '63.

Study of boundary layers between domains in ferromagnetic substances [with summary in English]. M. K. Savchenko, V. I. Slonimov. *Zhur. eksp. i teor. fiz.* 44 no. 3:781-792 Mr '63.

FERROSILICON—METALLURGY

Making blast furnace ferrosilicon. P. G. Lukin, I. U. A. Popov, A. K. Shaposhnikov. *Metallurg* 8 no. 4:8-11 Ap '63.

FERTILIZATION OF PLANTS

Babadzhanyan, G. A. [Cross-pollination of plants] *Chuzhordnoe opylenie rastenii*. Erevan, Izd.-vo Akad. nauk Armianskoi SSR, 1962, 197 p.

Effect of foreign pollen on the depression of self-pollination and characteristics of hybrid corn [with summaries in English, German, and French]. Z. V. Lebedeva. *Vest. sel'khoz. nauk* 7 no. 12:19-24 D '62.

Physiological effect of X-rayed pollen on the self-fertilization of corn. E. A. Britikov, Z. V. Lebedeva. *Dokl. AN SSSR* 149 no. 2:400-403 Mr '63.

FERTILIZER INDUSTRY see subdivision under Donetsk Province

FERTILIZER SPREADERS

The RUS-4, 0 centrifugal type fertilizer distributor. A. I. Mordukhovich, M. N. Krivoshe, *Trakt. i sel'khozmaash.* 33 no. 1:33-34 Ja '63.

FERTILIZERS AND MANURES

(see also subdivision under Ukraine; Yakutia)

Composite installations for the methane fermentation of farm waste. V. Kovalevskii. *Sel'. stroi.* 17 no. 2:11 F '63.

New development in the accounting for mineral fertilizers. G. Makhov. *Vest. stat.* no. 3:54-62 '63.

Results of experimentally testing an installation for fermentation of methane from farm waste. G. V. Gornovogov. *Nauch. trudy VIESKH* 11:128-140 '62.

Ways to improve the utilization of mineral fertilizers. P. Bobrovskii. *Vop. ekon.* no. 2:64-70 F '63.

FERTILIZERS AND MANURES—STATISTICS

Tractors, agricultural machinery and mineral fertilizer deliveries to agriculture. *Vest. stat.* no. 3:92-95 '63.

FETUS—DISEASES

Conditions for the transmission of *Toxoplasma gondii* from mother to fetus. V. I. Verulashvili. *Dokl. AN SSSR* 149 no. 4:999-1000 Ap '63.

FEUDALISM see subdivision under Europe, Western

FEUILLETONS

How have we offended? Mikh. Edel'. *Sov. pech.* no. 2:27-28 F '63.

FEVER, PUERPERAL see Puerperal septicemia

FIBER GLASS REINFORCED PLASTICS see Glass reinforced plastics

FIELD CROPS

(see also subdivision under Gorodets District; Moscow Province; Ukraine)

Economic evaluation of the structure of planting acreage and agricultural systems. K. P. Obolenskii. *Dokl. i soob. VNIESKH* no. 13:5-45 '62.

Methodology for working out the economic basis for an efficient structure in planting acreage on collective and state farms. *Dokl. i soob. VNIESKH* no. 13:46-60 '62.

Practice in reorganizing and establishing a structure for planting acreages. I. S. Polovenko and others. *Dokl. i soob. VNIESKH* no. 13:90-105 '62.

Zhorova, Kh. G. [Azotobacter and farm plants] *Azototanki i sel'skokhoziaistvennye rastenlia*. Kiev, Gos. izd.-vo sel'khoz. lit-ry, USSR, 1962, 178 p. (DNAL)

FIELD MICE see subdivision under Virgin Territory

FIGHTER PLANES—TAKE-OFF

Fighter planes start. I. Zaitsev, S. Skalkin. *Av. i kosm.* 45 no. 4:36-40 Ap '63.

FIKRET, MEHMET TEVFIK, 1870-1915

The periodical "Servet-i finan" and works of Tefvik Fikret in 1896-1901. F. A. Salimzhanova. *Krat. soob. Inst. nar. Az.* no. 60:35-47 '62.

FILES AND FILING (DOCUMENTS)

Research on the distribution and amount of hand effort in working with a file. Z. A. Aifer'eva. *Shkola i proizv.* 6 no. 11:75-78 N '62.

FILMS (CHEMISTRY)

Conservation and restoration of motion-picture films on art and motion-picture films of photographic documentation. I. M. Fridman. *Soob. VTSNILKR* no. 1:75-79 '60.

FILMSTRIPS

Educational filmstrips. F. M. Rozhko, M. M. Granovskii. *Sred. shkola, obr.* 10 no. 2:63 F '63.

FILTERS AND FILTRATION—CLEANING

Investigating the permeability to gas and the fineness of cleaning of nonspherical powder filters [with summary in English]. R. A. Andrievskii, B. Z. Teverovskii. *Porosh. mel.* 3 no. 1:69-74 Ja-F '63.

FINANCE

(see also subdivision under Ukraine; Uzbekistan)

Aid the successful fulfillment of the national economic plan in every way possible. *Bukhg. uchët* 20 no. 2:1-5 F '63.

Smirnov, A. D. [Theoretical principles of business accounting] *Teoreticheskie osnovy khoziaistvennogo rascheta*. Moskva, Vysshaya shkola, 1962, 61 p. (Materialy k lektsiiam po politekonomii)

Vitelskii, M. N. [The finance of socialist industry] *Finansy sotsialisticheskoi promyshlennosti*. Khar'kov, Izd.-vo Khar'kovskogo univ., 1962, 274 p.

FINANCE, PRIMITIVE see Economics, Primitive

FINANCIAL EMPLOYEES

Planum of the Central Committee of the Trade Union of Employees of Government Institutions. *Den. i kred.* 21 no. 3:93-95 Mr '63.

FINANCIAL STATEMENTS see subdivision under France

FINISHES AND FINISHING

Doing finishing work by the conveyor method. A. Mukhin. *Stroi. i arkhitekt.* Mosk. 11 no. 8:25-27 Ag '62.

Moskovskii dom nauchno-tekhnicheskoi propagandy imeni F. E. Dzerzhinskogo. [Finishing work in completely precast construction] *"Otdelchnye raboty v polnosbornom stroitel'stve"*; materialy seminar. Moskva, No. 2, 1962, 53 p. [MICROFILM]

New types of material for leather finishing. V. I. Elisseeva and others. *Kozh.-obuv. prom.* 5 no. 3:18-21 Mr '63.

Using industrial methods in finishing wall slabs. I. Zhilkin. *Stroi. i arkhitekt.* 11 no. 2:11-12 F '63.

FINISHES AND FINISHING—EQUIPMENT AND SUPPLIES

Akademila stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stva. [New machines and mechanical tools for finishing work] *Novye mashiny i mekhanizirovannye instrumenty dlia otdechnykh rabot po materialam Vsesoluznogo nauchno-issledovatel'skogo instituta stroitel'stva i dorozhnogo mashinoostroenia*. Moskva, Gosstroizdat, 1961, 44 p. [MICROFILM]

FLIGHT TRAINING (continued)

Navigational training is the most urgent duty of each commander. B. Davydov. *Grazhd. av.* 12 no. 1:12-13 Ja '55.

Proper organization of flight training. P. Mikhailov. *Grazhd. av.* 12 no. 1:9-11 Ja '55.

Teacher in a school. B. Nikitin. *Av. i kosm.* 45 no. 3: 70-73 Mr '63.

FLINT

On the study of flint properties. G. M. Kovnurko. *Krat. soob. Inst. arkheol.* no. 82:97-99 '62.

FLOATING DOCKS see subdivision under Germany, West; Suez Canal

FLOORS

Floors made with latex cement. A. Domashevskii. *Stroi. i arkhit.* 10 no. 7:21-22 Ji '62.

Installing chemically stable floors using polymers. N. A. Moshchanskii, I. E. Putilov. *Prom. stroi.* 41 no. 2: 35-38 F '63.

Mastic floors are inexpensive, practical and beautiful. V. Dik, Z. Levin. *Na stroi. Ros.* 4 no. 1:9-10 Ja '63.

FLOORS, CONCRETE

Prefabricated floor slab. V. Zhudov and others. *Stroi. i arkhit.* 10 no. 7:14-15 Ji '62.

FLOTATION

Coal flotation in foreign countries. V. A. Kullasov. *Koks i khim.* no. 3:59-63 '63.

Taturina, V. V., and G. P. Slavina. [Organic chemistry and flotation agents] *Organicheskaya khimiya i flotatsionnaya reagenty.* Moskva, Gosgortekhnizdat, 1962. 187 p.

FLOTATION—EQUIPMENT AND SUPPLIES

Residual concentration of xanthate following the flotation process in ore dressing plants. I. N. Plakshin, A. M. Okolovich, R. L. Popov. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:204-209 Ja-F '63.

FLOW OF WATER see Hydraulics

FLOWERING OF PLANTS see Plants, Flowering of

FLOWMETERS

Digital computer for the solution of gas-flow equation with automatic correction for pressure. G. M. Butaev, I. A. Luchentser. *Avtom. i prib.* no. 1:45-49 Ja-Mr '63.

Electromagnetic flowmeter with a standard secondary instrument. IU, A. Cherniak, V. A. Marchenko, L. M. Korsunskii. *Avtom. i prib.* no. 1:58-59 Ja-Mr '63.

Inertia device for measuring the actual speed of a current with wire converters and hydraulic damping. M. A. Mikhailev. *Izv. vys. ucheb. zav. i stroi. i arkhit.* 6 no. 1: 127-133 '63.

Jarkovsky, Eduard. [Fundamentals of practical calculations of diaphragms, metering nozzles, and venturi tubes. Translated from the Czech] *Osnovy prakticheskikh raschetov diafragm, mereniykh sopel i trub venturi.* Izd. 2., perer. i dop. Pod red. O. V. Lyzhina. Moskva, Mashgiz, 1962. 314 p.

Using IU, K. Alekseev's self-recording flowmeter for studying the speed of flow in reservoirs. N. V. Butorin, A. S. Litvinov. *Blud. Inst. biol. vodokhran.* no. 12:99-102 '62.

Utlamyshev, R. I. [RET-1 electronic flowmeter] *Elektronnyi raschodometr RET-1.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-58-41/4)

FLUID DYNAMICS

Aerodynamic studies of a turbine stage with relatively short blades and variable modes of operation. I. O. Virozub and others. *Zbir. prats' Inst. tepl. AN URSSR* no. 24:91-97 '62.

Effect of temperature and pressure increase on the efficiency of heat supply during the flow of a gas in canals. T. V. Mendeleva, M. M. Nazarchuk. *Zbir. prats' Inst. tepl. AN URSSR* no. 24:111-117 '62.

Heat transfer from a gas to a wall during turbulent flow within a pipe. F. S. Voronin, V. L. Letchuk. *Teplotoenergetika* 10 no. 4:61-66 Ap '63.

Investigating the resistance of cylindrical vessels in a liquid flow in pipes [with summary in English]. N. T. Shapoval. *Prikl. mekh.* 9 no. 2:201-211 '63.

Nature of gas flow in a canal near the critical point. S. V. Milovych, M. M. Nazarchuk. *Zbir. prats' Inst. tepl. AN URSSR* no. 24:98-104 '62.

Power losses in an actual turbine nozzle cascade. I. L. Myronenko. *Zbir. prats' Inst. tepl. AN URSSR* no. 24: 105-110 '62.

Use of the law of corresponding states in calculating the heat emission and critical heat flows during the boiling of a liquid. I. L. Mostinskii. *Teplotoenergetika* 10 no. 4:66-71 Ap '63.

FLUID MECHANICS

Dmitrevskii, V. I. [Hydromechanics] *Gidromekhanika.* Moskva, Izd-vo "Morskoi transport," 1962. 295 p.

FLUIDIZATION

Kinetics of the adsorption process in a countercurrent column with a fluidized bed of adsorbent. V. Flokk, V. N. Lepilin, P. G. Romankov. *Zhur. prikl. khim.* 36 no. 2:315-322 F '63.

sand drying in a fluidized bed. V. F. Durandina. *Lit. proizv.* no. 1:39-40 Ja '63.

FLUORENE

Aromatic hydrocarbons. Part 27: 2-p-Phenoxyphenyl-1, 2, 3, 6-tetrahydrobenzoic acid in the synthesis of 2-phenoxylfluorenes. V. R. Skvarchenko, D. TS. TSybkova, R. IA. Levina. *Zhur. ob. khim.* 33 no. 3:995-997 Mr '63.

FLUORESCENCE

Fluorescence analysis in detecting cars damaged by insects [with summaries in English, German, and French]. I. D. Shapiro, S. G. Zhukovskii. *Vest. sel'skhoz. nauki* 7 no. 12:117-118 D '62.

Fluorescence complexometric determination of trace amounts of calcium [with summary in English]. E. A. Bozhevolnov, S. U. Kreingold. *Zhur. anal. khim.* 17 no. 5:560-564 Ag '62.

Ultraviolet fluorescence of cells in rat lymphosarcoma. I. IA. Barskii, I. E. Brumberg. *TSitologiya* 4 no. 3: 328-330 My-Je '62.

FLUORESCENCE MICROSCOPY

Developing a method for the microscopic control of the impregnation of felt tissues. A. M. Zubin, E. P. Lazareva, S. V. Makarova. *Nauch. issl. trudy NIIMP* no. 11:80-88 '62.

Immunoluminescent method for studying the morphology of experimental rickettsioses. T. N. Chavkin, N. I. Amosenkova. *Dokl. AN SSSR* 149 no. 4:969-972 Ap '63.

Luminescence analysis of lacustrine detritus. A. G. Rodina. *Dokl. AN SSSR* 149 no. 2:434-437 Mr '63.

Luminescence microscopy of peripheral blood leucocytes from animals of various ages during X-ray irradiation. N. V. Gornjakova. *Vop. biofiz., biokhim. i pat. erit.* no. 2:146-152 '61.

Use of fluorescence microscopy in the diagnosis of skin cancer. V. Kh. Anestadi. *Trudy Kish. gos. med. inst.* 13:41-45 '60.

Use of luminescence microscopy for studying the leucocytes and their phagocytosis by the reticuloendothelium of the spleen. R. G. Kovrov, V. P. Makarov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:220-225 '61.

FLUORESCENT LIGHTING

Fluorescent lighting in electric power plants. A. IA. Kots. *Energetik* 11 no. 4:32-34 Ap '63.

FLUORIDES

Melting diagram for the ternary systems consisting of sodium, potassium, strontium, and barium fluorides. G. A. Bukhalova, Z. A. Mateiko, V. T. Berezhnaya. *Zhur. neorg. khim.* 7 no. 7:1655-1658 Ji '62.

Quaternary system: potassium, calcium, and barium fluorides. G. A. Bukhalova, V. T. Berezhnaya. *Zhur. neorg. khim.* 8 no. 4:904-908 Ap '63.

FLUORIMETRY

Datschin, a new fluorimetric reagent for zirconium [with summary in English]. A. P. Golovina and others. *Zhur. anal. khim.* 17 no. 5:591-594 Ag '62.

FLUORINE

Effect of fluorine ions on the anode solution of indium amalgam and certain regularities in electrode processes involving complexes. V. V. Losev, A. I. Molodov. *Dokl. AN SSSR* 148 no. 5:1114-1117 F '63.

Effect of paramagnetic ions on the magnetic relaxation of fluorine nuclei in solution. A. A. Popel', E. D. Grazhdannikov. *Dokl. AN SSSR* 149 no. 2:371-373 Mr '63.

Fluorine content in the drinking water in Kherson Province. A. V. Pavlov, E. A. Magid. *Probl. stom.* 6:143-146 '62.

FLUORINE—PHYSIOLOGICAL EFFECT

Duration of fluorine bonds with the mineral components of the tooth under local fluoridation. S. I. Frankovskaya. *Probl. stom.* 6:128-131 '62.

FLUORITE

Activation logging in prospecting for fluorite deposits. V. IA. Bardovskii. *Sbor. at. MGION* no. 1:112-115 '62.

FLUOROSCOPIC DIAGNOSIS see Diagnosis, Fluoroscopic

FLUX (METALLURGY)

Asinovskaya, G. A., and others. [BM-1 gas-like flux for nonferrous metal welding and brazing] *Gazoobraznyi flux BM-1 dlia svari i tsvetnykh metallov i tverdogo palki.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-104/9)

Effect of the composition of halide fluxes on the properties of welded joints in chromium-nickel alloys. IU, V. Sokolov, M. Kh. Shorshorov. *Svar. proizv.* no. 3:1-4 Mr '63.

Method of beneficiation of molten welding fluxes by means of ferroalloys. S. L. Milchenko, I. V. Zhuravlev. *Svar. proizv.* no. 3:41-42 Mr '63.

FOLK LITERATURE—HISTORY AND CRITICISM

"Folk tales on Russian epic heroes" by A. M. Astakhova. Reviewed by R. Lipets. *Sov. etn.* no. 1:180-182 Ja-F '63.

FOLK LITERATURE, SAMOYED

"Mythological tales and historical legends of the Entsy, and stories on everyday life of the Entsy" by B. O. Dolgikh. Reviewed by E. Meletinskii. *Sov. etn.* no. 1: 157-160 Ja-F '63.

FOLK POETRY

Baranov, S. F. [Russian folk poetry] *Russkoe narodnoe poeticheskoe tvorchestvo; posobie dlia studentov istoriko-filologicheskikh fakul'tetov pedagogicheskikh institutov.* Moskva, Uchpedgiz, 1962. 306 p.

FOLK SONGS—HISTORY AND CRITICISM see subdivision under Gtov District

FOLK SONGS, ARMENIAN

Armenian folk songs [in Armenian with summary in Russian]. A. R. Patmagrian. *Ist.-filol. zhur.* no. 1: 81-92 '63.

FOLKLORE see subdivision under Leshukonskoye District

FOLKLORE, YAKUT

Folklore of the Nyurba and Suntar districts. P. E. Efremov. *Nauch. soob. IAF AN SSSR* no. 6:83-89 '61.

FOLKLORE STUDIES see subdivision under Siberia

FOOD—ANALYSIS

Anisimova, A. S., F. M. Duda, and A. A. Kokoreva. [Receiving, determining the quality, and the simplest organoleptic methods for analyzing meat, fish and milk products] *Prilemka, opredelenie kachestva i prosteshaie organolepticheskie metody issledovaniia miasnykh, rybnnykh i molochnykh tovarov.* Moskva, Gosorgizdat, 1962. 247 p.

FOOD—PRESERVATION

Golovkin, N. A., and G. B. Chizhov. [Refrigeration technology for food products] *Kholodil'naya tekhnologiya pishchevykh produktov.* 2., dop. i perer. i dop. Moskva, Gosorgizdat, 1963. 240 p.

FOOD—PRESERVATION—BIBLIOGRAPHY see Bibliography—Food—Preservation

FOOD, CANNED—TESTING

Using the covers of tin containers as pickups in air leakage testing. T. I. Kukushkina. *Izv. vys. ucheb. zav. i plach. tekhn.* no. 1:146-148 '63.

FOOD, CONCENTRATED

(see also subdivision under United States)

Vsesoiuznyi seminar po proizvodstvu konservov i pishchevykh koncentratov i kukuryzy. *Moscow, 1961.* [Use of corn in the canning and concentrated food industry] *Primenenie kukuryzy v konservnoi i pishche-konsentratnoi promyshlennosti; sbornik dokladov.* Moskva, Tsent. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 37 p. [MICROFILM]

FOOD, DRIED see subdivision under United States

FOOD, FROZEN see subdivision under Ukraine

FOOD INDUSTRY

(see also subdivision under Soviet Central Asia; Uzbekistan)

Greater attention and assistance should be given to students of correspondence schools. D. T. Protasov. *Kon. i ov. prom.* 18 no. 3:1-2 Mr '63.

FOOD INDUSTRY—BIBLIOGRAPHY see Bibliography—Food industry

FOOD INDUSTRY—TESTING

Use of the RAPIR-2 radiation pyrometer for the control of the quality in roasting corn flakes. A. A. Rudzitskii, M. IA. Khalil, M. A. Klusid. *Kons. i ov. prom.* 18 no. 4: 9-12 Ap '63.

FOOD MACHINERY—SAFETY APPLIANCES

High sensitivity safety clutch. A. Z. Palamarenko. *Izv. vys. ucheb. zav. i tekhn. leg. prom.* no. 1:168-172 '63.

FOOD RESEARCH see subdivision under Ukraine

FOOT

Plantography of the foot during raising of the heel. N. K. Kushnir. *Izv. vys. ucheb. zav. i tekhn. leg. prom.* no. 1:97-107 '63.

FORAGE PLANTS see subdivision under Kyzyl Kum; Mogilov Province; Tambov Province; Voronezh Province

FORAMINIFERA, FOSSIL see subdivision under Son-Kul' region

FOREIGN BODIES (SURGERY)

Iakhnich, I. M. [X-ray diagnosis of foreign bodies] *Rentgenologicheskaya diagnostika inorodnykh tel.* Moskva, Medgiz, 1963. 247 p. (DNLM)

FOREIGN EXCHANGE

Brief information on foreign exchange and banks abroad. *Den. i kred.* 21 no. 3:85-89 Mr '63.

FOREIGN EXCHANGE (Continued)

Present-day stage of foreign exchange crisis in capitalist countries. F. Bystrov. *Dokl. akad. nauk SSSR*, 21 no. 3:75-85. *Mr* '63.

FORENSIC PSYCHIATRY

Clinical aspect and forensic psychiatric evaluation of "psychopathic" states of infectious and traumatic origin. T. N. Gordova. *Probl. sud. psikh.* 11:126-150 '61.

Clinical aspect and the forensic psychiatric importance of restless states in traumatic lesions of the central nervous system. N. I. Gorbunova-Pasadova. *Probl. sud. psikh.* 11:81-98 '61.

Clinical aspects and the course of epileptiform syndromes (diencephalic variant) of posttraumatic origin and their forensic psychiatric evaluation. I. A. Shapkin. *Probl. sud. psikh.* 11:64-80 '61.

Course of schizophrenia on an organically changed basis. O. N. Dokuchaeva. *Prak. sudebnopsikh. ekspert.* no. 7: 3-12 '62.

Difficulties in diagnosing pathological waking states. T. P. Pechernikova. *Prak. sudebnopsikh. ekspert.* no. 7:50-57 '62.

Dynamics of a "psychopathic" syndrome of posttraumatic origin according to a catamnestic survey. V. A. Melnik-Mikryukhan. *Probl. sud. psikh.* 11:166-180 '61.

Impulsive desires in oligophrenias. O. E. Freierov. *Prak. sudebnopsikh. ekspert.* no. 7:63-69 '62.

Reactive states in syphilis of the brain. N. L. Garkavi. *Probl. sud. psikh.* 11:210-224 '61.

Role of subjective complaints in the expertise on alcoholic intoxication. A. K. Kachayev. *Prak. sudebnopsikh. ekspert.* no. 7:36-41 '62.

Some variants of schizophrenialike states in a late stage of a craniocerebral wound. I. S. Gaidai. *Probl. sud. psikh.* 11:50-63 '61.

Strong emotional upset as a mitigating circumstance. G. M. Felinskaia. *Prak. sudebnopsikh. ekspert.* no. 7: 70-74 '62.

FOREST ECOLOGY

(see also subdivision under Moldavia)

Characteristics of the growth of English oak in mixed stands. V. H. Zherebtsov. *Visnyk sil'hozp. nauky* 6 no. 2:100-102. *F* '63.

Sibirskaya, M. D. [Forest types in the silvicultural regions of the European part of the U.S.S.R. with illustrations of undergrowth flora]. *Tipy lesa i sotretel'stva zimnykh raitonov evropeiskoi chasti SSSR s ilustratsiyami podrostnoi flory*. 2. Izd., ispr. i dop. Moskva, Goslesbumizdat, 1962, 207 p. (DNAL)

FOREST FIRES—CLASSIFICATION see subdivision under Yakutia

FOREST FIRES—PREVENTION AND CONTROL

Akademiya nauk SSSR, Institut lesa i drevesiny. [Forest fires and their control]. *Lesnye požary i bor'ba s nimi*. Moskva, Izd-vo Akad. nauk SSSR, 1963, 162 p. (DNAL)

Fire extinguishers in forest fires. A. Simskii. *Pozh. delo* 9 no. 2:23-24. *F* '63.

FOREST INFLUENCES

(see also subdivision under Archada-Don Sand region)

Ground water balance of pin stands in the Donets Steppe (with summary in English). A. V. Plashchev. *Pochvovedenie* no. 3:105-110. *Mr* '63.

FOREST INSECTS see subdivision under Khoper Preserve

FOREST MANAGEMENT

(see also subdivision under Estonia)

Voronin, I. V. [Organization of combined forest working circles and logging camps in forests of the first and second categories]. *Organizatsiya kompleksnykh khozjastv v lesakh pervoi i vtoroi grupp*. Moskva, Goslesbumizdat, 1962, 81 p.

FOREST ROADS

Morozov, S. I., and F. A. Pavlov. [Modern methods of building winter logging roads]. *Sovremennye metody stroitel'stva zimnykh lesovoznykh dorog*. Moskva, Goslesbumizdat, 1962, 88 p. (Nastolichno vnedriat' peredovoi opyt v proizvodstve)

FOREST SOILS

(see also subdivision under Kazakhstan)

Translocation of exchangeable calcium throughout the profile of Podzolic forest soils (with summaries in English, German, and French). B. D. Zaitsev. *Vest. sel'khoz. nauk* 7 no. 12:92-94. *D* '62.

FOREST SOILS—CLASSIFICATION

Principles underlying the classification of forest soils and methods for their study in the U.S.S.R. S. V. Zonn. *Pochvovedenie* no. 2:1-6. *F* '63.

FORESTS AND FORESTRY

(see also subdivision under Kirghizistan; Siberia)

Kolpikov, M. V. [Forestry]. *Lesovodstvo*, Izd. 4., dop. i pererab. Moskva, Goslesbumizdat, 1962, 400 p. (DNAL)

Morozov, G. F. [Principles of forestry]. *O lesovodstvennykh ustolakh*. Moskva, Goslesbumizdat, 1962, 22 p.

P'yavchenko, N. I., and E. D. Sabo. [Fundamentals of forest drainage]. *Osnovy gidrolesomeliatsii*. Moskva, Goslesbumizdat, 1962, 380 p. (DNAL)

FORESTS AND FORESTRY—BIBLIOGRAPHY see Bibliography—Forests and forestry

FORESTS AND FORESTRY—LABOR PRODUCTIVITY

Production norms in forestry. I. A. Stepanov. *Les. prom.* 41 no. 1:31. *Ja* '63.

FORESTS AND FORESTRY—VALUATION

Groshev, B. I. [Forest evaluation and the preparation of timber resources]. *Lesnaia takatsiia i podgotovka lesosochinogo fonda*. Moskva, Goslesbumizdat, 1961, 63 p. (Biblioteka tekhnika i mastersa lesa) (DNAL)

FORGE SHOPS—DESIGN AND CONSTRUCTION see subdivision under Kharkov

FORGE SHOPS—EQUIPMENT AND SUPPLIES

Belkov, G. M., and N. T. Litenko. [Effect of heating conditions on the plastic properties of 9KhF steel at forging temperatures. Skid hopper for metal feed from the furnace to the forging hammer]. *Villanie rezhima nagreva na plasticheskie svoystva stali 9KhF pri kovochnykh temperaturakh. Metallopodavatel' ot pechi k kovochnomu molotu*. [By] I. U. A. Zhuravlev. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, No. M-58-252/14)

FORGERY

Tikhonov, S. I. [Fight against the pilfering of socialist property committed by the forgery of documents]. *Bor'ba khishcheniyami sotsialisticheskoi sobstvennosti, svyazannymi s podlogom dokumentov*. [Kiev] Izd-vo Kievskogo univ., 1959, 380 p.

FORGERY OF WORKS OF ART

Attention, it is a forgery! *Nauka i zhizn'* 20 no. 12:81. *D* '62.

Masters of falsifications. V. Vladimirov. *Ogonek* 40 no. 48:30-31. *N* '62.

FORGING

Bulgakov, B. S. [Adopting the group method of press forging die blocks]. *Osvoenie gruppovoi tekhnologii kovki shtampovykh kubikov pod preseami*. Leningrad, 1962, 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovymi opytom. Seriya: Gorlachaia i kholodnaia obrabotka metallov davyaniem, no. 7)

[Forging, drop forging, periodic rolling, and the extrusion of metals]. *Kovka, gorlachaia shtampovka, periodicheskaya prokalka i pressovanie metallov*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii.

Nos. 1-3, 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, Nos. M-58-13/1, M-58-14/2, M-58-144/6)

Golovneva, M. A., and A. P. Alroshenko. [Equipment and technology of drop forging]. *Obrudovanie i tekhnologiya gorlachei shtampovki*. Moskva, Mashgiz, 1962, 368 p.

Manufacturing instrument parts and fastenings on automatic cold-upsetting machines. *Avtom. i prib.* no. 1:94. *Ja-Mr* '63.

Sokolov, N. L. [Economy of die steel in drop forging with mechanical forging presses]. *Ekonomiya shtampovoi stali pri shtampovke na krivoshipnykh kovochno-shtampovnykh pressakh*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, No. M-58-202/11)

FORGING MACHINERY

Spektor, M. I. [Economic design of dies for horizontal forging machines]. *Ekonomichnaya konstruktivnaya shtampov gorizontali'no-kovochnykh mashin*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5, No. M-58-305/15)

FORMALDEHYDE

Condensation of thiourea and alkyl phenols with formaldehyde. A. M. Kuliev, Kh. N. Kulieva. *Azerb. khim. zhur.* no. 2:65-69. '62.

Using formaldehyde solutions for the disinfection of green mail. N. S. Kitaev. *Spir. prom.* 29 no. 2:43-45. '63.

Water soluble condensation products of acetone with formaldehyde. N. I. Borodkina, S. S. Frolov. *Zhur. prikl. khim.* 36 no. 2:408-415. *F* '63.

FORMIC ACID

Nature of conjugation in esters of azodicarboxylic acid. A. P. Tomilov, I. G. Savast'yanova, S. S. Dubov. *Zhur. ob. khim.* 33 no. 3:866-867. *Mr* '63.

Vinyl formate and ethyldiene diformate. E. N. Roslovskii, A. N. Barinova. *Zhur. ob. khim.* 33 no. 3:828-830. *Mr* '63.

FORMOSA—MILITARY BASES, AMERICAN

The U.S. military bases in Formosa. *Mezhdunar. zhizn'* 10 no. 4:159. *Ap* '63.

FOUNDATIONS

(see also subdivision under Armavir; Noril'sk)

Basic aspects of the design and erection of the foundations of buildings and structures on ground which freezes to great depths. B. I. Dalmatov. *Shor. nauch. trudy*, 1:131 no. 37:5-18. '62.

The depth for foundations in heavy soils. V. P. Balakalov. *Osn., fund. i mekh. grun.* 5 no. 2:31. '63.

Litynov, P. P. [New designs for pile foundations in the construction of residential and public buildings]. *Novye konstruktivnye svaynykh fundamentov v zhilishchno-grazhdanskom stroitel'stve; stenogramma lektsii*. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961, 37 p.

Lower hollow foundation blocks. A. Bagell. *Strud. i arkh.* 11 no. 2:37. *F* '63.

Makarovich, M. P., and M. A. Shinkov. [Prefabricated foundations of buildings]. *Industriial'nye fundamenty zdaniy*. Minsk, Gos. izd-vo BSSR, Recl. nauchno-tekhn. lit-ry, 1962, 303 p.

Precast foundations for columns of industrial buildings. V. K. Dudarov. *Prom. stroit.* 40 [i. e. 41] no. 3:23-24. *Mr* '63.

"Precast foundations of industrial and residential buildings" by E. A. Sorochan. Reviewed by M. S. Gribanov. *Osn., fund. i mekh. grun.* 5 no. 2:32. '63.

Precast pile foundations. *Stroitel'* 9 no. 3:14-15. *Mr* '63.

Study of precast reinforced concrete foundations reinforced with prestressed elements. E. G. Rata, Sh. I. Tseltin, Sh. A. Aliev. *Shor. trudy NIIZheleznobetona* no. 5:3-10. '61.

Suggestions for making more precise the depth for foundations in ground subject to frost heave. M. F. Kiselev. *Osn., fund. i mekh. grun.* 5 no. 2:15-16. '63.

FOUNDING

(see also subdivision under Austria)

Automatic mold pouring. A. M. Shinkov. *Lit. proizv.* no. 5:18-19. *My* '62.

Casting the front cover of a roller bearing box. O. I. Matveich, N. I. Panchenko. *Lit. proizv.* no. 2:41-43. *F* '63.

Chelnokov, P. A. [Pulse programming device for the automatic control of foundry processes]. *Impul'snyi komandoparant dlia avtomatizatsii tekhnologicheskikh protsessov litnogo proizvodstva*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, No. P-58-85/10)

Effect of inoculation on the crystallization of alloys. N. G. Girelovich, I. U. A. Nukhendzi. *Lit. proizv.* no. 3: 10-25. *My* '62.

Mold pouring in the squeeze casting operation. A. V. Mustafachenko, E. S. Stechakov. *Lit. proizv.* no. 5:42-44. *My* '62.

Reducing the consumption of liquid steel in the production of shaped castings by the use of risers of efficient shape. V. N. Savatko, P. F. Bel'tov, E. T. Dulbansko. *Lit. proizv.* no. 2:2-4. *F* '63.

Rubtsov, N. N. [History of founding in the U.S.S.R.]. *Istoriia litnogo proizvodstva v SSSR*. Izd. 2., dop. i pererabotannoe. Moskva, Mashgiz, 1961, 207 p.

Vertical pouring of castings in the form of bodies of revolution. M. M. Milaev, I. U. A. Zhuravlev. *Lit. proizv.* no. 1:37-38. *Ja* '63.

FOUNDING—CONGRESSES

All-Union Scientific Technological Conference on Founding. *Lit. proizv.* no. 5:1. *My* '62.

FOUNDING—TECHNOLOGICAL INNOVATIONS

From student days. T. Borozdina. *Izobr. i rate*. no. 7: 23. *Ja* '62.

FOUNDRIES

Specialization of foundries. F. I. Mironchenko. *Lit. proizv.* no. 1:41. *Ja* '63.

FOUNDRIES—EQUIPMENT AND SUPPLIES

Equipment for mold drawing from flasks. V. G. Komolov. *Lit. proizv.* no. 5:14-15. *My* '62.

Foundry equipment at the 1962 Leipzig Spring Fair.

L. I. Levi. *Lit. proizv.* no. 1:44-48. *Ja* '63.

Heat insulating shells of expanded perlite. N. V. Kondler, A. G. Kamenskii. *Lit. proizv.* no. 1:4-5. *Ja* '63.

Machine units for low-pressure casting. V. K. Belep. *Lit. proizv.* no. 1:12-13. *Ja* '63.

Mechanization and automatic control of cupola charging, the shakeout and cleaning of castings. V. A. Shaposhnikov. *Lit. proizv.* no. 1:35-36. *Ja* '63.

Multiple disk sand-slinger head. A. M. Shmichev. *Lit. proizv.* no. 2:12. *F* '63.

New method of fixing blades on shot-blasting turbines. I. U. N. Tarasov. *Lit. proizv.* no. 1:40. *Ja* '63.

Principles of designing systems for the automatic distribution of molding mixtures. V. S. Shitikov. *Lit. proizv.* no. 2:40-47. *F* '63.

Small foundry equipment in short-run production. A. A. Koptelov, M. S. Nedokosh, *Lit. proizv.* no. 2:38-40. *F* '63.

FOUNDRIES—MANAGEMENT (see also subdivision under Moscow)

Improve the organization of foundry work. Lit. proizv. no. 1:1 Ja '63.

FOUNDRIES—QUALITY CONTROL

Use of correlation analysis to investigate the unit size of rejects. A. M. Gencsin, O. N. Entov. Lit. proizv. no. 1:30-31 Ja '63.

FOUNDRY SAND see Sand, Foundry

FOURIER SERIES

Conjugate functions of two variables and double Fourier series. L. V. Zhizhishvili. Dokl. AN SSSR 149 no. 4: 765-768 Ap '63.

FOXTAIL

Nature of root nodules of *Alopecurus pratensis* L. [with summary in English]. A. I. Krasnikova-Krainova. Mikrobiologiya 31 no. 6:1041-1047 N-D '62.

FRANCE—CAPITAL

Balance analysis in the enterprises of France. V. Kazanovich. Bukhg. uch. 20 no. 2:72-74 F '63.

FRANCE—COMMUNIST PARTY

For the unity of national forces. Gaston Plissonier. Part. zhizn' no. 6:61-66 Mr '63.

FRANCE—COURTS

Why did they establish the "State security court" in France? E. Melnikova. Sov. iust. no. 6:26-27 Mr '63.

FRANCE—CRIME AND CRIMINALS

The growth of criminal offenses. R. U. Sov. iust. no. 4: 31 F '63.

FRANCE—CRIMINAL JUSTICE, ADMINISTRATION OF

Why did they establish the "State security court" in France? E. Melnikova. Sov. iust. no. 6:26-27 Mr '63.

FRANCE—FINANCIAL STATEMENTS

Balance analysis in the enterprises of France. V. Kazanovich. Bukhg. uch. 20 no. 2:72-74 F '63.

FRANCE—FOREIGN RELATIONS—GERMANY, EAST

The insecure foundation of the "grandeur" of France. V. Sedukh. Mezhdunar. zhizn' 10 no. 4:12-19 Ap '63.

FRANCE—FOREIGN RELATIONS—GERMANY, WEST

Methodical advice; how to prepare a lecture on the topic: The treaty between France and West Germany is a threat to the peace of Europe. Mezhdunar. zhizn' 10 no. 4:157-159 Ap '63.

FRANCE—FOREIGN RELATIONS—RUSSIA

Report on A. A. Matveeva's diplomatic mission to France, 1905-1906. I. S. Sharkova. Trudy LOI AN SSSR no. 5:227-239 '63.

FRANCE—HISTORY

[French yearbook; articles and source materials on the history of France, 1961] Frantsuzskii ezhegodnik; statisticheskiye materialy po istorii Frantsii, 1961. Moskva, Izd-vo Akad. nauk SSSR, 1962, 539 p.

FRANCE—JOURNALISM

Iakimovich, T. K. [Satirical press of the French republican democrats from 1830-1835; a contribution to the history of 19th century realism in France] Satiricheskaya pressa frantsuzskoi respublikanskoi demokrati 1830-1835 gg.; k istorii realizma XIX veka vo Frantsii. (Kiev) Izd-vo Kievskogo univ., 1961, 181 p. (MII)

FRANCE—RELATIONS (GENERAL) WITH RUSSIA

Soviet-French cultural exchanges. S. K. Romanovskii. Sov. Soluz. no. 2:16-17 '63.

FRANCE—REVOLUTION, 1789-1793

"Revolutionary armies as a instrument of political terror in French departments, April, 1793 (Floreal of the second year of the Republic)" [in French] by R. Cobb. Reviewed by I. A. M. Zakher. Vop. ist. 38 no. 3:177-178 Mr '63.

FRANCE—SHIPBUILDING

French-built ships (from "Shipping World" nos. 3580, 3581, 1962). Sudostroenie 29 no. 1:85 Ja '63.

FRANCE—SOCIAL CONDITIONS

If the Seine River ran into the Azov Sea. Vladimir But. Smena 39 no. 24:14-15 D '62.

FRANCE—STEEL INDUSTRY

French metallurgy and the bloc of six. IU. Pavlov. Mir. ekon. i mezhdunar. otn. no. 3:100-106 '63.

FRANCE—STRIKES AND LOCKOUTS—COAL MINERS

All France is with them. Georgii Dad'ianta. Ogonek 41 no. 12:4-5 Mr '63.

Among the striking miners of France. Sergo Zeyons. Nov. vrem. 20 no. 14:8-9 Ap '63.

The strike of French miners; an interview with Paul Laurent. Nov. vrem. 20 no. 16:16-17 Ap '63.

FRANCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENT

A one-sided approach to the history of the French Resistance Movement. V. P. Smirnov. Vop. ist. 38 no. 3:199-200 Mr '63.

FRANCE—YOUNG WOMEN

Girls of France on and off stage. P. Smolenskii. Smena 40 no. 5:23 Mr '63.

FRANKO, IVAN, 1856-1916

German realist writers of the 19th century as appraised by Ivan Franko. O. V. Khomyts'kiy. Rad. lit. 7 no. 1: 62-71 Ja-F '63.

Life-giving spring. V. Perederil. Sov. Ukr. 13 no. 2: 161-164 F '63.

"Pillars of society." H. S. Sikoda. Rad. lit. 7 no. 1: 54-61 Ja-F '63.

FRANZ JOSEF LAND—GLACIOLOGICAL RESEARCH

"Moon archipelago." V. Markin. Vokrug sveta no. 2: 38-40 F '63.

FRANZ JOSEF LAND—METEOROLOGY—OBSERVATIONS

Akademika nauk SSSR, Institut geografii. [Franz Josef Land; Meteorology] Zemlia Frantsia-Jozefa; Meteorologiya, Moskva, [is: Materialy glatsiologicheskikh issledovaniy] [With summary in English] No. 5. Markin, V. A. [Gradient observations] Gradientnye nabludeniya, 1962, 170 p.

FRAUD

Charming sharks and tactful personnel managers. B. Zolotarev. Sov. iust. no. 7:26-27 Ap '63. Criminal responsibility for fraud. N. Dmitrev. Sov. iust. no. 7:16-18 Ap '63.

FREIGHT AND FREIGHTAGE

Brugshki, M. I. [Structure of contractual relations and the liability of contracting parties in the direct transportation of goods] Struktura dogovornykh svyazei i otvetstvenosti uchastnikov pri postavkakh tranzitami, Moskva, Vses. turiz. zaochnyi in-la, 1960, 142 p.

FREIGHT AND FREIGHTAGE—CLAIMS

Decisions of arbitration agencies. Sov. iust. no. 7:32 Ap '63.

From the practice of arbitration agencies. Sov. iust. no. 4:32 F '63.

Liability of transportation agencies for the accidental loss of textiles. B. Khaske'berg, S. Khitrinskii, A. T'svelev. Sov. iust. no. 4:28-29 F '63.

FREIGHTERS see subdivision under Germany, West

FRENCH LANGUAGE—SPOKEN FRENCH

Development of oral speech habits during French language lessons. E. I. A. Buteneva. Dokl. APN 6 no. 6: 51-54 '62.

FRENCH LANGUAGE—TRANSLATING

Oak, V. G., and IU. I. L'vin. [Course in translation: French, sociopolitical vocabulary] Kurs perevoda: frantsuzskii iazyk; obshchestvenno-politicheskaya leksika, Moskva, Izd-vo IMO, 1962, 434 p.

FRENCH SATIRE see Satire, French

FREONS

Heat exchange in the boiling of Freon-12 and Freon-22. G. V. Rattani, D. I. Avellanet. Khol. tekhn. 40 no. 1:40-44 Ja-F '63.

FREQUENCY CHANGERS

Choice of rectifiers for use in frequency converters. N. V. Soloznev. Avtom. telemek. i svyaz' 7 no. 2:13-17 F '63.

FREQUENCY MEASUREMENTS

Frequency selector. P. S. Ushogli, A. S. Goncharuk. Atvorn. i prib. no. 1:83-84 Ja-Mr '63. Interpretation of magnetic anomalies ΔT_h by the frequency method. O. A. Solov'ev. Geol. i geofiz. no. 11:126-129 '62.

A low-frequency meter. V. Frolov. Radio no. 12:23-24 D '62.

Odintsov, M. D. [Sonic-frequency phase meter.

Reverberation absorption meter] Fazometr zvukovykh chastot. Reverberatsionnyi izmeritel' pogloshcheniya. [By] S. A. Doidek. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 18 p. (Pereodovoi nauchno-tehnicheskii i proizvodstvennyi opyt. Tema 38. No. P. 58-145/4)

Utlamyshov, R. I. [Apparatus for precise measurement of the frequency of power supply sources in a frequency range of 300 to 1500 c.p.s.] Apparatura dlia tochnogo izmereniia chastoty istochnikov elektricheskoi energii v diapazone 300-1500 gts. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 23 p. (Pereodovoi nauchno-tehnicheskii i proizvodstvennyi opyt. Tema 38. No. P. 58-39-10)

FREQUENCY MULTIPLIERS

Commutation methods for multiplying the frequency of a traveling-wave. S. M. Egudov. Radiotekhnika 18 no. 3: 17-22 Mr '63.

FREQUENCY REGULATION

Stability and dynamic properties of an astatic automatic phase frequency trim system. IU. N. Bakaev. Radiotekhn. i elektron. 8 no. 3:513-516 Mr '63.

FRERET, NICOLAS, 1688-1748

A forerunner of the Encyclopedists. U. Kogan. Nauka i rel. 4 no. 3:34-40 Mr '63.

FRESHWATER BIOLOGY see subdivision under Mozhaysk Reservoir; Ucha Reservoir

FRESHWATER FAUNA

(see also subdivision under Baikal, Lake) Device for studying the effect of flow on aquatic invertebrates. L. A. Luferova. Biol. inst. biol. vodokhran. no. 12:62-64 '62.

FRESHWATER FAUNA—FOOD

Luminescence analysis of lacustrine detritus. A. G. Rodina. Dokl. AN SSSR 149 no. 2:434-437 Mr '63.

FRESHWATER FLORA see subdivision under Gorkiy Reservoir; Kama Reservoir; Volga Reservoir

FRICTION

Preheating on a heavily loaded contact. D. T. Avdeev. Trudy NPI 131:109-117 '62.

Regulation of the antifriction mechanism of balancing machines. B. E. Gorskiy. Izv. vys. ucheb. zav.; tekhn. leg. prom. no. 1:173-182 '63.

Results of testing friction members of tractors on the TIS-1 stand. A. P. Begidzhanova, G. M. Kharach, S. N. Popov. Trakt. i sel'khozmaash. 33 no. 1:7-11 Ja '63.

Study of the vibrations of a Foucault-Zhukovskii pendulum allowing for Coulomb friction forces. V. A. Tabueva. Sib. mat. zhur. 4 no. 2:377-390 Mr-Apr '63.

FROZEN FISH see Fish, Frozen

FROZEN FRUIT see Fruit, Frozen

FROZEN GROUND

(see also subdivision under Vilyuy Valley)

Air permeability of frozen soils as related to soil tillage and moisture [with summary in English]. P. A. Larkin. Pochvovedenie no. 2:78-81 F '63.

Basic aspects of the design and erection of the foundations of buildings and structures on ground which freezes to great depths. B. I. Danilov. Shor. nauch. trud. LSI no. 37:5-18 '62.

Chibrikov, G. A. [Mechanized methods of eliminating frost heave] Mekhanizirovannye sposoby likvidatsii puchiny; opyt putet'sev Vostochno-Sibirskoi, Uzhno-Ural'skoi i Zapadno-Sibirskoi dorog. Moskva, Transzheldorizdat, 1963, 55 p.

Construction of buildings on fill beyond the Arctic Circle. L. P. Markizov. Osn. i fund. i mekh. grun. 5 no. 2:24-27 '63.

The depth for foundations in heaving soils. V. P. Ushakov. Osn. i fund. i mekh. grun. 5 no. 2:31 '63.

Flame drilling of bore holes in frozen ground. B. I. Kammonka. Prom. stroi. 40 [i. e. 41] no. 3:36-38 Mr '63.

Machines for working frozen ground at the Exhibition of Achievements of the National Economy of the U. S. S. R. A. S. Selenevich. Stroi. i dor. mash. 8 no. 2:3-6 F '63.

Method of making calculations for thermal conditions of spillways built on permafrost. V. N. Grandievskii. Izv. vys. ucheb. zav.; stroi. i arkhit. 9 no. 1:87-94 '63.

More about drilling in frozen ground. N. I. Chikharov. Transp. stroi. 13 no. 2:43-44 F '63.

Numerical integration of the Stefan classical problem in the presence of phase transitions in the temperature spectrum. V. G. Melamed. Izv. AN SSSR, Ser. geofiz. no. 2:340-344 F '63.

Results of a study of the interaction of an impact working part when breaking down frozen and hard soils. V. P. Ponomarev. Stroi. i dor. mash. 8 no. 2:17-19 F '63.

Study of frost heave of soils incompletely saturated with water. V. M. Karpov. Shor. nauch. trud. LSI no. 37: 42-55 '62.

Suggestions for making more precise the depth for foundations in ground subject to frost heave. M. F. Kiselev. Osn. i fund. i mekh. grun. 5 no. 2:15-16 '63.

Winter earth work using a solution of sodium chloride. A. N. Panteleev. Prom. stroi. 40 [i. e. 41] no. 3:34-36 Mr '63.

Zhinkin, G. N., and N. A. Peretrushkin. [Roadbed construction in permafrost regions] Booruzhenie zemliannogo polotna zheleznykh dorog v raionakh vechnoi mrozloty; uchebnoe posobie po kursu "Stroitel'stvo zheleznykh dorog" dlia studentov dnevnoy, vechernoy i zaocnoy obucheniya. Leningrad, Leningr. in-t inzhenerov zhel-dor. transporta im. V. N. Oraztsova, 1961, 61 p.

FROZEN GROUND—TESTING

Study of the strength properties of saline frozen ground. N. N. Morareskul. Shor. nauch. trud. LSI no. 37:50-61 '62.

FROZEN MEAT see Meat, Frozen

FROZEN VEGETABLES see Vegetables, Frozen

FRUIT—CHEMICAL COMPOSITION

Determining the quantity of juice in the refractometric evaluation of the quality of vegetables and fruit. V. V. Nekrasov, I. U. G. Skripnikov. Vest. sel'khoz. nauki 7 no. 12:123-124 D '62.

FRUIT—DISEASES AND PESTS

(see also subdivision under Ukraine)

Low-volume surface spraying of fruit-bearing orchards. Vianky sil'hosp. nauky 6 no. 2:119 F '63.

Spring use of carbolineum in orchards. Vianky sil'hosp. nauky 6 no. 2:119-120 F '63.

FRUIT, FROZEN

Manufacture of frozen fruits and vegetables. A. A. Pavlenko. Kons. i ov. prom. 18 no. 4:19 Ap '63.

FRUIT CULTURE

(see also subdivision under Moldavia)

[Concise manual for the fruit grower] Kratkiy spravochnik sadovoda. [By] V. V. Brodskiy i dr. 3., ispr. i dop. izd. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1962. 353 p. (DNAL)

Seminar on the use of machinery in orchards, berry patches, and nurseries. B. I. Odel'mov. Trakt. i sel'khoz. mash. 33 no. 2:48 F '63.

Subjects of experiments in a fruit and berry nursery. E. V. Kolesnikov. Shkola i proizvod. 6 no. 11:18-22 N '62.

Utilization of solar radiation in planning orchards [with summaries in English, German, and French]. V. M. Shul'gin. Vest. sel'khoz. nauki 7 no. 12:125-127 D '62.

FRUIT CULTURE—CONGRESSES

A congress on fruit culture. P. I. Lapin. Vest. AN SSSR 33 no. 3:121-122 Mr '63.

FRUIT JUICES

Deaeration of fruit and berry juices under a vacuum. A. A. Mamakov, A. A. Erofeev, N. I. Tupalov. Izv. vys. ucheb. zav. i spets. shk. no. 1:77-81 '63.

Using the enzyme method for the production of clarified juices. E. I. Vilenkaia. Spirt. prom. 29 no. 2:23-26 '63.

FRUIT TREES

Evdokimov, A. P. [Grafting and regrafting fruit trees] Privivka i pereprivivka plodovykh derev'ev. [Moskva] Izd-vo Mosk. univ., 1963. 28 p. (DNAL)

FRUNZE, MIKHAIL VASIL'EVICH, 1885-1925

Gamburg, I. K., and others. [Life and work of M. V. Frunze] M. V. Frunze: zhizn' i delatel'nost'. Pod obshchey red. F. N. Petrova. Moskva, Gospolitizdat, 1962. 349 p.

FRUNZE—AGRICULTURAL MACHINERY INDUSTRY

He is lucky. Izobr. i rats. no. 7:20 JI '62.

FUČIK, JULIUS, 1903-1943

A man of inexhaustible optimism. Adolf Hoffmeister. Sov. pech. no. 2:58-59 F '63.

National hero of Czechoslovakia; on the 60th anniversary of Julius Fučík's birth. M. D. Semenchuk. Ukr. ist. zhur. 6 no. 1:101-103 Ja-F '63.

Real man. Ogonek 41 no. 9:25 F '63.

Sun in the service of socialism. A. Bochkarev. Uzbekistan 22 no. 2:24 F '63.

FUEL

(see also subdivision under Kazakhstan)

From the editor. V. I. Titkov. Neftianik 8 no. 1:34 Ja '63.

Papok, K. K., and N. A. Ragozin. [Technical dictionary—manual on fuel and oils] Tekhnicheskii slovar'-spravochnik po toplivu i maslam. Izd. 3., dop. i perer. Moskva, Gostoptekhizdat, 1963. 767 p.

Spare no effort in trying to decrease the expenditure of fuel in electric power plants. Energetik 10 no. 8:1-3 Je '62.

Where and what fuel to use. E. Radulov. Plan. khoz. 40 no. 4:74-77 Ap '63.

FUEL—BIBLIOGRAPHY see Bibliography—Fuel

FUEL—CLASSIFICATION

Parameter of a uniform classification of solid fuels. P. K. Finkel'shtein. Koks i khim. no. 3:3-8 '63.

FUEL PUMPS—VIBRATION

Experimental investigation of the vibration of the rack of a fuel pump. O. P. Ponomarev, E. V. P'ladichev. Trakt. i sel'khoz. mash. 33 no. 1:15-19 Ja '63.

FUNCTIONAL ANALYSIS

Extremum problems in the theory of polynomial operators. D. L. Lerman. Mat. sbor. 60 no. 3:354-365 Mr '63.

Extremum properties of star-shaped mappings. I. A. Aleksandrov, V. V. Chernikov. Sib. mat. zhur. 4 no. 2:241-267 Mr-Apr '63.

Functionals determined on certain classes of analytic functions. V. G. Lozovik. Ukr. mat. zhur. 15 no. 1:95-100 '63.

Variational problems bearing on the optimization of control processes and involving functionals depending on intermediate coordinate values. V. A. Troitskii. Dokl. AN SSSR 149 no. 2:268-271 Mr '63.

FUNCTIONS

Approximation of functions, which vanish at the boundary of the region together with their partial derivatives, by functions of a special type. I. U. Kharruk. Sib. mat. zhur. 4 no. 2:408-425 Mr-Apr '63.

Generalization of a theorem of A. F. Timan. I. U. A. Brudnyi. Dokl. AN SSSR 148 no. 6:1237-1240 F '63.

Generalized Liouville differentiation and $L_p^r(E_n)$ functional spaces; imbedding theorems. P. I. Lizorkin. Mat. sbor. 60 no. 3:325-352 Mr '63.

$L_{p,1}(E_2, \dots, E_n)$ classes and an imbedding theorem for abstract functions of sets. A. Kh. Gudiev. Dokl. AN SSSR 149 no. 2:241-244 Mr '63.

Lebesgue function of a certain linear approximation process. N. M. Pavlovskii. Dokl. AN SSSR 148 no. 6:1261-1264 F '63.

On a class of functions, univalent in a unit circle. V. G. Lozovik. Izv. vys. ucheb. zav. i spets. shk. no. 2:83-89 '63.

Optimal quadrature formulas. I. Babuška. Dokl. AN SSSR 149 no. 2:227-229 Mr '63.

Quadrature and interpolation formulas on tensor products of certain classes of functions. S. A. Smolitsk. Dokl. AN SSSR 148 no. 5:1042-1045 F '63.

Regularization in a certain class of nonintegrable functions and its relation to the division problem. V. P. Palamodov. Mat. sbor. 60 no. 3:270-292 Mr '63.

Representation of the imaginary parts of amplitudes for many-particle intermediate states. A. M. Brodskii. Dokl. AN SSSR 148 no. 6:1275-1278 F '63.

FUNCTIONS, ANALYTIC

Analytic properties of contributions of Feynman diagrams. D. I. A. Petrins. Dokl. AN SSSR 149 no. 4:808-811 Ap '63.

Asymptotic evaluation of the coefficients of expansion in certain systems of analytic functions. M. I. Shabunin. Sib. mat. zhur. 4 no. 2:446-456 Mr-Apr '63.

Belozero, S. E. [Principal stages of the development of the general theory of analytic functions] Osnovnye etapy razvitiia obshchei teorii analiticheskikh funktsii. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1962. 311 p.

A boundary value problem typifying Carleman's problem. E. G. Khasanov. Izv. vys. ucheb. zav. i spets. shk. no. 2:124-133 '63.

Functionals determined on certain classes of analytic functions. V. G. Lozovik. Ukr. mat. zhur. 15 no. 1:95-100 '63.

FUNCTIONS, CHARACTERISTIC see Eigenfunctions

FUNCTIONS, CONTINUOUS

Approximation of nonperiodic functions by polynomials on a system of segments. V. K. Dzidnyk. Ukr. mat. zhur. 15 no. 1:88-94 '63.

Concept of random normed space. A. N. Shernstnev. Dokl. AN SSSR 149 no. 2:280-283 Mr '63.

Lebesgue functions for certain linear approximation methods on a finite interval by ordinary polynomials. N. A. Pogodicheva. Ukr. mat. zhur. 15 no. 1:100-101 '63.

Order of ϵ -entropy growth on certain compact classes of functions. I. U. A. Brudnyi, B. D. Kotliar. Dokl. AN SSSR 148 no. 5:1001-1004 F '63.

Some properties of averaged functions. V. G. Evstigneev. Dokl. AN SSSR 148 no. 6:1240-1252 F '63.

FUNCTIONS, ENTIRE

Determining the class of convergence of an interpolation series for Abel-Goncharov's and Gel'fond's problems. M. I. Shabunin. Dokl. AN SSSR 149 no. 2:272-275 Mr '63.

FUNCTIONS, POTENTIAL see Differential equations, Partial

FUNCTIONS, TRANSCENDENTAL

Some remarks on rational-polynomial Chebyshev approximations of functions as compared to segments of factorizations of Chebyshev polynomials [with summary in French]. E. I. A. Remez, V. T. Gavriluk. Ukr. mat. zhur. 15 no. 1:46-57 '63.

FUNCTIONS OF COMPLEX VARIABLES—PROBLEMS, EXERCISES, ETC.

Boundary value problems in the axi-symmetric theory of elasticity. Method of p-analytical functions of complex variables [with summary in English]. G. N. Polozhii. Ukr. mat. zhur. 15 no. 1:25-45 '63.

FUNCTIONS OF REAL VARIABLES

Structural properties of a graph representing a function of two real variables. F. I. Shmidov. Izv. vys. ucheb. zav. i spets. shk. no. 2:155-163 '63.

FUNCTIONS OF SEVERAL VARIABLES

Conjugate functions of two variables and double Fourier series. L. V. Zhizhiashvili. Dokl. AN SSSR 148 no. 4:765-768 Ap '63.

FUNGI see subdivision under Golodnaya Steppe

FUNGICIDES

Chemistry that kills. I. Titova. Znan. zhita 38 no. 2: 4-6 F '63.

New fungicides for controlling fruit diseases. Vianky sil'hosp. nauky 6 no. 2:118 F '63.

FUR

Methods of measuring the volume of production and labor productivity in the fur industry. Z. N. Khutak. Nauch. issl. trudy NIMP no. 11:71-79 '62.

FUR—DRESSING AND DYEING

Changes occurring in the sulfur-containing components of the hair keratin of rabbit skins dyed with indigo black dyes. G. P. Kadzhardzova. Nauch. issl. trudy NIMP no. 11:20-37 '62.

Control of dye baths in fur dyeing with vat dyes. M. I. Goland, E. M. Metelkina, I. A. Drozhulina. Nauch. issl. trudy NIMP no. 11:13-28 '62.

Developing a method for the microscopic control of the impregnation of pelt tissues. A. M. Zubin, E. P. Larova, S. V. Makareva. Nauch. issl. trudy NIMP no. 11:80-90 '62.

Specification of the method for the black dyeing of sheep skins with oxidizing dyes in processing without re-dyeing. R. G. Sal'mukova. Nauch. issl. trudy NIMP no. 11:10-13 '62.

FUR—GRADING

Commercial characteristics of dressed and dyed skins of local karakul and astrakhan lamb. B. A. Kuznetsov, V. S. Polomeeva. Nauch. issl. trudy NIMP no. 11:51-70 '62.

FUR TRADE

(see also subdivision under Leningrad)

Soiuzpushnina. [Soviet peltry and fur goods] Sovetskoe pushno-mekhovoye tovary. [Moskva, n.d.] 1 v. [With parallel texts in Russian and English]

FURAN

Formation of ion-radicals under the effect of gamma rays on the system tetrahydrofuran — styrene at -100°. A. I. Nepomniashchii, V. I. Muronov, Kh. S. Bagdasarian. Dokl. AN SSSR 149 no. 4:801-804 Ap '63.

Infrared spectra of the coumarin and furanocoumarin series. M. E. Perol'son. Zhur. ob. khim. 33 no. 3: 952-955 Mr '63.

New catalysts for the production of tetrahydrofuran and γ -butyrolactone from 1,4-butanediol. V. I. Ivanov, B. N. Dolgov. Khim. i kat. 4 no. 1:165-168 Ja-F '63.

New method of synthesizing 2,4,5-trialkylfurans. I. F. Bel'nik, N. I. Shaikin. Izv. AN SSSR. Obshch. khim. nauk no. 4:723-726 Ap '63.

2-Vinylfuran oxide. K. I. U. Novitskii, A. F. Oleish, I. U. K. Ur'ev. Zhur. ob. khim. 33 no. 3:1043-1044 Mr '63.

FURAN—ABSORPTION SPECTRA

Absorption spectra and halochromism of furan analogs of methoxychalcones and their vinyl analogs. V. F. Lavrushin, S. V. Tsukerman, A. I. Arlenenko. Zhur. ob. khim. 33 no. 3:870-883 Mr '63.

FURNACES

Burning of gas in a furnace with low-pressure slotted burners. M. T. Kruk, T. B. Unten. Energetik 11 no. 4:8-11 Ap '63.

Burning of liquid fuels in combustion chamber. A. D. Gorbachenko and others. Teploenergetika 10 no. 4:41-49 Ap '63.

Calculation of heat exchange in furnaces operating on gas, fuel oil, and pulverized coal. A. M. Gurvich, V. V. Mor. Energomashinostroyeniye 9 no. 2:47-49 F '63.

Device for automatic determination of incomplete chemical combustion and correction of the fuel-air balance. B. G. Simachevich. Elektr. sta. 34 no. 3:25-28 Mr '63.

Methodology for calculating and designing centrifugal jets for atomizing fuel oils. Z. I. Geller, M. I. A. Morshkin. Teploenergetika 10 no. 4:87-91 Ap '63.

Regulation of the combustion of natural gas and fuel oil in large boilers. A. K. Vukov. Elektr. sta. 34 no. 3:9-12 Mr '63.

Removal of dust from the housing of a pulverized coal feeding device operating on compressed air. V. S. Demidov, P. P. Tsybul'skii. Energetik 11 no. 4:11 Ap '63.

FURNACES—TESTING

Results of testing SU-20-30 boilers with PMZ-1.75 furnaces. E. V. Nechaev. Energomashinostroyeniye 9 no. 1:15-19 Ja '63.

FURNACES, HEAT TREATING

Highly economical tubular gas heating elements for heating and heat-treating furnaces. O. D. Smilian, K. V. Dneprenko. Metalloved. i term. obr. met. no. 3:54-57 Mr '63.

Roller OKB-885 electric furnace for the secondary annealing of transformer steel. V. I. Filippov, V. V. Metalloved. i term. obr. met. no. 3:49-51 Mr '63.

Typical gas heat treating furnaces with hotie hearth. L. G. Stanovskii. Metalloved. i term. obr. met. no. 3: 44-49 Mr '63.

FURNACES, HEATING

- Automatic gas-pressure control systems in the working area of regenerative soaking pits.** V. S. Kostogryzov, O. L. Tsygankov. *Avtom. i prib.* no. 1:15-21 Ja-Mr '63.
- Closed system for automatic flame tongue reversing in regenerative soaking pits.** B. G. Alekseev, A. F. Kravtsov, B. L. Poletaev. *Avtom. i prib.* no. 1:12-15 Ja-Mr '63.
- Device for automatic measurement of the output in thermostat systems of continuous furnaces for rolling mills.** V. N. Astasurov and others. *Avtom. i prib.* no. 1:4-7 Ja-Mr '63.
- Highly economical tubular gas heating elements for heating and heat-treating furnaces.** O. D. Smilan, K. V. Dneprenko. *Metalloved. i term. obr. met.* no. 3:54-57 Mr '63.

FURNITURE

- Furniture for dormitories.** B. Zukin, I. Serediuk, G. Chuloi. *Stroi. i arkhitekt.* 10 no. 7:37-39 Ji '62.

FURNITURE INDUSTRY

see subdivision under Germany, East; Rostov Province

FUSARIUM

- Effect of the metabolites of Fusarium mutants on higher plants [with summary in English].** A. A. Imshenetskiy, O. M. Ulianava. *Mikrobiologiya* 31 no. 6:1029-1037 N-D '62.

FUSED SALTS—ELECTRIC PROPERTIES

- Capacitance of a double electric layer in solid electrolytes.** A. T. Filinaev, S. V. Karpachev, S. P. Pal'guev. *Dokl. AN SSSR* 149 no. 4:909-910 Ap '63.
- Capacitance of the double layer in binary melts $CdCl_2$ - KCl and $CdCl_2$ - $NaCl$.** I. U. K. Delimarskiy, V. F. Grishchenko. *Zhur. neorg. khim.* 8 no. 4:1016-1017 Ap '63.
- Electric conductance of melts in the system Cs , Ba , NO_2 , NO_3 .** P. I. Protchenko, T. A. Andreeva. *Zhur. neorg. khim.* 7 no. 7:1048-1054 Ji '62.

GAGARIN (VORONEZH PROVINCE)—STONE AGE

- New archaeological excavations at the ancient site of Gagarino.** L. M. Tarasov, Krat. soob. Inst. arkeol. no. 92:56-60 '62.

GAI, GAI

see *Bzheskants, Gaik Dmitrievich*

GALAXIES

- Distance moduli of the nearest galaxies according to Cepheids [with summary in English].** I. U. P. Pakovskiy, *Astron. zhur.* 40 no. 2:385-397 Mr-Ap '63.
- Dynamics of a nonsteady-state galaxy [with summary in English].** I. L. Genkin. *Astron. zhur.* 40 no. 2:312-317 Mr-Ap '63.

GALENA—ELECTRIC PROPERTIES

see subdivision under Verkhoyansk Range

GALL BLADDER—DISEASES

- Combined treatment of inflammatory diseases of the gall bladder and the bile ducts.** E. M. Chelak. *Trudy Kish. gos. med. inst.* 13:53-54 '60.
- Nutrition in cholecystitis.** G. F. Markova. *Zdorov'e* 9 no. 2:26-27 F '63.

GALL BLADDER—RADIOGRAPHY

- Method for intravenous cholecystography.** M. B. Balaban, A. P. Burkolov. *Trudy Kish. gos. med. inst.* 13:171-173 '60.

GALLIUM—METALLURGY

- Coefficients of the separation of germanium and gallium during the distillation of their chlorides.** A. A. Batsuev, A. S. Cherniak. *Izv. AN SSSR, Otd. tekhn. nauk, Met.* 1 gor. delo no. 1:76-79 Ja-F '63.

GALLIUM ARSENIDE

- Recombination luminescence of AsGa and Ge following excitation by fast electrons.** N. G. Basov, O. V. Bogdankevich. *Zhur. eksp. i teor. fiz.* 44 no. 3:1115-1116 Mr '63.

GAMES OF STRATEGY (MATHEMATICS)

- Examples of games played by automats.** M. L. Tsetlin, V. I. Krylov. *Dokl. AN SSSR* 149 no. 2:204-207 Mr '63.

GAMMA-RAY SPECTROMETER

- Inverse matrix of the sensitivity function of a scintillation spectrometer.** A. V. Larichev, V. V. Laricheva. *Vop. doz. i zashch. ot izluch.* no. 1:150-155 '62.
- Microsecond spectrometer based on transit-time measurement.** E. A. Kramer-Ageev, V. S. Troshin. *Vop. doz. i zashch. ot izluch.* no. 1:131-136 '62.
- Scintillation spectrometer for studying the spectral angular distributions of electron bremsstrahlung.** G. A. Cherevatenko, A. V. Larichev. *Vop. doz. i zashch. ot izluch.* no. 1:125-130 '62.
- Spectrometer of β - γ coincidences.** V. F. Baranov, I. M. Dmitrievskiy, I. U. S. Zhenin. *Vop. doz. i zashch. ot izluch.* no. 1:113-120 '62.
- Use of the modeling method in determining the efficiency of a scintillation γ -spectrometer.** G. A. Fedorov, I. E. Konstantinov. *Vop. doz. i zashch. ot izluch.* no. 1:121-124 '62.

GAMMA RAYS

- Build-up factors of the dose of low-energy γ -rays in aluminum.** A. V. Larichev, V. I. Mitin. *Vop. doz. i zashch. ot izluch.* no. 1:55-56 '62.
- Characteristics of a proportional counter for mixed γ -neutron radiation.** V. I. Ivanov, V. S. Troshin. *Vop. doz. i zashch. ot izluch.* no. 1:84-89 '62.
- Effect of channels in the shielding on the attenuation of γ -radiation from extended sources.** A. V. Larichev, V. P. Levchenko, D. P. Osanov. *Vop. doz. i zashch. ot izluch.* no. 1:66-73 '62.
- Formation of ion-radicals under the effect of gamma rays on the system tetrahydrofuran \rightarrow styrene at -196° .** A. I. Nepomneshchii, V. I. Murontsev, Kh. S. Bagdasarian. *Dokl. AN SSSR* 149 no. 4:901-904 Ap '63.
- Methods for determining the induced activity of threshold indicators.** V. P. Mashkovich. *Vop. doz. i zashch. ot izluch.* no. 1:100-107 '62.
- More accurate values for the gamma-constants of radioisotopes.** N. G. Gusev, V. P. Mashkovich, B. V. Verbitskiy. *Vop. doz. i zashch. ot izluch.* no. 1:7-23 '63.
- New type of nomogram for gamma-ray defectoscopy.** S. Popov. *Atom. energ.* 14 no. 4:418-419 Ap '63.
- Radiation source for gamma-ray defectoscopy [Thulium-170 as a radiation source for gamma-ray defectoscopy].** T. I. 170 kak istochnik izlucheniya dlya gamma-defektoskopii, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Moskva, Tema 23, No. M-56-109/1)
- Scintillation γ -dosimeter with compensation for energy dependence.** A. V. Larichev, V. P. Levchenko. *Vop. doz. i zashch. ot izluch.* no. 1:81-83 '62.
- Self-absorption of γ -radiation in extended sources.** V. I. Popov. *Vop. doz. i zashch. ot izluch.* no. 1:33-36 '62.
- Some dosimetric characteristics of a small-volume SRM-10 counter.** A. M. Ranchevko. *Atom. energ.* 14 no. 4:408-409 Ap '63.
- Some experimental data on radiation from cylindrical sources.** V. I. Popov. *Vop. doz. i zashch. ot izluch.* no. 1:37-45 '62.
- Use of Sakharov's counter in a sharply varying gamma-radiation field.** V. V. Pavlov. *Vop. doz. i zashch. ot izluch.* no. 1:78-80 '62.
- Use of standardized dosimeters in fields of pulsed γ -radiation.** A. M. Ranchevko. *Vop. doz. i zashch. ot izluch.* no. 1:74-77 '62.

GAMMA RAYS—INDUSTRIAL APPLICATIONS

- Melting glass with gamma rays.** S. M. Brekhovskikh, I. U. L. Grinshtein. *Stek. i ker.* 20 no. 4:9-10 Ap '63.
- Radioisotope method for separating potato tubers from soil lumps and stones.** R. A. Srapenants, S. A. Said-Khodzhaev. *Trakt. i sel'khoz. mash.* 33 no. 2:36-39 F '63.

GAMMA RAYS—MEASUREMENTS

- Kondurov, I. A., and V. B. Cherniaev. [128-Channel matrix-type amplitude analyzer] 128-kanal'nyi matritsichnyi amplitudnyi analizator. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 41, No. P-58-40/2)**

GAMMA RAYS—PHYSIOLOGICAL EFFECT

- Effect of gamma rays of Co^{60} on the armyworm *Laphygma exigua* Hb.** V. R. Sidorova. *Vop. biol. i kraev. med.* no. 3:154-158 '62.
- Sensibilization of tumoral cells to the action of ionizing radiation caused by the inhibitors of radical reactions.** G. G. Afanas'ev, L. P. Lipichina, I. I. Pelevina. *Dokl. AN SSSR* 148 no. 5:1199-1201 F '63.

GAMMA RAYS—SCATTERING

- Contribution of the radiation resulting from multiple scattering in a volume source to the radiation dose behind the shielding.** D. P. Osanov. *Vop. doz. i zashch. ot izluch.* no. 1:46-52 '62.
- Determination of the build-up factors of scattered radiation from extended sources.** D. P. Osanov, E. E. Kovalev. *Vop. doz. i zashch. ot izluch.* no. 1:53-54 '62.

GAMMA RAYS—SPECTRA

- Kondurov, I. A., and V. B. Cherniaev. [128-Channel matrix-type amplitude analyzer] 128-kanal'nyi matritsichnyi amplitudnyi analizator. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 41, No. P-58-40/2)**

GAMZATOV, HASUL GAMZATOVICH, 1923-

- "High stars" by Rasul Gamzatov. Reviewed by M. Tolchenova. *Ogonek* 41 no. 11:24 Mr '63.
- "Lofly stars"; verse by Rasul Gamzatov. Reviewed by V. Voronov. *Znamia* 33 no. 3:210-212 Mr '63.

GARAGES—EQUIPMENT AND SUPPLIES

- GARO, trust, Moscow. [Garage and repair equipment; catalog-handbook] Garazhnoe i remontnoe oborudovanie; katalog-spravochnik. Moskva, Avtotransizdat, 1962, 270 p.**

GARDENING—STUDY AND TEACHING

- "Lessons on gardening" by E. A. Khvatova. Reviewed by I. I. Gabev. *Shkola i proizv.* 6 no. 11:95 N '62.

GARMENT CUTTING

- Karasev, V. K., and V. F. Shan'gina. [Analyzing fabric cutting by series] Analiz serijnogo raskroia tkaney; iz opyta raboty svernykh fabrik. Leningrad, 1962, 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen periodovym opytom. Seriya: Shkolnaya promyshlennost', no. 2)**

GARNET—ANALYSIS

- X-ray determination of garnets.** I. A. L. Giller. *Rent. min. syr.* no. 1:79-96 '62.

GAS—PURIFICATION

- Removal of peat ash from flue gases.** N. I. Davidovich, A. V. Shamln. *Energetik* 11 no. 4:15-17 Ap '63.

GAS, NATURAL

- (see also subdivision under Caucasus, Northern; Koml A. S. S. R.)
- [Processing and utilization of gas] Pererabotka i ispol'zovanie gaza. [By] G. A. Sarkis'iants i dr. Moskva, Gosoptekhzdat, 1962, 216 p.**
- Use of the excess potential energy of natural gas for production of electric power and refrigeration.** G. E. Zarnitskiy. *Izv. vyz. ucheb. zav. energ.* 6 no. 2:77-86 F '63.

GAS, NATURAL—ANALYSIS

- Bellianin, B. V., and V. N. Erikh. [Industrial analysis of petroleum products and gas] Tekhnicheskii analiz nefteproduktov i gaza. Leningrad, Gosoptekhzdat, 1962, 367 p.**

GAS, NATURAL—GEOLOGY

- (see also subdivision under Berezovo region, Tyumen' Province; Chelyabinsk Province; Ob' Valley; Stavropol' Territory)
- Bulakov, N. L., and others. [Method for evaluating the prospective oil and gas reserves] Metodika otsenki prognoznykh zapasov nefli i gaza. Leningrad, Gosoptekhzdat, 1962, 81 p.**

- Some problems of prospecting for oil and gas fields and their appraisal based on the materials of the State Committee on Mineral Resources.** G. B. Kurdukhova. *Mat. GKZ* no. 2:9-12 '61.

GAS, NATURAL—PIPELINES

- (see also subdivision under Russia, Northwestern)
- Abdullaev, A. A., and others. [Automation of gas pipelines in foreign countries] Avtomatizatsiya magistral'nykh gazoprovodov za rubezhom. Moskva, Gosoptekhzdat, 1962, 109 p.**

- [Automation of field petroleum processing and gas transportation] Avtomatizatsiya promyslovoy podgotovki nefli i transporta gaza. [By] V. F. Akimov i dr. Moskva, Gosoptekhzdat, 1963, 160 p.**

- Make more efficient use of water towers at compressor stations.** K. Z. Piven'. *Stroi. truboprov.* 8 no. 2:12-13 F '63.

- New design for fastening the cap of a drip.** F. Kotovich. *Zhil.-kom. khoz.* 13 no. 3:17 Mr '63.
- Route of the Bukhara-Ural Mountain Region Gas Pipeline.** S. I. Kurits. *Stroi. truboprov.* 8 no. 2:4 F '63.
- Spanning three deserts.** V. Moev. *Sov. Soiz* no. 2:38-43 '63.

GAS AND OIL ENGINES

- Determination of the shape and dimensions of the cylinder ports of two-cycle engines.** A. S. Orlin. *Energoma-shinostroenie* 9 no. 1:6-7 Ja '63.
- Hydrodynamic characteristics of a two-stroke engine.** M. G. Kruglov. *Vest. mashinostr.* 43 no. 2:28-30 F '63.

- Special features of an engine designed to operate on gaseous and liquid fuels.** A. I. Volodin, I. V. Zakhrebetkov. *Energomashinostroenie* 9 no. 1:38-40 Ja '63.

GAS AND OIL ENGINES—FUEL SYSTEMS

- Equipment for automatic measurement of fuel consumption by weight.** V. P. Lukachev, V. R. Stukanov. *Avt. prom.* 29 no. 3:31-32 Mr '63.

GAS AND OIL ENGINES—PATENTS

- Engine rushing into the skies.** B. Urkov. *Iun. tekhn.* 7 no. 3:70-73 Mr '63.

GAS APPLIANCES

- Knapp, K. K. [New gas equipment serving communal and home needs] Novoe kommunal'no-bytovoe gazovoe oborudovanie. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962, 65 p.**

GAS AS FUEL

- The gas is on!** *Zhil.-kom. khoz.* 13 no. 2:23 '63.
- Operation of the BKZ-75-39-1B boilers on natural gas.** V. M. Nikulin. *Energetik* 11 no. 4:7-9 Ap '63.
- Operational reliability of small boilers operating on natural gas.** V. P. Artem'ev. *Energetik* 11 no. 4:5-7 Ap '63.
- Stationary solution for a system of equations in the theory of burning.** I. A. I. Kanel'. *Dokl. AN SSSR* 149 no. 2:367-369 Mr '63.

GAS BURNERS

- Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Gas-burner systems in the bakery and confectionery industries] Gazogorelochnyye ustroystva v khlebopekarnoi i konditerskoi promyshlennosti. Moskva, 1962, 29 p. [MICROFILM]**
- Special features of modeling gas burners.** A. M. Gurvich, A. S. Isserlin. *Energomashinostroenie* 9 no. 2:7-10 F '63.

GAS CHROMATOGRAPHY

Gas chromatographic determination of nitrogen and oxygen in organic compounds. A. P. Terent'ev and others. Dokl. AN SSSR 148 no. 6:1316-1319 F '63.
Using the gas-liquid chromatography method for studying the various types of naphthalene. K. M. Vaisberg and others. Koks i khim. no. 3:44-47 '63.

GAS DISTRIBUTION

Engineering and economic comparison of regenerative and nonregenerative gas turbine systems for use in gas distribution networks. B. S. Revzin. Energomashinostroenie 9 no. 1:8-11 Ja '63.

Temporary regulations for the design of a gas system in a rural locality. M. Bobrovnikov. Zhil.-kom.khoz. 13 no. 1:25 '63.

GAS DYNAMICS

Dynamics of a free-piston gas generator. A. O. Lobko. Zbir.prats'Inst. tepl. AN URSSR no. 24:68-76 '62.

GAS FLOW

Investigating the dynamics of a gas flow in the upper part of the stack during combined blowing. I. U. M. Potebnia, V. I. Litvinenko. Izv. vys. ucheb. zav. i chern. met. 6 no. 2:23-30 '63.

Studying the sources of hot blast pressure pulsation on blast furnace tuyeres. A. S. Kukarkin, B. I. Kitaev. Izv. vys. ucheb. zav. i chern. met. 6 no. 2:31-38 '63.

GAS INDUSTRY—EQUIPMENT AND SUPPLIES

[Processing and utilization of gas] Pererabotka i ispol'zovanie gaza. [By] G. A. Sarkis'ants i dr. Moskva, Gostotekhnizdat, 1962. 216 p.

GAS MANUFACTURE AND WORKS see subdivision under Orzhonikidze

GAS TURBINES

Bladeless gate apparatus for centrifugal turbines (from "Gas and Oil Power," no. 1 1961). A. V. Gubarev, G. A. Filippov, A. D. Pand'ia. Energomashinostroenie 9 no. 2:38-39 F '63.

Concerning the strength margin of high-temperature turbine components. Ch. G. Mustafin. Teploenergetika 10 no. 4:28-30 Ap '63.

Design of a gas turbine with increased power rating. S. I. Shevliakov, L. F. Bulanov. Energomashinostroenie 9 no. 1:41-43 Ja '63.

Economically alloyed EM402M-L cast steel for turbines and equipment operating with metal temperatures up to 650°C. E. E. Levin and others. Energomashinostroenie 9 no. 1:30-33 Ja '63.

Engineering and economic calculation of the regenerator of a gas turbine system. M. D. Novikov. Teploenergetika 10 no. 4:21-23 Ap '63.

Methods for calculating the maximum temperature of the flues of the combustion chambers of gas turbine systems operating on liquid fuel. I. A. P. Storozhuk, V. I. Antonovskii. Energomashinostroenie 9 no. 1:47-48 Ja '63.

Multilayer capping for rotary regenerators of gas turbine systems. O. O. Sokolov. Zbir.prats'Inst. tepl. AN URSSR no. 24:33-40 '62.

Problem concerning contact heat resistances of heat emitting elements. V. S. Miller. Zbir.prats'Inst. tepl. AN URSSR no. 24:133-139 '62.

Some problems concerning the operation of gas turbine systems. S. I. A. Osherov. Energomashinostroenie 9 no. 1:35-37 Ja '63.

Study of local heat exchange in turbine lattices. V. M. Sidun. Zbir.prats'Inst. tepl. AN URSSR no. 24:62-67 '62.

Temperature and stress conditions in the rotor of a GT-25-700 gas turbine system during its start and steady-state operation. E. I. Molchanov, E. R. Plotkin. Energomashinostroenie 9 no. 1:19-22 Ja '63.

GAS TURBINES—BLADES

Izayev, A. L., and N. A. Morozov. [Effect of methods and conditions of metal finishing on the operational properties of gas turbine blade alloys] Vliyanie metoda i rezhlina chistovoi obrabotki na ekspluatatsionnye kachestva gazoturbinskiykh lopatochnykh splavov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-127-21)

GAS TURBINES—COOLING

Optimum parameters of the cooling systems of gas turbine systems. V. V. Uvarov. Teploenergetika 10 no. 4:23-27 Ap '63.

GAS WELDING AND CUTTING

Glizmanenko, D. L., ed. [Flame metalworking processes] Gazoplamennaya obrabotka metallov. [By] G. A. Asinovskaya i dr. Moskva, Proftekhnizdat, 1962. 556 p.

Obtaining CO₂ from the waste gases of a welding machine. Stroi. i truboprov. 8 no. 2:14-15 F '63.

Oxy-acetylene welding of aluminum alloys without flux. A. A. Matveev. Sudostroenie 29 no. 1:55-68 Ja '63.

Removal of sludge from acetylene. K. D. Novikov. Energetik 10 no. 6:15 Ja '62.

Spektor, O. Sh. [Arc and gas cutting of stainless steel] Dugovaya i gazovaya rezka nerzhavelyushchey stali. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-100/18)

Surface cutting with natural gas and oxygen. N. V. Kuz'min. Energomashinostroenie 9 no. 1:33-34 Ja '63.

"Use of gases, substitutes for acetylene in the cutting and welding of metals" by D. D. Kozlov, I. E. Kaner. Reviewed by A. K. Ninburg. Svar. proizv. no. 3:45 Mr '63.

Vasil'ev, K. V., and I. S. Shapiro. [Air-arc cutting of metals. P. A. Vachkov's method for the gas planing of steel] Vozdushno-dugovaya rezka metallov. Gazovaya strozhka stali po metodu P. A. Vachkova. [By] K. Kh. Shteintalg. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-70/7)

Vasil'ev, K. V., and I. S. Shapiro. [Oxygen-arc cutting of metals. Backfire localizing device for gas and petroleum cutting torches] Elektrookislitorodnaya rezka metallov. Lokalizator obratnykh udarov v benzo-i kerosinorezakh. [By] I. I. Nekrasov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-102/6)

[Welding, cutting, and soldering] Svarka, rezka i palka. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos. 1-2, 5-8. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. Nos. M-58-17/1, M-58-20/2, M-58-165/15, M-58-241/20, M-58-258/21, M-58-397/32)

GAS WELDING AND CUTTING—SAFETY MEASURES

Alekseev, L. A. [Safety measures in the welding and cutting of metal] Tekhnika bezopasnosti pri svarke i rezke metallov. Pod obshchey red. N. A. Smirnova. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 30 p. (Bibliotekha stroitelstva po tekhnika bezopasnosti, no. 10)

GAS WELLS

Malevanskii, V. D. [Gassers and means for controlling them] Otkrytye gazovye fontany i bor'ba s nimi. Moskva, Gostotekhnizdat, 1963. 210 p.

GASES

Entropy of systems containing scarcely distinguishable components. I. U. S. Varshavskii, A. B. Sheinin. Dokl. AN SSSR 148 no. 5:1099-1101 F '63.

GASES—ANALYSIS

Device for automatic determination of incomplete chemical combustion and correction of the fuel-air balance. B. G. Sinitkevich. Elek. sta. 34 no. 3:26-28 Mr '63.

Instruments for the analysis of substances constitution at the instrument exhibition in London. I. U. I. Georgievskii. Avtom. i prib. no. 1:75-77 Ja-Mr '63.

GASES—PURIFICATION

Scientific and technical conference on removal of ashes from flue gases. Energetik 11 no. 4:43-44 Ap '63.

Treatment of the recirculating water by smoke gases of the gas purification cycle. D. Krusnozhenn. Metal-lurg 8 no. 3:6-8 Mr '63.

Ways to improve the design details and methods of assembling the gas purification of a blast furnace. I. U. I. Zybin, F. A. Solov'ev. Prom. stroi. 40 [i. e. 41] no. 4:46-48 Ap '63.

GASES—THERMODYNAMIC PROPERTIES

Method for calculating thermodynamic properties of the mixtures of real gases using a limited quantity of derived experimental data. V. V. Altunin. Teploenergetika 10 no. 4:78-84 Ap '63.

Transition from a gaseous state to a liquid at supercritical parameters. M. I. Kulakov. Izv. vys. ucheb. zav. i energ. 6 no. 2:92-95 F '63.

GASES, COMPRESSED

Efficiency promoters of the Oil Field Administration of the Azizbekovo Petroleum Trust. I. A. Ponomarenko. Neftianik 7 no. 7:21-22 Ji '62.

GASES, INTERSTELLAR

Possible role of the extragalactic medium in the maintenance of gas motions in the halo [with summary in English]. Astron. zhur. 40 no. 2:384-385 Mr-Apr '63.

GASES IN METALS

Borovskii, I. B., and S. A. Skotnikov. [Apparatus for the spectrum determination of gases in metals] Apparatura dlia spektral'nogo opredeleniia gazov v metallakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33. No. P-58-86/3)

Effect of aluminum oxides on gas saturation and gas evolution processes in aluminum and its alloys. V. P. Ivanov, A. G. Spasskii. Lit. proizv. no. 1:26-28 Ja '63.

Formation of sieve-like porosity in steel castings. E. P. Babich, V. P. Saburov, V. V. Postyka. Lit. proizv. no. 5:30-32 My '62.

Gas content of wire bar copper. V. L. Zlazev, B. N. Zagrebali'nyi, I. N. Tamurov. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo no. 1:80-86 Ja-F '63.

GASHOLDERS

Assembly of a gasholder with a capacity of 20,000 m³ made of rolled stock. I. U. Zybin. Prom. stroi. i inzh. soor. 4 no. 1:40-43 Ja-F '63.

GASHOLDERS—CORROSION

Corrosion protection of the steel elements of water-sealed gasholders. V. A. Korchagin. Prom. stroi. i inzh. soor. 4 no. 1:40-43 Ja-F '63.

GASTROENTERITIS see subdivision under Ukraine

GAUGES

Kartsev, S. S. [Universal device for checking hobbing cutters. Height gauge for measuring the depth of thread of thread rings] Universal'nyi pribor dlia kontrolya chervyachnykh frez. Vysotomer dlia izmereniia vysoty profil'a rez'by u rez'bovykh kol's. [By] S. I. Shapiro. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-168/6)

GAY (ORENBURG PROVINCE)—ELECTRIC POWER STATIONS

"Gay" constellation. N. Vasil'ev. Smena 39 no. 19:4-6 O '62.

GDOV DISTRICT—ENSEMBLES (MUSIC)

["Gdovskaya Starina" Ensemble; Russian folk songs and tunes of Gdov District] "Gdovskaya Starina"; russkie narodnye pesni i naigryshi Gdovskogo raiona. Leningrad, Sovetskii kompozitor, 1962. 93 p.

GDOV DISTRICT—FOLK SONGS—HISTORY AND CRITICISM

["Gdovskaya Starina" Ensemble; Russian folk songs and tunes of Gdov District] "Gdovskaya Starina"; russkie narodnye pesni i naigryshi Gdovskogo raiona. Leningrad, Sovetskii kompozitor, 1962. 93 p.

GEAR CUTTING

Double two-way cutting of bevel gears with teeth of even height. M. G. Segal'. Stan. i instr. 34 no. 4:19-21 Ap '63.

Kinematic front angles in cutting cone worms. G. V. Baskakov. Vest. mashinost. 43 no. 3:68-71 Mr '63.

Kol'ner, S. V. [Deburring gear wheels] Zachistka zausontsev zubchatykh kolez. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-84/15)

Marchanskii, D. P. [Gear cutting] Zuboreznoe delo. Moskva, Mashgiz, 1962. 211 p.

GEAR-CUTTING MACHINES

Effect of the errors of kinematic chains of various bevel-gear cutting machines on the precision of machining. V. A. Chervotkin. Stan. i instr. 34 no. 4:16-18 Ap '63.

GEAR-CUTTING MACHINES—MAINTENANCE AND REPAIR

Turetskii, I. I., and others. [Recovering the machining precision of gear-cutting machines] Vostanovlenie tekhnologicheskoi tochnosti zuboreznykh stankov. Pod obshchey red. N. I. Kolchinn. 2, perer. izd. Moskva, Mashgiz, 1962. 91 p. (Bibliotekha zuboreza, no. 10)

GEAR-SHAPING MACHINES

Modernization of a gear-shaping machine. S. V. Kostakov. Mashinostroitel' no. 2:19 F '63.

GEARING

Device for the hardening of large cylindrical gears on high-frequency equipment. V. G. Samsonov. Metalloved. i term. obr. met. no. 3:58-59 Mr '63.

Equipment for demonstrating the construction, operating principle and role of a reducing gear. E. I. Kozlovich. Shkola i proizv. 6 no. 11:80-82 N '62.

Formation of mated surfaces in gear transmission based on the principle of a rigid noncongruent productive pair. I. A. S. Davydov. Vest. mashinost. 43 no. 2:9-13 F '63.

Power calculation of preloaded reducing gears. M. S. Rozovskii. Vest. mashinost. 43 no. 2:13-19 F '63.

Progressive method of manufacturing gear wheels [with summary in English]. V. A. Krokha, A. M. Bakhtovkin. Porosh. met. 3 no. 1:104-111 Ja-F '63.

GEARING, BEVEL

Sagging in the engagement of bevel gears. M. B. Groman. Vest. mashinost. 43 no. 3:40-41 Mr '63.

GEARING, WORM

Investigation of the heat transfer in a worm reducer. G. I. Kornilov. Vest. mashinost. 43 no. 2:19-23 F '63.

GEESE see subdivision under Ukraine

GELATIN

Use of the protein tissue of the leaf fat of whales for the manufacture of gelatin. N. E. Nikolaeva. Izv. vys. ucheb. zav. i spishch. tekhn. no. 1:56-61 '63.

GEMS (IN RELIGION, FOLKLORE, ETC.)

Mysteries and discoveries. Nauka i rel. 4 no. 3:16-17 Mr '63.

GENERATIVE ORGANS

"Genital appendages in *Dolichopodidae* of Central Europe" [in German] by W. Buchmann. Reviewed by E. S. Smirnov. Zool. zhur. 42 no. 2:312-313 '63.

GENETICS

Possible effect of increased doses of ionizing radiation on the genetic constitution of human population. N. V. Timofeev-Resovskii. Trudy Inst. biol. UFAN SSSR, no. 22:77-81 '62.

Safonov, V. A. [The earth in flower]. Zemlia v tsvetu. [Moskva] Sovetskii pisatel', 1949. 454 p. (OU)

GENEVA—NUCLEAR PHYSICS—RESEARCH

One day at the European Organization for Nuclear Research. M. Pentz. Nauka i zhizn' 29 no. 12:28-33 D '62.

GEOCHEMICAL PROSPECTING

(see also subdivision under Siberia)

[Endogenic dispersion halos of some hydrothermal deposits] Endogennoye oreoly rasseleniia nekotorykh gidrotermal'nykh mestorozhdenii. [By] E. M. Iankovskii i dr. Moskva, Gosgeoltekhizdat, 1963. 121 p.

Possibility of using the biogeochemical method in prospecting for uranium in an arid climate. V. M. Konstantinov. Sov. geol. 6 no. 3:151-155 Mr '63.

GEOCHEMISTRY

(see also subdivision under Kola Peninsula; Kurile Islands; Perm Province; Volinsk Reservoir)

B. B. Polynov as the founder of the theory of the geochemistry of landforms; his 85th birthday [with summary in English]. E. P. Parfenova. Pochvovedenie no. 2:14-24 F '63.

Geokhimicheskaya konferentsiya, posviashchennaya stoletiu so dnya rozhdeniia akademika V. I. Vernadskogo. Moscow, 1963. [Chemistry of the earth's crust] Khimiia zemnoi kory; trudy. Moskva, Izd-vo Akad. nauk, Vol. 1, 1963. 430 p.

Origin and evolution of the biosphere. V. V. Koval'skii. Usp. sov. biol. 55 no. 1:45-57 Ja-F '63.

V. I. Vernadskii and the problems of Soviet geochemistry. A. A. Beus. Sov. geol. 6 no. 3:18-24 Mr '63.

V. I. Vernadskii's contribution to the development of geology and geochemistry. V. V. Shcherbina, V. S. Nepoltanskaya. Sov. geol. 6 no. 3:13-17 Mr '63.

GEOCHEMISTRY—EXPERIMENTS

Creation of the world. A. Vinogradov. Sov. Soiz. no. 4: 23-29 '63.

GEODESY

Valuable books on deformation measurements under operating conditions. I. F. Bolgov. Prom. stroit. 41 no. 2:53-3 of cover F '63.

GEODESY—ABSTRACTS

[Geodesy] Ref. zhur.: Geod. no. 4 Ap '63.

GEODESY—DICTIONARIES

Problem of a geodetic dictionary. D. M. Kudritskii. Geod. i kart. no. 2:70-71 F '63.

GEO-ELECTRIC PROSPECTING see Electric prospecting

GEOGRAPHICAL NAMES see Names, Geographical

GEOGRAPHICAL RESEARCH

(see also subdivision under Moscow)

In the Department of Geology and Geography. Vest. AN SSSR 33 no. 3:44-49 Mr '63.

GEOGRAPHY

Antoshko, I. A. F., and A. I. Solov'ev. [History of the geographic study of the earth] Istorii geograficheskogo izucheniia Zemli; kratkii kurs. Dlia studentov geograficheskikh fakul'tetov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ. No. 1. Pod red. A. I. Solov'eva. 1962. 171 p.

In the Academic Council of the Geographical Faculty of Moscow University. N. A. Gvozdet'skii, A. M. Rjabchikov, I. U. G. Saushkin. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:72-73 Mr-Apr '63.

GEOGRAPHY—STUDY AND TEACHING

Methods of testing and evaluating the knowledge of geography students. M. P. Oskalenko. Rad. shk. 41 no. 1: 39-44 Ja '63.

Our method is a system of work assignments. V. E. Levushkina. Vest. vys. shkoly 21 no. 4:73-74 Ap '63.

This is the practice we need. V. Mikhailov, M. Shilov. Vest. vys. shkoly 21 no. 4:71-72 Ap '63.

GEOGRAPHY, ECONOMIC see also subdivision 'Economic Geography under Finland; Germany, East; Poland

GEOGRAPHY, ECONOMIC—STUDY AND TEACHING

Let's give more attention to local geography. P. Ivanov. Shkola i proizv. 6 no. 11:85 N '62.

GEOLOGICAL MODELING

Using three-dimensional models for studying stresses by photoelasticity when solving problems of rock pressure. V. F. Trumbachev, L. S. Molodtsova. Fiz.-mekh. svoist. dav. i razr. gor. porod no. 1:141-161 '62.

GEOLOGICAL RESEARCH

In the Department of Geology and Geography. Vest. AN SSSR 33 no. 3:44-49 Mr '63.

GEOLOGICAL SURVEYS

(see also subdivision under Caucasus)

Difficult route. R. Balandin. Znanie-sila 39 no. 1:1-4 Ja '63.

The whole earth is his laboratory. Ivan Dvorov, Iurii Polkovnikov. Ogonek 41 no. 6:4-5 F '63.

GEOLOGICAL TIME

(see also subdivision under Berezovo region, Tyumen' Province; Mongolia; Shaim region; Transbaikalia)

Atomic calendar of a planet. L. Boborov, I. U. Shukol'tukov. Tekh. mol. 31 no. 1:34-36 '63.

GEOLOGY

(see also subdivision under Aldan Plateau; Amur Valley; Verkhoyansk Range region; West Siberian Plain)

Mathematical geology [with summary in English]. A. B. Visteius. Geol. i geofiz. no. 12:3-9 '62.

V. I. Vernadskii's contribution to the development of geology and geochemistry. V. V. Shcherbina, V. S. Nepoltanskaya. Sov. geol. 6 no. 3:13-17 Mr '63.

GEOLOGY—ABSTRACTS

[Geology] Ref. zhur.: Geol. no. 4 Ap '63.

GEOLOGY—BIBLIOGRAPHY see Bibliography—Geology

GEOLOGY—DICTIONARIES

Vyshtakov, V. V., comp. [Concise geological dictionary—handbook] Korotkiiy geologicheskii slovar'-dovodnyk. Za red. A. M. Bezuhlova. Kyiv, "Radians'ka shkola," 1962. 112 p.

GEOLOGY—MAPS

Methods of compiling paleogeological maps on the basis of field-geophysical test hole data. B. M. Uliash. Geofiz. sbor. no. 1:103-106 '62.

Selection of the contour capable of depicting isolines in the compilation of isopachous maps. M. N. Kochetov. Met. GKZ no. 2:70-82 '61.

Using a gamma survey performed on foot for geological mapping. E. P. Ustinov. Sbor. st. MGION no. 1:5-18 '62.

Using the results of an aerogamma survey in geological mapping. E. P. Ustinov. Sbor. st. MGION no. 1:33-38 '62.

GEOLOGY—TERMINOLOGY

Akademii nauk SSSR, Institut geologii rudnykh mestorozhdenii, petrologii, mineralogii i geokhimii. [Review of geological concepts and terms used in metallogeny] Obzor geologicheskikh poimani i terminov v primenenii k metallogenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 181 p.

GEOLOGY, ECONOMIC

Problems of geological studies of metallic and non-metallic minerals in the light of the decisions of the November Plenum of the Central Committee of the CPSU. Geol. rud. mestorozh. 5 no. 1:3-6 Ja-F '63.

GEOLOGY, STRATIGRAPHIC

(see also subdivision under Alay Range; Azertaijan; Bol'shoy Irgiz Valley; Caucasus; Dnieper Valley; Dzhentli Range; Fergana; Kanin Peninsula; Kazakhstan; Kherson Province; Kirova Valley; Kolyma Valley; Mezen' Valley; Pamirs; Russian Platform; Siberia; Siberian Platform; Ural Mountains; Verkhoyansk Range; Volga Valley; Volgograd Province)

Akademii nauk Gruzinskoi SSR, Daku, Geologicheskii Institut. [Stratigraphy of the Jurassic system; reports by Soviet geologists at the First International Colloquium on the Stratigraphy of the Jurassic System] Stratigrafiia iurskoi sistemy; doklady sovetikh geologov k I Mezhdunarodnomu kollokviumu po iurskoi sisteme. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1962. 378 p.

Mezhdovedstvennyi stratigraficheskii komitet. [Materials of the Permanent Stratigraphic Commission of the Interdepartmental Stratigraphic Committee on the Devonian of the U. S. S. R. Materialy Postolannoi stratigraficheskoi komissii MSK po devonu SSSR. Moskva, Gosgeoltekhizdat, 1962. 77 p. (Ils. Bulletin', no. 4)

Sibirskaya, L. V. [Middle Jurassic fauna of mollusks in the Greater Baikal Range and its stratigraphic importance] Srednelur'skaya fauna molliuskov Bol'shogo Baikhanna i ee stratigraficheskoe znachenie. Leningrad, Gospetekhzizdat, 1961. 232 p. (Leningrad. Vsesoyuznyi geologicheskii Institut. Trudy, vol. 47)

GEOLOGY, STRATIGRAPHIC—DICTIONARIES

[Stratigraphic dictionary of the Northeastern U. S. S. R.] Stratigraficheskii slovar' Severo-Vostochna SSSR. Sost. M. D. Et'ianov pri chlenstii F. A. Mikhailovoi. [Magadan] Magadanskoe knizhnoe izd-vo, 1959. 166 p. (NNC)

GEOLOGY, STRUCTURAL

(see also subdivision under Azov Sea region; Caucasus, Northern; Dnieper-Donets Lowland; Indigirka Valley; Krivoy Rog Basin; Kuban; Kuban-Azov Lowland; Mangyshlak Peninsula; Siberia, Western; Ukraine; Ural Mountain region; Volga-Ural region; West Siberian Plain)

Conditions for the formation of juncture structures of zones of folding of different age. P. K. Kulikov. Dokl. AN SSSR 148 no. 6:1358-1360 F '63.

Geotechnology is a new method for treating minerals. V. Boibarskii, I. Kirichenko. Otv. na vop. trud. no. 12: 55-60 D '62.

Igneous activity and the causes of tectonic movements. S. I. Subbotin. Geofiz. sbor. no. 2:3-13 '62.

GEOMETRY

Glagolev, N. A. [Geometry] Geometriia; uchebnik dlia 6-8 [6-10] klassov srednei shkoly. Pod red. A. A. Glagoleva. Izd. 4. perer. Moskva, Gos. uchebno-pedagog. izd-vo, 1958. 2 v. (NDC)

GEOMETRY—STUDY AND TEACHING

Kompanil's, P. A. [Teaching geometry in relation to arithmetic in the 1st to 6th grades] Osobennosti podavaniia geometrii v svyazi s arifmetikoii v I-VI klassakh. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1961. 127 p.

GEOMETRY, DIFFERENTIAL

Lichnerowicz, Andre. [Global theory of complexes and of holonomy groups. Translated from the French] Teoriia svyaznostei v iselom i gruppy golonomii. Moskva, Izd-vo inostr. lit-ry, 1960. 216 p. (CLU)

Molent'ov, B. V. [Elements of differential geometry] Elementy differentsial'noi geometrii; metodicheskoe posobie. Khar'kov, Khar'kovskii politekh. in-t im. V. I. Lenina, 1961. 1 v. (RBP)

GEOMETRY, MODERN

Some problems concerning the homogeneity and expansion of space in connection with Hilbert's axiomatics. Part 1. G. N. Perlatov. Izv. vys. ucheb. zav. i mat. no. 2: 84-93 '63.

GEOMETRY, NON-EUCLIDEAN

Spherical indicatrices of curves in Lobachevskii space and some of their properties. B. S. Vakarshuk. Izv. vys. ucheb. zav. i mat. no. 2:12-19 '63.

GEOMETRY, PLANE

Dubnov, I. A. S. [Measurement of segments] Izmerenie otrezkov. Pod red. I. S. dop. I. M. Agloma. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 80 p. (Matematicheskaya biblioteka)

GEOMETRY, PROJECTIVE

Fiberings of two-parameter straight line families by lines in n-dimensional projective space. K. I. Danichev. Dokl. AN SSSR 149 no. 4:763-764 Ap '63.

GEOMORPHOLOGY see subdivision under Elbrus, Mount; Sakhalin

GEOPHYSICAL RESEARCH

Scientific goals of the O. I. U. Shmidt Institute of Geophysics. Vest. AN SSSR 33 no. 3:125 Mr '63.

GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur.: Geofiz. no. 4 Ap '63.

GEORGIA—AGRICULTURAL ADMINISTRATION

Economy should be at the center of attention. Part. zhizn' no. 6:14-17 Mr '63.

GEORGIA—CHERRY PLUM

Processing of cherry plums for the manufacture of juices, beverages and concentrates. G. M. Fishman, M. N. Gumanitskaya. Kons. i ov. prom. 18 no. 3:18-21 '63.

GEORGIA—HISTORY

[History of Georgia] Istorii Gruzii; uchebnoe posobie. [By] N. A. Bordzenishvili i dr. Tbilisi, Gos. izd-vo uchebno-pedagog. lit-ry. Vol. 1. [From the ancient period to the 1860's] S drevneishikh vremen do 60-kh godov XIX veka. 1962. 509 p.

GEORGIA—PHYSICIANS

They let go the helicopter. Na Meskhi. Ogonek 41 no. 11:30-31 Mr '63.

GERIATRICS

"Aging and senility: foundations of hygiene and therapy" by F. Bourliere. Reviewed by B. A. Nikituk, V. A. Titov. Vop. antr. no. 11:155-156 '62.

Characteristics of the state of the oral cavity in old persons. G. D. Ovrutskii. Probl. stom. 6:331-365 '62.

Hemodynamics in aged persons [in Azorhaijant with summary in Russian]. O. G. Akhivordiev. Vopr. med. zhur. 40 no. 1:47-52 Ja '63.

- GERICKE, OTTO, 1802-1885**
Noteworthy dates in science and technology. Shkola i proizv. 6 no. 11:96 M '62.
- GERMAN AUTHORS** see Authors, German
- GERMAN DEMOCRATIC REPUBLIC** see Germany, East
- GERMAN FEDERAL REPUBLIC** see Germany, West
- GERMAN LANGUAGE—DICTIONARIES—RUSSIAN**
Lipshits, O. D., comp. [German-Russian pocket dictionary. 7,000 words] Karmannyi nemetsko-russkii slovar'. 7060 slov. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarai, 1961. 569 p.
- GERMANIUM**
Recombination luminescence of AsGa and Ge following excitation by fast electrons. N. G. Basov, O. V. Bogdanovskikh. Zhur. eksp. i teor. fiz. 44 no. 3:1115-1116 Mr '63.
- GERMANIUM—METALLURGY**
Coefficients of the separation of germanium and gallium during the distillation of their chlorides. A. A. Batsuev, A. S. Cherniak. Izv. AN SSSR. Otd. tekhn. nauk, Met. i gor. delo no. 1:76-79 Ja-F '63.
- GERMANIUM COMPOUNDS**
Catalytic dehydrogenation of silicon and germanium heterocycles (direct preparation of heterocyclic analogs of cyclopentadiene and cyclopentadiene). O. M. Nefedov, M. N. Manukov. Izv. AN SSSR. Otd. khim. nauk no. 4:769 Ap '63.
- GERMANIUM ORGANIC COMPOUNDS**
Synthesis of new mixed organogermanium compounds of the types $(C_6H_5)_3GeR$ and $(C_6H_5)_3Ge - C_6H_4X$. Z. M. Manukin, A. B. Kuchkarov, S. A. Sarankina. Dokl. AN SSSR 149 no. 2:318-320 Mr '63.
Thermochemistry of tetraethylgermanium and hexaethyldigermanium. I. B. Rabinovich and others. Dokl. AN SSSR 149 no. 2:324-326 Mr '63.
Three-membered aromatic heterocycles. Report No. 4: Reaction of germanium difluoride with acetylene and the synthesis of a three-membered heterocycle and germanium-containing polymer. M. E. Vol'pin, V. G. Dulova, D. N. Kurbanov. Izv. AN SSSR. Otd. khim. nauk no. 4:727-731 Ap '63.
- GERMANIUM ORGANIC COMPOUNDS—SPECTRA**
Three-membered aromatic heterocycles. Report No. 5: Vibrational spectra and structure of germanium heterocycles. L. A. Leites, V. G. Dulova, M. E. Vol'pin. Izv. AN SSSR. Otd. khim. nauk no. 4:731-737 Ap '63.
- GERMANIUM OXIDES**
Interaction of GeO_2 with orthophosphoric acid. K. A. Avdeevskaya, I. V. Tananaev. Zhur. neorg. khim. 8 no. 4:1020-1021 Ap '63.
Obtaining germanium dioxide from by-products of lignite processing. N. Nadasy, P. Takacs, A. Horvath. Koks i khim. no. 3:9-11 '63.
- GERMANIUM-SELENIUM ALLOYS**
Solution kinetics of the vitreous system germanium-selenium in alkaline solution. Z. U. Borisova, T. S. Chen-Tsai [Chin. Ch'ing-tsu' ai]. Zhur. prikl. khim. 36 no. 2: 233-235 F '63.
- GERMANS** see subdivision under United States
- GERMANY—CONCENTRATION CAMPS**
Smirnov, S. S. [Heroes of the "block of death"] Gerol' boka smerti. Moskva, Gospolitizdat, 1963. 45 p.
- GERMANY—EUROPEAN WAR, 1914-1918**
Kremer, I. S. [German proletariat in the struggle for peace with Soviet Russia, November 1917 - February, 1918] Germanskii proletariats v bor'be za mir s Sovetskoi Rossiei, noabr' 1917 g. - fevral' 1918 g. Moskva, Izd-vo Akad. nauk SSSR, 1963. 150 p.
- GERMANY—HISTORIOGRAPHY**
"German historiography from 1849 to 1917," a German historian's lecture in Moscow University. A. L. Aleksandrov. Nov. i noveish. ist. no. 2:184-185 '63.
- GERMANY—HISTORY**
Apologia of German imperialism disguised as a critical review. A. M. Filitov. Vop. ist. 38 no. 3:200-202 Mr '63.
"How German monopolists betrayed their country during the struggle for the Ruhr in 1923" [in German] by G. Hortschansky. Reviewed by V. N. Chupashkin. Vop. ist. 38 no. 3:172-174 Mr '63.
"Germany in the period from 1897/1898 to 1917" [in German] by F. Klein. Reviewed by N. E. Ovcharenko. Nov. i noveish. ist. no. 2:152-154 '63.
- GERMANY—MONOPOLIES**
"Early history of German monopolistic capital and state capitalist monopolies" [in German] by J. Kuczyński. Reviewed by O. V. Skorobogatova, S. I. Tiul'panov. Vest. LGU 18 no. 5:147-153 '63.
- GERMANY—SOCIALIST PARTY**
"Eduard Bernstein and the evolution of German socialism" [in French] by P. Angel. Reviewed by B. A. Aizin. Nov. i noveish. ist. no. 2:167-168 '63.
- GERMANY, EAST—AGRICULTURE**
Berlin will not forget these days. Siegfried Maisgeier. Ogonek 41 no. 5:2-3 Ja '63.
- GERMANY, EAST—BIBLIOGRAPHY**
[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. no. 9/10 '62; nos. 1-2 '63.
- GERMANY, EAST—BOOKSELLERS AND BOOKSELLING**
Booksellers of the German Democratic Republic before the Sixth Congress of the Socialist Unity Party of Germany. Sov. knizh. torg. 14 no. 3:42-44 Mr '63.
- GERMANY, EAST—BUILDING—TECHNOLOGICAL INNOVATIONS**
New progressive designs of exterior elements at construction projects of the German Democratic Republic. N. G. Men'shikov. Izv. vys. ucheb. zav. i stroit. i arkhit. 6 no. 1:112-116 '63.
- GERMANY, EAST—DESCRIPTION AND TRAVEL**
Andreev, E. G. [From Berlin to Prague; travel notes] Ot Berlina do Pragi; putevye zametki. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 44 p.
On New Year's Eve. Vsevolod Vishnevskii. Ogonek 41 no. 1:9 Ja '63.
- GERMANY, EAST—ECONOMIC GEOGRAPHY**
Lavrov, S. B., and N. S. Chochia. [Economic geography of the German Democratic Republic] Ekonomicheskaiia geografiia GDR; uchebnoe posobie. [Leningrad] Izd-vo Leningr. univ., 1962. 80 p.
- GERMANY, EAST—ECONOMIC RESEARCH**
Works of the economists of the German Democratic Republic on the problems of transportation economics. S. Shlikhter. Vop. ekon. no. 3:115-117 Mr '63.
- GERMANY, EAST—FISH, CANNED**
Production of canned and preserved fish in the German Democratic Republic. O. P. Gretskaia, P. A. Kurapisev. Ryb. khoz. 39 no. 3:82-87 '63.
- GERMANY, EAST—FOREIGN RELATIONS—RUSSIA**
Berlin will not forget these days. Siegfried Maisgeier. Ogonek 41 no. 5:2-3 Ja '63.
- GERMANY, EAST—FURNITURE INDUSTRY**
British furniture workers visit the German Democratic Republic. G. E. Vsem. prof. dvizh. no. 1:36-37 Ja '63.
- GERMANY, EAST—INDUSTRIAL PROCUREMENT**
Practice of the German Democratic Republic in improving the supply system of materials and equipment. Fulle. Plan. khoz. 40 no. 4:64-68 Ap '63.
- GERMANY, EAST—LATIN-AMERICAN STUDIES**
"Latin America in the period from liberation to imperialism, 1810-1960" [in German]. Reviewed by A. M. Zorina. Nov. i noveish. ist. no. 2:165-166 '63.
- GERMANY, EAST—MARINE ENGINES—TESTING**
New method of mooring tests. Blat. tekhn. - ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:103-107 '62.
- GERMANY, EAST—PERIODICALS**
Periodicals of our friends. Nina Kharitonova. Kul't. i zhizn' 6 no. 9:44-45 '62.
- GERMANY, EAST—POLITICS AND GOVERNMENT**
Peace and socialism. Ogonek 41 no. 4:1-3 Ja '63.
Reporting from Berlin. Heinz Stern. Sov. pech. no. 2: 50-51 F '63.
- GERMANY, EAST—SOCIALIST COMPETITION**
"Significance of socialist competition for increasing labor productivity in an enterprise [in German] by G. Tietze. Reviewed by A. Zhdanov. Sots. trud 8 no. 3:155-158 Mr '63.
- GERMANY, EAST—TRADE UNIONS**
British furniture workers visit the German Democratic Republic. G. E. Vsem. prof. dvizh. no. 1:36-37 Ja '63.
- GERMANY, WEST—ARMAMENTS**
American patents arm the Bundeswehr. N. Ivanov. Izobr. i rats. no. 7:30 Ji '62.
- GERMANY, WEST—CAPITALISM**
Illusion and reality. N. Vesil'ev. Polit. samobor. 7 no. 2:66-72 F '63.
- GERMANY, WEST—COMMERCE—RUSSIA**
Pipes and politics. Nov. vrem. 20 no. 14:2-3 Ap '63.
- GERMANY, WEST—COMMUNISM**
Critical evaluation of the most significant forms of anticommunist ideology in West Germany. E. Albrecht. Nauch. dokl. vys. shkoly, filos. nauki 6 no. 1:83-88 '63.
- GERMANY, WEST—FLOATING DOCKS**
Building of floating docks in the German Federal Republic (from foreign journals). G. N. Finkel'. Sudostroenie 29 no. 1:81-85 Ja '63.
- GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—AFRICA**
"West German expansion in Arab countries and Africa" by I. A. Elinger. Reviewed by S. Ryvkin. Mir. ek. i mezhdunar. otn. no. 3:143-145 '63.
West German neocolonialism in Africa. A. S. Avstina. Vop. ist. 38 no. 3:180-180 Mr '63.
- GERMANY, WEST—FOREIGN ECONOMIC RELATIONS—ARAB COUNTRIES**
"West German expansion in Arab countries and Africa" by I. A. Elinger. Reviewed by S. Ryvkin. Mir. ek. i mezhdunar. otn. no. 3:143-145 '63.
- GERMANY, WEST—FOREIGN POPULATION**
Part of the "social market economy." B. Podgorski. Mir. ekon. i mezhdunar. otn. no. 3:115-117 '63.
- GERMANY, WEST—FOREIGN RELATIONS—FRANCE**
The insecure foundation of the "grandeur" of France. V. Sedikh. Mezhdunar. zhizn' 10 no. 4:12-18 Ap '63.
Methodical advice: how to prepare a lecture on the treaty between France and West Germany in a threat to the peace of Europe. Mezhdunar. otn. 18 no. 4:167-169 Ap '63.
- GERMANY, WEST—FREIGHTERS**
New ships (from "Shipbuilding and Shipping Record," December 1961; no. 1, 1962). Blat. tekhn. - ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:106-109 '62.
- GERMANY, WEST—HISTORIOGRAPHY**
Some preachers of "revanchism" [with summary in English, p. 140]. V. I. Salov. Nov. i noveish. ist. no. 2: 135-144 '63.
- GERMANY, WEST—LABOR AND LABORING CLASSES**
Illusion and reality. N. Vesil'ev. Polit. samobor. 7 no. 2:66-72 F '63.
- GERMANY, WEST—LABOR SUPPLY**
Part of the "social market economy." B. Podgorski. Mir. ekon. i mezhdunar. otn. no. 3:115-117 '63.
- GERMANY, WEST—MILITARISM**
Shadow of the swastika over Fifth Avenue. K. Negorodskii. Ogonek 40 no. 50:6-7 D '62.
Trunin, N. A. [Militarization of the German Federal Republic and the policy of the Socialist Democratic Party] Militarizatsiia FRG i politika Sotsial-demokraticheskoi partii. Moskva, Sotsisgiz, 1962. 170 p.
- GERMANY, WEST—PERIODICALS**
"Historische Zeitschrift," a German periodical. K. H. Vinogradov. Vop. ist. 38 no. 3:182-188 Mr '63.
- GERMANY, WEST—POLITICS AND GOVERNMENT**
Competition among the "crown princes": a letter from Bonn. A. Grigor'yan. Nov. vrem. 20 no. 14:14-16 Ap '63.
Progressive organizations in West Germany. Mezhdunar. zhizn' 10 no. 4:147-148 Ap '63.
They are guessing in Bonn... G. Garkov. Ogonek 41 no. 2:4-5 Ja '63.
- GERMANY, WEST—RAILROADS—TRACK**
Improved track in tunnels (from "Eisenbahntechnikische Rundschau"). Put' i put. khoz. 7 no. 4:48 '63.
- GERMICIDES** see Fungicides
- GERMINATION**
Effect of gibberellin on the metabolism in germinating corn seeds. I. G. Vyval'ko. Dokl. AN SSSR 149 no. 4: 979-981 Ap '63.
Use of high-frequency electromagnetic waves for accelerating the germination of seeds. Radio no. 12:67 D '62.
- GERROMANGANES** see subdivision under Amater Shale
- GIARDIASIS**
Lambia invasiveness in children. E. I. Merzlik. S. iz. zdrav. Kir. no. 1:15-16 Ja-F '63.
Results of treatment of the intestinal form of giardiasis in children. V. I. Khalitova. Trudy Kish. gos. med. inst. 13:130-143 '60.
- GIBBERELLIC ACID**
Effect of gibberellin on the metabolism in germinating corn seeds. I. G. Vyval'ko. Dokl. AN SSSR 149 no. 4: 979-981 Ap '63.
- GIENKO, ALEKSEI VASIL'EVICH**
Why they call him a beacon. S. Gurov. Otv. na vop. trud. no. 12:2-5 D '62.
- GILAROVSKII, VLADIMIR ALEKSEEVICH, 1853-1935**
Kiseleva, E. G. [Gilarovskii on the Volga] Gilarovskii na Volgo. [Iz. roslavsk. knizhnoe izd-vo, 1962. 83 p.
- GIRDERS, CONTINUOUS** see Beams and girders, Continuous

GLACIERS

(see also subdivision under East European Plain; Elbrus, Mount; Shapshal' Range region)

Changing conditions of contemporary glaciers. P. A. Shumskii. Vest. AN SSSR 33 no. 3:105-108 Mr '63.
Ice cap of the planet. V. Kotliakov. Volnug sveta no. 2: 34-35 F '63.
Secret of the glaciers. Vokrug sveta no. 2:36-37 F '63.

GLACIOLOGICAL RESEARCH see subdivision under Alay Range; Franz Josef Land

LANDS, DUCTLESS see Endocrine glands

GLASS

Electrets made with glass. E. I. Mednikova, E. T. Sharnopol'skaia. Stek. i ker. 20 no. 4:11-13 Ap '63.
Electrode properties of lithium borosilicate and gallosilicate glasses. M. M. Shults. N. V. Peshkhanova, G. P. Shevina. Vest. LGU 18 no. 4:130-136 '63.
Facing tiles made of waste glass. Stroitel' 9 no. 3:20-30 Mr '63.

Melting glass with gamma rays. S. M. Brekhovskikh, I. L. Grinshtein. Stek. i ker. 20 no. 4:9-10 Ap '63.
"Still," not yet mentioned in the dictionaries. Georgii Blok. Znanie-sila 38 no. 1:4-8 Ja '63.

Strengthening sheet glass by pickling. I. I. Kitaigorodskii, L. N. Kopytov. Stek. i ker. 20 no. 4:4-8 Ap '63.
Temkin, B. S. [Technology of glass and glass products] Tekhnologiya stekla i stekloizdelii. Moskva, Rostekhizdat, 1962. 458 p.

Using a formula to determine the maximum crystallization speed of sodium-calcium-magnesium-aluminum silicate types of glass containing 16 per cent Na₂O. M. V. Okhotin. Stek. i ker. 20 no. 4:8 Ap '63.

GLASS—SPECTRA

Determining the qualitative relation between the ordered and disordered phases in glass containing 33.3% of Na₂O and 66.7% of SiO₂. A. G. Vlasov, T. E. Chebotareva. Opt. i spekt. 13 no. 4:615-617 O '62.
Use of Raman spectra in studying the structure of glassy phosphates. I. A. S. Bobovich. Opt. i spekt. 13 no. 4:402-497 O '62.

GLASS—TESTING

Checking the "optics" of sight glass. M. A. Rokhlenko, B. L. Smolenskii. Stek. i ker. 20 no. 4:29-30 Ap '63.
Effect of the composition of baths of hydrofluoric acid on the strengthening of silicate glass. I. M. Krasovskaya, E. N. Kulikova, V. A. Riabov. Stek. i ker. 20 no. 4:13-15 Ap '63.

GLASS CONSTRUCTION

Standard plan of a glass block shop. V. V. Sudarev. Stek. i ker. 20 no. 4:34-35 Ap '63.

GLASS CONSTRUCTION—CONGRESSES

Expanding the manufacture of glass products. Stroitel' arkh. 11 no. 2:40 F '63.

GLASS ELECTRODES see Electrodes, Glass

GLASS FACTORIES

Standard plan of a glass block shop. V. V. Sudarev. Stek. i ker. 20 no. 4:34-35 Ap '63.

GLASS FIBERS

Making every possible use of the production potentials of staple fiberglass. M. I. Berezhkovskaya. Stek. i ker. 20 no. 4:1-4 Ap '63.

GLASS FURNACES

Glass furnace without a working end. A. I. Semenov, L. L. Nikanorov. Stek. i ker. 20 no. 4:30-31 Ap '63.

GLASS MANUFACTURE

Barvillan, M. G., and others. [Glass manufacture in electric furnaces] Elektrovarka stekla. Erevan, Armianskoe gos. izd-vo, 1962. 221 p.

GLASS MANUFACTURE—EQUIPMENT AND SUPPLIES

Design of the molds of glass molding machines. A. E. Kotliar. Stek. i ker. 20 no. 4:15-19 Ap '63.
Production on automatic glass machines" [in Czech] by J. Stanek. Reviewed by M. V. Solomin. Stek. i ker. 20 no. 4:47 Ap '63.

GLASS MANUFACTURE—PERIODICALS

From the pages of foreign periodicals. Stek. i ker. 20 no. 4:36-40 Ap '63.

GLASS REINFORCED PLASTICS

Effect of the deformation rate on the deformation value and the strength of oriented glass plastics. A. L. Rabinovich, A. V. Turazian. Dokl. AN SSSR 148 no. 6: 1350-1353 F '63.

Our "datties." B. Rudoi. Znanie-sila 38 no. 1:4-7 Ja '63.

Possibility of using glass plastics as reinforcement for concrete ship structures. A. B. Golyshov, A. A. Mil'to. Sudostroyenie 28 no. 1:54-57 Ja '63.

GLASS REINFORCED PLASTICS—TESTING

Methods for determining deformations in the AG-4s glass-reinforced plastic under static loads and at normal temperature. V. P. Maksymenko. Prikl. mekh. 9 no. 2:222-227 '63.

GLASS RESEARCH

Solution kinetics of the vitreous system germanium-selenium in alkaline solution. Z. U. Borisova, T. S. Zin' Chen-Tsai [Chin Ch'eng-ts'ai]. Zhur. prikl. khim. 36 no. 2: 233-236 F '63.

GLAUCOMA

Change in the functional state of the visual analyzer in glaucoma. V. G. Al'banekii. Sov. zdrav. Kir. no. 1:26-31 Ja-F '63.

GLAZUNOV, IL'IA

Their credo is realism. I. U. Sergeev. Sov. Soluz no. 10: 47 '62.

GLEZOS, MANOLIS, 1921-

Prometheus of Hellas is free. N. Bragin. Ogonek 46 no. 5:23 D '62.

GLINKA, MIKHAIL IVANOVICH, 1804-1857

L'vovskii, T. N. [M. I. Glinka; a biographical account] M. I. Glinka; biograficheski ocherk. Moskva, Gos. muzykal'noe izd-vo, 1962. 39 p. (Biblioteka muzykal'nogo samobrazovaniia. V pomoshch' muzykal'nomu samobrazovaniu) (NIC)

GLUCONIC ACID

Complex formation of lanthanum with gluconic acid by the ion exchange method. N. A. Kostromina. Zhur. neorg. khim. 7 no. 7:1559-1564 Ji '62.

GLUCOSE

Glycopeptides. Report No. 5: Stability of the ester bond of O-aminoacyl derivatives of glucose. N. K. Kochetkov, V. A. Derevitskaya, L. M. Likhoshersov. Izv. AN SSSR, Otd. khim. nauk no. 4:686-695 Ap '63.
Role of the adenosine triphosphate-adenosinetriphosphatase system in the transport of glucose. G. Kh. Buniatian, A. S. Oganesian. Dokl. AN SSSR 149 no. 2:442-445 Mr '63.

Synthesis of 1,2-dialkyl phosphinites; 5,6-diisopropylidene-glucosides and their conversion to 6-halo-deoxyglucose. K. A. Petrov, E. E. Nifant'ev, A. A. Shegolev. Zhur. ob. khim. 33 no. 3:895-898 Mr '63.

GLUCOSIDASE

Maltase activity of enzyme preparations of molds used for baking [with summary in English]. E. I. Federnikova and others. Mikrobiologiya 31 no. 6:1067-1091 N-D '62.

GLUE

Design of a glue unit. I. I. Gorbachev. Poligr. proizv. no. 2:22 F '63.

GLUTARIC ACID

Vinyl monomers based on dicarboxylic acids. Part 3: Vinyl alkyl esters of glutaric acid. Vinylcyclohexyl and vinylbenzyl esters of succinic, glutaric, and adipic acids. G. N. Freidin and others. Zhur. ob. khim. 33 no. 3:934-938 Mr '63.

GLYCEROL

Methods of quantitative assay of trioses and glycerol in cultures of micro-organisms [with summary in English]. V. G. Plakunova. Mikrobiologiya 31 no. 8:1094-1097 N-D '62.

GLYCOGEN

Glycogen of blood leucocytes in patients suffering from chronic tonsillitis and rheumatic fever [with summary in English]. R. A. Minekina. Vop. revm. 1 no. 4:18-23 O-D '61.

GLYCOLIC ACID

Substituted hydrazides of hydroxycarboxylic acids. Part 8: p-Tolylhydrazides of diaryl- and dialkyl glycolic acids. I. S. Herdinskii, I. D. Iatskova. Zhur. ob. khim. 33 no. 3:943-945 Mr '63.

GLYCOLS

Proof of the configuration of cis-trans isomeric compounds [PiG₁₂(NH₃)₂C₁₂. A. A. Grinberg, O. N. Adrinova, I. Uan' Kan [Yuan K'ang]. Dokl. AN SSSR 148 no. 4:842-845 Ap '63.

GLYCOLYSIS

Capacity for glycolytic metabolism in the microsomes of Ehrlich's ascitic cancer cells. K. N. Sorokin. TSitologiya 4 no. 3:325-328 My-Je '62.

GLYCOSIDES

Roscelin, a new glycoside from rosin of the roots of Ferula pseudoroscelinum (RGL et Schmalh.) K. Pol. N. P. Kir'ialov, S. D. Movchan. Dokl. AN SSSR 148 no. 5:1081-1084 F '63.

GLYCOSIDES, CARDIAC see Cardiac Glycosides

GLYOXIME

Complex compounds of cobalt (III) with dimethylglyoxime of cis-configuration. A. V. Ablov, N. M. Samus', O. A. Bologa. Zhur. neorg. khim. 8 no. 4:860-870 Ap '63.

Complex compounds of trivalent cobalt with dimethylglyoxime and sulfanilamides. A. V. Ablov, V. N. Shafran'skii. Zhur. neorg. khim. 7 no. 7:1521-1524 Ji '62.

GOGOL', VASILII AFANAS'EVICH, 1780-1825

Traditions of puppet shows in the plays of I. Kotliarevskiy and V. Gogol'. M. S. Hrytsak. Rad. lit. 7 no. 1: 105-113 Ja-F '63.

GOIKHBARG, ALEKSANDR GRIGOR'EVICH, 1883-1962

A. G. Goikhbar; obituary. Sov. gos. i pravo 33 no. 4:149 Ap '63.

GOLD BROMIDE—ELECTRIC PROPERTIES

Electrochemical potentials of the bromide complexes of gold. B. I. Peshchevitskii, V. P. Kazakov, A. M. Erenburg. Zhur. neorg. khim. 8 no. 4:853-859 Ap '63.

GOLD MINES AND MINING

Afanas'ev, A. A. [The gold mining industry of capitalist countries; an economic survey] Zolotodobvalushchaya promyshlennost' kapitalisticheskikh stran; ekonomicheskii obzor. Moskva, Gosfinizdat, 1963. 61 p.

Gold. I. U. Apchenko. Sov. Soluz no. 12:43-47 '62.

GOLD ORES see subdivision under Yakutia

GOLD-SILVER-SILICON ALLOYS

Phase diagram of the system gold - silver - silicon. V. V. Kuprina. Zhur. neorg. khim. 7 no. 7:1611-1614 Ji '62.

GOLDOVSKII, EVSEI MIKHAILOVICH, 1903-

Evsei Mikhailovich Goldovskii. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:158-159 Mr-Ap '63.

GOLODNAYA STEPPE—FUNGI

Mycoflora of the Golodnaya Steppe. G. T. Baimuratova. Vop. biol. i kraev. med. no. 3:27-31 '62.

GOLODNAYA STEPPE—MOSQUITOES

Conditions for the formation of breeding places for the mosquito subfamily Culicidae on the upper terrace of the Golodnaya Steppe. V. S. Tazhieva. Vop. biol. i kraev. med. no. 3:162-165 '62.

GOLODNAYA STEPPE (NORTHERN) see Bot-Pak-Dala

GOMEL'—TEXTILE WORKERS—EDUCATION AND TRAINING

Production should be at the center of attention. V. Seredkina. Komm. Bel. 37 no. 1:49-52 Ja '63.

GOMEL'—WAGES—ELECTRIC EQUIPMENT INDUSTRY

Productivity accounting in a brigade. I. Danilenko, V. Brit. Sots. trud 8 no. 3:128-132 Mr '63.

GONORRHEA

Zenlin, A. S., and I. T. Mil'chenko. [Gonorrhea in women] Gonoreia zhenskikh; rukovodstvo dlia vrachei i studentov. [Kulyshev] Kulyshevskoe knizhnoe izd-vo, 1962. 121 p. (DNLM)

GORK'II, MAKSIM, 1868-1936

Eventov, I. S. [Satire in the works of M. Gork'ii] Satira v tvorchestve M. Gork'kogo. Moskva, Sovetskii plantel', 1962. 285 p.
Great friendship. N. Zhigalov. V mire knig no. 2:23 F '63.
Gvenoladze, G. D. [Maksim Gork'ii and Georgian literature thought at the beginning of the 19th century] Maksim Gork'ii i gruzinskai literatura mysli' v nachale XX veka. Tbilisi, Zaria Vostoka, 1961. 262 p. (RFB)

Stormy petrel. N. Zhigalov. Nauka i rel. 4 no. 3:70-81 Mr '63.

GORK'II, MAKSIM, 1868-1936—BIBLIOGRAPHY see Bibliography—Gork'ii, Maksim, 1868-1936

GORKIY—AUTOMOBILE INDUSTRY

We should improve the work of our industrial plant. A. Makievskii. Komsom. zhizn' no. 13:3 Ji '62.

GORKIY—AUTOMOBILE INDUSTRY—FINANCE

Konkin, M. V. [Business accounting in an enterprise; from the practice of the Gorkiy Automobile Plant] Khoziaistvennyi raschet na predpriatii; iz opyta Gorkovskogo avtozavoda. Moskva, Gosfinizdat, 1962. 71 p.

GORKIY—CHILDREN AS ARTISTS

Everything begins with a dream. N. Bobrov. Sov. Soluz no. 10:25 '62.

GORKIY—COMMUNIST YOUTH LEAGUE

Friendly relations ensure the success of Communist Youth League groups. M. Shpagin. Komsom. zhizn' no. 13:11-14 Ji '62.

GORKIY—COURTS

A people's assessor. E. Sosipatrov. Sov. iust. no. 7: 21-23 Ap '63.

GORKIY—HISTORY

Trushchenko, N. V. [Pravda and the Bolsheviks of Nizhny Novgorod, 1912-1914] Pravda i Nizhegorodskie bol'sheviky, 1912-1914 gg. [Gork'ii] Gorkovskoe knizhnoe izd-vo, 1962. 35 p. (K 60-letiu Pravdy) (MN)

- GORKIY PROVINCE—ACCOUNTING**
Work of the Methodological Council of the Gorkiy Economic Council. Bukh. uch. 20 no. 2:77-78 F '63.
- GORKIY PROVINCE—LUMBERING**
Inspection continues. V. Bashmakov. Les. prom. 41 no. 1:29 Ja '63.
- GORKIY PROVINCE—MUSHROOMS, EDIBLE**
In the land of Berendei. Fedor Malov. Ogonek 40 no. 52:16-17 D '62.
- GORKIY PROVINCE—STOCK AND STOCKBREEDING**
Let's give more attention to experimentation in stockbreeding. N. M. Noskov. Shkola i proizv. 6 no. 12: 58-59 D '62.
- GORKIY RESERVOIR—FRESHWATER FLORA**
Vegetation of the littoral of Gorkiy Reservoir. V. A. Ekzertsev. Biol. inst. biol. vodokhran. no. 12:7-10 '62.
- GORNO-BADAKHSHAN AUTONOMOUS PROVINCE—TADJIK LANGUAGE**
Tajik speaking population of Soviet Badakhshan. A. Z. Rozenfel'd. Sov. etn. no. 1:118-122 Ja-F '63.
- GORODETS DISTRICT—FIELD CROPS**
Practice in working out an efficient structure for planting acreages on the "Krasnyi Matak" Collective Farm in Gorodets District, Gorkiy Province. V. F. Labenets and others. Dokl. i sob. VNIISKH no. 13:76-89 '62.
- GORODESKI, IGOR ZINOV'EVICH**
"Through the years"; verse by I. A. Gorodetski. Reviewed by Leonid Vysheslavskii. Sov. Ukr. 12 no. 12:174-175 D '62.
- GOVERNMENT, RESISTANCE TO** see subdivision under Portugal
- GOVERNMENT BUSINESS ENTERPRISES**
Organization and legal status of Soviet firms. A. Rubin. Sov. iust. no. 4:4-7 F '63.
- GOVERNMENT OWNERSHIP**
Nationalization of the printing industry in the U.S.S.R. M. I. Smirnov. Vop. ist. 38 no. 3:211-214 Mr '63.
- GRABAR', IGOR' EMMANUILOVICH, 1871-1960**
Grabar', I. E. Igor' Emmannulovich Grabar'. Moskva, Iskusstvo, 1962. 37 p. 24 col. plates. (Sovetskii khudozhnik) (MII)
- GRADING AND MARKING (STUDENTS)**
Improving the testing of student knowledge is an important pedagogical problem. M. V. Cherpinskii. Rad. shk. 41 no. 1:96-97 Ja '63.
Measuring the progress of correspondence students. N. I. Foisns. Sred. spets. obr. 10 no. 2:38-40 F '63.
Our suggestions. V. M. Shapovalov. Rad. shk. 41 no. 1:97 Ja '63.
- GRAFFITI** see subdivision under Kiev
- GRAFTING**
Evdokimov, A. P. [Grafting and regrafting fruit trees] Privivka i pereprivivka plodovykh derev'ev. [Moskva] Izd-vo Mosk. univ., 1963. 28 p.
(DNAL)
"Interaction of stock and scion in plant grafts" by A. S. Kruzhilin. Reviewed by A. Alpat'ev. Vest. sel'khoz. nauk 7 no. 12:150-151 D '62.
- GRAFTING OF SKIN** see Skin grafting
- GRAIN—ANALYSIS AND CHEMISTRY**
Moscow. Institut mezhdunarodnykh otnoshenii. [Laboratory manual for the study of marketing] Laboratornyi praktikum po tovarovedeniiu. Moskva. No. 4. Pisarev, N. S. [Grain examination] Issledovanie zerna. Pod red. L. N. Liubarskogo. 1962. 97 p.
- GRAIN—CLEANING**
Effect of the elasticity of particles on the stirring up of a grain layer during vibration [with summaries in English, German, and French]. R. N. Volk. Vest. sel'khoz. nauk 7 no. 12:63-66 D '62.
Grain cleaning and drying station. IU. Morit, M. Zaks. Trakt. i sel'khoz. mash. 33 no. 1:26-29 Ja '63.
Movement of materials on the surfaces of centrifuges cylindrical sieves and separator drums [with summaries in English, German, and French]. A. A. Rassadin. Vest. sel'khoz. nauk 7 no. 12:67-75 D '62.
- GRAIN—DISEASES AND PESTS**
Fluorescence analysis in detecting ears damaged by insects [with summaries in English, German, and French]. I. D. Shapiro, S. G. Zhukovskii. Vest. sel'khoz. nauk 7 no. 12:117-118 D '62.
- GRAIN—DRYING**
Grain cleaning and drying station. IU. Morit, M. Zaks. Trakt. i sel'khoz. mash. 33 no. 1:26-29 Ja '63.
Pit'syn, S. D. [Grain dryers] Zernoosushilki. Moskva, Mashgiz, 1962. 179 p. diagr.
- GRAIN—HARVESTING**
Eliminate losses. I. Grishchenko. Sel'. mekh. no. 8:31 '62.
The ZhRSh -4, 5 hip-type harvester. A. A. Lavrov, A. N. Pugachev. Trakt. i sel'khoz. mash. 33 no. 2:27 F '63.
- GRAIN—STORAGE**
Tsvetnov, S. A. [Device for automatic temperature control of grain in granaries] Ustanovka dlia avtomaticheskogo kontrolya temperatury zerna v zernokhranilishchakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-58-105/12)
- GRAIN—VARIETIES**
Gulayev, G. V. [Seed production of grain crops; basic problems in variety changing and strain renovation, and growing high-yield seeds] Semenovodstvo zernovykh kul'tur; osnovnye voprosy sortosmeny, sortosnovleniia i vyraushchivaniia vysokourozhaynykh semian. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 457 p. (DNAL)
- GRAIN BREEDING** see subdivision under Donetsk Province
- GRAIN HANDLING**
Let's pay as much attention to feed crops as we do to grain. Sel'. mekh. no. 8:1-2 '62.
- GRANITE** see subdivision under Verkhoyansk Range
- GRANITE—RADIOACTIVE PROPERTIES**
Possibility of using gamma surveys in searching for ore deposits associated with granitoids. M. S. Afanas'ev and others. Sbor. st. MGION no. 1:39-46 '62.
- GRANOSAN—TOXICOLOGY**
Cerebrospinal fluid in the intoxication of the nervous system with granosan (in the early and late periods of the intoxication). N. D. Mukhtarova. Sov. zdrav. Kir. no. 1:8-11 Ja-F '63.
- GRANOVSKI, TIMOFEI NIKOLAEVICH, 1813-1855**
"T. N. Granovskii's lectures on the Middle Ages." Reviewed by N. V. Minaceva. Vop. ist. 38 no. 3:150-152 Mr '63.
- GRANULAR MATERIALS**
Friction forces and the flow of coal along a horizontal reciprocating surface. A. M. Plesovskikh. Trudy NIIVTa no. 12:107-171 '62.
- GRAPES** see subdivision under Tajikistan
- GRAPHIC ARTS**
Nurok, A. I. [Masters of the Soviet graphic arts] Masters sovetskoi stankovoi grafiki. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 73 p. (Biblioteka po izobrazitel'nomu iskusstvu dlia narodnykh universitetov kul'tury, khudozhestvennoi samodelatel'nosti i shkol'nykh bibliotek)
- GRAPHIC METHODS**
Graphs and transportation problems. Khoang Tui. Sib. mat. zhur. 4 no. 2:426-445 Mr-Apr '63.
Nonsymmetric ultraviolet asymptotic expressions for higher Green functions in renormalized theory [with summary in English]. I. F. Ginzburg. Zhur. eksp. i teor. fiz. 44 no. 3:894-898 Mr '63.
Structural properties of a graph representing a function of two real variables. F. I. Shmidov. Izv. vys. ucheb. zav. i mat. no. 2:155-163 '63.
- GRAPHIC STATICS**
Verzhenko, Ye. P. [Collection of problems and exercises in the statics of structures] Zbirnyk zadach i vprav iz statyky sporud. Vyd. 2., perer. Kyiv, Derzhbudvydav USSR, 1962. 214 p.
- GRAPHITE**
Investigating the wetting of diamonds and graphite by liquid metals. Report No. 2 [with summary in English]. IU. V. Naidich, G. A. Kolesnichenko, Porosh. met. 3 no. 1:49-52 Ja-F '63.
- GRAVEL**
Some results of laboratory studies of a model gravel separator. G. A. Blokhin. Sbor. trud. VNIINerud no. 2: 64-73 '62.
- GRAVIMETER (GEOPHYSICAL INSTRUMENT)**
Result of highly accurate measurements of gravity gains. L. D. Nemtsov, A. I. Prishvaiko. Razved. i prom. geofiz. no. 46:59-64 '62.
Some principles for making vertical gradiometers and gravity sensitive elements for surveying while in motion. I. A. Bababushevich. Geofiz. sbor. no. 1:44-49 '62.
- GRAVIMETRY**
Reduction of directly measured gravity velocities. G. S. Butakov. Geofiz. sbor. no. 2:28-32 '62.
- GRAVITY**
Development of a gravity base network by the method of triangular polygons. G. T. Sobakar'. Geofiz. sbor. no. 1:37-45 '62.
- Simple interrelation of the accuracy of surveying, density of observation points, image scale, and intersection of isanomals in gravimetric and magnetometric investigations. G. T. Sobakar'. Geofiz. sbor. no. 1:50-55 '62.
- GRAVITY ANOMALIES**
(see also subdivision under Antarctic regions; Mediterranean region; Ukraine)
Analytical method for distinguishing anomalies. N. K. Stupak. Geofiz. sbor. no. 2:41-45 '62.
Andreev, B. A., and I. G. Klushin. [Geological interpretation of gravity anomalies] Geologicheskoe i tektonicheskoe gravitatsionnykh anomalii. Leningrad, Gosizdat, 1962. 495 p.
Determination of the depth of bedding of a vertical step. M. A. Alzenberg. Razved. i prom. geofiz. no. 46:63-73 '62.
Determination of the 1/e magnitude of obliquely magnetized two-dimensional bodies. V. N. Strakhov. Izv. AN SSSR. Ser. geofiz. no. 2:333-335 F '63.
Possibility of studying crustal structure on the basis of gravity anomalies. P. I. A. Galushko. Geofiz. sbor. no. 1: 56-63 '62.
Practical method for estimating the surplus mass and depth of a two-dimensional body by Δg anomalies. E. G. Bulakh. Geofiz. sbor. no. 2:23-27 '62.
Using the first derivatives of a gravity potential to solve an inverse problem for an elliptical cylinder. G. I. A. Golizdra. Razved. i prom. geofiz. no. 46:70-71 '62.
- GRAY MULLET** see subdivision under Black Sea
- GREAT BRITAIN—ANTIQUITIES, ROMAN**
Romanization of the Province of Britain in the first and second centuries A. D. M. S. Sadovskina. Uch. zap. MGPI no. 153:61-79 '60.
- GREAT BRITAIN—CIVILIZATION**
"Anatomy of Britain" (in English) by A. Simpson. Book review. Mir. ekon. i mezhdunar. otn. no. 3:159 '63.
- GREAT BRITAIN—CIVILIZATION—AMERICAN INFLUENCES**
"The American Invasion" (in English) by Francis Williams. Reviewed by M. Zakharova. Mezhdunar. zhizn' 10 no. 4:139-141 Ap '63.
- GREAT BRITAIN—COLONIES**
The myth of "little englandism." N. A. Erofeev. Vop. ist. 38 no. 3:198-199 Mr '63.
- GREAT BRITAIN—COMMERCE—RUSSIA**
Soviet-British trade; an interview with John M. Meyer. Nov. vrem. 20 no. 10:10 Ap '63.
- GREAT BRITAIN—FASCISM**
Reporting from the lair. Billy James. Smena 40 no. 1:27 Ja '63.
- GREAT BRITAIN—FOREIGN RELATIONS**
Chamberlain becomes Prime Minister; fragments of memoirs. A. Eden. Mezhdunar. zhizn' 10 no. 4:102-110 Ap '63.
- GREAT BRITAIN—HISTORICAL RESEARCH**
Organizational forms of historical research in England. A. Merson. Vop. ist. 38 no. 3:204-209 Mr '63.
- GREAT BRITAIN—INDEPENDENT LABOR PARTY**
History of the Independent Labor Party of Great Britain. E. N. Lorne. Vop. ist. 38 no. 3:197-198 Mr '63.
- GREAT BRITAIN—NUCLEAR PHYSICS**
Two-weeks with British physicists. S. M. Polikanov, E. S. Lazutkin. Atom. energ. 14 no. 4:425-427 Ap '61.
- GREBENKI DISTRICT—COLLECTIVE FARMS—LABOR PRODUCTIVITY**
Ways to increase labor productivity on sugar beet collective farms. M. Ovcharenko. Ekon. Rad. Ukr. no. 1:43-44 Ja-F '63.
- GREECE—POLITICS AND GOVERNMENT**
Kommunistikon Kommataes Hellados. 8. Synedriou, 1961. [Eighth Congress of the Communist Party of Greece, August 1961. Translated from the Greek] VIII s'ezd Kommunisticheskoi partii Gretsii, avgust 1961 g. Moskva, Gospolitizdat, 1962. 211 p. (Dokumenty i materialy zarubezhnykh kommunisticheskikh i rabochikh partii) (CSi-H) (CSi-MOR)
- GREECE—THEATER**
Voice of Electra. Galina Shergova. Ogonek 41 no. 10: 7-8 Mr '63.
- GREECE—WORLD WAR, 1939-1945**
Voice of Electra. Galina Shergova. Ogonek 41 no. 10: 7-8 Mr '63.
- GREEK LITERATURE—HISTORY AND CRITICISM**
Chistlakova, N. A., and N. V. Volikh. [History of classical literature] Istoriia antichnoi literatury. [Leningrad] Izd-vo Leningr. univ., 1963. 296 p.
- GREENHOUSE MANAGEMENT**
Green stream. S. Osipov. Sov. Soluz no. 4:12-13 '63.

GREENHOUSES

Factors determining the temperature conditions in plant-growing installations. O. D. Rozhanskaya. *Sher, trud, po agron. fiz.* no. 10:76-84 '62.

GRIGOR'EVA, ANNA IL'INICHNA

... and a trip to Opechka. Elena Tarasova. *Rabotnitsa* no. 1:14-16 Ja '63.

GRINDING AND POLISHING

Geometrical parameters of deforming rollers in burnishing heads. N. A. Karashev, N. M. Denshchik. *Avt. prom.* 29 no. 3:36-39 Mr '63.

Grinding grooves in hobbing cutter bodies. Z. I. Serebrianyi, A. S. Gol'ts. *Stan. i instr.* 34 no. 4:37 Ap '63.

GRINDING MACHINES

Device for the formation of chip-breaking small craters on cutting tools. G. I. Krastichkov. *Stan. i instr.* 34 no. 4:41 Ap '63.

Grinding machine. E. Gogolev. *Shkola i protz.* 8 no. 11:88-88 N '62.

Semiautomatic machine for grinding teeth. V. Ole-shchenko, V. Eremenko. *Mashinostroitel'* no. 2:15 F '63.

RIPPE see Influenza

ROCERY TRADE see subdivision under Kiev

ROCERY TRADE—MANAGEMENT see subdivision under Maksatkh

RODNO REGION—AGRICULTURE ADMINISTRATION

Efficient work with the masses is the most important factor. F. Dolneko. *Komm. Bel.* 36 no. 5:13-17 My '62.

ROSS NATIONAL PRODUCT

Gross and final national product. A. Nokin. *Vop. ekon.* no. 3:99-111 Mr '63.

ROUND CONTROLLED APPROACH

Navigation flight in the waiting zone and during the approach for blind landing. S. Peshkov. *Grazhd. av. Ja* '55.

Strict observance of blind landing regulations. I. Polosukhin. *Grazhd. av.* 12 no. 1:14 Ja '55.

ROUND-EFFECT MACHINES

Benua, Iu. Iu., and V. M. Korsakov. [Vessels on an air cushion] *Suda na vozdukhnoi podushke*. Leningrad, Sudpromgiz, 1962. 119 p.

Ship on an air cushion. V. Letunov. *Mor. flot* 23 no. 3: 33-34 Mr '63.

ROUPS, THEORY OF

Analogues of Sylow's theorem on the existence and imbedding of semigroups. S. A. Rusakov. *Sib. mat. zhur.* 4 no. 2:325-342 Mr-Apr '63.

Hall semigroups of a class of invariantly coverable groups. A. I. Starostin, M. I. Eklinov. *Sib. mat. zhur.* 4 no. 2:359-376 Mr-Apr '63.

Homomorphisms of a semigroup of all almost identical transformations. E. G. Shutov. *Izv. vyzh. ucheb. zav.; mat.* no. 2:176-180 '63.

Lomsadze, Iu. M. [Theoretical introduction to the group concept in the theory of elementary particles] *Teoretiko-grupповое vvedenie v teoriiu elementarnykh chastits*. Moskva, Vysshaya shkola, 1962. 181 p.

Point group of symmetry described by means of tensors. L. I. Sedov, V. V. Lokhin. *Dokl. AN SSSR* 149 no. 4: 796-797 Ap '63.

Representation of semigroups by means of binary relations. B. M. Shain. *Mat. shor.* 60 no. 3:293-303 Mr '63.

Semigroups given by identities. A. P. Biriukov. *Dokl. AN SSSR* 149 no. 2:230-232 Mr '63.

Semigroups of partial endomorphisms of a set with a relation. L. M. Popova. *Sib. mat. zhur.* 4 no. 2:309-317 Mr-Apr '63.

Solution of systems of equations with one unknown in free groups. A. A. Lorents. *Dokl. AN SSSR* 148 no. 6:1253-1256 F '63.

System of defining parameters characterizing the geometric properties of an anisotropic medium. V. V. Lokhin. *Dokl. AN SSSR* 149 no. 2:295-297 Mr '63.

Theory of restrictive semigroups. B. M. Shain. *Izv. vyzh. ucheb. zav.; mat.* no. 2:152-154 '63.

ROUPS OF POINTS

Classification and splitting of levels in an external field. A. A. Levin. *Opt. i spekt.* 13 no. 4:580-581 O '62.

ROUTING

Determining the radius of diffusion of a mortar forced into non-cohesive soil. N. G. Samsonov. *Osn., fund. i mekh. grun.* 5 no. 2:19-21 '63.

ROWTH PROMOTING SUBSTANCES

Effect of the metabolites of *Fusarium* mutants on higher plants [with summary in English]. A. A. Imshenetskii, O. M. Ulianova. *Mikrobiologiya* 31 no. 6:1029-1037 N-D '62.

Videnin, K. F. [Using growth-promoting substances in agriculture] *Primenenie stimulatorov v sel'skom khoziaistve*. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 38 p. (DNAL)

GUATEMALA—POLITICS AND GOVERNMENT

Another Guatemalan adventure. V. Llistov. *Nov. vrem.* 20 no. 13:20-21 Ap '63.

GUIDED MISSILE SHIPS

Rocket carrier sails. V. Milanov. *Smena* 40 no. 1:5-6 Ja '63.

GUIDED MISSILES

"Start!" sounds a command. ... V. Catchikov, V. Mikhov. *Smena* 40 no. 4:2 of cover, 1 F '63.

GUMS

Clinical X-ray characteristics of the parodontium in monkeys. N. F. Danilevskii. *Probl. stom.* 6:29-35 '62.

Entry of labeled atoms into the tissues of the tooth and the parodontium. Iu. A. Petrovich and others. *Probl. stom.* 6:132-137 '62.

Incidence of caries in young persons in various states of the parodontium. G. N. Vishniak. *Probl. stom.* 6:145-154 '62.

GUMS—AGING

Age-related characteristics of the parodontium. M. I. Tarnavskaya. *Probl. stom.* 6:48-56 '62.

GUMS—BLOOD SUPPLY

Comparative evaluation of the functional state of the capillaries in gingivitis and parodontosis in children and youths. O. S. Tronova. *Probl. stom.* 6:57-60 '62.

Some characteristics of parodontium vascularization and its clinical significance. I. S. Ginzburg. *Probl. stom.* 6:38-41 '62.

GUMS—DISEASES

Comparative evaluation of the functional state of the capillaries in gingivitis and parodontosis in children and youths. O. S. Tronova. *Probl. stom.* 6:57-60 '62.

Compound treatment of parodontosis. L. P. Grigor'eva and others. *Probl. stom.* 6:92-98 '62.

Course of neurodystrophic processes in the parodontium with varying reactivity of the organism. E. D. Bromberg. *Probl. stom.* 6:3-10 '62.

Disorders of vitamin C metabolism in parodontosis. Z. L. Bolotina and others. *Probl. stom.* 6:79-85 '62.

Effectiveness of tissue therapy in parodontosis. L. G. Shcherbina. *Probl. stom.* 6:116-121 '62.

Frequency of parodontosis and gingivitis in older school children. R. G. Sinitin. *Probl. stom.* 6:86-91 '62.

Functional characteristics of salivary gland activity in parodontosis. L. A. Sarzhovskaya, Z. A. Filis. *Probl. stom.* 6:61-65 '62.

Histologic picture of the parodontium in parodontosis in animals. I. O. Novik and others. *Probl. stom.* 6:11-24 '62.

Late results of the treatment of chronic periodontitis with sulfonamide and "asfalol" pastes. M. A. Bil'dukovich. *Probl. stom.* 6:189-192 '62.

Late results of treating chronic periodontitis of the permanent teeth with incomplete growth of the roots. E. P. Sokolovskaya. *Probl. stom.* 6:180-185 '62.

Pathologic states of the parodontium in cats. T. G. Gol'dova, N. V. Liubchenko. *Probl. stom.* 6:25-28 '62.

Pulpotomy and its effect on the course of parodontosis. G. N. Vishniak, E. V. Levitskaya, N. N. Skurskaya. *Probl. stom.* 6:122-127 '62.

State of the maxillofacial system in patients undergoing therapy for other conditions. E. A. Kolesnikov. *Probl. stom.* 6:374-380 '62.

Structural types of the spongy bone tissue of the alveolar processes in normal state and parodontosis. S. A. Vaindrukh. *Probl. stom.* 6:42-47 '62.

Study of the immunobiological state in parodontosis according to the phagocyte count and the content of lysozyme in the saliva. N. F. Golovina, O. D. Tsyganenko. *Probl. stom.* 6:73-78 '62.

Treatment of post-extraction alveolitis. S. S. Bachinski. *Probl. stom.* 6:193-197 '62.

Ultraviolet irradiation in the compound therapeutic and orthopedic treatment of parodontosis. S. I. Avramova, N. A. Dobytko, L. M. Mazniuk. *Probl. stom.* 6:109-115 '62.

Use of celandine in the treatment of the inflammatory form of parodontosis. S. I. Frankovskaya, A. I. Marchenko, N. N. Skurskaya. *Probl. stom.* 6:103-108 '62.

Use of diathermy coagulation in the treatment of hypertrophic gingivitis in parodontosis. I. O. Novik, E. V. Levitskaya, E. V. Udovitskaya. *Probl. stom.* 6:99-102 '62.

GUMS AND RESINS, SYNTHETIC see Resins, Synthetic

GUNS see Firearms

GUNSHOT WOUNDS

Observations on protracted osteomyelitis of the maxillo-facial region caused by a gunshot wound. D. L. Korytnyi. *Probl. stom.* 6:218-222 '62.

GURVICH, ALEKSANDR MOISEEVICH, 1909-1963

Aleksandr Moiseevich Gurchich; obituary. *Teploenergetika* 10 no. 4:95 Ap '63.

GUSEV, SEGEI IVANOVICH, 1902-

S. I. Gusev; on his sixtieth birthday. *Zhur. anal. khim.* 17 no. 5:648 Ag '62.

GUZENKO, NINA IVANOVNA

One of the best. F. Kyrychenko. *Voiv. ateist* 3 no. 3: 23-24 Mr '63.

GYMNASTICS

Analysis of the jumping technique of the world's best gymnasts. E. G. Kotelnikova. *Teor. i prak. fiz. kul't.* 26 no. 2:19-23 F '63.

[Gymnastics; a handbook for teachers' institutes] *Gimnastyka; pidruchnyk dlia pedagogichnykh instytutiv*. [By] I. A. Brazhnyk i. a. insh. Kyiv, Radians'ka shkola, 1962. 487 p.

He is always close by. A. Starkov. *Ogonek* 41 no. 2: 25-27 Ja '63.

Methods of analyzing the techniques of gymnastic exercises. Iu. K. Gaverdovskii. *Teor. i prak. fiz. kul't.* 26 no. 2:15-19 F '63.

GYMNASTICS, MEDICAL see Exercise therapy

GYPSUM see subdivision under Yakutia

GYPSY MOTH see subdivision under Voronezh Province

GYROSCOPE

Some cases of integrability of the equations of gyrostat motion. L. N. Sretenskii. *Dokl. AN SSSR* 149 no. 2: 292-294 Mr '63.

HACKBERRY see subdivision under Caucasus

HAFNIUM COMPOUNDS

Complex hafnium thiocyanates. I. V. Tananaev, I. A. Rozanov, A. G. Kolgushkina. *Zhur. neorg. khim.* 8 no. 4:1013-1014 Ap '63.

HAFNIUM COMPOUNDS—ABSORPTION SPECTRA

Infrared absorption spectra of thiocyanate complexes of hafnium (IV). Iu. IA. Kharitonov, I. A. Rozanov, I. V. Tananaev. *Izv. AN SSSR, Old. khim. nauk* no. 4:596-601 Ap '63.

HAFNIUM-RHENIUM ALLOYS

Phase diagram of the hafnium - rhenium system. E. M. Savitskii and others. *Zhur. neorg. khim.* 7 no. 7:1603-1610 Ji '62.

HAIRDRESSING

(see also subdivision under Moscow)

A vocation. V. Karpenkova. *Zhil. - kom. khoz.* 13 no. 2:9 '63.

Three letters on one theme. A. Briantsev, S. Kaminskii, M. Gul'perin. *Zhil. - kom. khoz.* 13 no. 1:21 '63.

HALIDES

Electron acceptor linkage of metal halides and carbonium ions. D. S. Bystrov, E. K. Nazarov. *Dokl. AN SSSR* 148 no. 6:1335-1338 F '63.

Infrared absorption spectra and some problems of the complex formation of inorganic halides with others. N. IA. Turova, K. N. Semenok, A. V. Novoselova. *Zhur. neorg. khim.* 8 no. 4:882-892 Ap '63.

Relative role of kinetic factors in the dynamics of iodine adsorption from aqueous solutions of halides. I. M. Stokanovskii, I. E. Amilogov. *Zhur. prikl. khim.* 36 no. 2:287-294 F '63.

HALL EFFECT

The Hall effect. I. Shipov, Iu. n. tekhn. 7 no. 3:34-36 Mr '63.

Temperature dependence of the electroconductivity and Hall effect in dysprosium and erbium [with summary in English]. N. V. Volkenshtein, G. V. Fedorov. *Zhur. eksp. i teor. fiz.* 44 no. 3:825-831 Mr '63.

HALLUCINATIONS AND ILLUSIONS

Acute psychotic outbursts in the late stages of rheumatic fever [with summary in English]. M. A. Iashnovskii, E. A. Pereimuter. *Vop. revm.* 1 no. 4:37-51 O-D '61.

HALOCHROMISM

Absorption spectra and halochromism of furan analogs of methoxyhalcones and their vinyl analogs. V. F. Lavrushin, S. V. Tsukerman, A. I. Artemenko. *Zhur. ob. khim.* 33 no. 3:878-883 Mr '63.

HALOGEN COMPOUNDS

Use of copper for the absorption of halogens in the microdetermination of carbon and hydrogen [with summary in English]. A. S. Zabrodina, S. IA. Levina. *Zhur. anal. khim.* 17 no. 5:644-646 Ag '62.

HALOGENATION

- Chemistry of 2,1,3-benzothiadiazole. Part 17: Halogenation of 2,1,3-benzothiadiazole and its halo derivatives. V.G. Pesin, A.M. Khaletskii, V.A. Segeev. *Zhur.ob.khim.* 33 no.3:945-952 Mr '63.
- 1,4-Endoxo-cyclohexenes and -cyclohexanes. Part 8: Wagner-Meerwein rearrangement during the halogenation of derivatives of 1,4-endoxo-cyclohexene, 3,6-endoxo-cyclohexene. I.U.F. Iur'ev, N.S. Zefirov. *Zhur.ob.khim.* 33 no.3:804-813 Mr '63.

HALOGENS

- Depassivating action of halogen ions on iron-based alloys. I.A. M. Kolotyrsin, G.V. Golovina, G.M. Floria-novich. *Dokl. AN SSSR* 148 no.5:1106-1109 F '63.
- Substitution of halogen in azo compounds. Part 17: Reactions of polyhaloazo compounds. Using the reaction for establishing the structure of some aromatic halogen-containing compounds. M.A. Andreeva and others. *Zhur.ob.khim.* 33 no.3:933-991 Mr '63.

HALOIDE

- Formation of gliding surfaces in some halogen rocks. I.A. I.A. Iarchemskii and others. *Dokl. AN SSSR* 148 no.5:1184-1185 F '63.

HALOS (METEOROLOGY)

- Sky sets riddles. V. Mezentsev. *Znanie-sila* 38 no.1: 45-47 Ja '63.

HAMBURG—TRIALS (FRAUD)

- The miracle-maker in Hamburg. V. Krasnopolskii. *Nov.vrem.* 20 no.15:23-29 Ap '63.

HANDICAPPED CHILDREN—EDUCATION

- Our legal consultation. *Sem'ia i shkola* 18 no.3:30 Mr '63.

HANDRAILING

- Stairway guard rails made of precast reinforced concrete slabs. *Stroitel'arkhit.* 10 no.7:32 Ji '62.

HANSEATIC LEAGUE

- Treaty of 1514 between Russia and the Hanseatic League. N.A. Kazakova. *Trudy LOH AN SSSR* no.5:557-586 '63.

HARBORS

- (see also subdivision under Poland)
- Design of electric networks for harbor piers. L. Kirpich-nikov, M. Khar'f. *Mor.flot* 23 no.3:17-19 Mr '63.

HARD FACING

- Automatic hard facing of marine engine parts with austenitic steel. V.P. Rabinovich, G.N. Pan'shin. *Svar, proizv.* no.3:18-22 Mr '63.

- Electric arc hard facing of valves working in corrosive media. B.P. Kapraev, R.S. Kurochko. *Svar, proizv.* no.3:32-40 Mr '63.

- Electric slag hard facing of beaters in impact-action crushing machines. A.I.A. Shvarts and others. *Svar, proizv.* no.3:22-25 Mr '63.

- Electrodes for the hard facing of cutting tools. E.D. Shorshorova, V.I. Klepikov. *Svar, proizv.* no.3:37-38 Mr '63.

- Hard facing alloys with tungsten carbide for parts and tools subject to rapid mechanical wear. B.V. Stepanov. *Svar, proizv.* no.3:30-32 Mr '63.

- Hard facing Khr-19 electrodes with chromium carbides and borides in the coating. I.I. Iskovskii, A.D. Rakh-manov. *Svar, proizv.* no.3:32-34 Mr '63.

- Hard facing of dies for cold stamping. I.N. Egorov. *Svar, proizv.* no.3:28-30 Mr '63.

- Hard facing with a weaving arc in an atmosphere of water vapor. I.R. Patskevich, A.K. Okorokov. *Svar, proizv.* no.3:40-41 Mr '63.

- New electrodes for the hard facing of cutting tools. N.A. Gorpenko. *Svar, proizv.* no.3:35-36 Mr '63.

HARD FACING—CONGRESSES

- All-Union Conference on the Hard Facing of Dies for Hot and Cold Stamping. V.M. Panovko. *Svar, proizv.* no.3:44-45 Mr '63.

HARD FACING—EQUIPMENT AND SUPPLIES

- Evaluation and choice of electrodes for the hard facing of dies. V.M. Panovko. *Svar, proizv.* no.3:25-28 Mr '63.

HARDNESS

- Gordienko, P.L., and others. [Laboratory equipment for measuring friction force moments in the supports of apparatus. Device for testing the impact hardness of ice in field conditions] *Laboratornaia ustanovka dlia izmereniia momentov sil treniia v oporakh priborov. Ustroistvo dlia ispytaniia udarnoi tverdsti l'da v pol-yvkh usloviakh.* [By] Kh. N. Dement'ev, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32, No. P-58-33/6)
- Improving horse harnesses. A.B. Voikov. *Trudy VNIK* no.17:83-89 149.

HARDWARE STORES

- "Thousand details." M. Fel'dshtein. *Sov.torg.* 36 no.3:47-52 Mr '63.

HARELLP

- Prevention and correction of deformities following surgery for congenital fissures of the lips and nose. I.V. Berdiuk. *Probl.stom.* 6:356-360 '62.

HARES see subdivision under Ukraine; Yakulla

HARMONIC ANALYSIS

- Analysis of nonlinear systems. S.K. Savin. *Radiotekhnika* 18 no.3:23-29 Mr '63.

HARROWS see subdivision under Ukraine

HARVESTING

- Kiriukhin, A.M. [Conveyor in harvesting] *Konveter na uborku.* Moskva, Izd-vo "Znanie," 1963, 47 p. (Novoe v zhizni, nauke, tekhnike. V Seria; Sel'skoe khozjal'stvo, no.6)

HARVESTING MACHINERY

- Eliminate losses. I. Grishchenko. *Sel', mekh.* no.8:31 '62.
- State and prospects of work in developing measures for mechanized harvesting of silage crops. K. Klement'ov. *Trakt i sel'khoz mash.* 32 no.12:23-26 D '62.

HARVESTING MACHINERY—TRANSMISSION DEVICES

- Installation of a transmission system. N. Tsyganov. *Sel', mekh.* no.8:30 '62.

HAVANA—DESCRIPTION

- Fatherland or death. Ivan Sushchenko. *Ogonek* 40 no.47:14-15 N '62.

HAY—DRYING

- Hay dryers fired with liquid fuel. Z. Shimanova. *Pozh. delo* 9 no.2:12-13 F '63.

HAY—HARVESTING

- Machinery in the meadows. A. Smirningina. *IUn, tekhn.* 7 no.3:14-16 Mr '63.

HEALTH CARE see Medical care

HEALTH EDUCATION

- (see also subdivision under Estonia; Minsk)
- Common sense and health. N.V. El'shtein. *Zdorov'e* 9 no.2:20-21 F '63.
- Vasla Mikrobkin is our friend. M. Kiseleva. *Sov. Kras. krest* 12 no.5:30 S-O '62.

HEALTH OF WORKERS see Industrial hygiene

HEALTH RESORTS, WATERING PLACES, ETC.

- (see also subdivision under Khmel'nik; Pyatigorsk; Sochi; Tskhaltubo)
- Dik, V.G. [Prevention of women's diseases and their treatment at health resorts] *Preduprezhdenie zhenskikh boleznei i lechenie ikh na kurortakh.* Moskva, Medgiz, 1963, 29 p. (DNLk)

HEARING

- Dynamics of the variations in sound localization under the influence of proprioceptive stimuli. N.IU. Alek-seenko. *Dokl. AN SSSR* 148 no.5:1218-1220 F '63.
- Effect of masking on hearing acuity, on the tone and speech of subjects working in conditions of industrial noise [with summary in English]. S.Z. Romm. *Vest. otorin.* no.4:37-43 '62.
- Study of hearing at various levels of lesion of the auditory tract [with summary in English]. N.S. Blagovesh-chenskaya. *Vest. otorin.* no.4:17-23 '62.

HEART

- A child with a pain in his heart. L. A. Shakhnovich. *Zdorov'e* 9 no.2:12-13 F '63.

HEART—DISEASES

- Antistreptococcal in the blood in rheumatic fever and nonrheumatic myocarditis. S.I. Lilenko. *Vop.pat. krov i krovoobr.* no.6:109-112 '61.

HEART—INFARCTION

- (see also subdivision under Ashkhabad)

- Clinical and anatomical parallels in myocardial infarction. E.V. Butnik-Sivarskaya. *Vop.pat.krov i krovoobr.* no.6:142-150 '61.

- Complications in myocardial infarction. M.G. Shabanova. *Vop.pat.krov i krovoobr.* no.6:138-141 '61.

- Diagnosis and clinical aspects of myocardial infarction. R.S. Ivanov, N.N. Kovalenko. *Vop.pat.krov i krovoobr.* no.6:130-137 '61.

- Dynamics of blood serum protein fractions in myocardial infarction. E.L. Belisova. *Vop.pat.krov i krovoobr.* no.6:151-158 '61.

- Nursing patients with myocardial infarction. A.G. Artamonova. *Zdrav.Turk.* 7 no.1:41-43 Ja '63.

HEART—MUSCLE

- Methods of studying the dynamics of heart contraction in the process of muscular exercises of athletes. I.I. Khvatishvili. *Teor. i prak. fiz. kul't.* 26 no.2: 33-35 F '63.

HEART—SOUNDS

- Phonocardiography. B.K. Maikishev, I.A. G. Ioffe. *Vop. pat.krov i krovoobr.* no.6:46-59 '61.

HEART BEAT

- Development of frequency characteristics of heart activity in chickens as a sign of the biological activity of embryogeny. T.P. Rinkova, O.V. Bogdanov. *Dokl. AN SSSR* 148 no.4:888-890 Ap '63.
- Effect of tetracycline antibiotic on the changes in the indices of heart activity. O.A. Gromovskaya. *Dokl. AN SSSR* 148 no.4:891-894 Ap '63.

HEART BLOCK

- Block of the cross of the bundle of His in hypertensive atherosclerosis. N.B. Suprunova. *Zhur.ob.khim.* no.1:3-8 Ja-F '63.

HEAT—CONVECTION

- Convective heat exchange in water saturated gas. G.V. Porokhov. *Mat.k uch. i inzh.* 200 no.1:3-10 Ap '62.

HEAT—PHYSIOLOGICAL EFFECT

- Change in the quantity of blood leukocytes during local heating. A.T. Berdyeva. *Zdrav.Turk.* 6 no.1:3-5 N-D '62.

HEAT—RADIATION AND ABSORPTION

- Numerical integration of the Stefan-Boltzmann law in the presence of phase transitions in the heat transfer spectrum. V.G. Melamed. *Izv. AN SSSR, Tekhnicheskii* no.2:340-344 F '63.

HEAT—TRANSMISSION

- Calculation of heat exchange in furnace operating on gas fuel oil, and pulverized coal. A.M. Gusev. *Trudy Vses. in-ta nauchn. i tekhn. informatsii* 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34, No. P-58-10/1)

- Cooling and drying of saturated air. A.A. Gerasimov. *Khol.tekh.* 40 no.1:29-32 Ja-F '63.

- Determining the ratio between the coefficients of contact heat transfer and momentum. V.I. Gerasimov, E.V. Nomofilov. *Atomenerg.* 14 no.2:41-46 Ap '63.

- Effect of temperature and pressure increase on the efficiency of heat supply during the flow of a gas in a channel. T.V. Mendeleva, M.M. Nazarovskiy. *Trudy prafn' inst. topl. AN URSR* no.24:111-117 '62.

- Experimental study of the contact heat exchange. A.A. Gerasimov and others. *Khol.tekh.* 40 no.1:33-37 Ja-F '63.

- Gerasimov, O.A., and V.G. Fedorov. [Heat flow transducers] *Datchiki teplovogo potoka.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34, No. P-58-10/1)

- Heat exchange in the boiling of Freon-12 and Freon-11. G.V. Rotini, D.L. Avalloni. *Khol.tekh.* 40 no.1:38-41 Ja-F '63.

- Heat transfer from a gas to a wall during turbulent flow within a pipe. E.S. Voronin, V.I. Let'shuk. *Trudy energotika* 10 no.4:61-66 Ap '63.

- Heat transfer to liquids boiling in pipes with large volume. I.T. Alad'ev. *Teploenergetika* 10 no.6: 57-61 Ap '63.

- Intensification of heat transfer to a gas heat exchanger in a channel at high temperatures. M.O. Mikhalevich. *Trudy prafn' inst. topl. AN URSR* no.34:118-123 '63.

- Investigation of the heat transfer in a worm reducer. G.I. Korotkov. *Vest. mashinost.* 43 no.2:13-17 F '63.

- Problem concerning contact heat resistances of heat emitting elements. V.S. Miller. *Zhur.prifn' inst. topl. AN URSR* no.24:133-136 '62.

- Study of heat and mass transfer processes in a gas-liquid flow. I.I. Poluev, B.D. Katanalov, A.A. Tarasovskiy. *Teploenergetika* 10 no.4:71-74 Ap '63.

- Use of the law of corresponding states in calculating the heat emission and critical heat flows during the boiling of a liquid. I.L. Mostinskii. *Teploenergetika* 10 no.4:68-71 Ap '63.

- Using the similarity theory to solve the problem of heat exchange between a round cylinder and a transverse flow of loose material. S.V. Dorokov. *Izv.vys. i zap. zav. stroit. i arkhit.* 8 no.1:77-82 '63.

- Vsesoyuznoye soveshchaniye po toplu- i massoperecheniyu. Ist. Minsk, 1961. [Heat and mass transfer] *Teplo- i massoperecheniya* [doklady]. Pod obshchey red. A.V. Lykova i D.M. Smol'skogo. Minsk, Izd-vo Akad. nauk BSSR.

- Vol. 2. [Heat and mass transfer during phase transitions and chemical transformations] *Teplo- i massoperecheniya pri fazovykh i khimicheskikh prevrashcheniyakh.* 1961, 377 p.

HEAT CAPACITY

- Heat capacity of heavy water at high pressure and temperatures. S.L. Rivkin, B.N. Egorov. *Atom. energ.* 14 no.4:416-418 Ap '63.

HEAT ENGINEERING

- Calculation of variable heat conditions in equipment and consumer systems. E.I.A. Sokolov. *Izv.vys. uch. i zap. zav. energ.* 8 no.2:58-64 F '63.

- Heat-generating plants and equipment of sugar factories. M.S. Gurevich, P.D. Fedorov. *Obzornye* by I.S. Trub. *Izv.vys. uch. i zap. zav. i spishch. tekhn.* no.1:137-180 '63.

HEAT ENGINEERING (Continued)

"Theoretical principles of engineering thermophysics" by A. V. Lykov. Reviewed by A. F. Chudnovskii and others. *Izv. vys. ucheb. zav. stroit. i arkhit.* 6 no. 1: 136-139 '63.

HEAT ENGINEERING—ABSTRACTS

[Heat engineering] Ref. zhur.: *Teploenerg.* no. 4 Ap '63.

HEAT ENGINEERING—BIBLIOGRAPHY see Bibliography—Heat engineering

HEAT EXCHANGERS

Calculation of variable heat conditions in equipment and consumer systems. E. I. A. Sokolov. *Izv. vys. ucheb. zav. energ.* 6 no. 2:56-64 F '63.

Cooling of the tar liquor in plate heat exchangers. A. R. Iastrebenetskii and others. *Koks i khim.* no. 3:38-41 '63.

Geraschenko, O. A., and V. G. Fedorov. [Heat flow transducers] *Datchiki teplovogo potoka.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-58-80/8)

Intensification of heat transfer to a gas heat carrier in canals at high temperatures. M. O. Miniallenko. *Zbir. prats' Inst. tepl. AN URSR* no. 24:119-123 '62.

Layout diagrams of heat exchangers made from longitudinally fluted tubes. M. V. Zozulia, O. O. Khavin, I. U. I. Kozub. *Zbir. prats' Inst. tepl. AN URSR* no. 24: 24-32 '62.

Special features of the heat treatment of polydispersed materials in suspension. H. L. Babukha. *Zbir. prats' Inst. tepl. AN URSR* no. 24:77-85 '62.

Study of heat and mass transfer processes in a pulsating flow. I. I. Paleev, B. D. Katsnel'son, A. A. Tarakanovskii. *Teploenergetika* 10 no. 4:71-74 Ap '63.

Study of heat emission and resistance of finned lamellar heat exchangers with grid-type perforated caps having recurved rims. O. O. Kremn'ov, Z. V. Senyilet, M. D. Duts'kiy. *Zbir. prats' Inst. tepl. AN URSR* no. 24:14-23 '62.

Variable operation of heat exchanger apparatus with parallel flow of the heat carriers. N. F. Parfenova, V. F. Stepanchuk. *Izv. vys. ucheb. zav. energ.* 6 no. 2: 87-91 F '63.

HEAT OF DECOMPOSITION

Heats of activation of the reaction of ammonia decomposition on catalysts of various chemical nature. Part I: Iron-based catalysts. I. U. N. Artukh, M. T. Rasiv, O. A. Streletsov. *Kin. i kat.* 4 no. 1:134-138 Ja-F '63.

HEAT OF FORMATION

Enthalpy of vanadium trichloride formation. S. A. Shehukarev and others. *Zhur. neorg. khim.* 7 no. 7:1508-1511 Ji '62.

HEAT OF SOLVATION

New method of determining the energy and heat of solvation of individual ions. N. A. Izmailov. *Dokl. AN SSSR* 149 no. 4:864-867 Ap '63.

HEAT-RESISTANT ALLOYS

El'mov, V. V. [Drilling deep holes in EI-808 (VZh-08) and EI-894 nickel-base heat resistant alloys] *Sverleniye glubokikh otverstii v zharoprochnyykh splavakh na nikel'evoi osnove marok EI-808 (VZh-08) i EI-894.* Leningrad, 1962, 15 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Mekhanicheskaya obrabotka materialov, no. 6)

Khimukhin, F. F. [Alloying, heat treatment and properties of heat-resistant steels and alloys] *Legirovaniye, termicheskaya obrabotka i svoystva zharoprochnykh stali i splavov.* Moskva, Oborongiz, 1962, 336 p.

HEAT-RESISTANT ALLOYS—TESTING

Isaev, A. I., and N. A. Morozov. [Effect of methods and conditions of metal finishing on the operational properties of gas-turbine blade alloys] *Vliyanie metoda i rezhima chistovoi obrabotki na ekspluatatsionnye kachestva gazoturbinskiy lopatочnykh splavov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-127-21)

HEAT RESISTANT STEEL see Steel, Heat resistant

HEAT TREATING FURNACES see Furnaces, Heat treating

HEATING FROM CENTRAL STATIONS

Calculation of variable heat conditions in equipment and consumer systems. E. I. A. Sokolov. *Izv. vys. ucheb. zav. energ.* 6 no. 2:56-64 F '63.

Establishment of rates on thermal power. S. E. Shitsman. *Elek. sta.* 34 no. 3:28-32 Mr '63.

Industrial and economical heating system. A. A. Loktushkin, P. S. Iakovlev. *Stroit. i arkhit. Len.* 24 no. 1:28-29 Ja '62.

HEATING PLANTS see subdivision under Astrakhan

HEAVY ELECTRONS see Mesons

HEAVY WATER see Deuterium oxide

HEDAYAT, SADEQ, 1903-1951

Keshelava, Tengiz. [Sadeq Hedayat's prose] *Khudozhestvennaya proza Sadeqa Khedavata.* Tbilisi, Zaria Vostoka, 1958, 98 p. (MH)

HEGEL, GEORG WILHELM FRIEDRICH, 1770-1831

Gullan, C. I. [Hegel's methodology and system. Translated from the Rumanian] *Metod i sistema Gelelia.* Moskva, Izd-vo inostr. lit-ry. Vol. 1, 1962, 444 p.

HELMINTHOLOGY—CONGRESSES

All-Union Conference of Helminthologists. O. O. Shevtsov. *Vsnyk sil'hozp. nauky* 6 no. 2:121- F '63

HELICOPTERS

(see also subdivision under Moscow)

Automatic pilot in a helicopter. R. Kaprelian, A. Sokolov. *Av. kosm.* 45 no. 4:63-65 Ap '63.

Chief designer Mikhail MII' describes new helicopters. *Sov. Soluz* no. 2:24-25 '63.

Taking down a staircase with the help of a helicopter. E. Boborykin. *Na stroit. Ros.* 4 no. 1:30 Ja '63.

HELIUM

Optimum operating conditions of an optical quantum generator on a neon-helium mixture. I. M. Belousova, O. B. Danilov, I. A. El'kina. *Zhur. eksp. i teor. fiz.* 44 no. 3:1111-1113 Mr '63.

Peak over a spectrogram. I. Bobrov. *Znan. -sliz* 36 no. 2:28-29 F '63.

HELIUM—SPECTRA

Elastic scattering of He³ on C¹², Na²³, Mg, and Al²⁷ nuclei in the energy range 26 to 33 Mev. [with summary in English]. V. M. Pankratov, I. N. Serikov. *Zhur. eksp. i teor. fiz.* 44 no. 3:887-893 Mr '63.

HEMATITE—MAGNETIC PROPERTIES

Temperature changes in the magnetic properties of natural hematites. A. I. A. Vlasov, A. A. Bogdanov, A. G. Zvegintsev. *Izv. AN SSSR. Ser. geofiz.* no. 2: 324-328 F '63.

HEMIPTERA

Role of bugs in the falling off of the fruit organs and the disturbance of the physiological and biochemical processes of the cotton plant. M. Sadykov. *Vop. biol. i krénv. med.* no. 3:150-161 '62.

HEMOGLOBIN

Accumulation of methemoglobin in irradiated erythrocytes. V. P. Makarov, B. G. Kovrov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:125-128 '61.

Current concepts of the mechanism of methemoglobin regeneration. V. V. Ovchinnikov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:118-124 '61.

Decrease in the peroxidase activity of human hemoglobin in the erythrocytes with reduced osmotic resistance. G. S. Kovrov, V. P. Makarov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:214-219 '61.

Determining by spectrophotometric methods the concentration of hemoglobin and its derivatives in an erythrocyte suspension. I. A. Terskov, F. I. A. Sid'ko. *Vop. biofiz., biokhim. i pat. erit.* no. 2:104-106 '61.

Properties of hemoglobin as a function of its age. B. G. Kovrov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:65-76 '61.

HEMOLYSIS AND HEMOLYSINS

Diagnostic value of determining antistreptolysine-O in the blood of children suffering from rheumatic fever [with summary in English]. Zh. Zh. Rapaport, A. M. Smirnova. *Vop. revm.* 1 no. 4:23-28 O-D '61.

Distributions of erythrocytes according to their resistance in equilibrium or nonequilibrium of the erythron. I. A. Terskov, I. I. Gittel'zon. *Vop. biofiz., biokhim. i pat. erit.* no. 2:11-20 '61.

Mechanism of hemolysis. I. I. Gittel'zon, I. A. Terskov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:13-10 '61.

Regularities in the distribution of erythrocytes according to their resistance to various hemolytics. I. I. Gittel'zon, I. A. Terskov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:130-61 '61.

HEMOPHILUS

Bacteriological diagnosis of whooping cough using casein-carbon agar and some biological properties of local Hemophilus pertussis strains. V. A. Frieuf, E. M. Gurdzhilents, V. P. Guechchina. *Zdrav. Turk.* 6 no. 6: 7-11 N-D '62.

HEMOPOIETIC SYSTEM

Hemopoietic activity of human blood serum following the cessation of the action of a chronic hypoxic factor. V. I. Voitkevich. *Dokl. AN SSSR* 148 no. 5:1221-1223 F '63.

Ostroumova, I. N. [Blood indices and hemopoiesis in the ontogeny of fishes] *Pokazateli krovi i krovetvoreniye v ontogeneze ryb.* Leningrad, 1957, 83 p. (Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khozaistva. Izvestiya, vol. 43, no. 3) [With summary in English]

State of the hemopoietic system of imported Rhesus monkeys in Sukhumi vivarium. M. I. Kuksova. *Vop. austr.* no. 11:110-127 '62.

HEMOPOIETIC SYSTEM—DISEASES

Erythroblastosis (Di Guglielmo's syndrome). Z. L. Bagaeva, L. S. Solov'eva. *Vop. biofiz., biokhim. i pat. erit.* no. 2:280-287 '61.

Hemolytic syndrome in erythromyelosis. G. A. Listengarten. *Vop. biofiz., biokhim. i pat. erit.* no. 2:270-279 '61.

HEMORRHAGE

Clinical use of the acid erythrogram method in post-hemorrhagic anemias. B. S. Grakov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:234-252 '61.

Metastatic diseases and the degree of bleeding during tonsillectomy [with summary in English]. V. G. Ermolaev. *Vest. otorin.* no. 4:71-75 '62.

HEPATITIS, INFECTIOUS

Diagnostic value of the reaction to aldolase in children with epidemic hepatitis. S. I. Fishman. *Trudy Kish. gos. med. inst.* 13:133-138 '60.

New method of determining gastric secretion in patients suffering from Botkin's epidemic hepatitis. E. I. A. Kurt-Akovets. *Trudy Kish. gos. med. inst.* 13:125-131 '60.

HERACLITUS, OF EPHEBUS

Kessidi, F. Kh. [Philosophical and aesthetic views of Heraclitus of Ephesus; on the 2500th anniversary of his birth] *Filosofskie i esteticheskie vzglady Geraklita Efesskogo; 2500 let so dnja rozhdeniya.* Moskva, Izd-vo Akad. khudozh., 1963, 163 p.

HERBICIDES

Chemistry that kills. I. Titova. *Znan. -sliz* 36 no. 2: 4-6 F '63.

Simazine from waste products. O. Zherdiev, I. E. Kuznetsov. *Nauka i zhytiye* 12 no. 1:23 Ja '63.

Using herbicides in agriculture [with summaries in English, German, and French]. G. A. Chesalin. *Vest. sel'khoz. nauk* 7 no. 12:40-47 D '62.

HEROES

Day by day. *Sov. Soluz* no. 12:12-13 '62.

[Heroes and exploits] *Geroi i podvigi.* Moskva, Voenizdat, 1963, 370 p.

There is always place in life for heroism. *Sov. Soluz* no. 12:12-13 '62.

HERRING FISHERIES

A "searchlight" on the open sea. Z. Tsybul'skaya. *Komsom. zhizn'* no. 5:7 Mr '63.

HERRIOT, EDOUARD, 1872-1957

Herriot, Edward. [From the past; between two wars, 1914-1939. Translated from the French] *Iz proshlogo; mezdu dvumia voynami 1914-1938. Rod i vspom. stat'ia A. Z. Manfreda.* Moskva, Izd-vo inostr. lit-ry, 1958, 760 p. (IAU)

HETEROCYCLIC COMPOUNDS

Action of phosgene on acetylaldehyde derivatives of heterocyclic bases and some reactions between the compounds formed. N. N. Sveshnikov and others. *Dokl. AN SSSR* 148 no. 5:1091-1094 F '63.

Direct N-arylation of five-membered nitrogen heterocycles. A. F. Pozharskii, B. K. Martakova, A. M. Simonov. *Zhur. ob. khim.* 33 no. 3:1005-1007 Mr '63.

Three-membered aromatic heterocycles. Report No. 4: Reaction of germanium diiodide with acetylene and the synthesis of a three-membered heterocycle and germanium-containing polymer. M. E. Vol'pin, V. G. Dulova, D. N. Kursanov. *Izv. AN SSSR. Old. khim. nauk* no. 4:727-731 Ap '63.

Three-membered aromatic heterocycles. Report No. 5: Vibrational spectra and structure of germanium heterocycles. L. A. Leites, V. G. Dulova, M. E. Vol'pin. *Izv. AN SSSR. Old. khim. nauk* no. 4:731-737 Ap '63.

HETEROSIS

Manifestation of heterosis in intra-subspecies crossing of different corn varieties. S. Patkhulaev. *Vop. biol. i krénv. med.* no. 3:98-104 '62.

HEXANEDIAMINE

Organoboron compounds. Report No. 115: Polycondensation of B-alkyl mercapto derivatives of borazole with hexamethylenediamine and diols. B. M. Mikhailov, A. F. Galkin. *Izv. AN SSSR. Old. khim. nauk* no. 4:641-645 Ap '63.

HIBERNATION

Time of hibernation of the steppe marmot and the lesser suslik in central Kazakhstan [with summary in English]. I. G. Shubin. *Zool. zhur.* 42 no. 2:274-281 '63.

HIDES AND SKINS

Studying the commercial characteristics of the sheep skins obtained from improved Alai sheep breeds. A. N. Mashkov. *Nauch. issl. trudy NIIP* no. 11:3-10 '62.

- HIDES AND SKINS—THERMAL PROPERTIES**
Heat insulating properties of the various kinds of marmot and nutria skins. IU. V. Ignatov. Nauch. issl. trudy NIMP no. 11:41-51 '62.
- HIGH BLOOD PRESSURE** see Hypertension
- HIGH-FREQUENCY RADIO** see Radio, Shortwave
- HIGH PRESSURE RESEARCH**
On unbeaten tracks. L. Kruglov. NTO 5 no. 2:48-50 F '63.
Study of the impact compressibility of titanium, molybdenum, tantalum, and iron. K. K. Krupnikov and others. Dokl. AN SSSR 148 no. 6:1302-1305 F '63.
- HIGH TEMPERATURES**
Silicates and oxides in high-temperature chemistry; a conference in Leningrad. N. A. Toropov, V. B. Glushkova. Vest. AN SSSR 33 no. 3:134-135 Mr '63.
- HIGHER EDUCATION** see Education, Higher
- HIKMET, NAZIM, 1902—BIBLIOGRAPHY** see Bibliography—Hikmet, Nazim, 1902—
- HIMALAYA MOUNTAINS**
Dyhrenfurth, Gunter Oskar [To the third pole; the eight thousand meter peaks of the earth. Translated from the German] K. K. Krupnikov and others. Dokl. AN SSSR 148 no. 6:1302-1305 F '63.
- HINDERED ROTATION THEORY** see Molecular rotation
- HINGES**
Mechanizing the assembly of hinges. N. Golov'ev. Trakt. i sel'khoz mash. 32 no. 12:37 D '62.
- HISTORICAL FICTION, UKRAINIAN**
"The Soviet Ukrainian historical novel; the problem of historical and literary truth" by M. I. Syrotiuk. Reviewed by M. O. Levchenko. Rad. lit. 7 no. 1:134-137 Ja-F '63.
"Soviet Ukrainian historical novels; the problem of historical and artistic truth" by M. I. Syrotiuk. Reviewed by F. P. Shevchenko. Ukr. ist. zhur. 6 no. 1: 143-146 Ja-F '63.
- HISTORICAL MATERIALISM** see Dialectical materialism
- HISTORICAL MUSEUMS** see subdivision under Brno, Czechoslovakia; Kiev; Moscow
- HISTORICAL RESEARCH**
(see also subdivision under Bashkiri; Bulgaria; Great Britain; Ukraine; White Russia)
The All-Union Conference of Soviet Historians. Nov. i noveish. ist. no. 2:3-43 '63.
An appeal of the All-Union Conference of Soviet Historians to the Central Committee of the Communist Party of the Soviet Union. Nov. i noveish. ist. no. 2:3 '63.
Current problems facing the historians of the Communist Party; based on the materials of the All-Union Conference of Soviet Historians. Vop. ist. KPSS 7 no. 3:138-145 Mr '63.
A general meeting of the Department of Historical Sciences of the Academy of Sciences of the U.S.S.R. V. A. Nov. i noveish. ist. no. 2:183-184 '63.
General meeting of the Department of History of the Academy of Sciences of the U.S.S.R. M. I. Assaturova, G. P. Shurbovanyi. Vop. ist. 38 no. 3:101-106 Mr '63.
In the Department of History. Vest. AN SSSR 33 no. 3: 58-61 Mr '63.
Marxist-Leninist theory and the study of particular historical problems [with summary in English, p. 222]. G. G. Diligenskiy. Vop. ist. 38 no. 3:88-100 Mr '63.
Results of the work of the Institute of History of the Academy of Sciences of the U.S.S.R. in 1962. K. N. Barakov. Nov. i noveish. ist. no. 2:182-183 '63.
Toward new achievements of Soviet historical science. Nov. i noveish. ist. no. 2:44-49 '63.
- HISTORY**
Brief news. Vop. ist. 38 no. 3:209-210 Mr '63.
- HISTORY—BIBLIOGRAPHY** see Bibliography—History
- HISTORY—PHILOSOPHY**
Marxist-Leninist theory and the study of particular historical problems [with summary in English, p. 222]. G. G. Diligenskiy. Vop. ist. 38 no. 3:88-100 Mr '63.
Some problems relating to the methods of historical research discussed in V. I. Lenin's work. I. I. Smirnov. Trudy LOH AN SSSR no. 5:8-10 '63.
- HISTORY—SOURCES**
My experience in lecturing on the sources of history. K. D. Antadze. Nov. i noveish. ist. no. 2:133-134 '63.
- HISTORY—STUDY AND TEACHING**
Historical education in schools as a powerful factor of communist education. Sov. pedagog. 27 no. 3:3-9 Mr '63.
Use of museum exhibits in the educational work of schools. P. G. Reznikov. Sov. pedagog. 27 no. 2:78-82 F '63.
- HISTORY, MODERN—BIBLIOGRAPHY** see Bibliography—History, Modern
- HISTORY, MODERN—STUDY AND TEACHING**
Some problems of scholarly research in the field of recent history [with summary in English, pp. 220-221]. I. S. Kashkin and others. Vop. ist. 38 no. 3:54-71 Mr '63.
- HITCHHIKING** see subdivision under Latvia
- HITTITES**
Marek, K. W. [Narrow ravine and Black Mountain. Translated from the German] Uzkoe ushel'e i Chernaya gora. Moskva, Izd-vo vostochnoi lit-ry, 1962, 213 p. (CU)
- HOCKEY**
(see also subdivision under Canada)
Golden pucks. A. Vit. Sov. Soluz no. 4:54-55 '63.
Hockey yesterday and today. E. Rubin. Ogonek 40 no. 50:25-27 D '62.
Three questions for hockey players. Ogonek 41 no. 9: 30 F '63.
- HODGKIN'S DISEASE**
Ultraviolet fluorescence of cells in rat lymphosarcoma. I. A. Barskii, I. E. Brumberg. TSitologiya 4 no. 3: 328-330 My-Je '62.
- HODOGRAPH**
Difference hodographs of the head wave for a circular interface [with summary in English]. IU. Voronin, E. V. Nikol'skii, A. V. Trigubov. Geol. i geofiz. no. 11: 74-85 '62.
- HOISTING MACHINERY**
(see also subdivision under Krasnodar region)
Application of Lagrange's method to the dynamics of a viscoelastic thread (rope) of variable length with a load at one end. IU. S. Postol'nik. Izv. vyzh. ucheb. zav. i mat. no. 2:94-100 '63.
Sling and crosspiece for raising girders. I. Markovskii. Prom. stroit. i inzh. soor. 4 no. 1:53 Ja-F '63.
Small-size accumulator fork lift unit. M. Khar'kovskii. Sov. torg. 36 no. 3:52-54 Mr '63.
Vainson, A. A. [Hoisting and conveying machinery of the construction industry; atlas of technical drawings] Pod'emno-transportnye mashiny stroitel'noi promyshlennosti; atlas konstruktiv. Moskva, Mashgiz, 1962, 151 p.
- HOLIDAYS** see subdivision under Latvia; Ukraine
- HOLLAND** see Netherlands
- HOLY WELLS**
Vilkovskii, I. G. [Truth about the "holy" wells] Pravda o "svyatykh" istochnikakh. [Tambov] Tambovskoe knizhnoe izd-vo, 1961, 45 p. (Veruluzhchii, prochi etu knigul)
- HOMATROPINE**
Effect of atropine and homatropine on the accommodation in refraction determination [with summary in English]. N. A. Rogova. Oft. zhur. 17 no. 7:420-432 '62.
- HOME ACCIDENTS**
The emergency crew rushes to help. S. Agiltskii. Zhil.-kom. khoz. 13 no. 3:8 Mr '63.
- HOME AND SCHOOL**
There are different kinds of independence.... N. Lukin. Sem'ia i shkola 18 no. 3:20-22 Mr '63.
- HOME AND SCHOOL—PERIODICALS**
Notes, reports and brief news. B. Sychev, M. Mironov, I. Kanchiev. Sem'ia i shkola 18 no. 3:33-35 Mr '63.
- HOME ECONOMICS**
For you, housewives! Koop. Kazakh. 5 no. 1:62 Ja '63.
- HOME ECONOMICS—ACCOUNTING** see subdivision under Europe, Eastern
- HOME NURSING**
Movchanova, L. K., and E. A. Usherova. [Home care of patients suffering from diseases of the internal organs] Ukhod za bol'nymi na domu pri zabol'evaniakh vnutrennikh organov. 2., Izd. Leningrad, Medgiz, 1963, 31 p. (DNLM)
- HOMOLOGY THEORY**
Theorem on universal coefficients for spectral groups of cohomologies of differential groups. M. Bokshtein. Dokl. AN SSSR 148 no. 5:997-1000 F '63.
- HONCHAR, OLEKSANDR TEREHTIOVYCH, 1918—**
Landscape is an element of spirit. I. R. Semenchuk. Rad. lit. 7 no. 1:72-82 Ja-F '63.
- HONGKONG—DESCRIPTION**
In the shadow of skyscrapers. L. Pochivalov. Ogonek 40 no. 52:20-21 D '62.
- HORNBEAM**
Hornbeam wood as raw material for the manufacture of semichemical pulp. P. A. Medvedev, L. F. Pozhidayeva. Bum. prom. 38 no. 3:9-11 Mr '63.
- HORNBLLENDE**
(see also subdivision under Ambar Sheld; Yakutia)
Hornblende from garnet amphibolite. A. P. Bobrievich, G. I. Smirnov. Nauch. soob. IAFAN SSSR no. 2:40-41 '68.
- HORSE BREEDING**
Basic principles underlying the breeding work with Kustanay horses. G. G. Khitenkov. Trudy VNIK 21 no. 2:95-103 '58.
Basic principles underlying the breeding work with large Soviet draft horses. A. I. Kogon. Trudy VNIK no. 10:206-202 '52.
Basic principles underlying the breeding work with Orloff trotters. A. P. Isupov. Trudy VNIK no. 10: 27-28 '62.
Basic principles underlying the breeding work with Russian trotters. A. P. Isupov. Trudy VNIK no. 10: 27-28 '62.
Basic principles underlying the breeding work with thoroughbred saddle horses. M. B. Ignat'eva. Trudy VNIK no. 10:147-205 '52.
Breeding work with Soviet draft horses. A. I. Kogon. Trudy VNIK 22 no. 1:264-310 '58.
Breeding work with thoroughbred saddle horses in the U.S.S.R. M. B. Ignat'eva. Trudy VNIK no. 10: 104-298 '58.
Importance of Orloff trotters for large-scale improvement of farm horse breeding in the U.S.S.R. L. I. Lakoza. Trudy VNIK no. 10:5-26 '52.
Increasing the load on stallions in controlled mating. A. N. Bulko-Rogalevich. Trudy VNIK no. 17:113-127 '40.
Orloff trotters and methods for their improvement. L. I. Lakoza. Trudy VNIK 22 no. 1:17-224 '58.
Present state of Don horses and trends in further breeding work. L. V. Kashanov. Trudy VNIK 22 no. 2:37-94 '58.
State of Budennyi horses and trends in further breeding work. G. G. Khitenkov. Trudy VNIK 22 no. 2:3-35 '58.
Thoroughbred saddle horses in foreign countries. M. B. Ignat'eva. Trudy VNIK 22 no. 2:230-309 '58.
- HORSEMAN**
Jockeys and riders. S. M. Budennyi. Ogonek 40 no. 52: 26-27 D '62.
- HORSEPOWER (MECHANICS)**
Determining the indicated horsepower of machine internal combustion engines. IU. V. Seleznev. Trudy NIIV'a no. 12:90-106 '62.
- HORSES**
Belonogov, M. I. [Raising, training, and trying young saddle horses] Vyrashchivanie, trenirovaniye i ispytaniye verkhovogo molodnitsa. Ashkhabad, Izd-vo Akad. nauk Turkmen'skoi SSR, 1960, 36 p. (DNAL)
Bronze and living. V. Rudin. Ogonek 40 no. 46:32, 1 of cover N '62.
State and possibilities of the development of horse raising in the U.S.S.R. M. I. Rogalevich. Trudy VNIK 22 no. 1:3-16 '58.
- HORSES—FEEDING AND FEEDS**
Sapropel as forage for horses. E. A. Chalik. Trudy VNIK no. 17:145-152 '40.
- HORTOBAGY, HUNGARY—FISHERIES**
Fish in the steppe. Irina Sokolova. Vokrug avta no. 3: 27-28 Mr '63.
- HOSE—TESTING**
Apparatus for testing jet hose. R. I. Iashuk. Posh. delo 9 no. 2:26 F '63.
- HOSPITAL CARE**
Hospitalization in diseases of the oral cavity and the teeth. N. V. Maslenkova. Probl. stom. 6:344-356 '62.
- HOSPITAL PHARMACIES**
Improve the work of the pharmacies in medical institutions. Kh. M. Radovii'skiy. Farmatsov. zhur. 17 no. 4:50-59 '62.
- HOSPITAL SOCIAL WORK** see Medical social work
- HOSPITALS**
Kurashov, S. V. [Hospital care has reached a new stage] Bol'nichnaya pomoshch' na novom etape. Moskva, Medgiz, 78 p.
- HOSPITALS, OPHTHALMIC AND AURAL**
New forms of organizing ophthalmic dispensary service for the population [with summary in English]. N. A. Puchkovskaya, G. A. Dragomiretskii, M. N. Mol'nik. Oft. zhur. 17 no. 7:387-390 '62.
- HOSPITALS, RURAL**
Work of a rural district hospital. G. Gusmanov, Zdrav. Turk. 2 no. 6:39-41 N-D '60.
- HOTEL HOUSEKEEPING**
The crew method is introduced into hotels. E. Isalova, P. Soldatova, M. Levchenko. Zhil.-kom. khoz. 13 no. 2:22 '63.

HOTEL MANAGEMENT

Kaplanov, P. A. [Hotel operation and equipment] *Eksploatacia i oborudovanie gostinita*, Izd. 3., perer. i dop., Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962, 145 p.

HOTELS, TAVERNS, ETC.

Even if it isn't your duty. E. Pataevich. *Zhhl. -kom. khoz.* 13 no. 1:8-9 '63.

HOURS OF LABOR

Answering our readers' questions. *Sov. iust.* no. 6:29-30 Mr '63.

Effect of the shorter working day on the dynamics of efficiency and the distribution between working hours and free time. I. M. Denisova, S. A. Kostlov, G. G. Sanoian. *Teor. i prak. fiz. kul't.* 26 no. 2:48-50 F '63.

Legal regulation of the hours of labor on state farms [with summary in English]. T. V. Ivankina. *Vest. LGU* 18 no. 5:112-120 '63.

Methods and some results of studying the sociological problem "How Soviet workers use their time." M. P. Goncharenko and others. *Nauch. dokl. vys. shkoly/filos.* nauki 8 no. 1:29-39 '63.

Price of mismanagement. N. Ivanov. *Sov. profsoyuzy* 13 no. 6:24-25 Mr '63.

HOUSE PLANTS

Dyrdovskiy, V. U. [House plants and their care] *Kimnatni kvity ta dohilad za nymy.* [Kuliv] Vyd-vo Kyiv's'koho univ., 1962, 51 p. (DNAL)

HOUSEHOLD APPLIANCES, ELECTRIC—EXHIBITIONS

see subdivision under Moscow

HOUSING see subdivision under Moscow

HOUSING—LAW AND LEGISLATION

Determination of the "members of the family" in Soviet housing law [with summary in English]. A. G. Potlukov. *Vest. LGU* 18 no. 5:88-98 '63.

How Soviet courts implement Articles 5, 14, and 25 of the "Basic Principles of Civil Law." E. Aineva, A. Baryshev. *Sov. iust.* no. 4:6-9 F '63.

We should struggle against those who grab and litigate. A. Kholavchenko, I. A. Ivanovskii. *Sots. zakon.* 39 no. 10: 14-18 O '62.

HOUSING MANAGEMENT

(see also subdivision under Moscow; Moscow Province)

The emergency crew rushes to help. S. Aglitkii. *Zhhl. -kom. khoz.* 13 no. 3:8 Mr '63.

In a single flow. V. Babko. *Zhhl. -kom. khoz.* 13 no. 1: 10-11 '63.

Kindred spirits. A. Novikov. *Zhhl. -kom. khoz.* 13 no. 1:23 '63.

Services came to the house. I. U. Dolgopintov. *Zhhl. -kom. khoz.* 13 no. 1:11-13 '63.

We answer readers' questions. *Zhhl. -kom. khoz.* 13 no. 3:29 Mr '63.

HRINCHENKO, BORYS, 1893-1910

Unfinished article "Borys Hrinchenko" written by O. I. Rilets'kyl. M. D. Bernshteyn. *Rad. lit.* 7 no. 1:114-122 Ja-F '63.

BRYHORAK, VOLODYMYR

"Renunciation" by Volodymyr Bryhorak. Reviewed by Oleksandr Motornyi. *Volov. atelst* 3 no. 3:59-60 Mr '63.

HULLS (NAVAL ARCHITECTURE)

Conditions of establishing the rated characteristics of external forces in the probability estimates of the general strength of a ship's hull. N. V. Chetyrkin. *Trudy TSNIIMF* no. 41:23-42 '62.

Determining the dimensions of bottom girders of petroleum tankers. A. M. Mel'nikov. *Trudy TSNIIMF* no. 41: 57-60 '62.

Estimated wave height. A. I. Maksimadzhii. *Sudostroenie* 29 no. 1:10-20 Ja '63.

Hatch cover for a cargo hold. A. M. Polikarpov, M. M. Polikarpov. *Sbor. izobr. v ryb. prom.* za 1959 g. 110-111.

Hatch cover for a cargo hold. V. I. Varenko, V. N. Malafeev. *Sbor. izobr. v ryb. prom.* za 1959 g. 112-113.

Method of laying out sheets for the external cover of the hull. A. I. Pliushenko. *Sbor. izobr. v ryb. prom.* za 1959 g. 1108.

P'latets'kyl, V. I. U. [Vessels of simplified shape for restricted channels] *Sudna sproshchennykh form dlia obmezhcheno farvateru.* Kyiv, Vyd-vo AN URSR, 1962, 63 p.

Rated thickness of worn plating on ship hulls. D. T. Chapkis. *Inform. sbor. TSNIIMF* no. 75. *Tekh. eksp. mor. flota* no. 14:88-94 '62.

River-going catamaran-motorship freighter. N. S. Galashov. *Sudostroenie* 29 no. 1:10-12 Ja '63.

Selecting an estimated wave height. A. I. Maksimadzhii. *Trudy TSNIIMF* no. 41:81-90 '62.

Standardizing the strength of longitudinal girders for double bottom cargo ships. A. I. Maksimadzhii. *Trudy TSNIIMF* no. 41:43-66 '62.

HULLS (NAVAL ARCHITECTURE)—MAINTENANCE AND REPAIR

Damage to the hull of the steamship "Shantar." *Inform. sbor. TSNIIMF* no. 75. *Tekh. eksp. mor. flota* no. 14: 77-85 '62.

HUMAN ANATOMY see Anatomy, Human

HUMAN FIGURE IN ART

Akademija khudozhestv SSSR. [School of fine arts in nine issues] *Shkola izobrazitel'nogo iskusstva v devyati vypuskakh.* Moskva, No. 4. 1962. 233 p. illus.

HUMAN RELATIONS see Interpersonal relations

HUMANISM

Humanism of Soviet literature. V. Shcherbina. *Kul't. i zhizn'* 6 no. 9:24-27 '62.

HUMANITIES

Scientific basis for guiding the development of a society. L. F. M'ichev. *Nauka i zhizn'* 29 no. 12:2-25 D '62.

HUMANITIES—STUDY AND TEACHING

General review lessons in senior grades. V. A. Kareva. *Sov. pedagog.* 27 no. 3:55-62 Mr '63.

HUMIC ACID

Nature of the soil-stabilizing and aggregating action of Na-humates on kaolinite clay suspensions. M. M. Gurvich. *Azerb. khim. zhur.* no. 2:103-111 '62.

HUMIDITY see subdivision under Caucasus

HUMIDITY—MEASUREMENT

Naumovets, A. S. [Air humidity transducer with a humidity sensitive membrane] *Datchik vlazhnosti vozdukh s vlagochuvstvitel'noi plenkol.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 14 p. (Pere-dovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-57-13/3)

HUMUS

Biology of humus and soil fertility problems [with summary in English]. I. V. Tiurin, M. M. Kononova. *Pochvovedenie* no. 3:1-13 Mr '63.

Low-molecular organic acids in the composition of water-soluble soil organic substances [with summary in English]. I. S. Kaurichev, T. N. Ivanova, E. M. Nozdurnova. *Pochvovedenie* no. 3:27-35 Mr '63.

HUNGARIAN DRAMA

Gershkovitch, A. A. [Theatrical Budapest] *Teatral'nyi Budapest.* [Moskva, Iskustvo, 1961] 161 p. (MH)

HUNGARIAN PERIODICALS

Through the pages of magazines of fraternal nations. Karoly Karsai. *Kul't. -pros. rab.* 24 no. 1:44 Ja '63.

HUNGARY—AGRICULTURE

Profound changes. Karol Nemet. *Part. zhizn'* no. 7:65-80 Ap '63.

HUNGARY—AGRICULTURE, COOPERATIVE

Following the tracks of Zsigmond Moricz. Bela Kovacs. *Ogonek* 41 no. 9:3 F '63.

HUNGARY—BIBLIOGRAPHY

[New literature on Hungary] *Nov. lit. po Veng.* no. 12 '62; nos. 1-2 '63.

HUNGARY—COKE INDUSTRY—BY-PRODUCTS

Obtaining germanium dioxide from by-products of lignite processing. N. Nadasy, P. Takacs, A. Horvath. *Koks i khim.* no. 3:9-11 '63.

HUNGARY—ECONOMICS—PERIODICALS

Problems of a socialist planned economy in the "Kozgaz-dasagi Szemle" Journal in 1962. L. Samuelli. *Plan. khoz.* 46 no. 4:81-87 Ap '63.

HUNGARY—FOREIGN ECONOMIC RELATIONS

International aspect of Hungary; an interview with Professor Jozsef Bogner. *Nov. vrem.* 20 no. 14:8-7 Ap '63.

HUNGARY—HISTORY

Lerov, L. M. [You are acquainted with them...; sketches] *Vy s nimi znakomy...; ocherki.* Moskva, Izd-vo "Pravda," 1963. 46 p. (Biblioteka "Ogonek," no. 8)

HUNGARY—JUSTICE, ADMINISTRATION OF

Administration of justice in the Hungarian People's Republic. F. Nozval. *Sov. iust.* no. 6:18-20 Mr '63.

HUNGARY—PAPER INDUSTRY WORKERS

Among Hungarian friends. Gabor Monus. *Vsem. prof. dvizh.* no. 1:38-39, 46 Ja '63.

HUNGARY—REVOLUTION, 1956

TSentral'noe ob'edinenie politicheskikh emigrantov iz SSSR. [Truth and falsehood about Hungary; based on materials of the Special Committee of the United Nations] *Pravda i lozh'* o Vengrii; po materialam Spetsial'nogo komiteta Organizatsii Ob'edinennykh Natsii. Munich, 1957. 28 p. (MH)

HUNGARY—UPRISING OF 1848-1849

"An alliance of the Hapsburgs and Romanovs" [in Hungarian] by E. Andics. Reviewed by M. F. Lebovich. *Nov. i novelish. ist.* no. 2:134-136 '63.

HUNTING

An Evenki went to a hunt... G. Kuposov, V. Peskov. *Ogonek* 41 no. 10:30-32 Mr '63.

HYALURONIDASE

Antistreptohyaluronidase in the blood in rheumatic fever and nonrheumatic myocarditis. S. I. Lilenko. *Vop. pat. krov. i krovoobr.* no. 6:109-112 '61.

HYBRID CORN

(see also subdivision under Ukraine)

Effect of foreign pollen on the depression of self-pollination and characteristics of hybrid corn [with summaries in English, German, and French]. Z. V. Lebedeva. *Vest. sel'khoz. nauki* 7 no. 12:19-24 D '62.

Line-variety and interlinear hybrids. R. Kh. Khodzhimuradova. *Vop. biol. i kraev. med.* no. 3:135-142 '62.

Manifestation of heterosis in intra-subspecies crossing of different corn varieties. S. Patkhullaev. *Vop. biol. i kraev. med.* no. 3:95-104 '62.

HYBRIDIZATION

Hybrid sterility as a limiting factor in the distribution of allopatric species. V. A. Zaslavskii. *Dokl. AN SSSR* 149 no. 2:470-471 Mr '63.

HYDRATION

Determination of the kinetic hydration numbers of Li⁺ ions in highly concentrated LiCl solutions. B. P. Konstantinov, V. P. Troshin. *Zhur. prikl. khim.* 36 no. 2: 449-451 F '63.

Effect of the regeneration and activation of alumina-chromia catalysts on their texture and the degree of surface hydration. A. M. Rubinshtein, K. I. Slovetekina, T. R. Brueva. *Kin. i kat.* 4 no. 1:139-142 Ja-F '63.

Reaction of organic thiocyanates with water in the presence of hydrogen chloride. E. N. Zil'berman, A. I. Lazaris. *Zhur. ob. khim.* 33 no. 3:1023-1026 Mr '63.

HYDRAULIC CONTROL

Permanent hydraulic slide. I. U. tekhn. 7 no. 3:44 Mr '63.

Use of hydraulic controllers. I. U. A. Shlozberg. *Energetik* 10 no. 6:4-5 Je '62.

HYDRAULIC CONVEYING

(see also subdivision under Kizel Basin)

[Hydraulic and pneumatic transportation in mining enterprises] *Gidravlicheski i pnevmaticheski transport na gornykh predpriyatiakh.* [By] A. O. Spivakovskii i dr. Moskva, Gosgortekhnizdat, 1962, 260 p.

Methods of designing pressureless hydraulic coal conveying. V. V. Ivakin. *Trudy Inst. gor. dela UFAN SSSR* no. 3:101-113 '62.

Silin, N. A., and S. G. Kobornik. [Operating conditions of large dredgers and pipelines] *Rezhimy raboty krupnykh zemlenosnykh snariadov i truboprovodov.* Kiev, Izd-vo AN URSR, 1962. 214 p.

Using chamber feeders in hydraulic transportation of rocks during mine construction. M. E. Zhurzhia. *Shakht. stroit.* 7 no. 4:10-12 Ap '63.

HYDRAULIC ENGINEERING see subdivision under Dnieper River; Kiev; Kutan

HYDRAULIC ENGINES

Five times smaller, twenty-five times more powerful. M. Blanter. *Iun. tekhn.* 7 no. 3:42-43 Mr '63.

HYDRAULIC MINING

(see also subdivision under Donetsk Basin; Kizel Basin)

Experiments on the eroding-away of arenaceous-argillaceous specimens with two interacting jets. I. S. Kuklin, I. U. N. Osolkov, A. V. Paducheva. *Trudy Inst. gor. dela UFAN SSSR* no. 3:49-51 '62.

Some problems in scientific studies in the field of hydraulic rock breaking. I. S. Kuklin. *Trudy Inst. gor. dela UFAN SSSR* no. 3:3-7 '62.

Study of the efficiency of the hydraulic breaking of hard coals under laboratory conditions. G. N. Khrushchov, I. S. Kuklin. *Trudy Inst. gor. dela UFAN SSSR* no. 3: 9-18 '62.

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

(see also subdivision under Donetsk Basin)

Basic parameters and breaking capacity of a jet. K. M. Shtukaturov, I. S. Kuklin. *Trudy Inst. gor. dela UFAN SSSR* no. 3:71-81 '62.

Basic problems in the engineering theory of a hydraulic giant jet. I. S. Kuklin. *Trudy Inst. gor. dela UFAN SSSR* no. 3:53-61 '62.

Effect of the initial diameter and the pressure of a jet on its quality. K. M. Shtukaturov, I. S. Kuklin. *Trudy Inst. gor. dela UFAN SSSR* no. 3:83-86 '62.

Pressure of a hydraulic giant jet on a flat wall. I. S. Kuklin, G. S. Kulikov, A. V. Paducheva. *Trudy Inst. gor. dela UFAN SSSR* no. 3:97-99 '62.

Recent developments in methods of studying the structure of hydraulic giant jets. I. S. Kuklin, K. M. Shtukaturov. *Trudy Inst. gor. dela UFAN SSSR* no. 3:63-69 '62.

HYDRAULIC MINING—TERMINOLOGY

Proposal on terminology in the field of hydraulic rock breaking. I. S. Kuklin. Trudy Inst. gor. dela UTAN SSSR no. 3:91-93 '62.

HYDRAULIC PRESSES—VIBRATION

Approximate calculation of natural frequencies of four-pillar forging presses. M. V. Polonskiy. Vest. mashinost. 43 no. 3:57-61 Mr '63.

HYDRAULIC STRUCTURES

Special features of the calculation of the overflow front of water-power developments which include buildings of hydroelectric power stations. G. A. Pretro. Izv. vys. ucheb. zav. energ. 6 no. 2:97-103 F '63.

HYDRAULIC STRUCTURES—DESIGN AND CONSTRUCTION

Russia (1923- U. S. S. R.) Gosudarstvennyy komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt. 2, Sec. I, ch. 1. [River hydraulic structures, basic principles of design (SNIP II-I, 1-82)] Gidrotekhnicheskoe sooruzheniye, rechnye osnovnye polozeniya proektirovaniya (SNIP II-I, 1-82) 1962, 31 p.

HYDRAULIC TURBINES

Calculation of the blades of high-pressure adjustable-blade hydraulic turbines using the "Strela" computer. B. I. A. Kantor. Energomashinostroyeniye 9 no. 2:10-13 F '63.

Effect of the type of cavitation on the form of breakaway characteristics of a hydraulic turbine. L. S. Shmuglikov. Energomashinostroyeniye 9 no. 1:25-27 Ja '63.

Hydraulic turbines of the Uch-Kurgan Hydroelectric Power Station. I. I. Shiro. Energomashinostroyeniye 9 no. 2:1-4 F '63.

Signs of cavitation damage in hydraulic turbines and their repair under operating conditions. M. I. Gal'perin, I. A. F. Fiterman. Energomashinostroyeniye 9 no. 2:32-36 F '63.

Some data on the economic and engineering efficiency in using welded units in the construction of large hydraulic turbines. Z. M. Gamze, S. I. Golosovskiy. Energomashinostroyeniye 9 no. 2:24-27 F '63.

Use of high-speed electronic computers in designing the rotor wheels of hydraulic turbines. A. I. Aronson, V. P. Petrov. Energomashinostroyeniye 9 no. 1:3-6 Ja '63.

Use of molybdenum disulfide for lubricating thrust bearings and gate bearings of hydraulic turbines. S. A. Filippovich. Energomashinostroyeniye 9 no. 1:44-46 Ja '63.

HYDRAULICS

Grishanin, K. V. [Hydraulics] Gidravlika. Izd. 2, perer. Leningrad, Izd-vo "Rechnol transport," 1962, 268 p.

Using I. K. Alekseev's self-recording flowmeter for studying the speed of flow in reservoirs. N. V. Butorin, A. S. Litvinov. Biol. Inst. biol. vodokhran. no. 12:59-62 '62.

HYDRAZIDES

Substituted hydrazides of hydroxycarboxylic acids. Part 8: p-Tolylhydrazides of diaryl- and dialkyl glycolic acids. I. S. Berdinskii, I. D. Itskova. Zhur. ob. khim. 33 no. 3:943-945 Mr '63.

HYDRAZINES

Disintegration of molecular ions formed by photolysis of hydrazine and some of its alkyl derivatives. M. E. Akopjan, F. I. Vitesov. Kin. i kat. 4 no. 1:39-52 Ja-F '63.

Reactions of hydrazine derivatives. Part 37: Synthesis of alkyl hydrazines and pyrazole esters of dimethylcarbamate acid. A. N. Kost, R. S. Sagitullin. Zhur. ob. khim. 33 no. 3:867-874 Mr '63.

Synthesis of high-molecular weight amides and hydrazides of penicillins. S. N. Ushakov, E. F. Panarin. Dokl. AN SSSR 149 no. 2:334-337 Mr '63.

HYDRAZO COMPOUNDS

Derivatives of benz(c,d)indoline. Part 8: Transformations of 1-arylamino benz(c,d)indolin-2-ones: opening of a heterocycle and rearrangement of pericarboxylic acids of hydrazo compounds. N. S. Dokunikhin, G. I. Bystritskii. Zhur. ob. khim. 33 no. 3:974-980 Mr '63.

HYDRAZONES

Syn-anti-isomerism of 3-aryl hydrazones of 6-methyl-2,3-piperidinedione. M. N. Preobrazhenskaya and others. Dokl. AN SSSR 148 no. 5:1088-1090 F '63.

HYDRAZONES—ABSORPTION SPECTRA

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 2: Infrared spectra of phenylhydrazones of some ketones. R. R. Shagildullin and others. Izv. AN SSSR, Otd. khim. nauk no. 4:633-637 Ap '63.

HYDRINDACENE

Synthesis of the system 1,3,5,7-tetraketo-s-hydrindacene. O. Neland, M. Vavere. Zhur. ob. khim. 33 no. 3:1044-1045 Mr '63.

HYDROBIOLOGICAL RESEARCH

Luminescence analysis of lacustrine detritus. A. G. Rodina. Dokl. AN SSSR 149 no. 2:434-437 Mr '63.

HYDROCARBONS

Absorption capacity of oils used for the absorption of benzene hydrocarbons. I. U. N. Garber, N. A. Iuferova. Koks i khim. no. 3:35-37 '63.

Addition of triphenyl radicals to 1,3-enyne tin hydrocarbons. V. S. Zavgordnii, A. A. Petrov. Dokl. AN SSSR 149 no. 4:846-848 Ap '63.

Column with grid-type plates for benzene hydrocarbon desorption from coal tar absorbing oil. A. I. Mironov. Koks i khim. no. 3:33-34 '63.

Comparative evaluation of the quality and stability of oils obtained from eastern sulfur-bearing and Baku crudes. R. Sh. Kuliev, G. T. Musaev, E. K. Atrapetova. Azerb. khim. zhur. no. 2:31-39 '62.

Conjugated systems. Part 109: Addition of dialkyl phosphoryl chlorides to diene hydrocarbons. N. A. Razumova, A. A. Petrov. Zhur. ob. khim. 33 no. 3:783-789 Mr '63.

Regularities in the catalytic dehydrogenation of alkyl aromatic hydrocarbons. O. K. Bogdanova, A. A. Balandina, I. P. Belomestnykh. Izv. AN SSSR, Otd. khim. nauk no. 4:611-616 Ap '63.

HYDROCHLORIC ACID

Course of the reaction of hydrogen chloride addition to vinylacetylene. I. M. Dolgopoli'skii, I. U. V. Trenke. Zhur. ob. khim. 33 no. 3:773-777 Mr '63.

Reaction of organic thiocyanates with water in the presence of hydrogen chloride. E. N. Zil'berman, A. I. Lazaris. Zhur. ob. khim. 33 no. 3:1023-1026 Mr '63.

Solubility of hydrogen chloride in chlorobenzene. I. U. A. Streplikheev, B. M. Babkin. Khim. prom. no. 1:38-39 Ja '63.

Vapor phase catalytic conversions of acetylene. Part I: Adsorption of acetylene and hydrogen chloride on catalysts for vapor phase hydrochlorination of acetylene. A. I. Gel'fshtein and others. Kin. i kat. 4 no. 1: 148-155 Ja-F '63.

HYDRODYNAMICS

Determining the ratio between the coefficients of turbulent heat transfer and momentum. V. I. Subbotin, M. Kh. Ibragimov, E. V. Nomofilov. Atom. energ. 14 no. 4: 414-416 Ap '63.

Estimated wave height. A. I. Maksimadzhii. Sudostroyeniye 29 no. 1:16-19 Ja '63.

Pressure losses at the confluence of currents in open channels. S. V. Iakovlev, I. U. M. Laskov, V. I. Kalitau. Izv. vys. ucheb. zav. stroit. i arkhit. 6 no. 1:60-68 '63.

Progressive motion of a body above the interface of two liquids. V. S. Voitsenya. Izv. vys. ucheb. zav. mat. no. 2:20-30 '63.

Solution of the problem of a flow under a deepest multiphase spillway by the method of summary representations [with summary in English]. I. I. Lashko. Prikl. mekh. 9 no. 2:190-200 '63.

HYDROELECTRIC POWER STATIONS

(see also subdivisions under Angara Valley; Cetina River; Vityug River; see also Bratsk Hydroelectric Power Station; Charvak Hydroelectric Power Station; Dneprodzerzhinsk Hydroelectric Power Station; Irkutsk Hydroelectric Power Station; Krasnoyarsk Hydroelectric Power Station; Uch-Kurgan Hydroelectric Power Station; Ust'-Ilim Hydroelectric Power Station)

Concerning the repudiation of the necessity to install artificial grounding systems in hydroelectric power stations. N. A. Korzh. Energetik 10 no. 6:25-27 Je '62.

Power losses in the machinery of a hydroelectric power station with continuous regulation. G. U. Gladovich. Elek. sta. 34 no. 3:44-47 Mr '63.

Special features of the calculation of the overflow front of water-power developments which include buildings of hydroelectric power stations. G. A. Pretro. Izv. vys. ucheb. zav. energ. 6 no. 2:97-103 F '63.

HYDROELECTRIC POWER STATIONS—FIRES AND FIRE PREVENTION

Automation in hydroelectric power stations. I. Shchepalov. Pozh. delo 9 no. 2:14 F '63.

HYDROELECTRIC POWER STATIONS—WELDING

Removal of sludge from acetylene. K. D. Novikov. Energetik 10 no. 6:15 Je '62.

HYDROFLUORIC ACID

Direct photometric method for the determination of small amounts of hydrogen fluoride [with summary in English]. E. A. Peregod, B. S. Bolikina. Zhur. anal. khim. 17 no. 5:811-813 Ag '62.

Effect of the composition of baths of hydrofluoric acid on the strengthening of silicate glass. I. M. Krasovskaya, E. N. Kulikova, V. A. Riabov. Stek. i ker. 20 no. 4:13-15 Ap '63.

Interaction in the system $\text{Hf} - \text{ZrF}_4 - \text{H}_2\text{O}$ at 25°C. N. S. Nikolaev, I. U. A. Buslaev, M. P. Gusevskaya. Zhur. neorg. khim. 7 no. 7:1665-1669 Ji '62.

Partial equilibrium pressures of HfF_4 and H_2O above aqueous solutions. V. V. Il'garinov, Z. O. Sazanova, K. P. Kizazeva. Zhur. prikl. khim. 36 no. 2:237-241 F '63.

HYDROFOIL BOATS—HANDLING

Poluektov, V. G. [Handling of ships with underwater wings] Upravleniye sudami na podvodnykh kryl'kakh. Redaktor E. I. Chestnov. Moskva, Izd-vo "Rechnol transport," 1962, 56 p.

[MICROFILM]

HYDROGEN

Allowing for distortion of the incident s-wave in the ionization of hydrogen atoms by electrons. V. I. Veldre, R. K. Peterkop. Opt. i spekt. 13 no. 4: 461-464 O '62.

Collisions between electrons and hydrogen atoms taking strong bonding and exchange into account. R. I. A. Damburg, R. K. Peterkop. Opt. i spekt. 13 no. 4: 597-598 O '62.

Mobility of hydrogen atoms in methylene groups of anhydro-2-benzimidazolymercaptoacetic and β -mercapto-propionic acids. I. I. Chizhevskaya, I. I. Gaponovich, L. V. Pozniak. Zhur. ob. khim. 33 no. 3:945-949 Mr '63.

Neutron diffraction study for the localization of hydrogen atoms in the structure of lithium sulfate monohydrate $\text{Li}_2\text{SO}_4 \cdot \text{H}_2\text{O}$. R. P. Ozerov and others. Dokl. AN SSSR 148 no. 5:1069-1072 F '63.

Reaction of aluminum alkyls with hydrogen. K. S. Minkov and others. Izv. AN SSSR, Otd. khim. nauk no. 4:637-640 Ap '63.

Recombination of hydrogen atoms on the surface of platinum. I. N. Frantsovich, V. A. Lavrenko. Dokl. AN SSSR 148 no. 5:1137-1140 F '63.

Study of the conversion of mono- and di-tertiary amylbenzenes under conditions of catalytic cracking taking the hydrogen redistribution into account. M. R. Musayev, G. A. Gukasova. Azerb. khim. zhur. no. 2:56-58 '63.

HYDROGEN—ANALYSIS

Use of copper for the absorption of halogens in the microdetermination of carbon and hydrogen [with summary in English]. A. S. Zdobrodina, S. I. A. Levina. Zhur. anal. khim. 17 no. 5:844-846 Ag '62.

HYDROGEN BONDING

Determination of the formation energy of a quasimolecular cycle with an H-bond from molecular infrared spectrum data. D. N. Shigorin, A. P. Skokhinov, T. S. Riabchikova. Dokl. AN SSSR 148 no. 2:341-344 Mr '63.

Hydrogen bonding studied by means of nuclear magnetic resonance; effect of steric hindrance on the hydrogen bond in diorthoalkyl phenols. V. P. Bystrav and others. Dokl. AN SSSR 148 no. 5:1077-1080 F '63.

Nature of substances with intermolecular hydrogen bond. M. I. Shakhparonov. Dokl. AN SSSR 148 no. 2:374-377 Mr '63.

Nature of the hydrogen bond in systems with π -electrons and its effect on the proton magnetic resonance. D. N. Shigorin and others. Dokl. AN SSSR 148 no. 5:1141-1144 F '63.

Using infrared spectra as a basis for determining the hydrogen bonding energy of isobutyric acid in solutions. A. L. Smolinskii. Opt. i spekt. 13 no. 4:475-478 O '62.

HYDROGEN-ION CONCENTRATION

Concentration of hydrogen ions in the sperm of molluscs. P. P. Pechnikov. Trudy VNIK no. 17:123-132 '49.

Extractibility of inner complex compounds as dependent on the pH of the aqueous phase. Minima on the extraction curves [with summary in English]. I. P. Altmanin, O. M. Petrukhin, I. U. A. Zolotov. Zhur. anal. khim. 17 no. 5:544-550 Ag '62.

Portable rod-type pH-meter. O. B. Andreev. Khim. prom. no. 1:73 Ja '63.

Rotinian, A. L., and T. M. Ovechinnikova. [Measuring acidity in the cathode layer during the electrolysis of aqueous solutions] Izmereniye kislotnosti v prikladnom sloe pri elektrolize vodnykh rastvorov. Leningrad, 1962, 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen periodovym opytom. Seriya: Zashchitnye pokrytiya, no. 7)

HYDROGENATION

Hydrogenation of α -, β - and γ -acetylenic hydrocarbons in their binary mixtures on a skeletal nickel catalyst. L. Kh. Freidlin, I. U. Kuup. Izv. AN SSSR, Otd. khim. nauk no. 4:742-748 Ap '63.

Hydrogenation of phenolic resin obtained in the production of diphenylolpropane. A. B. Vol'-Epshteyn, B. I. Lifshits, V. V. Surovtseva. Zhur. prikl. khim. 36 no. 2:466-469 F '63.

Investigating oil and fuel fractions obtained by the hydrogenation of diesel oil distillates and raffinates. M. A. Mardanov and others. Azerb. khim. zhur. no. 2:23-30 '62.

Investigating the composition of decalin obtained by the hydrogenation of naphthalene in the presence of sulfur-resistant catalysts. I. E. Drabkina and others. Koks i khim. no. 3:48-50 '63.

HYDROGENATION (Continued)

Kinetics of reactions involving the solid phase. Part 2: Hydrogenation of iron carbides. A. I. A. Rozovskii and others. *Kin. i kat.* 4 no. 1:97-100 Ja-F '63.

Selective determining of xylite and xylose content in their mixture. V. G. Kul'nevich, I. U. E. Fal'kovich, T. L. Parfent'eva. *Izv. vys. ucheb. zav. pishch. tekhn.* no. 1: 153-157 '63.

Sequence of reactions in the process of hydrogenation of piperylene on a skeletal nickel catalyst. L. Kh. Freidlin and others. *Kin. i kat.* 4 no. 1:128-133 Ja-F '63.

HYDROGENOLYSIS

Hydrogenolysis of xylite. Part 1: Effect of temperature and pressure. N. A. Vasilenko, A. A. Balandin, I. U. Matvatov. *Kin. i kat.* 4 no. 1:156-162 Ja-F '63.

HYDROLOGY

(see also subdivision under Caspian Sea; Novaya Zemlya)

Institutions of the Hydrometeorological Service. *Meteor. i gidrol.* no. 3:63-64 Mr '63.

HYDROLYSIS

Combined method for the hydrolysis of ethyl silicates. V. I. Berezina, T. N. Shubina. *Lit. proizv.* no. 1:38 Ja '63.

Hydrolysis of pentavalent vanadium compounds. I. U. I. Sannikov, V. L. Zolotarev, I. A. Bezrukov, Zhur. neorg. khim. 8 no. 4:923-933 Ap '63.

Using the paper chromatography method for the quantitative determining of sugars in pentose and hexose hydrolyzates. O. B. Kravtsovskii, D. N. Latneva, I. F. Rudomennova. *Izv. vys. ucheb. zav. pishch. tekhn.* no. 1: 149-152 '63.

HYDROPLANES

With an automatic pilot across waters. E. Moskatov. *Znanie-sila* 38 no. 1:22-23 Ja '63.

HYDROTHERAPY—EQUIPMENT AND SUPPLIES

Use of plastic pipes and steel pipes lined with plastic in piping for balneology. M. I. A. Ruzin, Sbor. trud. NIIST no. 12:64-65 '62.

HYDROXYLAMINE

Effect of the cathode material and electrolyte composition on the electrosynthesis of hydroxylamine sulfate. R. I. Agladze, R. K. Kvaratskhelia. *Khim. prom.* no. 1:40-52 Ja '63.

HYGIENE

Health hints. *Zdorov'e* 9 no. 2:30-31 F '63.
Letters to the editor. *Zdorov'e* 9 no. 2:29 F '63.

HYGIENE—BIBLIOGRAPHY see Bibliography—Hygiene

HYGIENE—CONGRESSES

International conference on the epidemiology and hygiene of populated areas (Baku, from May 20 to June 1, 1962). B. T. Medzidov, *Azerb. med. zhur.* 40 no. 1: 70-65 Ja '63.

HYGIENE, RURAL see Public health, Rural

HYPERSPACE

Laplace sequences from generalized conjugate Rose nets in n-dimensional projective space. V. V. Gol'dberg. *Dokl. AN SSSR* 149 no. 2:237-240 Mr '63.

HYPERTENSION

Block of the crux of the bundle of His in hypertension and atherosclerosis. N. B. Supataeva. *Sov. zdrav. Kir.* no. 1:3-8 Ja-F '63.
Care of hypertensive patients in industry. E. A. Chebotareva. *Trudy Kish. gos. med. inst.* 13:51-52 '60.
Therapeutic action of camphor. I. A. Molenas. *Vop. pat. krovi i krovoobr.* no. 6:216-219 '61.
Treatment and prevention of hypertensive disease. M. A. Polukhov, M. P. Ishchukova. *Trudy Kish. gos. med. inst.* 13:47-49 '60.

HYPOBROMOUS ACID

Stereochemistry of cyclic compounds. Report No. 52: Regularities in the addition of hypobromous acid to dimethyl-*cis*-*syn*-7-methoxy-1,2,3,9,10,10_a-hexahydrophenanthrene-1,2-dicarboxylate. L. K. Lysanchuk, V. M. Andreev, V. F. Kucherov. *Izv. AN SSSR, Otd. khim. nauk* no. 4:706-715 Ap '63.

HYPOTENSION

Prevention of the hypotonic state. V. S. Luk'yanov. *Zdorov'e* 9 no. 2:6-7 F '63.

HYSTERESIS

Frequency conditions for absolute stability of controllable systems with hysteresis nonlinearities. V. A. Iakubovich. *Dokl. AN SSSR* 149 no. 2:288-291 Mr '63.

IANSON-MANIZER, ELENA ALEKSANDROVNA, 1890- Ballot in sculpture. R. Minasov. *Kul't. i zhizn'* 8 no. 12: 28-29 '62.

ICE

(see also subdivision under Elbrus, Mount)

Calculating heat insulation of blocks of ice. V. K. Shechelov. *Mat. k. uch. o. merz. zon. zem. kory* no. 8:145-151 '62.

Sublimation during heat transfer in ice. V. K. Shechelov. *Mat. k. uch. o. merz. zon. zem. kory* no. 8:53-74 '62.

ICE—MANUFACTURE

Causes of the inactivation of biocin in the production of ice. O. V. Karpicheva, L. V. Sadimenkova, I. V. Khuzina. *Ryb. khoz.* 39 no. 3:49-51 '63.

ICE—TESTING

Gordenko, P. L., and others. [Laboratory equipment for measuring friction force moments in the supports of apparatus. Device for testing the impact hardness of ice in field conditions] *Laboratornaia ustanovka dlia izmereniia momentov sil treniia v oporakh priborov. Ustroistvo dlia ispytaniia udarnoi tverdosli l'da v polevykh usloviakh.* [By] Kh. N. Doment'ev. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32. No. P-58-33/6)

ICE ACCIDENTS

Vaga, M. I., and V. S. Zamalin. [Be careful on ice] *Bud' ostorozhen na l'du.* Moskva, Izd-vo DOSAAF, 1962. 27 p.

ICE-BREAKING VESSELS

Iakovlev, M. S. [Methods for determining the ability of river vessels to pass through ice] *Metodika opredeleniia ledopropodimosti rechnykh sudov.* Gor'kii, 1961. 23 p. (Gor'kiy, Politehnicheskii institut. Trudy, vol. 17, no. 1)

A Ukrainian flyer's work in the Arctic regions. I. I. Hurynov. As told to Mykhailo Linkhovets'kyi. *Ukraina* no. 2:20-21 Ja '63.

ICE-BREAKING VESSELS—TESTING

Arctic regions to order. *Sov. Soluz* no. 4:26-27 '63.

ICE CREAM, ICES, ETC.

Ways of improving the quality of ice cream. R. M. Kazakova, G. E. Olenova, N. G. Savinovskii. *Khol. tekhn.* 40 no. 1:44-47 Ja-F '63.

ICE ON RIVERS, LAKES, ETC.

(see also subdivision under Angara River; Naryn River; Siberia)

Characteristics of the heat losses of frazil ice-bearing rivers during freezing. R. V. Donchenko. *Trudy GGI* no. 93:67-74 '62.

Distribution of crystallization heat in the supercooled water mass in streams. V. A. Rymsha. *Trudy GGI* no. 93:40-51 '62.

Method of calculating (forecasting) the conditions governing the formation of frazil ice. V. A. Rymsha, R. V. Donchenko. *Trudy GGI* no. 93:52-63 '62.

ICEBOATS

Rotary iceboat. *Tekhn. mol.* 31 no. 1:38 '63.

ICELAND SPAR see subdivision under Chona Valley

ICHNEUMON FLIES see subdivision under Andizhan Province

IGNEOUS ROCKS see Rocks, Igneous

ILISHEVSKIY DISTRICT—AGRICULTURAL ADMINISTRATION

How the party committee approached the problem. A. Aminov. *Part. zhizn'* no. 6:18-23 Mr '63.

ILLUSTRATED BOOKS

In the world of rare illustrations. V. Osokin, V. mire knig 3 no. 4:46-47 Ap '63.

ILLUSTRATION OF BOOKS

Heantiko, N. L. [Book, artist, time] *Kniga, khudozhnik, vremia.* Moskva, Iskusstvo, 1962. 142 p. illus.
Work for the people. S. B. Tel'ngater. *Poligr. proizv.* no. 2:24 F '63.

ILLYRIANS

The Illyrian tribes in the period from the late first century B. C. to the late first century A. D. I. N. Sviridova. *Uch. zap. MOPI* no. 153:31-44 '60.

ILMENITE

Ilmenite and zircon placer deposit. V. D. Kozlova. *Mat. GKZ* no. 2:96-99 '61.

X-ray study of rutillated ilmenite products. E. G. Kukovskii, I. U. V. Kononov. *Rent. min. syr.* no. 1:120-127 '62.

IMAGINATION

Imagination and retention. K. V. Fedorkovich. *Dokl. APN* 6 no. 8:89-92 '62.

IMMUNITY

Cutaneous allergic test in the study of the immunological structure of rural population with respect to typhus fever. D. A. Gvozdirova. *Trudy Len. inst. epid. i mikrobiol.* 23:25-31 '61.

Effect of some microelements on the immunobiological reactivity indices of the organism. L. M. Alkhutova. *Zdrav. Turk.* 6 no. 6:3-7 N-D '62.

Epidemiology of typhus in the light of the study of the immunological structure of the population with respect to this infection. K. N. Tokarevich. *Trudy Len. inst. epid. i mikrobiol.* 23:5-14 '61.

Morphological dynamics of internal secretion in the process of immunogenesis. I. A. L. Rapport, I. I. Finkel'. *Dokl. AN SSSR* 148 no. 5:1224-1227 F '63.

Study of the immunological structure of rural population with respect to typhus fever by the use of complement fixation reaction. Kan Shu-tsin [K'ang Shu-ch'ing]. *Trudy Len. inst. epid. i mikrobiol.* 23:32-40 '61.

IMMUNOHEMATOLOGY

Factors influencing the resistance of the erythrocytes in a vascular channel. I. I. Gitel'zon, I. A. Terskov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:169-213 '61.

Immune resistance of erythrocytes. V. T. Potova, I. I. Gitel'zon, I. A. Terskov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:153-162 '61.

IMMUNOLOGY

Applicability of immunological methods to the study of deoxyribonucleic acid. V. I. A. Fel', D. I. A. Podgaetskaya, I. U. M. Olenov. *TSitologiya* 4 no. 3:359-360 My-Je '62.

IMPERIALISM

Leont'ev, L. A. [On Lenin's "Notebooks on Imperialism"; characteristics of V. I. Lenin's creative laboratory] *O Leninskikh "Tetradakh po imperia-lizmu"; k kharakteristikhe tvorcheskoi laboratorii V. I. Lenina.* Moskva, Sotsekgiz, 1962. 205 p.

IMPULSE

Impulsive desires in oligophrenias. O. E. Freierov. *Prak. subechnopsikh. ekspert.* no. 7:63-69 '62.

INCENTIVES IN INDUSTRY

"Material incentives for workers in the U. S. S. R." by F. S. Veselkov. Reviewed by R. Vinokur. *Vop. ekon.* no. 3:112-114 Mr '63.

INCOME

(see also subdivision under Europe, Eastern; United States)

Production, distribution and use of national income in the U. S. S. R. A. G. Aganbenen and others. *Nauka i zhizn'* 29 no. 12:26-27 D '62.

INCUBATION

Characteristics of the incubation of goose eggs. A. U. Bykhovets'. *Visnyk sil'hosp. nauky* 5 no. 2:78-82 F '62.

INDAZOLE

Derivatives of indazole. Part 1: Reaction of 1-benzylindazole with sodium amide. A. M. Simonov, B. K. Marisakha, F. T. Pozharskii. *Zhur. ob. khim.* 33 no. 3:1001-1005 Mr '63.

INDEX NUMBERS (ECONOMICS)

Kharlamov, A. I. [Statistical indices of the rates of economic development] *Statisticheskie pokazateli tempov ekonomicheskogo razvitiia.* Moskva, Gosstatizdat, 1962. 44 p.

INDIA—CENSUS

Several results of the 1961 population census in India. G. V. Sdasiuk. *Vest. Mosk. un. Ser. 5: Geog.* 18 no. 2: 39-43 Mr-Apr '63.

INDIA—FIRE EXTINCTION—WATER SUPPLY

Water supply for fire extinction in the industrial enterprises of India. E. Baturin. *Pozh. delo* 9 no. 2:32, 3 of cover F '63.

INDIA—PLAGUE—PREVENTIVE INOCULATION

Popovskii, M. A. [Doctor Khavkin's destiny] *Sud'ba doktora Khavkina.* Moskva, Izd-vo vostochnoi lit-ry, 1963. 130 p.

INDIA—RELATIONS (GENERAL) WITH RUSSIA

Letters from India. Kal'iani Kumaramangalam, Ramesh Vallia. *Kul't. i zhizn'* 6 no. 12:36-37 '62.

INDIA—TUNNELING

Tunneling in India. N. I. A. Vainshtein. *Transp. stroit.* 13 no. 2:55-57 F '63.

INDIAN ASTRONOMY see Astronomy, Indian

INDIANS OF MEXICO—PHILOSOPHY

"Philosophy of the Nahuas" by Miguel Leon-Portilla. Reviewed by A. Makarov. *Kul't. i zhizn'* 8 no. 12:36-39 '62.

INDICTMENTS

"Instigating a criminal lawsuit" by N. V. Zhogin, F. N. Fatkullov. Reviewed by V. Galkin. *Sots. zakon.* 39 no. 10:93-94 O '62.

INDIGIRKA VALLEY—GEOLOGY, STRUCTURAL

Transverse zoning of the In'yali synclinalorium. S. I. Gavrilov. *Nauch. soob. IAFAN SSSR* no. 2:29-34 '60.

INDIGIRKA VALLEY—SOILS

Soils of slopes with steppe characteristics in the Yana-Indigirka Upland; taiga-steppe soils in the extratropical regions of the northeastern U.S.S.R. [with summary in English]. E. M. Neumov, A. A. Andreeva. *Pochvovedenie* no. 3:62-70 Mr '63.

INDIUM

Effect of the irradiation of indium by thermal neutrons on the molecular composition of its vapor. E. G. Shvidkovskii, G. M. Martynkevich, G. V. Malharova. *Dokl. AN SSSR* 149 no. 4:816-817 Ap '63.

INDIUM ANTIMONIDES

Quantum oscillations of magnetoresistance in n-InSb in high pulsed magnetic fields. Kh. I. Amirkhanov, R. I. Bashirov, I. E. Zakiev. *Dokl. AN SSSR* 148 no. 6: 1279-1282 F '63.

INDIUM COMPOUNDS

Effect of fluorine ions on the anode solution of indium amalgam and certain regularities in electrode processes involving complexes. V. V. Losev, A. I. Molodov. *Dokl. AN SSSR* 148 no. 5:1114-1117 F '63.

INDIUM CHLORIDES

Infrared spectra of the molecular compounds of indium chlorides with nitrogen-containing organic substances. O. A. Ostrov, I. M. Semenova, Zhur. ob. khim. 33 no. 3:720-724 Mr '63.

INDONESIA—COMMUNIST PARTY

Aldit, D. N. [Selected works; articles and speeches. Translated from the Indonesian] *Izbrannye proizvedeniia; stat'i i rechi*. Moskva, Izd-vo inostr. lit-ry, 1962. 782 p.

Communist Party of Indonesia. S. Vladimirovskii. *Otv. na vop. trud.* no. 12:23-31 D '62.

INDONESIA—ECONOMIC POLICY

Arkhipov, V. Ia. [Indonesia in the struggle for economic independence] *Indoneziia v bor'bu za ekonomicheskuiu samostoiatel'nost'*. Moskva, Izd-vo vostochnoi lit-ry, 1963. 77 p.

INDONESIA—ETHNOLOGY—MAPS

Berezina, M. Ia., and S. I. Bruk. [Map of the peoples of Indonesia, Malaya and Philippines] *Karta narodov Indonezii, Malaii, i Filipin*. Moskva, Akad. nauk SSSR, 1962. 2 fol. maps.
[Population of Indonesia, Malaya and Philippines] *Naseleeniie Indonezii, Malaii i Filipin*, 1962, 92 p.

INDONESIA—POLITICS AND GOVERNMENT

Aldit, D. N. [Selected works; articles and speeches. Translated from the Indonesian] *Izbrannye proizvedeniia; stat'i i rechi*. Moskva, Izd-vo inostr. lit-ry, 1962. 782 p.

INDUCTION (ELECTRICITY)

Effect of electric quadrupole induction in electron resonance. A. R. Kessel', A. K. Morocha, Zhur. eksp. i teor. fiz. 44 no. 3:1113-1115 Mr '63.

INDUCTION HEATING

Device for the hardening of large cylindrical gears on high-frequency equipment. V. G. Samsonov. *Metallized i term. obr. met.* no. 3:58-59 Mr '63.

Iakovlev, V. A. [Induction heating with a commercial frequency current of aluminum and magnesium alloy ingots] *Induktsionnyi nagrev tokom promyshlennoi chastoty sil'kov iz aluminievyykh i magnitnykh splavov*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1959. 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3, No. M-58-44/3)

INDUSTRIAL ACCIDENTS

Organizational causes of accidents with equipment subjected to boiler inspection. N. A. Lasunov. *Bezop. truda v prom.* 7 no. 3:17-18 Mr '63.

INDUSTRIAL ARBITRATION see Arbitration, Industrial

INDUSTRIAL ARTS

Russian mechanical engineers and inventors of the beginning of the 18th century. P. I. Pluksh. *Shkola i proizv.* 6 no. 11:50-57 N '62.

INDUSTRIAL BUILDINGS

(see also subdivision under Moscow Province; White Russia)

Bearing capacity of composite continuous roof girders of multistory industrial buildings. V. K. Portianko. *Prom. stroi.* 40 [i.e. 41] no. 3:28-34 Mr '63.

Experience in the design and planning of open and semi-open type boiler houses in the canning industry. R. Ia. Kerman. *Kons. i ov. prom.* 18 no. 3:15-11 Mr '63.

More about calculating the three-dimensional work of the steel frame of a one-story industrial building. V. M. Korobov, M. B. Solodari. *Prom. stroi.* 40 [i.e. 41] no. 4:58-61 Ap '63.

Technical and economic evaluation of plans for one-story industrial buildings on a point system. V. A. Kancheli. *Prom. stroi.* 40 [i.e. 41] no. 4:29-30 Ap '63.

INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

(see also subdivision under Moscow)

Efficient organization of assembly work is a potential for lowering the cost of building one-story industrial buildings. S. A. Pichugin, K. T. Buzan'. *Izv. vys. ucheb. zav. i stroi. i arkhit.* 6 no. 1:54-59 '63.

Grouping of production and auxiliary shops in canning plants. E. I. Grinberg, I. M. Davner, K. U. Rashkovskii. *Kons. i ov. prom.* 18 no. 3:12-14 Mr '63.

Kozlov, K. Ia. [Ways to improve labor productivity in the assembly of reinforced-concrete elements of multistory industrial buildings] *Puti povysheniia proizvoditel'nosti truda na montazhe zhelezobetonnykh konstruktsii mnogoetazhnykh proizvodstvennykh zdani; iz opyta stroek Lenoavarkhoza*. Leningrad, 1962. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 25)

Structural layouts of one-story industrial buildings for construction in regions with high seismicity. E. G. Bychalskii, V. I. Budanov, A. M. Paranzin. *Prom. stroi.* 40 [i.e. 41] no. 4:24-29 Ap '63.

INDUSTRIAL BUILDINGS—MAINTENANCE AND REPAIR

Strengthening reinforced concrete elements at existing enterprises without shutting them down. N. M. Onufriev. *Prom. stroi.* 41 no. 2:49-52 F '63.

Thermal method of strengthening reinforced concrete cross bars subject to loading. I. I. Lozovoi, V. I. Bulsh. *Prom. stroi.* 40 [i.e. 41] no. 4:41-42 Ap '63.

INDUSTRIAL CAPACITY

Methods for planning the utilization of productive capacity. A. Omarov. *Plan. khoz.* 40 no. 4:47-53 Ap '63.

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL DISTRICTS

We need layouts of industrial districts and not layouts for regional planning. P. F. Shmelev. *Prom. stroi.* 40 [i.e. 41] no. 4:2-5 Ap '63.

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL EQUIPMENT

(see also subdivision under Chelyabinsk Province)

Basic indices of the efficiency of new equipment. L. G. Kuznetsova, N. M. Ure'ev. *Vest. mashinostr.* 43 no. 3: 79-82 Mr '63.

Comparative efficiency of modernization and replacement of equipment. M. A. Antimova. *Vest. mashinostr.* 43 no. 3:82-84 Mr '63.

Intrafactory price lists for tools and equipment. B. S. Lifshits and others. *Avt. prom.* 29 no. 3:1-2 Mr '63. Podolskii, I. U. Ia. [Accounting and the analysis of the work of industrial equipment] *Uchet i analiz raboty proizvodstvennogo oborudovaniia*. [Leningrad] 1962. 61 p.

Theoretical bases of the methods for determining the economic efficiency of capital investments in the new types of industrial equipment. Report No. 1. T. A. Gryzlova. *Izv. vys. ucheb. zav. i tekhn. leg. prom.* no. 1: 12-20 '63.

INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

Improving the flaw detection and reconditioning of machine parts in the machinery industry. A. I. Chernyi. *Vest. mashinostr.* 43 no. 2:78-82 F '63.

INDUSTRIAL HYGIENE

Improvement of the working conditions in factories is an important task of the representatives of the paper industry. I. A. Shishov. *Bum. prom.* 38 no. 3:28-30 Mr '63.

Safety engineering in the division. M. N. Koriakin. *Puti i put. khoz.* 7 no. 4:29-30 '63.

Ultraviolet rays for the sanitation of commercial premises. G. Kolykov. *Sov. tovg.* 36 no. 3:28-29 Mr '63.

INDUSTRIAL LAWS AND LEGISLATION

What the law on socialist enterprises should be. R. A. Frid. *Sov. gos. i pravo* 33 no. 4:104-108 Ap '63.

INDUSTRIAL MANAGEMENT

(see also subdivision under Kiev; Leningrad Province; Mogilev Province; Rostov Province; Uzbekistan)

Aid the successful fulfillment of the national economic plan in every way possible. Bukhg. uch. 20 no. 2: 1-5 F '63.

"Analysis of the administrative operations of an industrial enterprise" by D. I. Derkach. Reviewed by P. Evseev. *Bukhg. uch. 20* no. 2:75-76 F '63.

Antropov, B. F., and N. P. Trusikhin. [Improve planning in an enterprise] *Sovershenstvovat' planirovaniia na predpriatii*. Moskva, Ekonomizdat, 1962. 77 p. (Ekonomicheskoe samobrazovanie)

Business leadership in the large corporation (in English) by R. A. Gordon. Reviewed by P. Aleksandrov. *Mir, ekon. i mezhdunar. otn.* no. 3:138-142 '63.

Economic work of a bank. G. Kulesh and others. *Den. i kred.* 21 no. 3:24-30 Mr '63.

From the editor's mail. *Sots. trud* 8 no. 3:134-139 M '63.

[How we carry out the resolutions of the party congress] *Kak my vypolniaem resheniia partinogo s'ezda*. [Moskva] Mosk. rabochii, 1962. 110 p.

Improving the organization of work and increasing its productivity. *Sots. trud* 8 no. 3:3-10 Mr '63.

Indices of the utilization of capital assets and increasing their role in planning. P. Bunich. *Vop. ekon.* no. 3: 28-30 Mr '63.

Interest enterprises in raising their planned tasks. L. Zhebrak. *Den. i kred.* 21 no. 3:21-23 Mr '63.

Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshiaia partinaiia shkola. Kafedra sovetskoi ekonomiki. [Program on the economics of socialist enterprises for the evening universities of Marxism-Leninism, schools of economics, study groups and seminars of the party educational system] *Programma po ekonomike sotsialisticheskikh promyshlennykh predpriatii dlia vechernikh universitetov marksizma-leninizma, ekonomicheskikh shkol, kruzhkov i seminarov sotsialisticheskogo prosveshcheniia*. Moskva, Gospolitizdat, 1959. 29 p.

Kommunisticheskaia partiia Sovetskogo Soiuza. Vysshiaia partinaiia shkola. Kafedra sovetskoi ekonomiki. [Program on the principles of the economics of socialist industry for workers studying in elementary economics study groups and vocational instruction schools] *Programma z osnov ekonomiki sotsialisticheskoi promyshlovosti dlia robitnykh, shcho navchali'sia u pochatkovykh ekonomicheskikh hurtakhi i shkolakh vyrochnychoho navchaniia*. Kyiv, Derzhpolityvday URSSR, 1962. 15 p.

The Leninist school of administration and management. A. Blatin. *Polit. samobor.* 7 no. 2:53-59 F '63.

[Let us learn how to build communism] *Uchit'sia stroit' kommunizm*. Moskva, Ekonomizdat, 1962. 230 p.

"Material and technical equipment supply of industrial enterprises at economic councils" by N. V. Ivanov, N. S. Mafutin, A. L. Fleishman. Reviewed by V. S. Glushko. *Vest. mashinostr.* 43 no. 3:88 Mr '63.

Mathematical calculation of basic work parameters for shops manufacturing multiple articles. F. I. Paramonov. *Vest. mashinostr.* 43 no. 3:75-78 Mr '63.

More attention to economic aspects. G. V. Pankov. *Mashinostroitel'* no. 2:29 F '63.

More on "lucky scoundrels." *Ogonok* 40 no. 50:5 D '62.

The November 1962 Plenum of the Central Committee of the CPSU. *Trakt. i sovkhoz. mash.* 32 no. 12:3 D '62. Our university: Faculty of applied economics. *Tekhn. mol.* 31 no. 1:22-23 '63.

Postal service and computer technology aid industrial management. N. V. Bolkin, V. I. Zanyukin. *Vest. svyazi* 23 no. 3:7-8 Mr '63.

Rights of an enterprise and production administration. Ia. Proshko. *Sots. trud* 8 no. 3:103-105 Mr '63.

Standardization of technological processes and multiple machining in lot and small-lot production. I. N. Iechmenskii, M. E. Archevskii. *Vest. mashinostr.* 43 no. 3:48-54 Mr '63.

Summing up the results of discussions on economic problems. *Vop. ekon.* no. 3:70-70 Mr '63.

Toward specialization. *Mashinostroitel'* no. 2:1 F '63.

Voluntary economist should have an honorary position in industry. B. Roiz. *NTO* 5 no. 4:15-16 Ap '63.

What was discussed at the conference of economists and voluntary workers in Sverdlovsk. M. P. Kopelovich. *Mashinostroitel'* no. 2:37 F '63.

INDUSTRIAL MICROBIOLOGY

"Enzymes in industry" by A. S. Syrovich. Reviewed by A. A. Imshenetskii. *Mikrobiologiya* 31 no. 6:1129-1130 N-D '62.

INDUSTRIAL ORGANIZATION

(see also subdivision under Lvov Province; Moldavia)

The Acme. Dmytro Pryluk. *Ukraina* no. 2:2-3 Ja '63.

Combining the sugar and distilling industries and developing facilities for the production of dry feed yeasts. I. I. Aref'ev, V. G. Pykhov. *Spir. prom.* 20 no. 2:27-28 '63.

Decisions of the plenary session of the Central Committee of the CPSU in November 1962 and the development of production relations. A. S. Mekhov. *Vop. filoz.* 17 no. 3:28-36 '63.

Organization of production combines of the Shoe and Leather Industry Administration of the Moscow City Economic Council. P. I. Levenko. *Kozh. obuv. prom.* 5 no. 3:4-8 Mr '63.

Polianskii, V. G. [New developments in the organization of industrial production in enterprises] *Novos y organizatsii promyshlennogo proizvodstva na predpriatii*. Moskva, Ekonomizdat, 1962. 156 p.

Production concentration and the optimum size of an enterprise. N. Sachko. *Vop. ekon.* no. 2:142-148 F '63.

V. I. Lenin on the participation of the masses in economic development. V. Filatov. *Sov. polreb. koop.* 7 no. 4:1-4 Ap '63.

INDUSTRIAL PLANTS

(see also subdivision under Kuznetsk Basin; Novokuznetsk)

Contributions of the experience of building metallurgical enterprises to chemical construction projects. V. Terent'ev. Prom. stroi. i inzh. soob. 4 no. 1:1-3 Ja-F '63.

Industrial construction in 1963. R. M. Krylov. Prom. stroi. 41 no. 2:2-3 F '63.

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Communism and production aesthetics. S. Strumilin. Vop. ekon. no. 2:71-81 F '63.

[Construction of industrial kilns, furnaces and smokestacks of heat-resistant concrete] Stroitel'stvo promyshlennykh pechey i trub iz zharostoykogo betona. [By] V. I. Bel'skii, E. S. Vasil'ev i P. I. Tol'kachev. Moskva, Gosstroizdat, 1962. 267 p.

Problems of designing general plans and intrafactory transportation at machinery plants. V. S. Kononov, I. I. Popov. Prom. stroi. 40 [i.e. 41] no. 3:10-16 Mr '63.

Regulate the drafting of general plans for industrial enterprises. V. N. Agte. Prom. stroi. 41 no. 2:60-61 F '63.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt. 2. Sec. G, ch. 6. [Sewage standards for design (SNIP II-G, 6-62)] Kanalizatsiia normy proektirovaniia (SNIP II-G, 6-62) 1962. 72 p.

Pt. 2. Sec. G, ch. 6. [General plans of industrial enterprises; standards for design (SNIP II-M, 1-62) 1962] General'nye plany promyshlennykh predpriatii; normy proektirovaniia (SNIP II-M, 1-62) 1962. 64 p.

Technological aesthetics and improving production conditions. I. Trakhtenberg. Sots. trud 8 no. 3:87-91 Mr '63.

INDUSTRIAL PROCUREMENT

(see also subdivision under Germany, East)

Improve the system of sales organizations. I. Ushakov. Plan. khoz. 40 no. 4:79-80 Ap '63.

INDUSTRIAL PROCUREMENT—AUDITING AND INSPECTION

Olesuk, D. I., and G. P. Ivanov. [Special features of the work analysis of supply and sale organizations] Osobennosti analiza raboty snabzhenchesko-sbytovykh organizatsii. Moskva, Gosizdat, 1962. 85 p. (V pomosh' finansovomu rabotniku)

INDUSTRIAL RAILROADS see Railroads, Industrial

INDUSTRIAL RECREATION

By the interests of the group. N. Dokuchaev. Klub 12 no. 12:16 D '62.

Pages of the past. V. Sukhanov. Klub 12 no. 12:24-25 D '62.

INDUSTRIAL RELATIONS

"Kind" dislike. V. Ocheretin. Ogonek 40 no. 20:8-9 My '62.

Skl'mish, Mikhail Zlatorogov. Ogonek 40 no. 50:9-10 D '62.

INDUSTRIAL RESEARCH see Research, Industrial

INDUSTRIAL SAFETY

Consultations. Bezop. truda v prom. 7 no. 3:35 Mr '63.

Readers' letters. Bezop. truda v prom. 7 no. 3:34 Mr '63.

INDUSTRIAL SCHOOLS see Reformatories

INDUSTRIAL STATISTICS

Industrial production of capitalist countries. N. Rydvanov. Mir. ekon. i mezhdunar. otn. no. 3:154-157 '63.

Podolskii, I. A. [Accounting and the analysis of the work of industrial equipment] Uchet i analiz raboty proizvodstvennogo oborudovaniia. [Leningrad] 1962. 61 p.

INDUSTRIAL WASTES

Technical and economic investigation into the boiling down and burning of the distilling wash concentrate of molasses in distilleries. V. N. Rybachuk. Izv. vys. ucheb. zav. i spishch. tekhn. no. 1:7-12 '63.

INDUSTRY

Belen'kii, N. G., and L. B. Polonskaia. [Alpha-chymotrypsin: the composition, properties and manufacture of the preparation] Alfa-khimotripsin; sostav, svoystva, primeneniie i proizvodstvo preparata. Moskva, Vses. nauchno-issl. in-t miasnoi promyshl., 1962. 88 p. [MICROFILM]

INDUSTRY—ABSTRACTS

[Economics of Industry] Ref. sbor.: Ekon. prom. no. 4 Ap '63.

INEQUALITIES (MATHEMATICS)

Asymptotic inequalities applicable to certain thermodynamic functions. T. V. Morozova. Ukr. mat. zhur. 15 no. 1:71-76 '63.

INFANTS—CARE AND HYGIENE

After birth. I. Strulanskii. Rabotnitsa no. 1:26-27 Ja '63.

Our experience in the care of infants during their first year. A. I. A. Razhenova. Zdrav. Turk. 7 no. 1:38-40 Ja '63.

When the useful becomes harmful. B. I. Ivanovskaia. Zdorov'e 0 no. 2:22 F '63.

INFANTS (PREMATURE)

Use of placental blood for prematurely born infants. T. M. Chursina-Orlygina. Zdrav. Turk. 2 no. 6:23-28 N-D '58.

INFECTION, FOCAL

Focal infections, rheumatic carditis and tonsillitis. V. A. Val'dman. Vop. pat. krovi i krovoobr. no. 6:3-21 '61.

Thermoregulation disorders in rheumatic fever and focal infections. R. S. Ivanov. Vop. pat. krovi i krovoobr. no. 6:113-121 '61.

INFLAMMABILITY

Ignition of methane mixtures by shock waves. A. A. Borisov, S. M. Kogarko, A. V. Liubimov. Dokl. AN SSSR 149 no. 4:868-871 Ap '63.

INFLAMMABLE MATERIALS—LAW AND LEGISLATION

Erant fibers. M. Godzhello, Z. Korshak, N. Nikitina. Posh. delo 9 no. 2:9-10 F '63.

INFLUENZA

Influenza and influenza-like diseases of swine [with summaries in English, German, and French]. V. N. Siurin, D. P. Osidze, I. V. Panteleev. Vest. sel'khoz. nauk 7 no. 12:58-62 D '62.

INFORMATION SERVICES

Tenth anniversary of the All-Union Institute of Scientific and Technical Information. V. A. Polushkin. Vest. AN SSSR 33 no. 3:127-128 Mr '63.

INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Birskhein, M. M., and M. M. Nelmark. [Mechanized system of mass documentation for enterprises (Soviet and foreign practices)] Mekhanizirovannoe sostavleniie massovoi dokumentatsii na predpriatiiakh (sovetskii i zarubezhnyi opyt); obzor. Leningrad, 1962. III p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seria: Organizatsiia i ekonomika proizvodstva)

Capacitor charge error in analog memory circuits. L. S. Gorn, B. I. Khazanov. Radiotekh. i elektron. 6 no. 3: 527-530 Mr '63.

Universal code of science. A. Kondratov. Znan. -sila 38 no. 2:17-22 F '63.

Use of tunnel diodes in high-speed information storage systems. B. N. Kononov, A. A. Orlikovskii. Izv. vys. ucheb. zav.; radiotekh. 6 no. 1:33-44 Ja-F '63.

INFORMATION THEORY

Amplitude-phase method for suppressing impulse interference in radio telegraphy reception. D. V. Ageev, V. F. Riabkov. Izv. vys. ucheb. zav.; radiotekh. 6 no. 1: 50-63 Ja-F '63.

Analysis of nonlinear systems. S. K. Savin. Radiotekhnika 18 no. 3:23-29 Mr '63.

Concerning a certain method for increasing the interference rejection of telephone communication. S. P. Baronin. Radiotekhnika 18 no. 3:30-36 Mr '63.

Concerning some definitions and classifications of codes. V. A. Stulov. Avtomatika 5 no. 1:63-66 '63.

Continuous planning of regression experiments. Part I [with summary in English]. S. N. Sokolov. Teor. veroiat. i ee prim. 6 no. 1:95-101 '63.

Experimental study of the overshoot of decompensated envelope of quasiharmonic noise. V. T. Gorainov. Radiotekhnika 18 no. 3:3-9 Mr '63.

Information conditions for the invariance of linear systems of automatic control. I. D. Kochubevskii, G. M. Ulanov. Dokl. AN SSSR 148 no. 6:1268-1270 F '63.

Rybakov, B. V. [Electronic device for measuring phase-shifted code impulses] Elektronnoe ustroistvo dlia sravneniia kodovykh impul'sov, sdvynutykh po fazo. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1967. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40. No. F-57-6/1)

Statistical characteristics of the logarithm of the envelope of a random process. L. E. Kopilovich. Radiotekh. i elektron. 8 no. 3:404-407 Mr '63.

Unified methods for transmitting information through discrete channels without memory and communications with independent components. R. L. Dobrushin. Dokl. AN SSSR 148 no. 6:1245-1248 F '63.

INFRARED DRYING APPARATUS

Studying the process of rye malt drying by means of infrared rays. E. A. Isakova. Izv. vys. ucheb. zav.; spishch. tekhn. no. 1:42-44 '63.

INFRARED PHOTOGRAPHY see Photography, Infrared

INFRARED SPECTRUM see Spectrum, Infrared

INFUSORIA

Character of the effect of the irradiated soil infusorian Colpoda maupasii on Azotobacter chroococcum. M. Mavlianova. Vop. biol. i krav. med. no. 3:5-8 '62.

INGOT MOLDS

Making ingot molds on conveyors. B. I. Vasil'ev, I. U. A. Lebedev. Lit. proizv. no. 2:40-41 F '63.

INHERITANCE AND SUCCESSION

From the practice of notarial agencies. Sov. iust. no. 6: 31-32 Mr '63.

INHIBITION

Noncontact method of causing sleep inhibition (pulsating hypnogenic stimulant). A. S. Putlin, L. I. Rabichev, L. P. Kernitskii. Trudy Kish. gos. med. inst. 13:23-26 '60.

INHIBITION (CHEMISTRY)

Kinetic characteristics of the activity suppression in enzymes of the succinic oxidase system by the inhibitors of radical processes. I. I. Pelevina and others. Dokl. AN SSSR 148 no. 6:1408-1411 F '63.

Sensibilization of tumoral cells to the action of ionizing radiation caused by the inhibitors of radical reactions. G. G. Afanas'ev, L. P. Lipshina, I. I. Pelevina. Dokl. AN SSSR 148 no. 5:1189-1201 F '63.

INJECTIONS, INTRAVENOUS

Intravenous drip infusion of novocaine, streptanin, erysimine, and kendoride. V. M. Labutin. Vop. pat. krovi i krovoobr. no. 6:205-210 '61.

INLAND NAVIGATION

Causes for the breakdown of river craft. N. V. Chetyrkin. Inform. sbor. TSNIMF no. 75. Tekh. eksp. mor. flota no. 14:40-65 '62.

Iakovlev, M. S. [Methods for determining the ability of river vessels to pass through ice] Metodika opredeleniia ledoprophodimosti rechnykh sudov. Gor'kii, 1961. 23 p. (Gor'kii, Politekhicheskii institut. Trudy, vol. 17, no. 1)

P'latots'kii, V. V. [Vessels of simplified shape for restricted channels] Sudna sprosichenykh form dlia omezenogo farvatera. Kyiv, Vyd-vo AN URSSR, 1962. 60 p.

INLAND WATER TRANSPORTATION see subdivision under Russia, Northwestern; Volga Valley

INLAND WATER TRANSPORTATION—ACCOUNTING

Evaluation of labor productivity in inland water transportation [with summary in English]. A. A. Vetrov. Vest. LGU 18 no. 5:140-142 '63.

INOCULATION OF SOILS see Soil inoculation

INPUT-OUTPUT ANALYSIS see Linear Programming

INSANITY—JURISPRUDENCE

Competence of patients with traumatic brain lesions. E. M. Kholodkovskaya. Probl. sud. psikh. 11:110-120 '61.

INSCRIPTIONS see subdivision under Moscow region

INSCRIPTIONS, GREEK see subdivision under

Cimmerian Daporus (Kingdom); Crimea

INSECT POPULATIONS

Hybrid sterility as a limiting factor in the distribution of allopatric species. V. A. Zaslavskii. Dokl. AN SSSR 149 no. 2:470-471 Mr '63.

INSECTICIDES

Chemistry that kills. I. Titova. Znan. -sila 38 no. 2: 4-6 F '63.

"Cido" means "I kill." N. N. Mel'nikov. Izobr. i rais. no. 1:16-18 '63.

Korotkikh, G. I. [Aerosols in agriculture] Aerosoli v sel'skom khoziaistvo. Moskva, Vystavka dostizhenii narodnogo khoz., 1962. 11 p.

[DNAL MICROFILM]

INSECTS—DEVELOPMENT

Decrease in the number of stages in the larval and nymphal phases in the evolutionary process of Coccinella (Insecta, Homoptera). N. S. Borkhsenius. Dokl. AN SSSR 149 no. 2:466-469 Mr '63.

INSECTS—JUVENILE LITERATURE

"My butterfly hunt" by Eugene Le Moule. Reviewed by V. Elagin. Vokrug sveta no. 3:63 Mr '63.

INSECTS—PHYSIOLOGY

Karyosphere in the oogenesis of a darkling beetle. M. N. Gruzova. TSitologiya 4 no. 3:335-338 My-Je '62.

INSECTS, INJURIOUS AND BENEFICIAL

Korotkova, G. E. [Effect of birds on the abundance of injurious insects; based on studies in wooded-steppe oak forests] Vliianie ptits na chislennost' vrednykh nasekomykh; po issledovaniiam v lesostepnykh dubravakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 124 p. (DNAL)

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

see subdivision under Curacao Island

- INSECTS AS CARRIERS OF DISEASE**
Petrishcheva, P. A., ed. [Carriers of pathogens of natural focus diseases] *Perenoschiki vzbuditelei prirodnoochagovykh boleznei.* Moskva, Medgiz, 1962, 341 p.
 (DNLM)
- INSECTS AS CARRIERS OF PLANT DISEASES**
 Role of bark beetles in the development of nidi of the Dutch elm disease. T. M. Gur'lanova. *Trudy Khop.* gos. zap. no. 4:105-121 '61.
- INSTRUMENT INDUSTRY** see subdivision under *Ukraine*
- INSTRUMENT INDUSTRY—PRODUCTION STANDARDS**
 "Work organization and establishing technical standards for assembly and installation work in instrument manufacturing enterprises" by M. S. Pavlov. Reviewed by A. Denidiuk. *Sots. trud* 8 no. 3:144-148 Mr '63.
- INSTRUMENT MANUFACTURE**
 Using offset printing for manufacturing scales and other parts of instruments. V. V. Makarevich. *Avtom. i prib.* no. 1:63-66 Ja-Mr '63.
- INSTRUMENTS**
 [EKA; encyclopedia of measurements, control and automation] *EKA; entsiklopediya izmerenii kontrola i avtomatizatsii.* Moskva, Gosenergoizdat, No. 1, 1962, 243 p.
- INSTRUMENTS, ELECTRONIC** see *Electronic instruments*
- INSULATING OILS**
 Transformer oil in 110 kv. MV entrances and electric transformers. T. P. Musatov, G. N. Selezneva. *Energetik* 11 no. 4:23-24 Ap '63.
 Use of transformer oil with antioxidants. N. E. Antonov, T. P. Prudnikova. *Energetik* 11 no. 4:20-22 Ap '63.
- INSULATION (HEAT)**
 Calculating heat insulation of blocks of ice. V. K. Shche-
 lokov. *Mat. k ucheb. o merz. zon. zem. kory* no. 8:145-151 '62.
 Calculation of the insulation of pillars built in refrigeration holds. I. U. F. Nesterov, Ryb. khoz. 39 no. 3:31-37 '63.
 Heat insulating shells of expanded perlite. N. V. Kandlar, A. G. Kamenskii. *Lit. proizv.* no. 1:4-5 Ja '63.
 Study of the strength of three-ply bearing wall slabs with heat insulation made of foamed keralt and foamed glass. S. A. Kagan. *Sbor. trud. NIIZhlezebetona* no. 5:182-191 '61.
- INSURANCE**
Batygin, K. S., M. I. Lirisman, and I. M. Treilov.
 [State insurance allowances; commentary on the legislation in effect] *Posoblia po gosudarstvennomu strakhovaniu; kommentarii k deistvuiushchemu zakonodatel'stvu.* 2., dop. izd. [Moskva] Profizdat, 1962, 320 p.
- INSURANCE, SOCIAL** see subdivision under *Vietnam, North*
- INTAKES (HYDRAULIC ENGINEERING)**
 Some recommendations on the control of ground ice and sludge ice at intakes in Siberia. N. S. Makarov. *Izv. vys. ucheb. zav. stroi. i arkhit.* 6 no. 1:89-101 '63.
- INTEGRAL EQUATIONS**
 An integral Fredholm equation with a kernel depending on the difference between arguments. M. P. Ganin. *Izv. vys. ucheb. zav. mat.* no. 2:31-43 '63.
 Method of approximate solution of systems of nonlinear integral equations with fixed limits [with summary in French]. I. U. D. Sokolov. *Ukr. mat. zhur.* 15 no. 1:58-70 '63.
- INTEGRALS, GENERALIZED**
 Reducing Hellinger's operator integral to a Lebesgue integral. I. U. L. Shmul'yan. *Izv. vys. ucheb. zav. mat.* no. 2:164-175 '63.
 Some properties of the Cesaro-Perron integral. V. A. Skvortsov. *Mat. sbor.* 60 no. 3:304-324 Mr '63.
 Study of a singular integral. E. I. Sokolov, A. S. Holotin. *Izv. vys. ucheb. zav. mat.* no. 2:108-110 '63.
- INTEGRALS, MULTIPLE**
Aleksashkin, A. V. [Application of double integrals] *Prilozhenie dvoynogo integrala. Lektsia vtorala.* Pod red. F. A. Bakhshilana. Moskva, Gos. izd-vo "Vysshata shkola," 1960, 28 p.
 (MICROFILM)
- INTEGRATORS**
Sementovskii, I. U. V. [Universal rotor-integrator for the quantitative geometrical analysis of rocks and materials] *Universal'nyi rotor-integrator dlia kolichestvennogo geometricheskogo analiza gornykh porod i materialov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 8 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33, No. P-58-139/7)
- INTEGRODIFFERENTIAL EQUATIONS**
 Numerical solution to the Cauchy problem for a class of linear integrodifferential equations of the Volterra type. T. I. Nazarenko. *Sib. mat. zhur.* 4 no. 2:303-308 Mr-Apr '63.
- INTELLIGENCE SERVICE** see subdivision under *United States*
- INTEREST (PSYCHOLOGY)**
Akademiia pedagogicheskikh nauk RSFSR, Moscow.
Institut psikhologii. [Abilities and interests] *Sposobnosti i interesy.* Pod red. N. S. Levitova i V. A. Krutetskogo. Moskva, Izd-vo APN RSFSR, 1962, 305 p.
- INTERFEROMETER**
 A Fabry-Perot interferometer for demonstrations. B. Sh. Perkal'skii, V. L. Larin. *Usp. fiz. nauk* 79 no. 4:743-745 Ap '63.
Fastovskii, I. A., and I. M. Furmanov. [Specialized radio interference measuring devices] *Spetsial'nye izmeriteli radiopomekh.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 45 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 30, No. P-58-21/6)
Fastovskii, I. A. [AP-28 interference analyzer] *Analizator pomekh AP-28.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 30, No. P-58-101/14)
Utlamshev, R. I. [GP-200 system for determining the interference rejection of radio apparatus] *Ustanovka GP-200 dlia opredeleniia pomekhostoichivosti radio-tekhnicheskikh ustroystv.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 30, No. P-58-24/7)
- INTERLUDES, UKRAINIAN**
 "Ukrainian interludes of the 17th and 18th centuries; monuments of old Ukrainian literature." Reviewed by I. E. M. Markov's'kyi. *Rad. lit.* 7 no. 1:143-145 Ja-F '63.
- INTERNAL CONVERSION (NUCLEAR PHYSICS)**
 Polarization of internal conversion particles following β -decay. S. M. Darbinian. *Izv. AN Arm. SSR. Ser. fiz.-mat. nauk* 10 no. 1:105-110 '63.
- INTERNAL FIXATION IN FRACTURES**
 Metallic osteosynthesis in treatment of fractures of long tubular bones. G. V. Rostovskii. *Zdrav. Turk.* 7 no. 1:14-16 Ja '63.
- INTERNAL MEDICINE** see *Medicine, Internal*
- THE INTERNATIONAL**
 The Basel Congress of the Second International. T. M. Islamov. *Vop. ist.* 38 no. 3:188-189 Mr '63.
- INTERNATIONAL AGENCIES**
 In international economic organizations. *Mir. ekon. i mezhdunar. otn.* no. 3:117-118 '63.
- INTERNATIONAL COMPETITION** see *Competition, International*
- INTERNATIONAL EDUCATION**
 International education of students. A. V. Kulikov. *Sov. pedagog.* 27 no. 3:97-102 Mr '63.
- INTERNATIONAL FEDERATION OF CHRISTIAN TRADE UNIONS**
 A stop forced by the laboring classes. M. I. A. Domatch. *Nov. i noveish. ist.* no. 2:176-177 '63.
- INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958**
 "Our unknown planet" by B. I. Silkin, V. A. Troitskaia, N. V. Shebalin. Reviewed by A. Podol'skii. *Vokrug sveta* no. 3:62-63 Mr '63.
- INTERNATIONAL LAW**
 Blockade and present-day international law. A. I. Kolodkin. *Sov. gos. i pravo* 33 no. 4:92-103 Ap '63.
- INTERNATIONAL RELATIONS**
 An old and futile demand. E. A. Korovin. *Mezhdunar. zhizn'* 10 no. 4:130-132 Ap '63.
 "Social and economic structures and peaceful coexistence [in Bulgarian] by Sava Ganovski. Reviewed by G. Deini-chenko. *Mezhdunar. zhizn'* 10 no. 4:135-137 Ap '63.
- INTERNATIONAL RELATIONS—BIBLIOGRAPHY** see *Bibliography—International relations*
- INTERNATIONALISM**
 Club of international friendship. A. Zhamaletdinov. *Komsom. zhizn'* no. 13:25-26 Ji '62.
 Internationalism and the moral development of the individual [with summary in English, p. 184]. M. A. Sverdlin, P. M. Rogachev. *Vop. filos.* 17 no. 3:76-86 '63.
- INTERPERSONAL RELATIONS**
 If you know them better.... N. Khrabrova, A. Uzlian. *Ogonek* 41 no. 5:12-13 Ja '63.
- INTERPOLATION**
 Convergence of certain interpolation series. M. M. Dragilev, O. P. Chukhlova. *Sib. mat. zhur.* 4 no. 2:287-294 Mr-Apr '63.
- Determining the class of convergence of an interpolation series for Abel-Goncharov's and Gelfond's problems. M. I. Shabunin. *Dokl. AN SSSR* 149 no. 2:272-275 Mr '63.
 Interpolation theorems for L_p spaces with $p < 1$. I. I. Pustyl'nik. *Sib. mat. zhur.* 4 no. 2:318-324 Mr-Apr '63.
 Scale of spaces with interpolation property. E. M. Semenov. *Dokl. AN SSSR* 148 no. 5:1038-1041 P '63.
- INTERSTELLAR GASES** see *Gases, Interstellar*
- INTESTINES—DISEASES**
 (see also subdivision under *Turkmenistan*)
 Treatment of coli-enteritis patients. V. D. Zhit'ar'. *Trudy Kish. gos. med. inst.* 13:98-104 '60.
- INTESTINES—OBSTRUCTIONS**
 Case of intestinal obstruction due to Meckel's diverticulum. V. N. Silchenko. *Zdrav. Turk.* 2 no. 0:38 N-10 '58.
- INTOXICANTS** see *Simulants*
- INTUITION**
 "Intuition and science" [in English] by M. Hunge. Reviewed by V. S. Shvyr'ev. *Vop. filos.* 17 no. 3:170-173 '63.
- INVARIANTS**
 Invariants and standard representations of quadrics in quasi-elliptic spaces. S. L. Pavzner. *Dokl. AN SSSR* 149 no. 4:773-775 Ap '63.
- INVENTIONS**
 Realization of a design. A. Voldin. *V mire kul'* no. 2:19 F '63.
- INVENTORIES**
 Inventories. L. F. Nikovskii, N. Usporev. *Sov. tog.* 36 no. 3:33-34 Mr '63.
- INVENTORS**
 Russian mechanical engineers and inventors of the beginning of the 18th century. P. I. Plukh, *Sib. gos. i proizv.* 8 no. 11:50-57 N '62.
 The word "inventor" should sound proudly. *Tekhn. mol.* 31 no. 1:20 '63.
- INVERTEBRATES**
 Device for studying the effect of flow on aquatic invertebrates. L. A. Lufanova. *Russk. zhurn. biol. i meditsiny.* no. 12:62-64 '62.
- INVERTEBRATES—EMBRYOLOGY** see *Embryology—Invertebrates*
- INVESTMENTS, BRITISH** see subdivision under *Nigeria*
- INVESTMENTS, FOREIGN** see subdivision under *Turkey*
- INVESTMENTS, WEST GERMAN** see subdivision under *Africa*
- IODINE**
 Effect of iodine on the electric properties of products formed by a radiation-thermal modification of polyethylene. A. V. Vannikov, N. A. Bakh. *Dokl. AN SSSR* 149 no. 2:357-359 Mr '63.
 Relative role of kinetic factors in the dynamics of iodine adsorption from aqueous solutions of halides. I. M. Stolanovskii, I. E. Ampilogov. *Zhur. prikl. khim.* 36 no. 2:287-294 F '63.
- IODONIUM COMPOUNDS—ABSORPTION SPECTRA**
 Long-wave infrared spectra (400-2000 cm^{-1}) of diphenyl iodonium salts. L. M. Epshtein, N. A. Iaroslavskii. *Dokl. AN SSSR* 149 no. 4:805-808 Ap '63.
- ION EXCHANGE**
 Comparative kinetic characteristics of the K⁺-I⁻, NH₄⁺-I⁻, SM-12, and SHS cation exchangers. G. M. Panfiliukov, V. I. Gorshkov, V. I. Slovetkii. *Kin. i kat.* 4 no. 1:81-87 Ja-F '63.
 Complex formation of lanthanum with gluconic acid by the ion exchange method. N. A. Kostromina. *Zhur. teorg. khim.* 7 no. 7:1650-1664 Ji '62.
 Electromotive force of galvanic cells with ion exchange membranes [with summary in English]. O. K. Stefanova and others. *Vest. LGU* 18 no. 4:93-98 '63.
 New concepts of the ion exchange theory of glass electrodes. Part 1. [with summary in English]. B. I. Nikol'skii, M. M. Shmits. *Vest. LGU* 18 no. 4:93-98 '63.
 New concepts of the ion exchange theory of glass electrodes. Part 2 [with summary in English]. B. I. Nikol'skii, M. M. Shmits, A. A. Belustina. *Vest. LGU* 18 no. 4:98-103 '63.
 Rapid determination of palladium after its separation from base metals by the ion exchange method [with summary in English]. R. L. Shchekochikhina, R. K. Motorkina. *Zhur. anal. khim.* 17 no. 5:804-808 Ag '62.
 Separation of zirconium from titanium and other elements by ion exchange chromatography [with summary in English]. B. I. Nabivanets. *Zhur. anal. khim.* 17 no. 5:885-889 Ag '62.

ION EXCHANGE RESINS

Alkylation of phenol with butadiene on the KU-2 cation exchange resin. V. I. Isagulyants, V. P. Evstaf'ev. Zhur. ob. khim. 33 no. 3:1042-1043 Mr '63.

Gelt's, V. E. [Plastic materials and ion exchange resins their production and industrial applications; general concept of polymeric materials and their classification. Lecture No. 1 (introduction)] Plasticheskie massy i ionoobmennye smoly, ikh proizvodstvo i primeneniye v promyshlennosti; obshcheye ponimaniye o polimernykh materialakh i ikh klassifikatsiya. Lekttsiya No. 1. (vvedeniye). Kiev, 1962, 38 p. (Kievskii dom nauchno-tekhnicheskoi propagandy, Zauchnyi seminar) [MICROFILM]

Relation between the mechanical properties of sulfocation exchanger grains and the establishment of pseudoequilibrium states during the sorption of organic ions on these grains. G. S. Libinson, E. M. Savitskaya. Dokl. AN SSSR 148 no. 6:1343-1345 F '63.

Sorption of hydrolyzed ions of the elements of the groups V and VI by cation-exchanging resins. A. I. Zhukov, V. N. Gareev, V. M. Markova. Zhur. neorg. khim. 7 no. 7:1724-1729 J1 '62.

Sorption of hydrolyzed ions of the elements of the groups VII and VIII by cation-exchanging resins. A. I. Zhukov, V. N. Muzgin. Zhur. neorg. khim. 7 no. 7:1730-1735 J1 '62.

Use of anion exchangers for separating small quantities of cobalt, nickel, manganese, and copper in their determination in soils [with summary in English]. I. K. Tshitovich. Zhur. anal. khim. 17 no. 5:621-626 Ag '62.

IONIZATION

Allowing for distortion of the incident s-wave in the ionization of hydrogen atoms by electrons. V. I. Veldra, R. K. Peterkop. Opt. i spektr. 13 no. 4: 431-434 O '62.

Determination of the dissociation constants of anthrahydroquinones in nonaqueous media. M. G. Romanova, V. G. Abolina. Zhur. prikl. khim. 36 no. 2:435-440 F '63.

Disintegration of molecular ions formed by photolysis of hydrazine and some of its alkyl derivatives. M. E. Akopion, F. I. Vilesov. Kin. i kat. 4 no. 1:39-52 Ja-F '63.

Dissociation constants of some substituted cyclopropane and cyclopropenecarboxylic acids. R. R. Kontikov, I. A. D'itakov. Dokl. AN SSSR 149 no. 4:853-855 Ap '63.

Effect of the ligand field on the redox properties of transition metal compounds. K. B. Iatsimirskii. Zhur. neorg. khim. 8 no. 4:876-881 Ap '63.

Ionization loss of energy by fast electrons in thin films. A. I. Alkhanlan and others. Zhur. eksp. i teor. fiz. 44 no. 3:1122-1124 Mr '63.

IONOSPHERE—OBSERVATIONS

Akademiya nauk SSSR. Institut zemnogo magnetizma, ionosfery i raspriyraneniya radiovoln. Irkutsk. Moskva. (Iis: Materialy ionosfernykh issledovaniy) Jan.-Feb. 1959, 1962, 63 p.
Mar.-Apr. 1959, 1962, 50 p.
July-Aug. 1959, 1962, 67 p.
Sept.-Oct. 1959, 1962, 62 p.
Nov.-Dec. 1959, 1962, 62 p.

[MICROFILM]

IONOSPHERIC RADIO WAVE PROPAGATION

Resonant scattering of radio waves by the trails of artificial satellites. I. U. S. Sinasov, L. A. Zhizhikov. Radiotekh. i elektron. 8 no. 3:499-502 Mr '63.

IONS

Disturbance of the peace put things in order. G. Vershubskii. Znan. -sila 38 no. 2:26-27 F '63.

Electron paramagnetic resonance spectrum and spin-lattice relaxation of chromium and iron ions in zinc tungstate single crystals [with summary in English]. E. N. Ermol'ionova and others. Zhur. eksp. i teor. fiz. 44 no. 3:868-869 Mr '63.

Formation of nuclei with anomalous periods of spontaneous fission in reactions involving heavy ions [with summary in English]. S. M. Polikanov and others. Zhur. eksp. i teor. fiz. 44 no. 3:804-807 Mr '63.

New method of determining the energy and heat of solvation of individual ions. N. A. Izmailov. Dokl. AN SSSR 149 no. 4:884-887 Ap '63.

Polyhydroxy ions. K. B. Iatsimirskii. Zhur. neorg. khim. 8 no. 4:811-816 Ap '63.

IONS—SCATTERING

Elastic scattering of He³ on C¹², Na²³, Mg, and Al²⁷ nuclei in the energy range 26 to 33 Mev. [with summary in English]. V. M. Pankratov, I. N. Serikov. Zhur. eksp. i teor. fiz. 44 no. 3:887-893 Mr '63.

IPAZINE

Effect of ipazine on the content and composition of free sugars and amino acids in the cotton plant. A. F. Idiatullina. Vop. biol. i kraev. med. no. 3:127-131 '62.

IRANIAN LANGUAGES

Study of Iranian languages; coordinating conference in Moscow. A. Kerimova, L. A. Pireiko. Vest. AN SSSR 33 no. 3:136-137 Mr '63.

IRANIAN LANGUAGES—GRAMMAR, COMPARATIVE

Oranski, I. M. [Iranian languages] Iranskieazyki. Moskva, Izd-vo vostochnoi lit-ry, 1963, 201 p. (Iazyki zarubezhnogo Vostoka i Afriki)

IRAQ—POLITICS AND GOVERNMENT

Blood on the soil of Iraq. Ogonek 41 no. 9:26 F '63.

IRAQ—WHEAT—VARIETIES

Gluten of seven varieties of the wheat of the Iraq Republic. A. I. Zubaidi Adnan, E. D. Kazakov. Izv. vys. ucheb. zav.; pishch. tekhn. no. 1:13-15 '63.

IRIDIUM COMPOUNDS

Complex iridium trisulfates. S. N. Ginzburg, M. I. Iuz'ko, L. G. Sal'nikova. Zhur. neorg. khim. 8 no. 4:839-846 Ap '63.

Polymerism of nitrochloroquinoxidoxo compounds of trivalent iridium. G. S. Muravevskaya, I. I. Cherniaev, V. F. Sorokina. Zhur. neorg. khim. 8 no. 4:847-852 Ap '63.

IRKUTSK—PUBLIC HEALTH

People with restless souls. V. Mukhortov. Sov. Kras. krest 12 no. 5:12 S-O '62.

IRKUTSK BASIN—CONGLOMERATE

New data on Jurassic conglomerates in the southeastern part of the Irkutsk coal basin. S. A. Kashik. Geol. i geofiz. no. 12:101-106 '62.

IRKUTSK HYDROELECTRIC POWER STATION—FIRES AND FIRE PREVENTION

On the steps of a giant project. I. U. Nazarov. Pozh. delo 9 no. 2:4-5 F '63.

IRKUTSK PROVINCE—DOLOMITE—ANALYSIS

Composition and properties of dolomites from the Irkutsk Province. E. I. Khazanov, E. G. Safonova, I. A. Vrublevskaya. Trudy Vost.-Sib. fil. AN SSSR no. 43: 142-153 '62.

IRKUTSK PROVINCE—DOLOMITE—TESTING

Industrial testing of dolomites from deposits in the Irkutsk Province. E. I. Khazanov, E. G. Safonova. Trudy Vost.-Sib. fil. AN SSSR no. 43:154-157 '62.

IRKUTSK PROVINCE—MAPS

"Atlas of Irkutsk Province." Reviewed by A. G. Isaichenko. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:76-78 Mr-Apr '63.

IRKUTSK PROVINCE—OIL WELL DRILLING

A drilling rig in the taiga. A. S. Smirnov. Neftnik 8 no. 1:15-16 Ja '63.

IRKUTSK PROVINCE—ROCKS, IGNEOUS

Vladimirov, D. M. [Petrography of Padun and Margudol' trap intrusives] Petrografia Padunskogo i Margudol'skogo trappovykh intruzivov. Irkutsk, Irkutskoe knizhnoe izd-vo, 1962, 150 p. (Akademiya nauk SSSR, Sibirskoe otdeleniye. Vostochno-Sibirskii geologicheskii institut. Trudy, no. 10)

IRON

Separation of trivalent chromium from bivalent iron in sulfuric acid solutions. D. P. Zaslavovich, K. B. Kladnitskaya, N. D. Ivanova. Zhur. prikl. khim. 36 no. 2: 333-338 F '63.

IRON—HARDENING

Effect of thermomechanical treatment on certain properties of armco iron. I. A. Odintsov, P. V. Zubarev. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:113-118 Ja-F '63.

IRON—METALLURGY

Brk, S. D., and A. B. Partasovskii. [Ferrous metallurgy research institutes in capitalist countries] Nauchno-issledovatel'skie uchrezhdeniya chernoi metallurgii kapitalisticheskikh stran. Moskva, Tsentr. int. informatsii chernoi metallurgii, 1962, 55 p. [MICROFILM]

Third Plenum of the Scientific Technological Society for Ferrous Metallurgy. A. L. Novikov. Metallurg 8 no. 3:23 Mr '63.

IRON—TESTING

Effect of boron on yield points in alpha-iron. V. A. Gladkovskii, N. A. Karelin. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:144-146 Ja-F '63.

IRON ALLOYS

Method of beneficiation of molten welding fluxes by means of ferroalloys. S. L. Milchenko, I. V. Zhuravlev. Svar. prozv. no. 3:41-42 Mr '63.

IRON ALLOYS—ELECTRIC PROPERTIES

Depassivating action of halogen ions on iron-based alloys. I. A. M. Kolotyrlin, G. V. Golovina, G. M. Florianovich. Dokl. AN SSSR 148 no. 5:1106-1109 F '63.

IRON ALLOYS—METALLURGY

Characteristics of the graphitization of iron-carbon alloys. F. K. Tkachenko. Lit. prozv. no. 5:32-33 My '62.

IRON AND STEEL PLANTS

(see also subdivision under Chelyabinsk; Yakutia; Zlatoust)

Brief news, events, facts. Metallurg 8 no. 3:36 Mr '63.

IRON AND STEEL PLANTS—MANAGEMENT

(see also subdivision under Chelyabinsk)
Are these good practices? G. Davydenko. Metallurg 8 no. 3:26 Mr '63.

IRON AND STEEL PLANTS—WATER SUPPLY

Treatment of the recirculating water by smoke gases of the gas purification cycle. D. Krasnozhen. Metallurg 8 no. 3:6-8 Mr '63.

IRON AND STEEL WORKERS

For communist labor. E. Khrebtov, I. Trofimov. Metallurg 8 no. 4:4-5 Ap '63.

"Heroes of our times." S. Sokolov. Metallurg 8 no. 4: 34-35 Ap '63.

Pioneers of rapid steelmaking. V. Malyshev. Metallurg 8 no. 3:21-23 Mr '63.

They were the first. E. I. Degliarev, I. T. Orlov. Metallurg 8 no. 4:5-6 Ap '63.

"Wonder alloy." I. U. Smirnov. Metallurg 8 no. 4:20 Ap '63.

IRON CARBIDES

Kinetics of reactions involving the solid phase. Part 2: Hydrogenation of iron carbides. A. I. A. Rozovskii and others. Kin. i kat. 4 no. 1:97-108 Ja-F '63.

IRON CARBONYLS

High dispersion iron carbonyl powder for high frequency magnetic dielectrics [with summary in English]. A. E. Fridenberg and others. Porosh. met. 3 no. 1:33-41 Ja-F '63.

IRON CATALYSTS

Effect of lithium oxide on the properties of iron oxide catalysts. M. S. Belen'kii, T. G. Alkharov, A. N. Mamlan. Azerb. khim. zhur. no. 2:95-101 '62.

Heats of activation of the reaction of ammonia decomposition on catalysts of various chemical nature. Part 1: Iron-based catalysts. I. U. M. Artukh, M. T. Rusiv, O. A. Strelnikov. Kin. i kat. 4 no. 1:134-138 Ja-F '63.

IRON-CHROMIUM ALLOYS—ELECTROMETALLURGY

Anodic solution of ferrochromium. L. L. Rubash and others. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:100-104 Ja-F '63.

IRON COMPOUNDS

Study of the electrokinetic properties of viscose pulp in relation to iron compound solutions. S. S. Pozin, V. I. Iur'ev. Zhur. prikl. khim. 36 no. 2:385-389 F '63.

IRON FOUNDRY

Cast camshafts for the ZIL-111 engine. E. M. Shkol'nikov and others. Lit. prozv. no. 5:7-8 My '62.

Casting magnesium iron crankshafts. P. I. Sorokin and others. Lit. prozv. no. 5:8-9 My '62.

Characteristics of the crystallization of magnesium cast iron in large castings. N. I. Klocimov and others. Lit. prozv. no. 1:16-18 Ja '63.

Improving the quality of iron castings. N. M. Klement'ev. Lit. prozv. no. 6:30-40 My '62.

Procedure for making castings of malleable cast iron. P. N. Bidulia and others. Lit. prozv. no. 6:41 My '62.

Turbodrill stator and rotor disks made of magnesium cast iron. R. S. Kalinin. Lit. prozv. no. 1:36-37 Ja '63.

IRON FOUNDRY—EQUIPMENT AND SUPPLIES

Wear and consumption of chill molds in iron alloy casting. I. Chikol'. Lit. prozv. no. 2:26-33 F '63.

IRON FOUNDRY—QUALITY CONTROL

Castability as a basis for the quality control of cast iron. V. I. Asnogorodskii. Lit. prozv. no. 1:28-30 Ja '63.

IRON INDUSTRY

Alt-out effort for increased labor productivity. V. Podzerko. Metallurg 8 no. 3:1-2 Mr '63.

IRON MINES AND MINING

(see also subdivision under Maganlogorsk region)

All-Union conference on iron mining and dressing. V. G. Slastinov. Bezop. truda v prom. 7 no. 3:37-39 Mr '63.

IRON ORES

(see also subdivision under Dzheleym-Tau; Kerch Basin; Kerch Peninsula; Krivoy Rog Basin; Rozdol region)

Distribution of chlorine in rocks and minerals and its role in the formation of endogenous iron ores. D. I. Pavlov. Geol. rud. mestorozh. 5 no. 1:116-123 Ja-F '63.

IRON ORES—SAMPLING AND ESTIMATION

Quantitative estimation of the iron content of ores based on radioactive logging data. A. M. Blumontsev, I. I. Fel'dman, Razved. i prom. geofiz. no. 46:102-117 '62.

- IRON OXIDES**
Catalysis of reactions in the solid phase; the thermal decomposition of ammonium perchlorate in the presence of ferric oxide. F. Solymosi, L. Revesz. *Kin. i kat.* 4 no. 1:88-95 Ja-F '63.
- IRON PLATING**
Electrodeposition of small amounts of iron on mercury. V. G. Prikhodchenko, V. A. Skripnik, O. K. Kudra. *Zhur. prikl. khim.* 36 no. 2:344-350 F '63.
- IRON PERCHLORATES**
System $\text{Fe}(\text{ClO}_4)_3 - \text{Na}_2\text{V}_2\text{O}_7 - \text{H}_2\text{O}$. V. L. Zolotarev, I. I. Sannikov. *Zhur. neorg. khim.* 8 no. 4:969-972 Ap '63.
System $\text{Fe}(\text{ClO}_4)_3 - \text{Na}_2\text{V}_2\text{O}_7 - \text{H}_2\text{O}$. V. L. Zolotarev, I. I. Sannikov. *Zhur. neorg. khim.* 8 no. 4:973-976 Ap '63.
- IRON-TUNGSTEN ALLOYS**
Ferrotungsten recovery from waste slags with the help of electric currents. I. P. Nikitin, O. A. Esin, A. I. Sotnikov. *Izv. vys. ucheb. zav. i Chern. met.* 6 no. 2: 12-15 '63.
- IRONWORKS** see Iron and steel plants
- IRRIGATION**
(see also subdivision under Ukraine)
Esenaliev, S. M. [Measures for preventing washout within the irrigation system of a farm] *Meropriyatiya po predotvrashcheniyu razmyva vnutrikhozhaystvennoi orositel'noi seti.* Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 67 p.
(DNAL)
Kostikov, A. N. [Selected works] *Izbrannye trudy.* Moskva, Gos. Izd-vo sel'khoz. lit-ry, 1961. 2 v. (CU)
Machine for subirrigation. N. A. Korkach. *Trakt. i sel'khoz. mash.* 33 no. 1:30-31 Ja '63.
Problems facing water management construction workers in 1963. N. Ovsiannikov. *Sel'. stroi.* 17 no. 2:1-3 F '63.
Rabinovich, N. I. [Mobile pumping stations for irrigation] *Peredvizhnye nasosnye stantsii dlia orosheniya.* Moskva, Mashgiz, 1962. 115 p.
Volga water goes to the Kalmyk Steppe. I. Markosov, V. Smirnov. *Sel'. stroi.* 17 no. 2:3-4 F '63.
- IRRIGATION FARMING** see subdivision under Soviet Central Asia
- IRTYSH-KARAGANDA CANAL**
Five hundred kilometers long. . . I. S. Semenov. *Kul't. i zhizn'* 6 no. 12:16-18 '62.
- ISOBARS** see Atmospheric pressure
- ISOBUTYRIC ACID**
Using infrared spectra as a basis for determining the hydrogen bonding energy of isobutyric acid in solutions. A. L. Smolianskii. *Opt. i spektr.* 13 no. 4:475-479 O '62.
- ISOMERISM**
Isomerism of di-, tri-, and tetrapyrrolyl derivatives of a phosphonitrile chloride trimer. A. A. Kropacheva, N. M. Kashnikova. *Zhur. ob. khim.* 33 no. 3:1046-1047 Mr '63.
Proof of the configuration of cis-trans isomeric compounds $[\text{PtCl}_2(\text{NH}_3)_2\text{Cl}_2]$. A. A. Grinberg, O. N. Adrianova, I. Us' Kan [Yuan K'ang]. *Dokl. AN SSSR* 149 no. 4:842-845 Ap '63.
Syn-anti-isomerism of 3-aryl hydrazones of 6-methyl-2,3-piperidinedione. M. N. Preobrazhenskaya and others. *Dokl. AN SSSR* 149 no. 5:1058-1059 F '63.
Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 2: Infrared spectra of phenylhydrazones of some ketones. R. R. Shagidullin and others. *Izv. AN SSSR. Old. khim. nauk* no. 4:633-637 Ap '63.
- ISOMERIZATION**
Free-radical isomerization of acetone diphenylmercaptane. R. Kh. Freidlin, A. B. Terent'ev, R. Q. Petrova. *Dokl. AN SSSR* 149 no. 4:860-861 Ap '63.
- ISOMERS**
Extraction of the γ -isomer from hexachloran with coal-tar oils. G. M. Strongin, M. N. Kulikova, N. I. Prokhorova. *Zhur. prikl. khim.* 36 no. 2:465-467 F '63.
Formulas for calculating the quantity of theoretically possible isomers of dialkyl benzenes and their derivatives. B. F. Pishnamazzade. *Azerb. khim. zhur.* no. 2:41-53 '62.
- ISOPHERMETRICAL PROBLEMS** see Calculus of variations
- ISOPRENE**
Formation of cyclopentadiene in the process of preparing isoprene by the two-stage dehydrogenation of isopentane. V. M. Sobolev, N. V. Shcherbakova, V. S. Shumilin. *Zhur. prikl. khim.* 36 no. 2:428-430 F '63.
- ISOSTASY** see subdivision under Antarctic regions
- ISOTHERMS** see Atmospheric temperature
- ISOTOPE SEPARATION**
Periodicity of isotopic exchange in diatomic molecules. A. M. Rozen, A. I. Mikhailichenko. *Dokl. AN SSSR* 148 no. 5:1133-1136 F '63.
Possible reason for divergence in the results of measurements of the ratios of isotope vapor pressures at equilibrium as shown by the differential and Rayleigh methods. I. B. Amirkhanova and others. *Dokl. AN SSSR* 149 no. 2:351-352 Mr '63.
- ISOTOPES**
Determination of the isotopic composition based on the molecular emission spectra [with summary in English]. A. G. Zhiginskii, A. S. Kochemirovskii. *Vest. LGU* 18 no. 4:47-54 '63.
Determining the content of alpha emitters of like energies in isotope mixtures. L. S. Gorn, B. I. Khazarov. *Atom. energ.* 14 no. 4:408-411 Ap '63.
Equilibrium constants in isotopic exchange as dependent on the bond energy of molecules and atomic mass. A. M. Rozen, A. I. Mikhailichenko. *Dokl. AN SSSR* 149 no. 6:1354-1357 F '63.
- ISOTOPES—PHYSIOLOGICAL EFFECT**
Entry of labeled atoms into the tissues of the tooth and the parodontium. I. A. Petrovich and others. *Probl. stom.* 6:132-137 '62.
- ISOTOPIC INDICATORS** see Radioactive tracers
- ISRAEL—LABOR AND LABORING CLASSES**
The interests of the workers of Israel are incompatible with the policy of monopolies. F. Vilenska. *Vsem. prof. dvizh.* no. 3:14-16 Mr '63.
- ISSYK-KUL' REGION—PETROLOGY**
Minero-petrographic characteristics of recent alluvial-colluvial deposits in the Issyk-Kul' Basin. L. N. Vertunov, N. I. Gridnev. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 7:107-111 '62.
- ISYANGULOVO (ZIANCHURINSKIY DISTRICT)—COOPERATIVE SOCIETIES—MANAGEMENT**
The best advertisement. A. Gabitov. *Sov. potreb. koop.* 7 no. 4:35 Ap '63.
- ITALIAN LANGUAGE—DICTIONARIES—RUSSIAN**
[Italian-Russian dictionary. 55,000 words] *Ital'iansko-russkii slovar'.* Sost. N. A. Skvortsova, B. N. Malzel'. 55,000 slov. Moskva, Gos. Izd-vo inostr. i natsional'nykh slovarей, 1963. 954 p.
- ITALY—COLONIES—AFRICA** see Africa—Italian colonies
- ITALY—HISTORY**
Nemirovskii, A. I. [History of ancient Rome and Italy; origin of the class society and class state] *Istorika ranego Rima i Italii; vozniknoveniye klassovogo obshchestva i gosudarstva.* Voronezh, Izd-vo Voronezhskogo univ., 1962. 288 p.
"Southern Italy and Italian peasants; studies in modern history" by R. Villary and "The South in Italian history; collected articles on the 'southern problem'" [both in Italian]. Reviewed by I. P. Lisovskii. *Vop. ist.* 38 no. 3:178-181 Mr '63.
- ITALY—LABOR AND LABORING CLASSES**
Results of a year of the trade-union struggle in Italy. Silvano Levvero. *Vsem. prof. dvizh.* no. 1:3-9 Ja '63.
- ITALY—PEASANTRY**
"Southern Italy and Italian peasants; studies in modern history" by R. Villary and "The South in Italian history; collected articles on the 'southern problem'" [both in Italian]. Reviewed by I. P. Lisovskii. *Vop. ist.* 38 no. 3:178-181 Mr '63.
- ITALY—POLITICS AND GOVERNMENT**
Right turn instead of "left shift"?; the situation in Italy on the eve of the elections. Irina Trofimova. *Nov. vrem.* 20 no. 16:10-21 Ap '63.
- ITALY—TRADE UNIONS**
Results of a year of the trade-union struggle in Italy. Silvano Levvero. *Vsem. prof. dvizh.* no. 1:3-9 Ja '63.
- ITALY—WORLD WAR, 1939-1945**
"Mussolini's parallel war in 1940" [in German] by E. von Rintelen. Reviewed by V. M. Gihlensen. *Vop. ist.* 38 no. 3:195-197 Mr '63.
- IVANO-FRANKOVSK PROVINCE—JEHOVAH'S WITNESSES**
"Life convinces." Reviewed by V. Vynogradskiy. *Volov. ateist* 3 no. 3:58-59 Mr '63.
- IVANOV-KIUNDE, A. A., d. 1934**
Unpublished manuscripts of Kiunde discovered in archives. V. A. Semenov. *Nauch. soob. IAF AN SSSR* no. 6:75-81 '61.
- IVANOVO—PIONEERS (COMMUNIST YOUTH)**
Let's meet at eight at the monument. . . Valerii Boltromeluk. *Komsom. zhizn'* no. 3:20-23 F '63.
- IVANOVO PROVINCE—LIBRARIES**
Hidden possibilities are brought to light. *Klub* 12 no. 9: 23-25 S '62.
- IVANOVO PROVINCE—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS**
Innovators in the textile industry. V. Kokurin. *NTS* 3 no. 2:39-42 F '63.
- IVASK, UDO GEORGIEVICH, 1878-1922**
Udo Ivask, artist and historian of the bookplate. *Sov. knizh. torg.* 14 no. 3:28 Mr '63.
- JAGUARS** see subdivision under Ecuador
- JAKUT LANGUAGE** see Yakut language
- JAPAN—COMMERCE—RUSSIA**
Green light for trade. N. S. Patolichev. *Sov. Sotuz. rel. i* 46 '62.
- JAPAN—COMMERCIAL POLICY**
Japan and the "Common Market." I. U. Kuznetsov. *Mir. ekon. i mezhdunar. otn.* no. 3:91-100 '63.
- JAPAN—COOPERATIVE SOCIETIES**
A visit to the Japanese cooperators. N. Sidorov. *Sov. potreb. koop.* 7 no. 4:55-58 Ap '63.
- JAPAN—ECONOMIC CONDITIONS**
Story on the "miracle of the East." A. Mamorov. *Ogonek* 41 no. 2:12-13 Ja '63.
- JAPAN—FOREIGN RELATIONS**
Harakiri diplomacy. A. Leonidov. *Nov. vrem.* 23 no. 14:10-14 Ap '63.
- JAPAN—FOREIGN RELATIONS—RUSSIA**
" Russo-Japanese contacts from 1897 to 1875" by E. I. A. Fainberg. Reviewed by A. I. Stadnichenko. *Vop. ist.* 38 no. 3:131-132 Mr '63.
- JAPAN—FOREIGN RELATIONS—UNITED STATES**
The aggressive alliance in the Far East. B. Fozgarev. *Mezhdunar. zhizn'* 10 no. 4:41-40 Ap '63.
- JAPAN—POLITICS AND GOVERNMENT**
Morning and evening in the Land of the Rising Sun. Smena. 39 no. 18:10-17 O '62.
Story on the "miracle of the East." A. Mamorov. *Ogonek* 41 no. 2:12-13 Ja '63.
- JAPAN—RELATIONS (GENERAL) WITH RUSSIA**
Land of energy, optimism, and justice; say Japanese visitors. *Ogonek* 41 no. 12:6-7 Mr '63.
- JAPAN—WORLD WAR, 1939-1945**
"Japan subdued; the atomic bomb and the end of the war in the Pacific" [in English] by H. Fets. Reviewed by L. N. Eremin. *Nov. i noveli. ist.* no. 2:156-159 '63.
- JAURES, JEAN LEON, 1859-1914**
"Jean Jaures" [in French] by Vincent Auried. Reviewed by B. L. Vulfson. *Nov. i noveli. ist.* no. 2:166-167 '63.
- JAWS—DISEASES**
Chronic odontogenic osteomyelitis of the jaw. H. N. Vaisblat. *Probl. stom.* 6:200-213 '62.
Donticles in osteomyelitis of the jaw. G. I. Nemenchenko. *Probl. stom.* 6:214-217 '62.
Fibrous osteodystrophy of the maxilla. S. V. Krul', A. N. Chikanikov. *Vest. otorin.* no. 4:99-100 '62.
- JAWS—FRACTURE**
Changes in skin temperature in the region of an upper jaw fracture. V. A. Potrenko. *Probl. stom.* 6:361-363 '62.
New methods of extralaboratory preparation of splints for the treatment of jaw fractures. I. E. Kerkiko. *Probl. stom.* 6:304-312 '62.
Simplified way to prepare Port's splint. V. P. Kiselev. *Probl. stom.* 6:399 '62.
- JAWS—SURGERY**
Increasing the effect of local anesthesia in maxillofacial surgery. L. I. Pashchenko. *Probl. stom.* 6:338-341 '62.
Vaisblat, S. N. [Local anesthesia for operations on the face, the jaws, and the teeth] *Meatnoe obezboivaniye pri operatsionakh na lits, cheljustnykh i zubakh.* Kiev, Gosmedizdat USSR, 1962. 406 p.
(DNLM)
- JAWS—TUMORS**
Rare case of adamantinoma. N. A. Agabalaev. *Zdrav. Turk.* 7 no. 1:28-27 Ja '63.
Treatment of maxillary cysts. I. N. Vaisblat. *Probl. stom.* 6:198-205 '62.
- JEHOVAH'S WITNESSES** see subdivision under Ivano-Frankovsk Province; Podvorynia (Kolymay District); Transcarpathia
- JESUITS**
Angels, fast and light. V. Dolgova. *Nauka i rel.* 4 no. 3:18-22 Mr '63.
- JESUS CHRIST—RESURRECTION**
The myth about Christ's resurrection. L. Bondarevskiy, O. Sukhikh. *Volov. ateist.* 3 no. 3:11-13 Mr '63.

JET PROPULSION

Aerodynamics of a supersonic air intake. V. Il'yushin. Av. i kosm. 45 no. 3:48-51 Mr '63.
Zel'dovich, I. A., and others. [Jet-power impulse of powder rockets] Impul's reaktivnoi sil'y porokhovyykh raket. Moskva, Oborongiz, 1963. 109 p.

JET TRANSPORTS

Jet engines in commercial aviation. E. Litubnovskii. Grazhd. av. 12 no. 1:25-27 Ja '55.

JETS

Basic problems in the engineering theory of a hydraulic giant jet. I. S. Kuklin. Trudy Inst. gor. dela UFAN SSSR no. 3:53-61 '62.
Effect of the initial diameter and the pressure of a jet on its quality. K. M. Shukuturov, I. S. Kuklin. Trudy Inst. gor. dela UFAN SSSR no. 3:83-86 '62.
Experiments on the eroding-away of arenaceous-argillaceous specimens with two interacting jets. I. S. Kuklin, I. U. N. Oskolkov, A. V. Paducheva. Trudy Inst. gor. dela UFAN SSSR no. 3:49-51 '62.
Recent developments in methods of studying the structure of hydraulic giant jets. I. S. Kuklin, K. M. Shukuturov. Trudy Inst. gor. dela UFAN SSSR no. 3:63-69 '62.

JETS—FLUID DYNAMICS

Basic parameters and breaking capacity of a jet. K. M. Shukuturov, I. S. Kuklin. Trudy Inst. gor. dela UFAN SSSR no. 3:71-81 '62.
Calculation of vortical jets. A. S. Lyshevskii. Trudy NPI 131:57-67 '62.
Determination of speed and specific flow in an atomized fluid jet flowing out of large apertures. A. S. Lyshevskii. Trudy NPI 131:25-29 '62.
Determining characteristics of inclined jets. A. S. Lyshevskii. Trudy NPI 131:89-86 '62.
Pressure of a hydraulic giant jet on a flat wall. I. S. Kuklin, G. S. Kulikov, A. V. Paducheva. Trudy Inst. gor. dela UFAN SSSR no. 3:87-90 '62.

JEWISH LAW

A new source of ancient law and its interpretation. M. L. Gelfsior. Vop. ist. 38 no. 3:202 Mr '63.

JIG SAWS

Stationary electric jig saw. L. P. Antonov. Shkola i proizv. 6 no. 11:84-85 N '62.

JIGS AND FIXTURES

Joints of single-stage reinforced concrete columns with their foundations; efficiency of various types of jigs for bringing columns to the planned position. A. Gacvol. Prom. stroi. i inzh. soor. 4 no. 1:20-26 Ja-F '63.
Suspended jig for the assembly of a hip roof. P. Polakov. Prom. stroi. i inzh. soor. 4 no. 1:50 Ja-F '63.

JOB ANALYSIS

Evaluating work complexity in industry. N. Mysev, G. Obolenskaya. Sots. trud 8 no. 3:67-72 Mr '63.

JOURNALISM

(see also subdivision under France)

Addresses and encounters. S. Morozov. Sov. pech. no. 2:19-23 F '63.
Bon voyage. L. Lomazov. Sov. pech. no. 2:34-35 F '63.
Breaking habits. P. Vainshtein. Sov. pech. no. 2:3-5 F '63.
Concrete fact and writers' fantasy. E. Lazebnik. Sov. Ukr. 12 no. 12:168-173 D '62.
Don't say it couldn't be done... A. Lednev. Sov. pech. no. 2:33-34 F '63.
Horizons. I. Gagarin, M. Polisluk. Sov. pech. no. 2: 6-7 F '63.
Let's reestablish truth. M. Karpovich. Sov. pech. no. 2:36 F '63.
Letters to the editor. Sov. pech. no. 2:47-49 F '63.
Two heads are better than one. D. Gauhman. Sov. pech. no. 2:24-26 F '63.

JOURNALISM, AGRICULTURAL

Before the spring offensive. Sov. pech. no. 2:1-2 F '63.

JOURNALISTS

The right of a journalist. Nov. vrem. 20 no. 16:3-4 Ap '63.

JOURNALISTS—CORRESPONDENCE, REMINISCENCES, ETC.

Polapov, N. M. [Meetings without a verbatim report; reminiscences of a journalist] Vstrechi bez stenogrammi; vospominaniya zhurnalista. [Moskva] Moskovskii rabochii, 1962. 93 p.

JUDGES

Judges are independent; they are subordinate only to the law. Sov. iust. no. 7:1-3 Ap '63.

JUMPING

Captain of a golden caravel. Sov. Sotuz no. 12:18 '62.
My dear traitor. Valerii Brumel'. Ogonek 41 no. 5: 14-15 Ja '63.

JUSTICE, ADMINISTRATION OF see subdivision under Hungary; Omsk

JUVENILE DELINQUENCY

(see also subdivision under Moscow)
Belenchuk, I. A. [If you care for people; a judge's story] Takshcho ty ne balduzhyt; rozpovid' sudii. Kyiv, Vyd-vo "Molod", 1962. 48 p.

Conferences discussing the work of committees on juvenile delinquency. T. Donchenko. Sots. zakon. 39 no. 10:42-45 O '62.

Notes, reports and brief news. B. Sychev, M. Mironov, I. Kanchiev. Sem'ia i shkola 18 no. 3:33-35 Mr '63.

KABARDINO-BALKAR A.S.S.R.—ECONOMIC CONDITIONS

On the banks of the Terek River. Petr Nikitin. Kul't. i zhizn' 6 no. 12:4-8 '62.

KABARDINO-BALKAR A.S.S.R.—EDUCATION

On the banks of the Terek River. Petr Nikitin. Kul't. i zhizn' 6 no. 12:4-8 '62.

KABARDINO-BALKAR A.S.S.R.—GUIDEBOOKS

Pod'apol'skii, G. N. [Notable places of the Kabardino-Balkar A.S.S.R.; tourist's guide] Dostoprimechatel'nye mesta Kabardino-Balkarii; sputnik turista. Izd. 2., ispr. i dop. Na'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 141 p.

KAGAROV, EVGENII GEORGIEVICH, 1882- —BIBLIOGRAPHY see Bibliography—Kagarov, Evgenii Georgievich, 1882-

KAFIRNIGAN VALLEY—STOCK AND STOCKBREEDING

Changes in the economy of the Uzbeks in the Kafirigan Valley [with summary in English]. N. G. Borozna. Sov. etn. no. 1:26-38 Ja-F '63.

KAFIRNIGAN VALLEY—UZBEKS

Changes in the economy of the Uzbeks in the Kafirigan Valley [with summary in English]. N. G. Borozna. Sov. etn. no. 1:26-38 Ja-F '63.

KAKHOVA RESERVOIR—SHORE PROTECTION

Rusakov, S. V. [Design, construction and operation of protective structures at the Kakhovka Reservoir] Dosvid proekuvannya, budivnytstva ta ekspluatatsii zakhyanykh sporud Kakhov's'koho vodoshkovysha. Pid red. B. A. Pyshkina. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 67 p.

KALININ—KINDERGARTENS

Physical development of children in the kindergartens of Kalinin. V. S. Morozova, N. A. Frolova, A. I. Ablonova. Zdrav. Ros. Feder. 7 no. 3:26-28 Mr '63.

KALININ—MEAT INDUSTRY—COSTS

The standard method of accounting for production costs in the meat and furs industry. V. Matveis. Buhlig. uchot 20 no. 3:23-26 Mr '63.

KALININ—WOMEN

She approaches people. Inna Varlamova. Rabotnitsa no. 1:18-19 Ja '63.

KALININGRAD PROVINCE—LEPTOSPIROSIS

Leptospirosis in Kaliningrad Province. N. I. Sushkevich, K. A. Butyrlova. Trudy Len. inst. epid. i mikrobiol. 23: 251-255 '61.

KALMYK A.S.S.R.—REVOLUTION, 1917-1921

Maalov, A. G. [Pages out of the past; reminiscences on the struggle for the establishment of the Soviet regime in the Kalmyk A.S.S.R.] Stranitsy bylogo; iz vospominaniy uchastnika bor'by za ustanovlenie Sovetskoi vlasti v Kalmykii. Elista, Kalmytskoe gos. izd-vo, 1962. 155 p.

KALUSITE see subdivision under Ukraine

KAMA RESERVOIR—CHIRONOMIDAE

Tendipodid larvae (Diptera) in the water of the Sylva Bay of Kama Reservoir. V. V. Gromov. Biol. inst. biol. vodokhran. no. 12:36-41 '62.

KAMA RESERVOIR—FRESHWATER FLORA

Vegetation in the shallow waters of the Sylva Bay of Kama Reservoir in the third and fourth years of its existence. A. M. Ovesnov, G. A. Aristova. Biol. inst. biol. vodokhran. no. 12:15-17 '62.

KAMA RESERVOIR REGION—WATER—ANALYSIS

Chemical geography of karst lakes in the Chusovskoy Spil of Kama Reservoir. R. V. Iashchenko. Khim. geog. no. 1:65-69 '61.

KAMA RIVER—WATER—POLLUTION

Consequences of the contamination of the Kama River. A. K. Sharts. Khim. geog. no. 1:99-102 '61.

KAMA VALLEY—POTASSIUM CHLORIDE

Area distribution of potassium chloride in the sylvinitic beds of the Upper Kama deposits. V. I. Kopnin. Dokl. AN SSSR 148 no. 2:415-418 Mr '63.

KAMA VALLEY—SYLVINITE

Area distribution of potassium chloride in the sylvinitic beds of the Upper Kama deposits. V. I. Kopnin. Dokl. AN SSSR 148 no. 2:415-418 Mr '63.

KAMCHATKA—ECONOMIC CONDITIONS

Gifts of Kamchatka. O. Knorring. Ogonek 40 no. 48: 8 D '62.

KAMCHATKA—METALWORK

Zakharov, G. A. [Special features and prospects for developing the metalworking industry in Magadan and Kamchatka Provinces] Osobennosti i perspektivy razvitiya metalloobrabatnyushchei promyshlennosti Magadanskoi i Kamchatskoi oblasti. Novosibirsk, Izd-vo Sibirskogo otd-nia AN SSSR, 1962. 101 p.

KAMCHATKA REGION—EARTH—SURFACE

Characteristics of subsurface geology of the transition zone from the Asian continent to the Pacific Ocean in the Kurile-Kamchatka Island arc region. O. N. Solov'ev, A. G. Gaimanov. Sov. geol. 6 no. 3:113-123 Mr '63.

KAMENETS-PODOL'SK—HISTORY

Voyage into youth. Vladimir Bellaev. Ogonek 41 no. 12:18-19 Mr '63.

KAMENETS-PODOL'SKY—HISTORY

History of the city of Kamneta-Podol'skiy. L. K. Popov, H. T. Khotun. Ukr. ist. zhur. 6 no. 1:103-105 Ja-F '63.

KANDALAKSHA—DESCRIPTION

Peninsula of sunny nights. V. Kononov. Vokrug sveta no. 3:6-8 Mr '63.

KANIN, ALEKSANDR IGNAT'EVICH, 1877-1953

Khodorkovskaya, L. S., and A. P. Klinchik. [The career of A. I. Kanin, the theatrical producer, 1877-1953] Put' rezhissera, A. I. Kanin, 1877-1953. Moskva, Vses. teatral'noe ob-vo, 1962. 270 p.

KANIN PENINSULA—GEOLOGY, STRATIGRAPHIC

Geology of the Devonian of the Kanin Peninsula. O. S. Kochetkov. Dokl. AN SSSR 149 no. 4:931-934 Ap '63.

KANT, IMMANUEL, 1724-1804

Golozovker, I. A. E. [Dostoevskii and Kant; a reader's thoughts on the novel "Brothers Karamazov" and Kant's treatise "Critique of pure reason"] Dostoevskii i Kant; razmyshleniye chitatelia nad romanom "Brat'ia Karamazovy" i traktatom Kanta "Kritika chistogo razuma." Moskva, Izd-vo Akad. nauk SSSR, 1963. 100 p.

KAOLIN

Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. [Industry's requirements as to the quality of mineral raw materials] Trebovaniya promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gosgeolokhizdat, No. 54. Potapenko, S. V., and A. A. Volkher. [Clays and kaolin] Gliny i kaolin. Nauchn. red. A. A. Volkher. Izd. 2., perer. 1962. 94 p.

Nitration of kaolin. K. S. Kulatoladze, E. N. Zedgirdze. Zhur. prikl. khim. 36 no. 2:283-287 F '63.

KAOLINITE

Nature of the soil-stabilizing and aggregating action of Na-humates on kaolinite clay suspensions. M. M. Gurvich. Azerb. khim. zhur. no. 2:103-111 '62.

KAPTEREV, PETR FEDOROVICH, 1849-1921

P. F. Kapterev on the contents of general education. Z. M. Tamberova. Dokl. APN 6 no. 6:67-70 '62.

KARA KUM—CONSTRUCTION WORKERS

People of the same destiny. D. Markish. Ogonek 40 no. 52:9-10 D '62.

KARA KUM—OIL FIELDS

Desert and outer space; from the notebook of a reporter. V. Belov. Iun. tekhn. 7 no. 3:23-27 Mr '63.

KARA KUM—PIPELINES

People of the same destiny. D. Markish. Ogonek 40 no. 52:9-10 D '62.

KARA KUM—WATER, UNDERGROUND—ANALYSIS

Fresh waters in the southeastern part of the Kara Kum. V. M. Tarasova. Zap. LGI 44 no. 2:45-50 '62.

KARA-MAZAR MOUNTAINS—METASOMATISM

Metasomatic zoning of aureoles in the Zambarak deposit. L. M. Lur'e. Geol. rud. mestorozh. 5 no. 1:117-33 Ja-F '63.

KARA-TAU—PHOSPHORITES

X-ray study of products of the hydrothermal decomposition of phosphorites in the Kara-Tau. A. I. Sokolov and others. Rent. min. syr. no. 1:140-148 '62.

KARAGANDA—MEDICAL SOCIAL WORK

Longed for. I. Sosonkina. Sov. Kras. krest 12 no. 5:24 S-O '62.

KARAGANDA BASIN—COAL—ANALYSIS

Differences and properties of tainite and collinite from Karaganda Basin coking coals. V. N. Nesterov. Dokl. AN SSSR 148 no. 2:407-409 Mr '63.

KARAGANDA BASIN—COAL—TESTING

Strength and resistance to disintegration of coals in the Karaganda Basin. E. Z. Pozin. Fiz.-mekh. svoist., dav. i razr. gor. porod no. 1:227-235 '62.

KARAGANDA BASIN—COAL MINES AND MINING

Karaganda Basin miners fight for improved mining methods. P. K. Matonin, A. S. Volkov, G. I. Val'shtein. Shkht. stroi. 7 no. 4:1-4 Ap '63.

KARAGANDA PROVINCE—COOPERATIVE SOCIETIES

Omitting superfluous links. F. Tsvirko. Koop. Kazakh. 5 no. 1:29-32 Ja '63.

KARAGANDA PROVINCE—MEDICAL CARE

Face to face. E. Shevchuk. Sov. Kras. krest 12 no. 5: 13 S-O '62.

KARAGANDA REGION—AGRICULTURAL WORKERS—EDUCATION

Miners, members of the All-Union Volunteer Society for Assistance to the Army, Navy, and Air Force, help a village. L. Savilev. Voenn. znani. 30 no. 2:19-20 F '63.

KARAGASSES see subdivision under Sayan Mountain region

KARELIA—CONSTRUCTION WORKERS

The dormitory is my home. A. Kapunov. Komsom. zhizn' no. 5:28-30 Mr '63.

KARELIA—LABOR AND LABORING CLASSES

Balagurov, I. A. [Industrial serfs in Karelia in the 18th and 19th centuries] Priplisnye krest'iane Karelii v XVIII-XIX vv. Petrozavodsk, Karol'skoe knizhnoe izd-vo, 1962. 350 p.

KARELIA—SERFDOM

Balagurov, I. A. [Industrial serfs in Karelia in the 18th and 19th centuries] Priplisnye krest'iane Karelii v XVIII-XIX vv. Petrozavodsk, Karol'skoe knizhnoe izd-vo, 1962. 350 p.

KAROLINO-BUGAZ—SEASIDE RESORTS

The Karolino-Bugaz Health Resort. R. Vladimirovskaya, A. D'iachenko. Stroi. i arkh. 11 no. 2:19-20 F '63.

KARYOKINESIS

A day's rhythm of mitoses and the interaction between cell activity and cell division. I. A. Alov. TSitologiya 4 no. 3:297-305 My-Je '62.

Effect of a leucocytic serum on the mitotic activity of the cryptal epithelium of the small intestine. A. V. Abuladze. Dokl. AN SSSR 149 no. 4:957-959 Ap '63.

Radiographic analysis of the mitotic cycle and kinetics of a cell population in the epithelium of uterus in mice. O. I. Epifanova. Dokl. AN SSSR 149 no. 2:424-427 Mr '63.

Studying the mitotic cycle of the epithelial cells of the cornea in mice using tritium-labeled thymidine. M. G. Chumak. Dokl. AN SSSR 149 no. 4:960-962 Ap '63.

KASHIRA—ECONOMICS—STUDY AND TEACHING

In the Kashira People's Economics University. A. Ivanov. Dokl. i sob. VNIESKH no. 13:168-169 '62.

KASHIRGOVA, KURATSA IZMAILOVNA, 1901-

Shelbter, T. K. Kuratsa Kashirgova. Moskva, Sovetskii kompozitor, 1961. 31 p. (Narodnye peysy i muzykanty) (MH)

KASIMOV DISTRICT—STOCK AND STOCKBREEDING

Determining the combination of livestock farm sections with the aid of linear (mathematical) programming. V. A. Svobodin. Dokl. i sob. VNIESKH no. 13:164-167 '62.

KAUNAS

Gulbinskiene, A., and others. [Kaunas. Vilnius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1962. 172 p. (Inu)]

KAZAKH STUDIES see subdivision under United States

KAZAKHSTAN—ACCOUNTING

Uniform journal-voucher accounting system in commerce. I. A. Firer. Bukhg. uch. 20 no. 3:53-55 Mr '63.

KAZAKHSTAN—AGRICULTURE—ECONOMIC ASPECTS

Churin, K. D., ed. [Economics of Kazakhstan agriculture] Ekonomika sel'skogo khozaistva Kazakhstana, Alma-Ata, Kazsel'khozgiz, 1962. 325 p.

KAZAKHSTAN—ARCHITECTURE—DESIGNS AND PLANS

Designing. A. Andreev. Koop. Kazakh. 5 no. 1:38-39 Ja '63.

KAZAKHSTAN—AUTHORS AND READERS

Meeting. S. Grigor'ev. Koop. Kazakh. 5 no. 1:52-55 Ja '63.

KAZAKHSTAN—BAKERIES

Let's build more bakeries. S. Rakhmetchin. Koop. Kazakh. 5 no. 1:41-42 Ja '63.

KAZAKHSTAN—BOOKSELLERS AND BOOKSELLING

Fruits of uncontrolledness. A. German. Sov. knizh. torg. 14 no. 2:37-38 F '63.

Meeting. S. Grigor'ev. Koop. Kazakh. 5 no. 1:52-55 Ja '63.

KAZAKHSTAN—COMMERCE

Uniform journal-voucher accounting system in commerce. I. A. Firer. Bukhg. uch. 20 no. 3:53-55 Mr '63.

KAZAKHSTAN—COOPERATIVE SOCIETIES

Editor's mail. O. Altov and others. Koop. Kazakh. 5 no. 1:33-37 Ja '63.

Fifth year of the seven-year plan. I. Datsiuk. Koop. Kazakh. 5 no. 1:5-8 Ja '63.

"In reality nobody..." Koop. Kazakh. 5 no. 1:28 Ja '63.

Reorganizing the district link of the cooperative society of the republic. Koop. Kazakh. 5 no. 1:12-13 Ja '63.

To the new frontiers. Koop. Kazakh. 5 no. 1:3-4 Ja '63.

KAZAKHSTAN—DISPLAY OF MERCHANDISE

Let's arrange our show windows in the simplest way possible. S. Sulcmanov. Koop. Kazakh. 5 no. 1:26-27 Ja '63.

KAZAKHSTAN—ECONOMIC GEOGRAPHY

Larmukhamedov, M. Sh. [Most important changes in the geography of the national economy of Kazakhstan in 40 years] Vazhneishie izmeneniia v geografii narodnogo khozaistva Kazakhstana za 40 let. Alma-Ata, Ob-vo po raspr. polit. i nauchn. znani Kazakhskoi SSR, 1960. 55 p.

KAZAKHSTAN—FOREST SOILS

Elements of ash exchange in 10-year-old elm and birch stands on dark Chestnut soils [with summary in English]. I. T. Stepanets. Pochvovedenie no. 2:68-74 F '63.

KAZAKHSTAN—FUEL

Let us centralize completely the supply of fuels and lubricants. A. Matiborski. Neftianik 8 no. 1:33 Ja '63.

KAZAKHSTAN—GEOLOGY, STRATIGRAPHIC

Litvinovich, N. V. [Carboniferous and Permian deposits of the western part of central Kazakhstan] Kamennougol'nye i permidskie otlozheniia zapadnoi chasti Tsentral'nogo Kazakhstana. Moskva, Izd-vo Mosk. univ., 1962. 388 p. (Materialy po geologii Tsentral'nogo Kazakhstana, vol. 4)

KAZAKHSTAN—HISTORY

Tureunbaev, A. B. [Against the bourgeois falsification of the history of Kazakhstan] Protiv burzhuaznoi falsifikatsii istorii Kazakhstana. Alma-Ata, Kazgospolitizdat, 1963. 111 p.

KAZAKHSTAN—LAKES

Ground water recharge of lakes in northern Kazakhstan. L. A. Zemlitskaya. Trudy Lab. ozeroved. 15:118-144 '63.

Hydrochemical characteristics of lakes in northern Kazakhstan in connection with their limnology. T. B. Forsh. Trudy Lab. ozeroved. 15:175-117 '63.

KAZAKHSTAN—LUBRICATION AND LUBRICANTS

Let us centralize completely the supply of fuels and lubricants. A. Matiborski. Neftianik 8 no. 1:33 Ja '63.

KAZAKHSTAN—MARMOTS

Time of hibernation of the steppe marmot and the lesser suslik in central Kazakhstan [with summary in English]. I. G. Shubin. Zool. zhur. 42 no. 2:274-281 '63.

KAZAKHSTAN—RETAIL TRADE

Let's direct our care and attention to cattle breeders. M. Servaiskii. Koop. Kazakh. 5 no. 1:16-18 Ja '63.

KAZAKHSTAN—SHAFT SINKING

Shaft 59.5m deep sunk in hard rock in a month. M. L. Veksel'man and others. Shkht. stroi. 7 no. 4:19-22 Ap '63.

KAZAKHSTAN—SUSLIKS

Time of hibernation of the steppe marmot and the lesser suslik in central Kazakhstan [with summary in English]. I. G. Shubin. Zool. zhur. 42 no. 2:274-281 '63.

KAZAKHSTAN—TECHNICAL EDUCATION

Secondary specialized education in Kazakhstan. M. A. Balturin. Sred. spets. obr. 10 no. 3:1-4 Mr '63.

KAZAN—RUBBER INDUSTRY

Gumming casing for radiosondes. Ogonek 40 no. 50: 2 of cover D '62.

KEDA REGION—ECONOMIC CONDITIONS

The road leads upwards. Nadezhda Svetlova. Ogonek 40 no. 48:18-19 N '62.

KELL', NIKOLAI GEORGIEVICH, 1883-

On the 80th birthday of Professor Nikolai Georgievich Kell', corresponding member of the Academy of Sciences of the U. S. S. R. Geod. i kart. no. 2:68-69 F '63.

KEMAL, ORHAN, pseud. see Basit, Mehmet, 1914-

KEMEROVO—AZEPINONE

Construction of a group of shops for the manufacture of caprolactam in the Kuznetsk Basin. M. I. Bal'mov. Prom. stroi. 41 no. 2:9-10 F '63.

Rapid assembly of shops for the production of caprolactam. L. P. Topkasov, M. V. Nefedov. Prom. stroi. 41 no. 2:10-12 F '63.

KEMEROVO—CHEMICAL PLANTS

Construction of a group of shops for the manufacture of caprolactam in the Kuznetsk Basin. M. I. Bal'mov. Prom. stroi. 41 no. 2:9-10 F '63.

Rapid assembly of shops for the production of caprolactam. L. P. Topkasov, M. V. Nefedov. Prom. stroi. 41 no. 2:10-12 F '63.

KEMEROVO—ELECTRIC POWER PLANTS

The Novo-Kemerovo Thermal Electric Plant is being built completely of precast reinforced concrete. V. N. Gordienko. Prom. stroi. 41 no. 2:21-24 F '63.

KEMEROVO—PRECAST CONCRETE CONSTRUCTION

The Novo-Kemerovo Thermal Electric Plant is being built completely of precast reinforced concrete. V. N. Gordienko. Prom. stroi. 41 no. 2:21-24 F '63.

KEMEROVO PROVINCE—FIRES AND FIRE PREVENTION—INSPECTION

Indolence. A. Bazylev. Pozh. delo 9 no. 2:22 F '63.

KEMEROVO PROVINCE—LABOR PRODUCTIVITY

Utilizing all hidden potentialities. Part. zhizn' no. 6: 71-72 Mr '63.

KEMEROVO PROVINCE—RAILROADS—AUDITING AND INSPECTION

Stop delays. V. Borisov. Komsom. zhizn' no. 7:10 Ap '63.

KENDYRLYK REGION—COAL MINES AND MINING

Possibility of developing the Kendyrylyk coal and shale field. K. Dlusonov. Trudy All. GIMN AN Kazakh SSR 13:40-47 '62.

KENDYRLYK REGION—SHALES

Possibility of developing the Kendyrylyk coal and shale field. K. Dlusonov. Trudy All. GIMN AN Kazakh SSR 13:40-47 '62.

KENT, ROCKWELL, 1882-

Album of Rockwell Kent. E. Sukharova. Kul't. i zhizn' 8 no. 9:44 '62.

KENT COUNTY, GREAT BRITAIN—BRIDGES—DESIGN AND CONSTRUCTION

Assembly of a reinforced concrete bridge in England (from "The Engineer," no. 5530, 1962; "Engineering News-Record," 31 August 1961). I. B. Tsimbarg. Transp. stroi. 13 no. 2:57-58 F '63.

KERAMZIT

Keramzit concrete truss. D. Akridin. A. Ruznatsov. Na stroi. Ros. 4 no. 1:28-29 Ja '63.

Keramzit concrete wall slabs 12 m. long for heated industrial buildings. A. A. Kudriavtsev. Prom. stroi. 40 [i.e. 41] no. 3:19-22 Mr '63.

KERATIN

Keratization activity of Actinomyces fragilis. A. O. Kuchayeva and others. Dokl. AN SSSR 148 no. 6:1400-1402 F '63.

Rate of formation of sulfur-containing precursors of hair keratin in the skin of sheep following the peroral administration of sulfate and methionine. A. L. Paducheva, Z. I. Volkova, Zh. A. Feofilova. Dokl. AN SSSR 148 no. 5:1205-1206 F '63.

KERATOCONJUNCTIVITIS

Anti-inflammatory effect of penicillin in anaphylactic keratoconjunctivitis. B. I. Vainshtein. Zdrav. Turk. 2 no. 6:17-21 N-D '63.

KERCH BASIN—IRON ORES

Shitukov, E. F., and P. I. Naumenko. [Kerch Basin manganese and iron ores] Manganovo-zheleznye rudy Kerchenskogo basseina. Simferopol', Krymizdat, 1961. 178 p.

KERCH BASIN—MANGANESE ORES

Shitukov, E. F., and P. I. Naumenko. [Kerch Basin manganese and iron ores] Manganovo-zheleznye rudy Kerchenskogo basseina. Simferopol', Krymizdat, 1961. 178 p.

KERCH BASIN—PALEOGEOGRAPHY

Persman Lecture. Vest. AN SSSR 33 no. 3:140 Mr '63.

KERCH PENINSULA—IRON ORES

Arsenic behavior during the oxidation roiling of Kerch deposit iron ores. N. A. Vaslutinskii, L. I. Vaslutinskaya. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo no. 1:20-32 Ja-F '63.

KERCH PENINSULA—SILICATES—ANALYSIS

X-ray analysis of main rock-forming silicates in the Kamysh-Durun iron ore deposit (Crimea). IU, S. Lebedev. Rent, min. syr. no. 1:39-46 '62.

KETONES

Chloromethylation of 5-ethyl-2-acetothienone. IA, L. Goldfarb, IU, B. Vol'kenshtein. Izv. AN SSSR, Otd. khim. nauk no. 4:737-742 Ap '63.

KETONES—OPTICAL PROPERTIES

Stereochemical investigations. Part 14: Optically active aryl-β-aminovinyl ketones and their tautomerism. V. M. Potapov, F. A. Trofimov, A. P. Terent'ev. Zhur. ob. khim. 33 no. 3:853-859 Mr '63.

KHABAROVSK—APARTMENT HOUSES

The crew increases its rate of construction. Stroitel' 9 no. 3:9-10 Mr '63.

KHABAROVSK—CONSTRUCTION INDUSTRY

We are responsible for everything. L. Samardak. Na stroi. Ros. 4 no. 1:24 Ja '63.

KHABAROVSK—PRECAST CONCRETE CONSTRUCTION

The crew increases its rate of construction. Stroitel' 9 no. 3:9-10 Mr '63.

KHABAROVSK—TEACHING

Joint work of schools and a pedagogical institute. D. E. Bauman. Sov. pedagog. 27 no. 2:91-97 F '63.

KHABAROVSK TERRITORY—CONSTRUCTION INDUSTRY

Construction in Khabarovsk Territory. Stroitel' 9 no. 3:3 Mr '63.

KHAKASS AUTONOMOUS PROVINCE—CAVE DRAWINGS

From the time of the Iron Age. V. Nikolaenko, A. Shchavlin. Sov. Soluz. no. 4:50-51 '63.

KHANDRIKOV, MITROFAN FEDOROVICH, 1837-1915

Mitrofan Fedorovich Khandrikov (1837-1915). A. F. Bogorodskii, N. A. Chernega. Ist.-astron. issl. no. 8: 207-329 '62.

KHARKOV—ARCHITECTURE

Dzerzhinskii Square in Kharkov. B. Khinkalov, V. Moiseenko. Stroi. i arkh. 11 no. 2:35 F '63.

KHARKOV—ATHEISM

Generous well-wishers. V. Sularko. Voiev. ateist 3 no. 3:6-7 Mr '63.

KHARKOV—COMMUNIST PARTY OF THE SOVIET UNION

Violation of the collectivity principle. M. Shidlovskii. Part. zhizn' no. 6:41 Mr '63.

KHARKOV—ELECTRIC INDUSTRY WORKERS—EDUCATION AND TRAINING

Industrial problems discussed in a theoretical seminar. G. Shchil'ko. Polit. samozbr. 7 no. 2:96-99 F '63.

KHARKOV—FORGE SHOPS—DESIGN AND CONSTRUCTION

Assembly-line erection of the frame of a forge shop made of precast reinforced concrete elements. G. I. Bort and others. Prom. stroi. 40 [i.e. 41] no. 3:2-5 Mr '63.

KHARKOV—MACHINERY INDUSTRY—MANAGEMENT

Ways to ensure a regular production flow in machinery manufacturing enterprises. O. Konotop, Ekon. R. d. Ukr. no. 1:32-35 Ja-F '63.

KHAROVSK—SCHOOLHOUSES

Projects and life. N. Morozova. Rabotnitsa no. 1:25-26 Ja '63.

KHARTSYZSK—WOOD, COMPRESSED

Annenkov, V. F. [Work practices of the shop of compressed wood parts at the Khartsyzsk Pipe Plant] Opyt raboty tsukha detaloi pressovannoi drovesiny pri Khartsyzskom trubnom zavode. Moskva, Goslesbumizdat, 1962. 46 p. (Nastoiichivo vnedrit' poredovoi opyt v protyvodstvo)

KHAYKIN, VLADIMIR MORDEKHAI, 1860-1930

Popovskii, M. A. [Doctor Khaykin's destiny] Sud'ba doktora Khaykina. Moskva, Izd-vo vostochnoi lit-ry, 1963. 130 p.

KHAZARS

"History of the Khazars" by M. I. Artamonov. Reviewed by IA, A. Fedorov. Vop. ist. 38 no. 3:146-150 Mr '63.

KHERSON—ANTIQUITIES

Haralds of Hellas. L. Osipova. Ogonek 40 no. 46:17 N '62.

KHERSON—COMMUNITY CENTERS

Ships of all flags are our guests. K. Shishkov. Klub 12 no. 8:6-8 S '62.

KHERSON—PAPER INDUSTRY

Organization of shops for the preparation and cleaning of reed chips. S. A. Perlov, S. S. Valkhanskii. Bum. prom. 38 no. 3:17-19 Mr '63.

KHERSON PROVINCE—DRINKING WATER

Fluorine content in the drinking water in Kherson Province. A. V. Pavlov, E. A. Magid. Probl. stom. 6:143-146 '62.

KHERSON PROVINCE—GEOLOGY, STRATIGRAPHIC

Stratigraphic position of the spheroidin zone in the Maikopian deposits of the Black Sea Depression. M. F. Nosovskii, N. G. Savenko. Dokl. AN SSSR 148 no. 5: 1179-1181 F '63.

KHERSON PROVINCE—PALEOBOTANY

Khadum spore and pollen complexes from the Oligocene deposits of the eastern Black Sea region. V. V. Koralliova. Dokl. AN SSSR 148 no. 5:1162-1163 F '63.

KHITAN LANGUAGE—PHONETICS

The problems of Khitan writing [with summary in English]. L. N. Rudov. Sov. etn. no. 1:89-98 Ja-F '63.

KHIVA—ANTIQUITIES

Khorezmskaya arkhieologicheskaya ekspeditsiya, 1937- [Materials of the Khorezm Archaeological and Ethnographical Expedition, 1937] Materialy. Pod obshch. red. S. P. Tolstova. Moskva, Izd-vo Akad. nauk SSSR.

No. 4. [Field research of the Khorezm Expedition in 1957] Polevoye issledovanie Khorezmskoi ekspeditsii v 1957 godu. 1960. 205 p.

No. 6. [Field research of the Khorezm Expedition in 1958-1961] Polevoye issledovanie Khorezmskoi ekspeditsii v 1958-1961 gg. [Pt. I. General report. Monuments of the primeval and ancient times] Obshchii otchet. Pamiatniki pervobytnogo i antichnogo vremeni. 1963. 272 p.

KHIMEL'NIK—HEALTH RESORTS, WATERING PLACES, ETC.

Novitskii, G. A. [The health resort of Khmel'nik and its therapeutic properties] Kurort Khmel'nik i ego lechebnye svoystva. Kiev, Gosmedizdat USSR, 1962. 111 p. (DNLM)

KHIMEL'NITSKIY PROVINCE—BOOKSELLERS AND BOOKSELLING

They do not carry out the decisions of the government. N. Gleizer. Sov. knizh. tovg. 14 no. 3:32 Mr '63.

KHIMEL'NITSKIY PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Vatchenko, A. F. [In the forefront of a great march] V avangardi velikogo pocheta; z dosvidu roboty Khmel'nikskoi oblasti partinnoi organizatsii. Kyiv, Derzhpolitytdav URSR, 1962. 69 p.

KHIMEL'NITSKIY PROVINCE—EDUCATION, ELEMENTARY

Conditions of work in grades 1-4 in Cherkassy and Khmel'niatskiy Provinces. Rad. shk. 41 no. 2:71-72 F '63.

KHOPER PRESERVE—ALDER

State of black alder stands in the Khoper Preserve. I. A. Alekseev. Trudy Khop. gos. zap. no. 4:122-144 '61.

KHOPER PRESERVE—BARK BEETLES

Role of bark beetles in the development of nidi of the Dutch elm disease. T. M. Gur'lanova. Trudy Khop. gos. zap. no. 4:105-121 '61.

KHOPER PRESERVE—DUTCH ELM DISEASE

Role of bark beetles in the development of nidi of the Dutch elm disease. T. M. Gur'lanova. Trudy Khop. gos. zap. no. 4:105-121 '61.

KHOPER PRESERVE—FOREST INSECTS

The complex of insects feeding on leaves in the floodplain stands of the Khoper Preserve. E. G. Mozolevskaya, Z. Vayak. Trudy Khop. gos. zap. no. 4:75-92 '61.

Survey of injurious forest insects in the Khoper Preserve. A. I. Vorontsov, T. M. Gur'lanova, E. G. Mozolevskaya. Trudy Khop. gos. zap. no. 4:47-74 '61.

KHOPER PRESERVE—PINE—DISEASES AND PESTS

Nidi of the root rot fungus (Fomes annosus) in the pine forests of the Khoper Preserve. A. I. Vorontsov. Trudy Khop. gos. zap. no. 4:145-152 '61.

Outbreak of the red pine sawfly Neodiprion sertifer in the Khoper Preserve. A. I. Vorontsov, N. A. Kalukina. Trudy Khop. gos. zap. no. 4:93-104 '61.

KHOPER PRESERVE—SAWFLIES

Outbreak of the red pine sawfly Neodiprion sertifer in the Khoper Preserve. A. I. Vorontsov, N. A. Kalukina. Trudy Khop. gos. zap. no. 4:93-104 '61.

KHOPER PRESERVE—TREES—DISEASES AND PESTS

Sanitary state and biological stability of forest stands in the Khoper Preserve. E. G. Mozolevskaya. Trudy Khop. gos. zap. no. 4:31-46 '61.

KHOPER PRESERVE—WOOD—DECAYING FUNGI

Nidi of the root rot fungus (Fomes annosus) in the pine forests of the Khoper Preserve. A. I. Vorontsov. Trudy Khop. gos. zap. no. 4:145-152 '61.

KHOPER VALLEY—NATURAL HISTORY

Short characteristics of natural conditions in the middle course of the Khoper River. IU, V. D'jakov. Trudy Khop. gos. zap. no. 4:5-30 '61.

KHOREZM PROVINCE—GUIDEBOOKS

Kalandarov, N., and others. [Khorezm; brief manual and guidebook] Khorezm; kratki spravochnik-putevoditel'. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 113 p.

KHOREZM PROVINCE—POULTRY INDUSTRY

It is economical and expedient. S. Karimov. Nar. khoz. Uzb. 5 no. 3:55-57 Mr '63.

KHRUSHCHEV, NIKITA SERGEEVICH, 1894-

From the depth of the mines. V. Sirobaba. Nauka i zhyt-tia 12 no. 1:4-6 Ja '63.

KHRUSHCHOV, GRIGORI KONSTANTINOVICH, 1897-1962

In memory of Grigori Konstantinovich Khrushchev (1897-1962). Usp. sovr. biol. 53 no. 1:3-8 Ja-F '63.

KHURIUSKII, TAGIR—BIBLIOGRAPHY see Bibliography—Khuriuski, Tagir

KIDNEYS

Kidneys. Zdorov'e 9 no. 2:9 F '63.

KIDNEYS—DISEASES

Treatment of children suffering from nephritis at the Bayram-Ali Renal Sanatorium. G. F. Paskarev. Zdrav. Turk. 6 no. 6:28-30 N-D '62.

KIEV—AERONAUTICS—STUDY AND TEACHING

With aeronautical engineering degree. Grazhd. av. 20 no. 2:29 F '63.

KIEV—APARTMENT HOUSES

Production-line construction of large-panel apartment houses in Kiev. V. Lazebnik. Stroi. i arkh. 11 no. 2:4-6 F '63.

KIEV—ARCHITECTURE

The building of the Kiev Academy. E. Gorbenko. Stroi. i arkh. 11 no. 2:36 F '63.

KIEV—ARCHITECTURE—DESIGNS AND PLANS

Experience of the Kiev State Planning Institute (for the construction industry). A. Pisarev. Stroi. i arkh. 11 no. 2:32 F '63.

KIEV—BRICK WALLS

Ceramic slabs at construction projects in Kiev. B. Rybchinskii. Stroi. i arkh. 11 no. 2:12-13 F '63.

KIEV—BUILDINGS

Production-line construction of large-panel apartment houses in Kiev. V. Lazebnik. Stroi. i arkh. 11 no. 2:4-6 F '63.

KIEV—COMMUNIST YOUTH LEAGUE

Soldatenko, I. N. [Forgers of a new life] Kovani novoho zhyt'tia. Kyiv, Kyivs'ke obl. knyzhkovy-gazetne vyd-vo, 1962. 21 p.

KIEV—COMMUNITY CENTERS

This is our program. N. Palant. Klub 12 no. 9:13 S '62.

KIEV—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

Comparative analysis of the operations of construction organizations. S. Oriluk. Bukh. uchel. 20 no. 2:43-47 F '63.

KIEV—EXHIBITIONS

Exhibition of radio-measurement instruments made in Czechoslovakia. A. I. Velichko. Avtom. i prib. no. 1: 77-82 Ja-Mr '63.

KIEV—GRAFFITI

Early Russian graffiti from the Cathedral of St. Sophia in Kiev. S. A. Vysotskii. Num. i eplg. 3:147-162 '62.

KIEV—GROCERY TRADE

Re-equipment of a grocery store. M. Rabinovich, A. B. A. Bedritskii. Sov. tovg. 36 no. 3:20-23 Mr '63.

KIEV—HISTORICAL MUSEUMS

Exhibits reveal. A. Druzhynina. Voiev. ateist 3 no. 3: 52-53 Mr '63.

KIEV—HYDRAULIC ENGINEERING

To be worthy builders of communism. N. T. Glushko. Transp. stroi. 13 no. 2:34-36 F '63.

KIEV—INDUSTRIAL MANAGEMENT

Lohoda, A. I. [Party patrol] Partii dozornii z dosvidu roboty komitii partinnoi kontroliu m. Kyieva. [Kyiv] Kyivs'ke oblasne knyzhkovy-gazetne vyd-vo, 1962. 27 p.

KIEV—MEDICINE—STUDY AND TEACHING

For the future physicians. ... E. Kushnir. Sov. Kras. kreist. 12 no. 5:14 S-O '62.

- KIEV—MOTION-PICTURE STUDIOS**
Modernization of the A. Dovzhenko Motion-Picture Studio in Kiev. IU. Ferdman. Stroi i arkh. 10 no. 7:9-10 J1 '62.
- KIEV—POTTERY, UKRAINIAN**
Museum of an old potter. IA. Mustiko. Ukraina no. 2: 32 Ja '63.
- KIEV—RETAIL TRADE—AUDITING AND INSPECTION**
The auditing department should be independent. I. Petrenko. Sov. torg. 38 no. 3:39-40 Mr '63.
- KIEV—SUBWAYS**
Pneumatic conveying of concrete in construction of the Kiev subway. P. Tiutunnikov, A. Oboznii. Stroi i arkh. 10 no. 7:30 J1 '62.
- KIEV—THEATER**
Look in the face. L. Virina. Ogonek 40 no. 49:26-27 D '62.
- KIEV—WEATHER REPORTING, TELEVISION**
Inquiry television stand "Pogoda." Meteor. i gidrol. no. 3:64 Mr '63.
- KIEV ECONOMIC REGION—ACCOUNTING**
Improve daily accounting in enterprises. O. Kashpur. Ekon. Rad, Ukr. no. 1:87-91 Ja-F '63.
- KIEV ECONOMIC REGION—INDUSTRIES**
Akademiia nauk URSS. Kiev. Institut ekonomiki. [Trends in the specialization and comprehensive development of the Kiev Administrative Economic Region] Napriamy spetsializatsii i kompleksnogo rozvytku Kyivs'koho administratyvnoho raionu. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 308 p.
- KIEV PROVINCE—APARTMENT HOUSES**
Houses made of silicicite. G. Mirvillants. Stroi i arkh. 10 no. 7:20 J1 '62.
- KIEV PROVINCE—COLLECTIVE FARMS**
Over the rapids. T. Ruzhinskii. Sov. Ukr. 13 no. 2:144-154 F '63.
- KIEV PROVINCE—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING**
Improve the training of workers in industrial enterprises. H. Proshchharuk. Ekon. Rad, Ukr. no. 1:26-31 Ja-F '63.
- KIEV PROVINCE—PASTURES AND MEADOWS**
Economic efficiency of cultivated pastures. P. Makarenko. Ekon. Rad, Ukr. no. 1:55-58 Ja-F '63.
- KIEV REGION—ANTIQUITIES**
Reasoning of ancient artists: an unusual archaeological discovery in the Kiev region. Erast Biniashevs'kii. Ukraina no. 2:23 Ja '63.
- KIEVO-PECHERSKAIA LAVRA** see Pechersky Monastery
- KILNS**
Improving the tunnel kiln. R. P. Sokolovskii. Stok i ker. 20 no. 4:32-33 Ap '63.
- KILNS, ROTARY—FOUNDATIONS**
Precast foundations for rotary kilns at cement plants. A. I. Fridkin, I. B. Palatnikov. Prom. stroi. 40 [i.e. 41] no. 3:24-27 Mr '63.
- KIMBERLITE** see subdivision under Siberia; Siberian Platform; Yakutia
- KINDERGARTEN**
In a rural kindergarten. V. Novikov. Koop. Kazakh. 5 no. 1:83-84 Ja '63.
- KINDERGARTEN—MUSIC**
Concern for people. V. Myronenko. Doshk. vykh. 24 no. 2:19-20 F '63.
- KINDERGARTENS**
(see also subdivision under Kalinin)
For the outstanding efficiency of work. Z. Volchkova. Doshk. vykh. 24 no. 2:15-16 F '63.
Kindergartens and nurseries should be placed under the control of women's committees. F. Ulianov and others. Rabotnitsa 40 no. 8:14-15 Je '62.
Thus they perceive the world. A. Zhukova. Ogonek 41 no. 9:24 F '63.
- KINDNESS**
On the good in people. Maksim Ryl's'kii. Ogonek 41 no. 5:10-11 Ja '63.
- KINESHMA—TEXTILE INDUSTRY**
Konstantin Zaitsev's friends and enemies. S. Pospelov. Izobr. i rats. no. 7:21-22 J1 '62.
- KINTSEVO—TEXTILE MACHINERY**
Book which costs 150,000 rubles. A. Novikov. Izobr. i rats. no. 9:26 S '62.
- KIPRENSKII, OREST ADAMOVICH, 1782-1836**
Living features. N. Vinokur. Ogonek 41 no. 10:18 Mr '63.
- KIRCHENSTEINS, AUGUSTS, 1872-**
Augusta Kirchensteins; on his 80th birthday. R. A. Kuhn, IU. O. Jakobson. Mikrobiologiya 31 no. 6:1136-1138 N-D '62.
- KIRENGA VALLEY—GEOLOGY, STRATIGRAPHIC**
Cambrian sediments of the middle and lower Kirenga River. M. A. Zharkov, E. I. Chechev, I. M. Kniasev. Dokl. AN SSSR 149 no. 4:922-924 Ap '63.
- KIRGHIZ** see subdivision under Tien Shan
- KIRGHIZISTAN—CONSTITUTION**
Turgunbekov, R. [Creation and development of the Constitution of the Kirghiz S.S.R.] Sozdanie i razvitiie konstitutsii Kirgizskoi SSR. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 170 p.
- KIRGHIZISTAN—DESCRIPTION**
Palms of your brothers. A. Sofronov. Ogonek 40 no. 48:16 N '62.
- KIRGHIZISTAN—ETHNOLOGY**
Antipina, K. I. [Characteristics of the material culture and applied art of the southern Kirghiz; materials collected in the southern part of Osh Province in the Kirghiz S.S.R.] Osobennosti material'noi kul'tury i prikladnogo iskusstva juznykh kirgizov; no materialiam, sobrannym v juznoi chasti Oshskoi oblasti Kirgizskoi SSR. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 285 p.
- KIRGHIZISTAN—FORESTS AND FORESTRY**
Prutenskii, D. I., and IU. I. Nikitinskii. [Types of nut forests in southern Kirghizia] Tipy orekhovykh lesov Juznoi Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 128 p.
- KIRGHIZISTAN—INDUSTRIES**
Shirlazdanov, Sh. Kh. [Working class of Kirghizistan in the struggle for industrial development during the post-war years, 1946-1953] Rabochii klass Kirgizii v bor'be za razvitiie promyshlennosti v poslevoennye gody, 1946-1953. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 208 p.
- Sidorov, A. F.** [The industry of Kirghizistan] Industriia Kirgizstana. Frunze, Kirgizskoe gos. izd-vo, 1961. 77 p.
(CU)
- KIRGHIZISTAN—LABOR AND LABORING CLASSES**
Shirlazdanov, Sh. Kh. [Working class of Kirghizistan in the struggle for industrial development during the post-war years, 1946-1953] Rabochii klass Kirgizii v bor'be za razvitiie promyshlennosti v poslevoennye gody, 1946-1953. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 208 p.
- KIRGHIZISTAN—OBSTETRICS**
Development of obstetric aid in the Issyk-Kul' Valley in the Kirghiz S.S.R. N. E. Chernova. Sov. zdrav. Kir. no. 1:36-42 Ja-F '63.
- KIRGHIZISTAN—SKIN—DISEASES**
Reasons for dispensary service for skin disease patients. L. E. Pivnik. Sov. zdrav. Kir. no. 1:42-45 Ja-F '63.
- KIRGHIZISTAN—STOCK AND STOCKBREEDING**
Starodubtsev, V. S. [Specialization and intensification of animal husbandry on collective farms in Kirghizia] Spetsializatsiia i intensifikatsiia skotovodstva v kolkhovakh Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 77 p.
(DNAL)
- KIRGHIZISTAN—VENEREAL DISEASES**
Reasons for dispensary service for skin disease patients. L. E. Pivnik. Sov. zdrav. Kir. no. 1:42-45 Ja-F '63.
- KIRGHIZISTAN—WALNUT**
Prutenskii, D. I., and IU. I. Nikitinskii. [Types of nut forests in southern Kirghizia] Tipy orekhovykh lesov Juznoi Kirgizii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 128 p.
- KIROV, SERGEI MIRONOVICH, 1886-1934**
Kirov with the "Terek." L. Kafanova. Ogonek 40 no. 49:5 D '62.
- KIROV—LIBRARIES**
Let's hunt for better ways. S. Matilna. Bibliotekar' no. 3:30-33 Mr '63.
Named for Herten, K. Volkianskii. Bibliotekar' no. 3: 22-27 Mr '63.
- KIROV PROVINCE—LIBRARIES**
Let us coordinate our efforts. V. Kobel'kova. Bibliotekar' no. 3:28-30 Mr '63.
- KIROVAKAN—TEXTILE FIBERS, SYNTHETIC**
I do not want another fate... Nina Verina, Iurii Krivonosov. Ogonek 41 no. 11:4-5 Mr '63.
- KIRSHON, VLADIMIR MIKHAILOVICH, 1902-1938**
Kirshon, V. M. [V. M. Kirshon; articles and speeches about playwriting, the theater, and motion pictures. V. M. Kirshon's plays on the stage. Reminiscences about V. M. Kirshon] V. M. Kirshon; stat'i rochi o dramaturgii, teatre i kino. Presy V. M. Kirshona na stsene. Vospominaniia o V. M. Kirshone. Moskva, Iskustvo, 1962. 293 p. (MH)
- KISELEV, SERGEI VLADIMIROVICH, 1865-1908**
In memory of Sergei Vladimirovich Kiselev. If T. S. Passek. Krat. soob. Inst. arkh. no. 8: '62.
- KISHINEV—RESTAURANTS, LUNCHROOMS, E'**
Golden ear. Nikita Bolotnikov. Sov. Soizuz no. '63.
- KISHINEV—TRANSPORTATION—TIMETABLES**
Russia (1923- U. S. S. R.) Glavnoe upravlenie zhdanskogo vozdukhogo flota. [Timetables for of transportation from Kishinev] Raspisanie i ysekh vidov transporta iz Kishineva. Kishinev 61 p.
- [MICRO
- KIZEL—COAL MINES AND MINING—MANAGEMENT**
Price of mismanagement. N. Ivanov. Sov. prod. 19 no. 6:24-25 Mr '63.
- KIZEL BASIN—HYDRAULIC CONVEYING**
Practice of using pressureless hydraulic transport in Mine No. 76/75. V. V. Ivakin, G. N. Khrushchev. Trudy Inst. gor. dela UFAN SSSR no. 3:95-99 '62.
- KIZEL BASIN—HYDRAULIC MINING**
Breaking coals with high-pressure water jets. I. Shukuturov. Trudy Inst. gor. dela UFAN SSSR 19-22 '62.
Flowsheet of an experimental section and the method of industrial testing of the hydraulic mining Mine No. 76/75 of the Kizel Basin. G. N. Khrushchev. Trudy Inst. gor. dela UFAN SSSR no. 3:23-27 '62.
Hydraulic method of working thin and medium-th seams under the conditions of the Kizel Basin. Shukuturov, G. N. Khrushchev. Trudy Inst. gor. dela UFAN SSSR no. 3:115-118 '62.
Study of the hydraulic breaking of coal in a steeply dipping seam of the mining system for a steeply dipping seam. G. N. Khrushchev, I. S. Kuklin, I. N. Sidorov. Trudy Inst. gor. dela UFAN SSSR no. 3:28-38 '62.
Study of the hydraulic breaking of coal on the working face of development workings. G. N. Khrushchev. Trudy Inst. gor. dela UFAN SSSR no. 3:39-43 '62.
- KLYSTRONS**
Kublanovskii, I. A. S., and M. M. Sariban. [Klystron generator. UIP-4K impulse device for determining uniformity of the characteristic impedance of a cable] Klistronnyi generator. Impul'snyi pribor UIP-4k dlia opredeleniia odnorodnosti volnovogo soprotivleniia konksln'nogo kabelia. [By] G. V. Dem'ianchenko. Moskva, Filial Vses. in-lia na tekhn. informatsii, 1962. 14 p. (Peredovoi tekhnicheskii i proizvodstvennyi opyt. Tema 36 No. P-58-36/6)
- KNIT GOODS**
Smirnov, L. S., and others. [Pattern design for goods] Konstruirovaniie trikotazhnykh izdelii. Rostekhzdat, 1962. 187 p.
- KNITTING MACHINES**
Effect of the speed of the yarn sliding along guide tension. V. N. Garbaruk. Izv. vys. ucheb. zav. i log. prom. no. 1:158-161 '63.
Mil'chenko, I. S. [Fundamentals of the design of knitting machines] Osnovy proektirovaniia trikotazhnykh mashin. Moskva, Rostekhzdat, 1962. 22 p.
- KNOWLEDGE, THEORY OF**
"Intuition and science" [in English] by M. Bunge. Reviewed by V. S. Shvyrkov. Vop. filos. 17 no. 3 '63.
Kasymzhanov, A. Kh. [Problem of the coincidence of dialectics with logic and the theory of knowledge on V. I. Lenin's "Philosophical notebook"] Proti sovpadeniia dialektiki, logiki i teorii poznaniia: sofskim tetradiam V. I. Lenina. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 107 p.
- KOBEL'EV, ALEKSANDR VASIL'EVICH, 1860-1904**
The architect A. V. Kobel'ev. Stroi i arkh. 10 no. 35 J1 '62.
- KOBYAY DISTRICT—PASTURES AND MEADOWS**
Meadows in the western part of Kobay District. Galaktionova. Nauch. soob. IAFAN SSSR no. 3:6 '60.
- KOCH'S LYMPH** see Tuberculin
- KOKCHETAV PROVINCE—LABOR REST HOMES**
In a cooperative rest home. D. Mikhailov. Koop. 5 no. 1:35-36 Ja '63.
- KOLA PENINSULA—GEOCHEMISTRY**
Landform characteristics and geochemical features of highland tundras in the Kola Peninsula [with summary in English]. V. V. Dobrovolskii. Pochvovedenie 29 32 F '63.
- KOLA PENINSULA—KYANITE**
Bel'kov, L. V. [Kyanite schists of the Koyv series geology, crystalline schists, and kyanite ores] Koyvye slantsevyye skaly; geologicheskoe stroenie, kristallicheskie slantsevyye i kyanitovyye rudy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 319 p.

KOLA PENINSULA—MARINE BIOLOGY

Northernmost in the land. V. Minkevich. Nauka i zhizn' 20 no. 12:64b-64c D '62.

KOLA PENINSULA—MINES AND MINERAL RESOURCES

"Tietta." K. Levitin, A. Melamed. Vokrug sveta no. 3: 1-5 Mr '63.

KOLA PENINSULA—SOIL MICRO-ORGANISMS

Aerobic cellulose bacteria of northern soils [with summary in English]. R. A. Zhukova. Mikrobiologiya 31 no. 6:1054-1060 N-D '62.

KOLA PENINSULA—TUNDRAS

Landform characteristics and geochemical features of highland tundras in the Kola Peninsula [with summary in English]. V. V. Dobrovolski. Pochvovedenie no. 2:25-32 F '63.

KOLAS, IAKUB see Mitskevich, Konstantin Mikhailovich, 1892-1956

KOLKHOZES see Collective farms

KOLOMICHENKO, MIKHAIL ISIDOROVICH, 1892-

Great heart of a surgeon; on M. I. Kolomichenko's 70th birthday. Vladimir Garin. Sov. Ukr. 12 no. 12:110-116 D '62.

KOLOMNA—DIESEL LOCOMOTIVES

Following the call of your heart. V. Belov. NTO 5 no. 4:26-27 Ap '63.

KOLYMA VALLEY—GEOLOGY, STRATIGRAPHIC

Some problems of Cenozoic stratigraphy and paleogeography in the lower Kolyma Valley. S. F. Bliske. Geol. i geofiz. no. 12:96-100 '62.

KOLYMA VALLEY—PALEOGEOGRAPHY

Some problems of Cenozoic stratigraphy and paleogeography in the lower Valley. S. F. Bliske. Geol. i geofiz. no. 12:96-100 '62.

KOMI A.S.S.R.—GAS, NATURAL

Gas field of communist labor. E. I. A. Viktorovich. Neftianik 7 no. 7:26 JI '62.

KOMI A.S.S.R.—LUMBERING

Volunteer Office of Technological Information. V. Modinov. Les. prom. 41 no. 1:29-30 Ja '63.

KOMI A.S.S.R.—PETROLEUM MINING

Twenty-fifth anniversary of the first petroleum mine. G. Popov. Neftianik 8 no. 1:12-13 Ja '63.

KOMSOMOLSK-ON-AMUR—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

Increase control over the cost of construction and assembly work. A. Ganchev. Bukhg. uch. 20 no. 3: 50-51 Mr '63.

KONDARA GORGE—TREES

Effect of light intensity on the photosynthesis of some trees in the central mountains of Tajikistan [with summary in German]. S. Makhmadbekov. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 1:36-40 '62.

Photosynthesis of mesophilous and xerophilous trees of the Kondara Gorge [with summary in German]. I. U. S. Nasayrov. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 1:10-35 '62.

KONDARA GORGE—TREES—WATER REQUIREMENTS

Water balance of the dominant species of some types of woody plants in the Kondara Gorge [with summary in German]. K. P. Rakhmanina. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 1:41-75 '62.

KONDROVO (KALUGA PROVINCE)—PAPER INDUSTRY—AUDITING AND INSPECTION

People's eyes. M. Kosarev. Parl. zhizn' no. 7:33-35 Ap '63.

KONOPNICKA, MARIA, 1842-1910—BIBLIOGRAPHY—Bibliography—Konopnicka, Maria, 1842-1910

KOPET-DAG REGION—WATER, UNDERGROUND

Kalugina, O. I. A. [Malm-Neocomian water in the southern part of the Caspian artesian basin (western Kopet-Dag slope)] Malm-neokomskii vodonapornyi kompleks Iuzhno-kaspijskogo artzijskogo basseina (Zapadno-kopetdagskii sklon). Ashkhabad, Izd-vo Akad. nauk Turkmenской SSR, 1962. 28 p.

KOPYL DISTRICT—AGRICULTURE—ECONOMIC ASPECTS

"Capital reproduction on collective farms" by V. V. TSakunov. Reviewed by N. Sukhi, E. Ryzhenkov. Komm. Bol. 36 no. 5:70-72 My '62.

KOREA, NORTH—AGRICULTURE, COOPERATIVE

Kim, V. A. [Role of the state and law in the socialist reorganization of agriculture in the people's democracies; based on the experience of the Korean People's Democratic Republic] Rol' narodno-demokraticheskogo gosudarstva i prava v sotsialisticheskom preobrazovanii sel'skogo khoziaistva; na opyte Koreiskoi Narodno-Demokraticheskoi Respubliki. Alma-Ata, Izd-vo AN KazSSR, 1962. 311 p.

KOREA, NORTH—ECONOMIC CONDITIONS

Shabshina, F. I. [Socialist Korea; the forms of the manifestation of the general laws of the building of socialism in the Korean People's Democratic Republic] Sotsialisticheskaya Koreia; o formakh proiavlennia v KNDR obshchikh zakonomernostei stroitel'stva sotsializma. Moskva, Izd-vo vostochnoi lit-ry, 1963. 197 p.

KOREA, NORTH—POLITICS AND GOVERNMENT

Shabshina, F. I. [Socialist Korea; the forms of the manifestation of the general laws of the building of socialism in the Korean People's Democratic Republic] Sotsialisticheskaya Koreia; o formakh proiavlennia v KNDR obshchikh zakonomernostei stroitel'stva sotsializma. Moskva, Izd-vo vostochnoi lit-ry, 1963. 197 p.

KOREAN LANGUAGE—WORDS

Nikol'skii, L. D. [Auxiliary words in the Korean language] Sluzhbynye slova v koreiskom iazyke. Moskva, Izd-vo vostochnoi lit-ry, 1962. 179 p.

KOREN', TAISSIA

Doctor and champion in sports. A. Reznikov. Voen. znan. 39 no. 2:29 F '63.

KORENEVICH, IVAN ANDREEVICH, 1891-

Ivan Andreevich Korenevich; on his seventieth birthday. Oft. zhur. 17 no. 7:447-448 '62.

KORNENKO, NIKOLAI IOSIFOVICH

Continuation of the heroic deed. F. Moskaev. Voen. znan. 39 no. 2:9-10 F '63.

KOROLENKO, VLADIMIR GALAKTIONOVICH, 1853-

1921 V. G. Korolenko's diaries, 1904-1917. IE, I. Hibet. Rad. lit. 7 no. 1:123-126 Ja-F '63.

KORZHEV, GELII

Criterion of an artist. IU. Bychkov, V. Voronov. Ogonek 41 no. 11:8-9 Mr '63.

KOSTOVICH, OGNESSLAV IGNATI STEPANOVICH, 1851-

1916 Engine rushing into the skies. D. Urkov. IU. tekhn. 7 no. 3:70-73 Mr '63.

KOSTROMA—MACHINERY INDUSTRY—AUDITING AND INSPECTION

Public control over enterprise operations. N. Kurliukov. Bukhg. uch. 20 no. 3:12-14 Mr '63.

KOSTROMA—TEXTILE INDUSTRY—AUDITING AND INSPECTION

Public control over enterprise operations. N. Kurliukov. Bukhg. uch. 20 no. 3:12-14 Mr '63.

KOSTROMA—TEXTILE INDUSTRY—MANAGEMENT

Director's office and duty. I. Bol'shakov. Sov. profsoyuz 19 no. 0:6-7 Mr '63.

KOSTROMA PROVINCE—LAW—STUDY AND TEACHING

Legal studies of judges and court employees. A. Prolov. Sov. iust. no. 6:17 Mr '63.

KOTILAREVS'KYI, IVAN, 1769-1838

Traditions of puppet shows in the plays of I. Kotilarevskiy and V. Gogol'. M. S. Hrytsol. Rad. lit. 7 no. 1: 105-113 Ja-F '63.

KOZYREV, NIKOLAI ALEKSANDROVICH

How to love our globe? Evgenii Rein. Smena 40 no. 4: 12-13 F '63.

KRAMATORSK—MACHINERY INDUSTRY WORKERS

Promoting workers' traditions. V. Shvertsait. Voioy, atlet 3 no. 3:31-32 Mr '63.

KRAMATORSK—WAGES—MACHINERY INDUSTRY WORKERS

Practice in using group wage systems. G. Gorelov, M. Shramchenko. Sots. trud 8 no. 3:77-78 Mr '63.

KRASNODAR—CLINICS

Quality of examination and treatment of patients suffering from neurological diseases in a polyclinic. V. P. Kitenko. Zdrav. Ros. Feder. 7 no. 3:21-22 Mr '63.

KRASNODAR—NEUROLOGY

Quality of examination and treatment of patients suffering from neurological diseases in a polyclinic. V. P. Kitenko. Zdrav. Ros. Feder. 7 no. 3:21-22 Mr '63.

KRASNODAR REGION—HOISTING MACHINERY

Improve lowering and hoisting mechanisms. M. O. Ashraf'ian, S. A. Rhabokon'. Neftianik 7 no. 7:13-14 JI '62.

KRASNODAR TERRITORY—LEPTOSPIROSIS

Cases of leptospirosis of the canicola type in Krasnodar Territory. I. A. S. Pankovitch-Diamant, E. M. Popova. Trudy Len. inst. epid. i mikrobiol. 23:256-260 '61.

KRASNODAR TERRITORY—SEISMIC PROSPECTING

Reflecting capacity of water-oil and water-gas contacts of some fields in Krasnodar Territory. E. E. Zemstvo. Razved. i prom. geofiz. no. 46:3-6 '62.

KRASNODAR TERRITORY—SOILS

Establishing soil groups in Krasnodar Territory for agricultural purposes [with summary in English]. V. F. Val'kov. Pochvovedenie no. 3:71-76 Mr '63.

KRASNOYARSK—AIRPORTS—BUILDINGS

Piezometric method of determining displacements of structural elements. S. V. Orlov. Prom. stroi. 40 [i.e. 41] no. 3:36-40 Mr '63.

KRASNOYARSK HYDROELECTRIC POWER STATION

We'll master you, Yenisey! G. Koposov. Ogonek 41 no. 11:2 of cover, 1 Mr '63.

KRASNOYARSK REGION—PARASITES—BLACK FLIES

Infestation of black flies (Simuliidae, Diptera) with parasites and its effect on the function of ovaries [with summary in English]. N. K. Shipilina. Zool. zhur. 42 no. 2:281-294 '63.

KRASNYI LIMAN—RAILROADS—MANAGEMENT

Success lies in the dynamic work of the communists. V. Stvolob. Part. zhizn' no. 6:30-34 Mr '63.

KRIVOY ROG BASIN—GEOLOGY, STRUCTURAL

Results of experimental seismic studies of the internal structure of the crystalline basement in the northern part of the Krivoy Rog Basin. V. B. Sollogub and others. Geofiz. sbor. no. 1:24-31 '62.

KRIVOY ROG BASIN—IRON ORES

[Geology of Krivoy Rog iron-ore deposits] Geologiya Krivorozhskikh zhelezorudnykh mestorozhdenii. Kiev, Izd-vo Akad. nauk USSR.

Vol. 1. [General problems in the geology of the Krivoy Rog Basin. Geology and iron ores of the deposits of the "Ingulets," Rakhmanovo, and Il'ich Mines] Obshchie voprosy geologii Krivbasa. Geologicheskoe stroenie i zheleznye rudy mestorozhdenii rudnikov "Ingulets," Rakhmanovskogo i im. Il'icha, 1962. 479 p.

KRIVOY ROG BASIN—MINE HAULAGE

Transporting men, rocks, and material in sinking inclined shafts. I. D. Shtefan, M. S. Sorin. Shakht. stroi. 7 no. 4:9-10 Ap '63.

KRIVOY ROG BASIN—MINE TIMBERING

Mechanization of the operations in erecting concrete supports in haulage horizons. I. M. Korolev. V. I. A. Litvinov, I. P. Gribanov. Shakht. stroi. 7 no. 2:17-18 F '63.

KRIVOY ROG BASIN—MINING ENGINEERING—SAFETY MEASURES

Now the success has been obtained. I. F. Ivashov. Bezop. truda v prom. 7 no. 3:28-29 Mr '63.

KRIVOY ROG BASIN—MINING GEOLOGY

[Geology of Krivoy Rog iron-ore deposits] Geologiya Krivorozhskikh zhelezorudnykh mestorozhdenii. Kiev, Izd-vo Akad. nauk USSR.

Vol. 1. [General problems in the geology of the Krivoy Rog Basin. Geology and iron ores of the deposits of the "Ingulets," Rakhmanovo, and Il'ich Mines] Obshchie voprosy geologii Krivbasa. Geologicheskoe stroenie i zheleznye rudy mestorozhdenii rudnikov "Ingulets," Rakhmanovskogo i im. Il'icha, 1962. 479 p.

KRIVOY ROG BASIN—ROCKS—TESTING

Determination of some mechanical characteristics of rocks in the Krivoy Rog Basin. R. I. Teder. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:3-7 '62.

KRIVOY ROG BASIN—SEISMIC PROSPECTING

Results of experimental seismic studies of the internal structure of the crystalline basement in the northern part of the Krivoy Rog Basin. V. B. Sollogub and others. Geofiz. sbor. no. 1:24-31 '62.

KRIVOY ROG BASIN—STRIP MINING

Construction of the Pervomal open-pit mine. N. N. Sergeev and others. Shakht. stroi. 7 no. 4:25-26 Ap '63.

KRONSTADT—CITY PLANNING

In Kronstadt, city of Russian naval glory. Stroi. i arkh. Len. 24 no. 1:34 Ja '62.

KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1869-1939

N. K. Krupskaya on the Pioneer movement in the light of the problems of training the younger generation. S. A. Litvinov. Sov. pedagog. 27 no. 2:98-103 F '63.

N. K. Krupskaya on the school study of local history and geography. P. I. Pidkasiyati. Sov. pedagog. 27 no. 2: 104-112 F '63.

KUBAN—ARTISTS

Trusova, S. E. [Artists of the Kuban] Khudozhniki Kubani. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1950. 64 p.

KUBAN—GEOLOGY, STRUCTURAL

Division of the southern part of the Ukraine and the Kuban into tectonic districts based on geophysical data. V. B. Sollogub. Geofiz. sbor. no. 1:3-10 '62.

- KUBAN—HYDRAULIC ENGINEERING**
The hydroelectric development in the Kuban goes into operation. F. I. Anovskaya. Sel'. stroi. 17 no. 2:4-5 F '63.
- KUBAN—PEDDLERS AND PEDDLING**
Struggle for a rich harvest is a nationwide concern. V. Bondarenko, I. Tolstykh. Sov. potrebn. 7 no. 4:5-7 Ap '63.
- KUBAN-AZOV LOWLAND—GEOLOGY, STRUCTURAL**
Origin and initial stages of the development of the Kuban-Azov trough. A. V. Chukunov. Geofiz. sbor. no. 2:97-106 '62.
- KUDRIASHOV, KONSTANTIN VASIL'EVICH, 1885-1962**
K. V. Kudriashov; obituary. Vop. ist. 38 no. 3:217 Mr '63.
- KULEMIN, VASILII LAVRENT'EVICH, 1921-1962**
In memory of our friend. Ogonek 40 no. 50:8 D '62.
"Only about my love for you" by Vasilii Kulemin. Reviewed by Boris Ivanov. Ogonek 41 no. 3:25 Ja '63.
- KURCHATOV, IGOR' VASIL'EVICH, 1903-1960**
Igor' Vasil'evich Kurchatov. E. R. Abchikov. Tekh. mol. 31 no. 1:12 '63.
Kurchatov's heroism. Vladimir L'vov. Ogonek 41 no. 4:17 Ja '63.
A session honoring I. V. Kurchatov. Vest. AN SSSR 33 no. 3:138-139 Mr '63.
- KURDISH LANGUAGE—VERB**
T. Sukerman, I. L. [Outline of Kurdish grammar; Kurmanji verbal forms] Ocherki kurdskei grammatiki; glagol'nye formy Kurmandzhi. Moskva, Izd-vo vostochnoi lit-ry, 1962. 238 p.
- KURGANINSK DISTRICT—PEAS**
Green peas culture in the area of the Kurganinsk Canning Plant. B. A. Ialioian. Kons. i ov. prom. 18 no. 3:31-33 Mr '63.
- KURILE ISLANDS—ALUMINUM**
Geochemistry of aluminum and titanium in the areas of volcanic activity in island arcs. K. K. Zelenov. Sov. geol. 6 no. 3:61-81 Mr '63.
- KURILE ISLANDS—DESCRIPTION AND TRAVEL**
Kurile Islands landscapes. V. Glippenreiter. Sov. Soluz no. 2:22-23 '63.
- KURILE ISLANDS—GEOCHEMISTRY**
Geochemistry of aluminum and titanium in the areas of volcanic activity in island arcs. K. K. Zelenov. Sov. geol. 6 no. 3:61-81 Mr '63.
- KURILE ISLANDS—LIVESAVING**
Border patrol hastens to their aid. A. Lebedev. Smena 40 no. 4:4-5 F '63.
- KURILE ISLANDS—TITANIUM ORES**
Geochemistry of aluminum and titanium in the areas of volcanic activity in island arcs. K. K. Zelenov. Sov. geol. 6 no. 3:61-81 Mr '63.
- KURILE ISLANDS—VOLCANOES**
Mysteries of the Kurile range. E. Markhinin. Smena 40 no. 1:16-17 Ja '63.
- KURILE ISLANDS—ZOOLOGY**
On uninhabited islands. Vadim Glippenreiter. Smena 39 no. 24:29 D '62.
- KURILE ISLANDS REGION—EARTH—SURFACE**
Characteristics of subsurface geology of the transition zone from the Asian continent to the Pacific Ocean in the Kurile-Kamchatka island arc region. O. N. Solov'ev, A. G. Gaiyanov. Sov. geol. 6 no. 3:113-123 Mr '63.
- KURSK—TEXTILE FIBERS, SYNTHETIC**
Let's bring the chemical enterprises to maximum output. L. Bykova. Part. zhizn' no. 7:44-47 Ap '63.
- KURSK MAGNETIC ANOMALY—MINE TIMBERING**
Technical requirements and reference data for designing the supports for vertical shafts in the Yakovlev Mine. G. A. Krupenkov, V. F. Drobyshev, N. A. Filatov. Shkht. stroi. 7 no. 2:10-15 F '63.
- KUSTANAY PROVINCE—AGRICULTURAL GEOGRAPHY**
Agricultural regions of Kustanay Province, the Virgin Territory. A. A. Periseva, T. A. Solovisova. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:11-18 Mr-Ap '63.
- KUSTANAY PROVINCE—ORE DEPOSITS**
Exploration of the Dzhetysay complex deposit. V. V. Stefanovich. Mat. GKZ no. 2:100-103 '61.
- KUYBYSHEV—AUTOMOBILE INDUSTRY**
Characteristics of our contemporaries. NTO 5 no. 4: 19-21 Ap '63.
- KUYBYSHEV—PAYMENT**
From the practice of centralized accounting for payments. G. Reptin, N. Kantorov. Bukhg. uch. 20 no. 2:55-56 F '63.
- KUYBYSHEV HYDROELECTRIC POWER STATION**
see Volga Hydroelectric Power Station (Lenn)
- KUYBYSHEV PROVINCE—BOOKSELLERS AND BOOK-SELLING**
Give every store its own selection. A. Krop. Sov. knizh. torg. 14 no. 2:6-8 F '63.
- KUYBYSHEV PROVINCE—TECHNOLOGICAL INNOVATIONS**
Give full range to creative activity. D. Lysenko. NTO 5 no. 4:8-11 Ap '63.
- KUYBYSHEV RESERVOIR—FISHES**
Wintering conditions for fishes in the Cheremshan and Suskan Bays of Kuybyshev Reservoir. N. N. Guseva, I. V. Sharonov. Biol. inst. biol. vodokhran. no. 12:45-49 '62.
- KUYBYSHEV RESERVOIR—LEECHES**
A study on leeches of Kuybyshev Reservoir. E. I. Lukin. Biol. inst. biol. vodokhran. no. 12:30-31 '62.
- KUZHAM'AROV, KUDDUS, 1918-**
Aravin, P. A. Kuddus Kuzham'arov. Moskva, Sovetskii kompozitor, 1962. 45 p.
- KUZNETSK ALA-TAU—PORPHYRITES**
Feldspathic picrite-porphyrites of the Uybatskiy pluton (Kuznetsk Ala-Tau). N. A. Okhapkin. Dokl. AN SSSR 149 no. 4:948-950 Ap '63.
- KUZNETSK BASIN—BORING MACHINERY—EQUIPMENT AND SUPPLIES**
Adjusting device for long-stroke drills. A. N. Volkov, N. A. Belan. Sbor. KuzNIUI no. 8:5-22 '61.
- KUZNETSK BASIN—COAL**
Coking coal from Eastern regions in extra narrow coke oven chambers. L. I. Erkin. Koks i khim. no. 3:18-22 '63.
- KUZNETSK BASIN—COAL MINES AND MINING**
Conveyor gallery 90m long completed in a month with the PK-3 cutter-loader. P. A. Kolmogorov. Shkht. stroi. 7 no. 4:18-19 Ap '63.
- KUZNETSK BASIN—COAL MINES AND MINING—ACCIDENTS**
Sudden water inrush at the "Taibinskaya" Mine. I. A. Z. Rashkovskii. Bezop. truda v prom. 7 no. 3:11-12 Mr '63.
- KUZNETSK BASIN—COAL MINES AND MINING—SAFETY MEASURES**
Labor safety in combined mining with flexible shields. L. S. Sen'ko, L. P. Tomashevskii. Bezop. truda v prom. 7 no. 3:4-5 Mr '63.
- KUZNETSK BASIN—COAL MINING MACHINERY**
Over-all mechanization of upraising in steep seams of the Kuznetsk Basin. I. A. Ushakov, I. U. K. Altkin. Sbor. KuzNIUI no. 8:23-45 '61.
- Use of coal sows in Kuznetsk Basin mines. A. P. Shirokov, A. P. Kostarev, V. I. Kotlakhov. Bezop. truda v prom. 7 no. 3:71-72 Mr '63.
- KUZNETSK BASIN—CONSTRUCTION INDUSTRY**
Development of industrial construction in the Kuznetsk Basin. V. I. Zaluzhnyi. Prom. stroi. 41 no. 2:4-8 F '63.
- KUZNETSK BASIN—CONVEYING MACHINERY**
Automatic control of conveyor lines with two branches. E. P. Abramisev, A. D. Vasil'ev. Sbor. KuzNIUI no. 8: 155-160 '61.
- KUZNETSK BASIN—FANS, ELECTRIC**
Results of industrial tests of the ASV-5 apparatus for automatically controlling reversible fans used in pits. S. S. Bogutskii and others. Sbor. KuzNIUI no. 8:120-136 '61.
- KUZNETSK BASIN—INDUSTRIAL PLANTS**
Development of industrial construction in the Kuznetsk Basin. V. I. Zaluzhnyi. Prom. stroi. 41 no. 2:4-8 F '63.
- KUZNETSK BASIN—LOADING AND UNLOADING**
Searching for efficient means of automatic loading and unloading cars in loading them from the bunker. S. V. Malevanala. Sbor. KuzNIUI no. 8:63-85 '61.
- KUZNETSK BASIN—MINE DRAINAGE**
Practice of exploiting automatic drainage apparatus in the Kuznetsk Basin. L. I. Tarasovich. Sbor. KuzNIUI no. 8: 115-119 '61.
- KUZNETSK BASIN—MINE RAILROADS—EQUIPMENT AND SUPPLIES**
Comparative experimental studies of electrohydraulic and electric pushers. S. V. Malevanala. Sbor. KuzNIUI no. 8:46-62 '61.
- KUZNETSOV, NIKOLAI DMITRIYEVICH, 1923-**
El'kovich, L. A. Nikolai Dmitriyevich Kuznetsov. Moskva, Sovetskii khudozhnik, 1962. 73 p. plates. (MH)
- KUZNETSOV FAMILY**
Family enthusiasm. I. Alekhin. Ogonek 41 no. 10:11 Mr '63.
- KYANITE** see subdivision under Kola Peninsula
- KYZYL KUM—FORAGE PLANTS**
Some results of sowing wild forage plants in the southwestern Kyzyl Kum area. A. Alimdzhanov. Vop. biol. i kraev. med. no. 3:17-26 '62.
- LABELING MACHINES**
Automatic machine for stamping and labeling cylindrical objects. M. S. Vasil'chishin. Sbor. izobr. v ryb. prom. za 1958 g. 4:7-82.
Universal machine for labeling fish cans. V. N. Gultayev, V. A. Voronina. Sbor. izobr. v ryb. prom. za 1959 g. 4:4-87.
- LABELS**
Preparation of labels. V. V. Semeniuk. Farmats. zh. 17 no. 4:60 '62.
- LABOR (OBSTETRICS)**
Complications in births of a large fetus and measures for their decrease. M. I. Shenberg. Trudy Kish. g. n. med. inst. 13:183-186 '60.
- LABOR AND LABORING CLASSES**
(see also subdivision under European Economic Community Countries; Germany, West; Israel; Italy; Korea; Kirghizistan; Latin America; Moscow; Sverdlovsk; Ukraine; Ukraine, Western; United States)
"Brief history of the Russian labor movement, from 1861 to 1917" by V. E. Bystrov and others. Reviewed by A. V. Krasov, L. V. Shirikov. Vop. ist. KPSS 7 no. 3:115-118 Mr '63.
[Class struggles are shaking the capitalist world; A new surge of the revolutionary worker's movement] Klassovye bitvy sotrasnuli mir kapitala; novyi pod'om revoliutsionnogo rabocheho dvizheniya. [Moskva] Profizdat, 1962. 334 p.
Growing number of Soviet workers in 1953-1961 [with summary in English, p. 210]. M. P. Kim, S. I. Sushakov. Vop. ist. 38 no. 3:3-21 Mr '63.
"History of the international labor and national liberation movement." Vol. 2 (1917-1939). Reviewed by G. G. Kuranov. Nov. i noveish. ist. no. 2:148-150 '63.
Methods and some results of studying the sociological problem "How Soviet workers use their time." M. I. Goncharenko and others. Nauch. dokl. vyzh. shkoly (Moskva), nauki 6 no. 1:20-30 '63.
Novikov, S. N. [Communist initiative as a principle of communism] Obshchestvennoye nachalo - nachalo kommunizma. Moskva, Profizdat, 1962. 102 p. (Massovaya biblioteka rabocheho)
- Pauperization of workers in capitalist countries. V. Alekseev. Komm. Bel. 30 no. 5:37-43 My '62.
- Readers relate, advise and criticize. Sov. profsoyuz 19 no. 6:16-17 Mr '63.
- Story about two Communist Youth League passers. Eduard Zvonitskii. Smena 40 no. 5:1-3 Mr '63.
- Textbooks of life and work. V. Blazhenov. V mire knig 3 no. 3:15 Mr '63.
- Vladimirov, I. N. [To the Russian worker] K russkomu rabochemu. Buenos Aires, Izd-vo Lit. fonda narodnoi monarkhii, 1961. 27 p. (NNC)
- The working class is the leader of the society. A. Vishniakov. Polit. samooobr. 7 no. 2:23-32 F '63.
- Zak, S. E. [The masses and their character and activities in a socialist society] Narodnoye massy i kharakter ikh deiatel'nosti v sotsialisticheskoy obshchestve. [L'vov] Izd-vo L'vovskogo univ., 1962. 289 p.
- LABOR AND LABORING CLASSES—BIBLIOGRAPHY** see Bibliography—Labor and laboring classes
- LABOR AND LABORING CLASSES—DWELLING**
(see also subdivision under United States)
How the housing problem is solved in the U.S.S.R. A. Zhuravlev, V. Rabinovich. Zhil. - kom. khoz. 13 no. 2:10-11 '63.
- LABOR AND LABORING CLASSES—EDUCATION**
(see also subdivision under Leningrad)
Activities of the Russian Technical Society in the field of workers' education. B. G. Korol'. Sov. pedagog. 27 no. 3:131-139 Mr '63.
Brief news. Polit. samooobr. 7 no. 2:143-144 F '63.
- LABOR AND LABORING CLASSES—MEDICAL CARE**
see subdivision under Chelyabinsk
- LABOR AND LABORING CLASSES—STATISTICS**
Balance of labor and working time. V. Kostakov, P. Litvinov. Sots. trud 8 no. 3:11-18 Mr '63.
- LABOR COURTS**
(see also subdivision under Lithuania)
How our public helps to maintain socialist law and order. G. Krutlin, D. Gavrilenko. Komm. Bel. 36 no. 5:44-50 My '62.
- LABOR DISCIPLINE**
An interesting document showing how Russian workers struggled for the uninterrupted work of industrial enterprises on the eve of the October Revolution. L. B. Genkin. Vop. ist. 38 no. 3:214-217 Mr '63.

LABOR DISCIPLINE (Continued)

Zadokhin, V. F. [Let the ground burn under their feet] *Pust' u nikh pod nogami gorit zemlia* [Tambov] Tambovskoe knizhnoe izd-vo, 1961, 20 p.

LABOR LAWS AND LEGISLATION

'Collected labor laws.' Reviewed by I. Dvornikov. *Sots. trud* 8 no. 3:153-155 Mr '63.
Survey of labor legislation. *Sots. trud* 8 no. 3:148-150 Mr '63.

LABOR PARTY (GREAT BRITAIN) see Great Britain—Labor party

LABOR PRODUCTIVITY

(see also subdivision under Kemerovo Province; Ukraine)

Iatukhin, I. L., and A. I. Kharitonov. [Potentials for increasing labor productivity in industrial enterprises] *Rezervy rosta proizvoditel'nosti truda na promyshlennykh predpriyatiakh*. Leningrad, Ob-vo po rasprostraneniю polit. i nauchn. znaniy RSFSR, 1962, 87 p.

Irpuksin, D. N. [The most important factor for the victory of communism] *Samoe glavnoe dlia pobedy kommunizma*. Moskva, Izd-vo "Znanie," 1963, 46 p. (Novoe v zhizni, nauke, tekhnike, III Seriya; Ekonomika, no. 4)

Planning the increase of labor productivity taking into consideration organizational and technical measures. *M. Zubritskii. Sots. trud* 8 no. 3:19-26 Mr '63.

LABOR PRODUCTIVITY—ACCOUNTING see Productivity accounting

LABOR REST HOMES see subdivision under Kokchetav Province

LABOR SUPPLY see subdivision under Germany, West

ACRIMAL ORGANS

Development and reduction of the lacrimonasal duct in *Ploureodes waltlii*. I. M. Medvedeva. *Dokl. AN SSSR* 148 no. 5:1215-1217 F '63.

ACRIMAL ORGANS—SURGERY

Restoration of the lacrimonasal canal in purulent dacryocystitis by the use of a tube from a heterogenic peritoneum. V. I. Kuleshov. *Trudy Kish. gos. med. inst.* 13:17-22 '60.

Surgical treatment of eversion and dislocation of the lower lacrimal punctum [with summary in English]. M. I. Starchak. *Oft. zhur.* 17 no. 7:437-439 '62.

ACTAMIDE

Synthesis of N-vinylactamide. B. M. Turkevych. *Farmatsev. zhur.* 17 no. 4:3-5 '62.

ACTIC ACID BACTERIA

'Bacteriophage of lactic acid Streptococci and their control in the dairy industry' by M. L. Nepomniashchala, L. I. Medvinskaya, L. A. Liberman. Reviewed by I. I. Rautenshtein. *Mikrobiologiya* 31 no. 6:1130-1133 N-D '62.

ACTONES

Study of the lactones of the large pasqueflower (*Pulsatilla grandis* Wenderoth). M. I. Kurylenko. *Farmatsev. zhur.* 17 no. 4:27-32 '62.

ADA, JOSEF, 1877-1957

Second father of Schweik. S. Vostokova. *Ogonek* 40 no. 50:24-25 D '62.

AKES see subdivision under Asia, Central; Kazakhstan; Soviet Central Asia; Ural Mountain region

AKES—TEMPERATURE

Temperature of lakes. A. M. Mkhitarian, M. G. Dagestanian. *Izv. AN Arm. SSR, Ser. fiz. i mat. nauk* 18 no. 1: 97-104 '63.

AMBLIASIS see Glaucoma

AMELIBRANCHIATA, FOSSIL see subdivision under Adycha Valley

AND, NATIONALIZATION OF see subdivision under Ukraine

AND TENURE

(see also subdivision under Algeria; Europe, Western; Rome; Volyn' Government; White Russia)

Subrovskii, S. M. [Stolypin's land reform; from the history of agriculture and peasantry in Russia at the beginning of the 20th century] *Stolypinskaya zemel'naya reforma; iz istorii sel'skogo khoziaistva i krest'ianskaya Rossiia v nachalo XX veka*. Moskva, Akad. nauk SSSR, 1963, 503 p.

Tereshyn, P. M. [Agrarian reforms of the Great October Socialist Revolution] *Agrarni perevorennia Volikoi Zhovtnevoi sotsialistichnoi revoliutsii*. Kyiv, Vyd-vo Akad. nauk URSR, 1962, 546 p.

ANDAU, LEV DAVIDOVICH, 1908-

Lev Landau, the Nobel prize laureate. N. Semenov. *Sov. Soizuz* no. 12:54-55 '62.

LANDFORMS

(see also subdivision under Carpathian Mountains; Perm Province; Ukraine; West Siberian Plain)

B. B. Polynov as the founder of the theory of the geochemistry of landforms; his 85th birthday [with summary in English]. E. P. Parfenova. *Pochvovedenie* no. 2:14-24 F '63.

Some theoretical problems in landform dynamics. N. A. Solntsev. *Vest. Mosk. un. Ser. 5: Geog.* 18 no. 2: 50-55 Mr-Apr '63.

LANDSCAPE GARDENING

(see also subdivision under Berezniki; Velikiye Lukki)

Zemlianitskii, L. T., I. A. Poltavskaya, and G. G. Zheldakova. [Preparing urban soils for landscaping] *Podgotovka gorodskikh pochvo-gruntov dlia ozeleneniia*. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962, 70 p. (DNAL)

LANGUAGE AND LANGUAGES

Baudouin De Courtenay, J. I. N. [Selected works on general linguistics] *Izbrannye trudy po obshchemu lyngvokoznaniu*. Moskva, Izd-vo Akad. nauk SSSR, Vol. 1, 1963, 382 p.

Kurylowicz, Jerzy. [Essays on linguistics. Translated from the Polish, French, English, and German] *Ocherki po lingvistyke; sbornik statei*. Moskva, Izd-vo inostr. lit-ry, 1962, 456 p.

Linguistic clock. A. Kondratov. *Znanie-sila* 38 no. 1: 12-14 Ja '63.

LANGUAGE AND LANGUAGES—AUDIO-VISUAL AIDS

Audio-visual aids for foreign language teachers. L. V. Shevchuk, E. A. Lisikhina. *Vest. vys. shkoly* 21 no. 4: 37-40 Ap '63.

Equipment at the service of a polyglot. A. Khodorov. *Znan. -sila* 38 no. 2:15-17 F '63.

LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

LANGUAGE AND LANGUAGES—ETYMOLOGY

At the cradle... V. Stepanov. *Znan. -sila* 38 no. 2:10-11 F '63.

How the words are born. F. Davydov. *Znan. -sila* 38 no. 2:11-12 F '63.

LANGUAGE AND LANGUAGES—STUDY AND TEACHING

Basic types and structure of foreign language lessons in grades 5-8. H. A. Turil. *Rad. shk.* 41 no. 1:84-87 Ja '63.

Editor's mail. *Sred.spets. obr.* 10 no. 3:22-27 Mr '63.

Foreign languages courses at a pedagogical institute. M. P. Dvorzhetskaia, P. V. Terent'ev. *Rad. shk.* 41 no. 2:82-84 F '63.

In the Ministry of Education of the Ukrainian S.S.R. *Rad. shk.* 41 no. 1:102-103 Ja '63.

Learn a foreign language in three months! T. Auerbach. *Znan. -sila* 38 no. 2:12-14 F '63.

Some fundamental problems of the methodology of foreign language instruction in secondary schools. A. A. Mironukhov, I. V. Rakhmanov. *Sov. pedagog.* 27 no. 2:59-60 F '63.

LANGUAGE AND RELIGION see Religion and language

LANGUAGES, ARTIFICIAL

First artificial language. I. U. Petrovskii. *Znan. -sila* 38 no. 2:18-19 F '63.

LANTHANUM COMPOUNDS

Complex formation of lanthanum with gluconic acid by the ion exchange method. N. A. Kostromina. *Zhur. neorg. khim.* 7 no. 7:1569-1564 Ji '62.

LANTHANUM HYDRIDES

Some properties of lanthanum and neodymium hydrides. V. I. Mikheeva, M. E. Kost. *Zhur. neorg. khim.* 7 no. 7: 1493-1499 Ji '62.

LANTHANUM OXIDES

Electrode properties and chemical stability of lithium silicate glasses containing barium and lanthanum oxides [with summary in English]. M. M. Shvits, N. V. Peshekhonova, T. V. Lipets. *Vest. LGU* 18 no. 4:160-162 '63.

LAOS—DESCRIPTION AND TRAVEL

Laos. I. Gutman, E. Iatsun. *Vokrug sveta* no. 3:32-33 Mr '63.

Road without words. L. Pochivalov. *Ogonek* 41 no. 12:20-21 Mr '63.

LAOS—POLITICS AND GOVERNMENT

Pavlovskii, V. V. [Laos in the fight for freedom] *Laos v bor'be za svobodu*. Moskva, Izd-vo vostochnoi lit-ry, 1963, 160 p.

LAPIS LAZULI

Lapis lazuli adornments and amulets among the 10th and 11th century nomads. T. I. Makarova. *Arkheol. sbor.* [Erm.] no. 4:127-134 '62.

LAPLACE TRANSFORMATION

Some problems in operational calculus based on a bilateral two-dimensional Laplace-Carson transformation. V. M. Chernov. *Izv. vys. ucheb. zav. i mat.* no. 2: 140-161 '63.

LAPSHING (BEREZHANY DISTRICT)—RELIGION

Joy wins. Anastasiia Lutsyv. *Komsom. zhizn'* no. 5:31-32 Mr '63.

LARCH—DISEASES AND PESTS see subdivision under Ukraine

LARYNX—CANCER

Cancerous diseases of the larynx and its first symptoms [in Azerbaijani with summary in Russian]. G. K. Aliev. *Azerb. med. zhur.* 40 no. 1:57-58 Ja '63.

LATEX

Floors made with latex cement. A. Domashevskii. *Stroi. i arkh.* 10 no. 7:21-22 Ji '62.

LATHES

Automatic eight-spindle lathe. V. M. Mednikov. *Mashino-stroitel'* no. 2:17 F '63.

Effect of structural components of a lathe and cutting conditions on the precision of shape and roughness of machined surface in fine turning. B. A. Gladkov, M. E. Iukhvid, V. M. Larionova. *Stan. i instr.* 34 no. 4:7-11 Ap '63.

Expanding technological potentialities of machine tools in machining conic surfaces. N. P. Labazov. *Vest. mashinostr.* 43 no. 3:54-57 Mr '63.

Mitrofanov, S. P., and N. G. Gubner. [Turrent lathes and their efficient use] *Revol'vornyie stanki i ikh ratsional'noe ispol'zovanie*. Moskva, Mashgiz, 1962, 349 p.

LATHES—ATTACHMENTS

Volosov, V. A. [Universal pneumatic attachments for turret and turning lathes] *Universal'nye pnevmaticheskie prilozheniia k revol'vornym i tokarnym stankam*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tem 10, No. M-58-145/20)

LATIN AMERICA—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Lovin, V. G. [U.S. A. and Latin America] *SShA i Latinskaya Amerika*. Moskva, Izd-vo "Znanie," 1963, 31 p. (Novoe v zhizni, nauke, tekhnike, VII Seriya; Mezhdunarodnaya, no. 6)

LATIN AMERICA—FOREIGN RELATIONS—CUBA

They protect the island of freedom. Oleg Ignat'ev. *Nov. vrem.* 20 no. 15:11-12 Ap '63.

LATIN AMERICA—FOREIGN RELATIONS—UNITED STATES

Friends and foes of Latin America. *Nov. vrem.* 20 no. 14:1-2 Ap '63.

LATIN AMERICA—HISTORY

"Latin America in the period from liberation to imperialism, 1810-1960" [in German]. Reviewed by A. M. Zorina. *Nov. i noveish. ist.* no. 2:165-166 '63.

LATIN AMERICA—LABOR AND LABORING CLASSES

A conference on the history of the labor and national liberation movement in Latin America. I. U. M. Grigor'ian. *Vop. ist.* 38 no. 3:166-167 Mr '63.

New stage of the national liberation and labor movements in Latin America. B. Ordynskii. *Mir. ekon. i mezhdunar. otn.* no. 3:151-153 '63.

LATIN AMERICA—POLITICS

A conference on the history of the labor and national liberation movement in Latin America. I. U. M. Grigor'ian. *Vop. ist.* 38 no. 3:166-167 Mr '63.

A conference on the national liberation movement in Latin America. N. S. Udanov. *Nov. i noveish. ist.* no. 2:179-180 '63.

Friends and foes of Latin America. *Nov. vrem.* 20 no. 14:1-2 Ap '63.

New stage of the national liberation and labor movements in Latin America. B. Ordynskii. *Mir. ekon. i mezhdunar. otn.* no. 3:151-153 '63.

LATIN-AMERICAN LITERATURE—HISTORY AND CRITICISM

A breeze precedes a storm... M. Zherdizovskaya. *Sov. Ukr.* 13 no. 2:165-170 F '63.

LATIN-AMERICAN STUDIES

(see also subdivision under Germany, East)

A conference on the national liberation movement in Latin America. N. S. Udanov. *Nov. i noveish. ist.* no. 2:179-180 '63.

LATIN LANGUAGE—HISTORY AND CRITICISM

Chistiakova, N. A., and N. V. Vulikh. [History of classical literature] *Istoriia antichnoi literatury*. [Leningrad] Izd-vo Leningr. univ., 1963, 298 p.

LATITUDE

New evaluation of the V. Struve method for the determination of latitude from observations with a transit instrument in the prime vertical [with summary in English]. V. V. Nesterov. *Astron. zhur.* 40 no. 2:373-381 Mr-Apr '63.

- LATVIA—ART AND INDUSTRY**
Pioneers of technical aesthetics. G. Danilenko. NTO 5 no. 2:27 F '63.
- LATVIA—CHILDREN—CARE AND HYGIENE**
On a search... I. Starostina. Sov. Kras. krest 12 no. 5:23 S-O '62.
- LATVIA—ECONOMIC CONDITIONS**
Latvian S.S.R. Centrala statistikas parvalde. [Development of the national economy of the Latvian S.S.R.; statistics] Latvijas PSR tautas saimniecības attīstība; statistisko datu krājums. Razvītie nacionālo khozaietva Latvijas SSR; statistiskie sborniki. Rīga, Valsts statistikas izdevniecība Latvijas nodala, 1962, 272 p. [Parallel texts in Latvian and Russian]
- LATVIA—FISH CULTURE**
Nauchno-issledovatel'skii institut rybnogo khozaietva. Konferentsia molodykh spetsialistov. [Conference of Young Specialists] Trudy, Rīga, Izd-vo Akad. nauk Latvijas SSR, 1962, 198 p.
- LATVIA—FISHERIES**
Nauchno-issledovatel'skii institut rybnogo khozaietva. Konferentsia molodykh spetsialistov. [Conference of Young Specialists] Trudy, Rīga, Izd-vo Akad. nauk Latvijas SSR, 1962, 198 p.
- LATVIA—HITCHHIKING**
Hitchhiking stations. E. Maltuzanis. Komsom. zhizn' no. 7:30-31 Ap '63.
- LATVIA—HOLIDAYS**
An important form of atheistic education. D. Sidorov, O. Poleshko-Poleski. Part. zhizn' no. 6:49-54 Mr '63.
- LATVIA—ORTHODOX EASTERN CHURCH—CLERGY**
[Orthodox clergy in Latvia, 1920-1940] Pravoslavnoe dukhovenstvo v Latvii, 1920-1940; sbornik dokumentov. Rīga, Latvijas gos. izd-vo, 1962, 191 p.
- LATVIA—POTATO DIGGER (MACHINE)**
From practices in the use of the KVN-2 vibration potato digger. V. R. Epro, G. K. Neiland. Trakt. i sel'khoz-mash. 33 no. 1:40 Ja '63.
- LATVIA—REVOLUTION, 1917-1921**
Stuchka, P. I. [For Soviet rule in Latvia, 1918-1920] Par padomju varu Latvijā, 1918-1920; rakstu izlase. Rīga, Latvijas valsts izdevniecība, 1958, 556 p. [In Latvian]
- LAUNDRIES** see subdivision under Moscow
- LAUNDRY INDUSTRY**
(see also subdivision under Alma-Ata)
Laundry industry. S. Sinečnikov. Ogonek 41 no. 7:22-23 F '63.
- LAVENDER (PLANT)** see subdivision under Moldavia
- LAW**
(see also subdivision under Canada; Cuba)
Recent legislative enactments. Sots. zakon. 39 no. 10:78-80 O '62.
- LAW—BIBLIOGRAPHY** see Bibliography—Law
- LAW—CASES**
How the public prosecutors of the U.S.S.R. supervise the observance of laws. Sots. zakon. 39 no. 10:85-87 O '62.
- LAW—CODIFICATION**
Moscow. Vsesoiuznyi institut iuridicheskikh nauk. [Theoretical problems concerning the systematization of Soviet laws] Teoreticheskie voprosy sistematizatsii sovetskogo zakonodatel'stva. Pod red. S. N. Bratusia i I. S. Samoshchenko. Moskva, Gosizdat, 1962, 574 p.
- LAW—PERIODICALS**
Our periodical and his readers. I. Kharitonov. Sots. zakon. 39 no. 10:95-96 O '62.
- LAW—PHILOSOPHY**
The nature of "national law." S. S. Alekseev. Sov. gos. i pravo 33 no. 4:49-59 Ap '63.
Zivs, S. L. [Against the distortion of the problems of the state and law by the ideologists of anticommunism] Protiv izvrashcheniia ideologami antikommunizma voprosov gosudarstva i prava; metodicheskoe posobie v pomoshch' lektoru. Moskva, Ob-vo po rasprostraneniui nauchn. i polit. informatsii RSFSR, 1962, 38 p.
- [MICROFILM]
Zlobin, G. A. [Legal consciousness in the Soviet national state] Pravoosoznanie v Sovetskom obshchenarodnom gosudarstve. Moskva, Izd-vo "Znanie," 1963, 32 p. (Novoe v zhizni, nauke, tekhnike, II Seriya: Filosofiya, no. 3)
- LAW—SOURCES** see subdivision under Armenia
- LAW—STUDY AND TEACHING**
(see also subdivision under Kostroma Province)
An interuniversity conference on the study of the law in the institutions of higher economic education. N. N. Vedenin. Sov. gos. i pravo 33 no. 4:148 Ap '63.
- LAW AND ETHICS**
Zlobin, G. A. [Legal consciousness in the Soviet national state] Pravoosoznanie v Sovetskom obshchenarodnom gosudarstve. Moskva, Izd-vo "Znanie," 1963, 32 p. (Novoe v zhizni, nauke, tekhnike, II Seriya: Filosofiya, no. 3)
- LAW AND SOCIALISM**
Iavich, L. S. [Law and communism] Pravo i kommunizm. Moskva, Gosizdat, 1962, 99 p.
- LAW SCHOOLS**
Legal correspondence schools. P. Grishaeu. Sots. zakon. 39 no. 10:29-33 O '62.
- LAWYERS** see subdivision under Canada
- LEACHING**
Dynamics of chemical properties of soil waters and loss of soil formation elements and fertilizers from the arable layer of slightly cultivated highly Podzolic turf soils; according to the results of the first year of lysimeter use. F. I. Levin. Pov. plod. pochv. nechernozem. pol. no. 2:58-84 '62.
- LEAD—SPECTRA**
Spectrophotometric titration of lead with molybdate in the ultraviolet [with summary in English]. K. B. Iatsimirskii, I. I. Alekseeva. Zhur. anal. khim. 17 no. 5:574-578 Ag '62.
- LEAD-BISMUTH ALLOYS** see Bismuth-lead alloys
- LEAD CHLORIDES**
Ternary system of lead, lithium, and cadmium chlorides. A. G. Bergman, A. P. Sadovskii, Zh. V. Misler. Zhur. neorg. khim. 8 no. 4:954-958 Ap '63.
- LEAD COMPOUNDS**
Composition and stability of cadmium, lead, and zinc complexes with monoethanolamine in water-alcohol solutions. P. K. Migal', G. F. Serova. Zhur. neorg. khim. 7 no. 7:1601-1607 Ji '62.
- LEAD MINES AND MINING** see subdivision under Llaneros, Spain
- LEAD SELENATE**
X-ray examination of two modifications of lead selenate. B. A. Popovkin, I. U. P. Simanov. Zhur. neorg. khim. 7 no. 7:1743-1748 Ji '62.
- LEAD-SODIUM-POTASSIUM ALLOYS** see Sodium-potassium-lead alloys
- LEAD SULFIDE**
Changes in the surface potential of lead sulfide films due to illumination [with summary in English]. O. M. Artamonov, R. A. Berlaga, T. T. Bykova. Vest. LGU 10 no. 4:41-46 '63.
- LEAD-TIN ALLOYS**
Cathodic polarization during the electrolytic deposition of a lead-tin alloy. V. I. Lalner, I. I. T'szu-zhan' [Yi T'su-jan]. Zhur. prikl. khim. 36 no. 2:350-356 F '63.
- LEATHER**
Experience in the standardization of the methods for oiling various chrome leathers using synthetic oils. M. Z. Gel'gat, Kozh. -obuv. prom. 5 no. 3:35-38 Mr '63.
Method for processing pickled raw materials. I. F. Kadomtsev. Kozh. -obuv. prom. 5 no. 3:36-37 Mr '63.
New types of material for leather finishing. V. I. Eliseeva and others. Kozh. -obuv. prom. 5 no. 3:18-21 Mr '63.
- LEATHER—DICTIONARIES**
Ramu, S. N., G. A. Lilič, and L. D. Mogilevskii. [Czech-Russian leather and shoe dictionary] Československo-rušskii kožhevenno-obuvnoi slovar'. Moskva, Glav. red. inostr. nauchno-tekhn. slovari i Fizmatgiz, 1962, 135 p.
- LEATHER—MACHINERY**
Types and dimensional series of leather machinery. A. A. Fridland, Kozh. -obuv. prom. 5 no. 3:15-17 Mr '63.
- LEATHER—TESTING**
Conduct of natural leather capillaries and its effect on some hygienic properties of footwear. A. N. Braslavskii, S. F. Shistovskii. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 1:91-96 '63.
Relation between the stiffness and wear resistance of sole leather. G. I. Kutlanin. Kozh. -obuv. prom. 5 no. 3:21-24 Mr '63.
- LEATHER, ARTIFICIAL**
Investigating some factors which increase the wear resistance of suede leather processed in an electric field. Report No. 1. M. A. Samyshkina, I. V. Plotnikov, S. A. Pavlov. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 1:53-62 '63.
Production cost norms are the index of the volume of production and labor productivity in artificial leather factories. P. S. Pushkin, L. P. Tolkačeva, M. I. Chembarov. Kozh. -obuv. prom. 5 no. 3:8-11 Mr '63.
- LEATHER, ARTIFICIAL—TESTING**
Microstructure of the various kinds of SK (synthetic rubber) kersey under the effect of mechanical actions. I. A. Kravkova, S. A. Pavlov. Kozh. -obuv. prom. 5 no. 3:24-28 Mr '63.
- Scale factor in the stretching of artificial leather with an oriented cotton base. E. S. Umanski. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 1:63-76 '63.
- LEATHER INDUSTRY**
(see also subdivision under Moscow)
"Economics, organization and planning of the leather industry" by N. K. Lytkin. Reviewed by D. I. A. Val Sred. spets. obr. 10 no. 2:58-60 F '63.
- LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES**
Collector bin for storing spent sodium chloride and loading into self-dumping trucks. R. A. Gorne. K -obuv. prom. 5 no. 3:3 of cover Mr '63.
Modernization of the mechanisms for closing the traps in leather manufacture. M. A. Braginskii. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 1:162-167 '63.
- LEATHER WORK** see subdivision under Pskov
- LEBEDEV, GERASIM STEPANOVICH, 1746-1817**
Seven faces of Gerasim Lebedev. Mikhail Melvedev. Vokrug sveta no. 2:49-54 F '63.
- LEBEDEV, SERGEI ALEKSEEVICH, 1902-**
Noteworthy dates in science and technology. Shkol's protzv. 6 no. 11:96 N '62.
- LEBEDIN—ATHEISM—STUDY AND TEACHING**
One of the best. F. Kyrychenko. Votov. notofat 3 no. 23-24 Mr '63.
- LEECHES** see subdivision under Kuybyshev Reserve
- LEGAL RESEARCH**
In the Department of Philosophy and Law. Vest. AN SSSR 33 no. 3:65-69 Mr '63.
- LEGAL RESEARCH—INTERNATIONAL COOPERATION**
International contacts of the Institute of the State and of the Academy of Sciences of the U.S.S.R. In 1962 V. P. Shatrov. Sov. gos. i pravo 33 no. 4:144-147 '63.
- LEGER, FERNAND, 1881-1955**
Leger, Fernand. [Fernand Leger, Georges Docquet, Nadezhda Leger; exhibition catalog] Fernan Leger, Zhorzhi Dok'e, Nadezhda Leger; katalog vystavki. [Moskva, Iekusstvo] 1963, 79 p. illus. [Text in Russian and French]
- LEGER, NADEZHDA**
Leger, Fernand. [Fernand Leger, Georges Docquet, Nadezhda Leger; exhibition catalog] Fernan Leger, Zhorzhi Dok'e, Nadezhda Leger; katalog vystavki. [Moskva, Iekusstvo] 1963, 79 p. illus. [Text in Russian and French]
- LEGUMES**
(see also subdivision under Uzbekistan)
Bakhturov, V. A., and F. G. Uliyanov. [Mechanizing growing of pulse crops] Mekhanizatsiia vozdel'nykh zernobobovykh kul'tur. Moskva, Sel'khozizdat, 1961, 141 p.
- LEIPZIG—EXHIBITIONS**
Foundry equipment at the 1962 Leipzig Spring Fair. L. I. Levi. Lit. prozv. no. 1:44-48 Ja '63.
Leipzig receives visitors. S. P. Tochilin. Ogonek 41 no. 11:2 Mr '63.
- LEISHMANIASIS CUTANEOUS** see Delhi boil
- LEMON**
Change in the annual cycle of the development of lemon grown in trenches. N. P. Zinov'eva. Vop. biol. i khim. med. no. 3:92-97 '62.
- LENA BASIN—OIL FIELDS**
White crude oil of Siberia. N. Pokidov. Sem'ia shkol' 18 no. 3:44 Mr '63.
- LENIN, VLADIMIR IL'ICH, 1870-1924**
Characteristics of a great man. L. Sergeev. Radio no. 4:3-4 Ap '63.
An encounter with Lenin. George Lansbury. Nov. vri 20 no. 10:9-10 Ap '63.
Following Il'ich's legacy. F. N. Petrov. NTO 5 no. 5-7 Ap '63.
"How Vladimir Il'ich would rejoice." Reviewed by V. Valentinov. Komsom. zhizn' no. 7:32 Ap '63.
In quest of a priceless heritage. R. Perosvetov. V knig 3 no. 4:4-6 Ap '63.
Kalkhanidi, A. E. [V. I. Lenin's theory and program of the nationalities problem] Leninskaiia teoriia i programma po natsional'nomu voprosu. Minsk, Gosizdat BSSR, 1962, 269 p.
The last party congress during Lenin's life. Sh. Chivadze. Part. zhizn' no. 7:8-14 Ap '63.
Lenin, V. I. [Complete works] Polnoe sobranie sochinenii. Izd. 6. Moskva, Gospolitizdat, Vol. 38. [March-June, 1919] Mart - Iun' 1919, 1963, 570 p.
Lenin on control. V mire knig 3 no. 4:1 Ap '63.
Lenin's ideas live and win. Part. zhizn' no. 7:3-7 Ap '63.

LENIN, VLADIMIR IL'ICH, 1870-1924 (Continued)

- Leonov, L. A. [On Lenin's "Notebooks on imperialism"; characteristics of V. I. Lenin's creative laboratory] O Leninskikh "Tetradakh po imperia-lizmu"; k kharakteristikam tvorcheskoi laboratorii V. I. Lenina. Moskva, Sotsializm, 1962. 205 p.
- The most interesting policy. N. Osipenko. Nov. vrem. 20 no. 16:5-8 Ap '63.
- A national and eternal idol. A. Burlakov. Part. zhizn' no. 7:74-75 Ap '63.
- Some problems relating to the methods of historical research discussed in V. I. Lenin's work. I. I. Smirnov. Trudy LOI AN SSSR no. 5:8-10 '63.
- Suslov, L. P. [Methodology for economic analysis in V. I. Lenin's work] Metodologiya ekonomicheskogo analiza v trudakh V. I. Lenina. [Leningrad] Izd-vo Lening. univ., 1962. 236 p.
- Triumph of Lenin's ideas in the constitutional theory and practical development of the Soviet state. Sov. gos. i pravo 33 no. 4:3-16 Ap '63.
- V. I. Lenin and the mandates of Soviet voters. V. F. Kotok. Sov. gos. i pravo 33 no. 4:17-20 Ap '63.
- V. I. Lenin on American imperialism and the U. S. labor movement [with summary in English, p. 188]. L. I. Zubok. Nov. i noveish. ist. no. 2:50-64 '63.
- V. I. Lenin on the participation of the masses in economic development. V. Filatov. Sov. potreb. koop. 7 no. 4:1-4 Ap '63.
- V. I. Lenin on the party. V. Popov. Part. zhizn' no. 7:76-74 Ap '63.
- V. I. Lenin on the study of public consumption. I. Maliy. Plan. khoz. 40 no. 4:11-22 Ap '63.
- "V. I. Lenin's contribution to Marxist aesthetics, 1907-1910" by V. I. Mazepa. Reviewed by A. T. Hordilenko, K. P. Shudria. Rad. lit. 7 no. 1:130-132 Ja-F '63.
- The voice of the continents. G. Antonov. V mire knig 3 no. 4:3 Ap '63.

LENIN, VLADIMIR IL'ICH, 1870-1924—BIBLIOGRAPHY see Bibliography—Lenin, Vladimir Il'ich, 1870-1924

LENIN, VLADIMIR IL'ICH, 1870-1924—HOMES AND HAUNTS

- Kondrat'ev, I. [Lenin in Kazan] Lenin v Kazani. Izd. 2, Kazan', Tatarskoe knizhnoe izd-vo, 1962. 86 p.

LENIN, VLADIMIR IL'ICH, 1870-1924—MONUMENTS

- The main problem is the expression of national character. O. Pronina. Stroitel' arkhitekt. Mosk. 12 no. 3:14-18 Mr '63.

LENINGRAD—AGRICULTURAL LIBRARIES

- Oldest agricultural library. N. Bakusheva, L. Zhestian-nikova. Biblioteka no. 3:10-21 Mr '63.

LENINGRAD—APARTMENT HOUSES

- Continue the steady improvement in the design and construction of large-panel buildings. L. M. Bezverkhniy. Stroitel' arkhitekt. Len. 24 no. 9:2-7 S '62.
- Design for an experimental apartment. I. I. Fomin, I. A. N. Lukin. Stroitel' arkhitekt. Len. 24 no. 9:13-16 S '62.
- Family and apartment. G. A. Ol'. Stroitel' arkhitekt. Len. 24 no. 11:13-15 Ja '62.
- For further improvement of the new method of housing construction. S. M. Verzhnikov. Stroitel' arkhitekt. Len. 25 no. 3:1-2 Mr '63.
- New types of apartments. O. I. Gur'ev. Stroitel' arkhitekt. Len. 24 no. 11:10-12 Ja '62.

LENINGRAD—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

- Designs of residential buildings for the Avtovo Combine. A. V. Zhuk, N. Z. Matusevich. Stroitel' arkhitekt. Len. 25 no. 3:7-10 Mr '63.
- Nine-story residential buildings for the Obukhovo Combine. Stroitel' arkhitekt. Len. 25 no. 3:3-6 Mr '63.
- So that it is of good quality and beautiful. O. V. Kalinin. Stroitel' arkhitekt. Len. 25 no. 3:11-12 Mr '63.

LENINGRAD—ARCHITECTURE—CONGRESSES

- Tirelessly raise the quality of design and construction. Stroitel' arkhitekt. Len. 25 no. 3:18 Mr '63.

LENINGRAD—ATHEISM—STUDY AND TEACHING

- In our city Leningrad. S. Lepikhin. Nauka i rel. 4 no. 3:60-70 Mr '63.

LENINGRAD—BATHROOMS

- Goracheva, I. A. [Assembly of bathrooms for large-panel apartment houses in Leningrad] Opyt montazha sanitarno-tekhnicheskikh kabin krupnopanel'nykh domov v Leningrade. Leningrad, 1961. 26 p.
- (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 25)

LENINGRAD—BOOKSELLERS AND BOOKSELLING

- At the Aleksandrov Market. P. Martynov. Sov. knizh. torg. 14 no. 3:36-38 Mr '63.

LENINGRAD—BUILDING, BRICK

- Large-scale brick construction. V. S. Parfenov. Stroitel' arkhitekt. Len. 25 no. 3:28-30 Mr '63.

LENINGRAD—CARTONS

- Gribanov, N. N. [Manufacture and use of paperboard boxes] Proizvodstvo i primeneniye kartonnykh iskhodkov; iz opyta leningradskoi promyshlennosti. Leningrad, 1962. 44 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Tovar i upakovka)

LENINGRAD—CITY PLANNING

- Building development of micro-districts of Leningrad. A. Bekker, D. Grishin, I. U. Sdobnov. Na stroi. Ros. 4 no. 1:19-21 Ja '63.
- Looking into the future. M. P. Sokolov. Stroitel' arkhitekt. Len. 24 no. 1:19-20 Ja '62.
- New residential area on the right bank of the Neva. A. A. Afonchenko, N. A. Iakovlev. Stroitel' arkhitekt. Len. 24 no. 9:18-12 S '62.
- Public transportation arteries and residential districts. M. A. Pitr, A. P. Zhukovskii. Stroitel' arkhitekt. Len. 25 no. 3:15-16 Mr '63.

LENINGRAD—CLOTHING INDUSTRY

- Mollavko, V. V. [Consolidation of the preparatory and cutting shops; experience of the "Pervomaia skola" Clothing Factory in Leningrad] Ob'edinenie podgotovitel'nogo i raskroynogo (sekhov); opyt leningradskoi shveinnoi fabriki "Pervomaia skola." Leningrad, 1962. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Shveinnaia promyshlennost', no. 3)
- Petrova, K. P., and others. [New developments in the technology of clothing manufacture in the Leningrad clothing factories] Novoe v tekhnologii izgotovleniya odeshey na leningradskii shveinykh predpriyatiakh; obzor. Leningrad, 1962. 60 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Shveinnaia promyshlennost')

LENINGRAD—COMMUNITY CENTERS

- There are not a few of us like Korchagin. G. Levitskii. Klub 12 no. 9:3-5 S '62.

LENINGRAD—CONSTRUCTION INDUSTRY

- In the Executive Committee of the Leningrad City Soviet of Workers' Deputies. Stroitel' arkhitekt. Len. 25 no. 3:3 of cover Mr '63.
- In the Executive Committee of the Leningrad Soviet. Stroitel' arkhitekt. Len. 24 no. 1:3 of cover Ja '62.
- In the Executive Committee of the Leningrad Soviet. Stroitel' arkhitekt. Len. 24 no. 9:40 S '62.
- Specialization and cooperation with the House-Building Combine. N. V. Puchkovskii. Stroitel' arkhitekt. Len. 24 no. 9:17-18 S '62.
- The union of science and industry. Stroitel' arkhitekt. Len. 24 no. 9:11 S '62.

LENINGRAD—CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

- Popov, V. D. [Technological progress and the reduction of housing construction] Tekhnicheskii progress i snizheniye stolimosti zhilishchnogo stroitel'stva; stenogramma lektsii. Leningrad, 1962. 38 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Stroitel'naya promyshlennost')

LENINGRAD—COXIELLA

- Antigenic characteristics of the phase variants of Rickettsia burnetii isolated in Leningrad. N. I. Amosenkova, L. D. Vasil'eva. Trudy Len. inst. epid. i mikrobiol. 23:204-215 '61.

LENINGRAD—ECONOMICS—STUDY AND TEACHING

- Courses in applied economics and teaching them in colleges of advanced technology. A. Konson. Vop. ekon. no. 3:136-140 Mr '63.

LENINGRAD—ELECTRIC EQUIPMENT INDUSTRY

- Man's happiness is in the work for his community. V. Romanov. NTO 5 no. 4:24-26 Ap '63.

LENINGRAD—ENGINEERS

- A common biography. I. Buzylev. NTO 5 no. 2:10-12 F '63.

LENINGRAD—FUR TRADE

- Fur auction in Leningrad. Vladislav Nikulin. Kul't. i zhizn' 6 no. 12:4-8 '62.

LENINGRAD—INDUSTRIES

- Leningrad party organization's struggle for the industrialization of our country in 1926-1929. V. I. Nikiforova, I. U. V. Voskresenskii, I. S. Pollanskii. Vop. ist. KPSS 7 no. 3:107-114 Mr '63.

LENINGRAD—LABOR AND LABORING CLASSES—EDUCATION

- Our fathers bequeathed struggle to us. I. U. Vasil'ev. Komsom. zhizn' no. 7:18-21 Ap '63.

LENINGRAD—SCHOOLHOUSES

- New school of music. L. A. Pankratova. Stroitel' arkhitekt. Len. 24 no. 1:32-33 Ja '62.

LENINGRAD—TRANSIT SYSTEMS

- Public transportation arteries and residential districts. M. A. Pitr, A. P. Zhukovskii. Stroitel' arkhitekt. Len. 25 no. 3:15-16 Mr '63.

LENINGRAD—MANUFACTURES

- Leningrad experiment. V. Krupin, K. Cherevov. Ogonek 40 no. 49:4-5 D '62.

LENINGRAD—MILITARY MUSEUMS

- Polotin, D. N., and M. M. Farafonov. [Monuments and repositories of military glory in Leningrad] Pamiatniki i khramishcha boevoi slavy v Leningrade. Leningrad, Ob-vo po rasprostraneniyu polit. i nauchn. znaniy RSFSR, 1962. 115 p.

LENINGRAD—MOTION-PICTURE THEATERS—DESIGN AND CONSTRUCTION

- What kind of motion-picture theaters does Leningrad need? G. P. Stepanov. Stroitel' arkhitekt. Len. 25 no. 3:22-23 Mr '63.

LENINGRAD—ORNITHOSIS

- Household outbreak of ornithosis connected with pigeons. L. A. Vishniakova, B. I. Meitin, M. I. Polesitskaya. Trudy Len. inst. epid. i mikrobiol. 23:267-272 '61.

LENINGRAD—PAYMENT

- Savings Banks work in accepting payments from the population. A. Bizlukov. Den. i kred. 21 no. 3:49-50 Mr '63.

LENINGRAD—PRECAST CONCRETE CONSTRUCTION

- Why has the Leningrad experiment remained forgotten? A. A. Sizov. Stroitel' arkhitekt. Len. 25 no. 3:31 Mr '63.

LENINGRAD—Q FEVER

- Outbreaks of Q fever with the character of an occupational disease in Leningrad in 1950. L. D. Vasil'eva. Trudy Len. inst. epid. i mikrobiol. 23:196-203 '61.

LENINGRAD—RAILROADS—CARS

- Workers and efficiency experts. L. Ganichev. Sots. trud 8 no. 3:113-118 Mr '63.

LENINGRAD—RECREATION CENTERS

- Young man after work... I. U. Korolev. Sov. Soluz. no. 1:45-49 '63.

LENINGRAD—REMOTE CONTROL

- Dispatcher service at the Leningrad House-Building Combine. A. I. Poradina, N. V. Puchkovskii. Stroitel' arkhitekt. Len. 24 no. 1:25-27 Ja '62.

LENINGRAD—RESTAURANTS, LUNCHROOMS, ETC.

- "Sever" Cafe. K. L. Jorgensen. Stroitel' arkhitekt. Len. 24 no. 1:30-32 Ja '62.

LENINGRAD—REVOLUTION, 1917-1921

- Statutes of the Labor Red Guards of Petrograd. V. I. Startsev. Trudy LOI AN SSSR no. 3:176-221 '63.

LENINGRAD—ROADS—DESIGN AND CONSTRUCTION

- Choosing efficient designs for roads. V. T. Odovov. Stroitel' arkhitekt. Len. 25 no. 3:16-18 Mr '63.

LENINGRAD—SAVINGS BANKS

- Savings Banks work in accepting payments from the population. A. Bizlukov. Den. i kred. 21 no. 3:49-50 Mr '63.

LENINGRAD—SHIPBUILDING

- Expanded meeting of industrial innovators for the Leningrad shipbuilding industry. Sudostroenie 29 no. 1:87 Ja '63.

LENINGRAD—SHIRTS, MEN'S

- Kapitsyna, O. L., and N. I. Egorova. [Standardization of shirt parts; experience of the "Krasnaya Rabotnitsa" Clothing Factory in Leningrad] Unifikatsiya detalей verkhnikh sorocheek; opyt raboty leningradskoi shveinnoi fabriki "Krasnaya rabotnitsa." Leningrad, 1962. 16 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Shveinnaia promyshlennost', no. 4)

LENINGRAD—SIEGE, 1941-1944

- [In the ring of fire; reminiscences on the defense of the city of Leningrad and the defeat of the occupation forces of German fascists in the Leningrad region] V ognennom kol'tse; vospominaniya uchastnikov oborony goroda Lenina i razgroma nemetsko-fashistskikh zakhvatnikov pod Leningradom. Moskva, Gospolitizdat, 1963. 212 p.

- Pages of reminiscences. Nikolai Tikhonov. Znaniya 33 no. 3:94-112 Mr '63.

- Sviridov, V. P., V. P. Iakunovich, and V. E. Vasilenko. [The Battle of Leningrad, 1941-1944] Bitva za Leningrad, 1941-1944. [Leningrad] Lenizdat, 1962. 553 p.

LENINGRAD—SOCIAL PROBLEMS

- How public prosecutors struggle against loafers. S. Aver'ianov, A. Borodankov. Sots. zakon. 39 no. 10:49-50 O '62.

LENINGRAD—STORES, RETAIL—DESIGN AND CONSTRUCTION

- Stores in the new building development. E. M. Poltoratskii. Stroitel' arkhitekt. Len. 25 no. 3:19-21 Mr '63.

LENINGRAD—TECHNOLOGICAL INNOVATIONS

- Patronage and sighs. P. Volin. Izobr. i rats. no. 7:17-18 Ji '62.

LENINGRAD—TESTING LABORATORIES

- Actual testing and the testing of models. Stroitel' arkhitekt. Len. 24 no. 1:36 Ja '62.

LENINGRAD—TRANSPORTATION

- Settlement of the population and the transportation facilities of the center and certain districts of Leningrad. M. S. Finkel'son. Stroitel' arkhitekt. Len. 24 no. 1:16-17 Ja '62.

- LENINGRAD—TYPHUS FEVER**
Clinical characteristics of current forms of typhus as per data of the Leningrad S. P. Botkin Hospital. M. M. Figurina, A. N. Semenova. Trudy Len. inst. epid. i mikrobiol. 23:110-120 '61.
- LENINGRAD—WAR MEMORIALS**
Belotin, D. N., and M. M. Farafonov. [Monuments and repositories of military glory in Leningrad] Pamiatniki i khranilishcha boevoi slavy v Leningrade. Leningrad, Ob-vo po rasprostraneniю polit. i nauchn. znaniy RSFSR, 1962. 115 p.
- LENINGRAD—WOMEN**
[The women of Lenin's city] Zhenshchiny goroda Leningra. [Leningrad] Lenizdat, 1963. 405 p.
- LENINGRAD ECONOMIC REGION—SHIPBUILDING**
Innovator Councils for the Shipbuilding Industry in the Leningrad Economic Region. N. S. Kononov. Sudostroenie 29 no.186-87 Ja '63.
- LENINGRAD PROVINCE—BONUS SYSTEM**
Plant fund and increasing the role of group material incentives. N. Petrov, N. Ptichkin. Sots.trud 8 no.3: 123-128 Mr '63.
- LENINGRAD PROVINCE—INDUSTRIAL MANAGEMENT**
Plant fund and increasing the role of group material incentives. N. Petrov, N. Ptichkin. Sots.trud 8 no.3: 123-128 Mr '63.
- LENINOGORSK (TATAR A.S.S.R.)—OIL FIELDS—EQUIPMENT AND SUPPLIES**
Volunteer design offices in Leninogorsk. M. M. Zaitov. Neftianik 7 no.7:3-5 Ji '62.
- LENINOGORSK REGION (EAST KAZAKHSTAN PROVINCE)—BLASTING**
Problems in initial and secondary drilling and blasting operations in the Andreyevskiy open-pit mine. K. Zh. Zhunusov. Trudy Alt.GMNI AN Kazakh.SSR 13:85-95 '62.
- LENINOGORSK REGION (EAST KAZAKHSTAN PROVINCE)—BORING**
Problems in initial and secondary drilling and blasting operations in the Andreyevskiy open-pit mine. K. Zh. Zhunusov. Trudy Alt.GMNI AN Kazakh.SSR 13:85-95 '62.
- LENINOGORSK REGION (EAST KAZAKHSTAN PROVINCE)—MINE HAULAGE**
Hauling ore in the Andreyevskiy open-pit mine. B. V. Fadeev. Trudy Alt.GMNI AN Kazakh.SSR 13:127-130 '62.
Use of truck transportation in the Andreyevskiy open-pit mine. A. N. Subbotin. Trudy Alt.GMNI AN Kazakh.SSR 13:131-134 '62.
- LENINOGORSK REGION (EAST KAZAKHSTAN PROVINCE)—STRIP MINING**
Andreyevskiy open-pit mine. Kh. E. Tuseev, K. Zh. Zhunusov. Trudy Alt.GMNI AN Kazakh.SSR 13:13-16 '62.
Some problems in improving mining operations in the Andreyevskiy open-pit mine. A. K. Bakhtin. Trudy Alt.GMNI AN Kazakh.SSR. 13:115-120 '62.
- LENNINSKOYE (KARATASSKIY DISTRICT)—RESTAURANTS, LUNCHROOMS, ETC.**
Justified trust. F. Ivanova. Koop.Kazakh. 5 no.1:43-46 Ja '63.
- LEONTOVICH, MIKHAIL ALEKSANDROVICH**
Mikhail Aleksandrovich Leontovich; on his 60th birthday. Atom.energ. 14 no.4:253 Ap '63.
- LEPTOSPIRA**
Phenomenon of adsorption immobilization of Leptospira. A. K. Adamov, E. M. Popova. Trudy Len. inst. epid. i mikrobiol. 23:261-265 '61.
- LEPTOSPIROSIS**
(see also subdivision under Kaliningrad Province; Krasnodar Territory; Pskov Province)
Leptospirosis infection among the workers of swine farms. E. M. Popova, A. L. Lesnikov. Trudy Len. inst. epid. i mikrobiol. 23:234-242 '61.
- LEPTOSPIROSIS—PREVENTION**
Evolution of leptospirosis and the task of reducing contamination by these infectious forms. K. N. Tokarevich, E. M. Popova. Trudy Len. inst. epid. i mikrobiol. 23: 224-233 '61.
- LESHUKONSKOYE DISTRICT—FOLKLORE**
Folklore expedition of the Pushkin House in 1961. V. V. Mitrofanova, S. N. Azbelev. Sov. etn. no.1:134-138 Ja-F '63.
- LEUCOCYTES**
Change in the quantity of blood leucocytes during overheating. A. T. Berdyeva. Zdrav.Turk. 6 no.6:11-15 N-D '62.
Effect of a leucocytic serum on the mitotic activity of the cryptal epithellum of the small intestine. A. V. Abuladze. Dokl. AN SSSR 149 no.4:957-959 Ap '63.
- Glycogen of blood leucocytes in patients suffering from chronic tonsillitis and rheumatic fever [with summary in English]. R. A. Minchina. Vop. revm. 1 no.4:18-23 O-D '61.
Luminescence microscopy of peripheral blood leucocytes from animals of various ages during X-ray irradiation. N. V. Gornziakova. Vop. biofiz., biokhim. i pat. erit. no.2:146-152 '61.
Use of luminescence microscopy for studying the leucocytes and their phagocytosis by the reticuloendothelium of the spleen. B. G. Kovrov, V. P. Makarov. Vop. biofiz., biokhim. i pat. erit. no.2:220-225 '61.
- LEUKEMIA**
Leucosogenic effect of nucleic acids isolated from tumors. V. M. Bresler and others. TSitologiya 4 no.3:318-322 My-Je '62.
- LEVEL INDICATORS**
Level signaling device with cold cathode thyatron. S. A. Brainin, V. M. Kirpichnikov. Lit. prozv. no.2:10-11 F '63.
- LEVEL INDICATORS FOR LIQUIDS** see Liquid level indicators
- LEVELING**
Geodetic leveling in determining distances on a rod with a rigid base. V. F. Pavlov. Geod. i kart. no.2:29-33 F '63.
Leveling with an inclined ray. L. A. Kashin. Geod. i kart. no.2:12-19 F '63.
Technical leveling with rods graduated in decimeters. A. S. Nikulin. Geod. i kart. no.2:33-37 F '63.
- LEVOMYCETIN**
Comparative effectiveness of different methods of treatment of typhoid and paratyphoid diseases. K. T. Tishchenko. Trudy Kish.gos.med.inst. 13:93-98 '60.
Effect of levomycetin on some indicators of protein metabolism in rabbits. N. V. Maikova. Trudy Kish.gos.med.inst. 13:115-117 '60.
Some indicators of protein metabolism in dysentery patients treated with levomycetin and streptomycin. N. V. Maikova. Trudy Kish.gos.med.inst. 13:110-122 '60.
- LEVYTS'KYI, IVAN, 1837-1918**
Anticlerical motifs in the tales of Nechui-Levyts'kyi. L. P. Fedosov. Rad.lit. 7 no.1:27-41 Ja-F '63.
- LIABILITY (LAW)**
"Basic problems of legal responsibility and the special characteristics of liability in civil law" [in Hungarian] by Gyula Edrői. Reviewed by O. N. Sadikov. Sov.gos.i pravo 33 no.4:153-155 Ap '63.
Controversial problems relating to compensation for loss caused by the destruction of fish stocks. L. Kolbasov. Sov.iust. no.6:9-11 Mr '63.
Liability for injuries sustained while preventing damage. N. Malein. Sots.zakon. 39 no.10:36-37 O '62.
We should increase liability for the destruction of socialist property. F. Leviant, A. Mavrin, V. Bellaev. Sov.iust. no.6:12-14 Mr '63.
- LIBERTY**
Problem of freedom in social development. V. G. Podmarkov. Nauch.socb. IAFAN SSSR no.2:96-111 '59.
- LIBERTY OF CONSCIENCE**
A lie lives until proven wrong. A. Veshchikov. Otv.na vop.trud. no.12:46-54 D '62.
- LIBRARIANS**
(see also subdivision under Talgar)
A congenial, dear person, a wise counselor. M. Kanel'skaya. Klub 12 no.3:17 Mr '63.
- LIBRARIES**
(see also subdivision under Ivanovo Province; Kirov; Kirov Province; Lvov; Rybinsk)
Brief notes. Bibliotekar' no.3:61 Mr '63.
Carry the party's word to the masses! IU. Sorochkina. Klub 12 no.12:12 D '62.
Our pride! S. Polzunova. Klub 12 no.12:25-26 D '62.
Raise by every means the cultural and technological level of the workers. V. Sisnev. Klub 12 no.11:1-2 N '62.
- LIBRARIES, CHILDREN'S**
Work training. Z. Kon'kova. Bibliotekar' no.3:50 Mr '63.
- LIBRARIES AND READERS**
(see also subdivision under Ukraine)
Bring books to builders. V. Filontseva. Bibliotekar' no.3:6-7 Mr '63.
For engineering education. A. Lobotskii. Bibliotekar' no.3:18-19 Mr '63.
Jointly toward a common goal. M. Kanel'skaya. Klub 12 no.9:27-28 S '62.
Let us carry out the November Plenum of the Central Committee of the CPSU. Bibliotekar' no.3:5 Mr '63.
A spoken magazine. A. Panova. Bibliotekar' no.3:45-46 Mr '63.
- A support for youth. S. Golubchik. Bibliotekar' no.3: 45-46 Mr '63.
When they like the work. Z. Beliakova. Bibliotekar' no.3:49-50 Mr '63.
- LIBRARY CONFERENCES**
Librarians' conference in Kharkov. Klub 12 no.11:3 S '62. Klub 12 no.11:3 N '62.
- LIBRARY FINANCE**
Take care of the people's pennies. I. Frumkin. Bibliotekar' no.3:38-41 Mr '63.
- LIBRARY SCHOOLS AND TRAINING**
Let's teach our volunteer helpers. N. Vavilova, G. Tubel'skaya. Kul't.-pros.rab. 24 no.1:14 Ja '63.
- LIBRARY SCIENCE**
Library lessons in a school for working youth. I. Zolotarev. Klub 11 no.3:27-28 Mr '62.
- LIBRARY SCIENCE—BIBLIOGRAPHY** see Bibliography—Library science
- LIE ALGEBRAS**
Lie algebras with regular automorphisms. V. A. Kreckin, A. I. Kostrikin. Dokl. AN SSSR 149 no.2:249-251 Mr '63.
- LIEBIG, JUSTUS, 1803-1873**
Musahekov, IU. S. [Justus von Liebig] Iustus Liebig, 1803-1873. Moskva, Izd-vo Akad. nauk SSSR, 1962, 213 p.
- LIFE—ORIGIN**
New theories of the origin of life on earth. D. T. Petray. Vop. filos. 17 no.3:145-150 '63.
- LIFE (BIOLOGY)**
On the border. S. Stel'makh. Znan. ta prutina no.1: 6-7 Ja '63.
Origin and evolution of the biosphere. V. V. KovaPakh. Usp.sovr.biol. 55 no.1:45-57 Ja-F '63.
- LIFE ON PLANETS** see Plurality of worlds
- LIFESAVING**
(see also subdivision under Kurile Islands)
Course for large groups. O. Machnitski. Voen.znan. 30 no.2:30-31 F '63.
Mother. Ila Meskhi. Ogonek 41 no.5:10-11 Ja '61.
- LIGHT**
Behavior of light in a pulsating universe [with summary in English]. P. Sengupta. Astron.zhur. 40 no.2:271-279 Mr-Apr '63.
- LIGHT—PHYSIOLOGICAL EFFECT**
Development of the green sulfur bacterium Chlorospirillum ethylicum at various light intensities [with summary in English]. R. M. Baltetskaya. Mikrobiologiya 31 no.6:961-965 N-D '62.
- LIGHT—SCATTERING**
Scattering of light in an erythrocyte suspension. I. A. Torskov, F. IA. Sid'kov. Vop. biofiz., biokhim. i pat. erit. no.2:77-83 '61.
- LIGHT FILTERS**
Black-and-white in color. K. Samoilikov. Inzh.tekh. 7 no.3:48 Mr '63.
- LIGHT QUANTUM** see Photons
- LIGHTING—ABSTRACTS**
Optics and lighting engineering. Tekh.kino i telev. 7 no.3:85-86 Mr '63.
- LIGHTING—BIBLIOGRAPHY** see Bibliography—Lighting
- LIGNIN** see subdivision under Fergana
- LIGNITE**
Obtaining germanium dioxide from by-products of lignite processing. N. Nadasy, P. Takacs, A. Horvath. Kok. i khim. no.3:9-11 '63.
- LIMESTONE—ANALYSIS** see subdivision under Carpathian Mountains
- LIMING OF SOILS**
Optimal amounts of lime for corn in turf-Podzolic soils. F. A. Gorunova. Pov.plod.pochv. nechernozem. pol. no.2:85-92 '62.
- LIMIT THEOREMS (PROBABILITY THEORY)**
Central limit theorem for a class of dependent random variables [with summary in English]. I. A. Ibragimov. Teor.veroiat. i ee prim. 8 no.1:89-94 '63.
Information on the All-Union colloquium on limit theorems in the probability theory. Teor.veroiat. i ee prim. 8 no.1:112-127 '63.
A limit theorem for homogeneous Markov chains [with summary in English]. A. V. Skorokhod. Teor.veroiat. i ee prim. 8 no.1:67-75 '63.
Limit theorem in the queueing theory. S. M. Bradi. Ukr.mat.zhur. 15 no.1:70-79 '63.

LIMITATION OF ACTIONS

Answering our readers' questions. Sov. iust. no. 7:30-31 31 Ap '63.

LINARES, SPAIN—LEAD MINES AND MINING

Linares, city of lead; report from Franco's Spain. G. Renard. Nov. vrem. 20 no. 15:25-28 Ap '63.

LINDEN see subdivision under Tashkent

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

LINEAR EQUATIONS

Theorem of the man. A. A. Karatauba, N. M. Korobov. Dokl. AN SSSR 149 no. 2:245-248 Mr '63.

LINEAR PROGRAMMING

Determining the combination of livestock farm sections with the aid of linear (mathematical) programming. V. A. Svebodin. Dokl. i soob. VNIISKH no. 13:154-167 '62.

Graphs and transportation problems. Khoang Tai. Sib. mat. zhur. 4 no. 2:426-445 Mr-Apr '63.

Linear programming and its use in the construction of mining enterprises. G. V. Surmilo, S. M. Rabinovich. Shkht. stroi. 7 no. 4:16-17 Ap '63.

Romakin, M. I. [Fundamentals of linear algebra and linear programming] Elementy lineinot algebr i lineinogo programmirovaniia. Moskva, Gos. izd-vo "Vysshiaia shkola," 1963. 277 p.

LINK TRAINERS

Device for training pilots and flight engineers. A. Skuridin, I. Musatov. Grazhd. av. 12 no. 1:30-39 Ja '55.

LINOTYPE

Shcherov, L. A. [Linotype composing machines] Nabornye strokootivnye mashiny; konstruktivna i tekhnicheskoe obsluzhivanie. Moskva, Izd-vo "Iskusstvo," 1962. 608 p.

LIONS

"Good Elsa" [translated from the English] by Joy Adamson; a book review. Znanie-sila 38 no. 1:24-27 Ja '63.

LIPETSK—METALLURGICAL PLANTS

Bolchenko, I. G., and V. S. Kuchin. [Svobodnyi Sokol Metallurgical Plant] Svobodnyi sokol. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1961. 80 p. (MII)

LIPETSK—PRECAST CONCRETE CONSTRUCTION

Large-panel housing construction in Lipetsk. M. Margolis, T. Monogarova. Zhil. stroi. no. 2:16-17 '63.

LIPETSK—STEEL INDUSTRY

Fires of a young industry. V. Nazarov. Metallurg 8 no. 3:36-37 Mr '63.

LIPIDS

Possibility of discovering lipid deposits at the early stages of arteriosclerosis. T. A. Sinitayna. Dokl. AN SSSR 148 no. 6:1394-1396 F '63.

LIPOPROTEINS

Some contemporary data on lipoproteins in cells. V. D. Blokhina. Usp. sov. biol. 55 no. 1:34-44 Ja-F '63.

LIQUID LEVEL INDICATORS

Remote indicator of the level of liquid ammonia. V. M. Butenko. Shor. izobr. v ryb. prom. za 1959 g. 177-79.

LIQUID METALS

Effect of alloying elements on carbon activity in liquid iron. B. P. Burylev. Izv. vys. ucheb. zav. i Chern. met. 6 no. 2:5-11 '63.

Investigating the wetting of diamonds and graphite by liquid metals. Report No. 2 [with summary in English]. IU. V. Naidich, G. A. Kolesnichenko, Porosh. met. 3 no. 1:49-52 Ja-F '63.

LIQUIDS

Relation between the structure of the surface layer of a pure liquid and its surface and volume properties. F. Ia. Reznik. Dokl. AN SSSR 148 no. 5:1129-1132 F '63.

Specific number of revolutions made by a mixer in a liquid-liquid system. I. S. Pavlushenko, L. N. Braginskii. Zhur. prikl. khim. 36 no. 2:322-328 F '63.

LISICHANSK DISTRICT—CHEMICAL PLANTS

Giant of Ukrainian chemistry. V. Hohin. Nauka i zhyttia 12 no. 1:41 Ja '63.

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE—STUDY AND TEACHING

Some special aspects of the perception of literary television programs by students. L. P. Prossman. Dokl. APN 6 no. 6:55-58 '62.

LITERATURE, COMPARATIVE—UKRAINIAN AND RUSSIAN

"T. H. Shevchenko and the Russian Revolutionary Democrats" by E. S. Shablitskii. Reviewed by N. Ushmanov. Sov. Ukr. 12 no. 12:181-182 D '62.

LITERATURE AND RELIGION see Religion and literature

LITHIUM

Grishin, V. K., and others. [Properties of lithium] Svoistva litia. Moskva, Metallurgizdat, 1963. 115 p.

LITHIUM ALCOHOLATES—SPECTRA

Nuclear magnetic resonance spectra and ebullioscopy of lithium alcoholates. I. B. Golovanov and others. Dokl. AN SSSR 149 no. 4:835-837 Ap '63.

LITHIUM BROMIDE

Solubility and viscosity isotherms (50°) in the system LiI - LiBr - H₂O. F. M. Perel'man, R. M. Dolina. Zhur. neorg. khim. 7 no. 7:1681-1684 Jl '62.

LITHIUM CHLORIDE

Determination of the kinetic hydration numbers of Li⁺ ions in highly concentrated LiCl solutions. B. P. Konstantinov, V. P. Troshin. Zhur. prikl. khim. 36 no. 2:447-449 F '63.

Electroosmotic movement of highly concentrated LiCl solutions. B. P. Konstantinov, V. P. Troshin. Zhur. prikl. khim. 36 no. 2:447-449 F '63.

Ternary system of lead, lithium, and cadmium chlorides. A. G. Bergman, A. P. Sadovskii, Zh. V. Misler. Zhur. neorg. khim. 8 no. 4:954-958 Ap '63.

LITHIUM COMPOUNDS

Tetra-substituted lithium salt of silico-12-tungstic acid. E. Ia. Rode, N. A. Krotov. Zhur. neorg. khim. 8 no. 4:930-949 Ap '63.

LITHIUM COMPOUNDS—ABSORPTION SPECTRA

Infrared absorption spectra of propenyl lithium stereoisomers. A. N. Nesmelanov and others. Dokl. AN SSSR 148 no. 6:1312-1313 F '63.

LITHIUM FLUORIDE CRYSTALS—SPECTRA

Piezoelectroscopic effect in lithium fluoride crystals activated by hexavalent uranium. A. A. Kaplanski, N. A. Moskvina. Opt. i spektr. 13 no. 4:542-549 O '62.

LITHIUM IODIDE

Solubility and viscosity isotherms (50°) in the system LiI - LiBr - H₂O. F. M. Perel'man, R. M. Dolina. Zhur. neorg. khim. 7 no. 7:1681-1684 Jl '62.

LITHIUM ISOTOPES

Cross section of Li⁶ formation in a nuclear emulsion by 9 Bev. protons. N. P. Bogachov, E. I. Grigor'ev, IU. P. Merekov. Dokl. AN SSSR 148 no. 5:1046 F '63.

LITHIUM OXIDES

Effect of lithium oxide on the properties of iron oxide catalysts. M. S. Beken'kii, T. G. Alkhazov, A. N. Ma'lan. Azerb. khim. zhur. no. 2:95-101 '62.

LITHIUM SILICATES

Effect of alkaline earth oxides on the electrode properties and chemical stability of lithium silicate glasses [with summary in English]. M. M. Shults and others. Vest. LGU 18 no. 4:104-114 '63.

Electrode properties and chemical stability of a number of multicomponent lithium silicate glasses [with summary in English]. A. I. Parfenov and others. Vest. LGU 18 no. 4:162-166 '63.

Electrode properties and chemical stability of lithium silicate glasses containing barium and lanthanum oxides [with summary in English]. M. M. Shults, N. V. Peshekhonova, T. V. Lipets. Vest. LGU 18 no. 4:160-162 '63.

Electrode properties and chemical stability of lithium silicate glasses containing rare earth oxides and yttrium oxide [with summary in English]. A. I. Parfenov and others. Vest. LGU 18 no. 4:126-134 '63.

LITHIUM SULFATES

Neutron diffraction study for the localization of hydrogen atoms in the structure of lithium sulfate monohydrate Li₂SO₄·H₂O. R. P. Ozerov and others. Dokl. AN SSSR 148 no. 5:1069-1072 F '63.

LITHUANIA—ATHEISM—STUDY AND TEACHING

Mokykla mokslinio tyrimo institutas. [Methodological problems in the atheistic education of students] Mokiniu ateistinio auklejimo metodikos klausimai; straipsniu rinkinys, Kaunas Valstybine pedagogines literaturos leidykla, 1962. 56 p. (Mokytoju biblioteka-1) [In Lithuanian]

LITHUANIA—CONSTITUTION

Lithuanian S. S. R. Constitution. [Constitution (basic law) of the Lithuanian S. S. R.; with amendments and supplements passed by the Supreme Soviet of the Lithuanian S. S. R. up to the fifth call of the seventh session] Konstitucija (pagrindinis įstatymas) Su Lietuvos TSR Aukščiausiosios Tarybos priimtais iki penktosios sesijos VII sesijos imtinai. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 24 p.

LITHUANIA—LABOR COURTS

Laurinavicius, Stanislovas, and S. P. Bykov. [Fellow workers' courts] Telsia draugai. Vilnius, Valstybine Politines ir mokslines literaturos leidykla, 1961. 25 p. [In Lithuanian]

LITHUANIA—PLANTS, PROTECTION OF

Lietuvos TSR Mokslu akademija, Vilna. Botanikos institutas. [Practices in controlling plant diseases, pests, and weeds] Praktiskos kovos pramonos pries augalu ligas, kenkejus ir piktoles; straipsniu rinkinys. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 165 p. [In Lithuanian] (DNAL)

LITHUANIA—REVOLUTION, 1917-1921

"The struggle of the workers of the Lithuanian-White Russian S. S. R. with forces of foreign intervention and internal counterrevolution, 1919-1920" by E. N. Shklier. Reviewed by V. Dorogin. Komm. Bel. 37 no. 1:75-77 Ja '63.

LIVER

Change in the protein function of the liver in chronic opionania. O. Murrykov, Kh. Naubatov. Zdrav. Turk. 6 no. 6:24-27 N-D '62.

Changes in the liver in some diseases of the cardiovascular system. M. A. Chursina. Zdrav. Turk. 6 no. 6:20-24 N-D '62.

Variations of the form and structure of the liver of a Rhesus monkey as related to the evolution of primates. V. Z. Iurovskaja. Vop. antr. no. 11:29-42 '62.

LIVER—CIRRHOSIS

Concerning the etiology and hematological shifts in liver cirrhosis. A. K. Kulieva. Zdrav. Turk. 2 no. 6:15-17 N-D '58.

Effect of the somatotrophic hormone on the changes of blood protein fractions in experimental liver cirrhosis. L. A. Alimova. Vop. biol. i krav. med. no. 3:207-211 '62.

LIVER—DISEASES

Zikeeva, V. K. [Dietotherapy in liver and biliary tract diseases] Lechebnoe pitanie pri boleznakh pecheni i zholchnykh puti. Moskva, Medgiz, 1963. 44 p. (DNLM)

LIVER FLUKE see subdivision under Rovno Province

LOADING AND UNLOADING

(see also subdivision under Kuznetsk Basin; Ul'yanovsk)

Agricultural loaders. IU. I. Kocherygin, V. N. Bulsharkin. Trakt. i sel'khoz mash. 32 no. 12:41-44 D '62.

Automatic harbor. N. Bolgarov. Znanie-sila 38 no. 1:28-29 Ja '63.

Method and unit for unloading fish from kungas-type boats and other boats. V. M. Slesarenko. Shor. izobr. v ryb. prom. za 1959 g. 140-51.

Ore and steam; unloading frozen freight. E. Maslin. Izobr. i rats. no. 7:7-9 Jl '62.

Stop delays. V. Borisov. Konsom. zhizn' no. 7:10 Ap '63.

Types of agricultural loaders with intermittent operation. E. P. Morzhvinskaja, IU. I. Kocherygin, A. Kh. Gokhtel'. Trakt. i sel'khoz mash. 33 no. 1:19-24 Ja '63.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Design of storage battery operated loaders and the problem of the over-all mechanization of loading and unloading operations. G. Lychkovskii, I. Rakhis. Mor. flot. 23 no. 3:15-18 Mr '63.

Remarks on the article "Determining the indices of the level of over-all mechanization of loading and unloading operations." N. Fionov. Mor. flot. 23 no. 3:14 Mr '63.

LOBYREV, IVAN FEDOROVICH

A "millionaire." B. F. Battolov, S. P. Nekipelov. Metallurg 8 no. 4:14-15 Ap '63.

LOCAL ANESTHESIA

Anesthesia in operations on the stapes [with summary in English]. A. G. Likhachev, N. A. Preobrazhenskii, I. B. Riman. Vest. otorin. no. 4:43-50 '62.

Increasing the effect of local anesthesia in maxillofacial surgery. L. I. Pashchenko. Probl. stom. 6:338-341 '62.

Progress in local anesthesia in stomatology. S. N. Vaisbiat. Probl. stom. 6:332-337 '62.

Use of a potentiated local anesthesia. V. V. Stepaniants. Zdrav. Turk. 7 no. 1:16-21 Ja '63.

Vaisbiat, S. N. [Local anesthesia for operations on the face, the jaws, and the teeth] Mestnoe oibezboivanie pri operatsiakh na litse, cheljustiakh i zubakh. Kiev, Gosmedizdat USSR, 1962. 468 p. (DNLM)

LOCAL GOVERNMENT—HANDBOOKS, MANUALS, ETC. [Handbook for the personnel of rural soviets] Spravochnik dlia rabotnikov sel'skikh Sovetov. Moskva, Gosizdat, 1962. 749 p.

LOCAL HISTORY—BIBLIOGRAPHY see Bibliography—
Local history

LOCAL HISTORY—STUDY AND TEACHING

N.K. Krupskaya on the school study of local history and geography. P.I. Pidkasiy, Sov. pedagog. 27 no. 2; 104-112 F '63.

LOCAL TRANSIT

The conditions have been created, make proper use of them. N. Emel'yanov. Zhil.-kom. khoz. 13 no. 2; 18 '63.

It's up to you, comrade planners. N. Kochenov. Zhil.-kom. khoz. 13 no. 2; 3 '63.

Time wasted. V. Bolgov, I. Chernov. Zhil.-kom. khoz. 13 no. 3; 21 Mr '63.

LOCAL TRANSIT—ABSTRACTS

[Automotive and city transportation] Ref. zhur.: Avi, i gor. transp. no. 4 Ap '63. Avtorskiy ukazatel' za '62 g.

LOCAL TRANSIT—CONGRESSES

Outstanding drivers share experience. V. Trifonov, G. Liberman. Zhil.-kom. khoz. 13 no. 1; 18 '63.

LOCAL TRANSIT—EQUIPMENT AND SUPPLIES

The device became more reliable. G. Srapian. Zhil.-kom. khoz. 13 no. 3; 18 Mr '63.

LOCALIZATION OF SOUND see Sound, Localization of

LOCKS (HYDRAULIC ENGINEERING)

Jump across a dam. B. Malevichik, I.A. Notarius, Znanie-sila 38 no. 1; 33-35 Ja '63.

LOCOMOTIVE WORKS see subdivision under Lugansk Province

LOCOMOTIVES—TESTING

Khrapov, M.N., and S.A. Lapushkin, [Locomotive tests on the line] Opytnye poezdki s lokomotivami. Moskva, Transzheldorizdat, 1963, 183 p.

LOESS—ANALYSIS

Some data on water-soluble salts and the absorbing complex of loess. L.S. Melik-Davtian. Zap. LGI 44 no. 2; 169-173 '62.

LOGBOOKS

What a navigation log should be like. T. Palievskii. Grazhd. av. 12 no. 1; 22-24 Ja '65.

LOGGING (GEOLOGY)—QUALITY CONTROL

Quality of logging in prospecting for coal deposits. V.S. Gryzlov. Mat. GKZ no. 2; 52-64 '61.

LOGIC

Kasymzhanov, A. Kh. [Problem of the coincidence of dialectics with logic and the theory of knowledge; based on V.I. Lenin's "Philosophical notebook"] Problema sovpadeniya dialektiki, logiki i teorii poznaniya; po fillosofskim tetradiam V.I. Lenina. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962, 197 p.

Methodological problems in the theory of deduction [with summary in English, pp. 183-184]. V.N. Sadovskii. Vop. filos. 17 no. 3; 63-75 '63.

LOGIC, SYMBOLIC AND MATHEMATICAL

Comparison of bases in the realization of functions of algebra of logic by formulas. B.A. Subbotovskaya. Dokl. AN SSSR 149 no. 4; 784-787 Ap '63.

LOGGING ROADS see Forest roads

LONDON—EXHIBITIONS

Instruments for the analysis of substance constitution at the instrument exhibition in London. I.U. Georgievskii. Avtom. i prib. no. 1; 75-77 Ja-Mr '63.

LONGEVITY

(see also subdivision under Turkmenistan)

Artel', Sofia. [Human will can surmount old age] Volia pobezhdaet starost'. New York, 1963, 59 p.

LOUD SPEAKERS—TESTING

Using the noise band method for measuring nonlinear distortions [with summary in English on page 98]. V.M. Zhuravlev. Tekh. kino i telev. 7 no. 2; 42-47 F '63.

LOW BLOOD PRESSURE see Hypotension

LOWER TUNGUSKA VALLEY—MAGNESIOFERRITE

Magnesioferrite and magnetite mineralization of the Anakit uplift in the Lower Tunguska Valley [with summary in English]. V.V. Reverdatto. Geol. i geofiz. no. 11; 60-73 '62.

LOWER TUNGUSKA VALLEY—MAGNETITE

Magnesioferrite and magnetite mineralization of the Anakit uplift in the Lower Tunguska Valley [with summary in English]. V.V. Reverdatto. Geol. i geofiz. no. 11; 60-73 '62.

LUBRICATION AND LUBRICANTS

(see also subdivision under Kazakhstan)

Comparative evaluation of the quality and stability of oils obtained from eastern sulfur-bearing and Baku crudes. R.Sh. Kuliev, G.T. Musaev, E.K. Airapetova. Azerb. khim. zhur. no. 2; 31-39 '62.

From the editor. V.I. Titkov. Neftianik 8 no. 1; 34 Ja '63.

Improvement of an injector. I.U. Kulakov. Setl. mekh. no. 8; 29-30 '62.

Mizeri, A.A. [Use of metallic ceramics and capillary lubrication in the repair and modernization of textile machinery] Primeneniye metallokeramiki i kapillarnoi smazki pri remonte i modernizatsii tekstil'nogo oborudovaniya. Moskva, Rostekhlizdat, 1962, 99 p.

Papok, K.K., and N.A. Ragozin. [Technical dictionary—manual on fuel and oils] Tekhnicheskii slovar'—spravochnik po toplivu i maslam. Izd. 3., dop. i perer. Moskva, Gosoptekhizdat, 1963, 767 p.

Standardize lubrication for road and construction equipment. P.S. Vlasov. Stroitel'stvo, mash. 0 no. 2; 24 F '63.

LUBRICATION AND LUBRICANTS—TESTING

Service testing of the D-11 lubricant with a VNIINP-360 additive on V111-1hR216/310 engines. L.G. Ginzburg. Inform. sbor. TSNIMF no. 73, Tekh. eksp. i mor. flota no. 13; 67-84 '62.

LUCRETIUS CARUS, TITUS

Vitruvius and Lucretius. V.I. Rabinovich. Vop. filos. 17 no. 3; 130-133 '63.

LUGA DISTRICT—Q FEVER

Data on field studies in a Q fever focus. N.I. Amosenkova, A.B. Daiter, K.N. Klenov. Trudy Len. inst. epid. i mikrobiol. 23; 144-153 '61.

LUGANSK PROVINCE—CORN (MAIZE)

Determining the soil temperature at the depth of covering of corn seeds. M.D. Pavlova. Meteor. i gidrol. no. 3; 35-38 Mr '63.

LUGANSK PROVINCE—EFFICIENCY, INDUSTRIAL

Lugansk hour. H. Kononykh. Nauka i zhytlya 12 no. 1; 24-25 Ja '63.

LUGANSK PROVINCE—LOCOMOTIVE WORKS

Flagman of the Soviet locomotive industry. Z. Kompaniets. Nauka i zhytlya 12 no. 1; 45-47 Ja '63.

LUGANSK PROVINCE—PHARMACY

Summary of three years work of the central district pharmacies of Lugansk Province. N.S. Moskovets. Farmetsev. zhur. 17 no. 4; 52-55 '62.

LUMBER—DRYING

Byvshikh, M.D., and K.F. D'ianov. [Reference book for the foreman of a lumber kiln] Posobie mastora lesosushil'nogo tsekh. Moskva, Goslesbumizdat, 1962, 121 p.

Induction drying of wood. G. Mirvelanis. Stroitel' arkhiv. 11 no. 2; 37-38 F '63.

Unit for automatic control of wood drying. P.A. Davidenko and others. Sbor. izobr. v ryb. prom. za 1959 g.: 27-98.

LUMBER—TRANSPORTATION

Parfenov, G.M. [Hauling lumber with trucks and motor vehicles without skidding] Bestrelevochnaya vyvozka lesa traktorami i avtomashinami. Moskva, Goslesbumizdat, 1961, 89 p.

[Technology of lumbering and lumber transportation] Tekhnologiya lesozagotovki i transporta lesa. [By] N.G. Korshunov i dr. Moskva, Goslesbumizdat, 1962, 501 p.

LUMBER TRADE

Lumber export. N.A. Lur'e. Les. prom. 41 no. 1; 26-27 Ja '63.

LUMBERING

(see also subdivision under Gorky Province; Komi A.S.S.R.; Siberia, Western)

Improving the quality of production. A.I. Baryshnikov, B.K. Kharlampovich. Les. prom. 41 no. 1; 12-14 Ja '63.

Interoperational reserves of full-length logs. A. Shcherbakov. Les. prom. 41 no. 1; 15-18 Ja '63.

Some problems in forestry science. L.V. Roos. Les. prom. 41 no. 1; 8-9 Ja '63.

Striving to carry out the plan of the fifth year of the seven-year period. Les. prom. 41 no. 1; 1-3 Ja '63.

[Technology of lumbering and lumber transportation] Tekhnologiya lesozagotovki i transporta lesa. [By] N.G. Korshunov i dr. Moskva, Goslesbumizdat, 1962, 501 p.

LUMBERING—BIBLIOGRAPHY see Bibliography—
Lumbering

LUMBERING—ECONOMIC ASPECTS see subdivision
under Siberia, Eastern

LUMBERING—LABOR PRODUCTIVITY

Possibilities of increasing labor productivity at lumbering camps. N.A. Bochkov. Les. prom. 41 no. 1; 5-6 Ja '63.

LUMBERING—MACHINERY

Single-grab type feeder. F.M. Shershen', V.P. Egorov, K.N. Kolomoitsev. Les. prom. 41 no. 1; 11 Ja '63.

Unit for gathering branches. P.P. Nikitin. Les. prom. 41 no. 1; 20 Ja '63.

Vil'ke, G.A. [Fundamentals of the automatic control and automation of the industrial processes of lumbering enterprises] Osnovy avtomatiki i avtomatizatsii proizvodstvennykh protsessov lesopromyshlennykh predpriyatiy. Moskva, Goslesbumizdat, 1962, 450 p.

LUMBERMEN see subdivision under Chalna

LUMBERMEN—EDUCATION AND TRAINING

Some forms of organizing a practical degree project. V.V. Schmidt. Sred. spets. obr. 10 no. 2; 34-35 F '63.

LUMINESCENCE

Characteristics of the thermoluminescence of zinc oxide. I.A. M. Zelikin, G.T. Paracheva. Opt. i spekt. 13 no. 4; 554-557 O '62.

Effect of an electric field on the γ -luminescence of ZnT single crystals. B.T. Fedushin. Opt. i spekt. 13 no. 4; 550-563 O '62.

Energy absorption in electroluminescence. A.N. Georgobiani, E.IU. L'vova, M.V. Fok. Opt. i spekt. 13 no. 4; 564-568 O '62.

Investigation of energy transfer processes by the luminescence and radiation chemistry methods. V.A. Kravtsov, I.N. Vasil'ev. Kin. i kat. 4 no. 1; 67-75 Ja-F '63.

Luminescence of the uranyl-phthalocyanine complex. G.N. Lialin, G.I. Kobyshev. Dokl. AN SSSR 148 no. 5; 1053-1056 F '63.

New microluminescence method of titration of small amounts of a substance in solutions. Report No. 3. Determination of aluminum [with summary in English] K.P. Stoliarov, N.N. Grigor'ev. Zhur. anal. khim. 3 no. 5; 565-567 Ag '62.

Photoluminescent and scintillation properties of certain oxazole derivatives in polystyrene. L.L. Nagornaya, V.D. Bezuglyi, N.P. Dornichenko. Opt. i spekt. 13 no. 4; 518-521 O '62.

Quenching of the luminescence of solutions by foreign substances. A.M. Samson. Opt. i spekt. 13 no. 4; 511-517 O '62.

Recombination processes of free radicals on semiconductor surfaces and their role in luminescence. E.G. Volkenshtein, A.N. Gorbun', V.A. Sokolov. Kin. i kat. 4 no. 1; 24-34 Ja-F '63.

Spectra of anode and cathode flashes of near-ultraviolet luminescence in an electrolytic cell. V.V. Mikhov. Opt. i spekt. 13 no. 4; 604-605 O '62.

LUMUMBA, PATRICE, 1925-1961

Visiting with Patrice Lumumba's brother. I. Stepanov. Ogonek 40 no. 40; 8 D '62.

LUNGS—DISEASES

Borokhov, A.I. [Clinical aspects of a chronic non-specific inflammatory and sclerotic process within the lungs] Klinika khronicheskogo nesposobicheskogo vospalitel'no-skleroticheskogo protsesssa v legkikh. Smolensk, [Smolenskoe knizhnoe izd-vo] 1962, 255 p. (DNLN)

LUNGS—HYDATIDS

Diagnostic importance of a modification of Casati's reaction in pulmonary echinococcosis. K.A. Tsybyshev. Trudy Kish. gos. med. inst. 13; 149-159 '60.

LUNINO DISTRICT—COLLECTIVE FARMS—STATISTICS

Analyzing the collective farm economy of districts by using the grouping method. V. Balykov. Vest. stat. no. 3; 14-21 '63.

LUPINE

Role of nodule bacteria in the nitrogen nutrition of leguminous plants [with summary in English]. L.M. Lazarskii, N.M. Lazareva, V.T. Entsev. Mikrobiologiya 31 no. 8; 1061-1066 N-D '62.

LUPUS ERYTHEMATOSUS

Infectious factor in lupus erythematosus disseminatus. R.S. Ivanov, V.V. Mikhailov. Vop. pat. krovi i krovoobr. no. 8; 122-129 '61.

LVOV—ARMENIANS

Early history of the Armenian colony in the city of Lvov. I.P. Kryplakovich. Ist.-filol. zhur. no. 1; 163-171 '63.

Some data on Armenian libraries in Lvov in the 17th century. N. Krivonos. Ist.-filol. zhur. no. 1; 271-218 '63.

LVOV—DRUG INDUSTRY

Arsenal of health. S. Semenuk. Znan. ia pratsia no. 1; 20-21 Ja '63.

LVOV—LIBRARIES

Some data on Armenian libraries in Lvov in the 17th century. N. Krivonos. Ist.-filol. zhur. no. 1; 271-218 '63.

LVOV—MACHINERY INDUSTRY

Simple mechanization. G.S. Orlovskii. Mashinostraitel' no. 2; 10-11 F '63.

LVOV—UNIVERSITIES AND COLLEGES—ADMINISTRATION

Here they are always concerned about the students' daily routine and leisure. Vest. vys. shkoly 21 no. 4; 78-77 Ap '63.

LYOV PROVINCE—BOOKSELLERS AND BOOKSELLING
Sorting section of the wholesale base of a province consumers' cooperative union. A. Morgun, V. Rebitskii. Sov. knizh. torg. 14 no. 3:25 Mr '63.

LYOV PROVINCE—INDUSTRIAL ORGANIZATION
First Soviet firms. I. S. Hrushets'kii. Ukr. ist. zhur. 6 no. 1:3-12 Ja-F '63.

LYOV PROVINCE—UKRAINIAN LANGUAGE—DIALECTS
Morphologic characteristics of the language in the "Vityvskiy books" of the 16th and 17th centuries from the village of Odrakova in the former Syanots'kyy District of Lemberg. I. M. Keryts'kii. Dosl. i mat. z ukr. movy 5:90-110 '62.

LYOV-VOLYN' BASIN—COAL—ANALYSIS
Using induced potentials in studying the grade composition of coals in the Lyov-Volyn Basin. E. I. Dem'yanovskaya. Geofiz. sbor. no. 1:112-115 '62.

LYOV-VOLYN' BASIN—COAL GEOLOGY
[Lyov-Volyn' Basin] L'vivs'ko-Volyns'kii kam'ianovol'nyi basain. [By] D. P. Bohovnyk ta inshi. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 143 p.

LYOV-VOLYN' BASIN—PALEOBOTANY
Hystrichospheridia in Jurassic deposits of the Lyov-Volyn' Coal Basin. E. Z. Isagulova. Dokl. AN SSSR 148 no. 5:1156-1158 F '63.

LYE
Spent lye is a plasticizer for construction mortars. A. Takh, Zhil. -kom. khoz. 13 no. 2:20-29 '63.

LYMPHADENOMA see Hodgkin's Disease

LYSIMETER
Dynamics of chemical properties of soil waters and loss of soil formation elements and fertilizers from the arable layer of slightly cultivated highly Podzolic turf soils; according to the results of the first year of lysimeter use. F. I. Levin. Pov. plod. poshy nechernozem. pol. no. 2:50-54 '62.

LYSOZYME
Change in the activity of egg albumin lysozyme in the process of embryogeny. D. F. Pletail, V. G. Krasnianskaya. Dokl. AN SSSR 149 no. 2:478-480 Mr '63.
Study of the immunobiological state in parodontosis according to the phagocyte count and the content of lysozyme in the saliva. N. F. Golovina, O. D. Tsyganenko. Probl. stom. 6:73-78 '62.

MACHINE ACCOUNTING
From the practice of centralized accounting for payments. G. Repin, N. Kantorov. Bukhg. uch. 20 no. 2:55-56 F '63.

Improve accounting in public dining enterprises. V. Charnis and others. Bukhg. uch. 20 no. 2:26-38 F '63.

Introduce machine accounting in railroad transportation more widely. A. Trofimov, G. Koliada, L. Chernyshev. Bukhg. uch. 20 no. 3:37-43 Mr '63.

Mechanization of accounting in the Moscow Southern Harbor. A. Glebov, Bukhg. uch. 20 no. 3:46-49 Mr '63.

Mechanize original accounting. S. Somchuk. Bukhg. uch. 20 no. 2:12-18 F '63.

New machines in operation. V. Gorshkov and others. Den. i kred. 21 no. 3:51-57 Mr '63.

MACHINE ACCOUNTING—PROBLEMS, EXERCISES, ETC.

Mylnichenko, A. F. [Collection of problems and exercises for the course on "Calculating machines and their utilization in accounting"] Sbornik zadach i uprazhnenii po kursu "Scheinye mashiny i ikh ispol'zovanie v uchete." Moskva, Vysshaya shkola, 1962. 181 p.

MACHINE-SHOP PRACTICE
Dmitrovich, A. M. [Preparatory and fitting benchwork] Zagotovitel'nye i prigonochnye slesarnye raboty. Minsk, Gos. izd-vo BSSR. Redaktsiya proizvodstvennoi lit-ry, 1962. 166 p. (Biblioteka slesarila, no. 2)

MACHINE-TOOL INDUSTRY
(see also subdivision under Moscow; Vilnius)
Along Lenin's road toward a great goal. Stan. i instr. 34 no. 4:1-2 Ap '63.

MACHINE TOOLS
Modernizing the stop unit of the automatic four-spindle machine manufactured by Hasse Wrede Company. V. T. Kerovin, N. G. Dunerman, V. E. Tarasenko. Stan. i instr. 34 no. 4:34-35 Ap '63.

New machine tools. Stan. i instr. 34 no. 4:38-40 Ap '63.

Pronikov, A. S., and A. M. Dal'skii. [Reliability of machine tools] Nadezhnost' metallorezhushchikh stankov. [Moskva] Mosk. rabochii, 1962. 187 p.

Zaitsev, P. P. [Hydraulic duplicating devices of machine tools] Gidrokopiroval'nye ustroystva metallo-rezhushchikh stankov. Moskva, Mashgiz, 1963. 135 p.

MACHINE TOOLS—BIBLIOGRAPHY see Bibliography—Machine tools

MACHINE TOOLS—CATALOGS
TSentral'nyi institut nauchno-tekhnicheskoi informatsii po avtomatizatsii i mashinostroeni. [Machine tools; a catalog] Metallorezhushchii stanki; katalog. Moskva, 1962. 214 p.

MACHINE TOOLS—DESIGN AND CONSTRUCTION
Goranskii, G. K. [Theory of the automation of engineering work; using algorithms in designing machine tools] K teorii avtomatizatsii inzhenernogo truda; algoritmolozhna proektirovaniya metallorezhushchikh stankov. Minsk, Izd-vo Akad. nauk BSSR, 1962. 214 p. [MICROFILM]

MACHINE TOOLS—HYDRAULIC DRIVE
Hydraulic drive of power packs of machine-tool units abroad. L. S. Bron, Zh. E. Tariatovskii. Stan. i instr. 34 no. 4:28-33 Ap '63.

MACHINE TOOLS—NUMERICAL CONTROL
Ravva, Zh. S., and M. I. Tsiaf. [Program control systems and their elements] Sistemy programnogo upravleniya i ikh elementy. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962. 187 p.

MACHINE TOOLS—PATENTS
Foreign patents. Stan. i instr. 34 no. 4:41-42 Ap '63.

MACHINE TOOLS—TECHNOLOGICAL INNOVATIONS
Merry-go-round is turning. IU. Kham'ianov. Izobr. i rats. no. 7:20 Ji '62.

MACHINERY
[Mechanical engineer's handbook; in six volumes] Spravochnik mashinostroitel'ia; v shesti tomakh. Izd. 3., ispr. i dop. Moskva, Mashgiz.
Vol. 4. Book 2. Pod red. N. S. Acherkana. pp. 450-931.

MACHINERY—ABSTRACTS
[Materials for machinery manufacture and the design of machine parts] Ref. zhur.: Mashinostroi. mat., konstr. i rasch. dot. mash. no. 4 Ap '63.
[Technology of machinery manufacture] Ref. zhur.: Tekh. mashinostroi. no. 4 Ap '63.

MACHINERY—BIBLIOGRAPHY see Bibliography—Machinery

MACHINERY—DESIGN AND CONSTRUCTION
Automation of the assembly of parts joined along smooth cylindrical surfaces. V. V. Kostlov. Trakt. i sel'khoz. mash. 32 no. 12:33-38 D '62.
[Machinery designer's handbook] Spravochnik konstruktora-mashinostroitel'ia. [By] V. I. Anur'ev, F. E. Kalashnikov, I. M. Maslennikov. Izd. 2., perer. i dop. Moskva, Mashgiz, 1962. 687 p.

MACHINERY—EXHIBITIONS
Exhibition of the work of research institutes and design offices of the State Committee of the Council of Ministers of the U.S.S.R. on Automation and Machine Manufacture. A. N. Volda. Trakt. i sel'khoz. mash. 33 no. 1:48-p. 3 of cover Ja '63.

MACHINERY—FOUNDATIONS
Installing a foundation with antivibration mountings for a drop hammer. F. Gitman, I. Belotserkovskii. Prom. stroi. i inzh. soor. 4 no. 1:20-31 Ja-F '63.

MACHINERY—HYDRAULIC DRIVE
Bogdanovich, L. B. [Hydraulic drives in machinery; diagrams and designs] Gidravlicheskie privody v mashinakh; skhemy i konstruktsii. Moskva, Mashgiz, 1962. 222 p.

MACHINERY—MAINTENANCE AND REPAIR
(see also subdivision under Volgograd)
Planning the practical work at the second stage of industrial training in repairing industrial equipment. Shkola i proizv. 6 no. 11:89-90 N '62.
Repair work at a machinery depot of the U.S.S.R. should be conducted on a scientific basis. G. Vol'pert. Plan. khoz. 40 no. 4:60-74 Ap '63.

MACHINERY—MODELS
We build our own models. A. A. Zhdanko. Vest. vyzh. shkoly 21 no. 4:77-78 Ap '63.

MACHINERY, AUTOMATIC
Transfer-machine units and lines with a step-by-step tracking device. A. S. Shipanov. Vest. mashinostroi. 43 no. 2:52-56 F '63.

MACHINERY INDUSTRY
(see also subdivision under Donetsk Basin; Europe, Eastern; Lvov; Penza; Podolsk; Sverdlovsk; Ukraine; Vitebsk)

Belousov, A. [Organizing technical control in machinery plants] Voprosy organizatsii tekhnicheskogo kontrolya na mashinostroitel'nykh zavodakh. Riga, TSentr. bluro tekhn. informatsii, 1962. 17 p. [Listok tekhnicheskoi informatsii]

Denisenko, V. V. [Using wooden sliding-friction parts in machinery] Primenenie v mashinakh drevesnykh detalei skol'zashchego trenila. Moskva, Goslesbunizdat, 1962. 87 p.

Kuyshinskii, V. V. [Fundamentals of the automation of technological processes in the machinery industry] Osnovy avtomatizatsii tekhnologicheskikh protsessov v mashinostroeni. Moskva, Mashgiz, 1962. 258 p.

Let's go further. E. Temchin. Ogonek 40 no. 47:8 N '62.

Polymers should be used in the manufacture of machinery. A. Dem'ianovich. NTO 5 no. 2:13-16 F '63.

Specialization in the machinery industry. K. K. Vinogradov. Vest. mashinostroi. 43 no. 2:3-8 F '63.

[Steelmaking in machine manufacturing plants] Staleplavil'noe proizvodstvo na mashinostroitel'nykh zavodakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 1, No. M-58-37/2) No. 1, 1958. 14 p.

Vsesoluzhnoe ob'edinennoe soveshchanie po avtomatizatsii proizvodstvennykh protsessov v mashinostroeni i avtomatizirovannomu elektroprivodu v promyshlennosti. 3d. Moscow, 1959. [Automation of production processes in the machinery industry] Avtomatizatsii protsessov mashinostroeni; [trudy]. Moskva, Izd-vo Akad. nauk SSSR.

Vol. 3. [Machining, hardening, assembling] Obrabotka rezaniem, uprochnenie i sborka. 1963. 219 p.

MACHINERY INDUSTRY—ABSTRACTS

[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur.: Vop. tekhn. prog. i org. proizv. v mashinostroi. nos. 3-4 Mr-Ap '63.

MACHINERY INDUSTRY—ACCOUNTING see subdivision under Moscow; Novocherkassk; Odessa

MACHINERY INDUSTRY—AUDITING AND INSPECTION see subdivision under Kostroma

MACHINERY INDUSTRY—BIBLIOGRAPHY see Bibliography—Machinery Industry

MACHINERY INDUSTRY—COSTS

Daily accounting for costs in machinery manufacturing enterprises. V. Spirin, Bukhg. uch. 20 no. 3:15-18 Mr '63.

MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Potentials for increasing production and their planned utilization. M. Asval'dov. Vop. ekon. no. 2:3-15 F '63.

Statistical study on the utilization of production equipment in machinery manufacturing enterprises of regional economic councils. A. Kravskii. Vest. stat. no. 3:63-67 '63.

There should be accounting for the utilization of production equipment in machinery manufacturing plants. A. Chernyi. Vest. stat. no. 3:69-71 '63.

MACHINERY INDUSTRY—HYGIENIC ASPECTS
Technological aesthetics and improving production conditions. I. Trakhtenberg. Sot. trud 8 no. 3:57-61 Mr '63.

MACHINERY INDUSTRY—MANAGEMENT
(see also subdivision under Dresden; Kharkov; Sverdlovsk)

Lomanov, F. M. [Production and organization structure of machinery plants] Proizvodstvennaya i organizatsionnaya struktura mashinostroitel'nykh predpriyatii. Moskva, Mashgiz, 1962. 97 p.

Vlasov, B. V. [Ways to save labor in auxiliary work in industry] Puti ekonomii truda na vspomogatel'nykh rabotakh v promyshlennosti. Izd. 2., ispr. i dop. Moskva, Ekonomizdat, 1962. 242 p.

MACHINERY INDUSTRY—PRODUCTION STANDARDS
Improve the organizational standards of auxiliary work. M. Shor. Sot. trud 8 no. 4:40-43 Mr '63.

Shapchenko, A. A. [Methodology of establishing norms for unfinished production] Metodika normirovaniya nezavershenogo proizvodstva. Moskva, Ekonomizdat, 1963. 113 p.

MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Current problems in the organization of transportation work in industry. V. Belokhrinitskii. Sot. trud 8 no. 3:44-51 Mr '63.

MACHINERY INDUSTRY WORKERS see subdivision under Kramatorsk; Pervomayskiy (Tambov Province)

MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING
(see also subdivision under Kiev Province)

For the attention of engineering and technical workers in the machinery industry. Sot. trud 8 no. 3:159 Mr '63.

Twenty-fifth anniversary of the Kramatorsk mechanical engineering school. I. A. Medvedev. Sred. spets. obr. 10 no. 2:50-55 F '63.

MACROMOLECULAR COMPOUNDS

Isent'ev, P. A. [Thickening agents and adhesives made of specially prepared macromolecular compounds] Zagushchalushchite i kleishchle materialy iz spetsial'no podgotovlennykh vysokomolekulyarnykh soedinenii. Moskva, Izd-vo nauchno-tekhn. lit-ry, RSFSR, 1960, 58 p.

[MICROFILM]

Polymers with inorganic chains of molecules. K. A. Andrianov, A. I. Petrashko, E. A. Asnovich. Khim. prom. no. 1:7-18 Ja '63.
MCTAGGART, JOHN MCTAGGART ELLIS, 1866-1925 John McTaggart and his concept of dialectic [with summary in English]. M. A. Kissei. Vest. LGU 18 no. 5: 65-77 '63.

MAGADAN PROVINCE—METALWORK

Zakharov, G. A. [Special features and prospects for developing the metalworking industry in Magadan and Kamchatka Provinces] Osobennosti i perspektivy razvitiya metallobrabatyvayushchei promyshlennosti Magdanskoi i Kamchatskoi oblastei. Novosibirsk, Izd-vo Sibirskogo otd-niya AN SSSR, 1962, 101 p.

MAGNESIOFERRITE see subdivision under Lower Tunguska Valley

MAGNESIUM—ELECTROMETALLURGY

Physicochemical principles and new data on the experimental investigation of the carbothermic method of preparing magnesium in the vacuum. E. I. Khazanov. Trudy Vost.-Sib. fil. AN SSSR no. 43:95-111 '62.

MAGNESIUM—METALLURGY

Vainshtein, G. M., E. P. Lokeshin, and I. A. Tsenter. [Improving the procedure of melting and casting primary magnesium and magnesium alloys] Usovshchestvovanie tekhnologii plavki i lit'ia pervichnogo magniia i magnielykh splavov. Moskva, Metallurgizdat, 1962, 34 p.

MAGNESIUM ALLOYS—METALLOGRAPHY

Effect of certain addition alloys on magnesium recrystallization. M. E. Drits and others. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:191-198 Ja-F '63.

MAGNESIUM-ALUMINUM ALLOYS see Aluminum-magnesium alloys

MAGNESIUM COMPOUNDS

Syntheses based on anabasine. Part 16: Reactions of N-oxides of N-methylanabasine with methyl magnesium iodide. O. S. Otroshchenko and others. Zhur. ob. khim. 33 no. 3:1036-1041 Mr '62.

MAGNESIUM OXIDES

Interaction of aluminum carbide and magnesium oxide. E. I. Khazanov and others. Trudy Vost.-Sib. fil. AN SSSR no. 43:112-126 '62.

Reaction of aluminum carbide with magnesium oxide. E. I. Khazanov and others. Zhur. prikl. khim. 36 no. 2: 251-263 F '63.

MAGNESIUM SULFATE

System $MgSO_4 - H_2SO_4 - H_2O$. D. P. Belotskii, M. F. Khokhol. Zhur. neorg. khim. 8 no. 4:1014-1016 Ap '63.

MAGNESIUM TITANATES

Experimental study of secondary electron emission characteristics of magnesium orthotitanate. G. A. Chulko, I. V. Sigikov. Radiotekh. i elektron. 8 no. 3: 487-493 Mr '63.

MAGNESIUM-ZINC-ALUMINUM ALLOYS see Aluminum-magnesium-zinc alloys

MAGNETIC AMPLIFIERS

Magnetic amplifiers as linear four-terminal networks. Part 1 [with summary in English]. L. V. Safrys. Avtomatyka 8 no. 1:25-38 '63.

Problem concerning the design of transformers and magnetic amplifiers for operation on frequencies from 2 to 10 c.p.s. A. I. Artem'ev. Izv. vys. ucheb. zav. energ. 6 no. 2:19-26 F '63.

MAGNETIC ANOMALIES

(see also subdivision under Dnieper Valley)

Analytical method for distinguishing anomalies. N. K. Stupak. Geofiz. sbor. no. 2:41-45 '62.

Determination of the 1/5 magnitude of obliquely magnetized two-dimensional bodies. V. N. Strakhov. Izv. AN SSSR, Ser. geofiz. no. 2:333-335 F '63.

Interpretation of magnetic anomalies ΔT_k by the frequency method. O. A. Solov'ev. Geol. i geofiz. no. 11:126-129 '62.

MAGNETIC CIRCUITS

Capacitance in a symmetrical system of cylinders with alternating polarity. L. D. Oslovich, A. M. Shor. Izv. vys. ucheb. zav. energ. 8 no. 2:35-41 F '63.

Study of transfluxors with four apertures. V. P. Krotenko. Avtomatyka 8 no. 1:59-62 '63.

MAGNETIC FIELDS

Cyclotron instability of an inhomogeneous plasma [with summary in English]. A. B. Mikhailovskii, A. V. Timofeev. Zhur. eksp. i teor. fiz. 44 no. 3:919-921 Mr '63.

Diffusion of charged plasma particles in a magnetic field. V. E. Golant. Usp. fiz. nauk 79 no. 3:377-440 Mr '63.

Dynamic elasticity moduli, rotation of the polarization plane of elastic waves, and coupled longitudinal-transverse waves in magnetically polarized metals [with summary in English]. K. B. Vlasov, B. N. Filippov, Zhur. eksp. i teor. fiz. 44 no. 3:922-933 Mr '63.

Quantization for quasi-particles with a periodic dispersion law in a high magnetic field [with summary in English]. M. I. Azbel'. Zhur. eksp. i teor. fiz. 44 no. 3: 980-982 Mr '63.

Solution of the problem of the motion of interacting particles of like charge in a "magnetic bottle" using an electronic computer. S. P. Lomnev. Dokl. AN SSSR 148 no. 5:1049-1052 F '63.

Stability of a spatially inhomogeneous plasma in a magnetic field [with summary in English]. A. B. Mikhailovskii, L. I. Rudakov. Zhur. eksp. i teor. fiz. 44 no. 3: 912-918 Mr '63.

"Static skin effect" for currents in a high magnetic field and the resistance of metals [with summary in English]. M. I. Azbel'. Zhur. eksp. i teor. fiz. 44 no. 3:983-998 Mr '63.

Structure of a magnetic toroidal field having no magnetic surfaces. I. M. Gel'fand and others. Dokl. AN SSSR 148 no. 6:1286-1289 F '63.

"Universal" instability of an inhomogeneous plasma in a magnetic field [with summary in English]. A. A. Golov, V. N. Orlovskii, R. Z. Sagdeev. Zhur. eksp. i teor. fiz. 44 no. 3:903-911 Mr '63.

MAGNETIC FIELDS—PHYSIOLOGICAL EFFECT

Mechanism of the biological action of a pulsed magnetic field. N. A. Solov'ev. Dokl. AN SSSR 149 no. 2:438-441 Mr '63.

MAGNETIC INSTRUMENTS

Passage of a plasmod through an adiabatic trap with magnetic mirrors. N. N. Breynev, A. I. Matulis. Atom. energ. 14 no. 4:354-358 Ap '63.

MAGNETIC MATERIALS

Magnetic viscosity of ferromagnetic materials as dependent on the size of the specimens. A. N. Remizov, S. S. Lavrent'ev. Uch. zap. Mosk. gor. ped. inst. 86:43-78 '60.

Theory of nonuniform chains of antiferromagnetic spins [with summary in English]. L. N. Bulaevaldi. Zhur. eksp. i teor. fiz. 44 no. 3:1008-1014 Mr '63.

MAGNETIC MEMORY (CALCULATING MACHINES)

Memory cell for feeding electroluminescent indicators. B. M. Bykovskii, V. A. Shapovalova. Avtom. i prib. no. 1:85-86 Ja-Mr '63.

Universal magnetic drum. R. I. Chernak and others. Avtom. i prib. no. 1:72-74 Ja-Mr '63.

MAGNETIC PROSPECTING

Calculation of the depth of occurrence and the magnetization of disturbing bodies based on T curves. V. K. Plamitskii, L. M. Iaroslavtseva. Trudy SNIIGGIMS no. 26:160-168 '62.

Methods of the reconnaissance magnetic survey. N. P. Mikhailova. Geofiz. sbor. no. 1:99-102 '62.

Using the method of tangents in the interpretation of Δg curves over a vertical offset. Geol. i geofiz. no. 12: 109-114 '62.

MAGNETIC RECORDERS AND RECORDING

Device for observing phase relationships in stereophonic recording. A. Arshinov, I. U. Voznesenskii. Radio no. 4:51-54 Ap '63.

Our consultations. Radio no. 4:62-63 Ap '63.

Tape rewinding in the "Kazan'-2" phonograph-tape recorder combination. S. Bolotov. Radio no. 4:44 Ap '63.

Universal amplifier for a magnetic tape recorder (from "Das Elektron," no. 19 1962). Radio no. 4:61 Ap '63.

MAGNETISM

Shtrauf, E. A. [Physics course for institutions of higher technical education] Kurs fiziki dlia vysshikh tekhnicheskikh uchebnykh zavedenii. Leningrad, Sudpromgiz, Vol. 2, [Electricity and magnetism] Elektrichestvo i magnetizm. 1962, 552 p.

MAGNETISM, TERRESTRIAL

Pulsation-type fluctuations of the electromagnetic field of the earth based on observations in Irkutsk. P. A. Vinogradov. Geol. i geofiz. no. 11:114-124 '62.

Simple interrelation of the accuracy of surveying, density of observation points, image scale, and intersection of isanoms in gravimetric and magnetometric investigations. G. T. Sobakar'. Geofiz. sbor. no. 1:50-55 '62.

MAGNETITE see subdivision under Lower Tunguska Valley

MAGNETOHYDRODYNAMICS

Volkov, Iu. M. comp. and tr. [Plasma in a magnetic field and direct conversion of thermal energy to electric power. Articles translated from the English] Plazma v magnitnom pole i priamoie preobrazovanie teplovoi energii v elektricheskuiu; sbornik statei. Pod red. L. I. Dormana. Moskva, Gosatomizdat, 1962, 470 p.

MAGNETORESISTANCE

Quantum oscillations of magnetoresistance in n-InSb in high pulsed magnetic fields. Kh. I. Amirkhanov, D. F. Bashirov, Iu. E. Zakiev. Dokl. AN SSSR 148 no. 6: 1279-1282 F '63.

MAGNITOGORSK—SHOE INDUSTRY

Visiting store. V. Mikhlin. Smenn 40 no. 5:3-5 Mr '63.

MAGNITOGORSK REGION—IRON MINES AND MINING

Rejuvenation of the Magnitogorsk Metallurgical Comb. L. Ilin. NTO 5 no. 4:55-58 Ap '63.

MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1894-1930

What brought me close to Maikavskii. Nikolai Anreev. Ogonek 41 no. 9:20-21 F '63.

MAIZE see Corn (Malze)

MAKARENKO, ANTON SEMENOVICH, 1908-1939

A. S. Makarenko, an outstanding Soviet educator. V. S. Aranskii, A. I. Piskunov. Sred. shkola, 10 no. 4: 81-82 Mr '63.

A. S. Makarenko and our times; on the occasion of A. S. Makarenko's 75th birthday anniversary. N. P. Kosheval'skii. Sov. pedagog. 27 no. 3:113-120 Mr '63.

A. S. Makarenko on the formation of moral values on the occasion of his 75th birthday anniversary. A. V. Eshchenkov. Sov. pedagog. 27 no. 3:103-112 Mr '63.

An educator and promoter of atheism. O. Neapol'skiy. I. Ubyivovk. Volov. ateist 3 no. 3:41-42 Mr '63.

How the "Book for parents" was created. V. G. Gerasimov. Sem'ia i shkola 18 no. 3:13-15 Mr '63.

In the midst of a child's life. S. Sivokon. (4) Shkola i Sem'ia i shkola 10 no. 3:36-38 Mr '63.

Pedagogics of "tomorrow's joy." A. Levashin. Sem'ia i shkola 18 no. 3:2-5 Mr '63.

Some problems concerning the theoretical heritage of A. S. Makarenko; on the 75th anniversary of his birth [with summary in English]. S. I. Kiselev. Vest. LGU 18 no. 5:132-130 '63.

Use of A. S. Makarenko's pedagogical legacy in vocational and technical schools. S. Kiselev. Prof. i tekhn. shk. 20 no. 3:12-14 Mr '63.

"Without formalistic exaggeration": two letters by A. S. Makarenko on poetry. V. Zaitsev. V mire knig 3 no. 3:41 Mr '63.

MAKSA'IKHA—GROCERY TRADE—MANAGEMENT

Ekaterina Aksenova's new initiative. M. Trifonchuk. Sov. potreb. koop. 7 no. 4:21-22 Ap '63.

MAKSIMOV, VLADIMIR

"Lively person" by Vladimir Maksimov. Reviewed by V. Dorofeev. V mire knig 3 no. 4:20-20 Ap '63.
"Man very much alive"; a tale by Vladimir Maksimov. Reviewed by Lentina Ivanova. Znamia 33 no. 3:215-217 Mr '63.

MAKSIMOVICH, GEORGI ALEKSEEVICH

List of published works by Professor Georgii Alekseevich Maksimovich, Doctor of Geological and Mineralogical Sciences. Khim. geol. no. 1:7-21 '61.

MAKUSHIN, PETR IVANOVICH, 1844-1926

First bookstore in Siberia. E. Feldman. Sov. kul't. iorg. 14 no. 2:44-45 F '63.

MALACHITE GREEN

Effect of oxygen on the binding of dyes by proteins during irradiation. T. E. Pavlovskaya, A. G. Panyushkin. Dokl. AN SSSR 149 no. 4:970-978 Ap '63.

MALAYA—ETHNOLOGY—MAIS

Berezina, M. I. A., and S. I. Bruk. [Map of the peoples of Indonesia, Malaya and Philippines] Karla narodov Indonezii, Malaii, i Filipin. Moskva, Akad. nauk SSSR, 1962, 2 fol. maps.
——— [Population of Indonesia, Malaya and Philippines] Naselenie Indonezii, Malaii i Filipin. 1962, 92 p.

MALAYA BOTUOBUYA VALLEY—SOILS—ANALYSIS

Some data on the soils in the Malaya Botuobuya Valley. L. G. Elovskaya. Nauch. soob. IAFAN SSSR no. 2:31-35 '60.

MALDIVES ISLANDS—FISHERMEN

Secret of Khusein Fulu. Vadim Kassia. Ogonek 41 no. 11:22-23 Mr '63.

MALINGERING

Simulated schizophrenia. A. S. Kiselev. Prakt. psichiat. i psikh. ekapert. no. 7:21-27 '62.

MALLOW see subdivision under Moldavia

MALT

Scientific and technical conference on malt production. Spirt. prom. 29 no. 2:47 '63.

MALT—DISINFECTION

Using formaldehyde solutions for the disinfection of grain malt. N. S. Kitaev. Spirt. prom. 29 no. 2:43-45 '63.

MALT—DRYING

Studying the process of rye malt drying by means of infrared rays. E. A. Isakova. *Izv. vyz. ucheb. zav.;* *plishch. tekhn.* no. 1:42-44 '63.

MALTHUSIANISM

Khudushyn, P. S. [Communism and the regeneration of soils] *Kommunizm i obnovlennia zemli.* Kyiv, Derzh-politvydav URSR, 1962. 169 p.

MALYSHKO, ANDRII, 1912-

Republic Academic Session on A. Malysheko. *Rad. lit.* 7 no. 1:149-150 Ja-F '63.

Ringling voice of a poet: on Andrii Malysheko's 50th birthday. Musil Bogutskii. *Sov. Ukr.* 12 no. 11:154-161 N '62.

MAMIN, DMITRII NARKISOVICH, 1852-1912

[D. N. Mamin-Sibirskii in the reminiscences of his contemporaries] D. N. Mamin-Sibirskii v vospominaniakh sovremennikov. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 350 p.

MAMMOTH see subdivision under Sola Valley; Ukraine

MANGANESE

Moscow. Vsesoluznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. [Industry's requirements as to the quality of mineral raw materials] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravoch-nik dlia geologov. Izd. 2., perer. Moskva, Gosgeol-tekhnizdat.

No. 24. Zverev, L. V., and G. I. Kontorovich. [Manganese] *Manganofa.* Nauchn. red. G. B. Chernyshev. 1960. 57 p.

MANGANESE ORES

(see also subdivision under Kerkh Basin)

Melting process in basic open-hearth furnaces with use of low-grade manganese ore. E. I. Arzamastsev, P. V. Umrlikhin. *Izv. vyz. ucheb. zav.;* *chern. met.* 6 no. 2: 58-67 '63.

Some diagenetic textures in manganese-bearing layers. E. A. Sokolova. *Geol. rud. mestorozh.* 5 no. 1:65-74 Ja-F '63.

MANGANESE SILICATES—THERMAL PROPERTIES

Thermochemical characteristics of manganese silicates. G. A. Toporishchev, O. A. Esin. *Izv. vyz. ucheb. zav.;* *chern. met.* 6 no. 2:16-22 '63.

MANGANESE SULFATES

Solubility in the system $MnSO_4$ - $CaSO_4$ - H_2O at 25 and 75°. D. M. Korf, E. A. Fomina. *Zhur. neorg. khim.* 8 no. 4:1022-1023 Ap '63.

MANGYSHLAK PENINSULA—GEOLOGY, STRUCTURAL

Mangyshlak coast's Khvalynian sea terraces and the problem of studying the recent tectonic movements of the peninsula. V. S. Minkokin. *Vest. Mosk. un. Ser. 5: Geog.* 18 no. 2:26-30 Mr-Apr '63.

MANGYSHLAK PENINSULA—TERRACES (GEOLOGY)

Mangyshlak coast's Khvalynian sea terraces and the problem of studying the recent tectonic movements of the peninsula. V. S. Minkokin. *Vest. Mosk. un. Ser. 5: Geog.* 18 no. 2:26-30 Mr-Apr '63.

MANNICH BASES

Mannich bases in the series of derivatives of 5-hydroxy-benzofuran. A. N. Grinov, N. K. Yenovlatova. *Zhur. ob. khim.* 33 no. 3:820-824 Mr '63.

MANNICH REACTION

Technical synthesis of carbonyl monomers based on Mannich's reaction. M. I. Farberov, G. S. Mironov. *Dokl. AN SSSR* 146 no. 5:1095-1096 F '63.
2-Mercapto-1,2,4-triazole in the Mannich reaction. Part 3: Mechanism of the formation of (N-benzothiazolylthion)-(S-benzothiazolylmercapto) methane. M. O. Kolosova, V. I. Stavrovskaya. *Zhur. ob. khim.* 33 no. 3:955-959 Mr '63.

MANOMETER

Device for measuring momentary values of rarefaction. V. I. Nikolaev. *Avi. prom.* 28 no. 8:32 Ag '62.

MANOMETER—SAFETY APPLIANCES

Safety device for the manometer of mobile drilling units. B. A. Kostin. *Bezop. truda v prom.* 7 no. 3:32-33 Mr '63.

MANS LAUGHTER see Murder

MANUAL TRAINING

Independent choice of unfinished materials by students. V. I. Kachnev. *Shkola i profiz.* 6 no. 12:42-46 D '62.
Our practice in work training of students. M. Zavadskii. *Shkola i profiz.* 6 no. 12:72-73 D '62.
Students today and masters of the land tomorrow. IE. O. Sveshnykova, V. A. Khomenko. *Rad. shk.* 41 no. 2: 95-100 F '63.

MANUAL TRAINING—AUDIO-VISUAL AIDS

"Making school equipment in school workshops" by I. D. Korzhnev. Reviewed by V. Rudenko. *Shkola i profiz.* 6 no. 12:81-82 D '62.

MANUFACTURES—ABSTRACTS

[Light Industry] *Ref. zhur.;* *Leg. prom.* no. 4 Ap '63. *Avtorskii ukazatel'* za 1962 g.

MAP PRINTING

Practice of compiling a map on a plate with simultaneous engraving for publication. M. E. Zakharov. *Geod. i kart.* no. 2:62-65 F '63.

MAPS, TOPOGRAPHIC see Topographic maps

MARES

Abortions in mares and their prevention. G. V. Parshutin. *Trudy VNIK* no. 17:133-138 '49.

Optimal time for inseminating mares. P. N. Skatkin. *Trudy VNIK* no. 17:90-112 '49.

MARGOLIN, MIKHAIL VLADIMIROVICH

Designer of weapons used in sports. S. I. Urchuk. *Voen. znan.* 39 no. 2:28-29 F '63.

MAH A. S. S. R.—PAPER INDUSTRY—LABOR

PRODUCTIVITY

The struggle for a continuous and rapid growth of labor productivity should be an everyday routine. M. R. Kantarzh. *Bum. prom.* 38 no. 3:3-5 Mr '63.

MARINE ANIMAL OILS

Method of increasing the keeping quality of fats and fat-containing products. F. I. U. Rachinskii and others. *Sbor. izobr. v ryb. prom.* za 1959 g. '67.

Method of rendering fat by extraction from protein tissues of animals. V. V. Kolchev, N. E. Nikolaeva. *Sbor. izobr. v ryb. prom.* za 1959 g. '63-64.

MARINE BIOLOGY

(see also subdivision under Kola Peninsula; South China Sea; Tonkin Gulf of White Sea)

Zenkevich, L. A. [Biology of the seas of the U. S. S. R.] *Biologiya morei SSSR.* Moskva, Izd-vo Akad. nauk SSSR, 1963. 738 p.

MARINE BOILERS see Boilers, Marine

MARINE DIESEL ENGINES

"Diesel locomotive and marine engines." Reviewed by V. I. U. Gitis. *Energomashinostroenie* 9 no. 1:43, 48 Ja '63.

Modern problems in Russian marine diesel manufacture. N. V. Petrovskii. *Sudostroenie* 20 no. 1:20-24 Ja '63.

"Professor Kerichev." N. Kozlov. *Kul't. i zhizn'* 6 no. 9:22 '62.

System of remote automatic control of marine diesel generators. V. N. Konstantinov, M. K. Maksimov. *Sudostroenie* 20 no. 1:39-43 Ja '63.

Use of radioactive rays in the control and measuring devices of marine diesel engines. V. F. Bol'shakov. *Inform. sbor. TSNIIMF* no. 73. Tekh. ekspl. mor. flota no. 13:85-91 '62.

Water injection in diesel engines and gas-turbine plants. N. N. Kniazev. *Inform. sbor. TSNIIMF* no. 69 Tekh. ekspl. mor. flota no. 12:34-45 '61.

MARINE DIESEL ENGINES—COOLING

Investigating the performance of a diesel engine with high-temperature cooling. A. M. Pavlichenko. *Trudy NIIVTa* no. 12:22-28 '62.

MARINE DIESEL ENGINES—LUBRICATION

Lubricants for modern low-speed marine diesels. L. G. Ginzburg. *Inform. sbor. TSNIIMF* no. 73. Tekh. ekspl. mor. flota no. 13:13-17 '62.

MARINE DIESEL ENGINES—MAINTENANCE AND REPAIR

Device for determining the wear of D-50 and D-100 diesel crankshafts. A. I. Dynin, A. Nikushin. *Blul. tekhn. -ekon. Inform. Tekh. upr. Min. mor. flota* 7 no. 5:79-85 '62.

MARINE ENGINEERING

Akimov, P. P. [Marine power plants] *Sudovye silovye ustanovki.* Moskva, Izd-vo "Morskoi transport," 1962. 505 p.

Analysis of the present state and prospects for the development of marine engine auxiliaries. V. V. Maslov. *Inform. sbor. TSNIIMF* no. 73. Tekh. ekspl. mor. flota no. 13:18-40 '62.

Theory of marine mechanisms. V. A. Cherniakhovich. *Trudy NIIVTa* no. 12:172-178 '62.

MARINE ENGINEERING—BIBLIOGRAPHY see Bibliography—Marine engineering

MARINE ENGINES

Determining the indicated horsepower of marine internal combustion engines. I. V. Seleznev. *Trudy NIIVTa* no. 12:99-106 '62.

Modernizing the power plant of the tanker "Sakhalin." S. G. Luk'yanov. *Blul. tekhn. -ekon. Inform. Tekh. upr. Min. mor. flota* 7 no. 5:49-54 '62.

Vasheidi, V. A. [Marine internal combustion engines] *Sudovye dvigateli vnutrennego sgoraniia.* Leningrad, Sudpromiz, 1962. 543 p.

MARINE ENGINES—CORROSION

Automatic hard facing of marine engine parts with austenite steel. V. P. Rabinin, G. N. Pan'shin. *Svar. proizv.* no. 3:18-22 Mr '63.

MARINE ENGINES—FUEL SYSTEMS

Flaws in the power plant of the motorship "Ingur." V. N. Starostin. *Blul. tekhn. -ekon. Inform. Tekh. upr. Min. mor. flota* 7 no. 5:54-57 '62.

MARINE ENGINES—TESTING see subdivision under Germany, East

MARINE FAUNA

Content of lithium, sodium, potassium, rubidium and caesium in the muscles of marine animals of the Barents and Black Seas. I. V. Burovina and others. *Dokl. AN SSSR* 149 no. 2:413-415 Mr '63.

MARINE GAS TURBINES

Characteristics of the power plant on the tank vessel "Dzhuzeppe Garibaldi." L. E. Landa, I. M. Bukhalin. *Sudostroenie* 29 no. 1:30-38 Ja '63.

New ships equipped with gas-turbine plants with a free-piston gas generator. A. D. Mezheritskii. *Inform. sbor. TSNIIMF* no. 73. Tekh. ekspl. mor. flota no. 13:63-66 '62.

Use of auxiliary gas-turbine engines on sea-going ships. G. Sh. Rozenberg and others. *Sudostroenie* 29 no. 1: 24-29 Ja '63.

Water injection in diesel engines and gas-turbine plants. N. N. Kniazev. *Inform. sbor. TSNIIMF* no. 69 Tekh. ekspl. mor. flota no. 12:34-45 '61.

MARINE MICROBIOLOGY—RESEARCH

Usefulness of Nansen bathometers for taking water samples from seas and oceans for microbiological research [with summary in English]. A. E. Kriss. *Mikrobiologiya* 31 no. 6:1067-1075 N-D '62.

MARINE REFRIGERATION—CLEANING

Rapid chemical cleaning of refrigerator system pipelines. O. K. Balinkin. *Blul. tekhn. -ekon. Inform. Tekh. upr. Min. mor. flota* 7 no. 5:76-78 '62.

MARINE TURBINES

Automatic control of marine power plants. S. N. Dranitsyn. *Inform. sbor. TSNIIMF* no. 69 Tekh. ekspl. mor. flota no. 12:3-12 '61.

MARITIME LAW

Korotkii, V. M., and G. I. Tunkin, eds. [Studies on International maritime law] *Ocherki mezhdunarodnogo morskogo prava.* Moskva, Gosurizdat, 1962. 300 p.

MARITIME TERRITORY—AMATEUR ART ACTIVITIES

Television audience chose the winners. V. Iur'ev. *Komsom. zhizn'* no. 13:25 JI '62.

MARITIME TERRITORY—BIBLIOGRAPHY

Vladivostok. Primorskaya kraevaya biblioteka imeni A. M. Gor'kogo. [Maritime Territory; recommended list of literature] *Primorskii kraevyi rekomendatsionnyi ukazatel' literatury.* Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 115 p.

[MICROFILM]

MARITIME TERRITORY—VITICULTURE

Lebedeva, L. Ia., and A. I. Lebedev. [Grapes in the Maritime Territory] *Vinograd v Primorskoi kraev. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 157 p. (DNAL)*

MARKET SURVEYS

Studying demand at an exhibition. D. Tseitlin, V. Shchenkov. *Soy. torg.* 36 no. 3:11-15 Mr '63.

MARKETING see subdivision under Adyge Autonomous Province

MARKETING—COSTS

Shelakht, F. M. [Production and marketing costs under socialism and how to reduce them] *Izderzhki proizvodstva i obrabotki pri sotsializme i puti ikh snizheniia.* Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963. 70 p.

MARKOV PROCESSES

Asymptotic behavior of solutions to parabolic equations and the ergodic property of inhomogeneous diffusion processes. A. M. Il'in, R. Z. Kha'minskii. *Mat. sbor.* 60 no. 3:386-392 Mr '63.

Diffusion process with reflection and the problem involving an oblique derivative on a manifold with an edge [with summary in English]. M. I. Freidlin. *Teor. veroiat. i ee prim.* 8 no. 1:80-88 '63.

A limit theorem for homogeneous Markov chains [with summary in English]. A. V. Skorokhod. *Teor. veroiat. i ee prim.* 8 no. 1:67-75 '63.

Principle of averaging for parabolic and elliptic differential equations and Markov processes with small diffusion [with summary in English]. R. Z. Kha'minskii. *Teor. veroiat. i ee prim.* 8 no. 1:3-25 '63.

MARKOVICH, MARIA OLEKSANDRIVNA (VILINSKAIA)

1834-1907
Marko Vovchok's story "Horyna." M. P. Taranenko. *Rad. lit.* 7 no. 1:83-87 Ja-F '63.

Old pilot has begun a study of his grandmother's life in the 18th century. B. Brodova'kyi. *Ukraina* no. 2:19 Ja '63.

MARMOTS see subdivision under Kazakhstan

MARRIAGE—ORTHODOX EASTERN CHURCH

A woman, and she is afraid of her husband. N. Gordienko. Nauka i rel. 4 no. 3:66-68 Mr '63.

MARRIAGE LAW

Soviet workers suggest the amendment of marriage and family laws. I. Babukhin, E. Korolev. Sov. iust. no. 7:4-6 Ap '63.

MARS (PLANET)

How are you, Mars? Sergei Gushchev. Vokrug sveta no. 2:7-9, 23 F '63.

MARY, VIRGIN—ART

A hymn to maternity. N. Eliasberg. Nauka i rel. 4 no. 3:63-65 Mr '63.

MARX, KARL, 1818-1883

All the truth in the world... A. Lazebnikov. Kul't. i pros. rab. 24 no. 1:5-7 Ja '63.

MASERS

Ammonia maser with disc resonator. A. I. Barchukov, A. M. Prokhorov, V. V. Savranskii, Radiotekh. i elektron. 8 no. 3:438-439 Mr '63.

Multicavity quantum amplifiers. N. V. Karlov, A. M. Prokhorov. Radiotekh. i elektron. 8 no. 3:453-456 Mr '63.

Open resonators for optical quantum generators [with summary in English]. L. A. Vainshtein. Zhur. eksp. i teor. fiz. 44 no. 3:1050-1057 Mr '63.

Optimum operating conditions of an optical quantum generator on a neon-helium mixture. I. M. Belousova, O. B. Danilov, I. A. Ef'kina. Zhur. eksp. i teor. fiz. 44 no. 3:1111-1113 Mr '63.

Ray that does not know any barriers. Irina Radunskaia. Smena 40 no. 1:28-29 Ja '63.

MASONRY—STUDY AND TEACHING

Training in the masonry occupation. G. Anokhin. Shkola i proizvod. 5 no. 11:91 N '62.

MASS SPECTROSCOPY

Disintegration of molecular ions formed by photoionization of hydrazine and some of its alkyl derivatives. M. E. Akopian, F. I. Vilesov. Kin. i kat. 4 no. 1:39-52 Ja-F '63.

MASS TRANSFER

Kafarov, V. V. [Fundamentals of mass transfer; the systems: gas - liquid, vapor - liquid, and liquid - liquid] Osnovy massoperezhadi; sistemy gaz - zhidkost', par - zhidkost', zhidkost' - zhidkost'. Moskva, Vysshaya shkola, 1962. 654 p.

Study of heat and mass transfer processes in a pulsating flow. I. I. Paleev, B. D. Katsnel'son, A. A. Tarakanovskii. Teploenergetika 10 no. 4:71-74 Ap '63.

Vsesoyuznoe soveshchaniye po teplo- i massoperezhadi. 1st. Minsk, 1961. [Heat and mass transfer] Teplo- i massoperezhadi; doklady. Pod obshech. red. A. V. Lykova i B. M. Smol'skogo. Minsk, Izd-vo Akad. nauk BSSR.

Vol. 2. [Heat and mass transfer during phase transitions and chemical transformations] Teplo- i massoperezhadi pri fazovykh i khimicheskikh prevrashcheniyakh, 1962. 377 p.

MASTICATION

Increase of the masticatory effectiveness of removable partial lamellar prostheses. L. P. Gurin. Probl. stom. 6:297-303 '62.

Role of the tactile and gustatory receptors in the origination of a reflex from the oral cavity on the gastric secretion. S. I. Krishtab. Probl. stom. 6:386-389 '62.

MASTICS

Waterproofing with cold mastic. K. I. Rubin. Shakht. stroi. 7 no. 4:29-30 Ap '63.

MATERIA MEDICA, DENTAL

Filling of canals with Kruglikov's cement. G. N. Varava. Probl. stom. 6:186-188 '62.

MATERIALS

An account card instead of material requisitions. I. Busaev. Bukhg. uch. 20 no. 2:59-60 F '63.

MATERIALS—TESTING

Rumiantsev, S. V., and L. N. Matsluk. [Thallium-170 as a radiation source for gamma-defectoscopy] Tullii-170 kak istochnik izlucheniya dlia gamma-defektoskopii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 29 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Moskva, Tema 23, No. M-58-109/1)

MATERIALS HANDLING

Current problems in the organization of transportation work in industry. V. Belokrivitskii. Sots. trud 8 no. 3:44-51 Mr '63.

Geiman, A. A. [Hoisting and conveying systems in the woodpulp, paper, and woodworking industries] Gruzopod'eznyye i transportnyye ustroystva v tselulozno-bumazhnoi i derevoprabatyvalushchei promyshlennosti, Moskva, Goslesbumizdat, 1962. 448 p.

Mil'ner, B. Z. [Improving the organization of industrial transportation] Sovershshtstvovanie organizatsii promyshlennogo transporta. Moskva, Ekonomizdat, 1963. 183 p.

MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] Ref. zhur.: Prom. i transp. nos. 3-4 Mr-Ap '63. Avtorskii ukazatel' za '62 g.

MATERIALS HANDLING—EQUIPMENT AND SUPPLIES

Kalugin, V. F., and others. [Technology of ingot forging and the continuous rolling of large-size, commercially pure, VT1D titanium sheet. Over-all mechanization of the loading and unloading of ingots from holding furnaces] Tekhnologiya kovki slitkov i nepreryvnoi prokatki krupnogatarnitogo lista iz tekhnicheskoi chistogo titana VT1D. Kompleksnaya mekhanizatsiya professov zagruzki i vygruzki zagotovok iz metodicheskoi pechi. [By] A. I. Ogursov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 5, No. M-58-22/3)

MATERNAL AND INFANT WELFARE—LAW AND LEGISLATION

Our legal consultation. Sem'ia i shkola 18 no. 3:30 Mr '63.

MATHEMATICAL ECONOMICS see Economics, Mathematical

MATHEMATICAL LINGUISTICS

Unusual student ponders over a sentence. A. Stohnil. Znan. ta pratsia no. 1:4-5 Ja '63.

MATHEMATICAL RECREATIONS

Mathematical recreations. Nauka i zhizn' 20 no. 12:44, 74-75, 93, 104-108 D '62.

MATHEMATICAL STATISTICS

Application of the statistical analysis in selecting the pressure gauge for the "APRS-1" sterilization regulators. F. I. Kogan, A. I. Popovich. Izv. vys. ucheb. zav. pishch. tekhn. no. 1:126-131 '63.

Continuous planning of regression experiments. Part I [with summary in English]. S. N. Sokolov. Teor. veroiat. i ee prim. 8 no. 1:95-101 '63.

Statistical study of the Russian domk trimmer [with summary in English]. M. L. Gasparov. Teor. veroiat. i ee prim. 8 no. 1:102-108 '63.

Use of a complex variable in studying Behrens-Fischer's problem. I. U. V. Linnik. Dokl. AN SSSR 149 no. 2: 252-255 Mr '63.

Using the mathematical statistics method for determining the dynamic characteristics of a bakery oven. L. L. Rotkop, I. G. Liberman, A. A. Rylits. Izv. vys. ucheb. zav. pishch. tekhn. no. 1:114-121 '63.

MATHEMATICS

Akademii nauk SSSR. Institut istorii estestvoznaniia i tekhniki. [Essays on the history of mathematics and mechanics] Ocherki istorii matematiki i mekhaniki; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 271 p.

Collector of mathematical treasures. R. Simonov. V mire knig 3 no. 3:45 Mr '63.

Gnedenko, B. V. [In the language of mathematics] Iazykom matematiki. Moskva, Izd-vo "Znanie," 1962. 28 p. (Novoe v zhizni, nauke, tekhnike, IX Seriya: Fizika i khimiia, no. 7)

In the Department of Physics and Mathematics. Vest. AN SSSR 33 no. 3:36-41 Mr '63.

Mathematical geology [with summary in English]. A. B. Vistelius. Geol. i geofiz. no. 12:3-9 '62.

[Mathematics; translations of foreign articles] Matematika; period. sbor. perev. inostr. st. 7 no. 2 Mr-Ap '63.

[Reference book on elementary mathematics, mechanics, and physics] Spravochnik po elementarnoi matematike, i fizike. Izd. 8. Minsk, Gos. izd-vo BSSR. Redaktsiia nauchno-tekhn. lit-ry, 1962. 199 p.

MATHEMATICS—ABSTRACTS

[Mathematics] Ref. zhur.: Mat. no. 3 Mr '63.

MATHEMATICS—CONGRESSES

Information on the All-Union colloquium on limit theorems in the probability theory. Teor. veroiat. i ee prim. 8 no. 1:112-127 '63.

MATHEMATICS—STUDY AND TEACHING

Andreev, G. L., and L. L. Miasnikov. [Let's disseminate physical and mathematical knowledge among the masses] Fiziko-matematicheskie znaniia - v massy. Moskva, 1962. 34 p.

[MICROFILM]

Diagnosis of the mathematical abilities of students. V. A. Krutetskii. Rad. shk. 41 no. 1:45-48 Ja '63. Engineers must have a perfect knowledge of mathematical apparatus. G. A. Nikolaev, D. A. Pospelov. Vest. vys. shkoly 21 no. 4:52-56 Ap '63.

Let's develop the mathematical abilities of students. I. F. Teslenko. Rad. shk. 41 no. 2:25-27 F '63.

Let's economize on every minute of a lesson. M. I. Kraizman. Rad. shk. 41 no. 1:66-68 Ja '63.

MATRICES

Complex structures of a class of Kähler-Bashevskii spaces. V. V. Vishnevskii. Dokl. AN SSSR 149 no. 2: 233-236 Mr '63.

Spectrum of Toeplitz matrices. R. S. Ismagilov. Dokl. AN SSSR 149 no. 4:769-772 Ap '63.

Using diode matrices for the calculation of the functions of one variable. I. U. P. Bobrantiskii. Avtom. i prib. no. 1:40-52 Ja-Mr '63.

MATSESTA REGION—THERMAL WATERS

Relationship between the hydrogeological conditions and the thermal anomaly in the Matsista region. G. A. Cherenomskii. Zap. LGI 44 no. 2:82-85 '62.

MATTER

Goncharuk, S. I. [Matter and the forms of its existence] Materiya i formy ee sushchestvovaniia. Moskva, Gospolitizdat, 1962. 43 p. (Metodicheskie sovery po filosofii)

MATTER—CONSTITUTION

Vul, B. M., and E. L. Feinberg, eds. [From classical to quantum physics; fundamental representations in the theory of the constitution of matter] Ot klassicheskoi fiziki k kvantovoi; osnovnye predstavleniia ucheniia o stroenii materii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 69 p. (Akademiia nauk SSSR. Nauchno-pribliznatsiia serlia)

MAXILLARY SINUS—DISEASES

Microflora of the nasal cavity and Hignmore sinus in chronic serous inflammation of the latter [with summary in English]. V. M. Sokolov. Vest. stom. no. 4: 68-71 '62.

Surgical treatment of odontogenic highmoritis. A. M. Sointsev. Probl. stom. 6:223-230 '62.

Treatment of odontogenic highmoritis. I. A. Novik. Probl. stom. 6:231-232 '62.

MAXILLARY SINUS—TUMORS

Adenoma of the nose and maxillary sinus. I. A. E. Shparber. Vest. stom. no. 4:101-103 '62.

Dental cysta deforming the antrum of Hignmore. M. P. Rozhdostvenskaia. Probl. stom. 6:206-208 '62.

MAYAS—ANTIQUITIES

Visiting with the ancient Mayas. L. Novikova. Nauka i zhizn' 20 no. 12:45-49 D '62.

MAZUT—SULFUR CONTENT

Analysis of causes of corrosion and methods of increasing the reliability of heating surface tail ends in steam boilers burning sulfurous mazut. Inform. sbor. "TSHM" no. 69 Tekh. ekpl. mor. flota no. 12:13-33 '61.

MEASURING INSTRUMENTS

Solov'ev, A. I., and others. [Designs of mechanisms for automatic control devices, measuring and computing equipment] Raschety mekhanizmov avtomatiki, izmeritel'noi i schetno-reshatushchei tekhniki. Pod red. A. I. Solov'eva. [Taganrog] Taganrogeki rad. tekhn. in-t [1961] 215 p.

[MICROFILM]

MEASURING INSTRUMENTS—TESTING

[Index of instructions, methodical directions and regulations on the inspection of measures and measuring instruments up to January 1, 1962] Ukazatel' instruktsii, metodicheskikh ukazanii i pravil po poverke mer i izmeritel'nykh priborov; po sostoiianiu na 1/1 1962 gg. Izd. ofitsial'noe. Moskva, Standartiz. 1962. 82 p.

MEAT, FROZEN

Transformations of the protein components of autolyzing muscle tissues during meat cooling and freezing. P. V. Pavlovskii, M. P. Grigor'eva. Izv. vys. ucheb. zav. pishch. tekhn. no. 1:24-29 '63.

MEAT, SALT—TESTING

Accumulation of reducing carbohydrates and the pH value in pork muscle tissues subjected to autolysis in brine. A. S. Bol'shakov, A. K. Fomin. Izv. vys. ucheb. zav. pishch. tekhn. no. 1:30-32 '63.

MEAT INDUSTRY—COSTS see subdivision under Kalita

MEAT INDUSTRY—PRODUCTION STANDARDS

Kalita, N. Ia. [Establishing work norms in the meat and dairy industries] Tekhnicheskoe normirovaniie truda v miasnoi i molochnoi promyshlennosti. Moskva, Mashst-promizdat, 1962. 204 p.

MECHANICAL DRAWING

"Course in mechanical drawing" by S. K. Nogolitshev, A. V. Voinov. Reviewed by L. Pleshkin. Mashinostroitel' no. 2:47 F '63.

Design without drawing. N. Dubrovskaya. Izobr. i rats. no. 0:14-16 S '62.

MECHANICAL DRAWING—AUDIO-VISUAL AIDS

Model for the solution of mechanical drawing problems. I. Kozlov, K. Gaidinger, Prof., -tekh. obr. 20 no. 3: 17 Mr '63.
"Visual aids in parallel projections" by G. A. Vladimirov. Reviewed by V. Vinogradov. Shkola i proizv. 6 no. 12:82 D '62.

MECHANICAL DRAWING—EQUIPMENT AND SUPPLIES

Manufacture of drawing stands. V. A. Deviatkin, T. I. Kudriavtsev. Shkola i proizv. 6 no. 12:64-65 D '62.

MECHANICAL DRAWING—STUDY AND TEACHING

Forming space concepts in mechanical drawing lessons. S. A. Annenkov, E. F. Golovkina, M. V. Matukhina. Shkola i proizv. 6 no. 11:61-63 N '62.
Methods of making mechanical drawings in axonometric projection. A. A. Voronin. Shkola i proizv. 6 no. 11: 58-61 N '62.
Some aspects of the construction of axonometric projections in the seventh grade. P. I. Gavrilov. Shkola i proizv. 6 no. 11:63-67 N '62.

MECHANICAL ENGINEERING—BIBLIOGRAPHY see Bibliography—Mechanical engineering

MECHANICAL SHOCK see Shock (Mechanics)

MECHANICAL STOKERS see Stokers, Mechanical

MECHANICAL WEAR

Effect of the uniformity of motion on the wear of an automobile engine. M. S. Belitskiy. Trudy NPI 131:3-10 '62.
Hard facing alloys with tungsten carbide for parts and tools subject to rapid mechanical wear. B. V. Stepanov. Svar. proizv. no. 3:30-32 Mr '63.

MECHANICAL WEAR—MEASUREMENT

Attachment for the use of the UPOI-6 device in determining the wear of crankshaft journals and bearings. A. N. Usinov, P. I. Razumov, D. P. Zaitsev. Vest. mashinost. 43 no. 2:77-78 F '63.

MECHANICS

Akademika nauk SSSR. Institut istorii i teoreticheskoy i tekhniki. [Essays on the history of mathematics and mechanics.] Ocherki istorii matematiki i mekhaniki; sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 271 p.

Application of Lagrange's method to the dynamics of a viscoelastic thread (rope) of variable length with a load at one end. I. U. S. Postolnik. Izv. vys. ucheb. zav. mat. no. 2:64-100 '63.

Correction to the article "Theory of critical velocities of rotating shafts." M. M. Zatepinskiy. Ukr. mat. zhur. 15 no. 1:116 '63.

Equilibrium of closed cylindrical shells under the action of concentrated forces. A. P. Shestopal. Ukr. mat. zhur. 15 no. 1:106-114 '63.

[Mechanics; translations of foreign articles.] Mekhanika; period. sbor. perev. inostr. et. 14 nos. 1-2 '63.
Problems of mechanics at the joint session of departments of technical sciences of the Academy of Sciences of the U.S.S.R. and the Academy of Sciences of the Ukrainian S.S.R. O. O. Goroshko, Prikl. mekh. 9 no. 2:228-229 '63.

[Reference book on elementary mathematics, mechanics, and physics.] Spravochnik po elementarnoi matematike, fizike. Izd. S. Minsk, Gos. izd-vo BSSR, Redaktsiya nauchno-tekhn. lit-ry, 1962. 199 p.
Relation between classical mechanics and wave mechanics. I. U. P. Pylov. Dokl. AN SSSR 140 no. 2:298-301 Mr '63.

MECHANICS—CONGRESSES

A conference on the problems of mechanics. G. V. Plotnikova. Vest. AN SSSR 33 no. 3:135-136 Mr '63.

MECHANICS, ANALYTIC

Movin, M. S., and A. B. Izraelit. [Technical mechanics.] Tekhnicheskaya mekhanika. Leningrad, Sudpromgiz. Pt. 1. [Theoretical mechanics.] Teoreticheskaya mekhanika. 1962. 365 p.
P. V. Voronets' inst. research. B. N. Fradlin. Prikl. mekh. 9 no. 2:117-125 '63.

MECHANICS, APPLIED

Goiman, Sh. M. [Using the methods of consecutive balancing in designing plane frames] Raschet ploskikh ram sposobami postepovatel'nogo uravnoveshivaniya. Tashkent, 1962. 232 p. (Tashkent. Institut inzhenerov zheleznodorozhnogo transporta. Trudy, no. 16)

MEDICAL CARE (see also subdivision under Karaganda Province; Moscow)

Bokarev, P. I. [Friend, comrade, and brother] Drug, tovarishch i brat. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 19 p. (Besedy o moral'nom kodekse stroitelstva kommunizma)

Business relations of therapeutic and prophylactic institutions with pharmacies. H. A. Shepin. Farmats. zhur. 17 no. 4:55-57 '62.

MEDICAL CLIMATOLOGY see Climatology, Medical

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] Ref. zhur.: Med. geog. no. 4 Ap '63.

MEDICAL GEOGRAPHY—CONGRESSES

First Academic Conference on Medical Geography. A. G. Voronov. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2: 73-75 Mr-Apr '63.

MEDICAL MICROBIOLOGY

Diachenko, S. S. [Microbiological methods of diagnosing infectious diseases] Mikrobiologicheskie metody diagnostiki infektsionnykh zabolevaniy. Kiev, Gosmedizdat USSR, 1962. 533 p. (DNLM)

MEDICAL SOCIAL WORK

(see also subdivision under Batumi; Karaganda; Moscow)

Brief notes on various things. Sov. Kras. krest 12 no. 5:26 S-O '62.

MEDICAL TESTS

Dynamics of endotoxemia in chronic tonsillitis before and after tonsillectomy. R. R. Fel'dman. Vop. pat. krovi i krovoobr. no. 6:99-105 '61.

Endothelial cup test in rheumatic fever. K. V. Sokolova. Vop. pat. krovi i krovoobr. no. 6:94-98 '61.

Latent endotoxemia in chronic tonsillitis. S. I. Lilenko. Vop. pat. krovi i krovoobr. no. 6:106-108 '61.

MEDICINE

(see also subdivision under Armenia)

Girgorenko, R. V., comp. [Collection of popular science essays; biology, medicine] Sbornik nauchno-populyarnykh tekстов; biologiya, meditsina. Moskva, Izd-vo lit-ry na inostr. yazykakh, [n. d.] 204 p.

MEDICINE—ABSTRACTS

[Medical abstracts] Med. ref. zhur. sect. 1 vol. 7 no. 3 Mr '63. Sect. 3 vol. 7 nos. 3-4 Mr-Apr '63. Sect. 4 vol. 7 nos. 2-3 F-Mr '63. Sect. 6 vol. 7 no. 3 Mr '63. Sect. 7 vol. 7 no. 3 Mr '63. Sect. 9 vol. 7 nos. 3-4 Mr-Apr '63. Sect. 10 vol. 7 no. 3 Mr '63.

MEDICINE—BIBLIOGRAPHY see Bibliography—Medicine

MEDICINE—STUDY AND TEACHING see subdivision under Bulgaria; Czechoslovakia; Kiev; Odessa, North

MEDICINE, EXPERIMENTAL—YEARBOOKS

Akademika meditsinskikh nauk SSSR, Moscow. Institut eksperimental'noi meditsiny. [Yearbook of the Institute of Experimental Medicine] Ezhegodnik. Leningrad. Vol. 6. [For 1958] Za 1959 god. 1960. 577 p. (Lit. Trudy) (DNLM)

MEDICINE, INDUSTRIAL see subdivision under Dushanbe

MEDICINE, INTERNAL

State of the maxillofacial system in patients undergoing therapy for other conditions. E. A. Kolesnikov. Probl. stom. 6:374-380 '62.

MEDICINE, RURAL see subdivision under Bukovina

MEDICINE IN SPORTS see Sports medicine

MEDITERRANEAN REGION—GRAVITY ANOMALIES

Gravity anomalies and seismicity in Western Europe and the Mediterranean Sea region. M. E. Artem'ev. Izv. AN SSSR, Ser. geofiz. no. 2:308-317 F '63.

MEGRU—SPRING

A smile lights up the mountains. Stepan Aladzhadzhan. Ogonek 41 no. 12:2 of cover-1 Mr '63.

MELANESIA

Dark Islands. Rupert Lockwood. Mezhdunar. zhizn' 10 no. 4:94-101 Ap '63.

MELEKES—FARM MECHANIZATION—STUDY AND TEACHING

In the Melekess School of Farm Mechanization. N. Zaidman. Sel. mekh. no. 8:20-21 '62.

MELEZH, IVAN, 1921-

Polevoy, twenty years... Grigorii Berezkin. V mire knig no. 2:30-31 F '63.

MEL'NYCHUK, IURI STEPANOVYCH

"With the language of the heart; articles, pamphlets, and humoresques" by Iuri Mel'nychuk. Reviewed by L. Bogdanovich. Sov. Ukr. 13 no. 2:171-174 F '63.

MELONS—TRANSPORTATION see subdivision under Astrakhan Province

MELTING

Interaction of technological parameters of melting in cupolas of various design. I. U. S. Sukharchuk, B. P. Blagomiravov, G. K. Reshetnikov. Lit. proizv. no. 2: 8-10 F '63.

MELTING POINTS

Instability of melting points due to small impurities. A. A. Remizova, A. A. Tamarin. Uch. zap. Mosk. gor. ped. inst. 86:229-242 '60.

MEMORY

Imagination and retention. K. V. Fedorkovich. Dokl. APN 6 no. 6:89-92 '62.

MÉNIÈRE'S DISEASE

Development of the teaching of Ménière's disease; on the 100th anniversary of the death of Prosper Ménière. A. V. Zhukovich. Vest. otorin. no. 4:67-81 '62.

MENINGES—TUBERCULOSIS

Feter, D. S., and E. V. Prokhorovich. [Tubercular meningitis in children] Tuberkuleznyy meningit u detei. Pri uchastii T. B. Shapiro, E. M. Nazarova i F. N. Grabovoi. Moskva, Medgiz, 1963. 278 p.

MENSURATION

[EKA; encyclopedia of measurements, control and automation] EKA; entsiklopediya izmerenii kontrolya i avtomatizatsii. Moskva, Gosenergoizdat, No. 1. 1962. 243 p.

MENSURATION—ABSTRACTS

[Mensuration and measurement techniques] Ref. zhur.: Metr. i izm. tekhn. nos. 3-4 Mr-Apr '63.

MENTAL DEFICIENCY

Impulsive desires in oligophrenias. O. E. Frelerov. Prak. sudebnopsikh. ekspert. no. 7:63-69 '62.

MENTAL ILLNESS

Osovetskaya, T. S. M., and K. Kh. Gafurov. [Occupational therapy and the cardiovascular system in mental illnesses with a chronic course] Trudoterapiya i serdечно-сосудистая система pri psikhicheskikh zabolevaniyakh s khronicheskim techeniem. Pod red. F. F. Detengofa. Tashkent, Medgiz UzSSR, 1962. 108 p. (DNLM)

MENTALLY HANDICAPPED CHILDREN

Study of the catatonic condition in mentally retarded children graduating from the schools for the mentally handicapped. A. G. Asafova. Dokl. APN 6 no. 6:123-124 '62.

MENTALLY ILL—CARE AND TREATMENT

Consultations. Prak. sudebnopsikh. ekspert. no. 7:82-83 '62.

Letter from the Ministry of Public Health of the U.S.S.R. concerning the prevention of acts by mental patients discharged from psychiatric hospitals. Prak. sudebnopsikh. ekspert. no. 7:75-81 '62.

MERCAPTANS see Thiols

MERCHANT MARINE

Brief news. Mor. flot 23 no. 3:45 Mr '63.

Follow-up of published articles. Mor. flot 23 no. 3:46 Mr '63.

MERCHANT MARINE—WATCH DUTY

For the introduction of an eight-hour work period on merchant ships. Mor. flot 23 no. 3:21 Mr '63.
Legal regulation of work periods for merchant seamen. T. Ivankina. Mor. flot 23 no. 3:20-21 Mr '63.

MERCHANT SEAMEN

(see also subdivision under Baltic Sea)

"In clever hands"; book review by A. Temichev. Mor. flot 23 no. 3:44 Mr '63.

MERCHANT SEAMEN—ACCOMMODATIONS ON SHIP-BOARD

Tsirol'son, S. A., and M. A. Razran. [Livability on board ships] Obitatel'stvo sudov. Leningrad, Sudpromgiz, 1963. 260 p.

MERCHANT SHIPS

[Movement control in the merchant marine] Organizatsiya dvizheniya morskogo flota. [By] S. M. Topchil, G. F. Shullanskii, A. F. Mironenko. Moskva, Izd-vo "Morskoi transport," 1962. 287 p.

MERCHANT SHIPS—EQUIPMENT AND SUPPLIES

Hatch covers close securely. Mor. flot 23 no. 3:38 Mr '63.

List of specifications revoked in 1961 for the supply of engines, equipment and devices for ships of the merchant marine of the U.S.S.R. Biul. tekhn.-ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 5:119-120 '62.

MERCHANT SHIPS—MAINTENANCE AND REPAIR

Improve the technical operation of ships and overcome shortcomings in the organization of ship repairs. Mor. flot 23 no. 3:1-3 Mr '63.

MERCURATION

3, 6-Endoxo-cyclohexanes and -cyclohexenes. Part 10: Acetoxymercuration of dimethyl ester of 3, 6-endoxo- Δ^4 -tetrahydrophthalic acid. I. U. K. Iur'ev, N. S. Zefirov, L. P. Shalderova. Zhur. ob. khim. 33 no. 3:818-820 Mr '63.

MERCURY-ARC RECTIFIERS

Shaposhnikov, V. G. [Sealed mercury-arc rectifiers; experience in the operation of type RM-500 and RMV-250x6 rectifiers] Zapalannye rtutnye vypryamiteli; opyt ekspluatatsii vypryamitelei tipov RM-500 i RMV-250x6. Moskva, Izd-vo MKKh RSFSR, 1962.

MERCURY COMPOUNDS

"Cosymmetrization" reaction of benzyl mercury bromide with ethyl esters of α -bromomercurial acetic acids. I. P. Beletskaya, G. A. Artamkina, O. A. Reutov. *Izv. AN SSSR, Otd. khim. nauk* no. 4:765-767 Ap '63.

MERCURY ELECTRODES see Electrodes, Mercury

MÉRIMÉE, PROSPER, 1803-1870

"On the reflection of Russian-French cultural ties in the French language and literature of the 19th century; from materials of the literary works and correspondence of P. Mérimée" by E. P. Mart'anova. Reviewed by T. T. Dukhovnyi. *Rad. lit.* 7 no. 1:145-147 Ja-F '63.

MESHCHERA—COLLECTIVE FARMS

Poltoratskiy, V. V. [Man and soil] Chelovek i zemlia. Moskva, Izd-vo "Sovetskaya Rossiya," 1963. 111 p. (Ljudi Sovetskoi Rossii)

MESONS

Photoproduction of neutral mesons on nuclei near the threshold [with summary in English]. B. B. Govorkov, S. P. Denisov, E. V. Minkovskiy, Zhur. eksp. i teor. fiz. 44 no. 3:878-886 Mr '63.

MESONS—DECAY

Diffraction mechanism of the inverse $\pi \rightarrow \mu + \gamma$ decay process in the field of a nucleus [with summary in English]. I. U. P. Nikitin. *Zhur. eksp. i teor. fiz.* 44 no. 3:957-961 Mr '63.

MESONS—SCATTERING

Elastic $\pi\pi$ -scattering at high energies. V. I. Nikanorov. *Zhur. eksp. i teor. fiz.* 44 no. 3:1124-1125 Mr '63.

Phase shift analysis of elastic scattering at 660 Mev. [with summary in English]. R. A. Zul'karneev, I. N. Silin. *Zhur. eksp. i teor. fiz.* 44 no. 3:1105-1110 Mr '63.

Scattering of 300 Mev. π -mesons on hydrogen and deuterium. I. B. Sokolova. *Trudy Fiz. inst.* 14:61-116 '62.

METABOLISM

Age characteristics of metabolism in Berkshire and Mangalia swine. V. V. Baranikhina. *Visnyk sil'hosp. nauky* 6 no. 2:110-112 F '63.

METABOLISM, DISORDERS OF

Disorders of vitamin C metabolism in paradenosis. Z. L. Bolotina and others. *Probl. atom.* 6:79-85 '62.

METAL CASTINGS—DEFECTS

Bending of castings during cooling in the mold. N. G. Greshovitch, M. P. Simanovskiy, *Lit. proizv.* no. 2:22-26 F '63.

METAL CLEANING

Device for cleaning metallic reinforcements. V. N. Kapranov and others. *Mashinostroitel'* no. 2:20 F '63.

METAL CUTTING

All-Union scientific and technical conference of institutions of higher learning on the machinability of heat-resistant and titanium alloys. N. I. Reznikov, K. F. Mitriyev. *Vest. mashinost.* 43 no. 2:80-91 F '63.

Fefelov, N. A. [Rapid turning of heat-treated chromium-nickel steel] Skoroostnoe tochenie termootobrabotannoi khromonikolevoi stali. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhnicheskii proizvodstvennyi opyt. Tema 10, No. M-58-74/12)

Gripping of the sheet by cutters and the steady process of cutting with rotary shears. E. V. Pal'mov, A. M. Saburov. *Izv. vys. ucheb. z'ed.* chern. met. 6 no. 2:185-190 '63.

Isaev, A. I., and V. E. Kolre. [Finish milling of large surfaces instead of scraping] Chistovoe frezerovanie bol'shikh ploskostei vmesto shabreniya. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii proizvodstvennyi opyt. Tema 10, No. M-58-231/37)

Kazakov, N. F. [Changes in the hardness of cutting-tool materials and of parts being machined under the effect of heating] Izmeneniye tverдости materialov rezhushchego instrumenta i obrabatyvaemykh detalei pri nagreve. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 25 p. (Peredovoi nauchno-tekhnicheskii proizvodstvennyi opyt. Tema 20, No. M-57-129/7)

Machining steel with hard-alloy cutting tools under intermittent cutting conditions with large shearing sections. N. N. Zorev. *Vest. mashinost.* 43 no. 2:82-87 F '63.

Parfenov, O. D. [Methods of increasing the accuracy of metalwork on universal metal-cutting machines] Spособy povysheniya tochnosti obrabotki na universal'nykh metallorezhushchikh stankakh. Moskva, Proftekhizdat, 1962. 102 p. (Novaya tekhnika i peredovye metody truda)

Rodzevich, L. V., and A. M. Kosoi. [Metal cutting and the cutting tool] Rezanie metallov i rezhushchii instrument. Moskva, Mashgiz, 1962. 289 p.

Sysoev, V. I. [Cutting of metals, machines, and tools] Rezanie metallov, stanki i instrument. Moskva, Mashgiz, 1960. 479 p.

Tambovtsev, S. P. [Effect of the microstructure of metals on their machinability] Vliyaniye mikrostruktury metallov na ikh obrabatyvaemost'. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10, No. M-58-146/27)

METAL CUTTING—ABSTRACTS

[Work on turning, turret and automatic metal-cutting machines; abstracts] Tokarynye, revol'vernnye i avtomatnye raboty; referativnyi sbornik. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 26 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10, No. M-58-364/49)

METAL CUTTING—BIBLIOGRAPHY see Bibliography—Metal cutting

METAL CUTTING—MEASUREMENT

Paramonov, V. F. [New dynamometric equipment and the measurement of cutting forces] Novaya dinamometricheskaya apparatura i izmereniye sil rezaniya. [Kulbyshev] Kulbyshevskoe knizhnoe izd-vo, 1962. 48 p. (Novoe v tekhnike)

METAL CUTTING—VIBRATION

Torsional vibrations during milling. S. A. Losev. *Vest. mashinost.* 43 no. 2:70-72 F '63.

METAL CUTTING, ELECTRIC see Electric metal cutting

METAL-CUTTING TOOLS

Akimov, A. V. [Advanced metal-cutting tool design] Progressivnye konstruktivnye reziy. Moskva, Mashgiz, 1962. 77 p.

Calculating the economic efficiency of the reconditioning of worn-out cutting tools. V. F. Vlasov. *Vest. mashinost.* 43 no. 2:82-83 F '63.

Fastening of not resharpened tips with holes to holders. *Mashinostroitel'* no. 2:20 F '63.

G. M. Komarov's helical cutter. A. Ermolaev, E. Lo-schlagina. *Mashinostroitel'* no. 2:24 F '63.

[Metal-cutting tools, abrasives, tool sharpening, and the organization of the tool shop] Rezhushchie instrumenty, abrazivy, zatochnyye raboty i organizatsiya instrumental'nogo khozaystva. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 4 v. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 11, Nos. M-57-45/2, M-57-117/5, M-57-147/8, M-57-184/10)

New design of large end-milling cutters. N. I. Tashitskiy, M. M. Shklovskiy. *Stan. i instr.* 34 no. 4:36 Ap '63.

New geometry of metal-cutting tools with a chip-breaking hole. S. I. Volkov. *Mashinostroitel'* no. 2:24 F '63.

Potentials for increasing production and their planned utilization. M. Asval'dov. *Vop. ekon.* no. 2:3-15 F '63.

Sectional cutter for milling star wheels. B. B. Khodosh. *Mashinostroitel'* no. 2:25 F '63.

Vesolovskiy, S. I. [Manufacturing low-module gear tail cutters] Izgotovlenie melkomodul'nykh khvostovykh dolbiakov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 45 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 11, No. M-57-15/1)

METAL-CUTTING TOOLS—BIBLIOGRAPHY see Bibliography—Metal-cutting tools

METAL-CUTTING TOOLS—COOLING

Cooling cutting tools with sprayed fluids. P. V. Krupenka. *Mashinostroitel'* no. 2:27 F '63.

Cutting tool in a mist. G. I. Artsev. *Izobr. i rats.* no. 1:9 '63.

METAL-CUTTING TOOLS—TESTING

Effect of the feed and pitch number on the wear and strength of module hobbing cutters. E. D. Bakhtunov. *Vest. mashinost.* 43 no. 3:72-74 Mr '63.

Isaev, A. I., and O. M. Kirillova. [Investigating the cutting properties of cutting tools with TSM-332 ceramic metal tips] Issledovanie rezhushchikh svoystv reztsov s mineralokeramicheskimi platinami TsM-332. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 11, No. M-57-68/3)

Kartsev, S. S. [Universal device for checking hobbing cutters. Height gauge for measuring the depth of thread of thread rings] Universal'nyi pribor dlia kontrolya chervlachnykh frez. Vysotomer dlia izmereniya vysoty profil'a rez'by u rez'bovykh kolets. [By] S. I. Shapiro. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1956. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21, No. M-58-156/8)

METAL-CUTTING TOOLS—VIBRATION

Efficiency of cooling drills, counterbores and broaches. N. N. Bardnikov. *Stan. i instr.* 34 no. 4:26-27 Ap '63.

METAL DETECTORS

Design of the pickup units of metal locators. V. G. Sokhin, A. M. Kashchits. *Sbor. trud. VNIINerud* no. 2:112-123 '62.

METAL POWDER PRODUCTS

Fixed metal dies for the sizing of bushings with collars by the compression method [with summary in English]. I. D. Radomyshelskiy, E. L. Pechentkovskiy. *Porosh. met.* 3 no. 1:83-92 Ja-F '63.

[Making products by powder metallurgy methods] Izgotovlenie izdelii metodami poroshkovoi metallurgii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, No. 1, 1958. 26 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 4, No. M-58-167/2)

METAL POWDERS

Effect of high dispersion nonmetallic inclusions on the mechanical properties and recrystallization of powder metals [with summary in English]. I. U. N. Semenov. *Porosh. met.* 3 no. 1:51-59 Ja-F '63.

High dispersion iron carbonyl powder for high frequency magnetic dielectrics [with summary in English]. A. I. Fridenberg and others. *Porosh. met.* 3 no. 1:33-41 Ja-F '63.

METAL POWDERS—PERMEABILITY

Investigating the permeability to gas and the fineness of cleaning of nonspherical powder filters [with summary in English]. R. A. Andrievskiy, B. Z. Tsvetkovskiy. *Porosh. met.* 3 no. 1:69-74 Ja-F '63.

METAL SPRAYING

Gilzmanenko, D. L. ed. [Flame metalworking processes] Gazoplamennaya obrabotka metallov. [By] G. A. Asimovskaya i dr. Moskva, Proftekhizdat, 1962. 556 p.

Metallized pseudoalloys. L. B. Tarasov. *Mashinostroitel'* no. 2:35-30 F '63.

METALLIC FILMS

Titov, V. A., and A. R. Akubenko. [Effectiveness of steel protection against corrosion by various methods of oxidation] Effektivnost' zashchity stali ot korrozii razlichnymi metodami oksidirovaniya. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13, No. M-58-108/11)

METALLOGRAPHY

[Constitutional diagrams of metal systems, published in 1959 (no. 5)] Diagrammy sostoaniya metallicheskikh sistem, opublikovannyye v 1959 goda (vypusk V) [By] Z. M. Rogachevskaya, Pod red. N. V. Ageeva, Moskva, [Proizvodstvenno-izdatel'skii kombinat VINITI] 1962. 166 p.

Kosolapov, G. F. [Roentgenography] Rentgenografiya. Moskva, Vysshaya shkola, 1962. 331 p.

Metal becomes transparent. P. Makymak. *Nauka i zhyttia* 12 no. 1:36-37 Ja '63.

Petrov, G. L. [Inhomogeneity of the metal in welded joints] Nednorodnost' metallu svarnykh soedinenii. Leningrad, Sudpromgiz, 1963. 205 p.

Tambovtsev, S. P. [Effect of the microstructure of metals on their machinability] Vliyaniye mikrostruktury metallov na ikh obrabatyvaemost'. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 22 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10, No. M-58-146/27)

Utilization of X-ray microradiography in studying thin sections. I. A. Vainshenker. *Rent. min. syr.* no. 1:140-162 '62.

Vesolovskiy, I. U. P., and B. I. Grasse. [Laboratory manual for a course on the "Technology of metals and structural materials"] Laboratornyi praktikum po kursu "Tekhnologiya metallov i konstruktivnyye materialy." Moskva, Mashgiz, 1962. 150 p.

Work of the Section of Metallography and Heat Treatment at the Kiev Regional Administration of the Scientific Technology Society for the Machinery Industry. S. S. Zaslavskiy. *Metalloved i term. obr. met.* no. 3:61-62 Mr '63.

METALLURGICAL FURNACES

Lemlekh, I. M., and V. A. Gordin. [High temperature preheating of air in ferrous metallurgy] Vysokotemperaturnyy nagrev vozdukh v cherno metallurgii. Moskva, Metallurgizdat, 1963. 352 p.

METALLURGICAL LABORATORIES—EQUIPMENT AND SUPPLIES

Vesolovskiy, I. U. P., and B. I. Grasse. [Laboratory manual for a course on the "Technology of metals and structural materials"] Laboratornyi praktikum po kursu "Tekhnologiya metallov i konstruktivnyye materialy." Moskva, Mashgiz, 1962. 150 p.

METALLURGICAL PLANTS see subdivision under Lipetsk

METALLURGICAL PLANTS—EQUIPMENT AND SUPPLIES

Once again about esthetics in industry. S. Pavzner. *Metallurg* 8 no. 4:40 Ap '63.

METALLURGICAL RESEARCH

Bril, S. D., and A. B. Partsevskiy. [Ferrous metallurgy research institutes in capitalist countries] Nauchno-issledovatel'skie uchrezhdeniya chernoi metallurgii kapitalisticheskikh stran. Moskva, Tsentr. in-t informatsii chernoi metallurgii, 1962. 55 p. [MICROFILM]

METALLURGISTS

For those who stand on the threshold of a plant. . . I. P. Bardin. Tekhn. mol. 31 no. 1:19-19 '63.

METALLURGY

Modeling processes of in-the-ledge treatment of metal by slag. N. I. Birlukov, A. N. Morozov. Izv. vys. ucheb. zav. Chern. met. 6 no. 2:39-44 '63.

METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur. : Met. nos. 3-4 Mr-Apr '63.

METALLURGY—CONGRESSES

Second Seminar at the Technical Sciences Branch of the Academy of Sciences of the Ukrainian S. S. R. Metalloved. i term. obr. met. no. 3:59-61 Mr '63

METALLURGY—HYGIENIC ASPECTS

Continuous improvement of work conditions in industry is the metallurgists' immediate objective. N. Anufrienko. Metallurg 8 no. 4:39 Ap '63.

METALLURGY, VACUUM see Vacuum metallurgy

METALS—ANALYSES

Determination of ultrasmall amounts of tin, bismuth, and antimony in high purity aluminum by the method of anodic volt-ampere measurement on a stationary mercury electrode [with summary in English]. E. N. Vinogradova, L. N. Vasil'eva. Zhur. anal. khim. 17 no. 5:579-584 Ag '62.

Use of anion exchangers for separating small quantities of cobalt, nickel, manganese, and copper in their determination in soils [with summary in English]. I. K. Tsvetich. Zhur. anal. khim. 17 no. 5:621-626 Ag '62.

METALS—BIBLIOGRAPHY see Bibliography—Metals

METALS—FATIGUE

Fatigue strength of welded pipes. V. A. Bellanin, M. N. Origor'eva. Trakt. i sel'khoz. mash. 32 no. 12:33 D '62.

METALS—FINISHING

Burnishing of planes with ball heads. V. A. Belov. Stan. i instr. 34 no. 4:21-24 Ap '63.

Isaev, A. I., and N. A. Morozov. [Effect of methods and conditions of metal finishing on the operational properties of gas-turbine blade alloys] Vliyanie metoda i rezhima chistovoi obrabotki na ekspluatatsionnye kachestva gazoturbinskiy lopatki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-127-21)

Surface finishing with wire brushes. I. U. G. Proskuriakov, V. A. Kulikovskii. Vest. mashinost. 43 no. 2:56-59 F '63.

METALS—OXYGEN CONTENT

Feasibility of determining oxygen in metals by the isotope spectrum method [with summary in English]. A. N. Zaidel', G. S. Lazeeva, A. A. Petrov. Vest. LGU 18 no. 4:55-58 '63.

METALS—PICKLING

Petrov, V. N. [Equipment for the spray pickling of parts prior to electroplating] Ustanovka dlia strunogo travleniya detalей pored naneseniem pokrytiy. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-220-23)

METALS—TESTING

Timofeev, E. I., and L. A. Urvantsev. [Equipment for the impact testing of metals] Ustanovka dlia dinamicheskogo ispytaniya metall. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32. No. P-58-5/3)

METALS, EFFECT OF RADIATION ON

Effect of the irradiation of indium by thermal neutrons on the molecular composition of its vapor. E. G. Shvidkovskii, G. M. Martynkevich, G. V. Mal'kova. Dokl. AN SSSR 149 no. 4:816-817 Ap '63.

METALS, EFFECT OF TEMPERATURE ON

Belkov, G. M., and N. T. Lilenko. [Effect of heating conditions on the plastic properties of 9KhF steel at forging temperatures. Skid hopper for metal feed from the furnace to the forging hammer] Vliyanie rezhima nagreva na plasticheskie svoystva stali 9KhF pri kovochnykh temperaturakh. Metallovedeniye i obrabotka metallov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-252/14)

Davidovskaya, E. A., and others. [Effect of heat treatment on the tendency in stainless steel toward intercrystalline corrosion] Vliyanie termicheskoi obrabotki na sklonnost' nerzhavayushchikh staley k mezhkristallinnoi korrozii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-15/1)

Effect of the volume of martensite transformation on the graphitization of white cast iron. I. N. Bogachev, G. S. Davydov. Izv. vys. ucheb. zav. Chern. met. 6 no. 2:104-110 '63.

High-temperature treatment of titanium alloys with an instable β -phase. V. N. Dobatkin, G. A. Bocharov. Metalloved. i term. obr. met. no. 2:59-62 F '63.

Kazakov, N. F. [Changes in the hardness of cutting-tool materials and of parts being machined under the effect of heating] Izmenenie tverдости materialov rezhushchego instrumenta i obrabatyvaemykh detalей pri nagreve. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 25 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 20. No. M-57-128/7)

Nature of rheotropic recovery. A. A. Presniakov, L. I. Dautova, E. S. Aikhodzhi. Izv. AN SSSR. Old. tekhn. nauk. Met. i gor. delo no. 1:142-143 Ja-F '63.

Temperature dependence of the electric conductivity of certain alloys. A. M. Korol'kov, D. P. Shashkov. Izv. AN SSSR. Old. tekhn. nauk. Met. i gor. delo no. 1:105-108 Ja-F '63.

METALS, RARE AND MINOR

Characteristics of the distribution of rare alkali metals in chambered pegmatites as a possible criterion of prospecting for optical fluorite and piezoquartz. E. D. Kalita. Sov. geol. 6 no. 3:82-93 Mr '63.

Practical use of radiometric methods in searching for rare metal ores. V. A. Kozitskii, A. F. Stankovskii. Sborn. st. MGION no. 1:47-50 '62.

METALS, SUBSTITUTES FOR

Substitutes for metals. S. Andriyevskiy. Ukraina no. 2: 2 Ja '63.

METALS AT LOW TEMPERATURES

Effect of composition and structure on the impact toughness of steel at temperatures below freezing. Kh. Shumann. Metalloved. i term. obr. met. no. 3:15-20 Mr '63.

METALWORK

(see also subdivision under Kamchatka; Magadan Province)

About specialized books for machinery-industry workers. T. Vvedenskii. Mashinostroitel' no. 2:46 F '63.

Machine parts growing like flowers. E. Evgen'ev. Znanie-sila 38 no. 1:15 Ja '63.

METALWORKING LUBRICANTS

[Pouring of alloyed steel with the use of petrolatum] Razlivka legirovannoi stali s petrolatumom. [By] G. A. Khasin i dr. Moskva, Metallurgizdat, 1963. 44 p.

Shor, E. R. [Selecting metal lubricants and equipment for their mechanized application during the forging of aluminum alloys] Vybór tekhnologicheskikh smazok i oborudovaniya dlia ikh mekhanizirovannogo naneseniya pri gorachei shtampovke aluminievyykh splavov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-43/4)

METALWORKING MACHINERY

Shern, L. T. [Group manufacture of parts of high-production machines] Gruppovaya obrabotka detalей na vysokoproduktivnykh stankakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-273/40)

METASOMATISM

(see also subdivision under Kara-Mazar Mountains) Low-temperature quartz-albite alterations of rocks near uranium ore bodies. G. A. Lisitsina, B. I. Omel'ianenko, P. A. Rudonits. Geol. rud. mestorozh. 5 no. 1:7-16 Ja-F '63.

METASTASIS

Means of metastasizing primary tumors of the thymus gland. E. E. Konig. Zdrav. Turk. 7 no. 1:21-23 Ja '63.

METEORITES see subdivision under Podkamennaya Tunguska Valley

METEOROLOGICAL STATIONS see subdivision under Alasarcha Valley

METEOROLOGY

Institutions of the Hydrometeorological Service. Meteor. i gidrol. no. 3:63-64 Mr '63.

State of and outlook for the development of Hydrometeorological Service of the U. S. S. R. E. K. Fedorov. Meteor. i gidrol. no. 3:3-12 Mr '63.

METEOROLOGY—BIBLIOGRAPHY see Bibliography—Meteorology

METEOROLOGY—CHARTS, DIAGRAMS, ETC.

[Synoptic atlas for schools] Uchebnyi sinopticheskii atlas. Pod red. Kh. P. Pogoslana. 3, perer. i dop. izd. Leningrad, Gidrometeoizdat, 1962. 217 fold, col. maps (in portfolio)

I. Astapenko, P. D. [Assignments for students] Zadaniya dlia uchashchikhsya. Pod red. Kh. P. Pogoslana. 138 p.

II. Astapenko, P. D. [Methodological instructions and recommendations for teachers] Metodicheskie ukazaniya i rekomendatsii dlia prepodavatelei. Pod red. Kh. P. Pogoslana. 73 p.

METEOROLOGY—OBSERVATIONS see subdivision under Franz Josef Land

METEORS

Fragmentation of meteoric bodies. B. I. U. Levin. Astron. zhur. 40 no. 2:304-311 Mr-Apr '63.

"Radar investigation of meteor phenomena" by B. L. Kashcheev, V. N. Lebedev. Reviewed by I. S. Astapovich. Astron. zhur. 40 no. 2:393-395 Mr-Apr '63.

METHANE

Aryl sulfonyltrifluoromethylsulfonylmethanes. L. M. Lagupol'skii, N. V. Kondratenko. Zhur. ob. khim. 33 no. 3:920-928 Mr '63.

Esters of β -ketophosphinic acids. Report No. 11: Action of diazomethane on diethyl esters of acetyl- and benzoylphosphinic acids. B. A. Arbutov and others. Izv. AN SSSR. Old. khim. nauk no. 4:675-783 Ap '63.

Ignition of methane mixtures by shock waves. A. A. Borisov, S. M. Kogarko, A. V. Liubimov. Dokl. AN SSSR 149 no. 4:868-871 Ap '63.

Results of experimentally testing an installation for fermentation of methane from farm waste. G. V. Gornovskov. Nauch. trudy VIESKH 11:128-140 '62.

Study of nonstationary temperature processes in flameless contact burning of methane. O. N. Shecherban', N. I. Furman. Zbir. prets. Inst. tepl. AN URSR no. 24: 3-13 '62.

METHANE—SPECTRA

Dependence of the absorptive capacity of acetylene and methane in the infrared spectral region on the presence of foreign gases. I. N. Orlov. Opt. i spekt. 13 no. 4: 471-474 O '62.

METHANEDIOL

Glycol ethers and their derivatives. Part 53: Dimethyl-ene glycol ethers. Shamskhal Mamedov, T. N. Dzhalilov. Zhur. ob. khim. 33 no. 3:846-851 Mr '63.

METHANOL

Chemical transformations and phase transitions of a zinc-chromium catalyst of methanol synthesis. I. A. V. Zhigalo and others. Khim. prom. no. 1:29-34 Ja '63.

Pyridylthiazolymethane. Part 2: Synthesis and properties of 2-pyridyl-2'-thiazolylcarbinols. V. G. Ermolaeva, I. S. Musatova, M. N. Shechukina. Zhur. ob. khim. 33 no. 3:825-828 Mr '63.

METHIONINE

Rate of formation of sulfur-containing precursors of hair keratin in the skin of sheep following the peroral administration of sulfate and methionine. A. L. Paducheva, Z. I. Volkova, Zh. A. Pechilova. Dokl. AN SSSR 148 no. 5:1205-1206 F '63.

METHOXY GROUP

Functional analysis of macromolecular compounds. Report No. 1: Microdetermination of methoxy groups in copolymers and polymers [with summary in English]. A. I. Lebedeva, E. S. Pisarenko. Zhur. anal. khim. 17 no. 5:636-638 Ag '62.

METHYLENE BLUE

Relation between the mechanical properties of sulfonation exchanger grains and the establishment of pseudoequilibrium states during the sorption of organic ions on these grains. G. S. Libinon, E. M. Savitskaya. Dokl. AN SSSR 148 no. 6:1343-1345 F '63.

METRIC SYSTEM

Technical development and the new international unit system. I. A. G. Shchepan. Avtom. i prib. no. 1:91-93 Ja-Mr '63.

METRIC SYSTEM—CONVERSION TABLES

Table for the conversion of British measures into metric ones. Blud. tekhn. ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:insert '62.

MEXICO—RELATIONS (GENERAL) WITH RUSSIA

"Your hearts are open to your guests." E. Ivanov. Sov. Kres. krest 12 no. 5:17-18 S-O '62.

MEZEN' VALLEY—GEOLOGY, STRATIGRAPHIC

Vetloga series of the Triassic of the Mezen' basin. G. F. Budanov, V. A. Molin. Dokl. AN SSSR 149 no. 2:381-384 Mr '63.

MEZHLAUK, VALERII IVANOVICH, 1893-1938

Active member of the Communist Party; on the 70th anniversary of V. I. Mezhlauk's birth. F. K. Mezhlauk. Ukr. ist. zhur. 6 no. 1:96-98 Ja-F '63.

MICHURIN, IVAN VLADIMIROVICH, 1855-1893

Pidhrushnyi, I. S. [I. V. Michurin's philosophy] Svito--hilad I. V. Michurina. Kyiv, Akad. nauk URSR, 1960. 211 p. (MH)

MICROBIOLOGICAL RESEARCH

Urgent problems of microbiology. A. A. Imshenetskiy. Vest. AN SSSR 33 no. 3:82-80 Mr '63.

MICROBIOLOGY

Defense of dissertations. I. V. Konova. *Mikrobiologiya* 31 no. 6:1139-1141 N-D '62.
"The organization of cells and other organisms" [in English] by L. Picken. Reviewed by S. N. TSitologiya 4 no. 3:380 My-Je '62.

MICROBIOLOGY—LABORATORY MANUALS

Seliber, G. L., and others. [Comprehensive laboratory manual on microbiology] *Bot'shoi praktikum po mikrobiologii*. [By] T. V. Arlovskaya i dr. Pod obshchey red. G. L. Selibera. Moskva, Vysshaya shkola, 1962, 480 p.

MICROCHEMISTRY

Rapid microanalysis of chemical elements by the moving boundary method. B. P. Konstantinov, O. V. Oshurkova. *Dokl. AN SSSR* 148 no. 5:1110-1113 F '63.

MICROCIDE

Antibacterial action of microcide on mixed cultures. O. G. Dotsenko. *Probl. stom.* 6:390-394 '62.

MICROCLIMATOLOGY

Measuring microclimate elements within the stands of agricultural crops. I. G. Mushkin. *Sbor. trud. po agron. fiz.* no. 10:201-211 '62.

MICROORGANISMS

Orthoptera (Tettigonidea and Acrididae) as stimulants of the microbiological processes of decay and mineralization of vegetative matter in the meadow steppes of Western Siberia [with summary in English]. I. V. Stebaev, A. B. Gukaslan. *Zool. zhur.* 42 no. 2:216-221 '63.

MICROORGANISMS, NITROGEN-FIXING

Role of nodule bacteria in the nitrogen nutrition of leguminous plants [with summary in English]. L. M. Dorosinskiy, N. M. Lazareva, V. T. Emtsev. *Mikrobiologiya* 31 no. 6:1061-1066 N-D '62.

MICROSCOPE

Obnovlenkiy, P. A., and others. [Automatic control of a double microscope. Automatic device for checking rollers] *Avtomatizatsiya dvoytnogo mikroskopa*. Avtomat dlia kontrolya valikov. [By] A. I. Khotil'n, N. F. Papazov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-140/5)

MICROSCOPY

Study of the history of the microscope and microscopic research in the U. S. S. R. A. I. Metelkin. *Mikrobiologiya* 31 no. 6:1122-1128 N-D '62.

MICROSEISMS

Mushn, A. Ch., M. T. Bakaev, and P. I. Ovsinnikov. [Using the microseismic method for studying the massifs of rocks] *Primenenie mikroseizmicheskogo metoda dlia issledovaniya massivov gornykh porod*. Moskva, Gosgortekhnizdat, 1962. 61 p.

MICROWAVE AMPLIFICATION BY STIMULATED EMISSION OF RADIATION see Masers

MICROWAVE MEASUREMENTS

Waveguide method for measuring magnetic permeability tensor and specific inductive capacitance of ferrites. L. A. Mukharev. *Radiotekh. i elektron.* 8 no. 3:516-520 Mr '63.

MICROWAVE RELAY SYSTEMS see Radio relay systems

MICROWAVE TUBES

Backward-wave electron-beam amplifier with additional modulation of the beam at double signal frequency. V. P. Martynov and others. *Radiotekh. i elektron.* 8 no. 3:524-527 Mr '63.

Use of the theory of a lone conductor in the analysis of electron-beam devices. I. U. IA, I. Urov. *Izv. vya. ucheb. zav. radiotekh.* 5 no. 1:15-23 Ja-F '63.

MICROWAVES

Account of the effect of active losses in long antenna arrays on the amplification factor. E. A. Vorob'ev. *Izv. vya. ucheb. zav. radiotekh.* 6 no. 1:88-91 Ja-F '63.

Calculation of the trajectories of electrons in an electron gun at the input of a traveling-wave tube. A. L. Igritskiy. *Radiotekh. i elektron.* 8 no. 3:440-452 Mr '63.

Calculation of the transmission factor of three-waveguide directional couplers. S. M. Finkel'shtein. *Izv. vya. ucheb. zav. radiotekh.* 6 no. 1:64-71 Ja-F '63.

Choice of parameters and application of polarization grids. I. U. S. Bondartsev. *Radiotekh. i elektron.* 8 no. 3:502-504 Mr '63.

Commutation methods for multiplying the frequency of a traveling-wave. S. M. Egudov. *Radiotekhnika* 18 no. 3:17-22 Mr '63.

Conditions for the self-excitation of a system of resonators as a problem of eigenvalues. A. S. Roshal'. *Radiotekh. i elektron.* 8 no. 3:522-524 Mr '63.

Device for converting mechanical energy to super-high frequency energy. V. F. Zol'in. *Radiotekh. i elektron.* 8 no. 3:531-533 Mr '63.

Generation of microwave oscillations by electrons in a potential hole made up by a positive space charge. M. D. Gabovich, G. S. Kirichenko. *Radiotekh. i elektron.* 8 no. 3:520-522 Mr '63.

Graphical determination of the effective values of electrical parameters of earth routes for ultrashort waves. A. V. Goliashev. *Radiotekh. i elektron.* 8 no. 3:389-393 Mr '63.

Mikaellian, A. L. [Theory and applications of ferrites at super-high frequencies] *Teoriya i primeneniye ferritov na sverkhvysokikh chastotakh*. Moskva, Gosenergizdat, 1963. 662 p.

Noises of parametric ferrite amplifiers and microwave oscillation converters using frequencies higher than the pumping frequency. I. A. A. Monosov, V. I. Zubkov. *Radiotekh. i elektron.* 8 no. 3:533-535 Mr '63.

Two-screen helical delay line. V. S. Brykov. *Radiotekh. i elektron.* 8 no. 3:433-437 Mr '63.

Use of a waveguide method for measuring the parameters of seignetolectrics with regulated specific inductive capacitance. I. U. M. Poplavko. *Izv. vya. ucheb. zav. radiotekh.* 6 no. 1:83-86 Ja-F '63.

Use of the theory of a lone conductor in the analysis of electron-beam devices. I. U. IA, I. Urov. *Izv. vya. ucheb. zav. radiotekh.* 6 no. 1:15-23 Ja-F '63.

MIDDLE AGES

"History of the Middle Ages" by V. F. Semenov. Reviewed by A. G. En'ko. *Vop. ist.* 38 no. 3:155-157 Mr '63.

"T. N. Granovskiy's lectures on the Middle Ages." Reviewed by N. V. Minaeva. *Vop. ist.* 38 no. 3:150-152 Mr '63.

MIDDLE CLASSES

Psychology and ideology of the petty bourgeoisie in present-day capitalist states [with summary in English, pp. 184-185]. S. N. Nadel'. *Vop. filos.* 17 no. 3:106-117 '63.

MIDDLE EAST see Near East

MIGRATION OF ANIMALS see Animals, Migration of

MIKESHIN, MIKHAIL OSIPOVICH, 1836-1896—HOMES AND HAUNTS

Consience. S. Konenkov. *Ogonek* 40 no. 46:16-21 N '62.

MIKHAILOV, PAVEL NIKOLAEVICH, 1786-1840

Painter of the sixth continent. V. Vladimirov. *Ogonek* 41 no. 4:24-25 Ja '63.

MIKHAILOV, SERGEI VLADIMIROVICH, 1913-

Gay talent. N. Krzhkov. *Ogonek* 41 no. 11:10 Mr '63.

MIKHAYLOVKA (DZHAMBUZ PROVINCE)—SERVICE INDUSTRIES

At the service of village residents. Kh. Garifova. *Koop. Kazakh.* 5 no. 1:36-37 Ja '63.

MILITARISM see subdivision under Germany, West

MILITARY ASSISTANCE, AMERICAN see subdivision under Vietnam, South

MILITARY BASES, AMERICAN see subdivision under Formosa

MILITARY COMMUNICATIONS see Communications, Military

MILITARY EDUCATION

(see also subdivision under Sverdlovsk Province; Ukraine)

D'yachenko, M. I. [Individual approach in the training of soldiers] *Individual'nyi podkhod v vospitani i voynov*. Moskva, Voenizdat, 1962. 117 p.

Powerful force of an active public group. *Voen. znani.* 39 no. 2:3-4 F '63.

Motto of youthful patriots. K. Fedorov. *Voen. znani.* 39 no. 2:20-21 F '63.

Shop workers' organization. G. Tomilin. *Voen. znani.* 39 no. 2:24 F '63.

When activists get down to business. *Voen. znani.* 39 no. 2:23 F '63.

MILITARY ENGINEERING

Karbyshch, D. M. [Selected scientific works] *Izbrannyye nauchnyye trudy*. Moskva, Voenizdat, 1962. 703 p.

MINING ENGINEERING—BIBLIOGRAPHY see Bibliography—Mining engineering

MILITARY LAW

The role of socialist legality in the development and consolidation of the Soviet Armed Forces. A. G. Gornyi. *Sov. gos. i pravo* 33 no. 4:83-91 Ap '63.

MILITARY MUSEUMS see subdivision under Leningrad

MILITARY POLICY

"NATO, the entangling alliance" by Robert Endicott Osgood; "The politics of western defence" [both in English] by F. W. Mulley. Reviewed by G. Gerastimov. *Mir. ekon. i mezhdunar. otn.* no. 3:136-139 '63.

MILITARY RADIO see Radio, Military

MILITARY STANDARDS see Standards, Military

MILK—MICROBIOLOGY

Skorodumova, A. M. [Practical manual on the technical microbiology of milk and milk products] *Prakticheskoe rukovodstvo po tekhnicheskoi mikrobiologii moloka i molochnykh produktov*. 3. Izd., perer. i dop. Moskva, Pishchepromizdat, 1963. 306 p.

MILK VETCH

(see also subdivision under Azerbaijan)

Morphological and anatomical study of *Astragalus dasyanthus* Paill. of the family Leguminosae. I. P. Karpus'. *Farmateev. zhur.* 17 no. 4:33-37 '52.

MILKING MACHINES

Circular conveyor-type milking units. B. Kovler. *Sel. stroi.* 17 no. 2:0-9 F '63.

A system for milking cattle in the fields. A. Gavrilenko. *Sel'. melk.* no. 8:26-27 '62.

MILKY WAY

Thickness of the gas disk of the Galaxy from observations at 21 cm. wave length [with summary in English]. T. A. Lozinskaya, N. S. Kardashev. *Astron. zhur.* 40 no. 2:209-215 Mr-Apr '63.

MILLING MACHINERY

Comparison crushing of grain products by rolls with pulley and roller feed mechanisms. G. D. Gal'perin, A. I. Peisakhovich. *Izv. vya. ucheb. zav. pishch. tekhn.* no. 1:103-107 '63.

MILLING MACHINES

Calculating the magnitude of an inclination angle of milling machine spindle during the machining of planes. I. U. A. Fridman. *Stan. i instr.* 34 no. 4:14-15 Ap '63.

Expanding engineering potentialities of semi-automatic milling and centering machines. B. F. Sheremet, Zh. E. Skupnik. *Stan. i instr.* 34 no. 4:35-36 Ap '63.

A high-production milling head. E. V. Ivanov. *Energomashinostroenie* 9 no. 2:30-31 F '63.

MILLING MACHINES—NUMERICAL CONTROL

Pis'mennyi, M. A. [Servosystems for profile milling] *Sledushchie sistemy dlia konturnogo frezirovaniya*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No. M-58-124/20)

Program controlled milling machine. O. A. Saif'nikov, S. F. Smetanin, I. U. E. Levchik. *Stan. i instr.* 34 no. 4:40 Ap '63.

System of program control for the 6L12P and 6L2G milling machines. E. I. Novokintko, I. M. Bagdasar'yan. *Stan. i instr.* 34 no. 4:11-14 Ap '63.

MILLING MACHINES—TECHNOLOGICAL INNOVATIONS see subdivision under Moscow

MILLIONSIIKH, MIKHAIL DMITRIYEVICH, 1913-

Fiftieth anniversary of Academician M. D. Millionshchik. *Vest. AN SSSR* 33 no. 3:125-126 Mr '63.

MINE BUILDINGS

Islamov, Kh. B., and B. M. Gorodnichyev. [Handbook on construction on the surface of coal mines] *Spravochnik po stroitel'stvu poverkhnosti ugo'lynykh shakht*. Moskva, Gosgortekhnizdat, 1962. 200 p.

MINE DRAINAGE see subdivision under Kuznetsk Basin; Safonovo region (Smolensk Province); Tikhvin District

MINE GASES

Relative changes of the energy of seismic-acoustic processes during the sudden outburst of coal and gas. A. G. Konstantinova, L. G. Mysina. *Izv. AN SSSR. Ser. geofiz.* no. 2:301-308 F '63.

Savenko, L. V., and M. I. Ozerkin. [Degasification of accessory minerals in coal seams] *Degazatsiya spulnikov ugo'lynykh plastov*. Kiev, Gostekhnizdat USSR, 1960 p.

MINE HAULAGE

(see also subdivision under Donetsk Basin; Krivoy Rog Basin; Leningradsk region, East Kazakhstan Province)

Vasil'ev, M. V. [Scientific principles for planning and operating truck transportation in open-pit mines] *Nauchnye osnovy proektirovaniya i ekspluatatsii avtomobil'nogo transporta na otkrytykh gornykh razrabotkakh*. Sverdlovsk, 1962. 332 p. (Akademiya nauk SSSR. Ural'skii filial. Institut gornogo dela. Trudy, no. 1)

MINE HAULAGE—EQUIPMENT AND SUPPLIES

"New equipment in mine haulage." *Bezop. truda v prom.* 7 no. 3:31 Mr '63.

MINE HOISTING—SAFETY APPLIANCES

Spring drive for mine-hoist brakes. K. I. Iubinskii, L. T. Maksimov. *Bezop. truda v prom.* 7 no. 3:8-11 Mr '63.

MINE LIGHTING

PNN-500 mine light. *Shakht. stroi.* 7 no. 4:3 of cover Ap '63.

MINE MANAGEMENT

Establishing standard coefficients for evaluating the economic efficiency of construction, reconstruction, and over-all mechanization of mines. N. I. Ivanov. *Shakht. stroi.* 7 no. 4:4-6 Ap '63.

Linear programming and its use in the construction of mining enterprises. G. V. Surmilo, S. M. Rabinovich. *Shakht. stroi.* 7 no. 4:16-17 Ap '63.

Nagibin, P. V. [Organization and planning of the construction of mining enterprises] *Organizatsiya i planirovaniye stroitel'stv gornykh predpriyatiy*. Moskva, Gosgortekhnizdat, 1962. 504 p.

MINE RAILROADS

Mal'shikova, A. F., and K. F. Druzhinin. [Layout selection and calculation of tracks for railroad stations in open-pit mines] Vybór skhem i raschet putevogo razvitiia zheleznodorozhnykh stantsii na kar'erakh, Moskva, Gosgortekhnizdat, 1962, 39 p.

Searching for efficient means of automatic loading and changing cars in loading them from the bunker. S. V. Malevanski. Sbor. KuzNIU no. 8:63-65 '61.
Using a bunker train in tunneling. Shakht. stroi. 7 no. 4: 23-25 Ap '63.

MINE RAILROADS—EQUIPMENT AND SUPPLIES see subdivision under Kuznetsk Basin

MINE ROOF BOLTING

(see also subdivision under Severo-Yeniseyskiy region)

Empirical calculation for fastening expansion shells and changing of wedge-shaped, slotted rods. A. S. Kur'sko. Shakht. stroi. 7 no. 4:8-9 Ap '63.

MINE ROOF BOLTING—EQUIPMENT AND SUPPLIES

ABK unit for rod bolting. I. A. A. Kucher, E. A. Shapovalov. Shakht. stroi. 7 no. 4:15-16 Ap '63.

MINE SURVEYING

In the main direction. M. Myronov. Nauka i zhyt'ia 12 no. 1:18-19 Ja '63.

MINE TIMBERING

(see also subdivision under Donetsk Basin; Krivoy Rog Basin; Kursk Magnetic Anomaly)

APK arch-type pliable support. B. V. Alferov, V. P. Dado. Shakht. stroi. 7 no. 4:6-8 Ap '63.

Basis for the selection of optimum compositions of stressing cement for mine supports from self-stressed reinforced concrete. V. A. Potashnikov. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:210-220 '62.

Brief account of results of studies on the penetration resistance of props and of works on the theory of punch props. I. A. Zakutskii. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:42-60 '62.

Calculations for the precast reinforced concrete tubing of mines. K. V. Ruppenott, I. U. A. Peslinsk. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:24-41 '62.

Fatigue life of a rubber stretchable balloon in hydraulic props. S. V. Mamontov. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:221-226 '62.

New wooden ring supports. I. U. N. Grablin. Shakht. stroi. 7 no. 2:30-31 F '63.

Some problems of the laboratory research methods of hydraulic props. I. V. Iakovleva. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:203-200 '62.

Studying the carrying capacity of anchor props and selecting their parameters. N. I. Mel'nikov. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:177-187 '62.

Studying the manifestation of rock pressure when testing combined hydraulic props. S. V. Mamontov. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:162-176 '62.

"Supporting vertical shafts with solid concrete" by I. U. Z. Zaslavskii. Reviewed by V. M. Gorodnichen, R. A. Tlurkian. Shakht. stroi. 7 no. 2:31-32 F '63.

Tikhonov, M. E. [Means of controlling roofs] Spособы upravleniia krovel'. Kiev, Gosstekhnizdat USSR, 1962, 150 p.

Zaslavskii, I. U. Z. [Reinforcing vertical mine shafts with solid concrete] Kreplenie vertikal'nykh stvolov shakht monolitnym betonom. Kiev, Gosstekhnizdat USSR, 1962, 190 p.

MINE TIMBERING—EQUIPMENT AND SUPPLIES

Use of a bitumen-latex emulsion and plastic concrete in supporting mine shafts. A. V. Lezhnev. Shakht. stroi. 7 no. 2:16-17 F '63.

MINE VENTILATION

Combination ventilation system with grouped arrangement of fans. A. A. Maksimchuk, V. A. Trugubov. Shakht. stroi. 7 no. 4:22-23 Ap '63.

Karataev, A. F. [Determination of types of variations in the ventilation systems for coal mines] Opredelenie tipovykh variantov sistem provetrivaniia ugol'nykh shakht. Moskva, Gosgortekhnizdat, 1962, 97 p.

MINE WATERS

Approximate determination of the inflow of underground water to horizontal workings. V. I. Davidovich. Zap. LUI 44 no. 2:56-61 '62.

MINERAL OILS see subdivision under Moscow

MINERAL WATERS

Bezobchuk, K. M., and E. I. Ulanitskaya. [Therapeutic use of potable mineral waters] Lechebnoe primenenie pit'evykh mineral'nykh vod. Kiev, Gosmedizdat USSR, 1962, 83 p. (DNL)

MINERAL WATERS—COMPOSITION see subdivision under Abakakh Lake

MINERAL WAX see Ozocerite

MINERAL WOOL

From molten slag. Nauka i zhyt'ia 12 no. 1:10 Ja '63.

MINERALOGY see subdivision under Chorukh-Dayron region

MINERALOGY—DICTIONARIES

Nakhimzhan, O. E., comp. [Dictionary of mineralogical terms in five languages] Piatilazychnyi slovar' mineralogicheskikh nazvani. Pod red. Soblevskogo, V. I. Moskva, Glav. red. inostr. nauchno-tekhn. slovar' Fizmatgiz, 1962, 347 p.

MINERALOGY, DETERMINATIVE

Electron microscope study of ore minerals. G. S. Grifitsenko, K. E. Frolova. Geol. rud. mestorozh. 5 no. 1:84-89 Ja-F '63.

Sementovskii, I. U. V. [Universal rotor-integrator for the quantitative geometrical analysis of rocks and materials] Universal'nyi rotor-integrator dlia kolichestvennogo geometricheskogo analiza gornykh porod i materialov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 8 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33, No. P-58-139/7)

Using the magnetic pattern method for studying ore minerals. M. A. Grabovskii, O. N. Zherdenko. Geol. rud. mestorozh. 5 no. 1:99-104 Ja-F '63.

MINERALS

(see also subdivision under Polousnyy Range)

Crystalline structure of clinohedrite $\text{Ca}_2\text{Zn}_2(\text{OH})_2\text{Si}_2\text{O}_7 \cdot \text{H}_2\text{O}$. A. V. Nikitin, N. V. Belov. Dokl. AN SSSR 148 no. 6:1386-1388 F '63.

Polymorphism of compounds of the TRnTlO_g type. A. I. Komkov. Dokl. AN SSSR 148 no. 5:1182-1183 F '63.

MINERALS—ANALYSIS

Mitrofanov, S. I. [Studying the beneficiation properties of minerals] Issledovanie poleznykh iskopayemykh na obogathnost'. Izd. 3., perer. i dop. Moskva, Gosgortekhnizdat, 1962, 570 p.

MINERALS IN THE BODY

Content of lithium, sodium, potassium, rubidium and cesium in the muscles of marine animals of the Barents and Black Seas. I. V. Burovina and others. Dokl. AN SSSR 149 no. 2:413-415 Mr '63.

MINES AND MINERAL RESOURCES

(see also subdivision under Africa; Australia; Kola Peninsula; Oceania; Siberian Platform; Ural Mountains; Uzbekistan)

Future of new deposits is on the agenda. G. Rupasov, N. Erešov. NTO 5 no. 2:54 F '63.

MINIATURE ELECTRONIC EQUIPMENT

Microelectronics. M. Mikhailov. Sov. Soluz no. 2:6-9 '63.

MINIATURE PAINTING see subdivision under Bukhara

MINING ENGINEERING

(see also subdivision under Altai Mountains; East Kazakhstan Province; Sweden)

Analysis of existing methods for determining the length of the longwall taking into account the thermal factor. E. I. Bagatov, V. H. Tereshchenko. Zbir. prats' Inst. topl. AN URSR no. 24:41-48 '62.

Choice of physical heat constants in calculating heat of mine methane in slopes. E. I. Baratov, V. H. Tereshchenko. Zbir. prats' Inst. topl. AN URSR no. 24:49-52 '62.

Conditions for the formation of funnels caused by the mining of ore deposits. N. N. Kuvnev, V. M. Mozhzharin. Bezop. truda v prom. 7 no. 3:23-24 Mr '63.

Improving ways of upralsing using holisting cages (from "Mine and Quarry Engineering," April 1959; "The Mining Journal," no. 13, 1962). V. T. Koval', A. M. Il'in. Shakht. stroi. 7 no. 4:28-29 Ap '63.

Methods for calculating the rate of rock swelling in horizontal development workings. V. A. Lytkin. Fiz.-mekh. svois., dav. i razr. gor. porod no. 1:106-108 '62.

Mitasov, E. T., and V. B. Alekseev. [Mining operations in building the Soligorsk Potassium Combine] Gornye raboty na stroitel'stve Soligorskogo kalinnogo kombinata; informatsionnoe soobshchenie. Moskva, Gosgortekhnizdat, 1962, 10 p.

MINING ENGINEERING—EQUIPMENT AND SUPPLIES

Podlubnyi, S. A. [Installing mine equipment] Montazh shakhtnogo oborudovaniia. Moskva, Gosgortekhnizdat, 1962, 400 p.

MINING ENGINEERING—LABOR PRODUCTIVITY see subdivision under Ukraine

MINING ENGINEERING—PERIODICALS

Conference of the readers of "Shakhtnoye Stroitel'stvo." M. V. Medvedeva. Shakht. stroi. 7 no. 4:32-3 of cover Shakht. stroi. 7 no. 4: Ap '63.

MINING ENGINEERING—PRICES

Price lists for mine construction items. E. V. Lul'ko. Shakht. stroi. 7 no. 2:26-29 F '63.

MINING ENGINEERING—SAFETY MEASURES

(see also subdivision under Krivoy Rog Basin)
Books to be published by the State Publishing House of Literature on Safety Engineering in Mining. G. A. Zenkevich. Bezop. truda v prom. 7 no. 3:36 Mr '63.

MINING GEOLOGY

(see also subdivision under Krivoy Rog Basin)
Morphological types of clusters of small intrusives and hydrothermal jets. P. F. Ivankin. Dokl. AN SSSR 148 no. 4:925-927 Ap '63.

MINING MACHINERY

BP2 pneumatic breaker. Shakht. stroi. 7 no. 2:3 of cover F '63.

Noiseless screen. G. Makarov. Ogonek 41 no. 7:24 F '63.

Use of machines with diesel engines in crosscutting. I. S. Serpukryl. Shakht. stroi. 7 no. 2:23-24 F '63.

MINING MACHINERY—ABSTRACTS

[Manufacture of mining machinery, construction equipment, and road machinery] Ref. Zhur.: Gor., stroi. i dor. mashinost. no. 4 Ap '63.

MINKS

Hemochorial type of placenta in the mink (*Mustela vison*). Z. P. Zhemkova. Dokl. AN SSSR 148 no. 2: 475-477 Mr '63.

MINSK—AUTOMOBILE INDUSTRY

Technical progress at every working area. E. A. Bloshstein, S. I. A. Polevoi. Avt. prom. 20 no. 3:46 Mr '63.

MINSK—HEALTH EDUCATION

Upon graduation. G. Vinogradov. Sov. Kras. krest 12 no. 5:20 S-O '62.

MINSK—MOTOR TRUCKS

Future standard types of high-capacity motor trucks for mines designed at the Belorusskii Automobile Plant. Z. L. Sirotkin, A. G. Denisov. Avt. prom. 20 no. 8: 5-7 Ag '62.

MINSK—POSTAL SERVICE

Work for well organized service to the public. G. E. Mel'nikov. Vest. svyazi 23 no. 3:25-26 Mr '63.

MINSK—TELEVISION—EQUIPMENT AND SUPPLIES

Raise after punishment. V. Ponomarev. Ogonek 41 no. 2:5 Ja '63.

MINSK—TRACTOR INDUSTRY—ACCOUNTING

Simplify original accounting and documentation. I. Basmanov. Bukh. uch. 20 no. 2:18-21 F '63.

MINTS, LEV EFIMOVICH, 1893-

L. E. Mints' 70th birthday. Vest. stat. no. 3:86 '63.

MINTS see subdivision under Rome

MIRACLES

Lozefini, A. [Spiritism and the discrediting of "miracles." Translated from the Rumanian] Spirytizm i rozvinchania "chudes." Kyiv, T-vo dlia poshyrennia polit. i nauk. znan' URSR, 1962, 78 p. (Dlia vdumlyvoho dopytlyvoho)

MIRNY—DIAMONDS

Diamonds of the country of long-lasting nights. Nik. Koroteev. Rabotnitsa no. 1:6-7 Ja '63.

MIRNY STATION, ANTARCTICA—WINDS

Wind in free atmosphere and drainage wind at Mirny Station. L. A. Zhdanov. Meteor. i gidrol. no. 3:30-35 Mr '63.

MISCARRIAGE see Abortion

MITES AS CARRIERS OF DISEASE see subdivision under Moldavia

MITOCHONDRIA

Effect of temperature on the oxidative phosphorylation of mitochondria preparations of peas. O. A. Semikhaitova, T. M. Bushueva. Dokl. AN SSSR 148 no. 4:982-984 Ap '63.

Microscopic observations of the mitochondria in plant cells. L. V. Mozhayeva, G. M. Zhukova. Dokl. AN SSSR 148 no. 6:1415-1417 F '63.

MITRAL VALVE—DISEASES

Diagnosis of mitral stenosis. A. I. Terent'eva, L. I. A. Kolesnikova. Vop. pat. krovi i krovoobr. no. 6:89-93 '61.

MITSEVICH, KONSTANTIN MIKHAILOVICH, 1882-

1956
Spring freshness of words. E. Mozol'kov. Ogonek 40 no. 47:6 N '62.

MIXING

Mechanism of mass exchange between gas and liquid in a vessel with mechanical stirring. M. Kh. Kishinevskii, A. S. Armash, Zhur. prikl. khim. 36 no. 2:308-315 F '63.

Specific number of revolutions made by a mixer in a liquid-liquid system. I. S. Pavlushenko, L. N. Bragin'skii. Zhur. prikl. khim. 36 no. 2:322-328 F '63.

MIXING MACHINERY

Mechanical filling of clay mixers. P. I. Khil'man. Neftianik 7 no. 7:24 Ji '62.

- MODELS AND MODELMAKING**
General modeling. S. Khaustov, Prof., -tekh. obr. 20 no. 3:17 Mr '63.
- MODERN ART** see Art, Modern
- MODERN GEOMETRY** see Geometry, Modern
- MOSSBAUER EFFECT**
The Mössbauer effect and the theory of relativity. I. A. Smorodinskii. Usp. fiz. nauk 79 no. 4:569-594 Ap '63.
Mössbauer effect on Sn^{119} nuclei and an attempt to detect the effect on Pr^{141} [with summary in English]. V. A. Bukarev. Zhur. eksp. i teor. fiz. 44 no. 3:852-857 Mr '63.
- MOGILEV—DESCRIPTION**
[People of the Dnieper Valley] Liudzi Prydniproula; narysy. Minsk, Dzharzh, vyd-vo BSSR, Red. masava-palit. lit-ry, 1961. 269 p.
- MOGILEV PROVINCE—AGRICULTURE**
[People of the Dnieper Valley] Liudzi Prydniproula; narysy. Minsk, Dzharzh, vyd-vo BSSR, Red. masava-palit. lit-ry, 1961. 269 p.
- MOGILEV PROVINCE—FORAGE PLANTS**
Efficient organization of feed production is a potential for reducing the cost of livestock products. E. N. Krylatykh. Dokl. i soob. VNIISKH no. 13:145-153 '62.
- MOGILEV PROVINCE—INDUSTRIAL MANAGEMENT**
Measures dictated by life. F. Ivanov. Komm. Bel. no. 1: 23-27 Ja '63.
- MOGILEV PROVINCE—STOCK AND STOCKBREEDING—COSTS**
Efficient organization of feed production is a potential for reducing the cost of livestock products. E. N. Krylatykh. Dokl. i soob. VNIISKH no. 13:145-153 '62.
- MOHAMMEDAN WOMEN** see Women, Mohammedan
- MOHAMMEDANISM**
(see also subdivision under Yemen)
"Islam" by L. I. Klimovich. Reviewed by I. U. G. Petrash. Vop. filos. 17 no. 3:168-169 '63.
- MOHAMMEDANS IN RUSSIA**
Smirnov, N. A. ["Muridism" in the Caucasus] Muridizm na Kavkaze. Moskva, Izd-vo Akad. nauk SSSR, 1963. 241 p.
- MOISTURE**
Mechanism of moisture transfer in capillary-porous bodies. N. V. Churayev. Dokl. AN SSSR 148 no. 6: 1361-1364 F '63.
- MOISTURE OF SOILS** see Soil moisture
- MOKRYI INDOL—RESTAURANTS, LUNCHROOMS, ETC.**
The golden field. S. Makarov. Sov. potrebn. koop. 7 no. 4:10-13 Ap '63.
- MOKRYI INDOL VALLEY—COOKERY (VEGETABLES)**
The golden field. S. Makarov. Sov. potrebn. koop. 7 no. 4:10-13 Ap '63.
- MOLASSES**
Determining fermenting sugars in beet-sugar molasses. B. M. Nakhmanovich. Spirt. prom. 20 no. 2:29-31 '63.
- MOLDAVIA—AMPHIPODA**
Underground amphipods (Crustacea) of the Moldavian S. S. R. [with summary in English]. I. I. Dediu. Zool. zhur. 42 no. 2:208-215 '63.
- MOLDAVIA—BOTANY**
Some new and rare species in the flora of Moldavia. L. P. Nikolaeva. Izv. Mold. fil. AN SSSR no. 1:67-77 '61.
- MOLDAVIA—CANNING INDUSTRY**
"Efficiency of mechanization and automation in the Moldavian canning industry" by A. M. Oleinik. Reviewed by M. A. Moizhes. Kons. i ov. prom. 18 no. 4:38-40 Ap '63.
Provide the canning industry of the Moldavian S. S. R. with all types of containers. N. I. Usachev. Kons. i ov. prom. 18 no. 3:33-35 Mr '63.
- MOLDAVIA—CARROTS**
Time of sowing wild carrots in Moldavia. G. I. Meshcheryuk. Izv. Mold. fil. AN SSSR no. 1:13-12 '61.
- MOLDAVIA—CENSUS**
Russia (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Results of the 1959 all-Union population census; The Moldavian S. S. R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; Moldavskaiia SSR, Moskva, Gosstatizdat, 1962. 103 p.
- MOLDAVIA—CONTAINER INDUSTRY**
Provide the canning industry of the Moldavian S. S. R. with all types of containers. N. I. Usachev. Kons. i ov. prom. 18 no. 3:33-35 Mr '63.
- MOLDAVIA—FOREST ECOLOGY**
Dynamics of water content in the leaves of some herbaceous plants in the dry forests of pubescent oak. K. R. Vitko. Izv. Mold. fil. AN SSSR no. 1:53-66 '61.
- MOLDAVIA—FRUIT CULTURE**
Vaskan, G. K. [Soil management in orchards of Moldavia] Soderzhanie pochvy v sadakh Moldavii. Kishinev, Izd-vo sel'khoz. lit-ry, 1962. 38 p.
- MOLDAVIA—INDUSTRIAL ORGANIZATION**
Elifimov, A., and N. Dzhurinskii. [Specialization and cooperation in industry in the Moldavian S. S. R.] Spetsializatsiia i kooperatsiia v promyshlennosti Moldavskoi SSR. Pod red. A. G. Elifimova. Kishinev, Karlia moldoveniaske, 1962. 164 p.
- MOLDAVIA—LAVENDER (PLANT)**
Forms of lavender cultivated in Moldavia. M. V. Buhukli. Izv. Mold. fil. AN SSSR no. 1:23-52 '61.
- MOLDAVIA—MALLOW**
Biology of Virginia mallow (Sida hermaphrodita Rusby-Cum.). V. G. Nesterenko. Izv. Mold. fil. AN SSSR no. 1:13-22 '61.
- MOLDAVIA—MAPS**
"Atlas of the Ukrainian S. S. R. and the Moldavian S. S. R." Reviewed by H. Makarenko. Ekon. Rad. Ukr. no. 1:119-120 Ja-F '63.
- MOLDAVIA—MITES AS CARRIERS OF DISEASE**
Histopathological and laboratory diagnosis of rickettsiosis transmitted by gamasid mites (rickettsiosis D). I. R. Drobinetskii. Trudy Kish. gos. med. inst. 13:71-82 '60.
Results of the parenteral use of tetracyclines in rickettsial and other diseases. I. R. Drobinetskii, D. M. Kushnir. Trudy Kish. gos. med. inst. 13:59-69 '60.
- MOLDAVIA—OAK**
Dynamics of water content in the leaves of some herbaceous plants in the dry forests of pubescent oak. K. R. Vitko. Izv. Mold. fil. AN SSSR no. 1:53-66 '61.
- MOLDAVIA—PIONEERS (COMMUNIST YOUTH)**
Skifos, I., and I. U. Chernov, comps. [History of the Pioneer organization in Moldavia] Iz istorii pionerskoi organizatsii Moldavii. Kishinev, Karlia Moldoveniaske, 1962. 88 p. (Cst-II)
- MOLDAVIA—SHOE INDUSTRY**
Ways of reducing the labor requirements for auxiliary operations. N. I. Dzhurinskii. Kozh., obuv. prom. 5 no. 3:11-14 Mr '63.
- MOLDAVIA—SOIL CONSERVATION**
Vaskan, G. K. [Soil management in orchards of Moldavia] Soderzhanie pochvy v sadakh Moldavii. Kishinev, Izd-vo sel'khoz. lit-ry, 1962. 38 p.
- MOLDAVIA—TELECOMMUNICATION—EMPLOYEES**
Public inspection of safety engineering techniques and industrial hygiene. Vest. svyazi 23 no. 3:24 Mr '63.
- MOLDING (FOUNDING)**
Clamp for fixing the flasks to the molding machine table. V. A. Talovikov. Lit. proizv. no. 2:45 F '63.
Making ingot molds on conveyors. B. I. Vasil'ev, I. U. A. Lebedev. Lit. proizv. no. 2:40-41 F '63.
Multilayer coatings of metal molds. A. G. Kolesnichenko, M. A. Shapiro, M. M. Vyshemirskii. Lit. proizv. no. 5: 45 My '62.
Programmed control of the sand-slinger molding process. V. I. Loskutov. Lit. proizv. no. 2:11-12 F '63.
Thermodynamic analysis of the gaseous atmosphere in foundry molds. I. U. P. Vasin. Izv. vyz. ucheb. zav. i chern. met. 6 no. 2:133-138 '63.
- TSybryk, O. M.** [New molding materials; theoretical and experimental investigations in the field of molding materials and the manufacture of molds for steel and iron casting] Novi formuval'ni materialy; teoretichna i eksperymental'ni doslidzhennia v hluazi formuval'nykh materialiv i tekhnologii form dla stal'noho i chavunnoho lyta. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 125 p.
- MOLDS (BOTANY)**
Maltase activity of enzyme preparations of molds used for baking [with summary in English]. E. I. Vodenikova and others. Mikrobiologiya 31 no. 6:1087-1091 N-D '62.
- MOLECULAR ROTATION**
Rotational diffusion of molecules and scattering of light in fluids. Part 2. Molecules of the type of asymmetric and symmetric rotators. K. A. Valiev. Opt. i spektr. 13 no. 4:505-510 O '62.
- MOLECULAR SPECTRA**
Determination of the formation energy of a quasaromatic cycle with an H-bond from molecular infrared spectrum data. D. N. Shigorin, A. P. Skoldinov, T. S. Riabchikova. Dokl. AN SSSR 149 no. 2:341-344 Mr '63.
Determination of the isotopic composition based on the molecular emission spectra [with summary in English] A. G. Zhiginskii, A. S. Kochemirovskii. Vest. LGU 18 no. 4:47-54 '63.
- Emission spectra of rarefied molecular gases excited by a mixed beam of protons and hydrogen atoms [with summary in English]. G. N. Poliakova, I. A. M. Fogel', Ch'in Yu-mei. Astron. zhur. 49 no. 2:351-352 Mr. Ap '63.
General formula for overtone intensities and composite frequencies in infrared spectra of polyatomic molecules. L. A. Gribov. Opt. i spektr. 13 no. 4:504-507 O '62.
Symposium on molecular structure and spectroscopy. A. N. Terent'ev, M. M. Kuskov, M. A. El'iashevich. Vest. AN SSSR 33 no. 3:118-119 Mr '63.
- MOLECULES—VIBRATION**
Calculation of frequencies and forms of normal molecular vibrations using the perturbation method. B. I. Livshits. Dokl. AN SSSR 149 no. 2:305-307 Mr '63.
- MOLLUSKS** see subdivision under Sevan, Lake; Yakulia
- MOLLUSKS, FOSSIL**
(see also subdivision under Balkhan Range; Ukraine)
[Fundamentals of paleontology; reference book in 15 volumes for paleontologists and geologists of the U. S. S. R.] Osnovy paleontologii; spravochnik dlia paleontologov i geologov SSSR v platinadati tomakh. Glav. red. I. U. A. Orlov. Moskva, Izd-vo Akad. nauk SSSR. [Vol. 5] [Cephalopod mollusks I: Nautiloida, Endoceratoida, Actinoceratoida, Bactritoida, Ammonidea, Agoniatitida, Goniatitida, Clymenitida] Molluski - (potomno: I: nautiloidy, endoceratoidy, aktinoceratoidy, baktritoidy, ammonoidy, agoniatity, goniatity, klimenty) Otv. red. toma V. E. Ruzhentsev, 1962. 437 p.
- MOLTEN METALS** see Liquid metals
- MOLYBDATES**
Spectrophotometric titration of lead with molybdate in the ultraviolet [with summary in English]. K. H. Iatsimirskii, I. I. Alekseeva. Zhur. anal. khim. 17 no. 5:574-578 Ag '62.
Thermographic investigation of the systems consisting of potassium tetrarmolybdate - potassium carbonate and potassium tetratungstate - potassium carbonate. M. V. Mokhosov, I. M. Kuleshov, P. I. Fedorov. Zhur. neorg. khim. 7 no. 7:1620-1631 Ji '62.
- MOLYBDENUM COMPOUNDS**
On two types of molybdenum heteropolycomplexes. A. K. Babko, I. U. F. Shkaravskii. Zhur. neorg. khim. 8 no. 4:934-938 Ap '63.
Phosphorus-nitrogen-molybdenum complex. A. K. Babko, I. U. F. Shkaravskii. Zhur. neorg. khim. 7 no. 7:1655-1660 Ji '62.
- MOLYBDENUM ISOTOPES**
Stripping reactions on Mo^{97} and Te^{125} [with summary in English]. N. I. Zaka, I. E. Sanzhur. Zhur. eksp. i teor. fiz. 44 no. 3:823-824 Mr '63.
- MOLYBDENUM SULFIDES**
Use of molybdenum disulfide for lubricating thrust bearings and gate bearings of hydraulic turbines. S. A. Filippovich. Energomašinstroenie 9 no. 1:44-46 Ja '63.
- MOLYBDENUM-TITANIUM-ALUMINUM ALLOYS** see Titanium-molybdenum-aluminum alloys
- MOLYBDENUM-TITANIUM-CHROMIUM ALLOYS** see Titanium-chromium-molybdenum alloys
- MOLYBDOTHORIC ACID**
Synthesis of molybdothoric heteropoly acid. Z. I. Shakhova, S. A. Gavrilova, V. P. Zakharova. Zhur. neorg. 7 no. 7:1762-1763 Ji '62.
- MONEY**
Electrical section of a money changing automat. V. Egorov. Radio no. 4:41-43 Ap '63.
Methods for determining the volume of monetary movement. N. Berkov. Plan. khoz. 40 no. 4:53-58 Ap '63.
Trakhtenberg, I. A. [Monetary crises, 1821-1838] Denezhnye krizisy, 1821-1838 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 730 p.
- MONGOLIA—GEOLOGICAL TIME**
Age groups of intrusive rocks in Transbaikalia and eastern Mongolia based on geological data and the results of absolute age determination. V. A. Bobrov and others. Sov. geol. 8 no. 3:94-112 Mr '63.
- MONGOLIA—TECHNICAL EDUCATION**
Specialized secondary schools of the Mongolian People's Republic. R. L. Baldaev. Sred. spets. obr. 10 no. 3: 57-59 Mr '63.
- MONILASIS**
Candidosis of the oral cavity. A. M. Kaminskii. Probl. stom. 6:397-398 '62.
Potapova, S. N. [Paronychia and onychia due to yeast; Candida infection of the nail wall and the nail body] Drozhzhovaiia paronihia i onihia (kandidoz nogotovykh valikov i nogtevoi plastinki). Leningrad, Medgiz, 1962. 122 p. (Biblioteka prakticheskogo vracha) (DNL.M)

NATOMY

Characteristics of the paradenium in
A. F. Danilevskii, Probl. stom. 6:29-35

LABORATORY ANIMALS

Second life. M. Halushko, Ukraina no. 2:

see subdivision under Germany

ONITE

ions for identifying montmorillonite in
ays [with summary in English]. E. A. Shury-
vedenie no. 3:117-121 Mr '63.

ONITE—TESTING

classification of montmorillonite molding
ethod to investigate them. N. P. Kutyshov,
no. 2:47-48 F '63.

see subdivision under Novgorod

—PRESERVATION

of historical monuments in the U. S. S. R.,
ovich. Mat. i soob. Inst. ot. Inst. po izuch.
48-54 D '62.

moon. Part 2: Growth of the moon in the
astrial swarm of satellites [with summary
E. L. Ruskol, Astron. zhur. 40 no. 2:
-Ap '63.
about the moon. V. Sharonov, Av. i kosm.
33 Ap '63.

ACE

dition of the moon's surface layer during a
th summary in English]. V. D. Krotikov,
Astron. zhur. 40 no. 2:297-303 Mr-

RY OF

on (from "Current science," U. S. A.), IUN,
3:280 Mr '63.

subdivision under Troitsko-Pechorsk District

ATION

iko and our times: on the occasion of A. S.
s 75th birthday anniversary. N. P. Nezhni-
odag. 27 no. 3:113-120 Mr '63.

sko on the formation of moral values on the
his 75th birthday anniversary. A. V. Ple-
v. pedagog. 27 no. 3:103-112 Mr '63.

communist aspirations of students. N. G.
Sov. pedagog. 27 no. 3:70-87 Mr '63.

he communist attitude to work in rural
uates. M. G. Zagazev, Shkola i protzv.
-28 N '62.

tiatic image in moral education. A. Dem-
na vop. trud. no. 12:6-15 D '62.

ation. N. Veligotskii, Prof. -tekh. obr. 20
'63.

LITERATURE—BIBLIOGRAPHY see Bib-

Mordvinian literature

DISTRICT—COLLECTIVE FARMS—

ENT

P. [The time of great achievements]
shikh sversheni. [Tambov] Tambovskoe
i-vo, 1961. 25 p.

a plasticizer for construction mortars.
zhil. -kom. khoz. 13 no. 2:28-29 '63.

PLANES—MAINTENANCE AND REPAIR

repair shops. P. Dzhiba, Grazhd. av. 12
'65.

ATEUR MOTION PICTURES

conference of amateur motion-picture
ers. Tekh. kino i telev. 7 no. 3:95 Mr

ion-picture laboratory for the processing of
ms. V. A. Karlus, Tekh. kino i telev. 7
F '63.

ATEUR THEATRICALS

y miracle. A. Kerzhev, M. Shapiro, Kom-
no. 5:16-18 Mr '63.

ater. Nikolai Laman, Ogonek 41 no. 3:

3. A. Svobodin, Smena 40 no. 5:12-13
go.

IBU LANCE SERVICE

f special automobiles at medical first aid
Moscow. L. B. Shapiro, N. A. Romodn.
Feder. 7 no. 3:19-21 Mr '63.

THROPOLOGICAL RESEARCH

the Anthropological Institute and Museum
University in 1961. L. K. Karmanova.
no. 1:144-145 '62.

MOSCOW—APARTMENT HOUSES

In a year old house. E. Danilova. Smena 39 no. 19:1-3
O '62.

No. 15 Tchaikovsky Street; construction of a frame-and-
slab residential building fourteen stories high. L. An-
dreev. Stroi. i arkh. Mosk. 12 no. 2:28-30 F '63.

On a fundamentally new principle. V. Galitskii. Stroi. i
arkhit. Mosk. 12 no. 3:9-13 Mr '63.

Ways to improve completely precast construction.
M. Merklings, S. Raikhenberg. Stroi. i arkh. Mosk. 12
no. 2:13-16 F '63.

MOSCOW—APARTMENT HOUSES—DESIGN AND CON-

STRUCTION

Multistory buildings for Moscow. G. Fomin. Stroi. i
arkhit. Mosk. 12 no. 2:2-12 F '63.

MOSCOW—ARCHITECTURAL MUSEUMS

Moscow. Muzel arkhitektury. [Russian architecture;
Soviet architecture; a guidebook] Russkai arkhitektura.
Sovetskai arkhitektura; putevoditel', Moskva, Gos-
stroizdat, 1962. 165 p.

MOSCOW—ARCHIVES

Treasures of the Central State Archives of Literature
and Art. Irakli Andronikov. Nauka i zhizn' 20 no. 12:
56-63 D '62.

MOSCOW—ART—EXHIBITIONS

Always together with the people! S. Gerasimov.
Ikusstvo 26 no. 1:9-13 '63.

Artist and the times. I. U. Sergeev. Sov. Soluz. no. 1:26-
29 '63.

For an art understandable to the masses. Ogonek 40
no. 50:1 D '62.

MOSCOW—ART GALLERIES AND MUSEUMS

Excursion into the realm of beauty. L. Osipova. Ogonek
41 no. 2:16 Ja '63.

MOSCOW—ART INDUSTRIES, DAHOMEY—EXHIBITIONS

Art of Dahomey. Kul't. i zhizn' 5 no. 9:42-43 '62.

MOSCOW—AUTOMOBILES—MAINTENANCE AND

REPAIR

Automobiles as patients. I. Maikii. Ogonek 41 no. 7:
29 F '63.

MOSCOW—BON INDUSTRIES

Activities of "Mezhdunarodnaia Kaiga"; an interview
with S. V. Pankratov. Nov. vrem. 20 no. 14:23-24
Ap '63.

MOSCOW—BRIDGES—DESIGN AND CONSTRUCTION

The Avtozavodskii Bridge in Moscow. S. I. A. Tereshkin.
Transp. stroi. 13 no. 2:9-14 F '63.

MOSCOW—CHESS—TOURNAMENTS

Similarities and differences. M. Euwe. Ogonek 41
no. 11:11-12 Mr '63.

MOSCOW—CITY PLANNING

New residential area in the north of the capital; design
for the planning and development of Golyanovo. A. Ro-
chegov. Stroi. i arkh. Mosk. 12 no. 2:17-20 F '63.

Residential area of Vykhino. S. Vakhitangov, D. Il'ish.
Stroi. i arkh. Mosk. 11 no. 8:6-8 Ag '62.

Urgent tasks before the planners. Stroi. i arkh. Mosk.
11 no. 8:1-2 Ag '62.

MOSCOW—CLOCKMAKING AND WATCHMAKING

Clocks and watches. A. Bozhnin, O. Kuprin. Ogonek 41
no. 2:6-7 Ja '63.

Over-all mechanized working area. L. M. Sergeev.
Mashinostroitel' no. 2:8-9 F '63.

MOSCOW—COMMERCE—EXHIBITIONS

Studying demand at an exhibition. D. Tseitlin,
V. Shchenkov. Sov. torg. 36 no. 3:11-15 Mr '63.

MOSCOW—COMMUNIST EDUCATION

Reorganizing the work of propagandist seminars.
M. Dmitrenko. Polit. samobor. 7 no. 2:32-36 F '63.

MOSCOW—COMMUNIST PARTY OF THE SOVIET

UNION—PARTY WORK

Oral journal. V. Tomlin. Part. zhizn' no. 6:46-47 Mr
'63.

[Unity of the ideological and organizational work; from
the practice of the Moscow city party organization]
O edinстве ideologicheskoi i organizatorskoi raboty;
iz opyta raboty Moskovskoi gorodskoi partinnoi organi-
zatsii. [Moskva] Mosk. rabochii, 1962. 262 p.

MOSCOW—COMMUNITY CENTERS

"Voluntary participation renders an account," G. Krasov-
skii. Klub 12 no. 9:12 S '62.

MOSCOW—CONSERVATORIES OF MUSIC

Four stories of music. I. Vershtaina, D. Ukhomskii.
Ogonek 41 no. 12:28-30 Mr '63.

MOSCOW—CONSTRUCTION INDUSTRY

In the Executive Committee of the Moscow City Soviet
of Workers' Deputies. Stroi. i arkh. Mosk. 12 no. 3:
3 of cover Mr '63.

In the Executive Committee of the Moscow Soviet. Stroi.
i arkh. Mosk. 11 no. 8:36 Ag '62.

In the Executive Committee of the Moscow Soviet. Stroi.
i arkh. Mosk. 12 no. 2:3 of cover F '63.

On a fundamentally new principle. V. Galitskii. Stroi. i
arkhit. Mosk. 12 no. 3:9-13 Mr '63.

"Thirty-eight" is following. Smena 40 no. 1:11-12
Ja '63.

The word of Moscow's builders. Stroi. i arkh. Mosk.
12 no. 2:1 F '63.

MOSCOW—COST AND STANDARD OF LIVING

Semenov, K. [Ivan Ivanov and his family] Ivan Ivanov i
ego sen'ia. [Moskva] Mosk. rabochii, 1962. 84 p.

MOSCOW—COURTS

Our new methods of work. N. Iudin, A. Romanov. Sov.
just. no. 7:22-23 Ap '63.

MOSCOW—DISSERTATIONS, ACADEMIC

In the Academic Council of the Geographical Faculty
of Moscow University. N. A. Gvozdetkii, A. M. Riab-
chikov, I. G. Saushkin. Vest. Mosk. un. Ser. 5: Geog.
18 no. 2:72-73 Mr-Ap '63.

MOSCOW—ELECTRIC INDUSTRY WORKERS—EDUCA-

TION AND TRAINING

A word to the artists. O. Maksimov. Part. zhizn' no. 7:
58-59 Ap '63.

MOSCOW—ELECTRIC LAMPS

Kochukov, A. M. [Communist responsibility] Kom-
munisticheskaia obiazannost'. [Moskva] Mosk. rabochii,
1962. 53 p.

MOSCOW—ELECTRIC POWER DISTRIBUTION

Beautiful dreams. Mariia Volodina. Rabotnitsa 40
no. 6:2 of cover-2 Je '62.

MOSCOW—ENSEMBLES (MUSIC)

They performed in the Kremlin. T. Troitskaia. Ogonek
40 no. 47:5 N '62.

MOSCOW—EXHIBITIONS

At the Exhibition of the Achievements of the National
Economy of the U. S. S. R. N. Ivanov. Sel'. mekh. no. 8:
43-44 '62.

At the Polish Exhibition of Construction Equipment.
S. Savinov. Zhil. stroi. no. 2:30-32 '63.

Awarding of the participants of the Exhibition of Achieve-
ments of the National Economy of the U. S. S. R. M. A.
Borisov. Elek. sta. 34 no. 3:95 Mr '63.

Bold thinking and diligence are a guarantee of interesting
work in school. T. P. Komarnyts'kyi. Rad. shk. 41
no. 1:98-99 Ja '63.

Diplomas and medals awarded by the Exhibition of
Achievements of the National Economy for new motion-
picture equipment. Tekh. kino i telev. 7 no. 2:83-94
F '63.

Exhibition of the work of research institutes and design
offices of the State Committee of the Council of Minis-
ters of the U. S. S. R. on Automation and Machine
Manufacture. A. N. Voids. Trakt. i sel'. khozmash. 33
no. 1:48-p. 3 of cover Ja '63.

Let's get rid of these "oldsters." V. Pavlov. Ogonek 41
no. 2:23 Ja '63.

Seminar on compressor manufacture. Khel. tekh. 40
no. 1:72 Ja-F '63.

MOSCOW—FAIRS

Petrakov, I. A. K., and S. P. Mizikevich. [Fair in
Luzhniki] Tarmarka v Luzhniki. Moskva, Gostorg-
izdat, 1962. 45 p.

MOSCOW—FIRES AND FIRE PREVENTION—INSPEC-

TION

So there would be no fires. S. Farbrovich. Zhil. -kom.
khoz. 13 no. 3:26-27 Mr '63.

MOSCOW—FIREMEN

Fighting in the night. O. Volkov. Pozh. delo 9 no. 2:
20-21 F '63.

MOSCOW—FOUNDRIES—MANAGEMENT

In order to shorten the period of the seven-year plan.
A. Belov. Polit. samobor. 7 no. 2:88-92 F '63.

MOSCOW—GEOGRAPHICAL RESEARCH

Research work of the Geographical Faculty of Moscow
University in 1962. B. F. Kosov. Vest. Mosk. un. Ser.
5: Geog. 18 no. 2:70-72 Mr-Ap '63.

MOSCOW—HAIRDRESSING

Worries of a hairdresser. A. Gershtein. Zhil. -kom.
khoz. 13 no. 3:18 Mr '63.

MOSCOW—HELICOPTERS

Sun instead of signal light. V. Zhil'tsov. Smena 40
no. 8:28-29 Mr '63.

MOSCOW—HISTORICAL MUSEUMS

First in the world. Ogonek 40 no. 20:4 My '62.

MOSCOW—HOTELS, TAVERNS, ETC.

Hotel on Smolensk Square. M. Minkus. Stroi. i arkh. Mosk.
11 no. 8:29-32 Ag '62.

- MOSCOW—HOTELS, TAVERNS, ETC.—DESIGN AND CONSTRUCTION**
Hotel at No. 3 Gor'kii Street. V. Voskresenskii, A. Boltinov, T. Lachinova. Stroil. i arkhit. Mosk. 12 no. 3: 22-25 Mr '63.
- MOSCOW—HOUSEHOLD APPLIANCES, ELECTRIC—EXHIBITIONS**
Why don't they have luck? K. Kostin. Ogonek 41 no. 5: 22-23 Ja '63.
- MOSCOW—HOUSING**
One hundred and twenty windows are lighted with happiness. Viktor Levashov. Smena 39 no. 24:3-4 D '62.
- MOSCOW—HOUSING MANAGEMENT**
Without subsidies. A. Nemshovich. Zhil.-kom. khoz. 13 no. 2:13-14 '63.
- MOSCOW—INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION**
Some results of the construction of a new type of industrial building in Moscow. L. N. Lavretskii. Prom. stroi. 40 [i.e. 41] no. 4:6-8 Ap '63.
- MOSCOW—INDUSTRIAL MANAGEMENT—CONGRESSES**
Conference of Moscow economists. M. Laptin, A. Prutskii. Vop. ekon. no. 2:132-157 F '63.
- MOSCOW—INTELLECTUAL LIFE**
[Sketches of Moscow life] Ocherki Moskovskoi zhizni. [Moskva] Mosk. rabochii, 1962. 374 p.
- MOSCOW—JUVENILE DELINQUENCY**
A member of the Communist Youth League "left." Where did he go? I. A. Belopol'skii, E. Filat'ev. Komsom. zhizn' no. 7:25-26 Ap '63.
- MOSCOW—LABOR AND LABORING CLASSES**
In a year old house. E. Danilova. Smena 39 no. 19:1-3 O '62.
- MOSCOW—LAUNDRIES**
Responsibility for one's work. E. Anashkina. Zhil.-kom. khoz. 13 no. 1:20 '63.
- MOSCOW—LEATHER INDUSTRY**
Organization of production combines of the Shoe and Leather Industry Administration of the Moscow City Economic Council. P. I. Levenko, Kozh.-obuv. prom. 5 no. 3:4-8 Mr '63.
- MOSCOW—MACHINE-TOOL INDUSTRY**
A council which has not justified hope. A. Shmakova. NTO 5 no. 2:17-18 F '63.
- MOSCOW—MACHINERY INDUSTRY—ACCOUNTING**
Improve original documents. V. Pankratov. Bukhg. uchët 20 no. 3:26-30 Mr '63.
- MOSCOW—MANUFACTURES**
Is there any contact? V. V. Tikhomirov and others. Ogonek 40 no. 49:17-18 D '62.
- MOSCOW—MEDICAL CARE**
Everybody is invited. G. Khmeleva. Zdorov'e 0 no. 2: 22 F '63.
- MOSCOW—MEDICAL SOCIAL WORK**
Health room. T. Nikonova. Sov. Kras. krest 12 no. 5: 19-20 S-O '62.
Muscovite. E. Lagutina. Sov. Kras. krest 12 no. 5: 22-23 S-O '62.
- MOSCOW—MILLING MACHINES—TECHNOLOGICAL INNOVATIONS**
The best milling-machine operator at the Likhachev Automobile Plant. M. Ushakov, I. U. Stepanenko. Mashinostroitel' no. 2:5-6 F '63.
- MOSCOW—MINERAL OILS**
Let us fulfil the annual plan ahead of schedule. R. G. Gurevich. Neftianik 8 no. 1:19-20 Ja '63.
- MOSCOW—MOTORBUS DRIVERS**
Always on the road. Viktor Sakk. Smena 40 no. 5:28-29 Mr '63.
- MOSCOW—MUNICIPAL SERVICES**
A worker's conscience. D. Vasil'ev. Zhil.-kom. khoz. 13 no. 1:3, 9 '63.
- MOSCOW—MUSEUMS**
All the truth in the world. . . . A. Lazebnikov. Kul't.-pros. rab. 24 no. 1:5-7 Ja '63.
- MOSCOW—MUSIC—COMPETITIONS**
Musical forum. N. Verashinina, R. Likhach. Ogonek 40 no. 20:4-5 My '62.
- MOSCOW—NEWSPAPER AND PERIODICAL CIRCULATION**
Serious discussion of principles. Raspr. pech. no. 3: 15 Mr '63.
- MOSCOW—POLITICS AND GOVERNMENT**
[Bulletin of the Moscow Executive Committee] Blul. Ispol. kom. Mosk. gor. sov. no. 8 Mr '63.
- MOSCOW—PORT DISTRICTS—ACCOUNTING**
Mechanization of accounting in the Moscow Southern Harbor. A. Glebov. Bukhg. uchët 20 no. 3:46-49 Mr '63.
- MOSCOW—POSTAL SERVICE**
Creative initiative. S. G. Volkov, L. I. A. Iakovlev. Vest. svyazi 23 no. 3:30-32 Mr '63.
The house where continents meet. V. Rudim. Ogonek 41 no. 1:4-5 Ja '63.
- MOSCOW—PROFITTEERING**
From the biography of scoundrel. I. Shatunovskii. Ogonek 41 no. 4:28 Ja '63.
- MOSCOW—PUBLISHERS AND PUBLISHING**
Eight hundred titles. V. Pavlov. Sov. Soluz. no. 2:48-49 '63.
- MOSCOW—RADIOBROADCASTING**
Voices on the air. L. Birchanskaya. Ogonek 40 no. 20: 10-11 My '62.
- MOSCOW—RECREATION CENTERS**
Where to go in the evening? Smena 39 no. 24:20-22 D '62.
- MOSCOW—RESTAURANTS, LUNCHROOMS, ETC.**
Inviting lights of the "Cafeteria for the young." V. Ivanov. Komsom. zhizn' no. 13:21-24 J '62.
[Public food-serving establishments in Moscow] Oshcheshyemoe pitanie v Moskve; kratkii spravochnik. [Moskva] Mosk. rabochii, 1962. 66 p.
- MOSCOW—SHOE INDUSTRY**
Organization of production combines of the Shoe and Leather Industry Administration of the Moscow City Economic Council. P. I. Levenko, Kozh.-obuv. prom. 5 no. 3:4-8 Mr '63.
- MOSCOW—SILK MANUFACTURE**
"Cosmos" in Chermushki. I. U. Uhtin. Ogonek 41 no. 5:16 Ja '63.
Tomorrow begins here. M. Natal'in. Rabotnitsa no. 1: 16c, 17 Ja '63.
- MOSCOW—SOCIAL CONDITIONS**
Trifles? On, no! T. Ikina and others. Ogonek 41 no. 6: 10 F '63.
- MOSCOW—SPORTS**
Here they like sport. A. Pasukhina, V. L'vov. Zhil.-kom. khoz. 13 no. 1:22-23 '63.
- MOSCOW—STORES, RETAIL**
Shopping center on a newly created square. Stroil. i arkhit. Mosk. 12 no. 3:30-32 Mr '63.
- MOSCOW—STUDENTS, FOREIGN**
Let's struggle and triumph! Sov. Soluz. no. 4:53 '63.
- MOSCOW—SUBWAYS**
Cutting the tunnels of the Otkryt'skaya Station. N. F. Karasev. Transp. stroi. 13 no. 2:16-21 F '63.
What the cheerleaders of "Spartak" do not know. Viktor Sakk. Smena 40 no. 3:20-21 F '63.
- MOSCOW—TEACHERS, TRAINING OF**
Teachers of technical schools should have a knowledge of pedagogics. I. Bobylev. Sred. spets. obr. 10 no. 3: 18-21 Mr '63.
- MOSCOW—TECHNOLOGICAL INNOVATIONS**
Is it worth it to raise a hue and cry across the country? V. Pankin. Izobr. i rata. no. 1:22 '63.
Looking for a ram. V. I. Anov. Izobr. i rata. no. 1:21-22 '63.
- MOSCOW—TELECOMMUNICATION**
Creative initiative. S. G. Volkov, L. I. A. Iakovlev. Vest. svyazi 23 no. 3:30-32 Mr '63.
- MOSCOW—THEATER**
It belongs to 15 republics. Ogonek 40 no. 52:28-29 D '62.
Mutiny of women. I. Verashinina. Ogonek 40 no. 47:22-23 N '62.
Reality. D. Starikov. Ogonek 40 no. 50:27-28 D '62.
Wind of cultural exchange. M. Maretskaya, D. Shentakov-Dmitriev. Kul't. i zhizn' 6 no. 9:33-34 '62.
- MOSCOW—TUBERCULOSIS—PREVENTION**
Board of the Ministry of Public Health of the R.S.F.S.R. apropos the state of antituberculosis treatment for the population of Moscow. V. S. Tekunov, Zdrav. Ros. Feder. 7 no. 3:43-44 Mr '63.
- MOSCOW—TUNNELING**
Cutting the tunnels of the Otkryt'skaya Station. N. F. Karasev. Transp. stroi. 13 no. 2:16-21 F '63.
- MOSCOW—VENDING MACHINES—EXHIBITIONS**
Why don't they have luck? K. Kostin. Ogonek 41 no. 5: 22-23 Ja '63.
- MOSCOW—VOCATIONAL EDUCATION—EXHIBITIONS**
Let's expand the exhibition of progressive experience. D. I. Chuprunov. Sred. spets. obr. 10 no. 2:14-18 F '63.
- MOSCOW—WATER—DISTRIBUTION**
The success of the matter is decided here. D. Markov. Zhil.-kom. khoz. 13 no. 1:4-5 '63.
- MOSCOW BASIN—ROCK PRESSURE**
Studying rock pressure in mines of the Moscow Basin. V. I. Gaidukov, A. M. D'zhitein, M. S. Fel'mov. Fiz.-mat. svyazi, dav. i razr. gor. porod no. 1:61-65 '62.
- MOSCOW PROVINCE—AGRICULTURAL WAGES**
Karasev, A. K., and M. A. Mitrokhin. [Piecework-based wage system on a state farm] Akkordno-premialnaya oplata truda v sovkhooze. Moskva, Sel'khozizdat, 1962. 77 p.
- MOSCOW PROVINCE—AUXILIARY POLICE**
Simanchuk, I. S. [Maintainers of law and order] Khozhëva porladka. [Moskva] Mosk. rabochii, 1962. 66 p.
- MOSCOW PROVINCE—CORN (MAIZE)**
Effect of treating seeds with trace elements on the yield of corn on Podzolic soils in the Moscow region. F. A. Gorunova, I. I. Shal'dorov. Pov. plod. pochv. ustoychiv. zem. pol. no. 2:142-152 '62.
- MOSCOW PROVINCE—FIELD CROPS**
Economic basis of an efficient structure for planting cereals; using the example of the "Kamizakly" State Farm, Moscow Province. L. M. Furman and others. Dokl. i soob. VNIISKH no. 13:61-75 '62.
- MOSCOW PROVINCE—HOUSING MANAGEMENT**
Reflecting about the work of the house committees. . . . N. Dmitriev. Zhil.-kom. khoz. 13 no. 2:6-7 '63.
- MOSCOW PROVINCE—PASTURES AND MEADOWS**
Effect of various tillage methods on the physical properties of soils in dry valley pastures [with summary in English]. A. A. Zotov. Pochvovedenie no. 3:24-25 F '63.
- MOSCOW PROVINCE—PODZOL**
Effect of treating seeds with trace elements on the yield of corn on Podzolic soils in the Moscow region. F. A. Gorunova, I. I. Shal'dorov. Pov. plod. pochv. ustoychiv. zem. pol. no. 2:142-152 '62.
- MOSCOW PROVINCE—STATE FARMS**
Third stage. V. Kuz'min. NTO 5 no. 4:33-36 Ap '63.
- MOSCOW PROVINCE—VEGETABLE GARDENING**
Green stream. S. Ostrov. Sov. Soluz. no. 4:12-11 '63.
- MOSCOW PROVINCE—WAGES—CONSTRUCTION WORKERS**
The piecework wage system and awarding bonuses to workers in the construction industry. L. Khel'ten. Sots. trud 8 no. 3:62-66 Mr '63.
- MOSCOW REGION—CITY PLANNING**
Cities of the future are built today. I. U. Burjaev. Sov. Kras. krest 12 no. 6:4 S-O '62.
- MOSCOW REGION—INDUSTRIAL BUILDINGS**
A plant of the communist tomorrow is already in operation. P. Korop. Tekh. mol. 31 no. 1:5-6 '63.
- MOSCOW REGION—INSCRIPTIONS**
Materials for classifying 14th-17th century inscriptions on gravestones of Moscow and its vicinity. V. I. Gerasimov. Num. i oplg. 3:212-247 '62.
- MOSCOW REGION—SEPULCHRAL MONUMENTS**
Materials for classifying 14th-17th century inscriptions on gravestones of Moscow and its vicinity. V. I. Gerasimov. Num. i oplg. 3:212-247 '62.
- MOSCOW REGION—SNOW**
Thermophysical properties and thermal balance of the snow cover in the Moscow region. A. V. Pavlov. Mat. k uch. o merz. zon. zem. kory no. 8:3-35 '62.
- MOSQUITOES** see subdivision under Gotochaya Steppe
- MOTION**
Critical case of a pair of purely imaginary roots for systems with residual effect (special case). B. K. Shimanov. Sib. mat. zhur. 4 no. 2:457-470 Mr-Apr '63.
Karacharov, K. A., and A. G. Piliatik. [Introduction to the technical theory of the stability of motion] Vvedenie v tekhnicheskuyu teoriyu ustoychivosti dvizheniya. Moskva, Fizmatgiz, 1962. 243 p.
- MOTION-PICTURE CAMERAS**
Design shortcomings of the 16-SP motion-picture camera. Tekh. kino i telev. 7 no. 3:75 Mr '63.
The "Ekran" 8 mm motion-picture camera. R. M. Gerasimov, A. A. Usachev. Tekh. kino i telev. 7 no. 3:73-74 Mr '63.
- MOTION-PICTURE CARTOONS**
In the "Soluzmufilm" Studio. I. A. I. Itehaev. Tekh. kino i telev. 7 no. 3:1-8 Mr '63.
- MOTION-PICTURE PHOTOGRAPHY—ABSTRACTS**
Filming and projection of motion pictures. Tekh. kino i telev. 7 no. 3:80-82 Mr '63.
Motion-picture film and its photographic processing. Tekh. kino i telev. 7 no. 3:87-88 Mr '63.
- MOTION-PICTURE PHOTOGRAPHY—BIBLIOGRAPHY**
see Bibliography—Motion-picture photography

MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] *Ref. zhur.* : Fotokinetekh. no. 4 Ap '63.

Using control systems with discrete action for the automatic regulation of technological processes in motion-picture photography (with summary in English on p. 96). M. B. Khalameizer, I. A. Murei. Tekh. kino i telev. 7 no. 2:27-36 F '63.

MOTION-PICTURE PHOTOGRAPHY—FILMS

Determining the footage of films on a spool without the use of the footage counter. E. A. Sallenko. Tekh. kino i telev. 7 no. 2:70-71 F '63.

MOTION-PICTURE PHOTOGRAPHY—FILMS—BIBLIOGRAPHY see Bibliography—Motion-picture photography—Films

MOTION-PICTURE PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Methods for the application of high-frequency cinematography for studying the vertical vibrations and changes of the rotation speed of automobile driving wheels. L. I. Korotkov. Zhur. nauch. i prikl. fot. i kin. 8 no. 2: 123-128 Mr -Ap '63.

Sixteenth Congress of the International Scientific Film Association. Tekh. kino i telev. 7 no. 3:93-94 Mr '63.

MOTION-PICTURE PLAYS

Films encircle the globe like meridians. K. Tepitskii. Sov. Ukr. 12 no. 11:134-144 N '62.

Sobolev, R. P., and L. B. Furikov. [Man has come into motion pictures; notes of journalists] Chelovek prishel v kino; zametki zhurnalistsov. Moskva, Gospolizdat, 1963. 77 p. (Populiarnaya biblioteka po estetike)

MOTION-PICTURE PROJECTION

Concerning S. M. Provornov's review of G. I. Irskii's book "Lighting engineering in motion-picture projection." G. I. Irskii, S. M. Provornov. Tekh. kino i telev. 7 no. 3:90-91 Mr '63.

Geometrical distortion of the screen image seen from various spectator seats (with summary in English on p. 96). M. R. Savchenko. Tekh. kino i telev. 7 no. 2: 48-57 F '63.

One of all, all for one. V. Golubeva. Kul't.-pros. rab. 24 no. 1:11-13 Ja '63.

MOTION-PICTURE PROJECTION—ABSTRACTS

Filming and projection of motion pictures. Tekh. kino i telev. 7 no. 3:80-82 Mr '63.

MOTION-PICTURE PROJECTION—BIBLIOGRAPHY see Bibliography—Motion-picture projection

MOTION-PICTURE PROJECTORS

Projection carbons (with summary in English on p. 96). T. V. Derbisher. Tekh. kino i telev. 7 no. 3:76-79 Mr '63.

Technical indices of interlocking and three-link speed stabilizers in motion-picture projectors (with summary in English on p. 96). A. V. Solomonik. Tekh. kino i telev. 7 no. 3:15-23 Mr '63.

MOTION-PICTURE STUDIOS see subdivision under Kiev

MOTION-PICTURE STUDIOS—EQUIPMENT AND SUPPLIES

Use of densitometers for measuring the increased densities of sound tracks. E. V. Ksandrova, B. P. Cherniavskii. Tekh. kino i telev. 7 no. 3:70-71 Mr '63.

MOTION-PICTURE THEATERS

"Friendship." V. Petrova. Kul't.-pros. rab. 24 no. 1: 49-51 Ja '63.

Mobile motion-picture theater with 80 seats. Tekh. kino i telev. 7 no. 2:95 F '63.

Mobile wide-screen motion-picture theater platform. Tekh. kino i telev. 7 no. 2:95 F '63.

MOTION-PICTURE THEATERS—DESIGN AND CONSTRUCTION see subdivision under Leningrad

MOTION-PICTURE THEATERS—ELECTRONIC SOUND CONTROL

Improving the sound reproduction in motion-picture theaters (with summary in English on p. 96). A. N. Kacherovich. Tekh. kino i telev. 7 no. 3:24-20 Mr '63.

MOTION PICTURES

Alesha buys a father. Il'ia Froz. Ogonek 40 no. 47: 30-31 N '62.

Art. N. Pavlova, N. Genina, I. Bocharnikov. Ogonek 41 no. 11:15 Mr '63.

Birth of a motion picture. L. Osipova. Ogonek 40 no. 20:25 My '62.

Image sharpness and angular dimensions of the screen in various motion-picture systems (with summary in English on p. 96). Tekh. kino i telev. 7 no. 3:9-14 Mr '63.

Motion-picture art abroad. N. Genina. Ogonek 41 no. 6: 30-31 F '63.

"Principles of wide-film motion pictures" by E. M. Goldovskii. Reviewed by B. T. Ivanov. Tekh. kino i telev. 7 no. 2:90-92 F '63.

Sadoul, Georges. [General history of motion pictures. Translated from the French] Vseobshchaya istoriya kino. Pod obshchei red. S. I. Iukhevicha. Moskva, Iskusstvo, Vol. 3. [Motion pictures become an art] Kino stanovitsia iskusstvom, 1914-1920, 1961. [n. p.] (MD)

MOTION PICTURES—EQUIPMENT AND SUPPLIES

Diplomas and medals awarded by the Exhibition of Achievements of the National Economy for new motion-picture equipment. Tekh. kino i telev. 7 no. 2:93-94 F '63.

MOTION PICTURES—MORAL AND RELIGIOUS ASPECTS (see also subdivision under Czechoslovakia)

"Flowers on stone." D. Krasnov. Voiv. ateist 3 no. 3: 53-54 Mr '63.

MOTION PICTURES—PRODUCTION AND DIRECTION

"Motion-picture production" by B. N. Konoplev. Reviewed by V. Tolmachev. Tekh. kino i telev. 7 no. 3:89-90 Mr '63.

With a photographic apparatus across the motion-picture city. M. Murazov. Smena 40 no. 6:14-15 Mr '63.

MOTION PICTURES, ANTIRELIGIOUS

Antireligious motion pictures. Voiv. ateist 3 no. 3: 55-56 Mr '63.

The way to reason and sense. Nauka i rel. 4 no. 3:3-7 Mr '63.

MOTION PICTURES, DOCUMENTARY

Document of great courage. K. Tania. Ogonek 41 no. 7:3 F '63.

She did not know fear. K. Grigor'ev. Sov. Kras. krest 12 no. 5:9-10 S-O '62.

Wick. K. Obolenskii. Ogonek 41 no. 7:30-31 F '63.

MOTION PICTURES, THREE-DIMENSIONAL

Characteristics of the integral stereoscopic motion picture filming and projection. S. P. Ivanov, L. V. Akinakina. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:92-97 Mr -Ap '63.

MOTION PICTURES AND CHILDREN

"Children, motion pictures and television" by A. S. Strovaya. Reviewed by M. Velfer. Sem'ia i shkola 18 no. 3: 34 Mr '63.

MOTION PICTURES IN EDUCATION

Dispute over educational motion pictures. B. Kh. Telli. Sov. pedagog. 27 no. 3:63-70 Mr '63.

Motion pictures as a reliable aid. A. G. Shevelev and others. Vest. vys. shkoly 21 no. 4:83-88 Ap '63.

New educational motion picture. Vest. vys. shkoly 21 no. 4:96 Ap '63.

MOTION PICTURES IN PROPAGANDA

Efficient propaganda. A. Skvortsov. Pozh. delo 6 no. 2:7-8 F '63.

MOTOR SLEDGES

High-speed snow sledges. I. Iuvonai'ev. Izobr. i rats. no. 9:37-38 S '62.

MOTOR VEHICLES—BIBLIOGRAPHY see Bibliography—Motor vehicles

MOTOR VEHICLES—BODIES

Selection and efficient use of sheet steel in the manufacture of bodies. G. D. Rogozin. Avt. prom. 29 no. 3:39-41 Mr '63.

MOTOR VEHICLES—COLD WEATHER OPERATION

Loevylo, G. S., and N. V. Semenov. [Means for easing the starting of motor-vehicle carburetor engines at low temperatures] Sposoby oblegcheniya puskav avtomobil'nykh karburatornykh dvigatel'ei pri nizkikh temperaturakh. Izd. 2., perer. i dop. Moskva, Aviotransizdat, 1962. 31 p.

MOTOR VEHICLES—DESIGN AND CONSTRUCTION

"Unyi Sibirsk-62" automobile. M. Larkin. Iun. tekhn. 7 no. 3:37-38 Mr '63.

Tomushev, M. M. [Design of a motor vehicle] Ustroistvo avtomobil'ov, Moskva, Mashgiz, 1962. 383 p.

MOTOR VEHICLES—DYNAMICS

Calculating the speeding-up of a motor vehicle having a hydro-mechanical transmission. K. I. Sytin. Avt. prom. 29 no. 3:20-23 Mr '63.

MOTOR VEHICLES—ENGINES

Unified relative speed external and partial characteristics of carburetor four-stroke engines. R. P. Lakhno. Avt. prom. 29 no. 3:7-10 Mr '63.

MOTOR VEHICLES—ENGINES—COOLING

Cavitation in the cooling system of a motor-vehicle engine. S. M. Podolskii. Avt. prom. 28 no. 8:12-14 Ag '62.

MOTOR VEHICLES—ENGINES—CYLINDERS

Investigating thermal stresses in parts of the cylinder piston group of the M-21 engine. B. A. Vzorov. Avt. prom. 29 no. 3:3-7 Mr '63.

MOTOR VEHICLES—MAINTENANCE AND REPAIR

GARO, trust, Moscow. [Garage and repair equipment; catalog-handbook] Garazhnoe i remontnoe oborudovanie; katalog-spravochnik. Moskva, Aviotransizdat, 1962. 278 p.

Pozdnov, M. L. [Using plastic and synthetic materials for repairing timber skidding tractors and logging motor vehicles] Primenenie plasticheskikh mass i sinteticheskikh materialov pri remonte trelevochnykh traktorov i lesovoznykh avtomobilei. Moskva, Goslesbuntizdat, 1962. 122 p.

MOTOR VEHICLES—NOISE

Seminar on the reduction of motor-vehicle noise. A. G. Zubakin, V. E. Tol'skii. Avt. prom. 29 no. 3:45 Mr '63.

MOTOR VEHICLES—TRANSMISSION DEVICES

Investigating a differential with liquid friction. N. A. Bukharin, A. A. Malukov. Avt. prom. 29 no. 3:18-20 Mr '63.

Stand for testing steel surfaces in the pinion-shaft pair of a motor-vehicle gearbox. I. K. Ezenovskii-Lashkov, E. I. Lebedev. Avt. prom. 28 no. 8:32-33 Ag '62.

Testing experimental specimens of the IANZ gearboxes. I. T. Vorob'ev, V. M. Malyshev. Avt. prom. 28 no. 8: 28-29 Ag '62.

MOTOR VEHICLES—WHEELS

Effect of the angles of wheel camber on the location of banking center. V. N. Ishchenko. Avt. prom. 28 no. 8:14-18 Ag '62.

MOTOREBUS DRIVERS see subdivision under Moscow

MOTOREBUSES

Electropneumatic drive for door-control equipment of the LAZ-695B urban bus. K. M. Atoian, I. A. N. Kaminskii. Avt. prom. 28 no. 8:27-28 Ag '62.

"Volga's" younger brother. H. Polishchuk. Ukraina no. 2:18 Ja '63.

MOTOREBUSES—MAINTENANCE AND REPAIR

Some means for prolonging the life of motobuses. G. A. Malyshev. Avt. prom. 28 no. 8:29-31 Ag '62.

MOTOREBUSES—SPRINGS

Investigating suspensions of the LAZ motobus. R. A. Akopian. Avt. prom. 29 no. 3:10-14 Mr '63.

MOTORSHIPS

Motorships of the type "Beloretsk." I. S. Titin. Blul. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5: 28-36 '62.

River-going catamaran-motorship freighter. N. S. Galoshov. Sudostroenie 20 no. 1:10-12 Ja '63.

MOTORSHIPS—TECHNOLOGICAL INNOVATIONS

Efficiency promoters of the motorship "Lesozavodsk." G. B. Androsov, V. K. Frolov. Blul. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:39-49 '62.

MOTORTRUCKS

(see also subdivision under Czechoslovakia; Minsk)

In place of a truck body, a dismountable platform. O. V. Kalinin. Stroil. i arkh. Len. 24 no. 1:38 Ja '62.

Use of self-loading motor trucks. A. A. Udovenko. Trudy NPI 131:105-107 '62.

MOTORTRUCKS—AXLES

Efficient drive for the medium and rear-most axles of the 6x8 motor truck. N. V. Divakov, I. A. Levin. Avt. prom. 28 no. 8:18-21 Ag '62.

New technological process for the heat treatment of driven gears in rear axles of the new GAZ-51 motor truck. E. I. Natanzon. Avt. prom. 28 no. 8:40-44 Ag '62.

MOTORTRUCKS—ENGINES

Start characteristics of the ZIL-130 engine. A. N. Moisechik. Avt. prom. 28 no. 9:7-10 Ag '62.

MOTORTRUCKS—ENGINES—VALVES

Investigating the movement of the ZIL-111 engine valves. I. U. A. Kogan. Avt. prom. 28 no. 8:10-11 Ag '62.

MOTORTRUCKS—WHEELS

Efficient design of disk wheel fastenings for motor trucks. I. V. Balabin, V. A. Putin. Avt. prom. 29 no. 3:24-27 Mr '63.

MOUNTAINEERING see subdivision under Caucasus

MOUTH—DISEASES

Candidoses of the oral cavity. A. M. Kaminskii. Probl. stom. 6:397-398 '62.

Characteristics of the state of the oral cavity in old persons. G. D. Ovrutskii. Probl. stom. 6:381-385 '62.

Hospitalization in diseases of the oral cavity and the teeth. N. V. Maslenkova. Probl. stom. 6:364-368 '62.

MOVEMENT, PSYCHOLOGY OF

Correlational dependence between maximal speed indicators in voluntary movements. Report no. 1: Correlation in the absence of special training in one or both investigated movements. V. M. Zatsiorskii, Dokl. APN 6 no. 6:109-112 '62.
Development of coordinated hand and leg movements in elementary school children during physical education classes. A. I. Kozlov, Dokl. APN 6 no. 6:105-108 '62.

MOWING MACHINES

Calculating the elastic elements of the drive of a mower. I. M. Zeltserman, E. G. Belianin, Trakt. i sel'khoz-mash. 33 no. 2:31-34 F '63.

MOZHAYSK RESERVOIR—FRESHWATER BIOLOGY

Moscow, Universitet, Biologo-pochvennyi fakul'tet. [Ucha and Mozhaysk Reservoirs; hydrobiological and ichthyological studies] Uchinskoe i Mozhayskoe vodokhranilishcha; gidrobiologicheskie i ikhtologicheskie issledovaniia. [Moskva] Izd-vo Mosk. univ., 1963. 422 p.

MUCHKAP DISTRICT—AGRICULTURE—AUDIO-VISUAL AIDS

Tarusov, V. L. [Our experience with visual propaganda] Nash opyt nagladnoi agitatsii. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 27 p. (Biblioteka kommunista)

MUD-SCOWS see Scows

MUNICIPAL ENGINEERING

From the pages of Soviet and foreign magazines. Zhil.-kom. khoz. 13 no. 1:28 '63.

MUNICIPAL ENGINEERING—EQUIPMENT AND SUPPLIES

Introduction of improved transport and sanitary engineering machines will save millions of rubles. V. Marchenko. Zhil.-kom. khoz. 13 no. 1:12-13 '63.

MUNICIPAL OFFICIALS AND EMPLOYEES

Communal housing and services need trained workers. Zhil.-kom. khoz. 13 no. 3:1-2 Mr '63.

MUNICIPAL SERVICES

(see also subdivision under Bashkiria; Moscow; Ulyanovsk)

Along with the designer, an economist. L. Gol'tsman, Zhil.-kom. khoz. 13 no. 2:20-21 '63.

Distribute prizes accurately. D. Reingard, Zhil.-kom. khoz. 13 no. 2:20 '63.

A kind smile and a good mood. IU. Krutogorov, Zhil.-kom. khoz. 13 no. 2:26-27 '63.

Make wider use of electronic computing techniques. K. Basurmanov, Zhil.-kom. khoz. 13 no. 2:15-16 '63.

They worked well. Zhil.-kom. khoz. 13 no. 3:4 Mr '63.

This was discussed at the plenum of the central committee of the trade union. Zhil.-kom. khoz. 13 no. 3:3 Mr '63.

Toward new successes. S. Butusov, Zhil.-kom. khoz. 13 no. 2:1-2 '63.

MUNICIPAL SERVICES—PERIODICALS

From the pages of Soviet and foreign periodicals. Zhil.-kom. khoz. 13 no. 3:31 Mr '63.

Publishing House of the Ministry of Municipal Economy of the R.S.F.S.R. in 1963. N. Zavitkin, Zhil.-kom. khoz. 13 no. 2:21 '63.

MUNICIPAL SERVICES—TECHNOLOGICAL INNOVATIONS

On the road of technical progress. V. Aleksandrov, Zhil.-kom. khoz. 13 no. 2:24 '63.

MURADEL, VANO, 1908-

Sezhen'skii, K. K. Vano Muradeli. Moskva, Sovetskii kompozitor, 1962. 80 p.

MURAL PAINTING AND DECORATION

(see also subdivision under Penderzhikent)

Activities of the Laboratory for Restoration of Wall Paintings. O. F. Pilushch. Soob. VTSNILKR no. 1:43-47 '60.

Application of synthetic resins in restoring monumental paintings and other items for museum display. E. G. Sheinina. Soob. VTSNILKR no. 1:62-74 '60.

MURDER

Four years later. A. Kliger. Sots. zakon. 39 no. 10:82-84 O '62.

We should impose severe penalty for premeditated murder according to Article 103 of the criminal code of the R.S.F.S.R. B. Mikhailov. Sov. iust. no. 7:28 Ap '63.

MURGAB OASIS—SOLONCHAK SOILS

Secondary Solonchak soils in oasis of ancient irrigation [with summary in English]. N. G. Minashina. Pochvo-vedenie no. 3:36-50 Mr '63.

MUSCLE

Content of lithium, sodium, potassium, rubidium and caesium in the muscles of marine animals of the Barents and Black Seas. I. V. Burovina and others. Dokl. AN SSSR 149 no. 2:413-415 Mr '63.

Free and bound phosphorus in skeletal muscles of a frog. L. N. Pysareva. TSitologiya 4 no. 3:343-347 My-Je '62.

Free nucleotides in the leg and sternal muscles of chickens. V. I. Zhivkov. Dokl. AN SSSR 149 no. 2:453-455 Mr '63.

Survival of isolated skeletal muscles of a frog in potassium chloride solutions under the influence of stretching. L. Sh. Ganelina. TSitologiya 4 no. 3:339-342 My-Je '62.

MUSEUMS see subdivision under Moscow; Tallinn; see also Art Galleries and Museums under Moscow

MUSHROOMS, EDIBLE see subdivision under Gorkiy Province

MUSIC

Man enters into music. L. Malinovskaya, Kul't.-pros. rab. 24 no. 1:20-23 Ja '63.

MUSIC—ANALYSE, APPRECIATION

"I'll sing to you about rain..." A. Volnova. Sem'ia i shkola 18 no. 3:24-25 Mr '63.

MUSIC—BIBLIOGRAPHY see Bibliography—Music

MUSIC—COMPETITIONS see subdivision under Moscow

MUSIC—HISTORY AND CRITICISM

Notes on modern music. Gindzi Iamanc. Kul't. i zhizn' 6 no. 12:30-31 '62.

MUSIC—INSTRUCTION AND STUDY

Teach music to the village children. Gorgen Karapettian. Kul't.-pros. rab. 24 no. 3:32-37 Mr '63.

MUSIC—PHILOSOPHY AND AESTHETICS

Forming aesthetic taste; an interview with D. B. Kabalevskii, the composer. Sov. pech. no. 2:37-39 F '63.

MUSIC AND SOCIETY

Land of music. Matilav Rostropovich. Sov. Soluz no. 4:48-49 '63.

MUSIC CALENDARS

"Soviet composer." Reviewed by I. Muller. Sem'ia i shkola 18 no. 3:33 Mr '63.

MUSIC LIBRARIES

The music room. A. Maslova, L. Pashkova. Bibliotekar' no. 3:51-53 Mr '63.

MUSIC THERAPY

Listening to the music. S. N. Raava. Zdorov'e 9 no. 2:25 F '63.

MUSICAL FORM

Sposobn. I. V. [Musical form] Muzykal'naya forma; uchebno-obshechego kursa analiza. 3., Izd. Moskva, Muzgiz, 1962. 399 p.

Tiulin, IU. N. [Structure of musical speech] Stroenie muzykal'noi rechi. Leningrad, Muzgiz, 1962. 207 p. (V pomoshch' pedagogu muzykantu)

MUSICIANS—CORRESPONDENCE, REMINISCENCES, ETC.

Bekman-Sheherbina, E. A. [My reminiscences] Moi vospominaniia. Moskva, Muzgiz, 1962. 127 p.

MUSICIANS, ENGLISH

English evenings in the U.S.S.R. Sov. Soluz no. 4:56 '63.

MUTATION (BIOLOGY) see Variation (Biology)

MUTINY see subdivision under Brazil

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Aid extended by the Mutual Economic Assistance Council to underdeveloped countries. Mezhdunar. zhizn' 10 no. 4:142-146 Ap '63.

Coordination of the economic planning of the socialist countries. IU. Pekshev. Polit. samootbr. 7 no. 2:14-22 F '63.

Development of the world socialist economy. M. Os'mova. Vop. ekon. no. 2:131-139 F '63.

International aspect of Hungary; an interview with Professor Jozsef Bognar. Nov. vrem. 20 no. 14:6-7 Ap '63.

Manasov, M. A. [Friendship and cooperation of the peoples of the communist countries is a great power in the building of communism] Druzha i sotrudnichestvo narodov stran sotsializma - velikaia sila v bor'bu za kommunizm. Moskva, Izd-vo "Znanie," 1962. 39 p. (V pomoshch' lektoru)

[MICROFILM]

The Mutual Economic Assistance Council at the present stage. M. Senin. Mir. ekon. i mezhdunar. otn. no. 3:3-12 '63.

MYCOBACTERIUM

Relation of methane- and propane-oxidizing bacteria to different nitrogen sources [with summary in English]. Z. S. Smirnova. Mikrobiologiya 31 no. 6:980-983 N-D '62.

MYCOBES

Ambulant treatment of patients with fungus diseases. E. N. Cherniak, P. G. Shabashkevich. Zdrav. Tur'k. 7 no. 1:36-37 Ja '63.

Microsporiosis in adults. Sov. zdrav. Kir. no. 1:57-58 Ja-F '63.

MYONEURAL JUNCTION

Miniature potentials of the end plate and their role in neuromuscular transmission. I. M. Chugoleva, E. A. Liberman. Usp. sov. biol. 55 no. 1:60-86 Ja-F '61.

MYOPIA

Dashevskii, A. I. [Nearsightedness] Blizorukost'. Leningrad, Medgiz, 1962. 147 p. (Biblioteka prakticheskogo vracha) (DNLM)

MYTSHCHIN—PLASTICS INDUSTRY

Masters of synthetic wonders. K. Vysokov. Sincis 42 no. 6:4-5 Mr '63.
Second birth. M. Lavrik. Ogorek 40 no. 52:21-23 D '62.

MYXOMYCETES

Development of slime fungi and some problems of experimental embryology. L. V. Helanov, L. H. Veevolodov, V. A. Goltchenkov. Usp. sov. biol. 55 no. 1:109-117 Ja-F '63.

NAHUAS

"Philosophy of the Nahuas" by Miguel Leon-Portilla. Reviewed by A. Mukarov. Kul't. i zhizn' 6 no. 12:32-33 '62.

NAILS (ANATOMY)—DISEASES

Potapova, S. N. [Paronychia and onychia due to yeast; Candida infection of the nail wall and the nail body] Drozhzhevala paronikhia i onikhia (kandidoz nogtevykh valikov i nogtevoi plastyhki). Leningrad, Medgiz, 1962. 122 p. (Biblioteka prakticheskogo vracha) (DNLM)

NAKHICHEVAN A.S.S.R.—CLAY

Radioactive elements in argillaceous rocks of the Samut deposit. N. D. Zulfugarly, A. S. Gaidarov, A. N. Nuriev. Azerb. khim. zhur. no. 2:110-122 '62.

NAMES, GEOGRAPHICAL

(see also subdivision under Arctic regions; Dniepr Basin; Ukraine)

Toponymic conference. E. M. Pospelov. Geod. i kart. no. 2:76-78 F '63.

Transcribing geographic names. A. M. Bakarev. Geod. i kart. no. 2:50-59 F '63.

NAMES, GEOGRAPHICAL—CONGRESSES

Interuniversity conferences on methods. V. D. Belokhaia. Vest. vya. shkoly 21 no. 4:40-41 Ap '63.

NAMES, UKRAINIAN—CONGRESSES

Second republic-wide conference on onomastics. Ukr. movn. v shkoli 13 no. 1:92-94 Ja-F '63.

NANSEN, FRIDTJOF, 1861-1930

Fridtjof Nansen in Armenia [in Armenian with summary in Russian]. G. V. Shirvanm. Int.-filol. zhur. no. 1:105-210 '63.

NAPHTHALENE

Increasing naphthalene yield in the processing of coal tar and obtaining crystalline naphthalene. M. K. Paster, A. S. Osharet, D. P. Dubrovskaya. Koks i khim. no. 3:41-44 '63.

Investigating the composition of decalin obtained by the hydrogenation of naphthalene in the presence of sulfur-resistant catalysts. I. E. Drabkin and others. Koks i khim. no. 3:48-50 '63.

Using the gas-liquid chromatography method for studying the various types of naphthalene. K. M. Valberg and others. Koks i khim. no. 3:44-47 '63.

NAPHTHALENE CRYSTALS—SPECTRA

Shapes of the main absorption bands for naphthalene crystals at 20°-200°K. A. F. Prikhod'ko, M. S. Sapozh. Opt. i spektr. 13 no. 4:522-531 O '62.

NAPHTHALENESULFONIC ACID

Thiosulfonic acids. Part 8: Alkyl esters of thiosulfonic acids, derivatives of naphthalene and phenanthrene. B. G. Boldyrev, L. N. Iushkevich. Zhur. ob. khim. 13 no. 3:669-673 Mr '63.

NAPHTHOL

Reactions of aromatic nitro compounds. Part 15: Esterification of alkyl esters of nitronaphthols. S. S. Gitis, A. I. Glaz. Zhur. ob. khim. 33 no. 3:662-664 Mr '63.

NARYN RIVER—ICE ON RIVERS, LAKES, ETC.

Formation and flow of frazil ice in mountain rivers. A. N. Chizhov. Trudy GGI no. 63:3-23 '62.

NATIONAL PARKS AND RESERVES see subdivision under Ukraine

NATIONALITIES

Burmistrova, T. IU. [The nationalities policy of the Bolshevik Party during the first Russian revolution, 1905-1907] Natsional'naya politika partii bol'shevikov v pervoi russkoi revoliutsii, 1905-1907 gody. [Leningrad] Izd-vo Leningrad. univ., 1962. 242 p.

NATIONALITIES (Continued)

Effective consolidation of the Union of Soviet Socialist Republics and the development of the state system of separate Soviet nations in the light of the historical decisions of the 22d Congress of the CPSU. V. I. Kozlov. Sov. gos. i pravo 33 no. 4:40-48 Ap '63.

[Eternal and unshaken friendship] Druzha velikaya, vechnaya. Moskva, Gospolitizdat, 1962. 253 p.

Kalkandil, A. E. [V. I. Lenin's theory and program of the nationalities problem] Leninskaya teoriya i programma po natsional'nomu voprosu. Minsk, Gosizdat BSSR, 1962. 260 p.

NATURAL HISTORY see subdivision under Khoper Valley

NATURAL RESOURCES

Akademika nauk SSSR, Institut geografii. [Natural resources of the Soviet Union, their utilization and reproduction] Prirodnye resursy Sovetskogo Soyuza, ikh ispol'zovanie i vospol'zovaniye. Moskva, Izd-vo Akad. nauk SSSR, 1963. 241 p.

NATURE (AESTHETICS)

A treasure of riches, mysteries, and beauty. V. Peskov. Rabotnitsa 40 no. 6:16-17 Je '62.

NATURE IN LITERATURE

Landscape is an element of spirit. I. R. Semenchuk. Rad. lit. 7 no. 1:72-82 Ja-F '63.

NATURE IN POETRY

Glorifying the earth's beauty. F. Lesovol. Sov. Ukr. 13 no. 1:180-183 Ja '63.

NATURE STUDY

Acquainting children with nature according to the new program. A. Piontkovskiy. Doshk. vykh. 24 no. 2:39-41 F '63.

Technology learns from nature. IU, Kalinin. Sem'na i shkola 18 no. 3:42-44 Mr '63.

NAVAL ARCHITECTURE

Characteristics of the design of floating fish-processing plants. O. A. Dubovskoi. Sudostroyeniye 29 no. 1:12-16 Ja '63.

NAVIES see also subdivision 'Navy' under Russia

NAVIGATION

Zakharov, V. K. [Sailing directions] Morskaya lotosha. Moskva, Izd-vo "Morskoi transport," 1962. 414 p.

NAVOL—ELECTRIC POWER STATIONS

Beacon of the power engineering of Uzbekistan. Nar. khoz. Uzb. 5 no. 3:62-63 Mr '63.

NEAR EAST—HISTORIOGRAPHY

"Soviet studies in the field of the ancient history of the Near East, 1917-1956" by N. M. Postovskaya. Reviewed by I. D. Amusin. Vop. ist. 38 no. 3:157-160 Mr '63.

NEAR EAST—POLITICS

How the aggressive military bloc was organized in the Near and Middle East, 1950-1954. R. H. Zyblina. Ukr. ist. zhur. 6 no. 1:63-67 Ja-F '63.

NEARSIGHTEDNESS see Myopia

NEBULAE

Diffusion of resonance radiation in stellar atmospheres and nebulae. Part 2: Layer of finite optical thickness [with summary in English]. V. V. Ivanov. Astron. zhur. 40 no. 2:257-267 Mr-Apr '63.

Mass of filamentary nebulae (loop) in Cygnus [with summary in English]. G. B. Sholomitski. Astron. zhur. 40 no. 2:223-228 Mr-Apr '63.

Third plenum of the Committee on the Physics of Stars and Nebulae. V. V. Ivanov. Astron. zhur. 40 no. 2:396-398 Mr-Apr '63.

NEBULAE—SPECTRA

Investigation of the N III recombination spectrum in stellar envelopes and nebulae. Part 4: Equations of statistical equilibrium for the lower excited levels of C II, N III, O IV [with summary in English]. A. A. Nikitin, O. A. Akubovskii. Astron. zhur. 40 no. 2:245-258 Mr '63.

NECHUI-LEVYTS'KYI, pseud. see Levyts'kiy, Ivan, 1837-1918

NECK—SURGERY

Khitrov, F. M. [Defects and cicatricial atresia of the pharynx, the cervical portion of the esophagus, the larynx, the trachea and the method for their removal] Defekty i rubtsyovye zarashcheniya glotki, shelnogo otdela pishchevoda, gortani, trachei i metodika ikh ustraneniya. Moskva, Medgiz, 1963. 214 p. (DNLM)

NENETS NATIONAL AREA—REINDEER

Enko's truth. A. Kanukov. Parl. zhizn' no. 6:55-58 Mr '63.

NEODYMIUM CHLORIDES

Solubility of prasodymium and neodymium chlorides in normal alcohols at 0, 25, and 50°, and the thermography of crystal solvates. Z. I. Grigorovich. Zhur. neorg. khim. 8 no. 4:986-989 Ap '63.

NEODYMIUM HYDRIDES

Some properties of lanthanum and neodymium hydrides. V. I. Mikheeva, M. E. Kost. Zhur. neorg. khim. 7 no. 7:1493-1499 Jl '62.

NEON

Optimum operating conditions of an optical quantum generator on a neon-helium mixture. I. M. Belousova, O. B. Danilov, I. A. El'kina. Zhur. eksp. i teor. fiz. 44 no. 3:1111-1113 Mr '63.

NEON ISOTOPES

Some transfer reactions occurring during thallium irradiation by Ne²² ions [with summary in English]. G. Kumpf, E. D. Donets. Zhur. eksp. i teor. fiz. 44 no. 3:798-803 Mr '63.

NEPHELITE

(see also subdivision under Buryat A. S. S. R.) Distribution of water-soluble alkalis in sinter cakes of nepheline-sodium-calcium charge mixtures. A. S. Galkov, E. I. Khazanov, E. M. Shishilannikova. Trudy Vost.-Sib. fil. AN SSSR no. 43:59-62 '62.

NERVES, SPINAL—DISEASES

Some data on the role of traumatic moments in the origin of lumbosacral radiculitis. A. L. Ostapenko. Zdrav. Turk. 2 no. 6:28-31 N-D '58.

NERVES, SPINAL—SURGERY

Changes in the dental pulp in dogs following extirpation of the superior cervical ganglion. E. V. Udovitskaya. Probl. stom. 6:136-142 '62.

NERVOUS SYSTEM—DISEASES

TSuker, M. B. [Infectious diseases of the nervous system in children] Infektsionnye zabolevaniya nervnoi sistemy u detei. Moskva, Medgiz, 1963. 510 p. (DNLM)

NERVOUS SYSTEM, SYMPATHETIC

Development of "spontaneous" bioelectric activity in the sympathetic ganglia of the cat in ontogenesis. A. I. Selivra. Dokl. AN SSSR 148 no. 6:1425-1427 F '63.

Role of the sympathetic nervous system in the neurosecretory process in amphibians. M. S. Konstantinova, E. A. Moiseev. Dokl. AN SSSR 149 no. 4:963-965 Ap '63.

NERVOUS SYSTEM, VASOMOTOR

Vascular reactions in rheumatic lesions of the nervous system [with summary in English]. M. A. Fokin, T. I. Kludzhayeva. Vop. revm. 1 no. 4:35-42 O-D '61.

NETHERLANDS—CYTOLOGY

Conference of the European Tissue Culture Club in Leiden and Amsterdam and some trends in the cytological research of the Netherlands. P. P. Rumiantsev. TSitologiya 4 no. 3:373-380 My-Je '62.

NETHERLANDS—RELATIONS (GENERAL) WITH RUSSIA

"Netherlands--U.S.S.R." Irma Volevich. Kul't. i zhizn' 6 no. 12:40 '62.

NEUROCHEMISTRY

Changes in the sensitivity of effectors to the action of neural and humoral stimulants during the aging of the organism. V. V. Frolikis, N. S. Verkhatskii. Dokl. AN SSSR 148 no. 5:1228-1230 F '63.

Role of the sympathetic nervous system in the neurosecretory process in amphibians. M. S. Konstantinova, E. A. Moiseev. Dokl. AN SSSR 149 no. 4:963-965 Ap '63.

NEUROLOGY see subdivision under Krasnodar

NEUTRALIZATION

Titanium as an indicator electrode in neutralization reactions [with summary in English]. V. S. Galinker. Zhur. anal. khim. 17 no. 5:556-559 Ag '62.

NEUTRINOS

Diffraction mechanism of the inverse $\pi \rightarrow \mu + \nu$ decay process in the field of a nucleus [with summary in English]. IU, P. Nikitin. Zhur. eksp. i teor. fiz. 44 no. 3:857-861 Mr '63.

NEUTRON DIFFRACTION CRYSTALLOGRAPHY

Neutron diffraction study for the localization of hydrogen atoms in the structure of lithium sulfate monohydrate $\text{LiSO}_4 \cdot \text{H}_2\text{O}$. R. P. Ozerov and others. Dokl. AN SSSR 148 no. 5:1069-1072 F '63.

NEUTRONS

Characteristics of a proportional counter for mixed γ -neutron radiation. V. I. Ivanov, V. S. Troshin. Vop. doz. i zashch. ot izluch. no. 1:84-89 '62.

Determining the number of secondary neutrons produced in inelastic interactions between fast neutrons and heavy nuclei. V. V. Nefedov. Trudy Fiz. inst. 14:263-295 '62.

Dosimetric distribution of fission neutrons in certain protective media. E. A. Kramer-Ageev, V. P. Mashkovich. Vop. doz. i zashch. ot izluch. no. 1:57-65 '62.

Effect of the irradiation of indium by thermal neutrons on the molecular composition of its vapor. E. G. Shvidkovskii, G. M. Martynkevich, G. V. Malharova. Dokl. AN SSSR 149 no. 4:816-817 Ap '63.

Method for calculating the neutron flux in a shut-down reactor with a photoneutron source. L. V. Konstantinov, B. I. Kochetov. Atom. energ. 14 no. 4:402-404 Ap '63.

Pasechnik, M. V. [Problems in medium-energy neutron physics] Voprosy neitronnoi fiziki srednikh energii. Kiev, Izd-vo Akad. nauk USSR, 1962. 335 p.

Pulse method of studying the properties of slow neutrons. I. M. Frank. Trudy Fiz. inst. 14:117-146 '62.

Spectra and cross sections of inelastic neutron scattering in the energy range 0.2 to 1.2 Mev. by V, Th, Hg, W, Sb, Cd, Mo, Nb, and Fe nuclei. N. P. Glazkov. Atom. energ. 14 no. 4:400-402 Ap '63.

Use of the pulse method in studying the diffusion and slowing down of neutrons in various media and their multiplication in uranium graphite heterogeneous systems. A. V. Antonov. Trudy Fiz. inst. 14:147-223 '62.

NEUTRONS—SCATTERING

Phonon spectrum of nickel [with summary in English]. N. A. Chernoplekov and others. Zhur. eksp. i teor. fiz. 44 no. 3:858-860 Mr '63.

Spectra and cross sections of inelastic neutron scattering in the energy range 0.2 to 1.2 Mev. by V, Th, Hg, W, Sb, Cd, Mo, Nb, and Fe nuclei. N. P. Glazkov. Atom. energ. 14 no. 4:400-402 Ap '63.

NEUTRONS—SPECTRA

Energy distribution of scattered neutrons in water. V. A. Dulin, IU, A. Kazanskii, I. V. Shugar. Atom. energ. 14 no. 4:404-405 Ap '63.

NEVA BAY—BACTERIA

Distribution of micro-organisms oxidizing hydrocarbons in the water of the Neva Bay [with summary in English]. I. N. Poliakova. Mikrobiologiya 31 no. 6:1076-1081 N-D '62.

NEVA BAY—WATER—PURIFICATION

Distribution of micro-organisms oxidizing hydrocarbons in the water of the Neva Bay [with summary in English]. I. N. Poliakova. Mikrobiologiya 31 no. 6:1076-1081 N-D '62.

NEW YORK (CITY)—BALLET

Though there was no advertising. Svetlana Ivanova. Ogonek 41 no. 2:28-29 Ja '63.

NEWCASTLE—DESCRIPTION

Newcastle. Ogonek 41 no. 10:3-4 Mr '63.

NEWCASTLE—ECONOMIC CONDITIONS

Newcastle. Ogonek 41 no. 10:3-4 Mr '63.

NEWS AGENCIES see subdivision under United States

NEWSPAPER AND PERIODICAL CIRCULATION

(see also subdivision under Moscow; Novaya Kakhovka; Sochi; Vinnitsa; Virgin Territory)

Bring newspapers and magazines to every grain grower. Raspr. pech. no. 3:1-2 Mr '63.

Day of the distribution of printed matter. N. Vaks. Raspr. pech. no. 3:12-14 Mr '63.

Down the Volga, ... I. Liubimov. Raspr. pech. no. 3:20 Mr '63.

From house to house. I. Goslin. Raspr. pech. no. 3:7 Mr '63.

Good luck, postal workers! I. Sviatunov. Raspr. pech. no. 3:5-6 Mr '63.

In our seminar. I. Ignatenko. Raspr. pech. no. 3:18-19 Mr '63.

Practices of leading newsstand operators. S. Semenov. Raspr. pech. no. 3:10-17 Mr '63.

The soviet in the "Zavolzheki" State Farm. I. Kosmach. Raspr. pech. no. 3:8-9 Mr '63.

NEWSPAPER PUBLISHING

Publishing of local newspapers. L. S. Grushko. Poligr. proizv. no. 2:8-7 F '63.

NEWSPAPERS AND CHILDREN

"Idle running." A. Morozov. Komsom. zhizn' no. 3:26 F '63.

NEWTS see subdivision under Carpathian Mountains

NICHOLAS, Saint, Bp. of Myra

Chatverikov, Ivan. [Saint Nicholas, the worker of miracles] Svistal' Nikolai Chudotvorets. Hersbruck, Izd. Protostrei Nikolai Vaglais, 1948. 36 p. (MH)

NICKEL—SPECTRA

Phonon spectrum of nickel [with summary in English]. N. A. Chernoplekov and others. Zhur. eksp. i teor. fiz. 44 no. 3:858-860 Mr '63.

NICKEL CARBONYLS

Addition of silicon hydrides to unsaturated compounds in the presence of nickel carbonyl. E. TS. Chukovskaya, R. Kh. Freidlin. Izv. AN SSSR. Otd. khim. nauk no. 4:761-763 Ap '63.

Thermodynamic characteristics of nickel carbonyl synthesis reaction. A. IA. Kipnis. Zhur. neorg. khim. 7 no. 7:1500-1504 Jl '62.

NICKEL CATALYSTS see Catalysts, Nickel

NICKEL-CHROMIUM ALLOYS—WELDINGS

Effect of the composition of halide fluxes on the properties of welded joints in chromium-nickel alloys. IU, V. Sokolov, M. Kh. Shorshorov. Svar, proizv. no. 3:1-4 Mr '63.

NICKEL COMPOUNDS

Distortion of complexes $Cr^{3+}(H_2O)_6$ and $Ni^{2+}(H_2O)_6$ and the splitting of the spin levels of Cr^{3+} and Ni^{2+} owing to the Jahn-Teller effect. V. I. Avvakumov. Opt. i spekt. 13 no. 4:588-590 O '62.

NICKEL-PHOSPHORUS ALLOYS

Gol'dshteyn, M. E. [Electrodeposition of nickel-phosphorus alloys] Elektroliticheskoe osazhdenie splava nikel - fosfor. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13, No. M-58-132/14)

NICKEL-SILICON ALLOYS—WELDING

Kazemov, IU, I., and A. V. Nosov. [Welding of nickel-silicon alloys] Svarka nikolekremnistogo splava. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12, No. M-58-385/28)

NICKEL-TIN ALLOYS see Tin-nickel alloys

NIGER—POLITICS AND GOVERNMENT

The Republic of Niger. Mezhdunar. zhizn' 10 no. 4:152-154 Ap '63.

NIGERIA—AGRICULTURE—FINANCE

British monopolies in the agriculture of Nigeria. E. Kriventsov. Mir. ekon. i mezhdunar. otn. no. 3: 110-112 '63.

NIGERIA—ART

Nigeria rebuffs abstractionism. A. Chlenov. Iskusstvo 26 no. 1:50-51 '63.

NIGERIA—INVESTMENTS, BRITISH

British monopolies in the agriculture of Nigeria. E. Kriventsov. Mir. ekon. i mezhdunar. otn. no. 3: 110-112 '63.

NIGHT SCHOOLS see Evening and continuation schools

NIKOLAYEV—CITY PLANNING

Building development of Nikolayev. P. Feoktistov, G. P. retskii, Strel. i arkh. 11 no. 2:17-18 F '63.

NIKOLAYEV—SHIPBUILDING

At the front boundary of technical development. A. By-strevskii. NTO 5 no. 4:43-44 Ap '63.

NIKOPOL' REGION (DNEPROPETROVSK PROVINCE)—BRONZE AGE

Graves of the Bronze Age and of the pre-Scythian period in the Nikopol' burial ground. O. A. Krivosova-Grakova. Mat. i issl. po arkheol. SSR no. 115:1-55 '62.

NIKOPOL' REGION (DNEPROPETROVSK PROVINCE)—SCYTHIAN ANTIQUITIES

Scythian graves in the Nikopol' burial ground. B. N. Grakov. Mat. i issl. po arkheol. SSR no. 115:56-113 '62.

NIOBIUM CARBIDES

Investigating conditions of obtaining niobium carbide [with summary in English]. V. N. Paderno, IU, K. Lapshov. Porosh. met. 3 no. 1:75-78 Ja-F '63.

NIOBIUM COMPOUNDS

Phosphorus-niobium-molybdenum complex. A. K. Babko, IU, F. Shkaravskii. Zhur. neorg. khim. 7 no. 7:1555-1560 Ji '62.

NIOBIUM OXIDES

Kinetics of interaction between carbides and niobium oxides in a vacuum. G. P. Shvetkin, V. D. Ljubimov, Zhur. prikl. khim. 36 no. 2:289-307 F '63.

Reduction of titanium and niobium oxides by calcium carbide and cyanamide. G. A. Meerson, L. M. Iakshova, T. A. Shvedova. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo no. 1:69-75 Ja-F '63.

NIOBIUM SULFATES

System $Nb_2O_5 - SO_3 - H_2O$. IA. G. Goroshchenko, M. I. Andreeva. Zhur. neorg. khim. 8 no. 4:981-985 Ap '63.

NIOBIUM-ZIRCONIUM ALLOYS—TESTING

Investigating the oxidation of niobium-zirconium alloys D. A. Prokoshkin, E. V. Vasil'eva, V. IA. IAnushkovitch. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo no. 1:186-190 Ja-F '63.

NISSEI, GEORGH GRIGOR'EVICH, 1903-

Painters of our land. IU. Bychkov, Ogonek 40 no. 47: 16 N '62.

NITER see Saltpeter

NITRATION

Ionic mechanism of the nitration of unsaturated compounds. Nitrofluorination of olefins and their halogen-substituted derivatives. A. I. Titov. Dokl. AN SSSR 149 no. 2:330-333 Mr '63.

Nitration of kaolin. K. S. Kutateladze, E. N. Zedgindze. Zhur. prikl. khim. 36 no. 2:283-287 F '63.

NITRIC ACID

Chemistry of 1,4-dihydroxyanthraquinone. Part 2: Reaction of 1,4-dihydroxy-1-methylantraquinone with nitric acid. V. I. Gudzenko. Zhur. ob. khim. no. 3:940-943 Mr '63.

Extraction of nitric acid with amines. V. V. Fomin, V. T. Potapova. Zhur. neorg. khim. 8 no. 4:990-1002 Ap '63.

Extraction of nitric acid from a mixture with hydrochloric acid by n-tributyl phosphate. A. M. Rozen and others. Zhur. neorg. khim. 8 no. 4:1003-1010 Ap '63.

Rate of decomposition of apatite by nitric acid solutions of the system $CaO - P_2O_5 - N_2O_5 - H_2O$. M. E. Pozin and others. Zhur. prikl. khim. 36 no. 2:242-251 F '63.

NITRILES

Common features of rearrangements with N—N and N—O bond breaking and the formation of the nitrile group. I. I. Grandberg, A. N. Kost, IU, A. Naumov. Dokl. AN SSSR 149 no. 4:838-841 Ap '63.

NITRO COMPOUNDS

Reactions of aromatic nitro compounds. Part 15: Re-esterification of alkyl esters of nitronaphthols. S. S. Gitis, A. I. Glaz. Zhur. ob. khim. 33 no. 3:902-904 Mr '63.

NITROBACTERIA see Bacteria, Nitrifying

NITROGEN

"Nitrogen as an alloying element of steel" by M. L. Korolev. Reviewed by IU, A. Geller. Metalloved. i term. obr. met. no. 3:52-53 Mr '63.

Relation of methane- and propane-oxidizing bacteria to different nitrogen sources [with summary in English]. Z. S. Smirnova. Mikrobiologiya 31 no. 6:980-983 N-D '62.

NITROGEN—ANALYSIS

Gas chromatographic determination of nitrogen and oxygen in organic compounds. A. P. Terent'ev and others. Dokl. AN SSSR 148 no. 6:1316-1319 F '63.

NITROGEN COMPOUNDS

Direct N-arylation of five-membered nitrogen heterocycles. A. F. Pozharskii, B. K. Martakha, A. M. Simonov. Zhur. ob. khim. 33 no. 3:1005-1007 Mr '63.

NITROGEN COMPOUNDS—ABSORPTION SPECTRA

Infrared spectra of the molecular compounds of indium chlorides with nitrogen-containing organic substances. O. A. Osipov, I. M. Semenova. Zhur. ob. khim. 33 no. 3:720-724 Mr '63.

NITROGEN-FIXING MICRO-ORGANISMS see Micro-organisms, Nitrogen-fixing

NITROGEN FLUORIDE

Synthesis of nitrogen trifluoride. A. V. Pankratov, E. IA. Khannanova. Zhur. neorg. khim. 7 no. 7:1743 Ji '62.

NITROGEN IN THE BODY

Age-related changes in the nitrogen content of the parotid gland saliva. R. P. Podorozhnaia, T. I. Sapogovskaya. Probl. stom. 6:66-72 '62.

NITROSYL CHLORIDE

Interaction of nitrosyl chloride with unsaturated hydrocarbons. Part 7: Conversion of nitrosyl chlorides of olefins to oximes of α -chloro aldehydes and α -chloro ketones brought about by the action of hydrogen chloride. K. A. Ogloblin, V. P. Semenov, V. I. Skobilkova. Zhur. ob. khim. 33 no. 3:888-898 Mr '63.

NIZHNECHIRCHIKSKIY DISTRICT—FISH CULTURE

Natural feed supply of the spawning ponds of the "Kalgan-Chirchik" Fish Farm and the degree of its use by the mirror carp larvae. N. V. Pridakina. Vop. biol. i krazn. med. no. 3:143-149 '62.

NIZHNEUDINSK DISTRICT—VOCATIONAL EDUCATION

Special characteristics of industrial training in the schools of Tofatariya. A. N. Zakhlobny, V. I. Fil'. Shkola i proizv. 6 no. 11:23-25 N '62.

NIZHNIY TAGIL—CHILDREN

Before a new start. G. Volin. Klub 11 no. 3:28 Mr '62.

NIZHNIY TAGIL—RAILROADS—CARS

Technical information service at the Ural Railroad-Car Plant. N. IA. Slotina. Mashinostroitel' no. 2:33 F '63.

NIZHNIY TAGIL—STEEL INDUSTRY

Oxygen and steel. A. Grigor'ev. Ogonek 41 no. 5:4-5 Ja '63.

NIZHNIY TAGIL—TECHNOLOGY—INFORMATION SERVICES

Technical information service at the Ural Railroad-Car Plant. N. IA. Slotina. Mashinostroitel' no. 2:33 F '63.

NOGIN, VIKTOR PAVLOVICH, 1878-1924

Path of a Bolshevik. A. Golikov. Ogonek 41 no. 9:8 '63.

NOISE

Effect of masking on hearing acuity, on the tone and speech of subjects working in conditions of industrial noise [with summary in English]. S. Z. Romm. Vot. otorin. no. 4:37-43 '62.

Noise should be fought against. M. Matveev. Sov. profsoyuzy 19 no. 6:30-31 Mr '63.

NOMADS

Lapis lazuli adornments and amulets among the 16th-17th century nomads. T. I. Makarova. Arkheol. sb. [Erm.] no. 4:127-134 '62.

NOMOGRAPHY (MATHEMATICS)

New type of nomogram for gamma-ray defectoscopy. S. Popov. Atom. energ. 14 no. 4:410-419 Ap '63.

Nomogram for determining the porosity by volume and mineralogical density of a rock and also the media by density which impregnate its pores. V. N. Dakhnov, Razved. i prom. geofiz. no. 46:80-81 '62.

Nomographic representation of equations of the first genus with three variables. A. M. Bukhvalov. Dokl. SSSR 148 no. 6:1005-1008 F '63.

NONDESTRUCTIVE TESTING

New type of nomogram for gamma-ray defectoscopy. S. Popov. Atom. energ. 14 no. 4:418-419 Ap '63.

Radio engineering methods of inspection and their economic effectiveness. N. A. Krylov, G. I. Sakhno. Strel. i arkh. Len. 25 no. 3:26-28 Mr '63.

NON-EUCLIDEAN GEOMETRY see Geometry, Non-Euclidean

NONFERROUS ALLOYS

Where you should use nonferrous metals and alloys. Izobr. i rats. no. 9:35-36 S '62.

NONFERROUS ALLOYS—METALLOGRAPHY

Mikhailova, P. K. [Methods for the structural metallographic analysis of hard alloys] Metodika strukturnogo metallograficheskogo analiza tvordyykh splavov. Pod red. K. P. Imshennika. Moskva, Mashgiz, 1962, 38 p.

NONFERROUS INGOTS

Iakovlev, V. A. [Induction heating with a commercial frequency current of aluminum and magnesium alloy ingots] Induktsionnyi nagrev tokom promyshlennoi chastoty slitkov iz aluminievyykh i magnievyykh splavov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3, No. M-58-44/3)

NONFERROUS METAL INDUSTRIES—EQUIPMENT AND SUPPLIES

Benuni, A. Kh., and S. A. Porvushin. [Technical progress and increased labor productivity in the nonferrous metallurgy of the U. S. S. R.] Tekhnicheskii progress i povyshenie proizvoditel'nosti truda v tsvetnoi metallurgii SSSR. Moskva, Metallurgizdat, 1963, 143 p.

NONFERROUS METALS

Where you should use nonferrous metals and alloys. Izobr. i rats. no. 9:35-36 S '62.

NONFERROUS METALS—FOUNDING

Refining copper alloys from oxide inclusions. A. V. Kurimov, Lit. proizv. no. 5:41-42 My '62.

NONFERROUS METALS—HEAT TREATMENT

[Heat and chemical heat treatment of ferrous and nonferrous metals] Termicheskaya i khimiko-termicheskaya obrabotka chernyykh i tsvetnykh metallov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, Nos. 1, 3-4, 1958, (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3, Nos. M-58-10/1, M-58-264/10, M-58-308/15).

NONFERROUS METALS—METALLURGY

Diomidovskii, D. A., and others. [Calculation of pyrometallurgical processes and furnaces for nonferrous metallurgy] Raschety piroprotsessov i pechey tsvetnoi metallurgii. Pod nauchnoi red. D. A. Diomidovskogo. Moskva, Metallurgizdat, 1963, 459 p.

NONFERROUS METALS—WELDING

Akulov, A. I., and I. A. Sokol. [Welding nonferrous metal pipelines] Svarka truboprovodov iz tsvetnykh metallov. Moskva, Gosstroizdat, 1962, 140 p.

Asinovskaya, G. A., and others. [BM-1 gas-like flux for nonferrous metal welding and brazing] Gazosobraznyi flux BM-1 dlia svarki tsvetnykh metallov i tverdoy palki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12, No. M-58-104/4)

NONMETALLIC MATERIALS

Effect of high dispersion nonmetallic inclusions on the mechanical properties and recrystallization of powder metals [with summary in English]. IU, N. Semenov. Porosh. met. 3 no. 1:51-59 Ja-F '63.

Suslov, N. I., and others. [Nonmetallic materials] Nemetallicheskie materialy; spravochnik. Pod red. N. I. Suslova. Moskva, Mashgiz, 1962, 360 p.

NORIL'SK—FOUNDATIONS

Houses on pile foundations. F. Antonov. Zhil.-kom. khoz. 13 no. 3:13 Mr '63.

NORIL'SK REGION—ORE DEPOSITS

Some factors determining the ore potential of Noril'sk-type intrusives having significance in prospecting for copper-nickel ores. E. N. Sukhanova. Geol. rud. mestorozh. 5 no. 1:75-83 Ja-F '63.

NORIL'SK REGION—PROSPECTING

Some factors determining the ore potential of Noril'sk-type intrusives having significance in prospecting for copper-nickel ores. E. N. Sukhanova. Geol. rud. mestorozh. 5 no. 1:75-83 Ja-F '63.

NORTH ATLANTIC TREATY ORGANIZATION

Discords in the "Atlantic family." Mezhdunar. zhizn' 10 no. 4:149-150 Ap '63.

"NATO, the entangling alliance" by Robert Endicott Osgood; "The politics of western defence" (both in English) by F. W. Mulley. Reviewed by G. Gerasimov. Mir. ekon. i mezhdunar. otn. no. 3:136-138 '63.

No third alternative. Sovremennik. Nov. vrem. 20 no. 15:1-3 Ap '63.

Storm in the Atlantic. F. Orekhov. Mezhdunar. zhizn' 10 no. 4:31-40 Ap '63.

NORTH KAZAKHSTAN PROVINCE—COOPERATIVE SOCIETIES

Let's run our business intelligently. P. Vodianov. Koop. Kazakh. 5 no. 1:14-15 Ja '63.

NORTH KOREA see Korea, North

NORTH OSSETIA see Ossetia, North

NORTHERN CAUCASUS see Caucasus, Northern

NORWAY—TECHNICAL EDUCATION

Higher technical school of Norway. L. S. Artushkov. Vest. vys. shkoly 21 no. 4:82-85 Ap '63.

NOSE—ABNORMALITIES AND DEFORMITIES

Prevention and correction of deformities following surgery for congenital fissures of the lips and nose. I. V. Ierduk. Probl. stom. 6:350-360 '62.

NOSE—DISEASES

Neuroreflex syndrome in unilateral obstruction of the nose. I. N. Riga. Zhdrav. Turk. 6 no. 6:15-20 N-D '62.

Retention of calcium isotopes in the organism of healthy swine and in contagious atrophic rhinitis. H. D. Ivanova. Vsesy. sil'hosp. nauky 6 no. 2:114-116 F '63.

NOSE—MICROBIOLOGY

Microflora of the nasal cavity and Highmore sinuses in chronic serous inflammation of the latter [with summary in English]. V. M. Sokolov. Vest. otorin. no. 4:60-71 '62.

NOSE—SURGERY

Rhinoplasty in partial defects of the nose. A. G. Fetisova. Probl. stom. 6:350-355 '62.

NOSE—TUMORS

Adenoma of the nose and maxillary sinus. I. A. E. Shparber. Vest. otorin. no. 4:101-103 '62.

Generalized caseous disorder of the nasal cavity and sinuses in a 6-year-old child. I. T. Batulin. Vest. otorin. no. 4:100-101 '62.

NOSE, ACCESSORY SINUSES OF—TUMORS

Generalized caseous disorder of the nasal cavity and sinuses in a 6-year-old child. I. T. Batulin. Vest. otorin. no. 4:100-101 '62.

NOTARIES

Answering our readers' questions. Sov. iust. no. 4:29-30 F '63.

From the practice of notarial agencies. Sov. iust. no. 6:31-32 Mr '63.

From the practice of notarial agencies. Sov. iust. no. 7:31 Ap '63.

NOTRIMS FAMILY

Portrait of a mother. Z. Iliren. Ogonek 41 no. 10:24-25 Mr '63.

NOVAYA KAKHOVKA—NEWSPAPER AND PERIODICAL CIRCULATION

Nina brings news. Anatoli Russov. Sov. Soluz no. 4:43-45 '63.

NOVAYA ZEMLYA—HYDROLOGY

Akademiya nauk SSSR. Institut geografii. [Novaya Zemlya: Snow cover] Novaya Zemlia: Snezhnyi pokrov. Moskva. (Rus: Materialy glatsiologicheskikh issledovaniy) [With summary in English]

No. 3. Chizhov, O. P. [Snowstorm measurement observations and hydrological observations] Metelemernye i gidrologicheskie nabludeniya. 1962, 108 p.

NOVAYA ZEMLYA—SNOW

Akademiya nauk SSSR. Institut geografii. [Novaya Zemlya: Snow cover] Novaya Zemlia: Snezhnyi pokrov. Moskva. (Rus: Materialy glatsiologicheskikh issledovaniy) [With summary in English]

No. 1. Zinger, E. M. [Stationary observations at the Ledorazdel'naya and Bar'er Sonnenli Stations] Statsionarnye nabludeniya na stantsiyakh Ledorazdel'naya i Bar'er Sonnenli. 1962, 131 p.

Akademiya nauk SSSR. Institut geografii. [Novaya Zemlya: Snow cover] Novaya Zemlia: Snezhnyi pokrov. Moskva. (Rus: Materialy glatsiologicheskikh issledovaniy) [With summary in English]

No. 2. Zinger, E. M., and others. [Field observations] Marshrutnye nabludeniya. 1962, 131 p.

Akademiya nauk SSSR. Institut geografii. [Novaya Zemlya: Snow cover] Novaya Zemlia: Snezhnyi pokrov. Moskva. (Rus: Materialy glatsiologicheskikh issledovaniy) [With summary in English]

No. 3. Chizhov, O. P. [Snowstorm measurement observations and hydrological observations] Metelemernye i gidrologicheskie nabludeniya. 1962, 108 p.

NOVGOROD—MAYORS

Ianin, V. L. [The burgomasters of Novgorod] Novgorodskie posadniki. [Moskva] Izd-vo Mosk. univ., 1962, 386 p. illus, plates, tables. (CaOTU) (MH) (NN)

NOVGOROD—MONUMENTS

Glory to Russia. M. Matsapura. Ukraina no. 2:4 Ja '63.

NOVOCAINE

Use of a novocaine alcohol solution in stomatological practice. V. R. Firskov. Probl. stom. 6:395-396 '62.

NOVOCHERKASSK—MACHINERY INDUSTRY—ACCOUNTING

Mechanization of accounting for labor and wages. V. Plastolov. Bukhg. uch. 20 no. 2:50-52 F '63.

NOVOCHERKASSK REGION—ANTIQUITIES

Valuable archaeological finds in the Novocheerkassk region. S. I. Kaposkina. Vest. AN SSSR 33 no. 3:128-130 Mr '63.

NOVOKUYBYSHEV—PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES

Certified by the volunteer design office. V. Moshkin. Neftianik 8 no. 1:28-29 Ja '63.

NOVOKUYBYSHEVSK—PETROLEUM REFINERIES

Work-strengthened friendship. P. Uzunkolan. NTO 5 no. 4:17-18 Ap '63.

NOVOKUZNETSK—INDUSTRIAL PLANTS

The Abashevo Baldaevskaya Central Dressing Plant. I. V. Baronskii, T. N. Tsai. Prom. stroi. 41 no. 2:17-20 F '63.

NOVOKUZNETSK—ORE DRESSING

The Abashevo Baldaevskaya Central Dressing Plant. I. V. Baronskii, T. N. Tsai. Prom. stroi. 41 no. 2:17-20 F '63.

NOVOMOSKOVSK (TULA PROVINCE)—PRECAST CONCRETE CONSTRUCTION

The right way. D. Dobromyslov. Na stroi. Ros. 4 no. 1:6-7 Ja '63.

NOVOROSSIYSK—DESCRIPTION

Novorossiysk. O. Knorring. Ogonek 41 no. 10:2-3 Mr '63.

NOVOROSSIYSK—ECONOMIC CONDITIONS

Novorossiysk. O. Knorring. Ogonek 41 no. 10:2-3 Mr '63.

NOVOSIBIRSK—COMMERCIAL PRODUCTS—QUALITY CONTROL

More on stimuli and quality. P. Zorn. Sov. torg. 36 no. 3:36-37 Mr '63.

NOVOSIBIRSK—PRECAST CONCRETE CONSTRUCTION

Experience of Novosibirsk construction workers. A. Trebasov. Zhil. stroi. no. 2:17-19 '63.

NOVOSIBIRSK PROVINCE—CONSTRUCTION EQUIPMENT

Economical advantages of centralizing equipment. B. Gusev. Na stroi. Ros. 4 no. 1:12-14 Ja '63.

NOVOSIBIRSK PROVINCE—CONSTRUCTION INDUSTRY

The crew lives and works in the communist way. M. Shulenin. Sel'. stroi. 17 no. 2:21-22 F '63.

NOVOVOLYNSK—COAL MINES AND MINING—ACCOUNTING

Business accounting within individual production units of the coal industry. P. Zhuravlev. Bukhg. uch. 20 no. 3:30-36 Mr '63.

NOVSEIAN, ALEKSANDR MINASOVICH, 1858-1935

Shirvanzade as a critic of West European "modern art" [in Armenian with summary in Russian]. S. E. Topchian. Ist.-filol. zhur. no. 1:3-14 '63.

NOVYY OSKOL—RELIGION

They killed hope. A. Maslov. Nauka i rel. 4 no. 3:71-72 Mr '63.

NUCLEAR COUNTERS

Characteristics of a proportional counter for mixed γ -neutron radiation. V. I. Ivanov, V. S. Troshin. Vop. doz. i zashch. ot izluch. no. 1:84-88 '62.

[Electronics in nuclear spectrometry] Elektronika v spektrometrii iadernykh izlucheni. [By] L. S. Gorn, I. S. Krashennikov, B. I. Khazanov. Moskva, Gosatomizdat, 1963, 291 p.

Some dosimetric characteristics of a small-volume SBM-10 counter. A. M. Ranchenko. Atom. energ. 14 no. 4:408-409 Ap '63.

Use of Sakharov's counter in a sharply varying gamma-radiation field. V. V. Pavlov. Vop. doz. i zashch. ot izluch. no. 1:78-80 '62.

NUCLEAR ENGINEERING

Atom for peace. NTO 5 no. 4:64-3 of cover Ap '63.

[Nuclear engineering abroad] Atom, tekhn. za rub. 7 nos. 3-4 Mr-Apr '63.

NUCLEAR FISSION

Dosimetric distribution of fission neutrons in certain protective media. E. A. Kramer-Ageev, V. P. Mashkovich. Vop. doz. i zashch. ot izluch. no. 1:57-65 '62.

Formation of nuclei with anomalous periods of spontaneous fission in reactions involving heavy ions [with summary in English]. S. M. Polikanov and others. Zhur. eksp. i teor. fiz. 44 no. 3:804-807 Mr '63.

NUCLEAR GEOPHYSICS

[Nuclear geophysics; 1961 issue] Iadernaia geofizika; vypusk 1961 g. Moskva, Gostoptekhizdat, 1962, 229 p.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

Effect of paramagnetic ions on the magnetic relaxation of fluorine nuclei in solution. A. A. Popel', E. D. Grazhdanikov. Dokl. AN SSSR 149 no. 2:371-373 Mr '63.

Nature of the hydrogen bond in systems with π -electrons and its effect on the proton magnetic resonance. D. N. Shigorin and others. Dokl. AN SSSR 148 no. 5:1141-1144 F '63.

Orthogonal compensators for the inhomogeneity of the magnetic field in a nuclear magnetic resonance spectrometer [with summary in English]. V. V. Frolov, I. A. Kolikhova. Vest. LGU 18 no. 4:58-66 '63.

NUCLEAR MODELS

Determination of isobaric states in models with a fixed nucleon. A. R. Frenkin. Dokl. AN SSSR 148 no. 5:1060-1063 F '63.

On the theory of nonspherical nuclei according to the independent particle model. D. A. Zaitin. Trudy Fiz. inst. 14:3-58 '62.

NUCLEAR OPTICAL MODELS

Use of the modeling method in determining the efficiency of a scintillation γ -spectrometer. G. A. Fedorov, I. E. Konstantinov. Vop. doz. i zashch. ot izluch. no. 1:121-124 '62.

NUCLEAR PHOTOGRAPHY see Photography, Particle track

NUCLEAR PHYSICS

(see also subdivision under Great Britain)

Origin of elements heavier than calcium [with summary in English]. G. S. Malkiel', Astron. zhur. 40 no. 2:268-276 Mr-Apr '63.

Svyrydenko, V. M. [Role of mathematical hypotheses in the interpretation of microphysical phenomena; materials showing the development of nonrelativistic quantum mechanics] Rol' matematicheskoi rozvytku piznani mikrosvyazhech; na materialakh rozvytku nerelativistskoi kvantovoi mekhaniki. Kyiv, Vyd-vo AN URSR, 1962, 171 p.

NUCLEAR PHYSICS—BIBLIOGRAPHY see Bibliography—Nuclear physics

NUCLEAR PHYSICS—CONGRESSES

Conference on the physics of high energies. S. A. Slavutinskii. Vest. AN SSSR 33 no. 3:117-118 Mr '63.

International Conference on Spiral-coil Cyclotrons. Atom. energ. 14 no. 4:423-425 Ap '63.

NUCLEAR PHYSICS—RESEARCH

(see also subdivision under Geneva)
Kurchatov's herotam. Vladimir L'vov. Ogonek 41 no. 4:17 Ja '63.

NUCLEAR REACTIONS

Angular distribution of α -particles from the $^{18}\text{O}(p, \alpha)^{15}\text{N}$ reaction [with summary in English]. K. V. Karadzhev, V. I. Man'ko, F. E. Chutreev, Zhur. eksp. i teor. fiz. 44 no. 3:870-877 Mr '63.

Conference on weak interactions. V. Beliaev. Atom. energ. 14 no. 4:423 Ap '63.

Determining the number of secondary neutrons produced in inelastic interactions between fast neutrons and heavy nuclei. V. V. Nefedov. Trudy Fiz. inst. 14:263-265 '62.

Excitation function of the (γ, p) reaction on tungsten [with summary in English]. V. G. Shevchenko, B. A. Iur'ev, B. P. Levkin. Zhur. eksp. i teor. fiz. 44 no. 3:806-809 Mr '63.

Formation of nuclei with anomalous periods of spontaneous fission in reactions involving heavy ions [with summary in English]. S. M. Polikanov and others. Zhur. eksp. i teor. fiz. 44 no. 3:804-807 Mr '63.

NUCLEAR REACTIONS (Continued)

- Interaction between a high-energy multiply charged particle and an emulsion nucleus [with summary in English]. Kh. P. Babafan, N. A. Marutian, Zhur, eksp. i teor. fiz. 44 no. 3:832-839 Mr '63.
- One possibility of calculating the discontinuities of the transition amplitudes above the threshold of generation of more than two particles [with summary in English]. F. M. Kund, V. A. Franko, Vest. LGU 16 no. 4:15-19 '63.
- Production of hypernuclei by 8.6 Bev. protons [with summary in English]. M. E. Arustamova and others, Zhur, eksp. i teor. fiz. 44 no. 3:861-865 Mr '63.
- Some isotopic relations for reactions involving four particles in the final state [with summary in English]. V. A. Lami'ka, Zhur, eksp. i teor. 44 no. 3:899-1002 Mr '63.
- Some transfer reactions occurring during thorium irradiation by Ne^{22} ions [with summary in English]. G. Kumpf, E. D. Donets, Zhur, eksp. i teor. fiz. 44 no. 3:798-803 Mr '63.
- Stripping reactions on Mo^{97} and Ta^{125} [with summary in English]. N. I. Zalka, I. E. Sanzhur, Zhur, eksp. i teor. fiz. 44 no. 3:823-824 Mr '63.
- Strong interactions at high energies. N. G. Birger and others, Usp. fiz. nauk 70 no. 3:523-544 Mr '63.
- Use of the thin target method in studying the $D(T, n)He^4$ reaction in the energy range 40 to 750 Kev. L. N. Katsurov, Trudy Fiz. inst. 14:224-252 '62.

NUCLEAR REACTORS

- Apparatus for radiochemical investigations in an IRT-2000 reactor channel. A. A. Akhmedov and others, Atom. energ. 14 no. 4:412-414 Ap '63.
- Boundary conditions for the solution of Boltzmann's equation in periodic lattices. G. I. Ruminantsev, Atom. energ. 14 no. 4:371-374 Ap '63.
- Effect of single channels and slits on reactivity. I. A. V. Shevelov, Atom. energ. 14 no. 4:364-370 Ap '63.
- Method for calculating the neutron flux in a shut-down reactor with a photoneutron source. L. V. Konstantinov, B. I. Kochetov, Atom. energ. 14 no. 4:402-404 Ap '63.
- Use of the pulse method in studying the diffusion and slowing down of neutrons in various media and their multiplication in uranium graphite heterogeneous systems. A. V. Antonov, Trudy Fiz. inst. 14:147-223 '62.

NUCLEAR ROCKETS

- Atom in the cosmic harness; from materials published in the "Voprosy raketnoi tekhniki" journal. Tekh. mol. 31 no. 1:3-4 '63.

NUCLEAR SPIN

- Regge poles in nucleon-nucleon and nucleon-antinucleon scattering amplitudes [with summary in English]. D. V. Volkov, V. N. Gribov, Zhur, eksp. i teor. fiz. 44 no. 3:1068-1077 Mr '63.
- Theory of nonuniform chains of antiferromagnetic spins [with summary in English]. L. N. Bulashevskii, Zhur, eksp. i teor. fiz. 44 no. 3:1008-1014 Mr '63.

NUCLEIC ACIDS

- Applicability of immunological methods to the study of deoxyribonucleic acid. V. I. Fel', D. I. A. Podgaetskaya, Ili, M. Olenov, TSitologiya 4 no. 3:359-360 My-Je '62.
- Difficulties in determining the nucleotide composition of total RNA in insects. N. A. Gumilevskaya, M. M. Sisakian, Dokl. AN SSSR 149 no. 2:450-452 Mr '63.
- Dynamic double refraction of the solutions of high-molecular ribonucleic acid. E. V. Frisman and others, TSitologiya 4 no. 3:323-325 My-Je '62.
- Leucosogenic effect of nucleic acids isolated from tumors. V. M. Bresler and others, TSitologiya 4 no. 3:318-322 My-Je '62.
- On the nucleotide sequence of ribonucleic acids. V. Hebermann, Usp. sovr. biol. 55 no. 1:9-33 Ja-F '63.
- Problems of nucleic acids; out-session of the Academy of Medical Sciences of the U.S.S.R. on the problem of nucleic acids. Usp. sovr. biol. 55 no. 1:150-151 Ja-F '63.

NUCLEONS—SCATTERING

- Regge poles in nucleon-nucleon and nucleon-antinucleon scattering amplitudes [with summary in English]. D. V. Volkov, V. N. Gribov, Zhur, eksp. i teor. fiz. 44 no. 3:1068-1077 Mr '63.

NUCLEOTIDES

- "Chemistry of natural compounds; carbohydrates, nucleotides, steroids, proteins" by N. K. Kochetkov, I. V. Torgov, M. M. Botvink. Reviewed by G. I. Samokhvalov, Vest. AN SSSR 33 no. 3:141-143 Mr '63.
- Difficulties in determining the nucleotide composition of total RNA in insects. N. A. Gumilevskaya, M. M. Sisakian, Dokl. AN SSSR 149 no. 2:450-452 Mr '63.
- Free nucleotides in the leg and sternal muscles of chickens. V. I. Zhivkov, Dokl. AN SSSR 149 no. 2:453-455 Mr '63.
- On the nucleotide sequence of ribonucleic acids. V. Hebermann, Usp. sovr. biol. 55 no. 1:9-33 Ja-F '63.

NUMBERS, THEORY OF

- Gelfond, A. O., and I. V. Linnik. [Elementary methods in the analytical theory of numbers] Elementarnye metody v analiticheskoi teorii chisel. Moskva, Fizmatgiz, 1962. 269 p.
- Kubilius, Jonas. [Probability methods in the theory of numbers] Veroliatnostnye metody v teorii chisel. 2., dop. izd. Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1962. 220 p.

NUMERICAL WEATHER FORECASTING

- Russia (1923- U.S.S.R.) Koordinatsionnaya komissiya po chislennym metodam prognoza. [Papers from the Conference of the Coordinating Commission on Numerical Methods of Forecasting] Materialy soveshchaniya. Pod red. M. I. Udina. Leningrad, Gidrometeoizdat, 1961. 133 p.

NUMISMATICS—BIBLIOGRAPHY see Bibliography—Numismatics

NURSERIES

- Kindergartens and nurseries should be placed under the control of women's committees. F. Ulianov and others, Rabotnitsa 40 no. 6:14-15 Je '62.

NURSES AND NURSING

- Nurses. Nadezhda Svetlova. Ogonek 40 no. 20:10-19 My '62.

NUSTATION

- Discovery of a new nutation of the earth. N. N. Paritskii, Vest. AN SSSR 33 no. 3:77-81 Mr '63.

NYLON

- Enant fibers. M. Godzhello, Z. Korshak, N. Nikitina, Pesh. delo 9 no. 2:9-10 F '63.
- Preparation of copolymers based on capron and AG salt. I. A. Kharit, A. S. Shpital'nyi, M. A. Sokolovskii, Zhur, prikl. khim. 36 no. 2:467-468 F '63.

NYSTAGMUS

- Diagnostic importance of spontaneous nystagmus in cerebellar abscesses. E. A. Ladyzhenskaya, Vest. otorin. no. 4:62-67 '62.

OAK see subdivision under Moldavia; Ukraine

OAK—DISEASES AND PESTS see subdivision under Voronezh Province

OB' VALLEY—GAS, NATURAL—GEOLOGY

- Characteristics of the Lokosovo series in the middle Ob' Valley. S. I. Bliznichenko and others, Trudy SNIIGGIMS no. 26:62-76 '62.

OB' VALLEY—PETROLEUM GEOLOGY

- Characteristics of the Lokosovo series in the middle Ob' Valley. S. I. Bliznichenko and others, Trudy SNIIGGIMS no. 26:62-76 '62.

OBURCHEV FAMILY

- Continuation of the Oburchev dynasty. F. Kamenskii, Ogonek 41 no. 5:19 Ja '63.

OBSCULESCENCE (ACCOUNTING) see Depreciation

OBSTETRICS see subdivision under Kirghizistan

OBTURATOR ARTERY

- Variability of the origin of the obturator artery. T. A. Kofleva, Zdrav. Turk. 2 no. 6:21-23 N-D '63.

OCCUPATIONAL DISEASES

- Basic problems in scientific research in the field of occupational pathology of the ear, nose and throat. T. N. Mil'shtein, Vest. otorin. no. 4:9-17 '62.

OCCUPATIONAL THERAPY

- Gavetelak, T. S. M., and K. Kh. Gafurov. [Occupational therapy and the cardiovascular system in mental illnesses with a chronic course] Trudoterapiya i serdечно-sosudistaya sistema pri psichicheskikh zabolevaniyakh s khronicheskimi techeniem. Pod red. F. F. Detogofa, Tashkent, Medgiz UzSSR, 1962. 108 p. (DNLM)

OCCUPATIONS

- "Technical progress and new occupations"; "Technical progress and worker cadres in the construction industry" by V. V. Svetlov. Reviewed by V. Lagodkin, Prof. i tekhn. obr. 20 no. 3:31 Mr '63.

OCCUPATIONS, DANGEROUS

- Bronitsa, A. B. [Benefits and compensation for workers in hazardous occupations] L'goty i kompensatsii dlya rabotnikov s vrednymi usloviyami truda. Moskva, Gosstatizdat, 1962. 190 p.

OCEAN

- The ocean as source of electric power. V. Bogoslovskii, Tekh. mol. 31 no. 1:37 '63.

OCEAN BOTTOM

- (see also subdivision under Atlantic Ocean)
- Panov, D. G. [Bottom morphology of the world ocean] Morfologiya dna mirovogo okeana. Moskva, Izd-vo Akad. nauk SSSR, 1963. 226 p. (Geograficheskoe obshchestvo SSSR. Zapiski, Novaya seriya, vol. 23)

OCEANIA—MINES AND MINERAL RESOURCES

- Russia (1923- U.S.S.R.) Vsesoyuznyi geologicheskii fond. [Brief manual on the mineral resources of capitalist countries; Africa, Australia and Oceania] Kratkii spravochnik po mineral'nym resursam kapitalisticheskikh stran; Afrika, Avstraliya i Okeaniya. Pod red. N. A. Bykhovera, M. V. Dubovskoi i N. A. Nekhadseva. Moskva, Gosgeoltekhizdat, 1962. 197 p.

OCEANOGRAPHY see subdivision under Adriatic Sea

ODESSA

- A tribute of party control. Part zhizni' no. 6:78 Mr '63.

ODESSA—AIRLINES—TERMINALS

- Air terminal in Odessa. N. Shapovalenko, E. Vainshtein, Stroitel' arkhit. 11 no. 2:20-21 F '63.

ODESSA—CARGO HANDLING

- Car exchange area is a direct variant of growth potential. O. Tomas, Mor. flot 23 no. 3:9-10 Mr '63.
- Loading large-size cargo on ships in the Odessa harbor. A. A. Rhenkin, S. S. Shvarts, Blud. tekhn. i ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:68-75 '62.

- Rapid method of loading and unloading of unrefined sugar by the direct variant. 1. Ledovskikh, Mor. flot 23 no. 3:10-13 Mr '63.

ODESSA—COMMUNITY CENTERS

- No one is lonely here. V. Kondrat'eva, Komsoim, zhizni' no. 13:26 Ji '62.

- A year later. Vladimir Belov, Smena 40 no. 1:30-31 Ja '63.

ODESSA—FACTORIES

- A factory-garden. G. A. Rybal'chenko, Mashinostroitel' no. 2:38-39 F '63.

ODESSA—FISH, CANNED

- "Belgorod-Dnestro pepper." D. Slobodskaya, Ryb. khoz. 39 no. 3:52-55 '63.

ODESSA—MACHINERY INDUSTRY—ACCOUNTING

- Simplifying accounting for auxiliary productions. G. Vysokii, Bukhg. uchot 20 no. 2:17-19 F '63.

ODESSA—OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

- Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevnoi promyshlennosti. [Oil-extractor unit and experience with its operation] Ekstraktsionnaya ustanovka Ope i opyt ee ekspluatatsii. Moskva, 1962. 50 p. (Tekhnicheskaya informatsiya)

ODESSA—TECHNICAL EDUCATION

- Fortieth anniversary of the Odessa Technological Institute, named after M. V. Lomonosov. Izv. vys. ucheb. zav. i spich. tekhn. no. 1:157 '63.

ODESSA, BATTLE OF, 1941

- Conference on the history of the defense of Odessa. S. A. Vol'skiy, Ukr. ist. zhur. 6 no. 1:156-157 Ja-F '63.

ODESSA PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

- "Studies on the history of the Odessa party organization." Reviewed by M. T. Sydoruk, M. D. Nesterova, Ukr. ist. zhur. 6 no. 1:132-136 Ja-F '63.

ODESSA PROVINCE—PHARMACISTS

- Attestation of pharmacists in Odessa Province. V. M. Shelud'ko, N. I. Bachmanova, M. O. Domnyeh, Farmatsv. zhur. 17 no. 4:74-75 '62.

ODESSA PROVINCE—SOIL FORMATION

- Formation of soils with residual Solonetz characteristics in southern Odessa Province [with summary in English]. K. G. Seleznev, Pochvovedenie no. 3:114-117 Mr '63.

ODINETS FAMILY

- Gavrilin Odinets, his children, grandchildren and great-grandchildren. O. Kuprin, D. Prirodnyy. Ogonek 40 no. 52:6-8 D '62.

OFFENSES AGAINST SOCIALIST PROPERTY

- Tikhonko, S. I. [Fight against the pilfering of socialist property committed by the forgery of documents] Bor'ba s kishchenkami sotsialisticheskoi sobyemnosti, svyazannymi s podlogom dokumentov. [Kiev] Izd-vo Kievskogo univ., 1959. 386 p.

OFFSET PRINTING

- Using offset printing for manufacturing scales and other parts of instruments. V. V. Makarevich, Avtom. i prib. no. 1:83-86 Ja-Mr '63.

OGLOBLIN, DMITRII NIKOLAEVICH

- In the main direction. M. Myronov, Nauka i zhytiya 12 no. 1:18-19 Ja '63.

OIL BURNERS

- Design of the blading in air nozzles for mazut burners and determination of the air flow characteristics. M. I. Sidorov, Inform. shor. TSNIMF no. 60 Tekh. eksp. mor. flota. no. 12:92-102 '61.
- Methodology for calculating and designing centrifugal jets for atomizing fuel oils. Z. I. Geller, M. I. Mereshkin, Toploenergetika 10 no. 4:87-91 Ap '63.

OIL FIELD BRINES

Propagation velocity of elastic waves in reservoir fluids. G.I. Petkevich, T. Z. Vorbitskii, I.A. E. Riznik. Geofiz. sbor. no. 1:79-84 '62.
Radioactive elements of the uranium and thorium series in oil field formation waters. G. Kh. Efendiev, A. N. Nuriev. Azerb. khim. zhur. no. 2:113-117 '62.

OIL FIELDS see subdivision under Kara Kum; Lena Basin; Tungor, Lake

OIL FIELDS—ELECTRONIC EQUIPMENT

Cybernetics is coming to the oil fields. E. I. U. Sokhrin. Neftianik 7 no. 7:19-21 JI '62.

OIL FIELDS—EQUIPMENT AND SUPPLIES

(see also subdivision under Leninogorsk, Tatar A.S.S.R.)

Automation of field petroleum processing and gas transportation. Avtomatizatsiya promyslovoi podgotovki nefti i transporta gaza. [By] V. F. Akimov i dr. Moskva, Gostoptekhizdat, 1963. 166 p.

Causes of accidents with electrical petroleum dehydrators. V. A. Rozhdestvenskii. Bezop. truda v prom. 7 no. 3:15-16 Mr '63.

New achievements of the All-Union Petroleum Research Institute on Safety Engineering. D. K. Sultanov. Bezop. truda v prom. 7 no. 3:24-26 Mr '63.

New oil-field equipment should be perfect. N. Semenenko. Bezop. truda v prom. 7 no. 3:13-14 Mr '63.

OIL FIELDS—FIRES AND FIRE PREVENTION

Kotov, G. M. [Fire hazards and fire-prevention measures in oil fields] Pozharnaya opasnost' i protivopozharnye meropriyatiya na neftepromyslakh. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 81 p.

OIL FIELDS—FLUID DYNAMICS

Crutcea, M. [Underground hydraulics. Translated from the Rumanian] Podzemnaya gidravlika. Pod red. V. A. Evdokimova. Moskva, Gostoptekhizdat, Vol. 1. 1961. 342 p.

OIL FIELDS—MICROBIOLOGY

Simakova, T. L., and Z. A. Kolesnik. [Bacteria of the formation waters, petroleum, and rocks of oil fields of the U.S.S.R.] Bakteri plastovykh vod, nefti i porod neflianykh mestorozhdenii SSSR. Leningrad, Gostoptekhizdat, 1962. 87 p. (Leningrad, Vsesoluznyy nefianol nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 199)

OIL FIELDS—PRODUCTION METHODS

(see also subdivision under Bashkiria; Ordzhonikidze region, Azerbaijan)
Development of oil fields in foreign countries. M. Semenov. Izv. vys. ucheb. zav.; neft' i gaz 5 no. 5:110-120 '62.

OIL HYDRAULIC MACHINERY

Future belongs to oil-hydraulic machinery. G. Tirasov. NTO 5 no. 2:35-38 F '63.

Zaitsev, P. P. [Hydraulic duplicating devices of machine tools] Gidrokopiroval'nye ustroystva metallo-rezhushechikh stankov. Moskva, Mashgiz, 1963. 135 p.

OIL HYDRAULIC MACHINERY—TECHNOLOGICAL INNOVATIONS

Mechanic Gusev's hydraulics. I. Dobrynin. Izobr. i rats. no. 9:19 S '62.

OIL HYDRAULIC MACHINERY—TESTING

Device for pressure testing. E. A. Podolskii, P. M. Khanokh. Stroitel'stvo mash. 8 no. 2:32-33 F '63.

OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

(see also subdivision under Odessa)

Mashkov, V. A. [Technological equipment for the production of vegetable oils] Tekhnologicheskoe oborudovanie proizvodstva rastitel'nykh masel. Moskva, Pishchepromizdat, 1962. 428 p.

OIL RESERVOIR ENGINEERING

Vsesoluznoe soveshchanie po razrabotke neflianykh i gazovykh mestorozhdenii. Kiev, 1961. [Practice in developing oil and gas fields] Opyt razrabotki neflianykh i gazovykh mestorozhdenii; materialy. Moskva, Gostoptekhizdat, 1963. 489 p.

OIL SHALES

[Handbook on refining oil shales] Spravochnik po pererabotke goruchikh slantsev. [By] M. M. Barashchevskii, E. S. Bezmozgii, R. N. Shapiro. Leningrad, Gostoptekhizdat, 1963. 238 p.

OIL WELL CEMENTING

(see also subdivision under Volga Valley)

Electrochemistry at the drilling rig. V. G. Smolandinov. Neftianik 7 no. 7:11-12 JI '62.

OIL WELL DRILLING see subdivision under Black Sea region; Irkutsk Province; Tuymazy region

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

(see also subdivision under Ural Mountain region)

The electric drill is a reliable aggregate. [Usup] Kertimov. Neftianik 8 no. 1:35 Ja '63.

Samgin, I. S. [New devices for mechanizing auxiliary operations in drilling] Novye prisoobleniya dlia mekhanizatsii vspomogatel'nykh operatsii pri burenii. Moskva, Gosgeoltekhizdat, 1962. 47 p.

OIL WELL DRILLING, SUBMARINE see subdivision under Artem Island

OIL WELL PUMPS see subdivision under Azorbaijan; Tuymazy region

OIL WELLS—EQUIPMENT AND SUPPLIES

Fishing tool. L. A. Livshits. Neftianik 7 no. 7:17 JI '62.

Use of cast trotyl charges to torpedo wells. S. I. A. Kharlamov. Razved. i prom. geofiz. no. 46:128-129 '62.

OKA VALLEY—ROCKS, SEDIMENTARY

Pichugin, M. S. [Lithology and the commercial evaluation of Upper Carboniferous rocks in the Oka-Klyaz'ma region] Litologiya i promyshlennaya otsenka verkhnekambriyevykh porod Oksko-Kliaz'minskogo raiona. Moskva, Izd-vo Akad. nauk SSSR, 1962. 125 p.

OKHANSK—ATHEISM—STUDY AND TEACHING

Conversation about souls. M. Ippolitov. Klub 12 no. 9: 9-11 S '62.

OKTYABRSKII—CANNING INDUSTRY—EQUIPMENT AND SUPPLIES

Mechanized apple slicing in the preparation of canned fruit. I. A. Elintskii. Kons. i ov. prom. 18 no. 3:16 Mr '63.

OLD AGE

"Aging and senility: foundations of hygiene and therapy" by F. Bourliere. Reviewed by B. A. Nikituk, V. A. Tutel'ian. Vop. antr. no. 1:155-156 '62.

OLD AGE—DISEASES see Geriatrics

OLD BELIEVERS see subdivision under Yenisey Valley

OLEFINS

Alkylation of phenol with olefins in the presence of synthetic aluminosilicates. I. U. G. Mamadaliyev and others. Azerb. khim. zhur. no. 2:11-18 '62.

Alkylation of toluene, xylenes, and trimethylbenzenes with olefins in the presence of synthetic aluminosilicates. I. U. G. Mamadaliyev and others. Azerb. khim. zhur. no. 2:3-9 '62.

Hydrogenation of α -, β - and γ -acetylenic hydrocarbons in their binary mixtures on a skeletal nickel catalyst. L. Kh. Freidlin, I. U. Kaup. Izv. AN SSSR, Old. khim. nauk no. 4:742-748 Ap '63.

Interaction of nitrosyl chloride with unsaturated hydrocarbons. Part 7: Conversion of nitrosyl chloride of olefins to oximes of α -chloro aldehydes and α -chloro ketones brought about by the action of hydrogen chloride. K. A. Ogloblin, V. P. Semenov, V. I. Skolnikova. Zhur. ob. khim. 33 no. 3:888-896 Mr '63.

Ionic mechanism of the nitration of unsaturated compounds. Nitrofluorination of olefins and their halogen-substituted derivatives. A. I. Titov. Dokl. AN SSSR 149 no. 2:330-333 Mr '63.

Organoboron compounds. Report No. 116: Reactions of polymers of alkyl mercaptoboranes with unsaturated compounds. B. M. Mikhailov and others. Izv. AN SSSR Old. khim. nauk no. 4:646-651 Ap '63.

Radiation-initiated polymerization of fluorolefins. V. A. Khramchenkov. Dokl. AN SSSR 149 no. 2:338-340 Mr '63.

OLEFINS—ABSORPTION SPECTRA

Infrared spectra of olefin complexes with aluminum halides. D. S. Bystrov. Dokl. AN SSSR 149 no. 4:872-875 Ap '63.

OLEIC ACID

Protective action of radiation protectors (cysteamine, cystineamine, AET) on the radiomimetic effect of the products of oleic acid oxidation. M. L. Kakushkina, N. P. Korolev, I. U. D. Kudriashov. Dokl. AN SSSR 149 no. 4:873-875 Ap '63.

OLENEK DISTRICT—YAKUT LANGUAGE—DIALECTS

Lexical characteristics of the dialect spoken in the Olenek District. E. I. Korkina. Nauch. soob. IAF AN SSSR no. 8:65-74 '61.

OLIGOCHAETA

(see also subdivision under Rybinsk Reservoir; Volgograd Reservoir)

Relation of the volume and rate of regeneration to the size of the regenerate in the oligochaete Dero digitata. V. B. Kasinov. Dokl. AN SSSR 149 no. 4:985-987 Ap '63.

OLITORISIDE

Some hemodynamic indicators of blood circulation insufficiency in patients treated with the new native glycosides olitoriside and strophanthin K. L. A. Tykueva. Vop. biol. i kraev. med. no. 3:234-240 '62.

OLOVYANNAYA DISTRICT—DIKES (GEOLOGY)

Metasomatic dikes in Olovyanaya District. V. G. Gladkov. Geol. i geofiz. no. 11:105-108 '62.

OLYMPIC GAMES

Rules of the All-Union Contest for the Candidates to the Olympic Team of the U.S.S.R. (to be continued). Teor. i prak. fiz. kul't. 26 no. 2:75-77 F '63.

Sobolev, P. A. [Notes of an attaché to the Olympic Games] Zapiski olimpijskogo atlasa. Moskva, Sovetskaya Rossiya, 1962. 118 p.

TSybulenko, V. S. [Duels of three Olympic Games; notes of an athlete] Poledynky triokh olimpiad; zapysky sportsmena. Kyiv, Molod', 1962. 68 p.

OMSK—JUSTICE, ADMINISTRATION OF

Good results of public inspections. A. Motorina. Sov. iust. no. 4:26-27 F '63.

OMSK PROVINCE—RESEARCH, INDUSTRIAL

Ranks of volunteer scientists are increasing. K. Naidin. NTO 5 no. 4:29-32 Ap '63.

OMSK PROVINCE—REVOLUTION, 1917-1921

Bocharnikova, V. I. [The partisan movement in Omsk Province during the years of the civil war and foreign military intervention, 1918-1919] Partizanskoe dvizhenie v Omskoj oblasti v gody grazhdanskoi voyny i inostrannoi voennoi interventsii, 1918-1919 gg. Omsk, Obshchestvo po rasprostaneniyu polit. i nauchn. znaniy RSFSR, Omskoe obl. old-nie, 1960. 46 p. (MI)

OMSK PROVINCE—TRACTORS—MAINTENANCE AND REPAIR

Machine "doctors." A. Khomenko. Sov. profsoyuz 19 no. 6:10-11 Mr '63.

ONCOLOGY—ABSTRACTS

[General problems of pathology. Oncology] Ref. zhur. : Ob. vop. pat. Onk. nos. 5, 7-8 Mr-Apr '63.

ONCOLOGY—CONGRESSES

Eighth International Cancer Research Congress and some theoretical problems of oncology. E. A. Finkel'shtein. Usp. sovr. biol. 55 no. 1:144-149 Ja-F '63.

ONON VALLEY—SOIL MOISTURE

Nature of water and temperature conditions of Chernozems in the Onon Lowland, Transbaikalia [with summary in English]. I. I. Lebedeva, E. V. Semina. Pochvovedenie no. 2:58-67 '63.

ONON VALLEY—SOIL TEMPERATURE

Nature of water and temperature conditions of Chernozems in the Onon Lowland, Transbaikalia [with summary in English]. I. I. Lebedeva, E. V. Semina. Pochvovedenie no. 2:58-67 '63.

ONTOGENY

Development of "spontaneous" bioelectric activity in the sympathetic ganglia of the cat in ontogenesis. A. I. Selivra. Dokl. AN SSSR 148 no. 6:1425-1427 F '63.

ONTOGENY—CONGRESSES

Nauchnaya konferentsiya po vozrastnoi morfologii, fiziologii i biokhimi. 6th, 1961. [Transactions of the Fifth Scientific Conference on Age-Related Morphology, Physiology, and Biochemistry] Trudy. Pod red. A. A. Markosiann. Moskva, Izd-vo Akad. nauk RSFSR, 1962. 557 p. [MICROFILM]

OOGENESIS

Karyosphere in the oogenesis of a darkling beetle. M. N. Gruzova. TSitologiya 4 no. 3:335-338 My-Je '62.

OPEN-AIR SCHOOLS see subdivision under Estonia

OPEN-HEARTH FURNACES

Automatic distribution system of combustion products among regenerators of an open-hearth furnace. A. L. Turuhiner, V. N. Shenderovich. Avtom. i prib. no. 1: 8-12 Ja-Mr '63.

Improving the temperature control system of open-hearth furnaces. V. S. Kochev, V. I. Grankovskii, V. L. Naidek. Avtom. i prib. no. 1:21-24 Ja-Mr '63.

Simple control of air flow. D. I. Makarov and others. Avtom. i prib. no. 1:24-26 Ja-Mr '63.

OPEN-HEARTH FURNACES—COMBUSTION

Possibility of automatically controlling the process of the burning out of carbon. V. P. Tsybal, Izv. vys. ucheb. zav.; chern. met. 6 no. 2:158-164 '63.

OPEN-HEARTH FURNACES—EQUIPMENT AND SUPPLIES

Makoev, I. M. [Improved design of steel pouring ladles] Usovshchenstvovanie konstruktsii stal'erazivnochnykh kovalok. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnikeskii i proizvodstvennyi opyt, Tema 1. No. M-58-263/5)

Frankhtman, L. D. [Remote control arrangement in an open-hearth furnace shop] Telemekhanicheskoe ustroystvo v martenovskom tsokhe. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnikeskii i proizvodstvennyi opyt, Tema 1. No. M-58-178/3)

OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

Increasing the output of open-hearth furnaces. G. I. Evchenko, M. V. Terent'ev. Metallurg 8 no. 4:16-17 Ap '63.

Using ground powders in the repair of open-hearth furnace hearth bottoms. M. G. B. Lunetkin and others. Metallurg 8 no. 4:27-28 Ap '63.

OPEN-HEARTH PROCESS

Chromium distribution between the metal and basic open-hearth slag. S.I. Sobkin. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 2:45-57 '63.

Melting process in basic open-hearth furnaces with use of low-grade manganese ore. E.I. Arzamastsev, P.V. Umrikhin. *Izv. vys. ucheb. zav.; Chern. met.* 6 no. 2: 58-67 '63.

Skrebtsov, A.M. [Radioisotopes in the investigations of the open-hearth process] *Radioaktivnye izotopy pri issledovanii martenovskogo protsesssa.* Moskva, Metallurgizdat, 1963. 136 p.

OPERA see subdivision under Voronezh

OPERA—HISTORY AND CRITICISM

Khokhlovkina, A.A. [West-European opera; the end of the 18th and first half of the 19th century; studies] *Zapadnoevropeiskaya opera; konets XVIII-pervaya polovina XIX veka; ocherki.* Moskva, Muzgiz, 1962. 366 p.

OPERATIONAL CALCULUS see Calculus, Operational

OPERATIVE SURGERY see Surgery, Operative

OPERATORS (MATHEMATICS)

Expansion in eigenfunctions of a nonself-adjoint differential operator with spectral singularities. V.E. Liantse. *Dokl. AN SSSR* 149 no. 2:256-259 Mr '63.

Extremum problems in the theory of polynomial operators. D.L. Berman. *Mat. sbor.* 60 no. 3:354-365 Mr '63.

Method of tangent hyperbolas. R.A. Shafiev. *Dokl. AN SSSR* 149 no. 4:788-791 Ap '63.

Nonlinear equations with uniformly concave operators. I.A. Bakhtin. *Sib. mat. zhur.* 4 no. 2:268-286 Mr-Apr '63.

Simplest solvable extensions for ultrahyperbolic and pseudoparabolic operators. A.A. Dezin. *Dokl. AN SSSR* 148 no. 5:1013-1016 F '63.

Summation of the iterations of linear operators. A.A. Melentsov, E.B. Murev. *Izv. AN Arm. SSR. Ser. fiz.-mat. nauk* 16 no. 1:3-12 '63.

OPHTHALMOSCOPE

Improved device for gonioscopic fixation. L.F. Linnik. *Oft. zhur.* 17 no. 7:440 '62.

OPIMUM—TOXICOLOGY

Change in the protein function of the liver in chronic opiomania. O. Murrykov, Kh. Naubatov. *Zdrav. Turk.* 6 no. 6:24-27 N-D '62.

OPOCHKA—AMATEUR THEATRICALS

... and a trip to Opocheka. Elena Tarasova. *Rabotnitsa* no. 1:14-16 Ja '63.

OPTIC NERVE—DISEASES

Change in the functional state of the visual analyzer in glaucoma. V.G. Al'binskii. *Sov. zdrav. Kir.* no. 1:26-31 Ja-F '63.

OPTICAL INSTRUMENTS

Chamber for the observation of the negative optical acoustic effect. A.A. Stykov, Chen' Fyn-tai [Ch'en Feng-ch'ei]. *Opt. i spekt.* 13 no. 4:609-610 O '62.

Latus, L.A. [Impact-tension tester of hard polymers. Polarization unit for optical investigation of stresses] *Koper dlia ispytaniia tverdykh polimerov na udarnoe razluzhenie. Polarizatsionnaya ustanovka dlia issledovaniia napriazhenii opticheskimi metodami.* [By] B.M. Zuev i S.G. Stepanov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32. No. F-58-13/6)

Optical cell for measuring absorption spectra of chemically active solutions under pressure. I.A. M. Varshavskii, A.I. Khlova. *Opt. i spekt.* 13 no. 4:568-571 O '62.

OPTICAL INSTRUMENTS—ABSTRACTS

[Precision mechanics, optics, and testing apparatus] *Ref. zhur.: Tech. mekh., opt. i isp. app.* no. 3 Mr '63.

OPTICS—BIBLIOGRAPHY see Bibliography—Optics

OPTICS, PHYSICAL

A boundary value problem in optics. D.Z. Avazashvili. *Izv. vys. ucheb. zav. fiz. mat.* no. 2:3-11 '63.

ORBIT (EYE)—SURGERY

Case of successful removal of a venous aneurysm of the orbit. M.M. Zolotareva. *Oft. zhur.* 17 no. 7:441-442 '62.

ORDZHONIKIDZE—GAS MANUFACTURE AND WORKS

Here you can learn a lot. I. Makhnovskii. *Zhil. i kom. khoz.* 13 no. 3:14-15 Mr '63.

ORDZHONIKIDZE REGION (AZERBAIJAN)—OIL FIELDS—PRODUCTION METHODS

Scientific workshop. T. Abramian. *Neftianik* 7 no. 7: 7-8 Ji '62.

ORE DEPOSITS

(see also subdivision under Buryat A. S. S. R.; Kustanay; Noril'sk region; Pacific Area; Siberia)

[Endogenic dispersion halos of some hydrothermal deposits] *Endogennye oreoly rasselianiia nekotorykh gidrotermal'nykh mestorozhdenii.* [By] E.M. Lantshevskii i dr. Moskva, Geologizdat, 1963. 121 p.

Structure and development of seeping hydrothermal ore-forming systems [with summary in English]. G. L. Pospelov. *Geol. i geofiz.* no. 12:40-57 '62.

Structure and development of the flow of hydrothermal ore-forming systems [with summary in English]. G. L. Pospelov. *Geol. i geofiz.* no. 11:28-40 '62.

V.I. Vernadskii's role in the organization of systematic search for radioactive ores in our country. M.N. Al't-gauzen. *Sov. geol.* 6 no. 3:57-60 Mr '63.

ORE DRESSING

(see also subdivision under Novokuznetsk)

Arashkevich, V.M. [Methods of investigating the beneficiation properties of minerals] *Metody issledovaniia obogatimosti poleznykh iskopayemykh; uchebnoe posobie.* [Sverdlovsk] Sverdlovskii gornyi in-t im. V.V. Vakhursheva, 1962. 55 p.

[MICROFILM]

Arsenic behavior during the oxidation rolling of Kerch deposit iron ores. N.A. Vaslutinskii, L.I. Vaslutinskaya. *Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo* no. 1:26-32 Ja-F '63.

Investigating the process of granulating alkali aluminosilicate charge mixtures. E.I. Khazanov, D.D. Otto. *Trudy Vost.-Sib. fil. AN SSSR* no. 43:40-54 '62.

Jigging of ores containing valuable minerals having a specific gravity of 3-4. I.U. G. Melik-Stepanov, I.U. M. Sokhin, G.H. Trofimov. *Nauch. soob. IAFAN SSSR* no. 3: 47-49 '60.

Mitrofanov, S.I. [Studying the beneficiation properties of minerals] *Issledovanie poleznykh iskopayemykh na obogatimost'. Izd. 3., perer. i dop.* Moskva, Gosgortekhnizdat, 1962. 579 p.

New application of movable heavy media for the concentration of minerals having a specific gravity exceeding three. S.I. Mitrofanov and others. *Nauch. soob. IAFAN SSSR* no. 3:50-61 '60.

OREL—ARTISTS

Portray reality truthfully and vividly. I. Kruglyi, A. Kolmsk. *Part. zhizni'* no. 7:55-57 Ap '63.

OREL PROVINCE—COLLECTIVE FARMS

Land of their fathers. Kim Bakshil. *Ogonek* 40 no. 40: 15-16 N '62.

ORENBURG PROVINCE—ANTHROPOLOGY

Anthropological data on the ancient population of Orenburg Province. T.S. Konduktorova. *Vop. antr.* no. 11: 43-57 '62.

ORENBURG PROVINCE—TRUCK DRIVERS

A million kilometers behind the wheel. E. Sudakov. *Sov. potreb. koop.* 7 no. 4:14-15 Ap '63.

ORENBURG PROVINCE—WATER, UNDERGROUND

Characteristics of the formation of underground waters in the eastern regions of Orenburg Province. A.M. Cherniaev, L.E. Cherniaeva. *Sov. geol.* 6 no. 3:147-151 Mr '63.

ORES—SAMPLING AND ESTIMATION

Existing methods of determining the minimum commercial metal content of ores. A.E. Ergaliev, Z.K. Kar-gazhanov. *Trudy Alt. GMI AN Kazakh. SSR* 13:54-70 '62.

Experimental basis for reliable core sampling. S.A. Denisov. *Mat. GKZ* no. 2:83-95 '61.

Using beta backscattering in determining the effective atomic number and the concentration of heavy elements in powder samples of rocks and ores. E.E. Sozanskaya. *Sbor. st. MGION* no. 1:129-134 '62.

ORGANIC CHEMISTRY see Chemistry, Organic

ORGANIC COMPOUNDS

Gas chromatographic determination of nitrogen and oxygen in organic compounds. A.P. Terent'ev and others. *Dokl. AN SSSR* 148 no. 6:1316-1319 F '63.

ORGANIC MATTER

Significance of the bitumen content in organic matter for oil prospecting. V.F. Nikonov. *Trudy SNIIGGIMS* no. 26:146-150 '62.

ORIENTATION

Ultrasonic "projector." V. Bel'kovich, A. Iablokov. *Iun. tekhn.* 7 no. 3:76-77 Mr '63.

ORLOVSKII, BORIS IVANOVICH, 1792-1837

Shurygin, I.A. [Boris Ivanovich Orlovskii, 1792-1837. Leningrad, Tekhnostvo, 1962. 93 p. illus. (Zhivopis', skulptura, grafika) (CU)]

ORNITHOSIS see subdivision under Leningrad; Vyborg

ORSHA—ECONOMIC CONDITIONS

[Orsha; sketch on its history and economy] *Orsha; istoriko-ekonomicheskii ocherk.* Minsk, Gosizdat BSSR, 1962. 122 p.

ORSHA—HISTORY

[Orsha; sketch on its history and economy] *Orsha; istoriko-ekonomicheskii ocherk.* Minsk, Gosizdat BSSR, 1962. 122 p.

ORSK—WAGES—IRON AND STEEL WORKERS

Advises prompted by experience. A. Dolgikh. *Sois. trud* 8 no. 3:109-113 Mr '63.

ORSK REGION—BURIAL

Novo-Kumak burial ground near Orsk. M.G. Moshkova. *Mat. i issl. po arkheol. SSR* no. 115:204-241 '62.

ORTHODONTIA

Removal of teeth in the compound orthodontic treatment of bite anomalies. Z.F. Vasilievskaya, A.D. Mukhina. *Probl. stom.* 6:250-255 '62.

ORTHODOX EASTERN CHURCH

"Heritage of secular darkness; a critique of modern Russian orthodoxy" by V. Kolobkov. Reviewed by N. Filonenko. *Sov. Ukr.* 12 no. 12:175-176 D '62. [Russian Orthodox Church in the U.S.S.R.] *Russkaya Pravoslavnaya Tserkov' v SSSR; sbornik.* Munich, Izd-vo T'Sentr. ob'edineniia polit. emigrantov iz SSSR, 1962. 244 p.

ORTHODOX EASTERN CHURCH—CLERGY see subdivision under Latvia

ORTHOPTERA see subdivision under Siberia, Western

OSCILLATIONS

Resonance oscillation relaxation of a system of harmonic oscillators. E.E. Nikitin. *Dokl. AN SSSR* 149 no. 8: 1288-1301 F '63.

Second conference on nonlinear oscillations organized by the Polish and Czechoslovakian Academies of Sciences. I.U. A. Mitropol'skii. *Ukr. mat. zhur.* 5 no. 1:116-116 '63.

Simple demonstration of the composition of harmonic oscillations. B.Sh. Perkal'skii. *Usp. fiz. nauk* 73 no. 4:743 Ap '63.

OSCILLATORS, ELECTRIC

Radiation of an oscillator moving near a dielectric. L.G. Naryshkina. *Radiotekh. i elektron.* 8 no. 3:425-432 Mr '63.

OSCILLATORS, ELECTRON-TUBE

Brantenbrener, A.A. [Central wobulator for visual alignment of the IF of AM and FM channels of radio receivers] *Tsentralizovannyi generator kachestvennoi chasty dlia vizual'noi nastroiki AM i ChM traktor promyshlennoi chasty radioveshchatel'nykh premnikov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-114/16)

Contribution to the theory of a self-oscillator with parametrically coupled two degrees of freedom. I.U. V. Grigor'ev. *Radiotekh. i elektron.* 8 no. 3:500-510 Mr '63.

Distributed pulse generator. L.S. Bartenov. *Izv. vys. ucheb. zav. radiotekh.* 6 no. 1:86-88 Ja-F '63.

Khatakelevich, V.A. [Calculation of the operation of a photo modulator oscillator using new types of electron tubes] *Raschet rezhimov generatov pri anodnoi modulatsii na novykh lampakh.* Moskva, Gosenergoizdat, 1962. 109 p.

Notkin, L.R. [GI-2A-type pulse generator] *Generator impul'sov tipa GI-2A.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 39. No. P-58-2/1)

Vysheslavtsov, L.V., and V.M. Danyuseta. [Oscillators for the alignment of radio receivers] *Generatory dlia regulirovki radiopriemnikov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-4/2)

OSCILLATORS, TRANSISTOR

Frequency instability of high-frequency transistor self-oscillators. G.T. Shitikov. *Radiotekhnika* 18 no. 3: 54-64 Mr '63.

Inverse function generator using diode elements. L.F. Tolmashchuk, A.A. Tutlin. *Izv. vys. ucheb. zav. radiotekh.* 6 no. 1:24-32 Ja-F '63.

A tone generator for telegraph operators (from "Das Elektron," nos. 6 and 7 1962). *Radio* no. 12:55 D '62.

OSCILLOGRAPH

An electronic oscilloscope for automobile repair shops (from "Motor-Revizor," no. 4 1962). *Radio* no. 12:55-56 D '62.

OSMOSIS

Decrease in the peroxidase activity of human hemoglobin in the erythrocytes with reduced osmotic resistance. G.S. Kovrov, V.P. Markov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:214-219 '61.

OSSETIA, NORTH—MEDICINE—STUDY AND TEACHING

Efforts of the North Ossetian Republic Hospital to improve the qualifications of medical workers of the rural area. N.V. Murav'ev, L.I. Khestanova. *Zdrav. Ros. Feder.* 7 no. 3:32-35 Mr '63.

OSSETIA, NORTH—PUBLIC HEALTH, RURAL

Efforts of the North Ossetian Republic Hospital to improve the qualifications of medical workers of the rural area. N.V. Murav'ev, L.I. Khestanova. *Zdrav. Ros. Feder.* 7 no. 3:32-35 Mr '63.

OSSETIA, NORTH—SEDIMENTS (GEOLOGY)

Permian sediments of North Ossetia. I. U. G. Morgunov, V. I. Slavin. Dokl. AN SSSR 149 no. 2:392-394 Mr '63.

OSSETIA, NORTH—STONE AGE

New data on the Lower Paleolithic of North Ossetia. V. P. Lubin. Krat. soob. Inst. arkheol. no. 92:29-36 '62.

OSTEITIS FIBROSA

Fibrous osteodystrophy of the maxilla. S. V. Krut', A. N. Chkannikov. Vest. otorin. no. 4:99-100 '62.

OSTEOMYELITIS

Chronic odontogenic osteomyelitis of the jaw. S. N. Vaislat. Probl. stom. 6:209-213 '62.

Denticles in osteomyelitis of the jaw. G. I. Semenchenko. Probl. stom. 6:214-217 '62.

Observations on protracted osteomyelitis of the maxillo-facial region caused by a gunshot wound. D. L. Koryntnyl. Probl. stom. 6:218-222 '62.

OSTRACODA, FOSSIL see subdivision under Bashkirta; Turkmenistan; Ural Mountain region

OSTROVSKII, NIKOLAI ALEKSEEVICH, 1904-1936

Vladro, Sh. Ia. [Nikolai Ostrovskii and his readers] Mykola Ostrovs'kyi ta iohu chytachi. Kyiv, Radians'ka shkola, 1962, 158 p.

OTORHINOLARYNGOLOGY

Basic problems in scientific research in the field of occupational pathology of the ear, nose and throat. T. N. Mil'shtein. Vest. otorin. no. 4:9-17 '62.

OTORHINOLARYNGOLOGY—BIBLIOGRAPHY see Bibliography—Otorhinolaryngology

OTOSCLEROSIS

Anesthesia in operations on the stapes [with summary in English]. A. G. Likhachev, N. A. Preobrazhenskii, I. B. Ritzman. Vest. otorin. no. 4:43-50 '62.

OTTERS see subdivision under Uzbekistan

OUTER SPACE—EXPLORATION

"Advance in space science and technology." Reviewed by V. G. Kurt. Astron. zhur. 40 no. 2:302-303 Mr '63.

Kolchyn's'kiy, I. H. [Observatories in space] Observatorii v Kosmosi. Kyiv, Vyd-vo Akad. nauk URSR, 1962, 46 p. (Akademiia nauk Ukrain's'koi RSR, Seriya naukovo-populiarnoi literatury)

OVARIES

Infestation of black flies (Simuliidae, Diptera) with parasites and its effect on the function of ovaries [with summary in English]. N. K. Shiptalina. Zool. zhur. 42 no. 2:201-204 '63.

Ovarian regeneration in mammals. L. D. Liozner. Usp. sov. biol. 55 no. 1:118-119 Ja-F '63.

OVENS

Petroshkov, V. A., and B. Sh. Rohder. [Methods for measuring the steam content of bakery oven chambers] Metody izmereniia parosoderzhanii v kamerkakh khlebopekarnykh pecheli. Leningrad, 1962, 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, Obmen perezodnym opytom, Seriya: Khlebopekarnaya promyshlennost', no. 2)

Using the mathematical statistics method for determining the dynamic characteristics of a bakery oven. L. L. Rotkop, I. G. Liberman, A. A. Rivilla. Izv. vys. ucheb. zav. fizich. tekhn. no. 1:114-121 '63.

OWLS—FEEDS see subdivision under Poleday Valley

OXALIC ACID IN THE BODY

Intensification of the decarboxylation of oxalates in the rumen of ruminants in vitro [with summaries in English, German, and French]. V. A. Maksakov. Vest. sel'shoz. nauk 7 no. 12:66-67 D '62.

OXAZOLE

Photoluminescent and scintillation properties of certain oxazole derivatives in polystyrene. L. L. Nagornain, V. D. Bezuglyi, N. P. Demchenko. Opt. i spekt. 13 no. 4:516-521 O '62.

OXAZOLINONE

4-Thiazolidinecarboxylic acid and its derivatives. Part 10: Transformations of 4-chloro- and 4-amino-methyl-2-phenyl-5-oxazolinanes. I. T. Strukov, I. U. V. Zhdanovich. Zhur. ob. khim. 33 no. 3:910-917 Mr '63.

OXIDATION

Autooxidation of phenylcyclohexene. G. A. Razuvaev, B. G. Zateev. Zhur. ob. khim. 33 no. 3:861-863 Mr '63.

Effect of an oxidizing medium and changes in stress and creep and stress-rupture strength in iron, titanium and carbon steel. K. A. Osipov, A. L. Solnichenko. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:181-185 Ja-F '63.

Formation of free radicals in the system RH+O₂. Part I: Tetralin, cyclohexanol, cyclohexanone. E. T. Denisov. Kin. i kat. 4 no. 1:53-59 Ja-F '63.

Investigating the oxidation of niobium-zirconium alloys D. A. Prokoshkin, E. V. Vasileva, V. Ia. Iamshkevich. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo no. 1:186-190 Ja-F '63.

Oxidation of monomethyl-substituted paraffin hydrocarbons in the liquid phase in the presence of boric acid. A. N. Bashkurov, E. M. Shaikhutdinov, L. A. Giliarovskaia. Dokl. AN SSSR 148 no. 6:1309-1311 F '63.

Part played by reaction products in the mechanism of n-decane oxidation. Z. K. Maizus, L. G. Privalova. Izv. AN SSSR, Otd. khim. nauk no. 4:628-633 Ap '63.

Reactivity of isomeric decanols, the intermediate products of n-decane oxidation. I. P. Skibida, Z. I. Kulitskii, Z. K. Maizus. Dokl. AN SSSR 148 no. 6:1358-1360 F '63.

OXIDATION, ELECTROLYTIC

Anodic oxidation of aluminum-copper alloys in sulfuric acid. M. N. Tiukina and others. Zhur. prikl. khim. 36 no. 2:338-344 F '63.

Effect of fluorine ions on the anode solution of indium amalgam and certain regularities in electrode processes involving complexes. V. V. Losov, A. I. Molodov. Dokl. AN SSSR 148 no. 5:1114-1117 F '63.

OXIDATION, PHYSIOLOGICAL

Biogenic oxidation of sulfur from Rozdol ore under laboratory conditions [with summary in English]. G. A. Sokolova, G. I. Karavanko. Mikrobiologiya 31 no. 6: 984-980 N-D '62.

OXIDATION-REDUCTION REACTION

Effect of the ligand field on the redox properties of transition metal compounds. K. B. IATamirskii. Zhur. neorg. khim. 8 no. 4:876-881 Ap '63.

Reduction of some elements by a redox polymer. A. V. Gordievskii, E. V. Renard. Zhur. prikl. khim. 36 no. 2:264-272 F '63.

OXIDES

Electrode behavior of sodium silicate glasses containing oxides of the elements of principal subgroups of the groups IV and V of the periodic system [with summary in English]. A. A. Belinstin, M. M. Shults. Vest. LGU 18 no. 4:149-155 '63.

Electrode properties and chemical stability of a number of multicomponent lithium silicate glasses [with summary in English]. A. I. Parfenov and others. Vest. LGU 18 no. 4:162-166 '63.

Electrode properties of glasses of the system of oxides Li₂O - CaO - La₂O₃ - SiO₂ [with summary in English]. M. M. Shults and others. Vest. LGU 18 no. 4:155-160 '63.

Silicates and oxides in high-temperature chemistry; a conference in Leningrad. N. A. Toropov, V. B. Glazhkova. Vest. AN SSSR 33 no. 3:134-135 Mr '63.

OXIMES

Interaction of nitrosyl chloride with unsaturated hydrocarbons. Part 7: Conversion of nitrosyl chlorides of olefins to oximes of α -chloro aldehydes and α -chloro ketones brought about by the action of hydrogen chloride. K. A. Ogloblin, V. P. Semenov, V. I. Skoblikova. Zhur. ob. khim. 33 no. 3:888-896 Mr '63.

OXYGEN

Effect of oxygen on the binding of dyes by proteins during irradiation. T. E. Pavlovskaya, A. G. Pasynskii. Dokl. AN SSSR 149 no. 4:976-978 Ap '63.

Investigation of the reaction of oxygen with activated carbon by the method of contact potential difference. L. A. Fokina, N. A. Shumovskaya, R. Kh. Barshtein. Kin. i kat. 4 no. 1:143-148 Ja-F '63.

Reaction rate constants and the mechanism of reactions of oxygen atoms with methane and ethane. L. I. Avramenko, H. V. Kolosnikov, N. L. Kuznetsova. Izv. AN SSSR, Otd. khim. nauk no. 4:620-627 Ap '63.

OXYGEN—ANALYSIS

Gas chromatographic determination of nitrogen and oxygen in organic compounds. A. P. Terent'ev and others. Dokl. AN SSSR 148 no. 6:1310-1319 F '63.

OXYGEN—INDUSTRIAL APPLICATIONS

Davydov, N. I. [Assembly and adjustment of oxygen plants in metallurgical enterprises] Montazh i naladka kislorodnykh ustanovok metallurgicheskikh predpriatii. Moskva, Metallurgizdat, 1963, 247 p.

Youth of a converter. B. Fomin. Znanie-sila 38 no. 1:19-20 Ja '63.

OXYGEN ISOTOPES—SPECTRA

Feasibility of determining oxygen in metals by the isotope spectrum method [with summary in English]. A. N. Zaidel', G. S. Lazeeva, A. A. Petrov. Vest. LGU 18 no. 4:55-59 '63.

OXYGEN WELDING AND CUTTING see Gas welding and cutting

OYSTERS, FOSSIL see subdivision under Tajik Depression

OZOCERITE

Life in a meteorite. F. Zigel'. Ogonek 40 no. 47:28-29 N '62.

PACIFIC AREA—ORE DEPOSITS

Characteristics of the development of the Pacific ore belt. E. A. Radkevich. Geol. i geofiz. no. 11:14-23 '62.

Characteristics of the metallogeny of various types of ore-bearing areas and zones in the Pacific ore belt. E. A. Radkevich. Geol. i geofiz. no. 12:10-21 '62.

PACIFIC OCEAN—SQUIDS

Technological and chemical characteristics of the squid *Onmastrephes sloani pacificus* S. P. I. Levnikov. Ryb. khoz. 39 no. 3:56-59 '63.

PACKAGING see subdivision under United States

PACKED TOWERS

Design and construction of perforated plates. I. A. Aleksandrov. Spirt, prom. 20 no. 2:17-23 '63.

Modeling of the processes of chemisorption in packed columns. V. A. Reutskii, V. V. Kafarov. Khim. prom. no. 1:52-59 Ja '63.

PACKING (MECHANICAL ENGINEERING)

Self-lubricating inclined packings of rotating joints. E. M. Petrov. Sudostroenie 29 no. 1:68-69 Ja '63.

PACKING FOR SHIPMENT

Basic parameters of freight packages and container sets. A. B. Drannikov. Avt. prom. 26 no. 8:1-4 Ag '62.

Kruchkova, L. A. [Wrapping and packaging of vacuum and transistor devices] Tara i upakovka elektro-vakuumnykh i poluprovodnikovyykh priborov. Leningrad, 1962. (Leningradskii dom nauchno-tekhnicheskoi propagandy, Seriya: Tara i upakovka)

PADDLE WHEELS

Paddle wheel. S. A. Voloskov. Sbor. izobr. v ryb. prom. za 1959 g. :118-119.

Wave deflector for paddle wheels. N. F. Mokeev. Sbor. izobr. v ryb. prom. za 1959 g. :120-121.

PAINTING

Paintbrush that creates the world. D. Horbachov. Znan. ta pratsia no. 1:22-23 Ja '63.

PAINTING—BIBLIOGRAPHY see Bibliography—Painting

PAINTING, INDUSTRIAL

Dobrovolskii, G. N. [Concise handbook for the painter] Kratki spravochnik maliara-ni'freschika. Kiev, Gosstroizdat, 1962, 292 p.

Petrov, L. L. [Semiautomatic devices for the two-coat painting of parts in an electric field with subsequent drying in a thermoradiation drying chamber] Polunvomat dlia dvukhsloinoi okraski detal' v elektrostati - cheskom pole s posledutsheshoi sushkoj v vertikal'noi termoradiatsionnoi sushil'noi kamere. Leningrad, 1961, 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, Obmen perezodnym opytom, Seriya: Zashchitnye pokrytiia, no. 11)

PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po khimii. [Album of apparatus and equipment for industrial painting shops] Al'bom oborudovaniia i apparatury okrasochnykh tsokhov. Moskva, Goskhimizdat, 1962, 323 p.

Unit for painting facades of buildings. Stroitel' 9 no. 3:Inserit; 4 p. Mr '63.

PAINTINGS—CONSERVATION AND RESTORATION

(see also subdivision under Pencilwork)

Activities of the Laboratory for Restoration of Wall Paintings. O. F. Plushch. Soob. VTSNILKR no. 1: 43-47 '60.

Application of solvents. G. N. Tomashevich. Soob. VTSNILKR no. 1:47-54 '60.

Application of synthetic resins in restoring monumental paintings and other items for museum display. E. G. Sheinina. Soob. VTSNILKR no. 1:62-74 '60.

Comparative data on the plasticity of animal glues used in the restoration practice of the State Central Art Restoration Studio. E. V. Sorokina. Soob. VTSNILKR no. 1:36-42 '60.

Excerpts from reports by Prof. Wehite published in the periodical "Maltechnik," no. 1, 1957. Soob. VTSNILKR no. 4:88-89 '61.

Removal of drying oil and applications of oil paints from tempera paintings. I. L. Nogid, A. E. Malova. Soob. VTSNILKR no. 1:18-24 '60.

Wax rolling of paintings on a vacuum hot table. A. V. Vinnor. Soob. VTSNILKR no. 4:10-23 '61.

Work of restoration. V. Filatov. Iskustvo 28 no. 1: 64-65 '63.

PAINTINGS—EXHIBITIONS

New subjects and timely problems. V. Kashtan. Ukraina no. 2:7 Ja '63.

PAINTINGS—EXPERTISING

Analyzing paintings with various light rays. S. M. Solov'ev. Soob. VTSNILKR no. 1:11-19 '60.

Cross sections of paint samples as a new method of determining original authorship of paintings and later applications of paint. A. V. Vinnor. Soob. VTSNILKR no. 4:5-9 '61.

Photographing monuments of art and culture in reflected infrared rays. L. V. Siverskov. Soob. VTSNILKR no. 1: 6-10 '60.

PAINTINGS, ITALIAN

Belongs to humanity. Pavel Korin. Ogonek 41 no. 12: 10-17 Mr '63.

PALATE, CLEFT see Cleft palate

- PALEOBOTANY** see subdivision under Kherson Province; Lvov-Volyn' Basin
- PALEOBOTANY—QUATERNARY** (see also subdivision under Chusovaya Valley)
From works on the determination of wood and coal found in archaeological excavations. N. G. Blokhina, G. N. Lisitsyna, Krat. soob. Inst. arkheol. no. 92:100-102 '62.
- PALEOGEOGRAPHY** see subdivision under Kerch Basin; Kolyma Valley; West Siberian Plain
- PALEOGEOGRAPHY—MAPS** see subdivision under Siberia
- PALEONTOLOGY, STRATIGRAPHIC** see subdivision under Berezhovo region (Tyumen' Province); Tien Shan; Ural Mountain region
- PALLADIUM—ANALYSIS**
Rapid determination of palladium after its separation from base metals by the ion exchange method (with summary in English). R. L. Shebekochikhina, R. K. Motorkina, Zhur. anal. khim. 17 no. 5:604-606 Ag '62.
- PALLADIUM COMPOUNDS**
Reaction of chlorine with palladium and platinum aminates. IU. N. Kukushkin, Zhur. neorg. khim. 8 no. 4: 817-822 Ap '63.
Spectrophotometric study of the interaction of palladium ions with potassium thiocyanate (with summary in English). V. I. Shlenskaya, V. P. Khvostova, V. M. Peshkova, Zhur. anal. khim. 17 no. 5:598-603 Ag '62.
- PALYNOLOGY** see subdivision under Vilyuy Lowland
- PAMIRS—GEOLOGY, STRATIGRAPHIC**
Bartang complex. V. I. Dronov, Sov. geol. 8 no. 3:142-147 Mr '63.
- PANCH, PETRO, 1891-**
Evolution of a style. A. O. Kovtunenka, Rad. lit. 7 no. 1:16-26 Ja-F '63.
- PANCREAS—SECRETIONS**
Endocrine function of the pancreas in chronic colitis. K. N. Kazimova, Vop. biol. i kraev. med. no. 3:212-215 '62.
- PANEL HEATING** see Radiant heating
- PAPER**
Plastics in the manufacture of packaging paper carton-board (from "Packaging," no. 377, 1961). Bum. prom. 38 no. 3:31 Mr '63.
- PAPER—ELECTRIC PROPERTIES**
Effect of mineral salts on the dielectric properties of cable paper. A. I. Boborov and others, Bum. prom. 38 no. 3:11-14 Mr '63.
- PAPER CHROMATOGRAPHY**
Paper for chromatography. N. V. Rukhlin, V. M. Khanina, O. K. Ivina, Bum. prom. 38 no. 3:26-28 Mr '63.
Using the paper chromatography method for the quantitative determining of sugars in pentose and hexose hydrolyzates. O. B. Krajsnikii, D. N. Latasova, I. F. Rudomanova, Izv. vys. ucheb. zav. spishch. tekhn. no. 1: 149-152 '63.
- PAPER ELECTROPHORESIS**
Electrophoretic investigation of the proteins of blood serum in mammals, mainly in rodents (with summary in English). I. A. Denisova, S. IU. Balakireva, Zool. zhur. 42 no. 2:268-273 '63.
- PAPER INDUSTRY** (see also subdivision under Kherson)
Paper for chromatography. N. V. Rukhlin, V. M. Khanina, O. K. Ivina, Bum. prom. 38 no. 3:26-28 Mr '63.
Workers of the paper industry speak. Poligr. proizv. no. 2:10-11 F '63.
- PAPER INDUSTRY—AUDITING AND INSPECTION** see subdivision under Kondrovo (Kaluga Province)
- PAPER INDUSTRY—EQUIPMENT AND SUPPLIES**
In the Scientific Council for "The over-all utilization and reproduction of forest resources and other than wood vegetable raw materials." Ways for the most efficient use of soluble bases in the sulfite pulp industry. Bum. prom. 38 no. 3:2-4 of insert Mr '63.
- PAPER INDUSTRY—FIRES AND FIRE PREVENTION**
Maksimov, V. F., [Fundamentals of safety and fire prevention engineering in the woodpulp and paper industry] Osnovy tekhniki bezopasnosti i protivopozharnoi tekhniki v tsellulozno-bumazhnoi promyshlennosti. Moskva, Goslesbumizdat, 1962, 504 p.
- PAPER INDUSTRY—LABOR PRODUCTIVITY** see subdivision under Mari A.S.S.R.; Serpukhov
- PAPER INDUSTRY—SAFETY MEASURES**
Improvement of the working conditions in factories is an important task of the representatives of the paper industry. I. A. Shishov, Bum. prom. 38 no. 3:28-30 Mr '63.
- PAPER INDUSTRY—TECHNOLOGICAL INNOVATIONS** see subdivision under Serpukhov
- PAPER INDUSTRY WORKERS** see subdivision under Hungary
- PAPER PRODUCTS**
Moscow, Tsentral'nyi institut nauchno-tekhnicheskoi informatsii bumazhnoi i derevobrabatyvalushchei promyshlennosti. [Catalog-handbook; paper, paper-board, woodpulp, paper products] Katalog-spravochnik; bumaga, karton, tselluloza, izdeliia iz bumagi. Moskva, 1962, 285 p. [MICROFILM]
- PAPERBOARD**
Moscow, Tsentral'nyi institut nauchno-tekhnicheskoi informatsii bumazhnoi i derevobrabatyvalushchei promyshlennosti. [Catalog-handbook; paper, paper-board, woodpulp, paper products] Katalog-spravochnik; bumaga, karton, tselluloza, izdeliia iz bumagi. Moskva, 1962, 285 p. [MICROFILM]
Waterproof corrugated paperboard roofing made from paper stock. N. P. Safonov, Bum. prom. 38 no. 3: 24-25 Mr '63.
- PAPERMAKING MACHINERY**
Efficient utilization of compressed air systems in paper factories. S. A. Aizenberg, Bum. prom. 38 no. 3: 14-16 Mr '63.
"Stonite" coated rollers in the paper industry. V. P. Bykov, Bum. prom. 38 no. 3:21-23 Mr '63.
- PAPERMAKING MACHINERY—ABSTRACTS**
[Technology and equipment of the papermaking and printing industry] Ref. zhur. Tekh. i obor. bumagodel. i poligr. proizv. no. 4 Ap '63.
- PAPERMAKING MACHINERY—ELECTRIC DRIVING**
Discussing the problems in the designing of electric drives for high-speed papermaking machines. Bum. prom. 38 no. 3:30 Mr '63.
- PARACHUTISTS**
Parachutists. I. Iroshtukova, Ogonek 40 no. 48:12-14 N '62.
The sky is high again. Vladimir Zakharov, Smena 30 no. 22:10-11 N '62.
- PARAFFIN WAX**
Whirling rabbits. G. V. Belikova, Neftianik 7 no. 7:23 Ji '62.
- PARAFFINS**
Oxidation of monomethyl-substituted paraffin hydrocarbons in the liquid phase in the presence of boric acid. A. N. Bashkurov, E. M. Shaikhutdinov, L. A. Giliarovskaya, Dokl. AN SSSR 148 no. 6:1308-1311 F '63.
Reaction rate constants and the mechanism of reactions of oxygen atoms with methane and ethane. L. I. Avramenko, R. V. Kolesnikova, N. L. Kuznetsova, Izv. AN SSSR, Otd. khim. nauk no. 4:820-827 Ap '63.
- PARAFFINS—SPECTRA**
On the theory "crystalline" bands in polyethylene and long-chain normal paraffins. IU. A. Gotlib, L. V. Kubinskaya, Opt. i spekt. 13 no. 4:591-593 O '62.
- PARAMAGNETIC RESONANCE AND RELAXATION**
Effect of electric quadrupole induction in electron resonance. A. R. Kessel', A. K. Morozova, Zhur. eksp. i teor. fiz. 44 no. 3:1113-1115 Mr '63.
Electric conductivity and electron paramagnetic resonance signal in polymeric materials built up of molecules with conjugate double bonds. V. G. Levich, V. S. Markin, IU. G. Chirkov, Dokl. AN SSSR 149 no. 4:894-896 Ap '63.
Electron paramagnetic resonance in free radicals of biological systems [with summaries in English, German and French]. A. I. Mochalkin, G. R. Rik. Vest. sel'khoz. nauk 7 no. 12:134-138 D '62.
Electron paramagnetic resonance spectrum and spin-lattice relaxation of chromium and iron ions in zinc tungstate single crystals [with summary in English]. E. N. Emel'ianova and others, Zhur. eksp. i teor. fiz. 44 no. 3:868-869 Mr '63.
Method of electronic paramagnetic resonance and its use in biology. A. I. Mochalkin, G. R. Rik. Sbor. trud. po agron. fiz. no. 10:247-255 '62.
- PARAMECIUM**
Effect of injurious factors on Paramecium caudatum in relation to the density of its population. V. M. Gorski, TSitologiya 4 no. 3:353-358 My-Je '62.
Effect of the temperature of cultivation on the sensitivity of Infusoria to the damaging action of X rays. N. E. Kovaleva, TSitologiya 4 no. 3:308-317 My-Je '62.
- PARAMETRIC AMPLIFIERS**
Noises of parametric ferrite amplifiers and microwaves oscillation converters using frequencies higher than the pumping frequency. IA. A. Monosov, V. I. Zubkov, Radiotekh. i elektron. 8 no. 3:533-535 Mr '63.
- PARANOIA**
Diagnostic difficulties in the expertise on alcoholic paranoias. V. V. Anuchin, Prak. sudobnopsikh. ekspert. no. 7:42-49 '62.
- PARASITES—BLACK FLIES** see subdivision under Krasnoyarsk region
- PARASITES—BREAM** see subdivision under Volga Delta
- PARASITES—CARP** see subdivision under Volga Delta
- PARASITES—CATTLE** see subdivision under Tashkent Province
- PARASITES—DOMESTIC ANIMALS** see subdivision under Rovno Province
- PARASITES—EURYGASTERS**
New synonyms for species of the genera Asolcus Nak., Gryon Hal., and Telenomus Hal. (Hymenoptera, Scelionidae), egg-parasites of Eurygaster integriceps Put. [with summary in English]. M. A. Kozlov, Zool. zhur. 42 no. 2:294-296 '63.
- PARASYMPATHOMIMETICS**
Mechanism of the action of cholinergic substances introduced into the brain ventricles. G. N. Kassil', L. P. Latash, E. M. Rutman, Dokl. AN SSSR 149 no. 2:464-467 Mr '63.
- PARATYPHOID FEVER**
Comparative effectiveness of different methods of treatment of typhoid and paratyphoid diseases. K. T. Tishchenko, Trudy Kish. gos. med. inst. 13:93-98 '60.
- PARENT AND CHILD**
About Man with a capital letter. A. Nizova, Sem'ia i shkola 18 no. 3:10-12 Mr '63.
Actually and legally. A. Vaksberg, Sem'ia i shkola 18 no. 3:28-29 Mr '63.
Editor's mail. S. Nokhrin, N. Shemetovskaya, Sem'ia i shkola 18 no. 3:27 Mr '63.
How the "Book for parents" was created. V. Gmurman, Sem'ia i shkola 18 no. 3:13-15 Mr '63.
We are responsible for our children. A. Kesheva, Sem'ia i shkola 18 no. 3:31-32 Mr '63.
- PARIS—COMMUNE, 1871**
"The Commune in the Quartier Latin" [in French] by M. Choury. Reviewed by IA. I. Drazninas, Vop. ist. 38 no. 3:174-176 Mr '63.
- PARIS—DESCRIPTION**
Bartenev, I. A. [Paris] Parizh, Leningrad, Osvobodivshiesya stranami polit. i nauchn. znaniy RSFSR, 1962, 65 p. (Arkhitektura gorodov mira)
Sytnin, V. [Just a little bit of Paris; sketches] Sovsem nemnogo Parizha; ocherki. Moskva, Sovetskii pisatel', 1962, 169 p.
- PARIS—TRADE UNIONS**
What is a women's committee. B. Z. Vsem. prof. dvizh. no. 1:43-46 Ja '63.
- PARIS—WOMEN—EMPLOYMENT**
What is a women's committee. B. Z. Vsem. prof. dvizh. no. 1:43-46 Ja '63.
- PARNU—VIEWS**
Grodinski, F., and others, Pärnu, Tallinn, Eesti Riiklik Kirjastus, 1962, 7 p. illus. [In Estonian]
[Paralleltitles in Russian, German, and English].
- PAROTID GLANDS**
Age-related changes in the nitrogen content of the parotid gland saliva. R. P. Podorozhnaia, T. I. Sapogovskaya, Probl. stom. 6:60-72 '62.
Study of the total protein content in the cytoplasm and the nuclei of acinar cells during the process of the secretory cycle of the parotid gland. N. V. Nechaev, Dokl. AN SSSR 148 no. 5:1192-1195 F '63.
- PARSON, TALCOTT, 1902-**
Present-day American capitalism and T. Parsons' "Theory of social action" [with summary in English, p. 135]. N. V. Novikov, Vop. filos. 17 no. 3:118-120 '63.
- PARTICLE ACCELERATORS**
Use of a 0.5 Mev. microtron for electron injection into a synchrotron. K. A. Belovintsev and others, Atom. energ. 14 no. 4:359-363 Ap '63.
- PARTICLE ACCELERATORS—DESIGN AND CONSTRUCTION**
The buildings, foundations and protective installations of an accelerator with rigid focusing for an energy of 7.0 Gev. A. N. Komarovskii and others, Prem. stroit. 41 no. 2:31-34 F '63.
- PARTICLE SIZE DETERMINATION**
Effect of some factors on the yield of polymers and on their granulometric composition in the suspension polymerization of divinylbenzenes. M. F. Nagiev and others, Azerb. khim. zhur. no. 2:71-79 '62.
- PARTICLE TRACK PHOTOGRAPHY** see Photography, Particle track
- PARTICLES (NUCLEAR PHYSICS)**
Axiomatic theory of the symmetry characteristics of elementary particles [with summary in English]. IU. V. Novozhilov, Vest. LGU 18 no. 4:7-14 '63.
Interaction between fast particles and low-frequency plasma oscillations [with summary in English]. V. N. Tsytoich, Zhur. eksp. i teor. fiz. 44 no. 3:846-856 Mr '63.

PARTICLES (NUCLEAR PHYSICS) (Continued)

- Lonsadze, Iu. M.** [Theoretical introduction to the group concept in the theory of elementary particles] Teoretiko-grupповое vvedenie v teoriyu elementarnykh chastits, Moskva, Vysshaya shkola, 1962, 181 p. Nonasymmetric ultraviolet asymptotic expressions for higher Green functions in renormalized theory [with summary in English]. I. F. Ginsburg, Zhur. eksp. i teor. fiz. 44 no. 3:894-898 Mr '63.
- Scouts of a "strange world." Oleg Pisarshevskii, Ogonek 41 no. 9:27-29 F '63.
- Solution of the problem of the motion of interacting particles of like charge in a "magnetic bottle" using an electronic computer. S. P. Lomnev, Dokl. AN SSSR 148 no. 5:1049-1052 F '63.
- Vesennaya shkola teoreticheskoi i eksperimental'noi fiziki. 2. sessiya, Nor-Amford, 1962.** [Problems in the physics of elementary particles] Voprosy fiziki elementarnykh chastits; teksty, prochitaniye na 2. sessii... Pod obshchey red. A. I. Alikhanova, Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962.

PARTURITION see Labor (Obstetrics)

PASQUEFLOWER

- (see also subdivision under Tashkent)
- Study of the lactones of the large pasqueflower (Pulsatilla grandis Wenderoth). M. I. Kurylenko, Farmatsev. zhur. 17 no. 4:27-32 '62.

PASSIVATION

- Depassivating action of halogen ions on iron-based alloys. I. A. M. Kolotyrkin, G. V. Golovina, G. M. Florianovich, Dokl. AN SSSR 148 no. 5:1105-1109 F '63.
- Effect of some organic substances on the corrosion rate of metals in sulfuric acid. I. A. Levin, E. M. Solomon, Khim. prom. no. 1:69-70 Ja '63.
- Experimental and theoretical basis for the anodic protection of metals from corrosion in aggressive media... I. A. M. Kolotyrkin, V. M. Kizheva, Khim. prom. no. 1:40-47 Ja '63.

PASTURES AND MEADOWS see subdivision under Kiev Province; Kobay District; Moscow Province

PATENT LAWS AND LEGISLATION

- Legal mysteries. Izobr. i rats. no. 1:32-33 '63.

PATHOLOGY—ABSTRACTS

- [General problems of pathology, Oncology] Ref. zhur.: Ob. vop. pat. Onk. nos. 5, 7-8 Mr-Apr '63.

PATHOLOGY, CELLULAR

- Hypothesis of the regressive evolution of tumor cells. Iu. M. Olenov, TSitologiya 4 no. 3:251-263 My-Je '62.

PATTERNMAKING

- Large patterns of frame structures. N. A. Bulychev and others. Lit. proizv. no. 1:6-8 Ja '63.
- Multilayer coatings on wax patterns. A. P. Kartsev, Lit. proizv. no. 5:37 My '62.

PAVEMENTS

- Pavements as discrete mediums. K. S. Terenetski, Izv. vuz. ucheb. zav. i stroit. i arkhit. 6 no. 1:49-53 '63.
- Sokolov, V. G.** [Improving the operating qualities of asphalt-concrete pavements] Povyshenie eksploatatsionnykh kachestv asfal'tobetonnykh pokrytiy, Kiev, Gosstroizdat, 1962, 84 p.

PAVEMENTS, CONCRETE

- Pinus, E. R., and A. M. Radin.** [Cement concrete] Tsementobeton, Moskva, Avtotransizdat, 1962, 59 p. (V pomoshch' rabochemu dorozhniku)

PAVLODAR PROVINCE—EROSION

- Classifying and mapping deflated soils [with summary in English]. A. F. Rodomakin, Pochvovedenie no. 2:86-90 F '62.

PAVLODAR PROVINCE—SOIL CONDITIONERS

- Structure-forming effect of polyacrylamide in sandy-loam soils in Pavlodar Province, Virgin Territory. E. D. Kuz'mina, Sbor. trud. po agron. fiz. no. 10:107-200 '62.

PAVLODAR PROVINCE—SOILS

- Classifying and mapping deflated soils [with summary in English]. A. F. Rodomakin, Pochvovedenie no. 2:86-90 F '62.

PAVLOV, MIKHAIL ALEKSANDROVICH, 1863-1958

- Distinguished scientist-metallurgist Academician M. A. Pavlov; on the 100th anniversary of his birth, Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo no. 1:2-5 Ja-F '63.

PAVLOV-SIL'VANSKII, NIKOLAI PAVLOVICH, 1860-1908

- N. P. Pavlov-Sil'vanskii's introductory lecture. S. N. Vainik, Trudy LOI AN SSSR no. 5:617-628 '63.

PAVLOVSK—CITY PLANNING

- Park city: a general plan for the development of Pavlovsk, Stroit. i arkhit. Len. 24 no. 1:35 Ja '62.

PAVLYCHKO, DMYTRO

- "Bough of a palm tree" by Dmytro Pavlychko. Reviewed by Ivan Zub, Sov. Ukr. 13 no. 2:175-179 F '63.

PAVLYK, MYKHAILO, 1853-1915

- "Sociopolitical and philosophical views of M. Pavlyk" by P. T. Manzenko. Reviewed by I. I. Bass, Rad. lit. 7 no. 1:142-143 Ja-F '63.

PAYMENT see subdivision under Chelyabinsk Province; Kuybyshev; Leningrad

PEACE

- Akademika nauk SSSR, Institut narodov Azii.** [How the peoples of Asia have struggled for peace, 1945-1961] Bor'ba narodov Azii za mir, 1945-1961, Moskva, Izd-vo vostochnoi lit-ry, 1962, 243 p. Let's struggle and triumph! Sov. Soluz. no. 4:53 '63. Message to peoples of the entire world from the Universal Congress for Disarmament and Peace. Brat. vest. no. 5:65-6 '62.
- Nedalkov, I. P.** [In the interest of peace; significance of the conquest of space for the establishment of peace] V interesakh myru; pro znacheniya zavoluvannia kosmosu dlia spravy myru, Kyiv, Derzhpolityvydav URSR, 1962, 80 p. A professor from Santiago, Mikhail Kotov, Rabotnitsa 40 no. 6:9 Je '62.
- Resolution adopted by the Assembly of the Union of Baptists of Great Britain and Ireland in May 1962 in London. Brat. vest. no. 5:6:17 '62.

PEACE—CONGRESSES

- Communiqué of the meeting of representatives of various confessions, members of the Universal Congress for Disarmament and Peace, at the Troitse-Sergieva Monastery in Zagorsk, July 13, 1962. Brat. vest. no. 5:6:7-8 '62.
- Communiqué of the working committee of the Christian Peace Conference approved in Moscow September 17, 1962. Brat. vest. no. 5:6:8-11 '62.
- Inextinguishable torch of humanism. Sov. Kras. krest 12 no. 5:1-3 S-O '62.

PEACE—SOCIETIES, ETC.

- Address, Peace Fund, Mikhail Kotov, Sov. Soluz. no. 4: 32 '63.

PEACH BREEDING see subdivision under Donetsk Basin

PEAS see subdivision under Bershadt District; Kurganinsk District

PEAS—VARIETIES

- Studying some pea varieties for the canning industry. A. Mikhov, Kh. Manuclian, A. Kovachev, Kons. i ov. prom. 16 no. 3:35-37 Mr '63.

PEAS, DRIED see subdivision under Zadonsk

PEASANT UPRISINGS see subdivision under Aparan region; Carpathian Mountain region

PEASANTRY

- (see also subdivision under Armenia; Czechoslovakia; Italy)
- Term "boyli" in the historical sources of the 17th century; based on the archival materials of the Kirillo-Belozerskii Monastery. A. Kh. Gorfunkel, Trudy LOI AN SSSR no. 5:640-647 '63.

PEASANTS IN ART

- On "simple nature" and "refined nature"; peasant images in paintings by A. G. Venetsianov. M. Alpatov, Iskusstvo 20 no. 1:52-57 '63.

PEAT

- Application of the theory of percolation consolidation to peat. A. A. Tkachenko, Osn. i fund. i mekhl. gran. 5 no. 2:12-14 '63.
- Effectiveness of applying peat-ammoniac fertilizers to potatoes. Sh. I. Lytvak, Vsiykh sl'posp. nauky 8 no. 2:97-98 F '63.
- Nature of changes in the composition of organic substances of peats as related to the degree of their decomposition and type [with summary in English]. M. N. Nikonov, S. I. Perlin, Pochvovedenie no. 3:77-82 Mr '63.
- Pile foundations in open peat. N. N. Morareskul, Sbor. nauch. trud. LSI no. 37:115-120 '62.

PEAT MACHINERY

- [Peat machines; their theory, calculation, and design] Torfanye mashiny; teoriya, raschet i konstruirovaniye. [By] S. G. Solopov i dr. Moskva, Vysshaya shkola, 1962, 353 p.

PEAT SOILS

- Vinokurov, F. P., and others.** [Structural properties of peat soils] Stroitel'nye svoystva torfiannykh gruntov. Pod red. N. A. Tsylovicha i F. P. Vinokurova. Minsk, Izd-vo Akad. nauk BSSR, 1962, 282 p.

PECHERSKY MONASTERY

- Stepanov, P. Ia., and M. F. Troianova'skiy.** [Behind sacred walls] Za svyatyimi muramy. [Kyiv] Kyiv's'ke obl. knyzhkovno-gazetne vyd-vo, 1962, 70 p.

PECHORA VALLEY—STONE AGE

- A new site in the Pechora Arctic Region. N. P. Pliadyshev, L. P. Kholobystin, Kras. soob. Inst. arkheol. no. 52:71-75 '62.

PEDDLERS AND PEDDLING see subdivision under Kuban; Stavropol Territory

PEDDLERS AND PEDDLING—AUDITING AND INSTRUCTION

- Peddlers' sales should be under strict control. V. Privezentsev, Sov. torg. 36 no. 3:35 Mr '63.

PEDIATRICS

- For children's health. Iu. F. Dombrovskaya, Kul't. i zhizn' 6 no. 12:11-15 '62.
- Tur, A. F., ed.** [Problems of pediatrics] Problemy pediatrii, Leningrad, Medgiz, 1963, 358 p. (DNLM)

PEGMATITES

- Characteristics of the distribution of rare alkali metals in chambered pegmatites as a possible criterion of prospecting for optical fluorite and plezoquartz. E. D. Kalita, Sov. geol. 6 no. 3:82-93 Mr '63.

PELEDUY VALLEY—OWLS—FEELS

- Some characteristics of feeding owl in the Peleduy basin (southwestern Yakutia). O. V. Egorov, V. I. Perfil'ev, Nauch. soob. IAFAN SSSR no. 2:57-61 '63.

PENDULUM

- Study of the vibrations of a Froude-Zhukovskii pendulum allowing for Coulomb friction forces. V. A. Tabueva, Sib. mai. zhur. 4 no. 2:377-380 Mr-Apr '63.

PENDZHIKENT—MURAL PAINTING AND DECORATION

- Removal of salts from wall paintings in ancient Pendzhikent by electrolysis. P. I. Kostrov, I. L. Nogid, Soob. VTSNILKR no. 1:54-61 '60.

PENDZHIKENT—PAINTINGS—CONSERVATION AND RESTORATION

- Removal of salts from wall paintings in ancient Pendzhikent by electrolysis. P. I. Kostrov, I. L. Nogid, Soob. VTSNILKR no. 1:54-61 '60.

PENICILLIN

- Anti-inflammatory effect of penicillin in anaphylactic keratoconjunctivitis. B. I. Vainshtein, Zdrav. Turk. 2 no. 6:17-21 N-D '60.
- Synthesis of high-molecular weight amides and hydrazides of penicillins. S. N. Ushakov, E. F. Panarin, Dokl. AN SSSR 149 no. 2:334-337 Mr '63.
- Treatment of agranulocytosis with penicillin. V. P. Straupe, Vop. pat. krovi i krovoobr. no. 6:211-215 '61.

PENIS—ABNORMALITIES AND DEFORMITIES

- Savchenko, N. E.** [Hypospadias and its treatment] Gipsopadiia i ee lechenie, Minsk, Izd-vo Akad. nauk BSSR, 1962, 261 p. (DNLM)

PENSIONERS—EMPLOYMENT

- Dr. Rafsov's trial, Victor Polyak, Sov. profsoluzy 19 no. 6:26-27 Mr '63.

PENSIONS

- Mechanizing the accounting for pension operations. P. Sverdlov, A. Korovitsayn, Dred. i kred. 21 no. 3: 58-59 Mr '63.

PENSIONS, MILITARY

- Lazhechnikova, E. A.** [Pension insurance for servicemen under the law on state pensions] Pensionnoe obespecheniye voennoslužhashchikh po zakonu o gosudarstvennykh pensiyakh, Moskva, Gosizdat, 1962, 65 p. (Iuridicheskie konsultatsii dlia naseleniya v voprosakh i otvetakh)

PENTATHLON

- Reliability coefficient. A. Zil'berboim, Smena 40 no. 4: 24-26 F '63.

PENZA—MACHINERY INDUSTRY

- Foreman V. P. Korabel'shchikov, V. Glinchevskii, Mashinostroitel' no. 2:4 F '63.

PENZA—TELEVISION IN EDUCATION

- Educational television. M. M. Rozhkov, Tekh. kino i telev. 7 no. 3:84 Mr '63.

PENZA PROVINCE—DAIRYING—HYGIENIC ASPECTS

- Grade A. E. Losev, Sov. Kras. krest 12 no. 5:13 S-O '62.

PEPTIC ULCER

- Resection of the stomach for peptic ulcer after a third perforation. K. G. Struzhko, Sov. zdrav. Kir. no. 1: 57-58 Ja-F '63.

PEPTIDES

- Chemistry of polypeptides. Part 6: Synthesis of peptides of L- α , γ -diaminobutyric acid. N. V. Fedoseeva, A. B. Silaev, L. I. Androeva, Zhur. ob. khim. 33 no. 3: 1019-1023 Mr '63.
- Potential antimetabolites. Part 5: Peptides of β -(4-hydroxy-6-methyl-2-pyrimidinyl) alanine. Iu. P. Shvachkin, L. A. Syrtsova, Zhur. ob. khim. 33 no. 3:778-783 Mr '63.

PERCEPTION

- Recognizing systems of signals. Report no. 3: Dependence of the limit of the reduction of search on the degree of vagueness under experimental conditions. O. K. Tikhomirov, N. Kh. Turchenkova, Dokl. APN 6 no. 6:71-76 '62.

PERCEPTION (Continued)

- Role of "object modeling" in the development of visual analysis of forms in preschool children. V. P. Sokhina, Dokl. APN G no. 6:93-96 '62.
- Stochastic theory of perception. Report no. 10: Experimental investigation of the tactile recognition of images developed over a certain period of time. L. Arana, E. N. Sokolov, Dokl. APN G no. 6:77-80 '62.

PERIARTERITIS NODOSA

- Periarteritis nodosa; according to data from the V. V. Kulbyshev Hospital. I. A. Kh. Landa, T. N. Pisareva, Vop. pat. krovi i krovoobr. no. 6:225-235 '61.

PERIODICALS—BIBLIOGRAPHY see Bibliography—Periodicals

PERIODICALS—CIRCULATION see Newspaper and periodical circulation

PERIODICITY

- A day's rhythm of mitoses and the interaction between cell activity and cell division. I. A. Alov, TSitologiya 4 no. 3:297-305 My-Je '62.

PERJURY

- Perjury. A. Bezuglov, Sois. zakon. 30 no. 10:65-71 O '62.

PERLITE (MINERAL)

- Heat insulating shells of expended perlite. N. V. Kandler, A. G. Kameniskii, Lit. proizv. no. 1:4-5 Ja '63.

PERM—TECHNOLOGICAL INNOVATIONS

- Burden of red-tape methods. N. Bychkova, Izobr. i rats. no. 9:24-25 S '62.

PERM PROVINCE—GEOCHEMISTRY

- Chemical geography and problems of Perm geographers and geologists. G. A. Maksimovich, Khim. geog. no. 1: 22-34 '61.
- Chemical geography of Perm Province. V. S. Startsev, Khim. geog. no. 1:3-6 '61.
- Chemical geography of Quaternary sediments in Perm Province. B. S. Lunev, Khim. geog. no. 1:49-57 '61.
- Chemical geography of rivers in Perm Province. Mezuyevka and Sovetyanka Rivers. K. A. Gorbunova, Khim. geog. no. 1:93-98 '61.
- Geochemical landforms in Perm Province. B. A. Chazov, Khim. geog. no. 1:35-48 '61.

PERM PROVINCE—LANDFORMS

- Geochemical landforms in Perm Province. B. A. Chazov, Khim. geog. no. 1:35-48 '61.

PERM PROVINCE—RIVERS

- Chemical geography of rivers in Perm Province. Mezuyevka and Sovetyanka Rivers. K. A. Gorbunova, Khim. geog. no. 1:93-98 '61.

PERMAFROST see Frozen ground

PERMITIN, EFIM NIKOLAEVICH, 1805-

- "Heart of a hunter" by Efim Permittin. Reviewed by Ksenia L'vova, Ogonek 41 no. 3:24 Ja '63.

PERMITTIVITY see Dielectric constants

PEROXIDASES

- Decrease in the peroxidase activity of human hemoglobin in the erythrocytes with reduced osmotic resistance. G. S. Kovrov, V. P. Makarov, Vop. biofiz., biokhim. i pat. erit. no. 2:214-219 '61.

PERTURBATION

- Nonsymmetric ultraviolet asymptotic expressions for higher Green functions in renormalized theory [with summary in English]. I. F. Glinburg, Zhur. eksp. i teor. fiz. 44 no. 3:894-898 Mr '63.

PERUVIAN POETRY

- "On the wings of peace" [in Spanish]. Reviewed by E. R. Grodzenskaya, Smena 40 no. 4:16 F '63.

PERVOMAYSKIY (TAMBOV PROVINCE)—MACHINERY INDUSTRY WORKERS

- Santyllov, E. A. [Shoulder to shoulder] Plechnom k plechu. [Tambov] Tambovskoe knizhnoe izd-vo, 1960, 13 p. (Tvortsy semletki)

PERVOMAYSKIY DISTRICT (TAMBOV PROVINCE)—STOCK AND STOCKBREEDING

- Dubrovskii, L. L. Mariia Dmitrievna Trunova. [Tambov] Tambovskoe knizhnoe izd-vo, 1960, 28 p. (Mastera agitatsionno-propagandistskoj raboty)

PETER I, 1672-1725.

- New sources for the history of the reign of Peter I and old prejudices. A. N. Sakharov, Vop. ist. 38 no. 3: 193-194 Mr '63.

PETER I, 1672-1725—HOMES AND HAUNTS

- Tallinn. Linnamuseum. [Peter I, House and Museum] Peteri I Majamuseum, Tallinn, 1961, 36 p. [Parallel texts in Estonian and Russian]

PETNIKOV, GRIGORI NIKOLAEVICH, 1894-

- "Cherished book" by Grigorii Petnikov. Reviewed by M. Dolengo, Sov. Ukr. 13 no. 1:179-180 Ja '63.

PETROCHEMICALS see Petroleum chemicals

PETROLEUM—ANALYSIS

- Comparative evaluation of the quality and stability of oils obtained from eastern sulfur-bearing and Baku crudes. R. Sh. Kuliev, G. T. Musayev, E. K. Ahrapetova, Azerb. khim. zhur. no. 2:31-39 '62.

PETROLEUM—REFINING

- (see also subdivision under Uzbekistan)
- Evaluation of the quality of petroleum demulsification. I. D. Sadykhov, I. A. M. Frankfurt, N. D. Abdullaev, Azerb. khim. zhur. no. 2:59-64 '62.
- Ivanukov, D. V. [Developing and introducing new technical methods and equipment; work experience of a petroleum refinery] Razrabotka i vnedrenie novoi tekhniki; opyt neftepererabatyvalushchego zavoda. Pod red. A. N. Planovskogo, Moskva, Gosoptekhtizdat, 1962, 195 p.
- Sukhanov, V. P. [Catalytic processes in petroleum refining] Kataliticheskie protsessy v neftepererabotke, Moskva, Gosoptekhtizdat, 1963, 271 p.

PETROLEUM—STORAGE

- Dynamic coefficient for embedded reinforced concrete tanks in earthquake districts. A. S. Gekhtman, Prom. stroi. 40 [i.e. 41] no. 3:42 Mr '63.
- We have set our course toward communism. L. N. Solov'eva and others, Neftianik 8 no. 1:8-9 Ja '63.

PETROLEUM AS FUEL

- Fuel oil department of a thermal electric power plant. I. A. Rudakov, A. V. Martynov, V. V. Kuznetsova, Energetik 11 no. 4:11-13 Ap '63.

PETROLEUM AS FUEL—ADDITIVES

- Effect of esters and salts of hydroxy- and polyamines on the precipitability and corrosion activity of fuels containing cracked constituents. V. N. Zrelov, V. M. Melekhin, Zhur. prikl. khim. 36 no. 2:389-394 F '63.

PETROLEUM CHEMICALS

- Kasum-Zade, N. G. [Corrosion-resistant steels for the petrochemical industry] Korroziionnostoitkie stali dlia promyshlennosti neftekhimicheskogo sinteza, Baku, Azerbaidzhanское gos. izd-vo, 1962, 207 p.

PETROLEUM GEOLOGY

- (see also subdivision under Chelyabinsk Province; Ob' Valley)

- Bulalov, N. I., and others. [Method for evaluating the prospective oil and gas reserves] Metodika otsenki prognoznnykh zapasov nefli i gaza, Leningrad, Gosoptekhtizdat, 1962, 81 p.

- Some problems of prospecting for oil and gas fields and their appraisal; based on the materials of the State Committee on Mineral Resources. G. B. Kordukova, Mat. OKZ no. 2:3-12 '61.
- V. I. Vernadskii's concept of petroleum origin. N. B. Vassoevich, Sov. geol. 6 no. 3:25-42 Mr '63.

PETROLEUM INDUSTRY

- [Building materials in the petroleum, petrochemical, and gas industries] Konstruktsionnye materialy v neflianoi, neftekhimicheskoi i gazovoi promyshlennosti; spravochnoe rukovodstvo. [By] G. K. Shreiber i dr., Moskva, Gosoptekhtizdat, 1962, 381 p.

- For a new upsurge of the petroleum industry. V. M. Murav'ev, Neftianik 8 no. 1:1-2 Ja '63.

- In the Presidium of the Central Committee of the trade union. A. L. Babalan, Neftianik 7 no. 7:25 Ji '62.
- Voluntary assistance to technical progress. L. Barskida, Neftianik 7 no. 7:1-2 Ji '62.

PETROLEUM INDUSTRY—BIBLIOGRAPHY see Bibliography—Petroleum industry

PETROLEUM MINING see subdivision under Komi A.S.S.R.

PETROLEUM PIPELINES

- (see also subdivision under Tatar A.S.S.R.)

- Overhead petroleum pipeline crossings on the "Druzhba" International line. V. Kirchenko, A. Gol'dshteyn, Prom. stroi. i inzh. soor. 4 no. 1:12-17 Ja-F '63.
- Route of the "Druzhba" Petroleum Pipeline. Stroi. truboprov. 8 no. 2:3 F '63.

PETROLEUM PRODUCTS

- Electrocracking of sulfur-bearing oil distillates for the purpose of obtaining acetylene, olefins, hydrogen, carbon black, and sulfur-containing products. A. D. Kokurin, V. D. Obrezkov, D. A. Sibarov, Zhur. prikl. khim. 36 no. 2:424-428 F '63.

PETROLEUM PRODUCTS—ANALYSIS

- Bellatin, B. V., and V. N. Erlikh. [Industrial analysis of petroleum products and gas] Tekhnicheskii analiz nefteproduktov i gaza, Leningrad, Gosoptekhtizdat, 1962, 367 p.

PETROLEUM REFINERIES see subdivision under Novokuybyshevsk; Ryazan

PETROLEUM REFINERIES—ELECTRIC EQUIPMENT

- Shadrakhin, I. A., and F. I. Gorin. [Saving electric power in petroleum refining] Ekonomiya elektroenergii v neftepererabatyvalushchei promyshlennosti. Moskva, Gosenergoizdat, 1962, 39 p. (Za ekonomiyu elektricheskoi i teplovoi energii)

PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES see subdivision under Novokuybyshevsk; Ryazan

PETROLEUM WORKERS see subdivision under Amizhan Province

PETROLOGY see subdivision under Issyk-Kul' region; Turkistan Range

PETROPAYLOVSK-KAMCHATSKIY—WATER—DISTRIBUTION

- The management shrugs its shoulders. L. Zakovorotni, Zhil.-kom. khoz. 13 no. 1:24 '63.

PETROSELINIC ACID

- Catalytic hydrogenation of petroselinic hydroxy acids. G. V. Pigulevskii, A. E. Sokolova, Zhur. prikl. khim. 36 no. 2:455-456 F '63.

PHAGOCYTOSIS

- Study of the immunobiological state in parodontosis according to the phagocyte count and the content of lysozyme in the saliva. N. F. Golovina, O. D. Tsyganenko, Probl. stom. 6:73-78 '62.
- Use of luminescence microscopy for studying the leucocytes and their phagocytosis by the reticuloendothelium of the spleen. B. G. Kovrov, V. P. Makarov, Vop. biofiz., biokhim. i pat. erit. no. 2:220-225 '61.

PHARMACISTS see subdivision under Odessa Province

PHARMACOLOGY

- Concerning the treatment of cholestermia. I. L. Mokeimova, Trudy Kish. gos. med. inst. 13:123-124 '60.
- Treatment for Trichomonas invasion in men. L. G. Bogacheva, Trudy Kish. gos. med. inst. 13:145-146 '60.
- Treatment of patients suffering from salmonellosis caused by Bacillus brevis. T. A. Minsbarg, Trudy Kish. gos. med. inst. 13:105-108 '60.

PHARMACOLOGY—ABSTRACTS

- [Pharmacology, Toxicology] Ref. zhur. : Farm. Toks. no. 4, 6-7 F-Ap '63.

PHARMACOPOLIAS

- Basic changes introduced in the ninth edition of the State Pharmacopoeia of the U.S.S.R., II. A. Valisnina, Farmatsev. zhur. 17 no. 4:20-27 '62.

PHARMACY

- (see also subdivision under Cherkassy Province; Crimea; Lugansk Province; Ukraine)
- Brief news and information. Farmatsev. zhur. 17 no. 4: 90-92 '62.
- Business relations of therapeutic and prophylactic institutions with pharmacies. H. A. Shchepin, Farmatsev. zhur. 17 no. 4:85-87.
- Correspondence consultation on questions concerning the technology for the preparation of certain drugs. M. I. Gubskiy, Farmatsev. zhur. 17 no. 4:87-89 '62.
- Learn from the best workers. I. P. Krutchenko, Farmatsev. zhur. 17 no. 4:70-71 '62.
- Movement of goods. H. I. Ilorinkol', Farmatsev. zhur. 17 no. 4:42-45 '62.

PHARMACY—ABSTRACTS

- Abstracts. M. A. Chervatenko, Farmatsev. zhur. 17 no. 4:93-95 '62.

PHARMACY—CONGRESSES

- Third Scientific and Practical Conference of the Pharmacists of Donetsk Province. M. F. Ivanytska, Farmatsev. zhur. 17 no. 4:76-78 '62.

PHARMACY—MANAGEMENT

- Internal control in pharmacies. O. P. Nikitenko, Farmatsev. zhur. 17 no. 4:61-64 '62.
- New achievements in drug care for the population. Z. I. Dudareva, Farmatsev. zhur. 17 no. 4:59-61 '62.

PHARMACY AS A PROFESSION

- Pharmacist's profession. I. O. Minlovych, Farmatsev. zhur. 17 no. 4:46-49 '62.

PHASE RULE AND EQUILIBRIUM

- Changes in the phase composition of an alumina-kaolin charge mixture in the process of charge resistance melting of fused silicon and aluminum. E. I. Khazarev, G. V. Kuz'mina, S. G. Donskova, Trudy Vost.-Sib. fil. AN SSSR no. 43:77-81 '62.
- Changes in the phase composition of clays during heating in a neutral atmosphere in the presence of a solid reducing agent. E. I. Khazarev and others, Trudy Vost.-Sib. fil. AN SSSR no. 43:69-76 '62.
- [Constitutional diagrams of metal systems, published in 1959 (no. 5)] Diagrammy sostoiianiia metallicheskikh sistem, opublikovannye v 1959 godu (vypusk V) [By] Z. M. Rogachevskaya, Pod red. N. V. Ageeva, Moskva, [Proizvodstvenno-izdatel'skii kombinat VINITI] 1962, 165 p.
- Determination and classification of phase transitions in simple systems. G. M. Bartenov, A. A. Remizova, Uch. zap. Mosk. gor. ped. inst. 80:157-183 '60.
- Investigations in the field of the physical chemistry of titanium. I. I. Kornilov, Izv. AN SSSR, Otd. khim. nauk, Met. i gor. delo no. 1:162-160 Ja-F '63.

PHASE RULE AND EQUILIBRIUM (Continued)

- Liquid-vapor equilibrium in the system benzyl alcohol-toluene-water. M. P. Susarev, A. N. Gorbunov, Zhur. prikl. khim. 36 no. 2:459-461 F '63.
- Nature of hardening austenitic steels. V. I. Grigor'kin, Izv. vys. ucheb. zav. i chern. met. 6 no. 2:95-103 '63.
- Phase transformations in the reduction of titanium dioxide in slag systems. A. V. Rudneva, M. S. Model', Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo no. 1:59-63 Ja-F '63.
- Physical and mechanical properties of alloys in the system titanium-molybdenum-aluminum. O. P. Elutin and others, Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo no. 1:176-180 Ja-F '63.
- Problem of the second type phase transition of SnSe. S. A. Dembovskii and others, Zhur. neorg. khim. 8 no. 4:1025-1026 Ap '63.
- Secondary martensite transformation in the tempering of tool steels. V. A. Landa, Metalloved. i term. obr. met. no. 3:2-6 Mr '63.
- Solubility and solid phases in the system $(\text{NH}_4)_2\text{Mg}(\text{SO}_4)_2 - (\text{NH}_4)_2\text{Ni}(\text{SO}_4)_2 - \text{H}_2\text{O}$ at 25°. I. N. Ivanova, M. I. Ozerova, E. I. Egorova, Zhur. neorg. khim. 8 no. 4:977-980 Ap '63.
- System $\text{Nb}_2\text{O}_5 - \text{SO}_3 - \text{H}_2\text{O}$. I. A. G. Goroshchenko, M. I. Andreeva, Zhur. neorg. khim. 8 no. 4:981-985 Ap '63.
- Vsesoyuznoye soveshchaniye po teplo- i massopobemu. 1st. Minsk, 1961. [Heat and mass transfer] Teplo- i massopobemu; [doklady]. Pod obshchey red. A. V. Lykova i B. M. Smol'skogo. Minsk, Izd-vo Akad. nauk BSSR.
- Vol. 2. [Heat and mass transfer during phase transitions and chemical transformations] Teplo- i massopobemu pri fazovykh i khimicheskikh prevrashcheniyakh. 1962, 377 p.

PHENANTHRENESULFONIC ACID

- Thiosulfonic acids. Part 8: Alkyl esters of thiosulfonic acids, derivatives of naphthalene and phenanthrene. B. G. Boldyrev, L. N. Ushkevich, Zhur. ob. khim. 33 no. 3:959-973 Mr '63.

PHENETHYLAMINE

- Inhibitors of free radical reactions. Report No. 4: Synthesis of 3,5-dialkyl-4-hydroxyphenylethylamines. G. A. Nikiforov, K. M. Dimaev, Izv. AN SSSR, Otd. khim. nauk no. 4:721-723 Ap '63.

PHENOL

- Alkylation of phenol with olefins in the presence of synthetic aluminosilicates. I. U. G. Mamedaliev and others, Azerb. khim. zhur. no. 2:11-18 '62.

PHENOL CONDENSATION PRODUCTS

- Condensation of thiourea and alkyl phenols with formaldehyde. A. M. Kuliev, Kh. N. Kulieva, Azerb. khim. zhur. no. 2:95-99 '62.

PHENOLS

- Alkylation of phenol with butadiene on the KU-2 cation exchange resin. V. I. Isagulants, V. P. Evstaf'ev, Zhur. ob. khim. 33 no. 3:1042-1043 Mr '63.
- Changes in the complex of substances of phenol origin in the case of mechanical injuries to potato plants by gamma irradiation. E. N. Mukhin, Dokl. AN SSSR 148 no. 5:1405-1407 F '63.
- Hydrogenation of phenolic resin obtained in the production of diphenylpropane. A. B. Vol'-Epshtein, B. R. Lifshits, V. V. Surovtseva, Zhur. prikl. khim. 36 no. 2:455-459 F '63.
- Interaction between the radicals of irradiated protein and alkyl phenols. I. I. Sapezhinskii, M. S. Postnikova, N. M. Emanuel', Dokl. AN SSSR 148 no. 5:1207-1209 F '63.
- Phenols obtained from aspen lignin during its decomposition by sodium solution in liquid ammonia. A. F. Semechkina, N. N. Shorygina, Izv. AN SSSR, Otd. khim. nauk no. 4:715-720 Ap '63.

PHENOLS—SPECTRA

- Hydrogen bonding studied by means of nuclear magnetic resonance; effect of steric hindrances on the hydrogen bond in diorthoalkyl phenols. V. F. Byatov and others, Dokl. AN SSSR 148 no. 5:1077-1080 F '63.

PHENOLS—THERAPEUTIC USE

- Treatment of recurrent typhus by means of mepharsen. I. R. Drobnitskii, Trudy Kish. gos. med. inst. 13:93-91 '60.

PHENOTHIAZINE

- Review of the literature on experimental studies of the pharmacological properties of aminazine and other preparations of the phenothiazine series [in Azerbaijani with summary in Russian]. Kh. A. Gasanov, Azerb. mod. zhur. 40 no. 1:3-9 Ja '63.

PHILIPPINES—ETHNOLOGY—MAPS

- Berezina, M. I. A., and S. I. Bruk. [Map of the peoples of Indonesia, Malaya and Philippines] Karta narodov Indonezii, Malaii, i Filipin. Moskva, Akad. nauk SSSR, 1962, 2 fol. maps.
- . [Population of Indonesia, Malaya and Philippines] Naseleniye Indonezii, Malaii i Filipin. 1962, 92 p.

PHILOLOGY—RESEARCH

- In the Department of Literature and Language. Vest. AN SSSR 33 no. 3:69-72 Mr '63.

PHILOSOPHY

- "The idea of development in the bourgeois philosophy of the 19th and 20th century" by Bogomolov. Reviewed by A. I. Titarenko. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 1:139-142 '63.
- In the Department of Philosophy and Law. Vest. AN SSSR 33 no. 3:55-69 Mr '63.
- Khachatryan, A. B. [Basic phases in the development of pre-Marxist philosophy] Ob osnovnykh etapakh razvitiya domarkskistatskoi filosofii. Moskva, Vysshaya shkola, 1963. 63 p. (Materialy k lektsiiam po filosofii)
- Relation of the 19th-century philosophical freethinking of the Russian common people to the progressive traditions of European culture. L. A. Kogan. Nauch. dokl. vys. shkoly; filos. nauki 6 no. 1:113-124 '63.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—DICTIONARIES

- [Philosophical encyclopedia] Filosofskaya entsiklopediya. Glav. red. F. V. Konstantinov. Chleny red. kollegii: V. F. Asmus i dr. Moskva, Gos. nauchn. izd-vo "Sovetskaya entsiklopediya."
- Vol. 2. Diz' iunktsiya - Konishcheskoe. 1962, 575 p. (Entsiklopedii, slovarii, spravochniki)

PHILOSOPHY—PERIODICALS

- A thoughtful discussion. M. F. Rodionov. Vop. filos. 17 no. 3:159-161 '63.

PHILOSOPHY, HUNGARIAN—PERIODICALS

- Problems of Marxist philosophy discussed in "Magyar filozofiai szemle," a Hungarian periodical. József Horvát, László Horvát, Nauch. dokl. vys. shkoly; filos. nauki 6 no. 1:133-136 '63.

PHIMOSIS

- Treatment of phimosis. M. A. Atadzhanov, Zdrav. Turk. 6 no. 6:34 N-D '62.

PHILOGOPITE see subdivision under Aldan Plateau

PHONOCARDIOGRAPHY see Heart—Sounds

PHONOGRAPH

- Replacement of the needle of a phonograph pickup. L. Fadin, Radio no. 12:46 D '62.

PHONOTAPES

- Using the magnetophone in criminal investigation. A. Gerasim, Sots. zakon. 39 no. 10:51-53 O '62.

PHOSGENE

- Action of phosgene on acetylmethylene derivatives of heterocyclic bases and some reactions between the compounds formed. N. N. Sveshnikov and others, Dokl. AN SSSR 148 no. 5:1091-1094 F '63.

PHOSPHATE COATING

- Kudryavtsev, N. T., and others. [Zinc plating with and ammoniate electrolyte and the phosphating of zinc coatings] Tsinkovanie v amoniakalnom elektrolite i fosfatirovaniye tsinkovykh pokrytiy. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1959, 11 p. (Perodovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-63/6)

PHOSPHATES

- Rate of decomposition of apatite by nitric acid solutions of the system $\text{CaO} - \text{P}_2\text{O}_5 - \text{N}_2\text{O}_5 - \text{H}_2\text{O}$. M. E. Pozin and others, Zhur. prikl. khim. 36 no. 2:242-251 F '63.

PHOSPHINE

- Styryldialkyl phosphines and their oxides. G. K. Fedorova, A. F. Kirsanov, Zhur. ob. khim. 33 no. 3:1011-1013 Mr '63.

PHOSPHINE OXIDE

- Styryldialkyl phosphines and their oxides. G. K. Fedorova, A. F. Kirsanov, Zhur. ob. khim. 33 no. 3:1011-1013 Mr '63.

PHOSPHINIC ACID

- Esters of β -ketophosphinic acids. Report No. 11: Action of diazomethane on diethyl esters of acetyl- and benzoylphosphinic acids. B. A. Arbusov and others, Izv. AN SSSR, Otd. khim. nauk no. 4:875-793 Ap '63.
- Reaction of nucleophilic addition to alkyl phosphinites. A. N. Pudovik, N. G. Khushanova, I. M. Aladzheva, Zhur. ob. khim. 33 no. 3:1045-1046 Mr '63.
- Re-esterification of neutral phosphites and phosphinites. K. A. Petrov and others, Zhur. ob. khim. 33 no. 3:899-901 Mr '63.

- Synthesis of 1,2-dialkyl phosphinites; 5,6-diallopropyldenosuglucoses and their conversion to 6-lalodenyglycose. K. A. Petrov, E. E. Nifant'ev, A. A. Shechegolev, Zhur. ob. khim. 33 no. 3:896-899 Mr '63.

PHOSPHONITRILE CHLORIDE

- Isomerism of di-, tri-, and tetrapyrrolyl derivatives of a phosphonitrile chloride trimer. A. A. Kropacheva, N. M. Kashnikova, Zhur. ob. khim. 33 no. 3:1046-1047 Mr '63.

PHOSPHORIC ACID

- Interaction of GeO_2 with orthophosphoric acid. K. A. Avdeyeva, I. V. Tananayev, Zhur. neorg. khim. 8 no. 4:1020-1021 Ap '63.

PHOSPHORITES see subdivision under Kar-Tau

PHOSPHORODITHIOIC ACID—SPECTRA

- Integral and peak intensity of the band of $\nu = \delta$ stretching vibration in esters of phosphorodithioic acid and some other phosphorus compounds. A. F. Vasil'ev, Zhur. ob. khim. 33 no. 3:874-878 Mr '63.

PHOSPHOROUS ACID

- Addition of trialkyl phosphites to acetylenecarboxylic acids. K. M. Kirilova, V. A. Kukhtin, T. M. Sudakova, Dokl. AN SSSR 149 no. 2:316-317 Mr '63.
- β -Hydroxyalkylalkylene phosphites, a new type of phosphorous acid esters. L. V. Nesterov and others, Dokl. AN SSSR 148 no. 5:1085-1087 F '63.
- Reactions of diazoacetic ester with phosphorous acid and its esters. B. A. Arbusov, A. O. Vigel', Izv. AN SSSR, Otd. khim. nauk no. 4:749-750 Ap '63.
- Re-esterification of neutral phosphites and phosphinites. K. A. Petrov and others, Zhur. ob. khim. 33 no. 3:899-901 Mr '63.

PHOSPHORS

- The de-excitation effect of X rays. G. M. Ivanil, Opt. i spekt. 14 no. 4:618-619 O '62.
- Electroluminescence of microcrystals of ZnS-Cu , Pb. V. L. Rabotkin, Opt. i spekt. 13 no. 4:601-603 O '62.
- Role of additives in the formation of luminescence centers in ZnS-Cu phosphor. N. A. Vlasenko, E. N. Pavlova, Opt. i spekt. 13 no. 4:550-553 O '62.
- Steady-state luminescence of ZnS phosphors. Part 3. K. S. K. Rebane, Opt. i spekt. 13 no. 4:584-587 O '62.

PHOSPHORUS—ANALYSIS

- Heteroorganic analysis by the "wet combustion" method. Report No. 6: Determination of phosphorus and silicon in silicon organophosphorus compounds [with summary in English]. B. M. Luskina, A. P. Terent'ev, S. V. Stavitskii, Zhur. anal. khim. 17 no. 5:639-641 Ag '62.

PHOSPHORUS BACTERIA see Bacteria, Phosphorus

PHOSPHORUS COMPOUNDS

- Phosphorus-niobium-molybdenum complex. A. K. Babko, I. U. F. Shkaravskii, Zhur. neorg. khim. 7 no. 7:1565-1569 Ji '62.

PHOSPHORUS IODIDE

- Alkylation of phosphorus diiodide with higher alkyl iodides. N. G. Fashchenko, T. I. Alekseeva, A. V. Kirsanov, Zhur. ob. khim. 33 no. 3:1013-1014 Mr '63.

PHOSPHORUS METABOLISM

- Effect of witting on the assimilation of phosphorus by tomatoes and lemon [with summary in German]. P. P. Chuvaev, S. A. Turunova, Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 1:106-142 '62.
- Free and bound phosphorus in skeletal muscles of a frog. I. N. Pysareva, T'sitologiya 4 no. 3:343-347 My-Je '62.

PHOSPHORUS-NICKEL ALLOYS see Nickel-phosphorus alloys

PHOSPHORUS ORGANIC COMPOUNDS

- Diphenylchlorophosphazene aryls. I. N. Zlurova, A. V. Kirsanov, Zhur. ob. khim. 33 no. 3:1015-1017 Mr '62.
- Heteroorganic analysis by the "wet combustion" method. Report No. 6: Determination of phosphorus and silicon in silicon organophosphorus compounds [with summary in English]. B. M. Luskina, A. P. Terent'ev, S. V. Stavitskii, Zhur. anal. khim. 17 no. 5:639-641 Ag '62.
- Phenyldialkyl- and styryldialkylphosphazene aryls. G. I. Derkach, G. K. Fedorova, E. S. Gubnitskaya, Zhur. ob. khim. 33 no. 3:1017-1019 Mr '63.
- Structure of the reaction products of trialkylhalosilanes with sodium diethyl phosphite. E. A. Chernyshov, E. F. Bugerenko, Izv. AN SSSR, Otd. khim. nauk no. 4:769-770 Ap '63.

PHOSPHORYL CHLORIDE

- Conjugated systems. Part 169: Addition of dialkyl phosphoryl chlorides to diene hydrocarbons. N. A. Razu-mova, A. A. Petrov, Zhur. ob. khim. 33 no. 3:783-780 Mr '63.

PHOSPHORYLATION

- Effect of temperature on the oxidative phosphorylation of mitochondria preparations of peas. O. A. Semikhatova, T. M. Bushueva, Dokl. AN SSSR 149 no. 4:982-984 Ap '63.

PHOSPHORYLATION (Continued)

International Congress of Biochemistry, 5th, Moscow, 1961. [Intracellular respiration; phosphorylating and nonphosphorylating oxidation reactions; symposium V] Vnutrikletochnoe dykhanie; fosforilirovushchie i nefosforilirovushchie reaktsii oksitsenii; simpozium V. Moskva, Izd-vo Akad. nauk SSSR, 1962. 439 p. (Its: Trudy)

PHOTOCHEMISTRY

Discrete nature of the impurity-induced spectral photosensitivity of photographic emulsions. G. L. Brown, E. A. Kirillov, K. V. Chibisov. Dokl. AN SSSR 149 no. 2:353-356 Mr '63.
Effect of electron-acceptor admixtures on the optical and photoelectrical properties of magnesium phthalocyanine. E. K. Putseiko. Dokl. AN SSSR 148 no. 5:1125-1128 F '63.

PHOTOCONDUCTIVITY

Activation energy of the dark conductivity and photoconductivity of chlorophyll a. A. T. Vartanian. Dokl. AN SSSR 149 no. 4:812-815 Ap '63.
Comparison of the catalytic activity of semiconductor catalysts with values characteristic of their photoconductivity and its kinetics. V. A. Zhuravlev, V. N. Kulitskii. Kin. i kat. 4 no. 1:109-115 Ja-F '63.
Photoconductivity of acetylene polymers. V. S. Mylnikov, E. K. Putseiko, A. N. Terenin. Dokl. AN SSSR 149 no. 4:697-699 Ap '63.
Steady-state luminescence of ZnS phosphors. Part 3. K. -S. K. Rebanc. Opt. i spekt. 13 no. 4:584-587 O '62.

PHOTOELASTICITY

Using three-dimensional models for studying stresses by photoelasticity when solving problems of rock pressure. V. F. Trumbachev, L. S. Molodtsova. Fiz.-mekh. svoist., dav. i razr. gor. porod no. 1:141-161 '62.

PHOTOELECTRIC MEASUREMENTS

Errors in determining the concentration of spermatozoa by the photoelectric method [with summaries in English, German, and French]. F. I. Ostashko, G. S. Galvoronskii. Vest. sel'khoz. nauki 7 no. 12:130-133 D '62.
Resolving capacity of scanning systems. G. N. Belinskii, A. I. Churbakov. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:120-123 Mr-Ap '63.

PHOTOELECTRICITY

Changes in the surface potential of lead sulfide films due to illumination [with summary in English]. O. M. Artamonov, R. I. A. Berlaga, T. T. Bykova. Vest. LGU 18 no. 4:41-46 '63.

PHOTOGRAMMETRIC PICTURES

Using a stereoscope in adjusting topographic plans. A. I. Kuznetsov. Geod. i kart. no. 2:55-56 F '63.

PHOTOGRAMMETRY

Determining the apparent dimensions of the objects of stereoscopic images. V. S. Shchekochikhin. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:110-120 Mr-Ap '63.
Stereophotogrammetry helps researchers. Stroil. i arkh. it. Len. 24 no. 1:36-37 Ja '62.

PHOTOGRAMMETRY—EQUIPMENT AND SUPPLIES

Livshits, E. M., and A. G. Tsar'kov. [Universal stereophotogrammetric unit] Universal'naya stereofotogrammetricheskaya ustroystvo. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 37. No. P-58-10/2)

PHOTOGRAPHIC EMULSIONS

Applicability of the coating theory to cases using the Shakhov's tray. S. M. Levi, G. M. TSvetkov. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:148-149 Mr-Ap '63.
Applicability of the coating theory when using the Shakhov system tray. B. V. Deriagin, S. M. Levi. Tekh. kino i telev. 7 no. 3:68-69 Mr '63.
Comet preventing action of wetting agents in the coating of photographic emulsions. Part 5. Comet preventing action of acid esters of the sulfosuccinic acid and their effect on the kinetic wetting. S. M. Levi and others. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:87-91 Mr-Ap '63.
Discrete nature of the impurity-induced spectral photosensitivity of photographic emulsions. G. L. Brown, E. A. Kirillov, K. V. Chibisov. Dokl. AN SSSR 149 no. 2:353-356 Mr '63.
Effect of potassium rhodanide on the formation of various I-states in the adsorption layer of the ethylate of mezoethylthiacarboxyanine. M. K. Grechko. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:137-139 Mr-Ap '63.
New method for stabilizing hypersensitized layers. S. M. Solov'ev, N. I. Rodionova. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:146-147 Mr-Ap '63.
Role of potassium iodide in the process of the formation of photographic emulsions. Part 1. Silver iodobromide ammonia-free emulsions. K. S. Lialikov, K. M. Ginzburg, A. V. Antipin. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:101-105 Mr-Ap '63.
Using the X-ray method for investigation into the dispersion of the solid phase of extra fine-grained photographic emulsions. M. I. Rudenko. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:97-100 Mr-Ap '63.

PHOTOGRAPHIC EMULSIONS—TESTING

Some characteristics of silver halide photographic emulsions with laminated structure of microcrystals. Part 1. IU. M. Prokhodskii. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:142-144 Mr-Ap '63.

PHOTOGRAPHIC SENSITOMETRY

New method for stabilizing hypersensitized layers. S. M. Solov'ev, N. I. Rodionova. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:146-147 Mr-Ap '63.

PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Mechanism of the penetration of the components of the processing solutions in the photographic layer. Part 2. Rate of penetration. I. B. Blumberg, I. M. Davydkin. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:81-86 Mr-Ap '63.
Oscillographic polarography of some developing agents. V. M. Gorokhovskii, N. M. Kuzovko. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:149-151 Mr-Ap '63.
Oscillographic characteristics of color photographic developing agents. G. P. Sennikov. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:144-146 Mr-Ap '63.
Periodicity in the kinetics of the development process. Zh. L. Brown. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:140-142 Mr-Ap '63.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

Applicability of the coating theory to cases using the Shakhov's tray. S. M. Levi, G. M. TSvetkov. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:148-149 Mr-Ap '63.
[Photographic and motion-picture equipment] Ref. zhur. i Fotokinet. no. 4 Ap '63.

PHOTOGRAPHY—FILMS

At the highest sensitivity. G. Makarov. Ogonek 41 no. 4:13 Ja '63.
Investigating the relaxation processes in triacetate films (with summary in English on p. 96). V. G. Timofeeva, F. S. Sherman, E. K. Podgoretskii. Tekh. kino i telev. 7 no. 2:21-26 F '63.
Photographic films for spectroscopy and astronomy. P. V. Melikar and others. Opt. i spekt. 13 no. 4:607-609 O '62.

PHOTOGRAPHY—PRINTING PAPERS

Manufacture of electrophotographic papers with increased sensitivity. N. N. Markovich. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:135-137 Mr-Ap '63.

PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

[Technical specifications and operation instructions for the C-180 camera and C-180-S spectrographic camera] Tekhnicheskoe opisanie i instruktsia po ekspluatatsii fotograficheskoi kamery C-180 i spektral'noi kamery C-180-S. [n.p., 1959?] 49 p. 34 diagr.

PHOTOGRAPHY, ARTISTIC

Sovetskoe fotoklasytvo. Soviet art photography [Sost. I. K. Tupitsyn] Moskva, Izd-vo lit-ry na inostr.azykakh [1961?] 13 p. 149 ill. [Parallel texts in five languages] (NY)

PHOTOGRAPHY, HIGH-SPEED—CONGRESSES

Sixth International Congress on High-Speed Photography. M. P. Vaniukov. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:157-158 Mr-Ap '63.

PHOTOGRAPHY, INFRARED

Infrared television in medicine (with summary in English on p. 96). I. Iudzon, V. D. Lovitskii. Tekh. kino i telev. 7 no. 2:60-62 F '63.

PHOTOGRAPHY, PARTICLE TRACK

Analysis of stars with hyperfragments produced by 8 Bev. protons in a photographic emulsion [with summary in English]. I. B. Berkovich and others. Zhur. nauch. i prikl. fot. i kin. 8 no. 3:793-797 Mr '63.

Cross section of Li⁶ formation in a nuclear emulsion by 8 Bev. protons. N. P. Bogachov, E. L. Grigor'ev, IU. P. Merekov. Dokl. AN SSSR 148 no. 5:1046 F '63.

Interaction between a high-energy multiply charged particle and an emulsion nucleus [with summary in English]. Kh. P. Babayan, N. A. Merutian. Zhur. nauch. i prikl. fot. i kin. 8 no. 3:832-839 Mr '63.

Production of hypernuclei by 8.8 Bev. protons [with summary in English]. M. E. Arustamova and others. Zhur. nauch. i prikl. fot. i kin. 8 no. 3:861-865 Mr '63.

PHOTOGRAPHY, PARTICLE TRACK—DEVELOPING AND DEVELOPERS

Developing type "R" nuclear emulsions in the electro-dialyzer. D. M. Samoilovich, V. G. Tarasenkova. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:151-152 Mr-Ap '63.

PHOTOGRAPHY, STEREOSCOPIC

Determining the apparent dimensions of the objects of stereoscopic images. V. S. Shchekochikhin. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:110-120 Mr-Ap '63.

PHOTOGRAPHY OF ART

Photographing monuments of art and culture in reflected infrared rays. L. V. Siverskov. Soob. VTSNILKR no. 1: 6-10 '60.

PHOTOMECHANICAL PROCESSES

Some problems of mechanization and automation in the production of photomechanical printing plates. M. I. Siniakov. Poligr. proizvod. no. 2:15-18 F '63.

PHOTOMETERS

Reeben, V. A. [FUAZ-2 photometer with automatic detection and linear and logarithmic scales] Avtomaticheskii zashchishchennyi fotometr FUAZ-2 s lineinymi i logarifmicheskimi shkalami. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 37. No. P-58-97/4)

PHOTOMETRY

Direct photometric method for the determination of small amounts of hydrogen fluoride [with summary in English]. E. A. Perehud, B. S. Boikina. Zhur. anal. khim. 17 no. 5:611-613 Ag '62.

Fabrikova, E. A. [Flame photometry in the determination of alkali metals in silicate rocks and minerals] Plamenofotometricheskoe opredelenie shchelochnykh metallov v silikatnykh porodakh i mineralakh. Moskva, 1960. 20 p. (Akademiya nauk SSSR, Institut mineralogii i geokhimi i kristallografii i redkikh elementov, Metodicheskie materialy, no. 3)

Merson, IA, I., and others. [Photopyrometry for the determination of surface temperature fields] Fotopimetricheskoe opredelenie potol' temperatur poverkhnosti. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhn. i proizvodstvennyi opyt, Tema 34. No. P-58-91/11)

PHOTOMETRY, ASTRONOMICAL

Correlation between photometric systems (with summary in English). V. Strazhina. Astron. zhur. 40 no. 2: 332-338 Mr-Ap '63.

PHOTOMICROGRAPHY—EQUIPMENT AND SUPPLIES

The "SFR-R" high-speed photomicrographic unit. A. S. Dubovik, N. M. Sitinskaya, G. V. Kolesov. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:128-134 Mr-Ap '63.

PHOTONS

Fusion of photons in the Coulomb field of nuclei [with summary in English]. E. A. Kuraev, S. S. Samukov. Zhur. eksp. i teor. fiz. 44 no. 3:1015-1022 Mr '63.

PHOTONUCLEAR REACTIONS

Photoproduction of neutral mesons on nuclei near the threshold [with summary in English]. B. B. Gourevkov, S. P. Denisov, E. V. Minarik. Zhur. eksp. i teor. fiz. 44 no. 3:878-886 Mr '63.

Shape of the bremsstrahlung spectrum near the upper limit [with summary in English]. B. S. Dolbikhin and others. Zhur. eksp. i teor. fiz. 44 no. 3:866-867 Mr '63.

PHOTOSYNTHESIS

Effect of light intensity on the photosynthesis of some trees in the central mountains of Tajikistan [with summary in German]. S. Makhmadbekov. Trudy Old. fiziol. i biotiz. rast. AN Tadzh. SSR 1:36-40 '62.

Photosynthesis of mesophilous and xerophilous trees of the Kondara Gorge [with summary in German]. IU. S. Nasyrov. Trudy Old. fiziol. i biotiz. rast. AN Tadzh. SSR 1:10-35 '62.

PHOTOTELEGRAPHY

Use of facsimile apparatus for eliminating mistakes in processing telegrams. M. I. Okman, S. O. Mel'nik. Vest. aviats. 23 no. 3:21-23 Mr '63.

PHTHALIDECARBOXYLIC ACID

Tetracyclines. Report No. 17: Asymmetrical synthesis of (−)-3-methylphthalide-3-carboxylic acid. M. N. Kotskov, A. I. Gurevich, IU. B. Shvetsov. Izv. AN SSSR, Org. khim. nauk no. 4:701-705 Ap '63.

PHTHALOCYANINES

Energy transfer from uranyl cations to phthalocyanine in solution and in the state of adsorption. G. I. Kolyashev, G. N. Lialin, A. N. Terenin. Dokl. AN SSSR 148 no. 6: 1294-1297 F '63.

Luminescence of the uranyl-phthalocyanine complex. G. N. Lialin, G. I. Kolyashev. Dokl. AN SSSR 148 no. 5: 1053-1056 F '63.

PHTHALOCYANINES—ABSORPTION SPECTRA

Effect of electron-acceptor admixtures on the optical and photoelectrical properties of magnesium phthalocyanine. E. K. Putseiko. Dokl. AN SSSR 148 no. 5:1125-1128 F '63.

PHYSICAL EDUCATION AND TRAINING

(see also subdivision under Baskhria)
Basic principles of organizational work in physical education. K. P. Fedorov. Teor. i prak. fiz. kul't. 26 no. 2:64-67 F '63.

Glorious anniversary. Teor. i prak. fiz. kul't. 26 no. 2: 1-5 F '63.

Interrelation between vegetative functions in training with different objectives. R. D. Dibner, M. P. Ereimenko, L. I. Karpenko. Teor. i prak. fiz. kul't. 26 no. 2:26-28 F '63.

PHYSICAL EDUCATION AND TRAINING (Continued)

Problems of the history of Soviet physical education; for discussion. N. P. Novoselov, A. A. Dogmarov. Teor. i prak. fiz. kul't. 26 no. 2:57-59 F '63.
Psychological readiness of athletes for competitions. A. T. S. Puni. Teor. i prak. fiz. kul't. 26 no. 2:52-56 F '63.

PHYSICAL EDUCATION AND TRAINING—RESEARCH

Trends in the scientific research work in the field of the morphological foundation of physical culture and sports. M. F. Ivanitskii. Teor. i prak. fiz. kul't. 26 no. 2:10-15 F '63.

PHYSICAL EDUCATION FACILITIES

Organizing the All-Union Review-Contest in the Field of Sports Facilities. Teor. i prak. fiz. kul't. 26 no. 2:77-78 F '63.

PHYSICAL EDUCATION FOR CHILDREN

Basic subject. E. A. Zherdina, Ogonek 41 no. 10:12-13 Mr '63.

Children and sports. Rimma Zhukova, Ogonek 41 no. 6: 6-7 F '63.

Development of coordinated hand and leg movements in elementary school children during physical education classes. A. I. Kozlov, Dokl. APN 6 no. 6:105-108 '62.

[For parents on the physical education of children] Roditeliam o fizicheskom vospitanii detei. Izd. 2. [Moskva] Izd-vo "Fizkul'tura i sport," 1962. 270 p. (DNLN)

Let's raise physical education to the level of present-day problems. Sred. spets. obr. 10 no. 3:63 Mr '63.
Moral education by means of physical education and sports. O. V. Il'in. Rad. shk. 41 no. 1:88-92 Ja '63.
Vocational trend of physical education. R. T. Rueskii. Sred. spets. obr. 10 no. 2:18-25 F '63.

PHYSICAL GEOGRAPHY

Mil'kov, F. N., and N. A. Gvozdet'skii. [Physical geography of the U.S.S.R.; general survey; the European part of the U.S.S.R. and the Caucasus] Fizicheskaya geografiya SSSR; obshchii obzor: Evropeiskaya chast' SSSR, Kavkaz. Moskva, Geografizdat, 1962. 476 p.
Theoretical principles of present-day physical geography [with summary in English, p. 104]. A. A. Grigor'ev. Vop. filoz. 17 no. 3:86-105 '63.

PHYSICAL GEOGRAPHY—STUDY AND TEACHING

Several objectives of comprehensive physico-geographical training practice. K. G. Tikhotskii. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:56-58 Mr-Apr '63.

PHYSICAL INSTRUMENTS

Homemade physical instruments. S. N. Meniovich. Rad. shk. 41 no. 2:108-110 F '63.

PHYSICAL LABORATORIES see subdivision under Caucasus

PHYSICAL METALLURGY—CONGRESSES

Colloquy on the effect of physical metallurgy on technology. S. T. Konobeevskii, I. I. Kornilov. Vest. AN SSSR 33 no. 3:122-123 Mr '63.

PHYSICAL OPTICS see Optics, Physical

PHYSICIANS see subdivision under Georgia

PHYSICS

Ivanov, B. N. [New physics; review of the fundamental principles of modern physics] Novaya fizika; obzor osnovnykh printsipov sovremennoi fiziki. Moskva, Izd-vo Akad. nauk SSSR, 1963. 134 p. (Akademika nauk SSSR. Nauchno-popularnaya seriya)

Laws of conservation. B. Bukhovtsev, G. Mikhalev. Un. tekhn. 7 no. 3:64-68 Mr '63.

"Physics" by A. I. Shugarov. Reviewed by I. M. Davydkin, A. L. Kartuzhanskii. Vest. vys. shkoly 21 no. 4:86-80 Ap '63.

[Reference book on elementary mathematics, mechanics, and physics] Spravochnik po elementarnoi matematike, i fizike. Izd. 8. Minek, Gos. izd-vo BSSR, Redaktsiya nauchno-tekhn. lit-ry, 1962. 199 p.

Vul, B. M., and E. L. Fel'nberg, eds. [From classical to quantum physics; fundamental representations in the theory of the constitution of matter] Ot klassicheskoi fiziki k kvantovoi; osnovnye predstavleniya ucheniya o stroenii materii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 89 p. (Akademika nauk SSSR. Nauchno-popularnaya seriya)

PHYSICS—ABSTRACTS

[Physics] Ref. zhur.: Fiz. no. 2 F '63.

PHYSICS—BIBLIOGRAPHY see Bibliography—Physics

PHYSICS—CONGRESSES

Second conference on nonlinear oscillations organized by the Polish and Czechoslovakian Academies of Sciences, IU. A. Mitropol'skii, Ukr. mat. zhur. 15 no. 1:115-116 '63.

PHYSICS—PHILOSOPHY

Problem of reality in contemporary physics. M. E. Omel'ianovskii, Kul't. i zhizn' 8 no. 9:18-20 '62.
Vlnokurov, B. Z. [Philosophical struggle in Russian physics in the early 20th century] Filosofskaya bor'ba v russkoi fizike v nachale XX veka. Tambov, Tambovskii gos. pedagog. in-t, 1962. 54 p.

PHYSICS—PROBLEMS, EXERCISES, ETC.

Vol'kenshtein, V. S. [Problems for the general physics course] Sbornik zadach po obshchemu kursu fiziki. Izd. 3., perer. i dop. Moskva, Fizmatgiz, 1962. 455 p.

PHYSICS—RESEARCH

In the Department of Physics and Mathematics. Vest. AN SSSR 33 no. 3:36-41 Mr '63.

PHYSICS—STUDY AND TEACHING

"Achievements of present-day physics," Reviewed by B. P. Stasuk. Rad. shk. 41 no. 2:111-112 F '63.
Analysis of practical assignments in physics fulfilled by evening (stingered) school students under production conditions. M. P. Popov, S. I. Shapuro. Sov. pedagog. 27 no. 3:48-54 Mr '63.

Andreev, G. L., and L. L. Minsanikov. [Let's disseminate physical and mathematical knowledge among the masses] Fiziko-matematicheskie znaniya - v massy. Moskva, 1962. 34 p.

[MICROFILM]

A Fabry-Perot interferometer for demonstrations. B. Sh. Perkal'skii, V. L. Larin. Usp. fiz. nauk 79 no. 4:743-745 Ap '63.

Improving the training of physics teachers in pedagogical institutions. I. A. Abartnov. Sov. pedagog. 27 no. 3:71-78 Mr '63.

Lecture demonstration of ponderomotor forces in electrotatics with the aid of a soap bubble. L. N. Kaptsov. Usp. fiz. nauk 79 no. 4:741-742 Ap '63.

Methods for presenting fundamental theories in a physics course for the upper grades of secondary schools. I. I. Logvinov. Dokl. APN 6 no. 6:35-38 '62.

Reznikov, L. I. [International System of Units in a physics course of secondary schools] Mezhdunarodnaya sistema edinits v kurse fiziki srednei shkoly. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 60 p.

Simple demonstration of the composition of harmonic oscillations. B. Sh. Perkal'skii. Usp. fiz. nauk 79 no. 4:743 Ap '63.

Some lecture demonstrations. V. A. Trofimov, V. V. Semenov. Usp. fiz. nauk 79 no. 4:745-749 Ap '63.

Special aspects of teaching physics during the training of laboratory workers in radio electronics and computer programming. S. E. Kamenetskii. Dokl. APN 6 no. 6:5-10 '62.

What should present-day practical work in physics be? V. V. Slavov and others. Vest. vys. shkoly 21 no. 4: 30-36 Ap '63.

PHYSIOLOGICAL APPARATUS

Plethysmography of the foot, thermography, sedimentography, plethysmometry and the endothelial cup test. V. A. Val'dman. Vop. pat. krovi i krovoobr. no. 6:22-45 '61.

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

PHYSIOLOGY

Fol'bert, G. V. [Selected works] Izbrannye trudy. Kiev, Izd-vo Akad. nauk USSR, 1962. 454 p.

PHYSIOLOGY—CONGRESSES

Nauchnaya konferentsiya po vozrastnoi morfologii, fiziologii i biokhimi. 6th, 1961. [Transactions of the Fifth Scientific Conference on Age-Related Morphology, Physiology, and Biochemistry] Trudy. Pod red. A. A. Markosiana. Moskva, Izd-vo Akad. nauk RSFSR, 1962. 557 p.

[MICROFILM]

PHYTOPATHOGENIC BACTERIA see Bacteria, Phytopathogenic

PHYTOPLANKTON, FOSSIL see subdivision under Siberian Platform

PICKLING see Canning and preserving

PIERS

Construction of pier-type moorings. D. E. Gurovich, A. G. Volk. Transp. stroit. 13 no. 2:23-27 F '63.

PIEZOELECTRIC SUBSTANCES

Rachkov, V. K. [Marvellous crystals] Chudesnye kristally. Moskva, Voenizdat, 1962. 72 p. (Nauchno-popularnaya biblioteka)

PIEZOMETER

Piezometric method of determining displacements of structural elements. S. V. Orlov. Prom. stroit. 40 [i. e. 41] no. 3:38-40 Mr '63.

PIGEONS AS CARRIERS OF DISEASE

Household outbreak of ornithosis connected with pigeons. L. A. Vishniakova, B. I. Mel'nik, M. I. Polesitskaya. Trudy Len. inst. epid. i mikrobiol. 23:267-272 '61.

PIGMENTS

New production variety of organic pigments for the rubber industry. V. V. Mikhailov and others. Khim. prom. no. 1:26-28 Ja '63.

PIKE see subdivision under Tsimlyansk Reservoir

PILGRIMS AND PILGRIMAGES see subdivision under Pochayev

PILING (CIVIL ENGINEERING)

(see also subdivision under Bratsk region)

Akademika stroitel'stva i arkhitektury SSSR. Institut osnovani i podzemnykh sooruzhenii. [Device for measuring average penetration per blow and its use in piling] Otkazomer i ego primeneniye na svainykh rabotakh. Moskva, Gosstroizdat, 1962. 74 p.

Driving piles without a pile driver using the UR-1250 diesel hammer. L. N. Litvinov, A. I. Solov'ev, E. P. Terusailmov. Transp. stroit. 13 no. 2:17-18 F '63.

Experimental determination of the intensity of lateral earth pressure on a pile. V. N. Morozov. Sbor. nauch. trud. LSI no. 37:147-153 '62.

Pile foundations in open port. N. N. Morareskul. Sbor. nauch. trud. LSI no. 37:115-129 '62.

Precast pile foundations. Stroitel' 9 no. 3:14-19 Mr '63.

Short driven rubble concrete piles. P. Esipenko. Stroit. i arkh. 11 no. 2:9-11 F '63.

Theoretical determination of a change in the intensity of lateral earth pressure on a pile subjected to vertical loading. V. N. Morozov. Sbor. nauch. trud. LSI no. 37: 130-140 '62.

PINACOLONE

Retroplacolla rearrangement during the dehydration of tertiary neopentyl acetylenic alcohols. IU. P. Artyshba-sheva, I. A. Favorskaya. Zhur. ob. khim. 33 no. 3: 1047-1048 Mr '63.

PINE—DISEASES AND PESTS see subdivision under Khyber Preserve

PIONEERS (COMMUNIST YOUTH)

(see also subdivision under Buryat A. S. S. R.; Ivanovo; Moldavia)

Competition for the best unit. K. Alekseev. Klub 12 no. 11:20-29 N '62.

Friends of cleanliness and order. S. Kurganov. Sov. Kras. krest 12 no. 5:25 S-O '62.

In the line of duty. Sov. Kras. krest 12 no. 5:16b S-O '62.

N. K. Krupskaya on the Pioneer movement in the light of the problems of training the younger generation. S. A. Litvinov. Sov. pedagog. 27 no. 2:98-103 F '63.

New method of training Pioneer leaders. O. Hamalko. Rad. shk. 41 no. 1:108-110 Ja '63.

Pioneer propaganda brigade. V. Petrov. Klub 12 no. 3: 28 Mr '63.

Prepare in an exemplary way for the Pioneer Camp for children's holidays. Klub 12 no. 3:22-23 Mr '63.

Russia (1917-1918). R. S. F. S. R. Ministerstvo prosvetsheniya. [Programs of secondary schools with vocational instruction; occupation of the senior Pioneer leader] Programmy srednei shkoly s proizvodstvennym obucheniem; professiya - starshi pionerskii vozhnyi. Moskva, Uchpedgiz, 1962. 140 p.

PIPE

Electronic techniques of insulating pipes for main pipelines. A. M. Zinevich. Stroit. truboprov. 8 no. 2:8-9 F '63.

Possibilities of organizing production-line manufacture of pipe lined with thermoplastics. G. I. Shapiro, L. F. Danilenko. Sbor. trud. NIST no. 12:84-81 '62.

PIPE—HYDRODYNAMICS

Resistance to the pressureless movement of water in round pipes. V. N. Kozin. Izv. vys. ucheb. zav. stroit. i arkh. 6 no. 1:69-76 '63.

PIPE—WELDING

Fatigue strength of welded pipes. V. A. Bolanin, M. N. Grigor'eva. Trakt. i sel'khoz. mash. 32 no. 12:33 D '62.

PIPE, ASBESTOS-CEMENT

Device for setting coupling sleeves on asbestos-cement pipes. E. B. Edyashko. Avtom. telemek. i aviaz. 7 no. 2: 33 F '63.

PIPE, CAST IRON

Rotating gating systems in the continuous casting of pipe. A. M. Gora, V. A. Davydov. Lit. proizv. no. 1: 13-18 Ja '63.

PIPE, PLASTIC

Expanding the uses of plastic pipe. D. F. Kagan, G. I. Shapiro, V. N. Bykhov. Sbor. trud. NIST no. 12:92-100 '62.

Reducing the thickness of the plastic layer in pipes lined with sheet vinyl plastics. G. I. Shapiro, A. V. Baryshnikova. Sbor. trud. NIST no. 12:117-121 '62.

Study of the fastening elements of interior plastic piping. D. F. Kagan, M. N. Bokhitskii, S. D. Dubrovskii. Sbor. trud. NIST no. 12:86-83 '62.

Substituting plastic materials for copper in making low pressure fuel pipes. A. P. Begidzhanova and others. Trakt. i sel'khoz. mash. 33 no. 2:43-44 F '63.

PIPE, STEEL

Analysis of the elements of joints of steel pipe lined with vinyl plastics and polyethylene. D. F. Kagan, G. G. Gusev, K. V. Sinkevich. *Sbor. trud. NIIST* no. 12:101-116 '62.

Pipes and politics. *Nov. vrem.* 20 no. 14:2-3 Ap '63. Typewriter clatters. . . Iia Meskhi. *Ogonek* 40 no. 20: 6-7 My '62.

PIPE, STEEL—WELDING

Akulov, A. I. [Automatic welding of low-carbon steel pipe in carbon dioxide] *Avtomaticheskaya svarka trub iz malouglerodistoi stali v uglekislom gase*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-48/3)

Heat-treatment hardening of pipe manufactured by the furnace welding method. I. A. S. Finkel'shteyn, V. A. Gladkovskii, G. S. Batlat. *Metalloved. i term. obr. met.* no. 3:33-35 Mr '63.

PIPE BENDING—EQUIPMENT AND SUPPLIES

A measuring and indicating device. V. P. Vedenev. *Energotek* 11 no. 2:21 F '63.

PIPE CUTTING see subdivision under Taganrog

PIPE FITTING

Unit assembly of sanitary engineering pipes. Stroltel' O no. 3:5-6 Mr '63.

Use of threadless joints between pipes, equipment, and fittings. V. I. Kulachkov. *Energotek* 11 no. 2:13-14 F '63.

PIPE FITTINGS

Study of the fastening elements of interior plastic piping. D. F. Kagan, M. N. Bokshitski, S. D. Dubrovkin. *Sbor. trud. NIIST* no. 12:66-83 '62.

PIPE JOINTS

Analysis of the elements of joints of steel pipe lined with vinyl plastics and polyethylene. D. F. Kagan, G. G. Gusev, K. V. Sinkevich. *Sbor. trud. NIIST* no. 12:101-116 '62.

PIPE MILLS

Greater use of rolled products with minus tolerances. M. P. Popov. *Metalburg* 8 no. 3:29-30 Mr '63.

Shevakin, I. U. F. [Grooving and forces in the cold rolling of pipe] *Kalibrovka i usiliya pri kholodnoi prokatke trub*. Moskva, Metallizdat, 1963. 287 p.

PIPE MILLS—DESIGN AND CONSTRUCTION

Rapid construction of a shop at the Kuz'min Plant. G. I. Ratskevich. *Prom. stroi.* 40 [i.e. 41] no. 3:5-10 Mr '63.

PIPELINE TRANSPORTATION OF SOLIDS see Hydraulic conveying

PIPELINES

(see also subdivision under Kara Kum)

Calculation of pipelines with consideration of temperature expansion and elliptical cross section of curvilinear sections. D. L. Kostovetskii. *Elek. sta.* 34 no. 3:20-25 Mr '63.

Specialized organization is required for construction of overhead crossings. E. N. Kuznetsov, L. D. Shor. *Stroi. truboprov.* 8 no. 2:3-5 F '63.

Successfully fulfill the plan for the fifth year of the seven-year plan. *Stroi. truboprov.* 8 no. 2:1-2 F '63.

PIPELINES—ABSTRACTS

[Pipeline transportation] *Ref. zhur.*; *Trub. transp.* no. 3 Mr '63.

PIPELINES—BUILDINGS AND STRUCTURES

Structural designs for technical piping at industrial enterprises with standardization between branches of industry. L. Fomii'. *Prom. stroi. i inzh. soor.* 4 no. 1:32-37 Ja-F '63.

PIPELINES—DESIGN AND CONSTRUCTION

"Field" design is an advanced, progressive method. S. V. Tikhonovskii. *Stroi. truboprov.* 8 no. 2:10-11 F '63.

PIPELINES—STANDARDS

Vexing lapses in plans. N. M. Kenashov. *Stroi. truboprov.* 8 no. 2:13 F '63.

PIPELINES—THERMAL PROPERTIES

Methods for thermotechnical calculations of heat interactions in petroleum and gas pipelines in freezing and thawing soils. G. V. Porkhaev. *Mat. k ucheb. o merz. zon. zem. kory* no. 8:75-112 '62.

PIPELINES—WELDING

Akulov, A. I., and I. A. Sokol. [Welding nonferrous metal pipelines] *Svarka truboprovodov iz tsvetnykh metallov*. Moskva, Gosstroizdat, 1962. 140 p.

PIPERIDINEDIONE

Syn-anti-isomerism of 3-aryl hydrazones of 6-methyl-2,3-piperidinedione. M. N. Prokhorovskaya and others. *Dokl. AN SSSR* 148 no. 5:1088-1090 F '63.

PIPERYLENE

Sequence of reactions in the process of hydrogenation of piperylene on a skeletal nickel catalyst. L. Kh. Fridlin and others. *Kin. i kat.* 4 no. 1:128-133 Ja-F '63.

PIPETTES—CLEANING

Deactivation of pipettes and syringes. I. I. A. Vozniuk. *Trudy Kish. gos. med. inst.* 13:187-188 '60.

PIRUMOV, ALEKSANDR

Lakhuti, A. G., Aleksandr Pirumov. Moskva, Sovetskii kompozitor, 1960. 10 p. (Melodye kompozitory Sovetskogo Soluza) (MH)

PISAREV, DMITRIY IVANOVICH, 1840-1868

Odnokov, V. G. [D. I. Pisarev's views on literature] *Esteticheskie i literaturno-kriticheskie vzglady D. I. Pisareva; uchebnoe posobie*. Novosibirsk, Novosibirskil gos. pedagog. in-t, 1961. 48 p. (MH)

PISTACHIO see subdivision under Tajikistan

PISTON RINGS

Packing rings with internal pressure. B. I. A. Gintsburg. *Vest. mashinostr.* 43 no. 3: 31-35 Mr '63.

PISTON RINGS—TESTING

Investigating the quality of piece-cast piston rings during the machining and heat treatment. S. K. Nosov. *Avi. prom.* 29 no. 3:32-35 Mr '63.

PITUITARY BODY

Possibility of the development of clinical forms of exophthalmos without the participation of the thyrotropic hormone [with summary in English]. A. S. Breslavskii, E. P. Tikhonova, E. I. Medresh. *Oft. zhur.* 17 no. 7: 423-429 '62.

PLACENTA

Characteristics of the formation of the placenta in moose (*Alces alces*) [with summary in English]. K. M. Kurnasov. *Zool. zhur.* 42 no. 2:282-288 '63.

Hemochorial type of placenta in the mink (*Mustela vison*). Z. P. Zhemkova. *Dokl. AN SSSR* 149 no. 2: 475-477 Mr '63.

Use of placental blood for prematurely born infants. T. M. Chursina-Orlygina, *Zdrav. Turk.* 2 no. 6:23-28 N-D '59.

PLACER DEPOSITS

Some characteristics of the formation of commercial concentrates of heavy minerals in inland waters. M. G. Barkovskaya. *Geol. rud. mestorozh.* 5 no. 1:50-64 Ja-F '63.

PLAGUE—PREVENTION see subdivision under Astrakhan region

PLAGUE—PREVENTIVE INOCULATION see subdivision under India

PLANE GEOMETRY see Geometry, Plane

PLANTS

With our colleagues. *Nauka i zhizn'* 29 no. 12:72-73 D '62.

PLANKTON see subdivision under Sevan, Lake

PLANT BREEDING

Akademii nauk BSSR, Minsk. Institut bitalogii. [Genetics and cytology of plants] *Genetika i tsitologiya rastenii*. Minsk Izd-vo Akad. nauk BSSR, 1962. 121 p.

Safonov, V. A. [The earth in flower] *Zemlia v tsvetu*. [Moskva] Sovetskii pisatel', 1949. 454 p. (OU)

PLANT CELLS AND TISSUES

Microscopic observations of the mitochondria in plant cells. L. V. Mozhaeva, G. M. Zhukova. *Dokl. AN SSSR* 148 no. 8:1415-1417 F '63.

PLANT COMMUNITIES

(see also subdivision under Chirchik Valley) Interrelationships of plants in a natural community [with summary in German]. L. D. Ruchkov. *Trudy Old. fiziol. i bioliz. rast. AN Tadzh. SSR* 1:143-155 '62.

PLANT LORE

Stories on "sacred" plants and animals. Vs. Kriyosheina. *Nauka i rel.* 4 no. 3:15 Mr '63.

PLANT PHYSIOLOGY

(see also subdivision under Tajikistan)

Effect of the time of felling on the physiological processes in spruce growth in clear-cut areas. A. V. Veretennikov, L. N. Burmina. *Dokl. AN SSSR* 148 no. 6:1422-1424 F '63.

"Physiology of plants" by V. A. Novikov. Reviewed by S. S. Andrenko. *Vest. sel'khoz. nauki* 7 no. 12:151-153 D '62.

PLANT REGULATORS see Growth Promoting substances

PLANTERS (AGRICULTURAL MACHINERY)

The SKNK-6 combination corn planter. V. I. Serov. *Trakt. i sel'khoz. mash.* 33 no. 2:42 F '63.

The SUP-4A universal transplanting machine. A. M. Il'in. *Trakt. i sel'khoz. mash.* 33 no. 2:43 F '63.

Types of tractor-mounted vegetable and sugar beet planters. V. I. Aleksandrov, B. F. Kuznetsov. *Trakt. i sel'khoz. mash.* 32 no. 12:28-30 D '62.

PLANTS—CHEMICAL ANALYSIS

(see also subdivision under Bet-Pak-Dala; Tashkent Province)

Effect of soil characteristics, fertilizers, and wintering conditions on the biochemical processes occurring in winter rye during the fall, winter, and spring periods. N. S. Avdonin, B. M. Zelikson. *Pov. plod. pochv. nechernozem. pol.* no. 2:24-47 '62.

Gorlaev, M. I., and others. [Chemical composition of wormwoods] *Khimicheskiy sostav polynoi*. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSSR, 1962. 151 p.

PLANTS—FROST RESISTANCE

(see also subdivision under Tashkent)

Diagnosis of the frost resistance of plants. K. E. Ovcharov. *Shkola i proizv.* 6 no. 11:74-75 N '62.

Effect of soil characteristics, fertilizers, and wintering conditions on the metabolism in winter wheat. N. S. Avdonin, E. V. Kuzina. *Pov. plod. pochv. nechernozem. pol.* no. 2:102-121 '62.

Effect of wintering conditions on the growth of plants during the frostless spring and winter period. N. S. Avdonin and others. *Pov. plod. pochv. nechernozem. pol.* no. 2:122-136 '62.

Some methods of increasing the frost resistance of grapevines as related to the dynamics of carbohydrate metabolism [with summary in English]. M. I. Nikolaeva, P. P. Chuvaev, M. I. Brodnikovskii. *Trudy Old. fiziol. i bioliz. rast. AN Tadzh. SSR* 1:76-105 '62.

PLANTS—METABOLISM

Effect of gibberellin on the metabolism in germinating corn seeds. I. G. Vyval'ko. *Dokl. AN SSSR* 149 no. 4: 979-981 Ap '63.

Effect of soil characteristics, fertilizers, and wintering conditions on the metabolism in winter wheat. N. S. Avdonin, E. V. Kuzina. *Pov. plod. pochv. nechernozem. pol.* no. 2:102-121 '62.

PLANTS—NUTRITION

Biological role of microelements. V. A. Kapitanchuk. *Rad. sluk.* 41 no. 1:19-23 Ja '63.

Matskov, F. P. [Plant physiology] *Fiziologiya roslin; korouky kurs lektsii dlia studentiv-zachnykhv agronomicheskoi i ekonomicheskoi fakul'teti sliv'sko-khospodars'kykh vuziv*. [Kyiv] Derzhav. hospvydav URSS.

No. 1. [Physiology of plant nutrition] *Fiziologiya zhivlennia roslin*, [1962] 137 p. (Lektsii i posilnyky dlia studentiv-zachnykhv sliv'sko-khospodars'kykh vuziv)

PLANTS—WATER REQUIREMENTS

Dynamics of water content in the leaves of some herbaceous plants in the dry forests of pubescent oak. K. H. Vitko. *Izv. Mold. fil. AN SSSR* no. 1:53-60 '61.

PLANTS, CULTIVATED

[Plant culture] *Ref. zhur.*; *Rast.* nos. 4, 7 F, Ap '63.

PLANTS, EFFECT OF ARIDITY ON

Comparative anatomic analysis of the adaptation of the leaves and wood of some plants in Azerbaijan to drought conditions. Sh. G. Dadashova. *Dokl. AN SSSR* 148 no. 5:1211-1214 F '63.

Effect of wilting on the assimilation of phosphorus by tomatoes and lemon [with summary in German]. P. P. Chuvaev, S. A. Turanova. *Trudy Old. fiziol. i bioliz. rast. AN Tadzh. SSR* 1:106-142 '62.

PLANTS, EFFECT OF CHLORINE ON

Chlorine content of Podzolic soils and field crops. F. I. Levin, E. N. Cubbolina. *Pov. plod. pochv. nechernozem. pol.* no. 2:137-141 '62.

PLANTS, EFFECT OF GAMMA RAYS ON

Changes in the complex of substances of phenol origin in the case of mechanical injuries to potato plants by gamma irradiation. E. N. Mukhin. *Dokl. AN SSSR* 148 no. 6:1405-1407 F '63.

Effect of soil conditions in plant growing on changes in the aftereffect of gamma rays. E. I. Ermakov, V. N. Savin. *Sbor. trud. po agron. fiz.* no. 10:42-47 '62.

Increasing carrot yields by treating their seeds with X rays and gamma rays before sowing [with summaries in English, German and French]. N. M. Berezina, G. I. Shchubria, R. R. Riza-Zade. *Vest. sel'khoz. naudi* 7 no. 12:31-33 D '63.

PLANTS, EFFECT OF INSECTICIDES ON

Intoxication of cotton with organophosphorus insecticides in relation to its water-supply. T. V. Bobyreva. *Vop. biol. i kraev. med.* no. 3:173-181 '62.

PLANTS, EFFECT OF LIGHT ON

Studying the effect of light and aeration on the germination of weed seeds in soil. B. P. Goncharov, I. B. Revut. *Sbor. trud. po agron. fiz.* no. 10:22-28 '62.

Using electric light in growing plants. B. S. Moskvov. *Sbor. trud. po agron. fiz.* no. 10:5-12 '62.

PLANTS, EFFECT OF MAGNETIC FIELDS ON

Effect of the magnetic field on biological material. A. I. Mochalkin, G. R. Rik, N. F. Batygin. *Sbor. trud. po agron. fiz.* no. 10:48-50 '62.

PLANTS, EFFECT OF MOLYBDENUM ON

Effectiveness of molybdenum and its influence on the biochemical processes in plants as related to the characteristics of soils. N.S. Avdonin, I.P. Arens. *Pov. plod. pochv. nechernozem. pol.* no. 2:153-161 '62.

PLANTS, EFFECT OF RADIATION ON

Action of radiators on phytocenoses and the effect of the latter on the migration and redistribution of radioisotopes in soils. N.V. Kulikov and others. *Trudy Inst. biol. UFA N SSSR*, no. 22:31-47 '62.

Effect of ionizing radiation on plants. N.F. Batygin. *Sbor. trud. po agron. fiz.* no. 10:14-21 '62.

PLANTS, EFFECT OF SOIL AERATION ON

Studying the effect of light and aeration on the germination of weed seeds in soil. B.P. Goncharov, I.B. Revut. *Sbor. trud. po agron. fiz.* no. 10:22-26 '62.

PLANTS, EFFECT OF TEMPERATURE ON

Determining the heat resistance of spring wheat varieties [with summaries in English, German, and French]. T.V. Oleinikova. *Vest. sel'khoz. nauk* 7 no. 12:95-100 D '62.

Effect of different temperatures on the change of protein substances in cottonseed during the process of their germination. T. Nasibov. *Vop. biol. i krav. med.* no. 3:247-250 '62.

Effect of temperature on the oxidative phosphorylation of mitochondria preparations of peas. O.A. Semikhaitova, T.M. Bushueva. *Dokl. AN SSSR* 140 no. 4:982-984 Ap '63.

Heat as a potential for increasing the yield of cotton. A. Saidkhodzhaev. *Nar. khoz. Uzb.* 5 no. 3:78-79 Mr '63.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of treating seeds with trace elements on the yield of corn on Podzolic soils in the Moscow region. P.A. Gorlamova, I.U. I. Shaidorov. *Pov. plod. pochv. nechernozem. pol.* no. 2:142-152 '62.

PLANTS, EFFECT OF ULTRASONIC WAVES ON

Ultrasonic treatment of the seeds of farm crops before planting. R. N. Torosian. *Nauch. trudy VIESKH* 11: 81-82 '62.

PLANTS, EFFECT OF X RAYS ON

Increasing carrot yields by treating their seeds with X rays and gamma rays before sowing [with summaries in English, German and French]. N.M. Berozina, G.I. Shchibria, R. R. Riza-Zade. *Vest. sel'khoz. nauk* 7 no. 12:31-33 D '63.

PLANTS, FLOWERING OF

Data on the biology of the flowering of ornamental rudbeckias in Tashkent. S. Khudzhaniyazova. *Vop. biol. i krav. med.* no. 3:51-58 '62.

PLANTS, PROTECTION OF see subdivision under Lithuania

PLANTS, SPACE ARRANGEMENT OF

Effect of space arrangement on the development of the root system of Black Sea grapevines. V. I. Ilabovuch. *Vsiy sel'khoz. nauki* 6 no. 2:80-100 F '63.

Effectiveness of fertilizers as related to the method of spacing sugar beets. P.O. Lut. *Vsiy sel'khoz. nauki* 6 no. 2:93-94 F '63.

Methods for mechanical formation of the optimal stand density of sugar beets. S.I. Kuz'mych. *Vsiy sel'khoz. nauki* 6 no. 2:33-44 F '63.

PLASMA (IONIZED GASES)

Cyclotron instability of an inhomogeneous plasma [with summary in English]. A.B. Mikhailovskii, A.V. Timofeev. *Zhur. eksp. i teor. fiz.* 44 no. 3:919-921 Mr '63.

Dependence of the effective ionization potential on the concentration of readily ionizable impurities in an arc discharge. O.P. Semenova, M.A. Levchenko. *Opt. i spekt.* 13 no. 4:610-612 O '62.

Diffusion of charged plasma particles in a magnetic field. V.E. Golant. *Usp. fiz. nauk* 79 no. 3:377-440 Mr '63.

Effect of collisions on the disturbances around a body moving in a plasma [with summary in English]. L.P. Pitaevskii. *Zhur. eksp. i teor. fiz.* 44 no. 3:969-979 Mr '63.

Electromagnetic radiation from a plasma produced by a straight high-current discharge. V.A. Suprunenko and others. *Atom. energ.* 14 no. 4:349-352 Ap '63.

Passage of a plasmoid through an adiabatic trap with magnetic mirrors. N.N. Brevnov, A.I. Matulis. *Atom. energ.* 14 no. 4:354-358 Ap '63.

Stability of a spatially inhomogeneous plasma in a magnetic field [with summary in English]. A.B. Mikhailovskii, L.I. Rudakov. *Zhur. eksp. i teor. fiz.* 44 no. 3: 912-918 Mr '63.

"Universal" instability of an inhomogeneous plasma in a magnetic field [with summary in English]. A.A. Galeev, V.N. Orlovskii, R.Z. Sagdeev. *Zhur. eksp. i teor. fiz.* 44 no. 3:903-911 Mr '63.

Volume recombination in a cesium plasma [with summary in English]. I.U. M. Aleksovskii. *Zhur. eksp. i teor. fiz.* 44 no. 3:840-847 Mr '63.

PLASMA (IONIZED GASES)—SPECTRA

Radiant transfer in the continuous spectrum in the absence of thermal equilibrium [with summary in English]. D.A. Frank-Kamenetskii. *Astron. zhur.* 40 no. 2:235-244 Mr-Apr '63.

PLASMA OSCILLATIONS

Interaction between fast particles and low-frequency plasma oscillations [with summary in English]. V.N. Tsytovich. *Zhur. eksp. i teor. fiz.* 44 no. 3:946-956 Mr '63.

PLASTER CASTS, DENTAL

Determination of central occlusion using solid plaster blocks. M.I. Piasetskii. *Probl. stom.* 8:272-274 '62.

PLASTERING

Plasterers improve their skill. *Stroitel'* 9 no. 3:10-11 Mr '63.

PLASTIC FILMS

Plastic coating for forms. N.S. Derevianko. *Transp. stroit.* 13 no. 2:52-53 F '63.

Some biological characteristics of cucumbers growing under cover made of various polymer films. T.E. Pashchenko. *Sbor. trud. po agron. fiz.* no. 10:27-32 '62.

PLASTIC PIPE see Pipe, Plastic

PLASTICS

Analysis of the elements of joints of steel pipe lined with vinyl plastics and polyethylene. D.F. Kagan, G.G. Gusev, K.V. Slukovich. *Sbor. trud. NIIST* no. 12:101-116 '62.

Contributions of plastics to construction. *Na stroit. Ros.* 4 no. 1:15, 23, 29 Ja '63.

Gol'ts, V.E. [Plastic materials and ion exchange resins, their production and industrial applications; general concept of polymeric materials and their classification. Lecture No. 1 (introduction)] *Plasticheskie massy i ionobmennyye smoly, ikh proizvodstvo i primeneniye v promyshlennosti; obshcheye ponimaniye o polimernykh materialakh i ikh klassifikatsiya. Lektsiya No. 1. (vvedeniye)*. Kiev, 1962. 38 p. (Kievskiy dom nauchno-tekhnicheskoy propagandy. Zaochnyy seminar) [MICROFILM]

Initial elastoplastic deformations caused by contact loading of plastics. E.M. Turvaskii, P.F. Prasolov. *Vest. mashinostr.* 43 no. 2:45-48 F '63.

Introduce plastic products into housing management. Sh. Golant. *Zh. i. -kom. khoz.* 13 no. 2:12-13 '63.

Manufacturing parts of wood plastics. E.I. Krutkov. *Mashinostroitel'* no. 2:34-35 F '63.

The mighty molecule. D.F. Kulakov. *Izobr. i rata.* no. 1:2-3 '63.

Part of a house made of plastic. *Stroitel' arkhitekt. Mosk.* 12 no. 2:20-21 F '63.

Plastic and synthetic materials used in shipbuilding in the German Democratic Republic. V.M. Bakharev. *Biul. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota.* 7 no. 5:114-118 '62.

[Plastic building materials] *Stroitel'nyye materialy iz plasticheskikh mass*. [By] V.A. Vorob'ev, V.V. Korovin-kova, G.P. Fedoseev. [Moskva] Mosk. rabochii, 1962. 179 p.

Plastic flush tanks. M.E. Borisov, R.G. Babushkina. *Sbor. trud. NIIST* no. 12:5-28 '62.

Plastic siphon traps and outlets for washbowls. R.G. Babushkina, M.E. Borisov. *Sbor. trud. NIIST* no. 12: 27-42 '62.

PLASTICS—DICTIONARIES

Gurarii, M.G., and S.S. Iofe, comps. [English-Russian dictionary on plastics] *Anglo-russkii slovar' po plastmassam*. Pod red. L.M. Pesina. Moskva, Glav. red. inostr. nauchno-tekhn. slavaresl. Fil'matgiza, 1963. 144 p.

PLASTICS—STANDARDS

[Plastics of organic origin; testing methods] *Plasticheskie massy organicheskogo proislozhdeniya; metody ispytaniya*. Izd. ofitsial'noe. Moskva, Standartizatsiya, 1963. 70 p. (SSSR. Gosudarstvennyye standarty)

PLASTICS—TESTING

Experimental dependences characterizing internal energy dissipation of certain structural plastics. V.M. Chernyshev. *Vest. mashinostr.* 43 no. 3:44-47 Mr '63.

Igonin, L.A., and E.E. Glukhov. [DVF-3 Multipurpose machine for testing the mechanical properties of plastic materials] *Universal'naya mashina DVF-3 dlya ispytaniy mekhanicheskikh svoystv plastmass*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1966. 11 p. (Priboiry i standarty. Tema 2. No. P-58-518)

PLASTICS IN MEDICINE

Use of quick-setting plastics for preparing pivot teeth. A.A. Kotliar, L.M. Kovbasiuk. *Probl. stom.* 8:258-258 '62.

PLASTICS INDUSTRY see subdivision under Mytilshchi

PLASTOV, ARKADI ALEKSANDROVICH, 1893-

Sunny studio. A. Zhukova. *Ogonek* 40 no. 48:16-17 D '62.

PLATE TOWERS

Column with grid-type plates for benzene hydrocarbon desorption from coal tar absorbing oil. A.I. Mironov. *Koks i khim.* no. 3:33-34 '63.

Entrainment and hydraulic calculation of columns with nonoverflowing plates. L.E. Sum-shik, M.E. Aerov, T.A. Bystrova. *Khim. prom.* no. 1:63-66 Ja '63.

PLATES, IRON AND STEEL

Rated thickness of worn plating on ship hulls. D.T. Chupakia. *Inform. sbor. TSNIIMF* no. 75. Tekh. eksp. mor. flota no. 14:80-94 '62.

PLATINUM

Recombination of hydrogen atoms on the surface of platinum. I.N. Frantsevich, V.A. Lavrenko. *Dokl. AN SSSR* 148 no. 5:1137-1140 F '63.

PLATINUM COMPOUNDS

Complex compounds of bivalent platinum with valine. L.M. Volshchik, G.D. Zegzhda. *Zhur. neorg. khim.* 7 no. 7:1825-1820 Ji '62.

Instability constants of platinum complexes. A.A. Grinberg, G.A. Shagisultanova, M.I. Gelfman. *Izv. AN SSSR, Khim. nauk* no. 4:595-598 Ap '63.

Proof of the configuration of cis-trans isomeric compounds (PtCl₂(NH₃)₂)Cl₂. A.A. Grinberg, O.N. Adrianna, I.I. Kan [Yuan K'ang]. *Dokl. AN SSSR* 149 no. 4:842-845 Ap '63.

Reaction of bromine with some tetravalent platinum aminates. I.U. N. Kukushkin. *Zhur. neorg. khim.* 8 no. 4: 823-820 Ap '63.

Reaction of chlorine with palladium and platinum aminates. I.U. N. Kukushkin. *Zhur. neorg. khim.* 8 no. 4: 817-822 Ap '63.

PLAY

Vital problems of the pedagogical theory of play. R.I. Zhukovskaya. *Sov. pedagog.* 27 no. 3:88-96 Mr '63.

PLEKHANOV, GEORGI VALENTINOVICH, 1856-1918

G.V. Plekhanov as the historian of the revolutionary Populist movement in the 1870's. Sh.M. Levin. *Trudy LOH AN SSSR* no. 5:20-75 '63.

PLITAS, PAVEL SAVVICH, 1892-

Pavel Savvich Plitas; on his seventieth birthday. *Ofit. zhur.* 17 no. 7:446-447 '62.

PLOWING

Work conversion coefficient. T. Komarova, V. Smirnova. *Sel', mekh.* no. 8:22 '62.

PLOWS

The PRS-4-30 plow for rice fields. G.D. Kaluzhnyi, G.I. Danilevich. *Trakt. i sel'khoz. mash.* 33 no. 2:41-42 F '63.

PLUMBING

Use of threadless joints between pipes, equipment, and fittings. V.I. Kulachkov. *Energetik* 11 no. 2:13-14 F '63.

PLUMBING—EQUIPMENT AND SUPPLIES

Plastic siphon traps and outlets for washbowls. R.G. Babushkina, M.E. Borisov. *Sbor. trud. NIIST* no. 12: 27-42 '62.

PLURALITY OF WORLDS

There is life on Mars! Sergei Gashchev. *V mire knig* no. 2:18 F '63.

PNEUMATIC CONTROL

Drying and purification of the compressed air for the automatic devices of production lines in the production of tomato paste. V.S. Okolev. *Kons. i ov. prom.* 18 no. 3:27-28 Mr '63.

PNEUMATIC CONVEYING

[Hydraulic and pneumatic transportation in mining enterprises] *Gidravlicheskiy i pnevmaticheskii transport na gornykh predpriyatiyakh*. [By] A.O. Spivakovskii i dr. Moskva, Gosgortekhzdat, 1962. 250 p.

Pneumatic conveying of concrete in construction of the Kiev subway. P. Tutumnikov, A. Oboznyi. *Stroitel' arkhitekt.* 10 no. 7:30 Ji '62.

PNEUMATIC GAUGES

Gorulyov, O.K. [Design of pneumatic measuring devices] *Konstruktsii pnevmaticheskikh izmeritel'nykh ustroystv*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 10 p. (Peredovoy nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-283/15)

PNEUMATIC-TUBE TRANSPORTATION

Mechanized cleaning of ash sluices. B.A. Smulakovskii. *Energetik* 10 no. 6:14-15 Je '62.

POCHAYEV—PILGRIMS AND PILGRIMAGES

Under golden cupolas. I. Platun. *Voiev. atelst* 3 no. 3: 30 Mr '63.

PODBEL'SKII VADIM NIKOLAEVICH, 1887-1920

Rasin, B.I. [V.N. Podbel'skii, a talented organizer of Soviet telecommunication] *Talantliivy organizator sotsialisticheskoy svyazi V.N. Podbel'skii*. [Moskva] Svyaz'izdat, 1962. 126 p.

PODKAMENNAYA TUNGUSKA VALLEY—METEORITES

Height of the explosion of the Tunguska meteorite [with summary in English]. K.G. Ivanov. *Astron. zhur.* 40 no. 2:329-331 Mr-Apr '63.
On the track of a visitor from space (conclusion). A. Zolotov. *Sinema* 39 no. 19:30-31 O '62.
Radiophotography of wood from the area affected by the fall of the Tunguska meteorite. I.U. M. Emel'yanov, V.I. Nekrasov. *Dokl. AN SSSR* 148 no. 6:1418-1421 F '63.

PODOL'SK—ALCOHOLISM

Pay day. A. Levina, B. Turovskaya. *Rabotnitsa* 40 no. 8:27-28 Je '62.

PODOL'SK—MACHINERY INDUSTRY

Flow of suggestions. I. Titova. *Izobr. i rats.* no. 7:1-2 Ji '62.

PODVOROVKA (KELMENTS DISTRICT)—JEHOVAH'S WITNESSES

The wings of the young get stronger. N. Kryzhaniv'ska. *Votovatel'st* 3 no. 3:36 Mr '63.

PODZOL

(see also subdivision under Moscow Province)

Chlorine content of Podzolic soils and field crops. F.I. Levin, E.N. Cubbotina. *Pov. plod. pochv. nechernozem. pol.* no. 2:137-141 '62.

Dynamics of chemical properties of soil waters and loss of soil formation elements and fertilizers from the arable layer of slightly cultivated highly Podzolic turf soils, according to the results of the first year of lysimeter use. F.I. Levin. *Pov. plod. pochv. nechernozem. pol.* no. 2:58-64 '62.

Effectiveness of plowing turf-Podzolic soils for spring wheat with and without a moldboard. P. P. Zaev, G. E. Kozlov. *Sbor. trud. po agron. fiz.* no. 10:110-124 '62.

Optimal amounts of lime for corn in turf-Podzolic soils. F. A. Gorlenova. *Pov. plod. pochv. nechernozem. pol.* no. 2:85-92 '62.

Practices in fertilizing potatoes in light turf-Podzolic soils [with summaries in English, German, and French]. K. P. Magnitskii. *Vest. sel'khoz. nauk* 7 no. 12:34-39 D '63.

Practices in using structure-forming polymers in turf-Podzolic soils. N. P. Polasov. *Sbor. trud. po agron. fiz.* no. 10:192-195 '62.

Translocation of exchangeable calcium throughout the profile of Podzolic forest soils [with summaries in English, German, and French]. B. D. Zaitsev. *Vest. sel'khoz. nauk* 7 no. 12:92-94 D '62.

Water consumption by corn in turf-Podzolic soils [with summaries in English, German and French]. N. N. Tret'yakov, A. P. Stritsyna. *Vest. sel'khoz. nauk* 7 no. 12:25-30 D '63.

Yield and quality of potatoes in Podzolic soils as related to the conditions of nutrition. A. P. Yakovlev. *Pov. plod. pochv. nechernozem. pol.* no. 2:93-101 '62.

POETRY—CONGRESSES

Poetry festival. *Sov. Soluz* no. 2:12-13 '63.

POGREBOV, NIKOLAI FEDOROVICH, 1880-1960

Life and work of Nikolai Fedorovich Pogrebov. M. I. Kurnudzh. *Zap. LGI* 44 no. 2:9-14 '62.

POISONING

Treatment of terminal states in acute poisonings. V. M. Ezhov. *Sov. zdrav. kir.* no. 1:56-57 Ja-F '63.

POKROVSKII, NIKHAIL NIKOLAEVICH, 1868-1932

Rehabilitation of M. N. Pokrovskii. P. K. Urban. *Mat. i soob. Issl. otb. Inst. po izuch. SSSR* no. 40:31-47 D '62.

POKRYSHKIN, ALEKSANDR, 1913-

One "Mig" from a thousand; a documentary tale (to be continued). Iurii Zhukov. *Znamia* 33 no. 3:154-169 Mr '63.

POLAND—BIBLIOGRAPHY

[New literature on Poland] Nov. III, po Pol'. no. 12 '62; no. 1 '63.

POLAND—CAPITAL INVESTMENTS

Methodology and practice in determining the efficiency of capital investments in the Polish People's Republic. M. Bartniskii, M. Rakovskii. *Plan. khoz.* 40 no. 4: 59-64 Ap '63.

POLAND—CONSTRUCTION EQUIPMENT

At the Polish Exhibition of Construction Equipment. S. Savinov. *Zhil. stroi.* no. 2:30-32 '63.
Machines manufactured by our Polish friends. N. N. Mazok. *Stroi. i dor. mash.* 8 no. 2:33-37 F '63.

POLAND—CYTOLOGY

European conference on tumor biology and cytochemical research in the laboratories of the Polish People's Republic. I. B. Zbarskii. *TSitologiya* 4 no. 3:368-370 My-Je '62.

POLAND—ECONOMIC GEOGRAPHY

[Western territories of Poland. Translated from the Polish] *Pol'skie zapadnye zemli. Predisl. i red.* I. S. Borikova. Moskva, Izd-vo Inostr. Lit-ry, 1962, 291 p.

POLAND—HARBORS

Harbors of the Polish People's Republic. S. M. Sakharov. *Bliz. tekhn. -ekon. inform. Tekhn. upr. Min. mor. flota* 7 no. 5:88-96 '62.

POLAND—REVOLUTION, 1863-1864

Historical significance of the uprising of 1863-1864. A. Z. Baraboi. *Ukr. ist. zhur.* 6 no. 1:24-34 Ja-F '63.
"Materials and notes on the Polish Revolution of 1863" by Oskar Awejde. Reviewed by G. Marakhov. *Sov. Ukr.* 13 no. 1:187-198 Ja '63.
Ukrainian participation in the uprising of 1863-1864. V. U. Pavelko. *Ukr. ist. zhur.* 6 no. 1:34-41 Ja-F '63.

POLAND—RELATIONS (GENERAL) WITH RUSSIA

Lerov, L. M. [You are acquainted with them...; sketches] *Vy s nimi znakomy...; ocherki.* Moskva, Izd-vo "Pravda," 1963. 46 p. (Biblioteka "Ogonek," no. 8)

POLAND—ROAD MACHINERY

Machines manufactured by our Polish friends. N. N. Mazok. *Stroi. i dor. mash.* 8 no. 2:33-37 F '63.

POLAND—STOWAGE

Classification of freighter holds according to the difficulty of stowing coal and coke. V. Vasil'ev. *Mor. flot* 23 no. 3:42-43 Mr '63.

POLAND—STRIKES AND LOCKOUTS

Revolutionary struggle of Polish agricultural laborers in 1918. K. Ivanova. *Nov. i noveish. ist.* no. 2:174 '63.

POLAND—TEXTILE INDUSTRY

Give more leisure time to women workers! Maria Kochanowska. *Vsem. prof. dvizh.* no. 3:22-23 Mr '63.

POLAND—WOMEN—EMPLOYMENT

Give more leisure time to women workers! Maria Kochanowska. *Vsem. prof. dvizh.* no. 3:22-23 Mr '63.

POLARIZATION (ELECTRICITY)

Cathodic polarization during the electrolytic deposition of a lead-tin alloy. V. I. Lainer, I. I. Tszu-zhan' [Yü Tsu-jan]. *Zhur. prikl. khim.* 36 no. 2:350-358 F '63.
Electric charges due to the deformation of polymers. V. E. Gul', G. A. Lushcheikin, B. A. Dogadkin. *Dokl. AN SSSR* 149 no. 2:302-304 Mr '63.

POLARIZATION (LIGHT)

Lain, L. A. [Impact-tension test of hard polymers. Polarization unit for optical investigation of stresses] *Koper dlia ispytaniia tverdykh polimerov na udarnoe rastiazhenie. Poliarizatsionnaya ustanovka dlia issledovaniia napriazhenii opticheskim metodom.* [By] B. M. Zuev i S. G. Stepanov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32. No. P-58-13/5)

Possible shapes of the reflection band and their variation as a function of the angle of incidence and the polarization of light; dispersion effect of reflection bands. Chzhan Guan-in' [Chang Kuan-yn]. *Opt. i spektr.* 13 no. 4:536-541 O '62.

POLARIZATION (NUCLEAR PHYSICS)

Polarization of internal conversion particles following β -decay. S. M. Darbinian. *Izv. AN Arm. SSR. Ser. fiz. -mat. nauk* 16 no. 1:105-110 '63.

POLAROGRAPHY

Oscillographic polarography of some developing agents. V. M. Gorokhovskii, N. M. Kuzovko. *Zhur. nauch. i prikl. fot. i kin.* 8 no. 2:149-151 Mr-Apr '63.
Oscillographic characteristics of color photographic developing agents. G. P. Sennikov. *Zhur. nauch. i prikl. fot. i kin.* 8 no. 2:144-146 Mr-Apr '63.
Polarographic properties of diquaternary ammonium derivative of ethylenediamine with activated C-N bonds. A. I. Lopushanskii, V. P. Denisenko, M. V. Pokhmurskaya. *Zhur. ob. khim.* 33 no. 3:728-731 Mr '63.

POLE VAULTING

Biography of a pole. V. Petrusenko. *Ogonek* 41 no. 10:16 Mr '63.

POLETAEV, FEDOR ANDRIANOVICH

Fedor Poletaev is the name of the hero. *Sov. Soluz* no. 2:30 '63.

POLETAEV, NIKOLAI GUR'EVICH, 1872-1930

Snytkin, M. M. N. G. Poletaev. Moskva, Gospolitizdat, 1962, 45 p.

POLEVOI, BORIS NIKOLAEVICH

"On the wild shore" by B. Polevoi. Reviewed by Martyn Merzhanov. *V mire knig* 3 no. 3:23-24 Mr '63.

POLICE

Responsibility for attempts upon the lives of regular or auxiliary policemen. G. Levitskii. *Sov. iust.* no. 4:18-18 F '63.

POLITICAL PRISONERS see subdivision under Rumania

POLITICAL SCIENCE

Ideological and political predicament of present-day bourgeois democracy. N. E. Ovcharenko. *Vop. ist.* 38 no. 3:181-192 Mr '63.
"Learned group" and the Enlightenment of the 18th century [with summary in English, p. 220]. P. P. Epifanov. *Vop. ist.* 38 no. 3:37-53 Mr '63.

POLKANOV, ALEKSANDR ALEKSEEVICH, 1888-1963

A. A. Polkanov; an obituary. *Vest. AN SSSR* 33 no. 3:97 Mr '63.

POLLINATION see Fertilization of plants

POLOUSNYI RANGE—MINERALS

Analysis of the distribution of accessory and postmagmatic minerals in granites of the Omchikandunskiy massif and ore veins. I. S. Ipat'eva. *Nauchnoob. IAFAN SSSR* no. 7:151-154 '62.

POLYAMIDES

Preparation of copolymers based on capron and AG salt. I. A. A. Kharit, A. S. Shpital'nyi, M. A. Sokolovskii. *Zhur. prikl. khim.* 36 no. 2:467-468 F '63.

Using polyamide coatings to increase the wear resistance of machine parts subjected to friction. G. A. Dobrovinskii, M. M. Boltyi. *Izv. vyz. ucheb. zav. i tekhn. leg. prom.* no. 1:183-191 '63.

POLYETHYLENE—ELECTRIC PROPERTIES

Effect of iodine on the electric properties of products formed by a radiation-thermal modification of polyethylene. A. V. Vannikov, N. A. Bakht. *Dokl. AN SSSR* 149 no. 2:387-390 Mr '63.

POLYGLOT DICTIONARIES see Dictionaries, Polyglot

POLYMERIZATION

Cathodic hydrodimerization of esters of α, β -unsaturated acids. A. P. Tomilov, L. V. Kanbak. *Zhur. ob. khim.* 33 no. 3:731-734 Mr '63.

Condensation of α, ω -dihydroxymethylsiloxanes with 1,3-diacetoxy-1,3-dimethyl-1,3-diphenylsiloxane. K. A. Andrianov and others. *Izv. AN SSSR. Otd. khim. nauk* no. 4:651-654 Ap '63.

Effect of some factors on the yield of polymers and on their granulometric composition in the suspension polymerization of divinylbenzenes. M. F. Nagiev and others. *Azerb. khim. zhur.* no. 2:71-79 '62.

Effect of the nature of cations M^+ in MCl on the catalytic activity of solutions $CuCl - MCl$ during the process of vinylacetylene dimerization. I. M. Dolgopod'nik, A. I. Kaban'skii, Z. F. Dobler. *Zhur. prikl. khim.* 36 no. 7: 304-308 F '63.

Electrophysical properties of Schiff polybases formed by benzyl and paraphenylenediamine. B. E. Davyshev and others. *Izv. AN SSSR. Otd. khim. nauk* no. 4: Ap '63.

Emulsion polymerization with surface-active initiation. A. I. Urzhenko, V. A. V. P. Shabanov. *Dokl. AN SSSR* 149 no. 5:1145-1147 F '63.

Organoboron compounds. Report No. 115; Polycyclic reaction of β -alkyl mercapto derivatives of borazole with hexamethylenediamine and diols. B. M. Mikhailov, A. F. Galkin. *Izv. AN SSSR. Otd. khim. nauk* no. 4:561-565 Ap '63.

Polymers and copolymers of derivatives of ferrocene obtained by the polyrecombination method. S. I. S. S. V. V. Korshak, V. P. Alekseeva. *Dokl. AN SSSR* 149 no. 2:327-329 Mr '63.

Radiation-initiated polymerization of fluorocolefins. V. A. Khramchenkov. *Dokl. AN SSSR* 149 no. 2:338-340 Mr '63.

Reaction of aluminum alkyls with hydrogen. K. S. Minkov and others. *Izv. AN SSSR. Otd. khim. nauk* no. 4:637-640 Ap '63.

POLYMERS

Electric charges due to the deformation of polymers. V. E. Gul', G. A. Lushcheikin, B. A. Dogadkin. *Dokl. AN SSSR* 149 no. 2:302-304 Mr '63.

Ferrocene-based synthesis of polymers and some of their electrophysical properties. I. A. M. Paulitskii and others. *Dokl. AN SSSR* 149 no. 4:566-569 Ap '63.

Functional analysis of macromolecular compounds. Report No. 1: Microdetermination of methoxy groups in copolymers and polymers [with summary in English]. A. I. Lebedeva, E. S. Pisarenko. *Zhur. anal. khim.* 17 no. 5:636-638 Ag '62.

Gol'ts, V. E. [Plastic materials and ion exchange resins, their production and industrial applications; general concept of polymeric materials and their classification. Lecture No. 1 (Introduction)] *Plasticheskie massy i ionoobmennye smoly, ikh proizvodstvo i primeneniye v promyshlennosti; obshchee ponimaniye o polimernykh materialakh i ikh klassifikatsiya. Lektsiya No. 1 (vvedeniye).* Kiev, 1962, 38 p. (Kiyevskii dokl. nauchno-tekhnicheskoi propagandy. Zaochnyi seminar) [MICROFILM]

Installing chemically stable floors using polymers. M. A. Moshchanskii, I. E. Putilaev. *Prom. stroi.* 41 no. 3: 35-38 F '63.

Nekriach, I. E. F. [Polymers in technology and everyday life] *Polimery v tekhnike i povseidnevnomu zhyti.* Kyiv, Vyd-vo Akad. nauk URSR, 1962, 63 p. (Akademiya nauk Ukrainy 'koi URSR. Naukovo-popul'arna literatura)

Optimal doses for a structure-forming polymer as related to the specific surface of soil and quartz sand. I. A. Romanov. *Sbor. trud. po agron. fiz.* no. 10:186-191 '62.

Organoboron compounds. Report No. 116; Reactions of polymers of alkyl mercapto boranes with unsaturated compounds. B. M. Mikhailov and others. *Izv. AN SSSR. Otd. khim. nauk* no. 4:646-651 Ap '63.

POLYMERS (Continued)

- Polymers should be used in the manufacture of machinery. A. Dem'ianovich. NTO 5 no. 2:13-16 F '63.
- Practices in using structure-forming polymers in turf-Podzolic soils. N. P. Potasov. Sbor. trud. po agron. fiz. no. 10:192-196 '62.
- Reduction of some elements by a redox polymer. A. V. Gordievskii, E. V. Renard. Zhur. prikl. khim. 36 no. 2:264-272 F '63.
- Tension of a polymeric chain in the network. T. N. Khazanovich. Uch. zap. Mosk. gor. ped. inst. 86:185-192 '60.
- Thiol-disulfide exchange in polysulfide polymers. R. A. Shlakhter, N. P. Apukhtina, T. P. Nasonova. Dokl. AN SSSR 149 no. 2:345-347 Mr '63.

POLYMERS—ELECTRIC PROPERTIES

- Electric conductivity and electron paramagnetic resonance signal in polymeric materials built up of molecules with conjugate double bonds. V. G. Levich, V. S. Markin, I. U. G. Chirkov. Dokl. AN SSSR 149 no. 4:894-896 Ap '63.

POLYMERS—TESTING

- Latva, L. A. [Impact-tension tester of hard polymers, Polarization unit for optical investigation of stresses] Koper dlia ispytaniia tverdykh polimerov na udarnoe rastizhenie. Polarizatsionnaya ustanovka dlia issledovaniia napriazhenii opticheskim metodom. [By] B. M. Zuev i S. G. Stepanov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 32, No. P-58-13/5)
- Lebedev, G. A. [Apparatus for testing the characteristics of polymer samples under tensile stress] Ustanovka dlia issledovaniia kharakteristik polimernykh obraztsov pri rastizhenii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 7 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 32, No. P-58-8/10)

POLYMYXINS

- Chemistry of polymyxin M. Part 6: Synthesis of peptides of L- α , γ -diaminobutyric acid. N. V. Fedoseeva, A. B. Silacov, L. I. Andreeva. Zhur. ob. khim. 33 no. 3: 1019-1023 Mr '63.

POLYNOMIALS

- Approximation of nonperiodic functions by polynomials on a system of segments. V. K. Dzidnyk. Ukr. mat. zhur. 15 no. 1:88-94 '63.
- Generalization of a theorem of A. F. Timan. I. U. A. Brudnyi. Dokl. AN SSSR 149 no. 6:1237-1240 F '63.
- Regularization in a certain class of nonintegrable functions and its relation to the division problem. V. P. Palamodov. Mat. sbor. 60 no. 3:270-292 Mr '63.

POLYSACCHARIDES

- Effect of polysaccharides of *Bacillus mucilaginosus* on bacteriophage activity (with summary in English). S. V. Zakharenko, E. I. Milevskii, N. I. Lavrent'ev. Mikrobiologiya 31 no. 6:1007-1010 N-D '62.

POLYZOA, FOSSIL see subdivision under Tien Shan

- POMIALOVSKII, NIKOLAI GERASIMOVICH, 1835-1863 Orlov, M. M. [N. G. Pomialovskii's language] Iazyk N. G. Pomialovskogo, [Rostov-na-Donu] Kabardino-Balkarskii gos. univ., 1959, (MII)

PONTECORVO, BRUNO, 1913-

- Scouts of a "strange world," Oleg Piazrzhhevskii. Ogonek 41 no. 9:27-29 F '63.

POPOV, ALEKSANDR SERAFIMOVICH, 1893-1949

- Glackovskala, L. A. [Birth of the epic "Iron stream" by A. S. Serafimovich] Rozhdenie opoei "Zheleznyi potok" A. S. Serafimovicha. Moskva, Sovetskii plantel', 1963, 202 p.

- Story of a letter. A. Abramian. Ogonek 41 no. 4:10 Ja '63.

- Truth of a free man. Iliia Kotenko. Ogonek 41 no. 4: 2-3 Ja '63.

- Writer and the community center. N. Rodionov. Kult. i pore, rab. 24 no. 1:31 Ja '63.

POPULATION—STATISTICS see subdivision under Uzbekistan

POPULISM (NARODNICHESTVO)

- G. V. Plekhanov as the historian of the revolutionary Populist movement in the 1870's. Sh. M. Levin. Trudy LOI AN SSSR no. 5:20-75 '63.

PORK

- Accumulation of reducing carbohydrates and the pH value in pork muscle tissues subjected to autolysis in brine. A. S. Bol'shakov, A. K. Fomin. Izv. vys. ucheb. zav.; pishch. tekhn. no. 1:30-32 '63.

POROUS MATERIALS

- Mechanism of moisture transfer in capillary-porous bodies. N. V. Churayev. Dokl. AN SSSR 148 no. 6: 1361-1364 F '63.
- Some problems in the theory of porous electrodes. A. G. Pashentnikov. Dokl. AN SSSR 148 no. 5:1121-1124 F '63.

PORPHYRITES see subdivision under Kuznetsk Ala-Tau

PORPHYRY see subdivision under Dnieper Valley

PORT DISTRICTS—ACCOUNTING see subdivision under Moscow

PORTABLE ELECTRIC LAMPS see Electric lamps, Portable

PORTAL HYPERTENSION

- Splenomanometry in portal hypertension. L. P. Shul'ak. Trudy Kish. gos. med. inst. 13:167-170 '60.
- X-ray diagnosis of portal hypertension. L. P. Shul'ak, M. B. Balaban, T. D. Dlubina. Trudy Kish. gos. med. inst. 13:175-178 '60.

PORTAL VEIN—DISEASES

- Thrombosis of the portal vein and its branches. S. R. Bell. Vop. pat. krovi i krovoobr. no. 6:186-197 '61.

PORTS see Harbors

PORTUGAL—GOVERNMENT, RESISTANCE TO

- A Portuguese by the name of "Lenin." J. Pereira. Ukraina no. 2:8 Ja '63.

POSITIVISM

- "Studies on the history of positivism" by I. S. Narskii. Reviewed by G. A. Brutian. Nauch. dokl. vys. shkoly; filoz. nauki 6 no. 1:142-146 '63.

POSTAL CARDS—COLLECTORS AND COLLECTING

- World in postcards. Sov. Soluz no. 4:27 '63.

POSTAL SERVICE

- (see also subdivision under Alytus; Minsk; Moscow; Voronezh)

- The delivery of mail should receive undivided attention. S. G. Glinianol. Vest. svyazi 23 no. 3:18-21 Mr '63.
- Postal service and computer technology aid industrial management. N. V. Belkin, V. I. Zasyptin. Vest. svyazi 23 no. 3:7-9 Mr '63.
- Utilize all hidden potentials in developing and improving postal service. O. K. Makarov. Vest. svyazi 23 no. 3: 4-7 Mr '63.

POSTERS

- Role of volunteer effort in the struggle for technological progress. Klub 12 no. 11:18-19 N '62.

POSTOPERATIVE CARE

- After an operation. K. S. Simonian. Sov. Kras. krest 12 no. 5:28 S-O '62.

POSTOVAYA BAY—PALLADA (WARSHIP)

- Story of a legendary frigate. A. Rožov. Vokrug sveta no. 3:42-43 Mr '63.

POTASSIUM

- Calculating the factors affecting the accuracy of the measurement in using the beta method to determine the potassium content of potassium rocks. P. I. Novikov. Sbor. st. MGION no. 1:134-142 '62.
- Using gamma-ray diagrams in a quantitative determination of the potassium in potassium ores. P. I. Novikov. Sbor. st. MGION no. 1:140-146 '62.

POTASSIUM BOROHYDRIDE

- Melting diagram in the system potassium hydroxide - potassium borohydride. V. I. Mikheeva, M. S. Selivokhina, O. N. Kriukova. Zhur. neorg. khim. 7 no. 7:1622-1627 JI '62.

POTASSIUM CARBONATES

- Thermographic investigation of the systems consisting of potassium tetramolybdate - potassium carbonate and potassium tetraungstate - potassium carbonate. M. V. Mokhaev, I. M. Kulashov, P. I. Fedorov. Zhur. neorg. khim. 7 no. 7:1628-1631 JI '62.

POTASSIUM CHLORIDE

- (see also subdivision under Kama Valley)
- Solubility in the system potassium perchlorate - potassium chloride - water. P. I. Fedorov, S. V. Postnikova, L. A. Stiflenko. Zhur. neorg. khim. 7 no. 7:1670-1674 JI '62.

POTASSIUM CHLORIDE—PHYSIOLOGICAL EFFECT

- Survival of isolated skeletal muscles of a frog in potassium chloride solutions under the influence of stretching. L. Sh. Gamelina. TSitologiya 4 no. 3:330-342 My-Je '62.

POTASSIUM DICHROMATE

- Cocrystallization of potassium dichromate and cupric nitrate with potassium nitrate. E. V. Khamskii, Z. A. Kozina. Dokl. AN SSSR 149 no. 4:915-917 Ap '63.

POTASSIUM HYDROXIDE

- Melting diagram in the system potassium hydroxide - potassium borohydride. V. I. Mikheeva, M. S. Selivokhina, O. N. Kriukova. Zhur. neorg. khim. 7 no. 7:1622-1627 JI '62.

POTASSIUM IODIDE

- Role of potassium iodide in the process of the formation of photographic emulsions. Part I. Silver iodobromide ammonia-free emulsions. K. S. Lisikov, K. M. Ginzburg, A. V. Antipin. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:101-105 Mr-Ap '63.

POTASSIUM PERRHENATE

- Solubility in the system potassium perrhenate - potassium chloride - water. P. I. Fedorov, S. V. Postnikova, L. A. Stiflenko. Zhur. neorg. khim. 7 no. 7:1670-1674 JI '62.

POTASSIUM PHOSPHATES

- Effect of potassium phosphate and sodium fluoride on the synthesis of the biomass and the amyolytic activity of *Bac. subtilis* [with summary in English]. A. M. Malkov, V. E. Deeva, G. A. Tkacheva. Mikrobiologiya 31 no. 6: 990-994 N-D '62.

POTASSIUM SALTS see subdivision under Soligorsk region

POTASSIUM-SODIUM-LEAD ALLOYS see Sodium-potassium-lead alloys

POTASSIUM THIOCYANATE

- Effect of potassium rhodanide on the formation of various l-states in the adsorption layer of the ethylate of mezoethylthiocarbonylamine. M. K. Grechko. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:137-139 Mr-Ap '63.
- Spectrophotometric study of the interaction of palladium ions with potassium thiocyanate [with summary in English]. V. I. Shlenskaya, V. P. Khvostova, V. M. Peshkova. Zhur. anal. khim. 17 no. 5:598-603 Ag '62.

POTATO DIGGER (MACHINE)

- (see also subdivision under Latvia)

- "Komsomolets" designed by members of the Communist Youth League. M. Shpagin. Izobr. i rats. no. 7:5-7 JI '62.

POTATO DIGGER (MACHINE)—TESTING

- Results of testing potato diggers. T. T. Kusov, B. A. Aggert, V. I. Dudko. Trakt. i sel'khoz. mash. 32 no. 12: 26-27 D '62.

POTATO-HANDLING MACHINERY see subdivision under Yaroslavl

POTATO MACHINERY

- Gudzenko, I. P., and N. V. Fireov. [Machines for raising and harvesting potatoes] Mashiny dlia vozdyzhanii i uborki kartofelia. Moskva, Mashgiz, 1962, 289 p.

POTATOES

- Changes in the complex of substances of phenol origin in the case of mechanical injuries to potato plants by gamma irradiation. E. N. Mukhin. Dokl. AN SSSR 148 no. 6:1405-1407 F '63.

- Production of ferment preparations based on potato pulp. V. M. Zelenkii. Spirt, prom. 20 no. 2:40-41 '63.

POTATOES—FERTILIZERS AND MANURE

- (see also subdivision under Ukraine)

- Practices in fertilizing potatoes in light turf-Podzolic soils [with summaries in English, German, and French]. K. P. Magnitskii. Vest. sel'khoz. nauki 7 no. 12:34-39 D '63.
- Yield and quality of potatoes in Podzolic soils as related to the conditions of nutrition. A. P. Iakovlev. Pov. plod. pochv. nechernozem. pol. no. 2:93-101 '62.

POTATOES—HARVESTING

- Machines for harvesting potatoes by stage and some problems of the technological process. B. I. Makstrov, V. T. Amelichev. Trakt. i sel'khoz. mash. 33 no. 1:24-26 Ja '63.

- Radioisotope method for separating potato tubers from soil lumps and stones. R. A. Srapenants, S. A. Said-Khodzhayev. Trakt. i sel'khoz. mash. 33 no. 2:36-39 F '63.

POTENTIAL, THEORY OF

- Conditions for retaining the sign of Green's function in Sturm-Liouville's problem. S. A. Pak. Dokl. AN SSSR 148 no. 6:1265-1267 F '63.
- Theory of Green's functions of vector fields. A. A. Slavnov. Zhur. eksp. i teor. fiz. 44 no. 3:1119-1121 Mr '63.

POTENTIOMETER

- Noncontact electronic potentiometer. K. I. Didenko, I. I. Pivovarov, V. A. Sushin. Avtom. i prib. no. 1:53-56 Ja-Mr '63.

POTENTIOMETRIC ANALYSIS

- Electrochemical potentials of the bromide complexes of gold. B. I. Peshchevitskii, V. P. Kazakov, A. M. Erenburg. Zhur. neorg. khim. 8 no. 4:853-859 Ap '63.
- Potentiometric determination of small amounts of carbon [with summary in English]. I. U. I. Bykovskaya. Zhur. anal. khim. 17 no. 5:807-810 Ag '62.

POTTERY

- Handicraft which became an art. A. Zenevich. IUn. tekhn. 7 no. 3:61-65, 1 Mr '63.
- Where mastership starts. V. Nosova. IUn. tekhn. 7 no. 3:49-50 Mr '63.

POTTERY, GREEK—MARKS

- From the history of the trade between the northern Black Sea region and Mende in the fifth and fourth centuries B. C. I. B. Brashinskii. Num. i epig. 3:45-48 '62.

POTTERY, PRIMITIVE see subdivision under Staraya Ladoga

POTTERY, UKRAINIAN see subdivision under Kiev

POULTRY HOUSES AND EQUIPMENT

How to adapt arched buildings to be mechanized poultry houses. N. Filutik, F. Moskovkin, K. Chobotov. Sel'stroy. 17 no. 2:6-7 F '63.

POULTRY INDUSTRY see subdivision under Khorezm Province

POWDER METALLURGY

Criterion for the degree of homogenizing a two-component alloy [with summary in English]. A. I. Raichenko. Porosh. met. 3 no. 1:13-16 Ja-F '63.

[Making products by powder metallurgy methods] Izgotovlenie izdelii metodami poroshkovoi metallurgii. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, No. 1. 1958. 26 p. (Poredovoi nauchno-tekhnicheski i proizvodstvennyi opyt. Tema 4. No. M-58-187/2)

Possibilities and the role of powder metallurgy in creating new materials. I. M. Fedorchenko. Porosh. met. 3 no. 1:3-12 Ja-F '63.

Pressing and rolling of metal powders [with summary in English]. A. N. Nikolaev. Porosh. met. 3 no. 1:42-48 Ja-F '63.

Progressive method of manufacturing gear wheels [with summary in English]. V. A. Krokha, A. M. Bakhovkin. Porosh. met. 3 no. 1:104-111 Ja-F '63.

Role of secondary distortions in the recrystallization process during the sintering of specimens compressed from high melting metal powders. F. N. Alekseeva and others. Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo no. 1:97-99 Ja-F '63.

Sixth All-Union Scientific Technological Conference on Powder Metallurgy. N. A. Pozdnyak. Vest. mashinostr. 43 no. 3:85-86 Mr '63.

POWDER METALLURGY—EQUIPMENT AND SUPPLIES

Duhrovskii, A. P., and S. A. Tsukerman. [Laboratory press for hot compaction. Vacuum dilatometer for the study of metal power sintering processes] Laboratornyi press dlia gorlachego pressovaniia. Vakuumnyi dilatometr dlia izucheniia protsessov spozkaniia metallicheskikh poroshkov. [By] I. I. Kornilov i R. S. Minis. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Poredovoi nauchno-tekhnicheski i proizvodstvennyi opyt. Tema 4. No. M-58-64/1)

POWER ENGINEERING

Lebedev, P. D. [Calculation and design of drying systems] Raschet i projektirovanie sushil'nykh ustanovok. Moskva, Gosenergizdat, 1963. 319 p.

Let's cooperate in the name of progress. Sov. Soluz no. 10:54-55 '62.

New achievements of power engineering. Energetik 11 no. 4:1-5 Ap '63.

Our discussion with the editorial staff. V. Krivko. Energetik 11 no. 4:45 Ap '63.

Points from foreign technical journals. Energetik 11 no. 4:42 Ap '63.

Points from technical journals. Energetik 10 no. 6:38-37 Je '62.

Points from technical journals. Energetik 11 no. 2:20-30 F '63.

Principal methodological rules for technical and economical calculations in power engineering. M. A. Esiblan, B. M. Pliushch. Izv. vyz. ucheb. zav. energ. 6 no. 2:104-106 F '63.

Some results of the work of the Department of Industrial Power Engineering of Moscow University. T. A. Kochach. Izv. vyz. ucheb. zav. energ. 6 no. 2:45-48 F '63.

Twentieth Anniversary of the Power Machinery Faculty of Moscow Institute of Power Engineering. A. V. Shcheglaev. Teploenergetika 10 no. 4:91-92 Ap '63.

POWER ENGINEERING—CONGRESSES

Conference on Power Engineering at Melbourne. Atom. energ. 14 no. 4:427-428 Ap '63.

Second Congress of the Central Administration of the Scientific and Technical Society of the Power Industry. A. I. Shirokov. Energetik 10 no. 6:33-35 Je '62.

POWER ENGINEERING—EQUIPMENT AND SUPPLIES

Nomenclature on scraper feeders and reducers manufactured by the Chernovskii Factory. Energetik 11 no. 4:47 Ap '63.

POWER PRESSES

Mechanism of press-blow-counters. A. F. Misharov. Mashinostroitel' no. 2:21 F '63.

POWER RESOURCES

Efficiency of the utilization of power resources in the national economy of the U. S. S. R. S. Fel'd. Vop. ekon. no. 3:39-48 Mr '63.

The ocean as source of electric power. V. Bogoslovskii. Tekh. mol. 31 no. 1:37 '63.

Results of experimentally testing an installation for fermentation of methane from farm waste. G. V. Gornovarov. Nauch. trudy VLESKH 11:128-140 '62.

POWER RESOURCES—STATISTICS

Processing the 1962 fuel power balance of the U. S. S. R. A. Rizin, S. Litvak. Vest. stat. no. 3:22-28 '63.

POWER TRANSMISSION

[Mechanical engineer's handbook; in six volumes] Spravochnik mashinostroitelia; v shesti tomakh. Izd. 3., ispr. i dop. Moskva, Mashgiz.

Vol. 4. Book 2. Pod red. N. S. Acherkana. pp. 450-931.

Screw and rolling nut transmissions (ball). G. A. Levit. Stan. i instr. 34 no. 4:3-7 Ap '63.

PRAGMATISM

Antiscientific nature of the pragmatist interpretation of signs, conceptions, and visual objects. L. O. Reznikov. Nauch. dokl. vyz. shkoly, filos. nauk. 6 no. 1:74-82 '63.

PRASEODYMIUM

Mössbauer effect on Sn^{119} nuclei and an attempt to detect the effect on Pr^{141} [with summary in English]. V. A. Bukarev. Zhur. eksp. i teor. fiz. 44 no. 3:852-857 Mr '63.

PRASEODYMIUM CHLORIDE

Solubility of praseodymium and neodymium chlorides in normal alcohols at 0, 25, and 50°, and the thermography of crystal solvates. Z. I. Grigorovich. Zhur. neorg. khim. 8 no. 4:986-989 Ap '63.

PRAVDIN, IOSIF GEORGIEVICH, 1879-1943

I. O. Pravdin, a faithful son of the Communist Party. O. D. Savchuk. Ukr. ist. zhur. 6 no. 1:98-99 Ja-F '63.

PRECAST CONCRETE

Chuchenko, S. P. [Reinforced concrete without thermal treatment] Zhelezobeton bez teplovoi obrabotki. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 93 p.

Design of reinforced concrete elements for crack resistance. N. Voronkov. Prom. stroi. i inzh. soor. 4 no. 1:46-47 Ja-F '63.

Manufacture of a precast roadway at the building site. L. F. Korzun, N. P. Ustinov. Transp. stroi. 13 no. 2:15-16 F '63.

Precast reinforced concrete cross-tie slabs for crane tracks. M. Zeldier. Stroi. i arkh. 10 no. 7:31-32 Ji '62.

Precast three-dimensional elements made of mesh-reinforced concrete for small structures. Z. Mailer. Na stroi. Ros. 4 no. 1:22-23 Ja '63.

Prefabricated elements for engineering structures. S. Ivanov. Stroi. i arkh. Mosk. 12 no. 2:22-25 F '63.

Programmed automatic control of the steaming of reinforced concrete elements. I. Barna. Stroi. i arkh. 10 no. 7:29 Ji '62.

Sanitary engineering equipment made of waterproof concrete. G. Bovin. Sel'stroy. 17 no. 2:17-19 F '63.

PRECAST CONCRETE—STANDARDS

The number of standard dimensions of elements is still very great. P. P. Kazachenko. Prom. stroi. 41 no. 2:59 F '63.

PRECAST CONCRETE—STORAGE

Storage of reinforced concrete elements at the building site. A. Birkengof. Sel'stroy. 17 no. 2:23-24 F '63.

PRECAST CONCRETE—TESTING

Crack formation in centrally reinforced prismatic elements subject to axial stretching. M. M. Kholmianskii. Sbor. trud. NIIZhelezbetona no. 5:118-144 '61.

Methods of determining the strength of spun concrete. V. G. Akovenko. Transp. stroi. 13 no. 2:48-50 F '63.

Shearing of reinforced concrete beams reinforced with prestressed elements. V. F. Tabakov. Sbor. trud. NIIZhelezbetona no. 5:20-60 '61.

Study of precast reinforced concrete foundations reinforced with prestressed elements. E. G. Ratis, Sh. IU. Tseitlin, Sh. A. Aliev. Sbor. trud. NIIZhelezbetona no. 5:3-19 '61.

PRECAST CONCRETE CONSTRUCTION

(see also subdivision under Armavir; Bratslava; Kemerovo; Khabarovsk; Leningrad; Lipetsk; Novomoskovsk; Tula Province; Novosibirsk; Uzbekistan; Zhdanov)

Assembly-line erection of the frame of a forge shop made of precast reinforced concrete elements. G. I. Bort and others. Prom. stroi. 40 [i.e. 41] no. 3:2-5 Mr '63.

Calculations for the precast reinforced concrete tubing of mines. K. V. Ruppenelt, IU. A. Peslak. Fiz.-mekh. svoist., dav. i razr. gor. porod no. 1:24-41 '62.

Construction of pier-type moorings. D. E. Gurevich, A. G. Volk. Transp. stroi. 13 no. 2:23-27 F '63.

[Economics of large-panel housing construction] Ekonomika krupnopanel'nogo zhillishchnogo stroitel'stva. [By] L. A. Gol'berg i dr. Moskva, Gosstroizdat, 1962. 163 p.

Effect of the rigidity of a large-panel building on deformations of the foundation. N. Rudnitskii. Stroi. i arkh. Mosk. 12 no. 3:20-21 Mr '63.

Equalling the beams of production. Stroitel' no. 3:24-26 Mr '63.

Kozlov, K. Ia. [Ways to improve labor productivity in the assembly of reinforced-concrete elements of multistory industrial buildings] Puti povysheniia proizvoditel'nosti truda na montazhe zhelezobetonnykh konstruktsei mnogotazhnykh proizvodstvennykh zdani. Iz opyta stroek Leningradskoi oblasti. Leningrad, 1963. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Stroitel'naya promyshlennost', no. 25)

Litvin, I. S. [Precast reinforced-concrete elements of thermal electric plants] Sbornye zhelezobetonnye konstruktsei teplovykh elektrostani. Moskva, Gosenergizdat, 1962. 292 p.

No. 15 Tchakovsky Street; construction of a frame-panel residential building fourteen stories high. I. A. Andreev. Stroi. i arkh. Mosk. 12 no. 2:28-30 F '63.

Precast foundations for columns of industrial buildings. V. K. Dudarov. Prom. stroi. 40 [i.e. 41] no. 3:22-24 Mr '63.

"Precast foundations of industrial and residential buildings" by E. A. Sorochan. Reviewed by M. S. Gaidukov. Osn., fund. i mekh. grun. 5 no. 2:32 '63.

Preparatory operations for large-panel construction. E. Pinskii. Stroi. i arkh. 10 no. 7:22-23 Ji '62.

Rout, M. A. [Use of precast reinforced concrete in the construction of 35 - 500 kv. power distribution networks] Primenenie sbornogo zhelezobetona pri sooruzhenii elektricheskikh setei napriazheniia 35 - 500 kv. Moskva, Gosenergizdat, 1962. 173 p.

Simple joint for precast elements. E. Nevladomskii. Sel'stroy. 17 no. 2:24-25 F '63.

Stairway guard rails made of precast reinforced-concrete slabs. Stroi. i arkh. 10 no. 7:32 Ji '62.

Strive for more effective designs in precast concrete. M. V. Kiselev. Stroi. i arkh. Leningrad. 24 no. 1:21-24 Ja '62.

Structural designs for technical piping at industrial enterprises with standardization between branches of industry. L. Fomil'. Prom. stroi. i inzh. soor. 4 no. 1:32-37 Ja-F '63.

We use sectional reinforced concrete construction. V. L. Eremin. Puti i put. khoz. 7 no. 1:13-14 '63.

PRECAST CONCRETE CONSTRUCTION—ACCOUNTING see subdivision under Alma-Ata

PRECAST CONCRETE CONSTRUCTION—TECHNICAL INNOVATIONS

Ways to improve completely precast construction. M. Morkling, S. Balkenberg. Stroi. i arkh. Mosk. 12 no. 2:13-16 F '63.

PRECIOUS STONES

Petrov, V. S. [Precious and semiprecious stones] Dragotsennye i tsennye kamni. [Moskva] Inst. vuz. Mosk. univ., 1963. 134 p.

PRECIPITATION (CHEMISTRY)

Effect of esters and salts of hydroxy- and polymeric acids on the precipitability and corrosion activity of fuels containing cracked constituents. V. N. Zratov, V. M. Melnikhin. Zhur. prikl. khim. 36 no. 2:389-394 F '63.

Precipitation reactions of copper subborates by ammonia. A. K. Kirakosian. Zhur. neorg. khim. 8 no. 8:906-910 Ap '63.

PRECISION CASTING

Korolev, V. M., and V. M. Stepanov. [Precision casting of shaped parts] Fazonnoe litie po vyplavlieniym modelliam. Moskva, Oborongiz, 1962. 107 p.

Precision casting of pump and compressor vanes with soluble inserts. A. V. Kuzin, M. P. Voronin, I. P. Borovskii. Lit. proizv. no. 1:32-33 Ja '63.

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNANCY

Development and secreting activities of the mammary gland during a cow's pregnancy. A. A. Turovskii. Vityak sel'sk. khoz. nauky 6 no. 2:107-108 F '63.

Hygiene of the oral cavity in pregnant women as one of the preventive methods against postnatal diseases. I. I. Litvishko and others. Probl. atom. energ. 8:360-371 '62.

PREGNANCY, EXTRAUTERINE

Casualties of extrauterine pregnancy. M. D. Seleznev, G. N. Charyeva. Zdrav. Turk. 7 no. 1:25-28 Ja '63.

PREGNENEDIONE

Rearrangement of 21,21-dibromo- Δ^4 -pregnen-17 β -ol-20-one acetate to isomeric Δ^4 -pregnen-17 β ,20-diol-21-ol-acids. A. A. Akhrom, T. K. Ustynskii. Izv. AN SSSR, Otd. khim. nauk no. 4:769 Ap '63.

PREGNEOIC ACID

Rearrangement of 21,21-dibromo- Δ^4 -pregnen-17 β -ol-20-one acetate to isomeric Δ^4 -pregnen-17 β ,20-diol-21-ol-acids. A. A. Akhrom, T. K. Ustynskii. Izv. AN SSSR, Otd. khim. nauk no. 4:769 Ap '63.

PRENATAL CARE

For children's health. IU, F. Dombrovskaya. Kul't. zhizn' 6 no. 12:11-15 '62.

PREOBRAZHENSKI, BORIS SERGEEVICH, 1892-
Active member of the Academy of Medical Sciences of the U.S.S.R. and Honored Scientist, Professor Boris Sergeevich Preobrazhenski; on his 70th birthday. V.I. Volachek and others. Vest. otorin. no. 4:3-9 '62.

PRESCHOOL EDUCATION see Education, Preschool

PRESCRIPTION WRITING

More attention to the care for the sick. V.M. Lashenko. Farmatsev. zhur. 17 no. 4:67-69 '62.

PRESS

(see also subdivision under Cuba; United States)
From month to month. Sov. pech. no. 2:63 F '63
Pel't, V.D., and A.L. Mishurina. [The theory and practice of the party and Soviet press] Teoriya i praktika partinnoi i sovetskoi pechati; ucheno-metodicheskoe posobie dlia studentov-zhuchnikov II-V kursov fakul'tetov zhurnalistiki gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962, 144 p.

PRESSURE GROUTING see Grouting

PRESTRESSED CONCRETE

Block segmented prestressed concrete trusses lacking struts and with a span of up to 36 m. R.A. Gershanok, V.N. Prokhorov, B.A. Lushchik. Prom. stroi. 40 [s.e. 41] no. 4:17-24 Ap '63.

Prestressed channel slabs for roofs. A. Dubinski. Stroi. i arkhitekt. 11 no. 2:14-15 F '63.

PRESTRESSED CONCRETE—CONGRESSES

International congress on prestressed concrete. B.V. Jakubovskii. Izv. vys. ucheb. zav. i stroi. i arkhitekt. 6 no. 1:117-126 '63.

PRESTRESSED CONCRETE—TESTING

Crack resistance of eccentrically compressed prestressed elements. Sh. IU. Tseitlin, K.I. Milovidov. Sbor. trud. NIIZHelezebetona no. 5:61-106 '61.
Some data about the effect of time on deformations of an eccentrically compressed element with cracks in its upper surface. Sh. IU. Tseitlin, K.I. Milovidov. Sbor. trud. NIIZHelezebetona no. 5:107-117 '61.

PRETRIAL PROCEDURE

"Instigating a criminal lawsuit" by N.V. Zhogin, F.N. Fatkul'in. Reviewed by V. Galkin. Sots. zakon. 39 no. 10:93-94 O '62.

PRICES

"Geography of state retail prices for consumers' goods" by A.K. Prosandeev. Reviewed by L.B. Sheinln. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:78-79 Mr-Apr '63.
Price determination and the approximation of prices to the work expenditure necessary for the community. A. Komin. Plan. khoz. 40 no. 4:23-33 Ap '63.
The system of price determining factors and the principles of their classification. V.D. Iachenko. Vop. ekon. no. 2:37-51 F '63.

Tsybalevskii, B.V. [Theory and practice in price determination for production means] Pytaniya teorii i praktiki tsennoy otvorneni na zasoby vyrobnystva. Kyiv, Vyd-vo Akad. nauk URSR, 1962, 38 p.

PRICES—CONGRESSES

Methodological problems in price determination. V. Chernysheva. Vop. ekon. no. 3:146-160 Mr '63.

PRICKLY-PEAR see subdivision under Soviet Central Asia

PRIMATES

Variations of the form and structure of the liver of a Rhesus monkey as related to the evolution of primates. V.Z. IUrovskaia. Vop. antr. no. 1:20-42 '62.

PRIMATES, FOSSIL see subdivision under Tanganyika

PRIMITIVE RELIGION see Religion, Primitive

PRIMITIVE SOCIETY see Society, Primitive

PRINTED CIRCUITS

Korobelnikov, I.N., and G.O. Lutrlkh. [Mechanization and automation practices in factories engaged in assembling television receivers with printed circuit components] Zavodskoi opyt mekhanizatsii i avtomatizatsii protsessov montazha i sborki televizorov na pechatnykh platakh. Leningrad, 1962, 17 p. [Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Priboi i elementy avtomatiki, no. 16]

PRINTING

(see also subdivision under Armenia)

Orehinnikov, IU. M. [The use of radioactive isotopes in printing; a survey of Russian and foreign literature] Primenenie radioaktivnykh izotopov v poligrafii; obzor otechestvennoi i inostrannoi literatury. Moskva, 1960, 66 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut poligraficheskoi promyshlennosti. Informatsionnye materialy, no. 25)

[MICROFILM]

PRINTING—TECHNOLOGICAL INNOVATIONS

Factory laboratories should serve to introduce new equipment and advanced techniques. B.I. Berezin. Poligr. proizv. no. 2:8-9 F '63.

PRINTING INDUSTRY

(see also subdivision under Ukraine)

Nationalization of the printing industry in the U.S.S.R. M. IU. Smolen. Vop. ist. 38 no. 3:211-214 Mr '63.
Resolutions of the November Plenum of the Central Committee of the CPSU are the program of our work. A.S. Skriabin. Poligr. proizv. no. 2:3-4 F '63.

Take more active control of the economics of production. IA. M. Serebriandi. Poligr. proizv. no. 2:5-6 F '63.
They write to us. N.I. Korol' and others. Poligr. proizv. no. 2:11-12 F '63.
Toward new work achievements. Poligr. proizv. no. 2: 1-2 F '63.

PRINTING INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the papermaking and printing industry] Ref. zhur. : Tekh. i obor. bumagadel. i poligr. proizv. no. 4 Ap '63.

PRINTING MACHINERY AND SUPPLIES

The "BMP-3" smashing machine. M.E. Fishin. Poligr. proizv. no. 2:18-19 F '63.
New developments in foreign printing. Poligr. proizv. no. 2:30-32 F '63.
"Technical and economic problems in the design and modernization of printing machinery" by L.M. Khelfets. Reviewed by A. Sochnskii. Mashinostroitel' no. 2:45 F '63.
Urgent problems in the development of Soviet printing machinery construction. K.V. Tir. Poligr. proizv. no. 2:12-14 F '63.
When will there be spare parts? A.I. Ermolaev. Poligr. proizv. no. 2:9-10 F '63.

PRINTING MACHINERY AND SUPPLIES—MAINTENANCE AND REPAIR see subdivision under Sverdlovsk Province

PRINTING PLATES

Some problems of mechanization and automation in the production of photomechanical printing plates. N.I. Siniakov. Poligr. proizv. no. 2:15-16 F '63.

PRISHVIN, MIKHAIL MIKHAILOVICH, 1873-1954

From the diary of M.M. Prishvin. Ogonok 41 no. 6:19 F '63.

Prishvin, G. Guma. Smena 40 no. 3:22 F '63.

PRISONS

Bellayev, N.A. [Objectives of punishment and how the institutions of corrective labor try to achieve them] Tseli nakazaniia i sredstva ikh dostizheniia v ispravlenii no-trudovykh uchrezhdeniakh. [Leningrad] Izd-vo Leningr. univ., 1963, 105 p.

We should eliminate errors in determining the type of corrective labor colony for convicted persons. A. Mishutin. Sots. zakon. 39 no. 10:3-7 O '62.

PRIVURAL'NYI DISTRICT—RADIO PROGRAMS

The voice of a rural radio. F. Makarov. Part. zhizn' no. 7:76-77 Ap '63.

PROBABILITIES

Analytical properties of a generating function for the number of renewals [with summary in English]. IU. K. Bellayev, V.M. Maksimov. Teor. veroiat. i ee prim. 8 no. 1:108-112 '63.
Kubilius, Jonas. [Probability methods in the theory of numbers] Veroiatnostnye metody v teorii chisel. 2., dop. izd. Vil'nius, Goz. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1962, 220 p.

Lobva, M.M. [Probability theory. Translated from the English] Teoriya veroiatnostei. Pod red. IU. V. Prokhorova. Moskva, Izd-vo inostr. lit-ry, 1962, 719 p.

(RPB)

Optimum methods in problems of quickest detection [with summary in English]. A.N. Shiriaev. Teor. veroiat. i ee prim. 8 no. 1:26-51 '63.

Statistical study of the Russian dolnik trimeter [with summary in English]. M.L. Gasparov. Teor. veroiat. i ee prim. 8 no. 1:102-108 '63.

PROBATION

Reasons for the release of convicted delinquents on probation [with summary in English]. K.K. Vavtlov. Vest. LGU 18 no. 5:99-111 '63.

PRODUCE TRADE

Struggle against the pilfering of purchased farm products. E. Kuranova. Sots. zakon. 39 no. 10:36-41 O '62.

PRODUCE TRADE—STATISTICS

State deliveries and purchases of various agricultural and livestock products. Vest. stat. no. 3:87-91 '63.

PRODUCTION CONTROL

Belousov, A. [Organizing technical control in machinery plants] Voprosy organizatsii tekhnicheskogo kontrolya na mashinostroitel'nykh zavodakh. Riga, TSentr. biuro tekhn. informatsii, 1962, 17 p. [Listok tekhnicheskoi informatsii]

PRODUCTION STANDARDS

Improving the establishment of norms is an important means for increasing labor productivity. E. Smirnov, V. Lifshits. Sots. trud 8 no. 3:86-93 Mr '63.

Workers and efficiency experts. L. Ganchev. Sots. trud 8 no. 3:113-118 Mr '63.

PRODUCTIVITY ACCOUNTING

Methods of measuring the volume of production and labor productivity in the fur industry. Z. N. Khudak. Nauch. issl. trudy NIIMP no. 11:71-78 '62.
Production costs norms are the index of the volume of production and labor productivity in artificial leather factories. P.S. Pusikkin, L.P. Tolkacheva, M.I. Chembarov, Kozh.-obuv. prom. 5 no. 3:8-11 Mr '63.
Using production cost norms for measuring the volume of production and labor productivity. L.B. Peisakhsan. Izv. vys. ucheb. zav. : tekhn. i obor. prom. no. 1:21-27 '63.

PROFIT

Profit and profitability in a socialist economy. R. Karagadev. Polit. samootbr. 7 no. 2:123-129 F '63.

PROFITTEERING see subdivision under Moscow

PROGRAMMED INSTRUCTION

Pedagogics, programming and cybernetics. V.M. Taranov. Sred. spets. obr. 10 no. 2:5-14 F '63.
Programmed instruction. T.I. Rostunov. Rad. shk. 41 no. 2:28-34 F '63.

PROGRAMMING (ELECTRONIC COMPUTERS)

Aganbektan, A., ed. [Principles for working out an interbranch balance] Osnovy razrabotki mezhotraslevogo balansa; uchenoe posobie. [By] G.I. Grebtsov i dr. Moskva, Ekonomizdat, 1962, 278 p.

Chelakov, P.A. [Pulse programming device for the automatic control of foundry processes] Impul'snyi komandoparlat dlia avtomatizatsii tekhnologicheskikh protsessov litnogo proizvodstva. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1959, 10 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 42, No. P-58-85/10)

Programmed control of the sand-slinger molding process. V.I. Loskutov. Lit. proizv. no. 2:11-12 F '63.

PROGRAMMING (ELECTRONIC COMPUTERS)—STUDY AND TEACHING

Teaching the course "Theory of mathematical machines and the fundamentals of programming" in eleven-year schools with industrial training. Report no. 1: Basis for the course program. V.M. Monakhov. Dokl. APN 6 no. 6:11-14 '62.

PROGRAMMING (MATHEMATICS)—CONGRESSES

Conference on the use of mathematical methods and electronic calculating machines in planning. Vop. ekon. no. 3:80-98 Mr '63.

PROGRAMMING LANGUAGES (ELECTRONIC COMPUTERS)

Universal code of science. A. Kondratov. Znan. i sta 38 no. 2:17-22 F '63.

PROJECT METHOD IN TEACHING

Contradictions in the most important thing. K.V. Podkopaevskii. Sred. spets. obr. 10 no. 2:35-37 F '63.
Graduate students and agriculture. IA. G. Momot, K.B. Serebriakov. Vest. vys. shkoly 21 no. 4:26-30 Ap '63.

Some forms of organizing a practical degree project. V.V. Shmidt. Sred. spets. obr. 10 no. 2:34-35 F '63.

PROJECTIVE GEOMETRY see Geometry, Projective

PROPAGANDA

Along riverways. G. Gennadiev. Klub 11 no. 3:20 Mr '62.

PROPANOL

Retropinacolin rearrangement during the dehydration of tertiary neopentyl acetyletic alcohols. IU. P. Artyshcheva, I.A. Favorakala. Zhur. ob. khim. 33 no. 3: 1047-1048 Mr '63.

PROPELLERS

Device for increasing the efficiency of screw propellers with hoods. I.I. Tomkinskii. Sbor. izobr. v ryb. prom. za 1959 g. 116.

Rotary ship propeller. V.L. Pozdutin. Sbor. izobr. v ryb. prom. za 1959 g. 126-129.

Ship propeller. A.I. Babichev. Sbor. izobr. v ryb. prom. za 1959 g. 126-127.

Stress relief equipment for screw propellers in testing ship power units for mooring. I.I. Bormotov. Sbor. izobr. v ryb. prom. za 1959 g. 114-115.

Turning nozzle for a screw propeller. M.M. Dubrov. Sbor. izobr. v ryb. prom. za 1959 g. 117.

Way of making screw propellers. T.A. Chachkovskii. Sbor. izobr. v ryb. prom. za 1959 g. 114.

PROPELLERS—MAINTENANCE AND REPAIR

Semiautomatic electric arc deposition of stainless steel for the repair of marine propellers. IU. Nesvetaev. Mor. flot 23 no. 3:37-38 Mr '63.

PROPENE

Raman spectrum of isotactic polypropylene. V.N. Nikitin, I.I. Maklakov. Opt. i spekt. 13 no. 4:603-604 O '62.

PROPIOLIC ACID

Addition of trialkyl phosphites to acetylenecarboxylic acids. K. M. Kirillova, V. A. Kukhtin, T. M. Sudakova. Dokl. AN SSSR 149 no. 2:316-317 Mr '63.

PROPIONIC ACID

Mobility of hydrogen atoms in methylene groups of α -hydro-2-benzimidazolylmercaptoacetic and β -mercapto-propionic acids. I. I. Chizhevskaya, L. I. Gapanovich, L. V. Pozniak. Zhur. ob. khim. 33 no. 3:945-949 Mr '63.

PROPORTIONING EQUIPMENT

Potato proportioning device for the apparatus of the Paziruk-Chudinov system (APCh-25). F. K. Lamash. Koms. i ov. prom. 18 no. 3:17-18 Mr '63.

PROPYL ALCOHOL

Glycol ethers and their derivatives. Part 50: Synthesis of alkoxymethyl ethers of 1-chloro-3-alkoxy-2-propanol. Shakhai Mamedov, F. Gadzhizade. Zhur. ob. khim. 33 no. 3:831-836 Mr '63.

PROPYLAMINE

S-derivatives of thiourea. Part 7: Reaction of thiourea with N-isopropyl-2,3-dibromopropylamine. V. M. Fedoseev, V. V. Ivanenkov, A. B. Sulaev. Zhur. ob. khim. 33 no. 3:1025-1031 Mr '63.

PROSPECTING

(see also subdivision under Noril'sk region; Siberia) Characteristics of the distribution of rare alkali metals in chambered pegmatites as a possible criterion of prospecting for optical fluorite and piezoquartz. E. D. Kalita. Sov. geol. 6 no. 3:82-93 Mr '63.

Estimation of rock products in prospecting for metals, coal, oil, and gas. V. M. Borzunov. Mat. GKZ no. 2:26-43 '61.

Organization of geodetic and surveying operations in the oil-field industry. V. S. Matfayevich. Geod. i kart. no. 2:72-73 F '63.

Ozhinskiy, I. S., P. V. Sokolov, and B. I. A. Iuta. [How to search for uranium ores] Kak iskat' uranovye rudy. Izd. 2, ispr. i dop. Moskva, Gosgeoltekhizdat, 1962, 55 p. (Biblioteka tekhnicheskikh i proizvodstvennykh) (Biblioteka tekhnicheskikh i proizvodstvennykh)

Some unsolved problems of prospecting for coal deposits. K. V. Mironov. Mat. GKZ no. 2:44-51 '61.

PROSPECTING—GEOPHYSICAL METHODS

see subdivision under Azerbaijan

PROSTHESIS

Late results of using floating obturators in children with congenital cleft palate. M. I. Barchukov. Probl. stom. 6:327-331 '62.

PROTECTIVE ATMOSPHERES

Akulov, A. I. [Automatic welding of low-carbon steel pipe in carbon dioxide] Avtomaticheskaya svarka trub iz malouglerodistoi stali v uglekislom gase. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 13, No. M-58-48/3)

Hard facing with a weaving arc in an atmosphere of water vapor. I. R. Patskevich, A. K. Okorokov. Svar. proizv. no. 3:40-41 Mr '63.

PROTECTIVE COATINGS

Anticorrosive coatings for reinforcements in autoclave-hardened lightweight concrete. L. I. Kholopova, K. N. Levin. Stroitel'sk. i arkh. Len. 24 no. 0:24-25 S '62.

Corrosion protection of shops producing chlorine. V. L. Vinarskii. Prom. stroit. 40 [i.e. 41] no. 4:33-37 Ap '63.

Electronic techniques of insulating pipes for main pipelines. A. M. Zinevich. Stroitel'stvo i energ. 8 no. 2:6-9 F '63.

Karra, V. A. [Performance of chromium plating steel baths with passivation linings and cathodic protection. Molybdenum coating of aluminum and its alloys] Rabota stal'nykh khromovnykh vann s primeneniem passivirovaniya i katodnoi zashchity. Molybdenirovanie aluminia i ego spлавov. [By] A. S. Minin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 13, No. M-58-265/28)

Kharitonov, N. P. [Heat, moisture, and electric insulation coatings on a basis of organosilicon polymers and their use] Termovлагоэлектроизоляционные покрытия на основе кремнеорганических полимеров и их применение; stenogramma lektsii. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961, 36 p. Protective and decorative golden lacquers and their use on ships. I. U. K. Matasov. Sudostroenie 29 no. 1:66-68 Ja '63.

Protective coatings of evaporation apparatus for ferment solutions. L. N. Aganeseva. Spirt. prom. 29 no. 2:13-14 '63.

"Stonite" coated rollers in the paper industry. V. P. Bykov. Bum. prom. 38 no. 3:21-23 Mr '63.

Using polyamide coatings to increase the wear resistance of machine parts subjected to friction. G. A. Bobrovnikov, M. M. Bolilyi. Izv. vys. ucheb. zav.; tekhn. leg. prom. no. 1:183-191 '63.

PROTECTIVE COATINGS—CLIMATIC FACTORS

Gavriluk, A. M. [Anticorrosion coatings and materials for tropical climate conditions] Antikorroziionnye pokrytiya i materialy dlia uslovii tropicheskogo klimata. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 7 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 13, No. M-58-178/20)

PROTEIN METABOLISM

Effect of levomycetin on some indicators of protein metabolism in rabbits. N. V. Maikova. Trudy Kish. gos. med. inst. 13:115-117 '60.

Electrooptical methods for studying the ribosomes from Escherichia coli. E. I. Golub and others. Dokl. AN SSSR 149 no. 2:446-449 Mr '63.

Some indicators of protein metabolism in dysentery patients treated with levomycetin and streptomycin. N. V. Maikova. Trudy Kish. gos. med. inst. 13:119-122 '60.

PROTEINS

Change in the protein function of the liver in chronic opionemia. O. Murrykov, Kh. Naubatov. Zdrav. Turk. 6 no. 6:24-27 N-D '62.

"Chemistry of natural compounds: carbohydrates, nucleotides, steroids, proteins" by N. K. Kochetkov, I. V. Torgov, M. M. Botvink. Reviewed by G. I. Samokhvalov. Vest. AN SSSR 33 no. 3:141-143 Mr '63.

Digestion in the rumen of cows and utilization of feed nitrogen in various types of protein nutrition. N. V. Kurilov, R. T. Adrapetova. Vest. sel'khoz. nauki 7 no. 12:51-54 D '62.

Effect of different temperatures on the change of protein substances in cottonseed during the process of their germination. T. Nasibov. Vop. biol. i kraev. med. no. 3:247-250 '62.

Interaction between the radicals of irradiated protein and alkyl phenols. I. I. Sapezhnikov, M. S. Postnikova, N. M. Emanuel'. Dokl. AN SSSR 148 no. 5:1207-1209 F '63.

Transformation of the protein components of autolyzing muscle tissues during meat cooling and freezing. P. E. Pavlovskii, M. P. Grigor'ova. Izv. vys. ucheb. zav.; pishch. tekhn. no. 1:24-29 '63.

PROTEINS IN THE BODY

Study of the total protein content in the cytoplasm and the nuclei of acinariform cells during the process of the secretory cycle of the parotid gland. N. V. Nechaeva. Dokl. AN SSSR 148 no. 5:1102-1105 F '63.

PROTESTANT CHURCHES

see subdivision under United States

PROTEUS

Variability of Proteus morganii and Proteus vulgaris. Z. F. Samsonova. Vop. biol. i kraev. med. no. 3:225-229 '62.

PROTONS

Analysis of stars with hyperfragments produced by 9 Bev. protons in a photographic emulsion [with summary in English]. I. B. Berkovich and others. Zhur. ekap. i teor. fiz. 44 no. 3:793-797 Mr '63.

Cross section of L_i^0 formation in a nuclear emulsion by 9 Bev. protons. N. P. Bogachov, E. L. Grigor'ev, I. U. P. Merekov. Dokl. AN SSSR 148 no. 5:1046 F '63.

Production of hypernuclei by 8.8 Bev. protons [with summary in English]. M. E. Arustamova and others. Zhur. ekap. i teor. fiz. 44 no. 3:861-865 Mr '63.

What a proton told about himself. V. Berezinskii. Nauka i zhizn' 29 no. 12:99-101 D '62.

PROTONS—SCATTERING

Calculation of the angular and energy characteristics of multiply charged particles produced by high-energy protons [with summary in English]. M. M. Makarov. Zhur. ekap. i teor. fiz. 44 no. 3:962-968 Mr '63.

PRUNING

The BSHP-1 apparatus for simultaneous lateral pruning and topping of tea plant rows. L. A. Mel'nikov. Trakt. i sel'khoz. mash. 32 no. 12:32 D '62.

PRYAZHA DISTRICT—AUXILIARY POLICE

How the Soviet public of a district is helping to maintain law and order. E. Mironova. Sots. zakon. 39 no. 10:47-49 O '62.

PSEUDOMONAS

Relation of methane- and propane-oxidizing bacteria to different nitrogen sources [with summary in English]. Z. S. Smirnova. Mikrobiologiya 31 no. 8:980-983 N-D '62.

PSEUDOTACHYLITE

see subdivision under Anabar Shield

PSKOV—ANTIQUITIES

Archaeological excavations of ancient Pskov. G. P. Grozdilov. Arkheol. sbor. [Erm.] no. 4:7-76 '62.

PSKOV—ARCHITECTURE, DOMESTIC

Spegal'skii, I. U. P. [Stone dwelling houses of the 17th century in Pskov] Pskovskie kamennye zhilye zdaniya XVII v. Moskva, Izd-vo Akad. nauk SSSR, 1963, 172 p. (Materialy i issledovaniya po arkheologii SSSR, no. 119)

PSKOV—BOOTS AND SHOES

Footwear and other leather articles from ancient Pskov. E. I. Olateva. Arkheol. sbor. [Erm.] no. 4:77-94 '62.

PSKOV—EXCAVATIONS (ARCHAEOLOGY)

Archaeological excavations of ancient Pskov. G. P. Grozdilov. Arkheol. sbor. [Erm.] no. 4:7-76 '62.

PSKOV—LEATHER WORK

Footwear and other leather articles from ancient Pskov. E. I. Olateva. Arkheol. sbor. [Erm.] no. 4:77-94 '62.

PSKOV PROVINCE—LEPTOSPIROSIS

Leptospirosis infection in Pskov Province. E. M. Papova, A. B. Daiter, M. P. Fedoseeva. Trudy Len. inst. epid. i mikrobiol. 23:243-250 '61.

PSKOV PROVINCE—RUSSIAN LANGUAGE—DIALECTS

Syntactic and morphologic characteristics of participles in the Pskov dialects. Z. M. Petrova. Uchi. zap. Ped. inst. Gorka. 225:171-192 '62.

PSYCHIATRY

"Essays on the healthy and sick mind" by N. V. Kantorovich. Reviewed by G. Zait'sman. Sov. zdrav. Kir. no. 1:62-63 Ja-F '63.

PSYCHOLOGY

"Entertaining psychology" by K. K. Platonov. Reviewed by E. V. Shorokhova. Vop. filos. 17 no. 3:166-168 '63.

PSYCHOLOGY, APPLIED

Effect of the shorter working day on the dynamics of efficiency and the distribution between working hours and free time. I. M. Denisova, S. A. Konilov, G. G. Sanoian. Teor. i prak. fiz. kul't. 26 no. 2:48-50 F '63.

PSYCHOLOGY, PATHOLOGICAL

Dynamics of a "psychopathologic" syndrome of postinfectious origin according to data of catamnestic examination. O. N. Dokuchaeva. Probl. aud. psikh. 11:151-155 '61.

Exact definition of the concept of "psychopathy". E. A. Popov. Probl. aud. psikh. 11:121-125 '61.

PSYCHOLOGY, PHYSIOLOGICAL

Fatigue of the deaf working under noisy conditions. A. P. Gozova. Dokl. APN 6 no. 6:125-128 '62.

Features of algorithms used by subjects in determining their discrimination thresholds. K. V. Hardin. Dokl. APN 6 no. 6:81-84 '62.

Influence of vestibular stimulation on some human functions. Report no. 1: Change in some functions under the influence of vestibular stimulation resulting from head movements. G. V. Akukhov, V. I. Kopanov. Dokl. APN 6 no. 6:113-116 '62.

Physiological mechanisms for determining the complex behavior of anthropomorphic monkeys (chimpanzees). A. I. Schastnyy. Dokl. AN SSSR 149 no. 4:905-908 Ap '63.

Psychological readiness of athletes for competitions. A. TS. Punt. Teor. i prak. fiz. kul't. 26 no. 2:52-55 F '63.

PSYCHOSES

Clinical aspect of residual states following para-infectious encephalitis in children and adolescents. K. A. Semenova. Probl. aud. psikh. 11:181-195 '61.

Repeatedly appearing reactive psychic disturbances. V. S. Krasuskii. Prak. sudebnopsikh. eksp. i. no. 7:58-62 '62.

Rheumatic fever according to the data of psychiatric clinical studies and autopsies [with summary in English]. V. P. Kuchelov. Vop. revm. 1 no. 4:81-87 O-D '61.

PITTSYN, BORIS VLADIMIROVICH, 1903-

Boris Vladimirovich Pittsyn; on his 60th birthday. L. M. Volshtein. Zhur. ob. khim. 33 no. 3:717-719 Mr '63.

PUBERTY

Materials on the sexual development of adolescents in Saratov. V. S. Solov'eva. Vop. entr. no. 11:91-95 '62.

PUBLIC BUILDINGS

Beautiful, comfortable, and modern. G. Semar. Kish 12 no. 3:27-29 Mr '63.

PUBLIC BUILDINGS—STANDARDS

Drawbacks in using standard plans in the construction of buildings serving cultural and public needs. E. Estrav. Zhil. stroit. no. 2:5-6 '63.

PUBLIC HEALTH

(see also subdivision under Dnepropetrovsk Province; Irkutsk; Ryazan; Tsimlyansk District; Turkmenistan)

Fundamental organizational tasks of the head surgeons of local public health agencies for the improvement of surgical services to the population of the R.S.F.S.R. N. I. Kravetskii. Zdrav. Ros. Feder. 7 no. 3:6-14 Mr '63.

Participation of the population in the struggle for sanitation in populated areas. A. S. Khachik'ian. Zdrav. Ros. Feder. 7 no. 3:29-32 Mr '63.

Reconstruction of public health agencies in the light of the decree passed by the November Plenum of the Central Committee of the CPSU (1962). Zdrav. Ros. Feder. 7 no. 3:3-4 Mr '63.

PUBLIC HEALTH—PERIODICALS

From the readers' point of view. N. Pashkin. Sov. Kras. krest 12 no. 5:31 S-O '62.

PUBLIC HEALTH, RURAL

(see also subdivision under Bukovina; Ossetia, North)

"Medical care for the rural population of the U.S.S.R." by M. M. Chumak and I. A. Vishnevskaya. Reviewed by V. I. Mikhelkin. Zdrav. Ros. Feder. 7 no. 3:41-42 Mr '63.

Organization of a public health administration in a consolidated rural district. V. A. Vorob'ev. Zdrav. Ros. Feder. 7 no. 3:4-9 Mr '63.

Therapeutic and prophylactic work of a fieldsher and obstetrical center. Artyk Amanazov. Zdrav. Turk. 7 no. 1:44-46 Ja '63.

PUBLIC HEALTH PERSONNEL—PENSIONS

Service pensions for public health workers. IU. A. Asta'ev. Zdrav. Turk. 6 no. 6:41 N-D '62.

PUBLIC INSTITUTIONS—ACCOUNTING

Centralize accounting public institutions. Bukhg. uchot 20 no. 3:86 Mr '63.

Seminar on the problems of improving accounting in public institutions. Bukhg. uchot 20 no. 3:77-79 Mr '63.

Simplify budget accounting and reports. V. Demchenkov. Bukhg. uchot 20 no. 2:36-38 F '63.

PUBLIC PROSECUTORS

A conference on civil cases. G. Borodin, A. Akinov. Sots. zakon. 39 no. 10:83-84 O '62.

Current rating of public prosecutors. A. Mitrokhin. Sots. zakon. 39 no. 10:81-82 O '62.

How the public prosecutors of the U.S.S.R. supervise the observance of laws. Sots. zakon. 39 no. 10:85-87 O '62.

Supervision of the trial of civil cases is the foremost duty of public prosecutors. D. F. Kichatov. Sov. gos. i pravo 33 no. 4:126-133 Ap '63.

PUBLIC SPEAKING

Tolnachev, A. V. [The art of public speaking] Ob oratorskom iskusstve, Izd. 3, 1 spr. i dop. Moskva, Gospolitizdat, 1962, 351 p.

PUBLISHERS AND PUBLISHING

(see also subdivision under Archangel Province; Moscow)

Coordination of book publishing in the government's task. L. I. Ablokhova. Sov. knizh. torg. 14 no. 3:4-5 Mr '63.

Friend of youth. Smena 30 no. 19:23 O '63.

Let's think about it, let's discuss it... Sov. knizh. torg. 14 no. 2:20-31 F '63.

Unfinished conversation. E. Leizerovich. Sov. knizh. torg. 14 no. 2:27-28 F '63.

"Superficial and unconvincing." I. Zonov. V mire knig 3 no. 3:6 Mr '63.

Trade Unions' Publishing House in 1962. Klub 11 no. 3: 37 Mr '62.

PUERPERAL SEPTICEMIA

Discovery bringing the gift of life. A. V. Bartel's. Zdorov'e 8 no. 2:28 F '63.

PULSE CIRCUITS

Network for coincidence of the presence or absence of two zero output potentials. M. V. Kovn'skiy. Avtomatika 3 no. 1:50 '63.

Stabilization of pulse duration in trigger networks. V. I. Kuz'mich. Izv. vys. ucheb. zav. i radiotekh. 6 no. 1: 93-96 Ja-F '63.

A transistor circuit for shaping square pulses. L. Markovkin, A. Plastovskii. Radio no. 12:22 D '62.

PULSE TECHNIQUES (ELECTRONICS)

Dependence of the selectivity of a synchronous detector on the asymmetry of the controlling voltage. K. B. Kurandeev, G. A. Shamberger, V. D. Gel'fand. Radiotekhnika 18 no. 3:37-41 Mr '63.

Distributed pulse generator. L. S. Bartenov. Izv. vys. ucheb. zav. i radiotekh. 6 no. 1:86-88 Ja-F '63.

Dorski, G. M. [Pulse amplitude memorizing device] Zapominatei amplitud impul'sov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 13 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 38, No. P-57-45/3)

Inverse function generator using diode elements. L. F. Tolmanchuk, A. A. Plutin. Izv. vys. ucheb. zav. i radiotekh. 6 no. 1:24-32 Ja-F '63.

Netkin, L. R. [GI-2A-type generator] Generator impul'sov tipa GI-2A. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 30 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40, No. P-57-6/1)

Rybakov, B. V. [Electronic device for measuring phase-shifted code impulses] Elektronnoe ustroystvo dlia sravneniya kodovykh impul'sov, sdvinyutykh po faze. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 15 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40, No. P-57-6/1)

Stabilization of pulse duration in trigger networks. V. I. Kuz'mich. Izv. vys. ucheb. zav. i radiotekh. 6 no. 1: 93-96 Ja-F '63.

Stroboscopic oscillograph for monitoring nanosecond pulse signals. M. E. Gluchkovskii. Izv. vys. ucheb. zav. i radiotekh. 6 no. 1:3-14 Ja-F '63.

Tutavich, V. N. [Contactless cyclic remote-control system] Beskontaktnaya tsiklicheskaya sistema telemekhaniki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 17 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, No. P-57-53/9)

Voronkov, A. E., and others. [High-speed multichannel pulse height analyzer] Bystrodeistviyushchii mnogokanal'nyi amplitudnyi analizator. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 63 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41, No. P-57-16/1)

PUMPING MACHINERY

Automatic control of a pumping station. Kozh, -obuv. prom. 5 no. 3:40 Mr '63.

Increase in the operational reliability of PT-35-30E and PT-35-30M feed pumps manufactured by the Kaluga Turbine Factory. V. V. Bal'va. Energetik 11 no. 4: 13-15 Ap '63.

Screw pump of the RSM type with rubber starter. IU. V. Konorov, Kone. i ov. prom. 18 no. 3:37-38 Mr '63.

Vibrator pumps water. N. Teterin. Nauka i zhizn' 29 no. 12:64d-65 D '62.

Zhmud', A. E. [Screw pumps with cycloid engagement] Vintovye nasosy s tsikloidal'nymi zatsplenitsem. Izd. 3, perer. i dop. Moskva, Mashgiz, 1963, 153 p.

PUMPING MACHINERY—TESTING

Laboratory studies of an ejector. N. T. Nazarov, E. V. Slastenin, P. P. Solov'ev. Sbor. trud. VNIINerud. no. 2: 53-63 '62.

PUMPING MACHINERY, ELECTRIC

Automatically controlled electric drive of a pump with level regulation. R. M. Slavin. Nauch. trudy VIESKH 11:5-51 '62.

Improvement of the gland chambers of feed pumps. E. V. Malyshkin, S. S. Gorbenko. Energetik 11 no. 2:11-12 F '63.

PUMPING STATIONS

Rubnovich, N. I. [Mobile pumping stations for irrigation] Peredvizhnye nasosnye stantsii dlia orosheniya. Moskva, Mashgiz, 1962, 115 p.

PUNISHMENT

Bellayev, N. A. [Objectives of punishment and how the institutions of corrective labor try to achieve them] Tseli nakazaniya i sredstva ikh dostizheniya v ispravitel'no-trudovykh uchrezhdeniyakh. [Leningrad] Izd-vo Leningr. univ., 1963, 185 p.

PUNJAB LANGUAGE—DICTIONARIES—RUSSIAN

Letters from India. Kal'ant Kumararamangalam, Ramesh Vallia, Kul't. i zhizn' 6 no. 12:36-37 '62.

PUPIL (EYE)

Threshold illumination on the pupil, created by a fixed light source, as related to the background brightness for various points of the retina. N. I. Pliegin, N. P. Travnikova. Dokl. AN SSSR 149 no. 6:1403-1404 F '63.

PUPPETS AND PUPPET PLAYS

Fryd, Norbert. [Traveling with puppets toward the equator: a little bit about everything and also on Ceylon, Java, Cambodia, and India] S kuklami k ekvatoru; ponemogu obo vsem, a takzhe o Tselone, Iave, Kambodzhe i Indii. Moskva, Gos. Izd-vo geogr. lit-ry, 1962, 269 p. (Puteshestviya, priklucheniya, fantastika)

In the "Solozmou'fifi'm" Studio. IA. I. Bellayev. Tekh. kino i telev. 7 no. 3:1-8 Mr '63.

PUS see Suppuration

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837

Smirnov-Sokol'skiy, N. P. [Stories about Pushkin's works published during his lifetime...] Rassказы o prizhiznennykh izdaniyakh Pushkina... Moskva, Izd-vo Vses. knizhnoi palaty, 1962, 630 p.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837—

HOMES AND HAUNTS

Consistence. S. Konenkov. Ogonek 40 no. 46:18-21 N '62.

PUSHKIN FAMILY

Pushkin's descendants. Sov. Soluz no. 1:30 '63.

PYATIGORSK—HEALTH RESORTS, WATERING PLACES, ETC.

Ten thousand letters from friends. O. Knorring. Ogonek 40 no. 20:30 My '62.

PYRAN

Series of pyran, its analogs, and related compounds. Part 2: Dialkylaminomethylation of osculetin and 4-methylsculetin. V. A. Zagorevskii, D. A. Zykov. Zhur. ob. khim. 33 no. 3:793-797 Mr '63.

PYRAZOLE

Reactions of hydrazine derivatives. Part 37: Synthesis of alkyl hydrazines and pyrazole esters of dimethylcarbamate acid. A. N. Kost, R. S. Sagitullin. Zhur. ob. khim. 33 no. 3:867-874 Mr '63.

PYRAZOLINE

Synthesis of di- Δ^4 -pyrazolines. E. E. Baroni, K. A. Kovyryzina. Zhur. ob. khim. 33 no. 3:959-963 Mr '63.

PYRIDINE

Alkylation of chloromino-pyridines. B. I. Mikhant'ev, E. I. Fedorov. Zhur. ob. khim. 33 no. 3:865-866 Mr '63.

Compounds formed by trivalent thallium with pyridine and quinoline. F. I. Kul'ba and others. Zhur. neorg. khim. 8 no. 4:911-915 Ap '63.

Pyridylthiazolymethane. Part 2: Synthesis and properties of 2-pyridyl-2'-thiazolylcarbinols. V. G. Ermo-laeva, I. S. Muntova, M. N. Shchukha. Zhur. ob. khim. 33 no. 3:925-928 Mr '63.

PYRIDOXAL

Symposium on the problem of pyridoxal catalysis. A. E. Braustein. Vest. AN SSSR 33 no. 3:119-121 Mr '63.

Synthesis of pyridoxine (vitamin B₆) analogs. L. D. Smirnov and others. Izv. AN SSSR, Otd. khim. nauk no. 4:752-754 Ap '63.

PYROMETERS

Single-beam two-frequency pyrometer for measuring

flame temperatures. E. N. Maleev, D. S. Ermaev.

Opt. i spekt. 13 no. 4:598-601 O '62.

Use of the RAPIR-2 radiation pyrometer for the control of the quality in roasting corn flakes. A. A. Rudzitskii, M. I. Khait, M. A. Khaid. Kone. i ov. prom. 18 no. 4: 9-12 Ap '63.

PYROMETRY

Merson, J. A. L., and others. [Photopyrometry for the determination of surface temperature fields] Fotoprometricheskoe opredeleniye polet temperatur poverkhnostei. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 21 p. (Poredovoi nauchno-tekhn. i proizvodstvennyi opyt. Tema 34, No. P-58-91/1)

PYROPHOSPHORIC ACID

Pyrovanadophosphoric acid. G. B. Seifer, I. V. Tenanacev. Zhur. neorg. khim. 8 no. 4:1011-1012 Ap '63.

PYRROLIDINE

Isomerism of di-, tri-, and tetrapyrrolidyl derivatives of a phosphonitrile chloride trimer. A. A. Kropacheva, N. M. Kashnikova. Zhur. ob. khim. 33 no. 3:1045-1047 Mr '63.

Q FEVER

(see also subdivision under Leningrad; Luga District)

Epidemiological characteristics of a local Q-rickettsiosis focus. K. H. Tokarevich and others. Trudy Len. inst. epid. i mikrobiol. 23:136-143 '61.

Experimental Q-rickettsiosis in white mice; studies made with fluorescent antibodies. R. B. Gelfin, N. I. Amosenkova. Trudy Len. inst. epid. i mikrobiol. 23:216-223 '61.

Role of ticks of the superfamily Ixodidae in Q-rickettsiosis. Report No. 1; On natural infection of the tick Ixodes ricinus L. by Rickettsia burneti. A. B. Daiter, N. I. Amosenkova, K. N. Klenova. Trudy Len. inst. epid. i mikrobiol. 23:154-165 '61.

Role of ticks of the superfamily Ixodidae in Q-rickettsiosis. Report No. 2; Infection of the tick Ornithodoros papillipes Bir. by Rickettsia burneti in an experiment. A. B. Daiter, N. I. Amosenkova. Trudy Len. inst. epid. i mikrobiol. 23:166-180 '61.

QUACKS AND QUACKERY see subdivision under United States

QUADRICS

Invariants and standard representations of quadrics in quasi-elliptic spaces. S. L. Pavzner. Dokl. AN SSSR 149 no. 4:773-775 Ap '63.

QUALITY CONTROL

Braginskii, L. I. [Statistical control of production quality by the method of dimension fields] Statisticheskii kontrol' kachestva produktov po metodu poloi razmerov. Moskva, Mashgiz, 1962, 49 p.

[MICROFILM]

QUANTUM ELECTRODYNAMICS

Electron scattering in an external field with large momentum transfer [with summary in English]. S. I. A. Guzenko. Zhur. eksp. i teor. fiz. 44 no. 3:1093-1095 Mr '63.

Fusion of photons in the Coulomb field of nuclei [with summary in English]. E. A. Kuraev, S. S. Samnikov. Zhur. eksp. i teor. fiz. 44 no. 3:1015-1022 Mr '63.

Theory of Green's functions of vector fields. A. A. Slavyanov. Zhur. eksp. i teor. fiz. 44 no. 3:1116-1121 Mr '63.

QUANTUM ELECTRONICS

Recombination luminescence of AsGa and Ge following excitation by fast electrons. N. G. Basov, O. V. Bogdanovich. Zhur. eksp. i teor. fiz. 44 no. 3:1115-1116 Mr '63.

QUANTUM THEORY

Analytic properties of Regge pole trajectories [with summary in English]. LA, I. Aizimov, A. A. Ansel'm, V. M. Shekhter. Zhur. eksp. i teor. fiz. 44 no. 3:1078-1082 Mr '63.

Classification and splitting of levels in an external field. A. A. Levin. Opt. i spektr. 13 no. 4:580-581 O '62.

Degree of blackness of carbon dioxide at $T = 1000-4000^\circ\text{K}$. V. N. Soshnikov. Opt. i spektr. 13 no. 4:582-584 O '62.

Distortion of complexes $\text{Cr}^{3+}(\text{H}_2\text{O})_6$ and $\text{Ni}^{2+}(\text{H}_2\text{O})_6$ and the splitting of the spin levels of Cr^{3+} and Ni^{2+} owing to the Jahn-Teller effect. V. I. Arvankumov. Opt. i spektr. 13 no. 4:588-590 O '62.

Induced radiation processes in the quantum and classical theories. I. I. Sobel'man, I. V. Tutin. Usp. fiz. nauk 79 no. 4:595-616 Ap '63.

Levich, V. G., and others. [Course in theoretical physics] Kurs teoreticheskoi fiziki. Moskva, Fizmatgiz.

Vol. 2. [Electromagnetic processes in matter, Quantum mechanics] Elektromagnitnye protsessy v veshchestve. Kvantovaya mekhanika. Pod red. V. G. Levicha. 1962. 819 p.

One possibility of calculating the discontinuities of the transition amplitudes above the threshold of generation of more than two particles [with summary in English]. F. M. Kuni, V. A. Franke. Vest. LGU 18 no. 4:15-19 '63.

Periodicity of isotopic exchange in diatomic molecules. A. M. Rozen, A. I. Mikhailichenko. Dokl. AN SSSR 148 no. 5:1133-1136 F '63.

Phase shift analysis of elastic scattering at 650 Mev. [with summary in English]. R. LA, Zul'karneev, I. N. Stin. Zhur. eksp. i teor. fiz. 44 no. 3:1105-1110 Mr '63.

Principle of the increase of entropy and the quantum theory of relaxation. V. M. Fain. Usp. fiz. nauk 79 no. 4:541-590 Ap '63.

Quantization for quasi-particles with a periodic dispersion law in a high magnetic field [with summary in English]. M. IA, Azbel'. Zhur. eksp. i teor. fiz. 44 no. 3:980-982 Mr '63.

Quantum oscillations of magnetoresistance in n-InSb in high pulsed magnetic fields. Kh. I. Amirkhanov, R. I. Bashirov, IU, E. Zakiev. Dokl. AN SSSR 148 no. 6:1279-1282 F '63.

Radiation by atoms moving in the field of a standing wave [with summary in English]. S. G. Rautian, I. I. Sobel'man. Zhur. eksp. i teor. fiz. 44 no. 3:834-845 Mr '63.

Regge poles in nucleon-nucleon and nucleon-antinucleon scattering amplitudes [with summary in English]. D. V. Volkov, V. N. Gribov. Zhur. eksp. i teor. fiz. 44 no. 3:1058-1077 Mr '63.

Resonance oscillation relaxation of a system of harmonic oscillators. E. E. Nikitin. Dokl. AN SSSR 148 no. 6:1298-1301 F '63.

Some aspects of the mathematical structure of quantum theory [with summary in English]. IU, A. Iappa. Vest. LGU 18 no. 4:34-40 '63.

Spectroscopic sum rules taking induced emission into account. K. K. Rebane, O. I. Sil'p. Opt. i spektr. 13 no. 4:455-470 O '62.

Svyrydenko, V. M. [Role of mathematical hypotheses in the interpretation of microphysical phenomena; materials showing the development of nonrelativistic quantum mechanics] Rol' matematicheskoi hipotezy v pizmanni mikrofizicheskoi na materialakh rozvytku nerelativistskoi kvantovoi mekhaniki. Kyiv, Vyd-vo AN URSR, 1962. 171 p.

Volume recombination in a cesium plasma [with summary in English]. IU, M. Aleskovskii. Zhur. eksp. i teor. fiz. 44 no. 3:840-847 Mr '63.

Vul, B. M., and E. L. Feinberg, eds. [From classical to quantum physics; fundamental representations in the theory of the constitution of matter] Ot klassicheskoi fiziki k kvantovoi; osnovnye predstavleniya ucheniya o stroenii materii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 69 p. (Akademiya nauk SSSR, Nauchno-popularnaya seriya)

QUARRIES AND QUARRYING see subdivision under East Kazakhstan Province

QUARTZ

Low-temperature quartz-albite alterations of rocks near uranium ore bodies. G. A. Lisitsina, B. I. Omel'yanenko, P. A. Raudonis. Geol. rud. mestorozh. 5 no. 1:7-18 Ja-F '63.

QUARTZITE—MAGNETIC PROPERTIES see subdivision under Dnieper Valley

QUEUEING THEORY

Limit theorem in the queueing theory. S. M. Brodi. Ukr. mat. zhur. 15 no. 1:76-79 '63.

QUINACRINE

Results of treatment of the intestinal form of lamblia in children. V. I. Khalitova. Trudy Kish. gos. med. inst. 13:139-143 '60.

QUINIZARIN

Chemistry of 1,4-dihydroxyanthraquinone. Part 2: Reaction of 1,4-dihydroxy-1-methylanthraquinone with nitric acid. V. I. Gudzenko. Zhur. ob. khim. 33 no. 3:940-943 Mr '63.

QUINOLINE

Compounds formed by trivalent thallium with pyridine and quinoline. F. IA, Kul'ba and others. Zhur. neorg. khim. 8 no. 4:911-915 Ap '63.

RABAT, MOROCCO—DESCRIPTION

In the capital of Morocco. IU, I. Asnev. Vokrug sveta no. 2:32-32a F '63.

RACE DISCRIMINATION see subdivision under South Africa, Republic of

RACE PROBLEMS

"Races; racial theory and imperialist policy" [in German] edited by H. Gerschlager. Reviewed by I. Gokhman. Sov. ein. no. 1:151-153 Ja-F '63.

RADAR

Aizimov, M. M., A. M. Bairahevskii, and V. A. Polozhnikov. [Radio engineering and radio navigation devices] Radiotekhnika i radionavigatsionnye pribory. Leningrad, Izd-vo "Morskoi transport," 1962. 474 p.

Golev, K. V. [Calculation of the operating range of radar stations] Raschet dal'nosti deistviya radiolokatsionnykh stantsii. Moskva, Sovetskoe radio, 1962. 204 p.

RADAR IN ASTRONOMY

"Radar investigation of meteor phenomena" by B. L. Kashcheev, V. N. Lebedevets. Reviewed by I. S. Astapovich. Astron. zhur. 40 no. 2:393-395 Mr-Ap '63.

RADAR IN NAVIGATION

Radar method of determining the speed of ships and lag corrections. L. Shifrin. Mor. flot 23 no. 3:22-25 Mr '63.

RADCHENKO, ANDRII FEDOROVYCH, 1887-1939

A. F. Radchenko, a well-known public figure and party leader. M. I. Horlach. Ukr. ist. zhur. 6 no. 1:100-101 Ja-F '63.

RADIANT HEATING

Concrete heating panels. G. Shkalikov. Zhil. stroit. no. 2:24-26 '63.

RADIATION

Effect of iodine on the electric properties of products formed by a radiation-thermal modification of polyethylene. A. V. Vannikov, N. A. Bakh. Dokl. AN SSSR 149 no. 2:357-359 Mr '63.

Electron paramagnetic resonance spectrum of a hydrated electron in irradiated frozen alkaline solutions. B. G. Ershov and others. Dokl. AN SSSR 149 no. 2:363-366 Mr '63.

Induced radiation processes in the quantum and classical theories. I. I. Sobel'man, I. V. Tutin. Usp. fiz. nauk 79 no. 4:595-616 Ap '63.

Possibility of determining the yield of radicals in the radiolysis of diisopropyl ether by reaction with the FeCl_3 acceptor. V. V. Sarava, E. Z. Novgorodova. Kin. i kat. 4 no. 1:163-165 Ja-F '63.

Radiation by atoms moving in the field of a standing wave [with summary in English]. S. G. Rautian, I. I. Sobel'man. Zhur. eksp. i teor. fiz. 44 no. 3:834-845 Mr '63.

Radiation-initiated polymerization of fluorolefins. V. A. Khramchenkov. Dokl. AN SSSR 149 no. 2:338-340 Mr '63.

RADIATION—CONGRESSES

Congress on radiation research. A. M. Kuzin, N. A. Bakh. Vest. AN SSSR 33 no. 3:113-116 Mr '63.

RADIATION—DOSAGE

Bondarenko, I. P., and N. V. Budrova. [Fundamentals of dosimetry and radiation protection] Osnovy dozimetrii i zashchity ot izlucheni. Moskva, Vysshaya shkola, 1962. 287 p.

Photographic method for personal beta and gamma-ray dosimetry. V. F. Kozlov. Atom. energ. 14 no. 4:410-422 Ap '63.

Use of standardized dosimeters in fields of pulsed γ -radiation. A. M. Panchenko. Vop. doz. i zashch. ot izluch. no. 1:74-77 '62.

RADIATION—PHYSIOLOGICAL EFFECT

Accumulation of methemoglobin in irradiated erythrocytes. V. P. Makarov, B. G. Kovrov. Vop. biofiz., biokhim. i pat. erit. no. 2:125-128 '61.

Changes in the state of irradiated and nonirradiated erythrocytes stored under different temperatures. V. P. Makarov, N. B. Khripach. Vop. biofiz., biokhim. i pat. erit. no. 2:129-135 '61.

Character of the effect of the irradiated soil infusorian Colpoda maupasi on Azotobacter chroococcum. M. Mavrianova. Vop. biol. i kraev. med. no. 3:5-8 '62.

Effect of blood plasma and the gaseous medium on the development of radiation aftereffects in preserved erythrocytes. V. P. Makarov, N. B. Khripach. Vop. biofiz., biokhim. i pat. erit. no. 2:136-145 '61.

Effect of oxygen on the binding of dyes by proteins during irradiation. T. E. Pavlovskaya, A. G. Pasynskii. Dokl. AN SSSR 149 no. 4:976-978 Ap '63.

Interaction between the radicals of irradiated protein and alkyl phenols. I. I. Sapozhinskiy, M. S. Postnikov, N. M. Emanuel'. Dokl. AN SSSR 148 no. 5:1207-1209 F '63.

Luminescence microscopy of peripheral blood leucocytes from animals of various ages during X-ray irradiation. N. V. Gomzinskaya. Vop. biofiz., biokhim. i pat. erit. no. 2:146-152 '61.

Possible effect of increased doses of ionizing radiation on the genetic constitution of human population. N. V. Timofeev-Resnovskii. Trudy Inst. biol. UFAN SSSR no. 22:77-91 '62.

Seventy days out of a year (to be continued), Valerila Gordeeva. Simena 40 no. 6:2 of cover, 1-3 Mr '63.

Streptomycin, radiation and natural mutability. N. P. Dubinin, T. IA, Grozdova. Dokl. AN SSSR 149 no. 6:1397-1399 F '63.

RADIATION—SAFETY MEASURES

Behavior of radionuclides in an organism and methods of accelerating their excretion. I. P. Tregubenko. Trudy Inst. biol. UFAN SSSR no. 22:80-75 '62.

Bondarenko, I. P., and N. V. Budrova. [Fundamentals of dosimetry and radiation protection] Osnovy dozimetrii i zashchity ot izlucheni. Moskva, Vysshaya shkola, 1962. 287 p.

Protective action of radiation protectors (cysteamine, cysteine, AET) on the radiomimetic effect of the products of oleic acid oxidation. M. L. Kokushkina, N. P. Korolev, IU, B. Kudriashov. Dokl. AN SSSR 149 no. 4:973-975 Ap '63.

Romantsev, E. F. [Radiation and chemical protection] Radiatsiya i khimicheskaya zashchita. Moskva, Gosatomizdat, 1963. 206 p.

RADICALS (CHEMISTRY)

Beckmann rearrangement of a free radical. R. G. Rozantsev, R. A. Papko. Izv. AN SSSR, Otd. khim. nauk no. 4:764-765 Ap '63.

Electron paramagnetic resonance in free radicals of biological systems [with summaries in English, German and French]. A. I. Mochalidin, G. R. Rik. Vest. sel'sk. nauk 7 no. 12:134-138 D '62.

Formation of free radicals in the system $\text{RH}(\text{O}_2)$. Part I. Tetralin, cyclohexanol, cyclohexanone. E. T. Denisenko. Kin. i kat. 4 no. 1:53-59 Ja-F '63.

Formation of ion-radicals under the effect of gamma rays on the system tetrahydrofuran — styrene at -100°C . A. I. Nepomniashchii, V. I. Muromtsev, Kh. S. Bagdasarian. Dokl. AN SSSR 149 no. 4:801-804 Ap '63.

Free-radical isomerization of acetone diphenylmercaptole. R. Kh. Freidlina, A. B. Terent'ev, R. G. Petrova. Dokl. AN SSSR 149 no. 4:860-861 Ap '63.

Possibility of determining the yield of radicals in the radiolysis of diisopropyl ether by reaction with the FeCl_3 acceptor. V. V. Sarava, E. Z. Novgorodova. Kin. i kat. 4 no. 1:163-165 Ja-F '63.

Radicals, products of the thermal decomposition of substituted cyclohexadienone peroxide. V. D. Pokhodenko, L. N. Gantuk, A. I. Brodskii. Dokl. AN SSSR 149 no. 2:321-323 Mr '63.

Recombination processes of free radicals on semiconductor surfaces and their role in luminescence. F. F. Volkenshtein, A. N. Gorban', V. A. Sokolov. Kin. i kat. 4 no. 1:24-34 Ja-F '63.

RADICALS (CHEMISTRY)—MAGNETIC PROPERTIES

Note on the article "Antiferromagnetism of free radicals." A. M. Prokhorov, V. B. Fedorov. Zhur. eksp. i teor. fiz. 44 no. 3:1125-1126 Mr '63.

RADICALS (CHEMISTRY)—SPECTRA

Electron paramagnetic resonance in liquid and supercooled solutions of some free radicals. N. S. Gribanov, A. V. Il'inskiy, IU, V. Iablokov. Dokl. AN SSSR 149 no. 4:876-879 Ap '63.

RADIO

Aizimov, M. M., A. M. Bairahevskii, and V. A. Polozhnikov. [Radio engineering and radio navigation devices] Radiotekhnika i radionavigatsionnye pribory. Leningrad, Izd-vo "Morskoi transport," 1962. 474 p.

Broaden the knowledge of radio engineering. Radio no. 12:3-4 D '62.

Characteristics of a great man. L. Sergeev. Radio no. 4:3-4 Ap '63.

Compensated sound intensity regulator. I. Esichenko. Radio no. 4:30 Ap '63.

Conversion of the power supply block of an automobile receiver. K. Chumakov. Radio no. 12:47 D '62.

Develop and improve means of radio communications, television broadcasting and radio broadcasting. A. I. Badalov. Vest. svyazi 23 no. 1:3-4 Ja '63.

Evaluation of the reliability of a radio electronic system containing several similar subblocks. L. L. Barvinaki. Izv. vys. ucheb. zav. radiotekh. 6 no. 1:72-78 Ja-k '63.

A high-frequency amplifier. E. Bornevolokov. Radio no. 12:34-37 D '62.

Krivitskii, B. Kh. [Automatic systems in radio apparatus] Avtomaticheskie sistemy radiotekhnicheskikh ustroystv. Moskva, Gosenergoizdat, 1962. 664 p.

Lenin, U. S. S. R., and the world! Radio no. 4:3 Ap '63.

Matter of foremost importance. Radio no. 4:1-2 Ap '63.

New circuit for automatic gain control. IU, Khabarov, B. Khokhlov. Radio no. 4:46 Ap '63.

[Radio electronics abroad] Zarub. radioelek. no. 3 Mr '63.

We should search for and find inexhaustible reserves. Radio no. 12:1-2 D '62.

RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' no. 3 Mr '63.

RADIO—ANTENNAS

Increase in the operational bandwidth of the ShAU-51 wide-band antenna amplifier. Vest. svyazi 23 no. 3: 13-14 Mr '63.
Rotary antenna joints. A. Terletskii, N. Poptsov. Radio no. 4:28-30 Ap '63.

RADIO—BIBLIOGRAPHY see Bibliography—Radio

RADIO—EQUIPMENT AND SUPPLIES

Arrow-type tuning indicator. K. Shvetsov. Radio no. 4: 20 Ap '63.

Benenson, N. M. [Manufacture of components from electrical steel] Opyt izgotovleniya detalei iz elektrotekhnicheskoi stali. Leningrad, 1962. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Metallovedenie i termicheskaya obrabotka, no. 9)

Vozniuk, V. V. [Radio amateur designs] Radiolubitel'skie konstruktsii. Novosibirsk: Novosibirskoe knizhnoe izd-vo, 1961. 133 p.

[MICROFILM]

RADIO—INTERFERENCE

Faslovskii, I. A., and I. M. Furmanov. [Specialized radio interference measuring devices] Spetsial'nye izmeritel'nye radiopomekhi. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 45 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-21/6)

Use of a flaw detector for locating sources of radio and television interference on 110 kv. electric power transmission lines. A. P. Karamzin, N. G. Korzhagin. Elek. sta. 34 no. 3:82-84 Mr '63.

Utiamshev, R. I. [GP-200 system for determining the interference rejection of radio apparatus] Ustanovka GP-200 dlia opredeleniya pomekhoustolchivosti radio-tekhnicheskikh ustroystv. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-24/7)

RADIO—RECEIVERS AND RECEPTION

Brandenbrenner, A. A. [Central wobulator for visual alignment of the IF of AM and FM channels of radio receivers] TSentralizovannyi generator kachalushchelsin chastyot dlia vizual'noi nastroyki AM i ChM traktov promezhutochnoi chastyoty radioveshchatel'nykh priemnikov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-114/15)

Pocket radio based on a homemade printed circuit. IUn. tekhn. 7 no. 3:74-75 Mr '63.

Push-pull output stage of a radio receiver. V. Kozlov. Radio no. 12:46 D '62.

A radio receiver for "fox hunting" games. A. Fonarev. Radio no. 12:20-22 D '62.

Vysheislavtsov, L. V., and V. M. Buzynets. [Oscillators for the alignment of radio receivers] Generatory dlia regulirovki radiopriemnikov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 30 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-4/2)

RADIO—REPAIRING

Repaired by radio amateurs. N. Babkin and others. Radio no. 12:33 D '62.

Replacement of the power supply switch in the "A-12" radio receiver. V. Kozhukhin. Radio no. 4:44 Ap '63.

RADIO—STUDY AND TEACHING

Teaching radio engineering and the technology of manufacturing radio apparatus. B. P. Stasiuk. Rad. shk. 41. no. 1:69-74 Ja '63.

RADIO—TRANSMITTERS AND TRANSMISSION

Agafonov, B. S. [Calculation of the operating conditions of transmitting tubes] Raschet ekspluatatsionnykh rozhimov generatortnykh lamp. Moskva, Gosenergoizdat, 1962. 223 p.

RADIO, MILITARY

[Radio engineering] Radiotekhnika; uchebnoe posobie dlia serzhantov voisk svyazi. [By] S. L. Davydov, I. P. Zherabtsov, F. L. Levinzon-Aleksandrov. Izd. 3., perer. i dop. Moskva, Voenizdat, 1963. 342 p.

RADIO, SHORTWAVE

Increase in the operational bandwidth of the ShAU-51 wide-band antenna amplifier. Vest. svyazi 23 no. 3: 13-14 Mr '63.
Operation of the anode circuit of the output stage of an amplifier of modulated oscillations of a television short-wave radio transmitter. A. I. Kebedev-Karmanov. Radiotekhnika 18 no. 3:42-53 Mr '63.
Radio receiver for operation on 144-148 mc. and 28-26, 7 mc. bands. V. Sergievskii. Radio no. 4:19-20 Ap '63.

RADIO, SHORTWAVE—EQUIPMENT AND SUPPLIES

Potential savings in electron tubes. P. E. Koval'chuk, B. K. Abramov, I. U. F. Ivashchenko. Vest. svyazi 23 no. 3:16 Mr '63.

RADIO, SHORTWAVE—TRANSMITTERS AND TRANSMISSION

Efficient design of ultrashort-wave radio transmitters. V. Petrov. Radio no. 4:21-23 Ap '63.

RADIO ANNOUNCING

More ringing speech. Konstantin Kirillov. Sov. pech. no. 2:40-42 F '63.

RADIO ASTRONOMY

The earth is listening. I. U. Rybchinskii. Sov. Soluz. no. 10:22-25 '62.

Observations of discrete radio sources at 3.2 cm. wave length at Pulkovo [with summary in English]. V. F. Zakharenkov and others. Astron. zhur. 40 no. 2:216-222 Mr-Ap '63.

Observations of the radio source Sagittarius B in the interstellar hydrogen line at 21 cm. wave length [with summary in English]. T. M. Egorova. Astron. zhur. 40 no. 2:382-384 Mr-Ap '63.

Radio emission of solar active regions in the millimeter wave range [with summary in English]. A. G. Kisliakov, A. E. Salomonovich. Astron. zhur. 40 no. 2:229-234 Mr-Ap '63.

Space broadcasts. V. Gukov. Ogonek 40 no. 46:10-11 N '62.

RADIO CLUBS

(see also subdivision under Armavir)

In close cooperation with an industrial enterprise. Radio no. 12:8 D '62.

A laboratory for radio amateurs. V. Kuz'min. Radio no. 12:5 D '62.

RADIO COMPASS

Characteristics of the use of a radio compass. E. Veresotskii. Grnzh. sv. 12 no. 1:28-31 Ja '55.

RADIO DETECTORS

Dependence of the selectivity of a synchronous detector on the asymmetry of the controlling voltage. K. B. Karande, G. A. Shtamberger, V. D. Gelfand. Radiotekhnika 18 no. 3:37-41 Mr '63.

RADIO DIRECTION FINDERS

A radio receiver for "fox hunting" games. A. Fonarev. Radio no. 12:20-22 D '62.

RADIO FILTERS

A QRM filter for reception of radiotelegraph signals (from "Electronics World," no. 3 1962). Radio no. 12: 56-57 D '62.

RADIO IN NAVIGATION

[Airborne radio navigation apparatus] Radiotekhnicheskoe sredstvo navigatsii letatel'nykh apparatov [By] G. P. Astaf'ev i dr. Moskva, Sovetskoe radio, 1962. 962 p.
Aizinov, M. M., A. M. Bairashevskii, and V. A. Polozhinskiy. [Radio engineering and radio navigation devices] Radiotekhnika i radionavigatsionnye pribory. Leningrad, Izd-vo "Morskoi transport," 1962. 474 p.

Design of apparatus repair shops for electric and radio navigation, communications control and measurement, and automatic control in shipyards. B. Shatalov. Mor. flot 23 no. 3:35-37 Mr '63.

RADIO INDUSTRY

(see also subdivision under Budapest)

Berman, A. G., and A. S. Okun'. [Overall mechanization and improvement of the organization of production in the "Radist" Factory] Kompleksnaya mekhanizatsiya i sovershenstvovanie organizatsii proizvodstva na zavode "Radist," Leningrad 1961. 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriya: Organizatsiya i ekonomika proizvodstva)

Parnes, M. G. [Mechanization and automation of the production of radio components] Mekhanizatsiya i avtomatizatsiya izgotovleniya elementov radioapparatury. Moskva, Gosenergoizdat, 1963. 426 p.

RADIO INDUSTRY WORKERS—EDUCATION AND TRAINING

Contents of the training of radio assembly workers. N. M. Rosenberg. Shkola i proizv. 6 no. 12:24-30 D '62.

RADIO MEASUREMENTS

Experimental study of the overshoot of the deemphasized envelope of quasiharmonic noise. V. T. Gorlainov. Radiotekhnika 18 no. 3:3-9 Mr '63.

Faslovskii, I. A. [AP-28 interference analyzer] Analizator pomekh AP-28. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-101/14)

Faslovskii, I. A., and I. M. Furmanov. [Specialized radio interference measuring devices] Spetsial'nye izmeritel'nye radiopomekhi. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 45 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-21/6)

Measurement of nonlinear distortions. B. Babuk. Radio no. 12:30-31 D '62.

Reflectometers with undivided indication of incident and reflected waves. B. M. Maslovskiy, L. Z. Benaman. Radiotekhnika 18 no. 3:10-18 Mr '63.

Utiamshev, R. I. [GP-200 system for determining the interference rejection of radio apparatus] Ustanovka GP-200 dlia opredeleniya pomekhoustolchivosti radio-tekhnicheskikh ustroystv. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No. P-58-24/7)

RADIO MEASUREMENTS—EQUIPMENT AND SUPPLIES

see subdivision under Czechoslovakia

RADIO OPERATORS

Are one hundred and fifty participants too few for the all-Union competitions? K. Lutsenko. Radio no. 12: 11-12 D '62.

CQ SSB. Radio no. 12:19 D '62.

Following the amateur radio bands. N. Kazanskii. Radio no. 12:10-11 D '62.

An important link. F. Gafurov. Radio no. 4:7 Ap '63.

In close cooperation with an industrial enterprise. Radio no. 12:8 D '62.

In the Presidium of the Central Committee of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy. Radio no. 4:11 Ap '63.

A laboratory for radio amateurs. V. Kuz'min. Radio no. 12:5 D '62.

My remarks and suggestions. V. Frolov. Radio no. 4: 18 Ap '63.

The "ordinary" radio amateurs should be kept in mind. I. TSapiv. Radio no. 4:10-11 Ap '63.

Pledge of success. A. Matlavskaia. Radio no. 4:8-9 Ap '63.

A radio amateur must have the desire to experiment. Z. Laishev. Radio no. 12:16-17 D '62.

Radio amateurs in the military service. A. Leonov. Radio no. 12:18 D '62.

Short and ultrashort radio waves. Radio no. 12:14-15 D '62.

Short waves. A. Sukhov. Radio no. 4:12-13 Ap '63.

The team from the U. S. S. R. is in the lead. V. Lykov. Radio no. 12:13 D '62.

Ultrashort waves. R. Gaukhman. Radio no. 4:14-17 Ap '63.

A useful initiative. P. Sapronov. Radio no. 12:4 D '62.

RADIO PROGRAMS

(see also subdivision under Priural'nyy District)

Sunday in the rural community center. N. Chaplygin. Kul't. pros. rab. 24 no. 3:17-18 Mr '63.

RADIO RELAY SYSTEMS

Increase in the power of the TRSA-56 relay transmitter. E. I. Gutkin, A. T. Eshchenko, N. I. Stratinetskii. Vest. svyazi 23 no. 1:15-17 Ja '63.

RADIO WAVES

Statistical characteristics of the logarithm of the envelope of a random process. L. E. Koplovich. Radiotekh. i elektron. 8 no. 3:494-497 Mr '63.

RADIO WAVES—SCATTERING

Resonant scattering of radio waves by the trails of artificial satellites. I. U. S. S. S. R. L. A. Zhukovskiy. Radiotekh. i elektron. 8 no. 3:499-502 Mr '63.

RADIOACTIVE FALLOUT

Lapidevskii, V. K. [Diffusion chamber for determining slight α - and β -activities] Diffuzionnaya kamera dlia opredeleniya mal'kikh α - i β -aktivnostei. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 41. No. P-58-77/3)

RADIOACTIVE PROSPECTING

(see also subdivision under Azerbaijan; Siberia)

Activation logging in prospecting for fluorite deposits. V. I. Bardovskii. Sbor. st. MGION no. 1:112-115 '62.

Calculating the factors affecting the accuracy of the measurement in using the beta method to determine the potassium content of potassium rocks. P. I. Novikov. Sbor. st. MGION no. 1:134-142 '62.

Possibility of using the photoneutron method to determine the clark of beryllium in geology. B. I. Pol'akov, A. V. Gorev. Sbor. st. MGION no. 1:116-129 '62.

Practical use of radiometric methods in searching for rare metal ores. V. A. Kozitskii, A. F. Stankovskii. Sbor. st. MGION no. 1:47-60 '62.

Quantitative estimation of the iron content of ores based on radioactive logging data. A. M. Blumentsev, I. I. Fel'dman, Razved. i prom. geofiz. no. 46:102-117 '62.

Radiometric methods in prospecting for rare metal-carbonate deposits in Siberia. L. B. Zubkov, V. N. Kntazev. Sbor. st. MGION no. 1:65-77 '62.

Selection of optimal velocities in the registration of the gamma-gamma logging curve. I. A. Garkalenko, N. A. Shefitov. Geofiz. sbor. no. 2:116-117 '62.

Separate determination of the clark of potassium and the total of heavy radioactive elements. V. K. Alibonchkin and others. Sbor. st. MGION no. 1:93-99 '62.

Using a gamma survey performed on foot for geological mapping. E. P. Ustinov. Sbor. st. MGION no. 1:5-18 '62.

Using an emission survey to solve some problems in detailed geological mapping. E. P. Ustinov. Sbor. st. MGION no. 1:22-26 '62.

RADIOACTIVE PROSPECTING (Continued)

Using gamma-log diagrams in a quantitative determination of the potassium in potassium ores. P.I. Novikov. Sbor.st. MGION no.1:100-106 '62.

Using radiometric methods in prospecting for deposits of nonradioactive elements. E.L. Danilin, E.P. Ustinov. Sbor.st. MGION no.1:77-92 '62.

Using the gamma scattering method to study ore holes. A.IU. Bol'shakov. Sbor.st. MGION no.1:108-112 '62.

Using the results of an aerogamma survey in geological mapping. E.P. Ustinov. Sbor.st. MGION no.1:33-38 '62.

V.I. Vernadskii's role in the organization of systematic search for radioactive ores in our country. M.N. Al't-gauzen. Sov. geol. 6 no. 3:57-60 Mr '63.

RADIOACTIVE SUBSTANCES

Feasibility of obtaining information concerning the distribution of radioactive substances along the normal to the interface between two media. I.D. Savinski. Izv. AN SSSR, Ser. geofiz. no. 2:329-332 F '63.

Radioactive elements in argillaceous rocks of the Sar-mat deposits. N.D. Zulfugarly, A.S. Geldarov, A.N. Muriev. Azerb. khim. zhur. no. 2:119-122 '62.

Using beta backscattering in determining the effective atomic number and the concentration of heavy elements in powder samples of rocks and ores. E.E. Sozanskaya. Sbor.st. MGION no.1:120-134 '62.

RADIOACTIVE SUBSTANCES—DECAY

The universe... melts. D. Trifonov. Znan.-sila 38 no. 2: 42-44 F '63.

RADIOACTIVE TRACERS

Dudkin, V.A. [Investigating by means of radioactive tracers the formation of chemical heterogeneity in the axial zone of an ingot during the crystallization of killed steel] Issledovanie protsessov obrazovaniia khimicheskoi neodnorodnosti osyvoi zony slitka pri kristallizatsii spokoimoi stali metodom radioaktivnykh indikatorov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 23. No. M-58-110/2)

RADIOACTIVITY—SAFETY MEASURES

Radioactive contamination of the biosphere and measures for controlling this contamination. N.V. Timofeev-Resovskii. Trudy Inst. biol. UFAN SSSR. no. 22: 7-16 '62.

RADIOBIOLOGY

Roginskii, S.Z., and S.E. Shnol'. [Isotopes in biochemistry; theoretical principles, problems, results] Izotopy v biokhimi; teoreticheskie osnovy, problema-tika, rezul'taty. Moskva, Izd-vo Akad. nauk SSSR, 1963. 378 p.

Romanitsyev, E.F. [Radiation and chemical protection] Radiatsiia i khimicheskaya zashchita. Moskva, Gosatomizdat, 1963. 206 p.

RADIOBROADCASTING

(see also subdivision under Moscow)
"Good morning!" Rimma Likhach, Tat'iana Troitskaya. Ogonek 41 no. 1:20-21 Ja '63.

RADIOCHEMISTRY

Apparatus for radiochemical investigations in an IRT-2000 reactor channel. A.A. Akhundov and others. Atom. energ. 14 no. 4:412-414 Ap '63.

Investigation of energy transfer processes by the luminescence and radiation chemistry methods. V.A. Kron-gauz, I.N. Vasil'ev. Ktn. i kat. 4 no. 1:67-75 Ja-F '63.

RADIO DIAGNOSIS see Diagnosis, Radioscopic

RADIOGRAPHY

Penetrating apparatus. IU. Vilens'kii. Znan.-ta pratsia no.1:13 Ja '63.

RADIOISOTOPES

Action of radiators on phytocenoses and the effect of the latter on the migration and redistribution of radio-isotopes in soils. N.V. Kulikov and others. Trudy Inst. biol. UFAN SSSR. no. 22:31-47 '62.

Atomic calendar of a planet. L. Boborov, IU. Shukoliukov. Tekh. mol. 31 no. 1:34-36 '63.

Fate of radioisotopes in the bodies of water. E.A. Timofeeva-Resovskaya, B.M. Agafonov, M.V. Timofeev-Resovskii. Trudy Inst. biol. UFAN SSSR. no. 22: 49-67 '62.

More accurate values for the gamma-constants of radio-isotopes. N.G. Gusev, V.P. Mashkovich, B.V. Verbitskii. Vop. doz. i zashch. ot izluch. no. 1:7-23 '62.

Sorption of radioactive isotopes by soil. A.A. Tikhonova, N.A. Timofeeva. Trudy Inst. biol. UFAN SSSR. no. 22: 17-29 '62.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Dzhagatspanian, R.V., and others. [Application of radioisotopes to the control of chemical processes] Primenenie radioaktivnykh izotopov dlia kontrolya khimicheskikh protsessov. Moskva, Goskhimizdat, 1963. 343 p.

Ovchinnikov, IU. M. [The use of radioactive isotopes in printing; a survey of Russian and foreign literature] Primenenie radioaktivnykh izotopov v poligrafii; obzor otechestvennoi i inostrannoi literatury. Moskva, 1960. 66 p. (Moscow. Vsesoluznyi nauchno-issledovatel'skii institut poligraficheskoi promyshlennosti. Informatsionnye materialy, no. 25)

[MICROFILM]

Skrabtsov, A.M. [Radioisotopes in the investigation of the open-hearth process] Radioaktivnye izotopy pri issledovanii martenovskogo protsessu. Moskva, Metallurgizdat, 1963. 136 p.

Use of radioactive rays in the control and measuring devices of marine diesel engines. V.F. Bol'shakov. Inform. sbor. TSNIMF no. 73, Tekh. ekspl. mor. flota no. 13:85-91 '62.

RADIOISOTOPES—SAFETY MEASURES

Zlobinski, B.M., and N.S. Nemtsov. [Labor protection in metallurgical shops using radioisotopes] Okhrana truda pri ispol'zovanii radioaktivnykh izotopov v metallurgicheskikh tsekhakh. Moskva, Metallurgizdat, 1962. 61 p. (Biblioteka po okhrane truda v metallurgii)

RADIO METER

A dosimeter (from "Elektronika World," no. 6 1962). Radio no. 12:57 D '62.

RADIOTELEGRAPH

Amplitude-phase method for suppressing impulse interference in radio telegraphy reception. D.V. Ageev, V.F. Riabkov. Izv. vys. ucheb. zav. radiotekh. 6 no. 1: 59-63 Ja-F '63.

RAFFAEL SANZIO, 1483-1520

A hymn to maternity. N. Elisberg. Nauka i rel. 4 no. 3:63-65 Mr '63.

RAGS

Kutelnikov, F.F. [Paper stock and rag resources for the manufacture of paper and cardboard] Resursy makulatury i trapa dlia proizvodstva bumagi i kartona. Moskva, Goslesbumizdat, 1962. 136 p.

RAILROAD BRIDGES see subdivision under Dniester River

RAILROAD BRIDGES—MAINTENANCE AND REPAIR

Complex system of repairing engineering structures. S.V. Tormazov, N.L. Eroflov. Put' i put. khoz. 7 no. 4:13-14 '63.

Experience in the operation of steel span structures of railroad bridges reinforced with the use of welding. V.O. Osipov. Trudy MIT no. 154:64-105 '62.

Experience in the reconditioning of members of riveted and welded spans. A.V. Ivanov, V.O. Osipov. Trudy MIT no. 154:106-141 '62.

He struggles for progress. V.O. Pevzner. Put' i put. khoz. 7 no. 1:32-33 '63.

Mechanisms for bridge maintenance and repair. M.N. Provodina. Put' i put. khoz. 7 no. 1:26-28 '63.

Repair of bridge spans. V.G. Chaikovskii. Put' i put. khoz. 7 no. 1:23 '63.

RAILROAD BRIDGES—TESTING

Fatigue destruction of the parts of riveted spans of old bridges. G.K. Evgrafov and others. Trudy MIT no. 154:5-63 '62.

RAILROAD ENGINEERING

New letter about new foreign technology in railroad track and construction. Transp. stroi. 13 no. 2:50 F '63. They write to us. O.M. Pankin, G.B. Krasnykh. Transp. stroi. 13 no. 2:63 F '63.

RAILROAD ENGINEERING—COLD WEATHER CONDITIONS

Zhukkin, G.N., and N.A. Perstrukhin. [Roadbed construction in permafrost regions] Sooruzhenie zemliannogo polotna zhelenykh dorog v raionakh vechnoi merzloty; uchebnoe posobie po kursu "Stroitel'stvo zhelenykh dorog" dlia studentov dnevnogo, vechernego i zaocnogo obuchenia. Leningrad, Leningr. in-t inzhenerov zhel-dor, transporta im. V.N. Oraztsova, 1961. 61 p.

RAILROAD FERRIES see Train ferries

RAILROAD MOTORCARS

Shortcomings of the new type of track motorcar. N.E. Erofeev. Put' i put. khoz. 7 no. 4:27-28 '63.

RAILROADS

(see also subdivision under Angara Valley; Crimea; Donets Basin; Siberia)
Answering queries. Put' i put. khoz. 7 no. 4:46 '63.

RAILROADS—ABSTRACTS

[Railroad transportation] Ref. zhur. : Zhel. dor. transp. no. 4 Ap '63. Avtorakii ukazatel' za 1962 g.

RAILROADS—ACCIDENTS

Investigation of the work conditions of classification yard personnel and proposals for the elimination of traumatism. L.I. Titovs. Trudy MIT no. 148:71-92 '62.

RAILROADS—ACCOUNTING

Introduce machine accounting in railroad transportation more widely. A. Trofimov, G. Koljada, L. Chernyshev. Buhg. uch. 20 no. 3:37-43 Mr '63.

RAILROADS—AUDITING AND INSPECTION see subdivision under Kemerovo Province

RAILROADS—AUTOMATIC TRAIN CONTROL

Eliminate lack of personal responsibility in servicing automatic train stop devices. I.P. Bochkov. Avtom., telem. i sviaz' 7 no. 2:44 F '63.

RAILROADS—BUILDINGS AND STRUCTURES

We use sectional reinforced concrete constructions. V.L. Eremin. Put' i put. khoz. 7 no. 1:13-14 '63.

RAILROADS—CARS see subdivision under Leningrad; Nizhny Tagil

RAILROADS—COMMUNICATION SYSTEMS

Construction of an automatic telephone exchange by the workers of a railroad district. L.K. Kovritskii. Avtom., telem. i sviaz' 7 no. 2:34-37 F '63.

A new method for synchronizing high-frequency MF-3 apparatus. A.F. Kol'nov. Avtom., telem. i sviaz' 7 no. 2:34 F '63.

Two improvements of the networks of ShRPS-IV apparatus. K.M. Kulagin. Avtom., telem. i sviaz' 7 no. 2:42 F '63.

RAILROADS—CONSTRUCTION

Chibizov, G.A. [Mechanized methods of eliminating frost heave] Mekhanizirovannye sposoby likvidatsii puchiny; opyt putel'tsev Vostochno-Sibirskoi, Uzhno-Ural'skoi i Zapadno-Sibirskoi dorog. Moskva, Transzheldortizdat, 1963. 55 p.

Using the method of borehole charges in construction of the Abakan - Tayasht line. M.A. Baniatov, I.E. Kontrov. Transp. stroi. 13 no. 2:4-7 F '63.

RAILROADS—COST OF OPERATION

Larionova, E.V. [Calculating the cost of railroad transportation according to the types of traction] Raschet sostoimosti perevozok po vidam tiagi na zheleznykh dorogakh. Moskva, Transzheldortizdat, 1963. 65 p.

RAILROADS—DINING-CAR SERVICE

Editor's mail. S.Dmitrievskii and others. Sov. torg. 36 no. 3:42-43 Mr '63.

RAILROADS—EARTHWORK

The ADTS-2 unit at the construction project. V.F. Saranchukov, P.P. Tarasov. Transp. stroi. 13 no. 2:7-8 F '63.

Deepened ditches. I.V. Fetisovskov, L.P. Nikiforov. Put' i put. khoz. 7 no. 1:12 '63.

RAILROADS—ELECTRIC EQUIPMENT

Automatic switching-in of auxiliary power supply. B.A. Kalugin. Avtom., telem. i sviaz' 7 no. 2:17 F '63.

Continuous line methods for manufacturing code relays. M.S. Golovkov. Avtom., telem. i sviaz' 7 no. 2:47 F '63.

Electric vibratory tie tamper. N.A. Karpov, V.I. Shestopalov. Put' i put. khoz. 7 no. 1:34-37 '63.

Evaluation of networks according to their reliability. N.V. Lupa. Avtom., telem. i sviaz' 7 no. 2:10-13 F '63.

Organization of relay testing and repair operations in an equipment checking and testing station. G.N. Shvarts-sheln. Avtom., telem. i sviaz' 7 no. 2:30-32 F '63.

We need good measuring instruments. G.IA. Dukman. Avtom., telem. i sviaz' 7 no. 2:44 F '63.

RAILROADS—ELECTRONIC EQUIPMENT

Computers for engineering calculations. G.I. Koljada. Avtom., telem. i sviaz' 7 no. 2:45-47 F '63.

Construction of an automatic telephone exchange by the workers of a railroad district. L.K. Kovritskii. Avtom., telem. i sviaz' 7 no. 2:34-37 F '63.

Creative work of the members of a scientific and technical society. N.I. Strizh. Avtom., telem. i sviaz' 7 no. 2:23-26 F '63.

A new method for synchronizing high-frequency MF-3 apparatus. A.F. Kol'nov. Avtom., telem. i sviaz' 7 no. 2:34 F '63.

Some shortcomings of the ZhR-5 radio transmitter. V.V. Eremin. Avtom., telem. i sviaz' 7 no. 2:43 F '63.

Two improvements of the networks of ShRPS-IV apparatus. K.M. Kulagin. Avtom., telem. i sviaz' 7 no. 2:42 F '63.

Use of automatic control and remote control on railroads of large industrial enterprises. S.K. Nikitin, L.L. Tribukh. Avtom., telem. i sviaz' 7 no. 2:17-20 F '63.

RAILROADS—EMPLOYEES

(see also subdivision under Tambov Province; Vilnius)

Active mechanizer. K.K. Glinetskii. Put' i put. khoz. 7 no. 4:13 '63.

At the station of an outstanding electrician. N.S. Sychnskii. Avtom., telem. i sviaz' 7 no. 2:28-29 F '63.

The best in the profession. Put' i put. khoz. 7 no. 1:3, 8, 17 '63.

Garashchuk, the track walker. Gubkin. Put' i put. khoz. 7 no. 4:28 '63.

Honored track maintenance worker. P.I. Badrov. Put' i put. khoz. 7 no. 1:26 '63.

RAILROADS — EMPLOYEES (Continued)

- Indefatigable worker. E. S. Miliukov. Put' i put. khoz. 7 no. 1:31-32 '63.
New procedure for the allotment of land in the section of grants appropriated for railroad employees. Put' i put. khoz. 7 no. 1:37 '63.
We have successfully fulfilled our obligations. A. N. Ivanov. Avtom., telem. i sviaz' 7 no. 2:43 F '63.

RAILROADS—EMPLOYEES—DISEASES AND HYGIENE see subdivision under Ashkhabad

RAILROADS—EQUIPMENT AND SUPPLIES

- Ballast stone cleaning under heavy traffic conditions. N. A. Burlakov. Put' i put. khoz. 7 no. 4:11-12 '63.
Eliminated defects of the flaw detector. V. V. Safonov. Put' i put. khoz. 7 no. 1:30 '63.
Improving the working conditions. A. I. Vasukhino. Put' i put. khoz. 7 no. 4:36-37 '63.
Lantern with mercury switch. N. A. Pavluk. Put' i put. khoz. 7 no. 4:37 '63.
Proposals of defectoscope operators contribute to make savings. V. V. Gorbatov. Put' i put. khoz. 7 no. 1:29 '63.
Repair of an individual selector key. T. V. Dudenko. Avtom., telem. i sviaz' 7 no. 2:27 F '63.
Shortened boring bars. I. A. Rozenfel'd. Put' i put. khoz. 7 no. 4:12 '63.
Tie disassembling machine. D. P. Khomenko. Put' i put. khoz. 7 no. 4:14 '63.
Track inspection by means of mechanisms. A. A. Tiurikov. Put' i put. khoz. 7 no. 1:20-21 '63.

RAILROADS—FREIGHT CARS

- Car exchange area is a direct variant of growth potentiality. O. Tomas. Mor. flot 23 no. 3:8-10 Mr '63.

RAILROADS—GUIDES

- Bogdanova, V. I., and others. [Moscow - Central Asia; railroad guide] Moskva - Srednaya Azia; zheleznodorozhnyi putevoditel'. Moskva, Transzheldorizdat, 1962, 205 p.
[Moscow - Leningrad - Murmansk; railroad guide] Moskva - Leningrad - Murmansk; zheleznodorozhnyi putevoditel'. Moskva, Transzheldorizdat, 1962, 190 p.

RAILROADS—HUMP YARDS

- Investigation of the work conditions of classification yard personnel and proposals for the elimination of traumatism. L. I. Titova. Trudy MII no. 148:71-82 '62.
Preventing car derailing on cross switches. V. Z. Fakhrudinov. N. P. Kurenkov. Put' i put. khoz. 7 no. 4:35-36 '63.
Problems of the interaction and operational technology of the arrival and hump yards in classification stations. V. I. Otpushchennikov. Trudy MII no. 140:56-70 '62.

RAILROADS—LABOR PRODUCTIVITY

- Constantly increase the labor productivity. I. A. Antipov. Put' i put. khoz. 7 no. 1:10-11 '63.
Everyone must work with high productivity. S. I. Kotov. K. V. Pantukhina. Put' i put. khoz. 7 no. 4:3-5 '63.
Hidden potentialities for increasing the labor productivity of railwaymen. A. Orlov. Sots. trud 8 no. 3:52-56 Mr '63.

RAILROADS—MAINTENANCE AND REPAIR

- (see also subdivision under Tashkent)
Cut the costs for the maintenance of engineering structures. A. I. Pesov. Put' i put. khoz. 7 no. 4:15-16 '63.
Experience in the maintenance and repair of tracks with asbestos ballast. M. G. Burtelov. Put' i put. khoz. 7 no. 1:4-7 '63.
For cleanliness and order on tracks and right-of-way areas. Put' i put. khoz. 7 no. 4:1-2 '63.
Improving the planning of track overhauling. V. M. Karpov. Put' i put. khoz. 7 no. 1:47 '63.
Letters to the editor. Put' i put. khoz. 7 no. 4:40-42 '63.
Outstanding workers of workshops. V. V. Fomin. Put' i put. khoz. 7 no. 4:4-5 '63.
Prerequisite of successful work. N. P. Kott. E. V. Kolchanova. Put' i put. khoz. 7 no. 4:16 '63.
Providing for the passage of spring flood waters. A. I. Bekanov. Put' i put. khoz. 7 no. 4:2 '63.
Results of poor repairing. A. N. Leonov. Put' i put. khoz. 7 no. 4:28-29 '63.
Toward a new year, toward new achievements. Put' i put. khoz. 7 no. 1:1 '63.
Track overhauling within long "intervals." D. I. Serezhnikov. Put' i put. khoz. 7 no. 1:2-4 '63.

RAILROADS—MANAGEMENT

- (see also subdivision under Krasnyy Limn)
Solnikov, E. A., and G. A. Ugrumov. [Operational planning of the work in a railroad station] Operativnoe planirovanie raboty na stantsii. Moskva, Transzheldorizdat, 1963, 56 p. (Bibliotekha dezhurnogo po stantsii i poezdnoye dispetchera)

RAILROADS—RAILS

- Improving the relieving of temperature stresses. N. A. Slavkovskii, G. G. Baranov, V. G. Mamontov. Put' i put. khoz. 7 no. 4:17-18 '63.

RAILROADS—RAILS—DEFECTS

- Eliminated defects of the flaw detector. V. V. Safonov. Put' i put. khoz. 7 no. 1:30 '63.

RAILROADS—RAILS—WELDING

- How to prepare the refractory mass for thermite welding. V. N. Shepelev. Put' i put. khoz. 7 no. 4:43-45 '63.
Ways to improve the method of electric arc welding in a molten bath. V. N. Shepelev. Put' i put. khoz. 7 no. 1:24-25 '63.

RAILROADS—ROLLING STOCK

- Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. [Aluminum alloys for rolling stock] Aluminiyevye splavy dlia podvizhnogo sostava. Pod red. S. G. Vedenskha. Moskva, Transzheldorizdat, 1962, 41 p.

RAILROADS—SAFETY MEASURES

- Safety engineering in the division. M. N. Korfakin. Put' i put. khoz. 7 no. 4:28-30 '63.

RAILROADS—SANTATION see subdivision under Turkmenistan

RAILROADS—SIGNALING

- (see also subdivision under Zavittaya)
At the station of an outstanding electrician. N. S. Syehinskii. Avtom., telem. i sviaz' 7 no. 2:28-29 F '63.
Creative work of the members of a scientific and technical society. N. I. Strizh. Avtom., telem. i sviaz' 7 no. 2:23-26 F '63.
Device for adjusting and checking contact inserts of an air-membrane pedal. T. S. O. Berdichevskii. Avtom., telem. i sviaz' 7 no. 2:37-40 F '63.
Evaluation of networks according to their reliability. N. V. Lupal. Avtom., telem. i sviaz' 7 no. 2:10-13 F '63.
Schematic of a pulse tract circuit using rails with concrete ties. A. B. Shishliakov, A. F. Mikhailov, I. U. A. Kravtsov. Avtom., telem. i sviaz' 7 no. 2:5-7 F '63.
Use of automatic control and remote control on railroads of large industrial enterprises. S. K. Nikitin, L. L. Tribukh. Avtom., telem. i sviaz' 7 no. 2:7-8 F '63.

RAILROADS—SIGNALING—BIBLIOGRAPHY see Bibliography—Railroads—Signaling

RAILROADS—SIGNALING—BLOCK SYSTEM

- We have successfully fulfilled our obligations. A. N. Ivanov. Avtom., telem. i sviaz' 7 no. 2:43 F '63.

RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

- Pereshin, B. F. [Operation of traffic-control systems] Eksploataatsia marshrutno-kontrol'nykh ustroystv. Moskva, Transzheldorizdat, 1963, 55 p. (Bibliotekha dezhurnogo po stantsii i poezdnoye dispetchera)

RAILROADS—SNOW PROTECTION AND REMOVAL

- Gas heating of switches. E. V. Zakatalov. Put' i put. khoz. 7 no. 4:25-26 '63.
More self-propelled cleaning machines. D. M. Mel'nik. Put' i put. khoz. 7 no. 1:15-16 '63.

RAILROADS—STATIONS

- Development of section stations in large cities on main lines using electric and diesel traction. V. V. Kostetskii. Trudy MII no. 148:14-14 '62.
Problems in the complex designing and planning of transportation junction points in heavy industry areas. M. I. Shmulevich. Trudy MII no. 148:15-30 '62.
Rolling stock shouldn't be kept idle. M. Borisov. Komsum. zhizn' no. 13:20-21 JI '63.
Zemblinov, S. V., and Strakovskii, I. I. [Album of plans for the layout of station and junction components] Album skhem elementov stantsii i uzlov. Izd. 2, perer. i dop. Moskva, Transzheldorizdat, 1962, 89 p.

RAILROADS—SWITCHES

- Gas heating of switches. E. V. Zakatalov. Put' i put. khoz. 7 no. 4:25-26 '63.
Improve the switches. A. A. Simon. Put' i put. khoz. 7 no. 1:22-23 '63.
Maintenance of switches under high-speed traffic conditions. B. N. Kvasnikov. Put' i put. khoz. 7 no. 4:19-21 '63.
Mechanize the laying and replacement of switches. K. A. Blokhin. Put' i put. khoz. 7 no. 4:9-11 '63.

RAILROADS—TECHNOLOGICAL INNOVATIONS

- (see also subdivision under Dnepropetrovsk)
Proposals of efficiency promoters were very useful. L. Troitskii. Put' i put. khoz. 7 no. 4:32-34 '63.

RAILROADS—TRACK

- (see also subdivision under Germany, West)
Characteristics of the lining of continuous tracks. N. V. Laiko. Put' i put. khoz. 7 no. 4:24 '63.
Improving the track condition. N. F. Dubovik. Put' i put. khoz. 7 no. 1:17 '63.
Is there a need for rail canting on the switch tracks. N. A. Krasin. Put' i put. khoz. 7 no. 1:46 '63.
Road, speed and time. N. Potklov, I. Anchuk. Znan. - aia 38 no. 2:7 F '63.

- Take the dynamic actions into account in the evaluation of the conditions of the track according to the level. E. V. Pronkin. Put' i put. khoz. 7 no. 1:40-42 '63.

- The track lining machine in operation. V. I. Tarasov. Put' i put. khoz. 7 no. 4:22-23 '63.

- Using the testing string method in track alignment. V. A. Butenko. Put' i put. khoz. 7 no. 1:45-47 '63.

RAILROADS—TRACK—BIBLIOGRAPHY see Bibliography—Railroads—Track

RAILROADS—TRACKLAYING MACHINERY

- Mechanize the laying and replacement of switches. K. A. Blokhin. Put' i put. khoz. 7 no. 4:6-11 '63.

RAILROADS—TRAFFIC

- Determining the probable delays of trains because of the crossing of routes. M. I. Shmulevich. Trudy MII no. 148:31-55 '62.

RAILROADS—TRAIN SPEED

- Effect of the number of freight and passenger trains on their efficient speed level on double track lines. V. P. Mogila. Trudy MII no. 148:103-116 '62.

RAILROADS, INDUSTRIAL

- Problems in the complex designing and planning of transportation junction points in heavy industry areas. M. I. Shmulevich. Trudy MII no. 148:15-30 '62.

RAILROADS, NARROW-GAUGE—TRACK

- Superstructure of narrow-gauge railroad tracks without ballast. A. Ivankovich. Les. prom. 41 no. 1:21-22 Ja '63.

RAIN AND RAINFALL

- Solution of the raindrop coagulation equation taking condensation into account. A. M. Golovin. Dokl. AN SSSR 149 no. 6:1290-1293 F '63.

RAKHOV DISTRICT—DUCKS

- Sunrise in the region of Carpathian warm springs. P. Stegarov. Ukraina no. 2:30-31 Ja '63.

RAKITSNIKOV, ANDREI NIKOLAEVICH, 1903-

- Andrei Nikolaevich Rakitsnikov; on his 60th birthday. Vest. Mosk. un. Ser. 5: Geog. 18 no. 2:68-69 Mr-Apr '63.

RAKVERE—DISTILLING INDUSTRIES—BY-PRODUCTS

- Production of liquid feed yeasts at the Rakvere distillery. V. Draluk. Spirt. prom. 20 no. 2:42-43 '63.

RAMAN EFFECT

- Effect of the illumination geometry on the intensities observed and the degree of depolarization of Raman spectrum lines. I. U. I. Naberukhin. Opt. i spekt. 13 no. 4:498-504 O '62.
Raman spectra of AlCl₃ and AlBr₃ in different phase states. E. V. Pershina, Sh. Sh. Raskin. Opt. i spekt. 13 no. 4:498-501 O '62.
Raman spectrum of isotactic polypropylene. V. N. Nikitin, L. I. Maklakov. Opt. i spekt. 13 no. 4:503-504 O '62.
Use of Raman spectra in studying the structure of glassy phosphates. I. A. S. Bobovich. Opt. i spekt. 13 no. 4:492-497 O '62.

RANDOM PROCESSES

- Wiener-Hopf type of equation for n-dimensional random processes with rational spectral density. V. F. Pisarenko. Dokl. AN SSSR 149 no. 4:776-779 Ap '63.

RARE EARTH COMPOUNDS

- Complex formation of rare earth elements with ethylenediaminoacetic acid. I. U. P. Galaktionov, K. V. Astakhov. Zhur. neorg. khim. 8 no. 4:896-904 Ap '63.

RARE EARTH ISOTOPES

- New neutron-deficient isotopes of rare earth elements of the cerium group. A. K. Lavrukina, G. M. Kolesov. Dokl. AN SSSR 148 no. 5:1047-1048 F '63.

RARE EARTH METALS

- Effect of rare-earth metals on the properties of stainless steel. E. M. Savitskii and others. Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo no. 1:133-137 Ja-F '63.

RARE EARTH SILICATES

- Solid solutions of some rare earth orthosilicates with strontium orthosilicate. N. A. Toropov, Mao Chzhi-tsun [Mao Chih-ch'ung]. Zhur. neorg. khim. 7 no. 7:1632-1635 JI '62.

RARE EARTHS

- Electrode properties and chemical stability of lithium silicate glasses containing rare earth oxides and yttrium oxide [with summary in English]. A. I. Parfenov and others. Vest. LGU 18 no. 4:126-134 '63.

RASTI, MEHMET, 1914-

- A novel about Turkish textile workers; Orhan Kemal's "Murtaza." N. A. Alzenstein. Krat. soob. Inst. nar. Az. no. 60:48-56 '62.
Theme of the laboring man in short stories by Orhan Kemal. S. M. Uturgauri. Krat. soob. Inst. nar. Az. no. 60:57-63 '62.

RASKOLNIKS see Old Believers

RATEL see subdivision under Ust-Urt

RAUFF, WALTER

Error of the Obersturmbannführer Rauff. G. Gurov. Ogonok 41 no. 3:4-5 Ja '63.

RAYON

Artemenkov, M. O. [Preparation of viscose solutions] Prihotuvannya viskoznykh rozchyniv. Kyiv, Derzhlekhvydav URSR, 1963. 86 p.

Faktorovich, B. Sh. [Manufacture and finishing of viscose rayon] Obrabotka viskoznoho shovku. Kyiv, Derzhlekhvydav, URSR, 1962. 64 p.

RAYON SPINNING

Fedorov, V. H. [Viscose rayon spinning] Priadinna viskoznoho shovku. Kyiv, Derzhlekhvydav URSR, 1962. 78 p.

READING (ELEMENTARY)

Psychological analysis of the teaching of reading to pre-school children. Report no. 2: Significance of the auditory analysis of words. L. E. Zhurova. Dokl. APN G no. 6:47-50 '62.

READING MACHINES

Device for reading hand- and typewritten numbers. B. A. Bratus', A. M. Zinchenko, I. U. T. Mitulinski, Avtom. i prib. no. 1:32-34 Ja-Mr '63.

REALISM IN ART

Their credo is realism. I. U. Sergeev. Sov. Soluz no. 10: 47 '62.

REARRANGEMENTS (CHEMISTRY)

Common features of rearrangements with N→N and N→O bond breaking and the formation of the nitrile group. I. I. Grandberg, A. N. Kost, I. U. A. Naumov. Dokl. AN SSSR 149 no. 4:838-841 Ap '63.

Derivatives of benz(c,d)indoline. Part 8: Transformations of 1-arylamino-2-ones; opening of a heterocycle and rearrangement of pericarboxylic acids of hydrazo compounds. N. S. Dokunikhin, G. I. Bystritskii, Zhur. ob. khim. 33 no. 3:974-980 Mr '63.

Electron paramagnetic resonance spectrum and the rearrangement of the radical formed during the oxidation of ionol-CD₃. V. D. Pokhodenko and others. Dokl. AN SSSR 148 no. 6:1314-1315 F '63.

Retro-pinacolin rearrangement during the dehydration of tertiary neopentyl acetylenic alcohols. I. U. P. Artsyba-sheva, I. A. Favorskaya. Zhur. ob. khim. 33 no. 3: 1047-1048 Mr '63.

3,6-Endoxo-cyclohexenes and -cyclohexanes. Part 8: Wagner-Meerwein rearrangement during the halogenation of derivatives of 3,6-endoxo-cyclohexene, 3,6-endoxo-cyclohexene. I. U. K. Iur'ev, N. S. Zefirov. Zhur. ob. khim. 33 no. 3:804-813 Mr '63.

REBATES

Regulation of accounting for the discount of goods. N. Chub. Bukh. uch. 20 no. 3:55-58 Mr '63.

RECEPTORS (NEUROLOGY)

Role of the tactile and gustatory receptors in the origination of a reflex from the oral cavity on the gastric secretion. S. I. Krishab. Probl. stom. 6:386-389 '62.

RECKLINGHAUSEN'S DISEASE OF BONE see Osteitis fibrosa

RECLAMATION OF LAND see subdivision under Soviet Central Asia

RECOGNITION (INTERNATIONAL LAW)

Olenev, S. [International recognition of the U.S.S.R.] Mezhdunarodnoe priznanie SSSR. Moskva, Sotsekgiz, 1962. 98 p.

RECONSTRUCTION

Bilnov, A. I. [Revolutionary dictatorship of the Radical Republicans during the Reconstruction Era in the U.S.A., 1866-1868] Period revoliutsionnoi diktatury radikal'nykh respublikantsev vo vremia rekonstruktsii SShA, 1866-1868 gg. Krasnolarsk, Krasnolarskii gos. pedagog. in-t, 1960. 341 p.

RECREATION CENTERS

(see also subdivision under Leningrad; Moscow)

Inviting lights of the "Cafeteria for the young." V. Ivanov. Komsom. zhizn' no. 13:21-24 Jl '62.

RECTUM—FOREIGN BODIES

Removal of large foreign bodies from the rectum. N. I. Iufarkha, M. Akhmedov. Zdrav. Turk. 7 no. 1:28 Ja '63.

RECTUM—INNERVATION

Afferent innervation of the ganglia in the human rectum. T. L. Likhacheva. Dokl. AN SSSR 148 no. 5:1189-1191 F '63.

RED CROSS

International contacts of the Soviet Red Cross. M. S. Vetrov. Sov. Kras. krest 12 no. 5:11 S-O '62.

RED CROSS—CONGRESSES

Three days' experience. A. Antropova. Sov. Kras. krest 12 no. 5:15-16 S-O '62.

REDUCING AGENTS

Reducing properties of (NH₄)₂S₂O₈. N. D. Biriukov. Zhur. neorg. khim. 7 no. 7:1746-1750 Jl '62.

REDUCTION, CHEMICAL

Reducing properties of triethyl tin hydride. N. S. Viazhenkin, G. A. Razuvaev, C. P. Korneva. Zhur. ob. khim. 33 no. 3:1041-1042 Mr '63.

Reduction of uranium trioxide by a nitrogen-hydrogen mixture. V. G. Vlasov, V. M. Zhukovskii. Kin. i kat. 4 no. 1:76-81 Ja-F '63.

REDUCTION, ELECTROLYTIC

Effect of electrolysis conditions on the reduction of acetone of a zinc cathode. V. G. Khomiakov, A. P. Tomilov. Zhur. prikl. khim. 36 no. 2:378-385 F '63.

Effect of the structure of a zinc cathode on the electrolytic reduction of acetone. V. G. Khomiakov, A. P. Tomilov. Zhur. prikl. khim. 36 no. 2:373-378 F '63.

REED (BOTANY)

Organization of shops for the preparation and cleaning of reed chips. S. A. Perlov, S. S. Valchanskii. Bum. prom. 38 no. 3:17-19 Mr '63.

REED PRODUCTS see subdivision under Ukraine

REFLECTION (OPTICS)

Possible shapes of the reflection band and their variation as a function of the angle of incidence and the polarization of light; dispersion effect of reflection bands. Chzhan Guan-in' [Chang Kuan-yin]. Opt. i spektr. 13 no. 4:538-541 O '62.

REFLEXES

Neuroreflex syndrome in unilateral obstruction of the nose. I. N. Riga. Zdrav. Turk. 6 no. 6:15-20 N-D '62.

REFORMATORIES

In the midst of a child's life. S. Sivokon', G. Shprengren. Sem'ia i shkola 18 no. 3:36-38 Mr '63.

Reformatories for juveniles in prerevolutionary Russia. I. U. V. Gerbeev. Dokl. APN 6 no. 6:63-66 '62.

REFRACTION

Refraction of certain bonds in organoarsenic compounds. G. I. Kurnai, B. D. Chernokai'skii. Dokl. AN SSSR 149 no. 4:850-852 Ap '63.

REFRACTION, DOUBLE

Dynamic double refraction of the solutions of high-molecular ribonucleic acid. E. V. Frisman and others. TSitologiya 4 no. 3:323-325 My-Je '62.

REFRACTORY MATERIALS

How to prepare the refractory mass for thermite welding. V. N. Shepelev. Put' i put. khoz. 7 no. 4:43-45 '63.

Rammed lining in steel-pouring ladles. E. P. Pakov. Lit. proizv. no. 2:43-44 F '63.

Rapid laying of the refractories of coke oven batteries. M. Vidman. Prom. stroi. i inzh. soor. 4 no. 1:18-19 Ja-F '63.

Using ground powders in the repair of open-hearth furnace hearth bottoms. M. G. Briunetkin and others. Metallurg 8 no. 4:27-28 Ap '63.

REFRACTORY MATERIALS—DEFECTS

Refractory coatings with partial hydrolysis of ethyl silicates and some problems of the forming of efflorescence. A. A. Pomeranets. Lit. proizv. no. 1:38-39 Ja '63.

REFRACTORY MATERIALS—ELECTRIC PROPERTIES

Electric conductivity of oxide refractories at high temperatures. P. T. Oreshkin, M. N. Khrankova, L. P. Andreova. Izv. vys. ucheb. zav.; Chern. met. 6 no. 2: 142-149 '63.

REFRIGERANTS

Experimental study of the contact heat exchange. M. E. Aerov and others. Khol. tekhn. 40 no. 1:37-40 Ja-F '63.

Utilization of refrigerant mixtures in compression refrigerating systems. V. F. Chaikovskii, A. P. Kuznetsov. Khol. tekhn. 40 no. 1:9-11 Ja-F '63.

REFRIGERATED MOTORTRUCKS

Packaged freight transportation. I. N. Vystrelkov, N. F. Varaksin. Khol. tekhn. 40 no. 1:51 Ja-F '63.

REFRIGERATION AND REFRIGERATING MACHINERY

Absorption-ejector refrigeration unit. B. A. Minkus. Sbor. izobr. v ryb. prom. za 1959 g. 72-73. Absorption refrigeration unit. B. A. Minkus. Sbor. izobr. v ryb. prom. za 1959 g. 71-72.

Agarev, E. M., and L. E. Medovar. [Electronic indicators for refrigerator compressors] Elektronnye indikatory dlia kholodil'nykh kompressorov; nauchnoe soobshchenie. Moskva, Gostorgizdat, 1962. 64 p.

Air (gas expansion) refrigeration unit. V. S. Martynovskii skil. Sbor. izobr. v ryb. prom. za 1959 g. 73-75.

Effect of the superheating of sucked-in vapor on the performance of a Freon compressor. V. M. Shavro. Khol. tekhn. 40 no. 1:23-29 Ja-F '63.

Energy efficiency of a refrigerator compressor. L. F. Medovar. Khol. tekhn. 40 no. 1:33-37 Ja-F '63.

Experimental electrodynamic compressor for household refrigerators. G. A. Vikharev, I. M. Shnaid. Khol. tekhn. 40 no. 1:17-20 Ja-F '63.

Golovkin, N. A., and G. B. Chizhov. [Refrigeration technology for food products] Kholodil'naya tekhnologiya pishchevykh produktov. 2., dop. i perer. i dop. Moskva, Gostorgizdat, 1963. 240 p.

Method of wrapping products for freezing and cooling. D. A. Khristodulo. Sbor. izobr. v ryb. prom. za 1959 g. 79-80.

Put into practice the resolutions of the November Plenum of the Central Committee of the CPSU. Khol. tekhn. 40 no. 1:1-4 Ja-F '63.

Remote indicator of the level of liquid ammonia. V. M. Butenko. Sbor. izobr. v ryb. prom. za 1959 g. 77-79.

Rotenberg, A. G. [Solonoid diaphragm valves] Solonoidnye membrannye ventili; nauchnoe soobshchenie. Moskva, Gostorgizdat, 1962. 24 p.

Semiconductor cooler for liquids. V. A. Naer, S. A. Rozhentseva. Khol. tekhn. 40 no. 1:20-23 Ja-F '63.

Use of single-acting piston (reciprocating) compressors for the generation of low temperatures. K. D. Ken, L. I. Mak. Khol. tekhn. 40 no. 1:12-16 Ja-F '63.

Use of the excess potential energy of natural gas for production of electric power and refrigeration. G. E. Zarnitskii. Izv. vys. ucheb. zav. i energ. 6 no. 2:77-86 F '63.

REFRIGERATION AND REFRIGERATING MACHINERY—BIBLIOGRAPHY see Bibliography—Refrigeration and refrigerating machinery

REFRIGERATION AND REFRIGERATING MACHINERY—NOISE

Tikhomirov, V. A., and M. B. Rozenberg. [Noise and vibration in small refrigerating machines] Shum i vibratsii mal'nykh kholodil'nykh mashin. Moskva, Gostorgizdat, 1962. 62 p. (Obzor zarubezhnoi tekhniki)

REFRIGERATION AND REFRIGERATING MACHINERY—PERIODICALS

Conference of the readers of "Kholodil'naya tekhnika" journal. Khol. tekhn. 40 no. 1:70-71 Ja-F '63.

Forty years of work of the "Kholodil'naya tekhnika" journal and its immediate tasks. Sh. N. Kobulachvili. Khol. tekhn. 40 no. 1:5-8 Ja-F '63.

REFRIGERATION AND REFRIGERATING MACHINERY—RESEARCH

Regular session of the Scientific and Technical Council of Coordination. Khol. tekhn. 40 no. 1:71-72 Ja-F '63.

REFRIGERATION AND REFRIGERATING MACHINERY—VIBRATION

Tikhomirov, V. A., and M. B. Rozenberg. [Noise and vibration in small refrigerating machines] Shum i vibratsii mal'nykh kholodil'nykh mashin. Moskva, Gostorgizdat, 1962. 62 p. (Obzor zarubezhnoi tekhniki)

REFRIGERATOR SHIPS

Calculation of the insulation of pillars built in refrigeration holds. I. U. F. Nesterov. Ryb. khoz. 39 no. 3:31-37 '63.

REFRIGERATORS

Low-temperature AKhK-1 and DKhK-1 refrigerating units. A. P. Merkulov. Khol. tekhn. 40 no. 1:77-78 Ja-F '63.

Two-position temperature regulation in refrigerators. E. G. Feldman, N. I. Zhulboroda. Khol. tekhn. 40 no. 1: 50 Ja-F '63.

REFUGEES, UKRAINIAN see subdivision under Europe, Western

REFUSE AND REFUSE DISPOSAL

New garbage container. K. Volkov. Zhil.-kom. khoz. 13 no. 1:26-27 '63.

REFUSE AND REFUSE DISPOSAL—EQUIPMENT AND SUPPLIES

The unloading of garbage is mechanized. N. Baberkin. Zhil.-kom. khoz. 13 no. 3:27 Mr '63.

REGENERATION (BIOLOGY)

Current concepts of the mechanism of methemoglobin regeneration. V. V. Ovchinnikov. Vop. biofiz. i biokhim. i pat. erit. no. 2:116-124 '61.

Electron microscopic examination of the differentiation of cartilage cells in regenerating bone. L. N. Mikhailova. Dokl. AN SSSR 149 no. 2:431-433 Mr '63.

Histologic changes in chicken epidermis in reparative regeneration. L. B. Berlin, N. L. Kamenetskaya. Dokl. AN SSSR 149 no. 2:426-430 Mr '63.

Ovarian regeneration in mammals. L. D. Liozner. Usp. sovr. biol. 55 no. 1:118-120 Ja-F '63.

Relation of the volume and rate of regeneration to the size of the regenerate in the oligochaete Dero digitata. V. B. Kasimov. Dokl. AN SSSR 149 no. 4:985-987 Ap '63.

REGIONMONTANUS, JOHANNES, 1436-1476

Three manuscripts by Regionmontanus from the archives of the Academy of Sciences of the U.S.S.R. E. Tsiner. Ist.-astron. issl. no. 8:373-380 '62.

REGIONAL PLANNING

We need layouts of industrial districts and not layouts for regional planning. P. F. Shmelev. Prom. stroi. 40 [i.e. 41] no. 4:2-5 Ap '63.

REGISTERS OF BIRTHS, ETC.

From the practice of civil registry offices. Sov. iust. no. 4:31 F '63.

REINDEER see subdivision under Nenets National Area

REINFORCED CONCRETE

Road, speed and time. N. Pokidov, I. Anchuk. Znan. - stis 38 no. 2:7 F '63.

REINFORCED CONCRETE—MAINTENANCE AND REPAIR

Strengthening reinforced concrete elements of existing enterprises without shutting them down. N. M. Onufriev. Prom. stroi. 41 no. 2:40-52 F '63.

REINFORCED CONCRETE—TESTING

Resistance of concrete to being split by reinforcement. Sh. A. Aliev. Shor. trud. NIIZHolezobotona no. 5:167-181 '61.

REINFORCED CONCRETE CONSTRUCTION

"Flying stone." I. Glan. Izobr. i rats. no. 7:32-35 Ji '62.

Rapid construction of a shop at the Kuz'min Plant. G. I. Ratskevich. Prom. stroi. 40 [i.e. 41] no. 3:5-10 Mr '63.

We are for welding! N. O. Okerblom, N. G. Bazilevskii. Naeka i zhizn' 20 no. 12:69 D '62.

REINFORCEMENT IN CONCRETE see Concrete reinforcement

RELAPSING FEVER

Treatment of recurrent typhus by means of mapharsen. I. R. Drobnitskii. Trudy Kish. gos. med. inst. 13:83-91 '60.

RELATIVITY (PHYSICS)

Model of the universe in relativistic cosmology [with summary in English]. V. S. Brezhnev. Astron. zhur. 40 no. 2:280-283 Mr-Ap '63.

The Mössbauer effect and the theory of relativity. I. A. Smorodinskii. Usp. fiz. nauk 79 no. 4:589-594 Ap '63.

RELIGION

"Answers to believers; a popular manual." Reviewed by B. Mar'ianov. Nauka i rel. 4 no. 3:82 Mr '63. Darnansk'kiy, P. F. [If altars were able to speak]. Lakhy zakovoryly oltari; rozpovid' kolyshu'cho svyazhchenyky. Kyiv, Vyd-vo "Molod", 1962. 118 p.

International notes. Volov. atelst 3 no. 3:57 Mr '63. Koropator, P. F. [Whom does "God's word" serve?]. Romu sluzhit "slovo Bozhe", Vladivostok, Primorskoe knizhnoe izd-vo, 1961. 53 p.

News on various topics. Volov. atelst 3 no. 3:50-51 Mr '63.

"Specifics of religion" by D. M. Ugrinovich. Reviewed by M. Skibitskii. Nauka i rel. 4 no. 3:90-91 Mr '63.

RELIGION—BIBLIOGRAPHY see Bibliography—Religion

RELIGION, PRIMITIVE

Exhibits reveal. A. Druzhynin. Volov. atelst 3 no. 3: 52-53 Mr '63.

Loboviyk, B. O. [Causes of the origin of religious beliefs]. Prychyny vynyknennia religiiynykh viruvn'. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 54 p.

RELIGION AND LANGUAGE

The origin of language. A. Shysh. Volov. atelst 3 no. 3: 14-16 Mr '63.

RELIGION AND LITERATURE

Gavril Spiridonovich's disillusionment. Dmitro Kravtchuk. Volov. atelst. 3 no. 3:43-46 Mr '63.

RELIGION AND SCIENCE

Komarov, V. N. [Cosmos, God, and the eternity of the world]. Kosmos, Bog i vechnost' mira. Moskva, Gos. izd-vo polit. lit-ry, 1963. 213 p.

Science and technology against religion. I. U. Moralevich. Kul't. - pros. rab. 24 no. 3:52-53 Mr '63.

RELIGIOUS ETHICS

Bokarev, P. I. [Good and evil]. Dobro i zlo. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 46 p.

REMOTE CONTROL

(see also subdivision under Leningrad)

Automatic control of unloading trucks of belt conveyors. A. I. Finkel'. Vest. mashinost. 43 no. 3:36-39 Mr '63.

[Automatic control, remote control, and electric protection systems] Sistemy avtomaticheskogo i telemekhanicheskogo upravleniya i zashchity. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. 1957. 3 v. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, Nos. P-57-1/1, P-57-12/4, P-57-59/11)

Methods for preventing the distortion of remote control signals in rural forced electric power distribution networks. B. V. Smirnov. Nauch. trudy VIESKH 11:205-230 '62.

Miller, G. R. [Automatic and remote control in the electric power distribution systems of industrial enterprises] Avtomatizatsiya i telemekhanizatsiya v sistemakh elektrosnabzheniya promyshlennykh predpriyatiy; obzor. Leningrad, 1962. 66 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Energetika)

Not a fireman but a remote control operator. V. Chertilina. Neftonik 7 no. 7:31 Ji '62.

Remote control of an electric drive using one line. N. I. Kazakov. Energetik 10 no. 6:24-25 Je '62.

System of remote automatic control of marine diesel generators. V. N. Konstantinov, M. K. Maksimov. Sudostroenie 29 no. 1:39-43 Ja '63.

[Systems and apparatus for automatic and remote control, and regulation] Sistemy i apparatura dlia avtomaticheskogo i telemekhanicheskogo upravleniya i regulirovaniia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii.

No. 1. 1958. 28 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, No. P-58-17/1)

Trakhtman, L. D. [Remote control arrangement in an open-hearth furnace shop] Telemekhanicheskoe ustroystvo y martenovskom taekhe. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. 1958. 27 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 1, No. M-58-176/3)

Tutovich, V. N. [Contactless cyclic remote-control system] Beskontaktnaya tsiklicheskaia sistema telemekhaniki. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. 1957. 17 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42, No. P-57-83/9)

REMOTE CONTROL—BIBLIOGRAPHY see Bibliography—Remote control

RENDERING APPARATUS

Method of rendering fat by extraction from protein tissues of animals. V. V. Kolchev, N. E. Nikolaeva. Shor. izobr. v ryb. prom. za 1959 g. 183-84.

A method of rendering fat from fat-containing fish liver and a unit for carrying it out. I. N. Kul'bin. Shor. izobr. v ryb. prom. za 1959 g. 181-83.

RENT (ECONOMIC THEORY)

Logvinov, L. D. [Differential land rent and collective-farm economics] Differentsial'naya renta i ekonomika kolhozov. Moskva, Ekonomizdat, 1963. 201 p. Mosecov, Nauchno-issledovatel'skii finansovyi institut. [Collective farm monetary income and differential land rent] Denezhnye dokhody kolhozov i differentsial'naya renta. Moskva, Gosfinizdat, 1963. 222 p.

REPAIR AND SUPPLY STATIONS

Giants stopped by dwarfs. N. Manukovskii. Tekh. mol. 31 no. 1:36 '63.

REPAIR AND SUPPLY STATIONS—ACCOUNTING

Improve the system of accounting and reports at land and meadow improvement stations. A. Orlov. Vest. stat. no. 3:71-72 '63.

REPIN, IL'IA EFIMOVICH, 1844-1930

An evening with Repin. Lev. Nikulin. V mire knig no. 2:43-44 F '63.

REPIN, IL'IA EFIMOVICH, 1844-1930—BIBLIOGRAPHY see Bibliography—Repin, Il'ia Efimovich, 1844-1930

REPORTERS AND REPORTING

"Reporter" by Evgenii Rastchikov. Reviewed by M. Rozov. Ogonek 41 no. 10:15 Mr '63.

RESCUE WORK

What the newspapers are writing about. Sov. Soluz no. 1: 44 '63.

RESEARCH see subdivision under Siberia

RESEARCH, INDUSTRIAL

(see also subdivision under Omsk Province; Sverdlovsk Province)

Nazarov, I. N. [Production experiment and its role in knowledge] Proizvodstvennyi eksperiment i ego rol' v poznani. Moskva, Sotsekgiz, 1962. 132 p.

Vanguards of the builders of communism. NTO 5 no. 4:2-4 Ap '63.

RESINS, SYNTHETIC

Developing a method for the microscopic control of the impregnation of peat tissues. A. M. Zubin, E. P. Lazareva, S. V. Makarova. Nauch. issl. trudy NIIMP no. 11:80-90 '62.

RESISTANCE TO INSECTICIDES

New trend in studying the methods of overcoming insect resistance to insecticides. N. A. Tamarina. Usp. sovr. biol. 55 no. 1:130-133 Ja-F '63.

RESPIRATION

Agapov, I. A., comp. [Collection of tables on gas exchange] Sbornik tablits po gazoobmenu. Moskva, Medgiz, 1963. 79 p. (DNLM)

RESPIRATORY ORGANS—SURGERY

Amirov, F. F. [Plastic operations on the trachea and bronchi; experimental study] Plasticheskie operatsii na trakee i bronkhakh; eksperimental'noe issledovanie. Tashkent, Medgiz, UzSSR, 1962. 144 p. (DNLM)

REST PERIODS

Developing a scientifically based work and rest schedule. S. Kosilov. Sots. trud 8 no. 3:94-98 Mr '63.

RESTAURANTS, LUNCHROOMS, ETC.

Lights of young people's cafes. Komsom. zhizn' no. 7: 27-30 Ap '63.

On the way to paradise. V. Privat'skii. Ogonek 41 no. 10:26-29 Mr '63.

Public food service during the four years of the seven-year plan. S. Vasil'ev. Sov. trog. 36 no. 3:3-7 Mr '63.

Textbook on the economics of public dining. V. Andrushevskii, I. Zhilov. Sov. potreb. koop. 7 no. 4:62-63 Ap '63.

RESTAURANTS, LUNCHROOMS, ETC.—ACCOUNTING

Accounting for expendable articles of small value based on average weighted prices. K. Abdurkarimova. Bukhg. uch. 20 no. 2:50-59 F '63.

Improve accounting in public dining enterprises. V. Charnde and others. Bukhg. uch. 20 no. 2:28-36 F '63.

RESTAURANTS, LUNCHROOMS, ETC.—EQUIPMENT

Mechanical water supply in public dining rooms. A. Bokatin. Sov. potreb. koop. 7 no. 4:58-60 Ap '63.

RESTAURANTS, LUNCHROOMS, ETC.—PRICES

Narkayev, O. E., and others. [Price determination in public dining establishments] Tsenoobrazovanie v predpriyatiakh obshchestvennogo pitaniia. Moskva, Gosorgizdat, 1962. 80 p.

RESUSCITATION

Serzhant's second life. M. Halustiko. Ukraina no. 2: 32 Ja '63.

RETAIL TRADE

(see also subdivision under Baku; Dzhuvalinskii District; Estonia; Kazakhstan; Tselinograd Province; Uzbekistan; White Russia)

The buyer's smile. A. Nagornov. Komsom. zhizn' no. 5:8-9 Mr '63.

Economic councils at the commercial organizations. I. A. Sapelnikov. Sov. trog. 36 no. 3:17-19 Mr '63.

Editor's mail. S. Dmitrievskii and others. Sov. trog. 36 no. 3:42-43 Mr '63.

Progressive retail trade methods. N. Strogov. Sov. potreb. koop. 7 no. 4:49-54 Ap '63.

[Trade abroad; organization, new methods, and equipment of trade and public food service] Torg. za rub.; org., nov. metody, tekhn. i mass. pit. no. 4 '63.

RETAIL TRADE—ACCOUNTING

Accounting for goods sold on credit. E. Novak and others. Bukhg. uch. 20 no. 3:60-63 Mr '63.

Regulation of accounting for the discount of goods. N. Chub. Bukhg. uch. 20 no. 3:55-58 Mr '63.

RETAIL TRADE—AUDITING AND INSPECTION see subdivision under Kiev

RETAIL TRADE—EQUIPMENT AND SUPPLIES

Alzonshtein, I. M., and V. F. Ivanov. [Progressive forms of trade in consumers' goods] Progressivnye formy torgovli promyshlennymi tovarami. Moskva, Gosorgizdat, 1962. 102 p.

RETAIL TRADE—PRICES

Retail prices. I. Salimzhanov. Sov. trog. 36 no. 3:43-47 Mr '63.

RETICULO-ENDOTHELIAL SYSTEM

Changes in the reticulo-histocytic system of rabbits immunized with homologous tissues combined with killed streptococci [with summary in English]. A. S. Kaplanskii. Vop. revm. 1 no. 4:11-18 O-D '61.

RETINA

Threshold illumination on the pupil, created by a fixed light source, as related to the background brightness for various points of the retina. N. I. Pinigin, N. P. Travnikova. Dokl. AN SSSR 148 no. 6:1403-1404 F '63.

REVELATION

Revelation. Nauka i rel. 4 no. 3:76-77 Mr '63.

REVENUE—AUDITING AND INSPECTION

Sorokin, V. A., L. G. Skvitskiy, and I. K. Karatseva. [Organization of auditing work on government revenue] Organizatsiya revizionnoi raboty po gosudarstvennym dokhodam. Moskva, Gosfinizdat, 1962, 219 p.

REVOLUTIONISTS see subdivision under Bulgaria

REVOLUTIONS

Lenin, V. I. [Two tactics for social democrats in democratic revolution] Dve taktiki sotsial-demokratii v demokraticheskoi revoliutsii. Moskva, Gospolitizdat, 1963, 141 p.

REWARDS (PRIZES, ETC.)

Prizes to scientists. Vest. AN SSSR 33 no. 3:126 Mr '63.

RHENIUM

Galvanomagnetic properties of rhenium. N. E. Alekseevskii, V. S. Egorov, B. N. Kuznetsov. Zhur. eksp. i teor. fiz. 44 no. 3:1116-1119 Mr '63.

RHENIUM-HAFNIUM ALLOYS see Hafnium-rhenium alloys

RHEUMATIC FEVER

Acute psychotic outbursts in the late stages of rheumatic fever [with summary in English]. M. A. Asinovsky, E. A. Perel'muter. Vop. revm. 1 no. 4:87-91 O-D '61.

Antistreptolysinase in the blood in rheumatic fever and nonrheumatic myocarditis. S. I. Lilenko. Vop. pat. krovi i krovoobr. no. 6:109-112 '61.

Changes in the reticulo-histiocytic system of rabbits immunized with homologous tissues combined with killed streptococci [with summary in English]. A. S. Kaplanskiy. Vop. revm. 1 no. 4:11-18 O-D '61.

Clinical serological parallels in rheumatic fever. A. M. Smirnova, O. D. Grigor'eva. Vop. pat. krovi i krovoobr. no. 6:80-88 '61.

Cutaneous manifestations of rheumatic fever in adults [with summary in English]. Z. S. Kuleshova. Vop. revm. 1 no. 4:57-67 O-D '61.

Diagnostic value of determining antistreptolysin-O in the blood of children suffering from rheumatic fever [with summary in English]. Zh. Zh. Rapaport, A. M. Smirnova. Vop. revm. 1 no. 4:23-28 O-D '61.

Dynamics of endotheliosis in chronic tonsillitis before and after tonsillectomy. R. R. Feldman. Vop. pat. krovi i krovoobr. no. 6:94-98 '61.

Electrophoretic studies of blood protein fractions and hemosedimentographic observations in rheumatic fever. O. D. Grigor'eva. Vop. pat. krovi i krovoobr. no. 6:73-79 '61.

Endothelial cup test in rheumatic fever. K. V. Sokolova. Vop. pat. krovi i krovoobr. no. 6:94-98 '61.

Glycogen of blood leucocytes in patients suffering from chronic tonsillitis and rheumatic fever [with summary in English]. R. A. Minchina. Vop. revm. 1 no. 4:18-23 O-D '61.

Latent endotheliosis in chronic tonsillitis. S. I. Lilenko. Vop. pat. krovi i krovoobr. no. 6:106-108 '61.

Physical development of children suffering from rheumatic fever. V. I. A. Leont'ev [with summary in English]. Vop. revm. 1 no. 4:67-72 O-D '61.

Preventive treatment for rheumatic relapses in children [with summary in English]. E. I. A. Iul'ia, V. G. Sokolova, M. A. Izrael'evich. Vop. revm. 1 no. 4:49-52 O-D '61.

Radiological study of capillary permeability in rheumatic fever and infectious arthritis [with summary in English]. I. A. A. Sigidin. Vop. revm. 1 no. 4:42-45 O-D '61.

Rheumatic fever according to the data of psychiatric clinical studies and autopsies [with summary in English]. V. P. Kuselev. Vop. revm. 1 no. 4:81-87 O-D '61.

Thermoregulation disorders in rheumatic fever and focal infections. R. S. Ivanov. Vop. pat. krovi i krovoobr. no. 6:113-121 '61.

Vascular reactions in rheumatic lesions of the nervous system [with summary in English]. M. A. Fokin, T. I. Khadzhaeva. Vop. revm. 1 no. 4:35-42 O-D '61.

RHEUMATIC HEART DISEASE

Focal infections, rheumatic carditis and tonsillitis. V. A. Val'dman. Vop. pat. krovi i krovoobr. no. 6:3-21 '61.

Functional state of the myocardium in patients during the active phase of rheumatic fever as per ballistocardiographic and electrocardiographic data [with summary in English]. G. V. Ivanovskii. Vop. revm. 1 no. 4:40-49 O-D '61.

Some cytophysiological changes in the endocardium of the cardiac auricles in rheumatic fever [with summary in English]. A. A. Rogov. Vop. revm. 1 no. 4:3-10 O-D '61.

RHODANATES see Thiocyanates

RHODIUM COMPOUNDS

Compounds formed by rhodium with ethylenediaminoacetic acid. N. A. Ezerakia, V. N. Filimonova. Zhur. neorg. khim. 8 no. 4:830-838 Ap '63.

RHODIUM COMPOUNDS—SPECTRA

Infrared absorption spectra of rhodium (III) complex compounds with an inner-sphere sulfite group. A. V. Babayeva, I. U. I. A. Kharitonov, E. V. Shenderatskaia. Zhur. neorg. khim. 7 no. 7:1530-1537 Ji '62.

RIADCHENKO, IVAN, 1924-

"My troubled heart"; verse by Ivan Riadchenko. Reviewed by Ivan Goncharenko. Sov. Ukr. 12 no. 11: 177-180 N '62.

RIAZHNSKI, GEORGI GEORGIEVICH, 1895-1952

"Here they are, the new people!" A. Zhukova. Ogonek 40 no. 46:24 N '62.

RICE

(see also subdivision under Ukraine)

The PRS-4-30 plow for rice fields. G. D. Kaluzhnyi, G. I. Danilevich. Trakt. i sel'khoz mash. 33 no. 2:41-42 F '63.

RICE—IRRIGATION

Skripchinskaya, L. V. [Irrigation of rice] Orosheniye risa. Moskva, Sel'khozizdat, 1962, 120 p. (DNAL)

RICKETTSIA

Cutaneous allergic test with an antigen from Rickettsia prowazekii in typhus fever patients. D. A. Gvozdziova. Trudy Len. inst. epid. i mikrobiol. 23:15-24 '61.

Differentiation of various species of Rickettsia in lice by means of fluorescent antibodies. F. I. Krasnik, R. B. Goldin. Trudy Len. inst. epid. i mikrobiol. 23:80-84 '61.

Duration of the survival of Rickettsia prowazekii following the recovery from typhus fever; experimental studies. F. I. Krasnik. Trudy Len. inst. epid. i mikrobiol. 23:58-67 '61.

Local reaction in guinea pigs inoculated with Rickettsia prowazekii. T. N. Khavkin, N. I. Amosenkova. Trudy Len. inst. epid. i mikrobiol. 23:55-57 '61.

RICKETTSIAL DISEASES

Histopathological and laboratory diagnosis of rickettsiosis transmitted by gamasid mites (rickettsiosis D). I. R. Drobinskii. Trudy Kish. gos. med. inst. 13:71-82 '60.

Immunoluminescent method for studying the morphology of experimental rickettsioses. T. N. Chavkin, N. I. Amosenkova. Dokl. AN SSSR 149 no. 4:969-972 Ap '63.

Results of the parenteral use of tetracyclines in rickettsial and other diseases. I. R. Drobinskii, D. M. Kushnir. Trudy Kish. gos. med. inst. 13:59-69 '60.

RIFLE PRACTICE

Shooting a rifle at bobbing targets. Voen. znani 39 no. 2: 27-28 F '63.

RIGA—CRANES, DERRICKS, ETC.

History of the "Malysh." E. Oshin'sh. Izobr. i rats. no. 7:11 Ji '62.

RING COMPOUNDS see Cyclic compounds

RISERS (FOUNDING)

Heat insulation shells of expanded perlite sand for risers on steel castings. A. N. Tsihrlik, P. G. Vinichenko. Lit. proizv. no. 2:42 F '63.

Heating of riser heads on copper alloy castings. M. V. Bogovoi, P. L. Gritsova. Lit. proizv. no. 5:2-4 My '62.

Reducing the consumption of liquid steel in the production of shaped castings by the use of risers of efficient shape. V. N. Savitsko, P. F. Bel'tsov, E. T. Dobenko. Lit. proizv. no. 2:2-4 F '63.

RITES AND CEREMONIES

An important form of atheistic education. D. Sidorov, O. Poleshko-Poleski. Part. zhizn' no. 6:49-54 Mr '63.

Promoting workers' traditions. V. Shvertsait. Volov. atelst 3 no. 3:31-32 Mr '63.

RIVERS see subdivision under Perm Province

ROAD CONSTRUCTION see subdivision under Tallinn

ROAD MACHINERY

(see also subdivision under Poland)

Bromberg, A. A., and others. [Machines for road construction; road, construction, hoisting and conveying machinery, trucks and tractors] Mashiny dlia stroitel'stva dorog; dorozhnye, stroitel'nye i pod'emnotransportnye mashiny, avtomobili i traktory. [By] K. F. Abrosimov, A. A. Bromberg, P. P. Kataev. Pod red. A. A. Bromberga. Moskva, Mashgiz, 1962, 610 p.

Vasil'ev, A. A., and others. [Road-building machinery] Dorozhno-stroitel'nye mashiny; spravochnoe posobie. Pod red. I. I. Nekhoroshego. 3., perer i dop. izd. Moskva, Mashgiz, 1963, 596 p.

ROAD MACHINERY—ABSTRACTS

[Manufacture of mining machinery, construction equipment, and road machinery] Ref. zhur.: Gor., stroi. i dor. mashinostr. no. 4 Ap '63.

ROAD MACHINERY—PATENTS

Patent protection of construction and road machinery for export. O. V. Pavlov, I. U. D. Sergeev. Stroi. i dor. mash. 8 no. 2:12-15 F '63.

ROAD MACHINERY INDUSTRY

Raise construction and road machinery production to the level of modern objectives. Stroi. i dor. mash. 9 no. 2:1-2 F '63.

ROADS—ABSTRACTS

[Highways] Ref. zhur.: Avi. dor. no. 4 Ap '63.

ROADS—DESIGN AND CONSTRUCTION

(see also subdivision under Leningrad)

Gribnikov, S. M. [Designing road systems] Proektirovaniye setei avtomobil'nykh dorog. Kiev, Gostekhnizdat USSR, 1962, 110 p.

ROCK PRESSURE

(see also subdivision under Moscow Basin)

Determining pressure on interchamber and barrier pillars forming the periodic sequence. V. Rakhimov. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:123-132 '62. Justification of the engineering method for determining pressure on interchamber pillars. K. V. Ruppenchik, N. A. Davydova. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:110-122 '62.

Manifestation of rock pressure in longwalls in narrow-range mining of coals. D. N. Pavliuchenko. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:188-202 '62.

Method for determining pressure on pillars in isolated panel development. I. U. M. Liberman, T. S. Gomes. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:133-140 '62.

Studying the manifestation of rock pressure when testing combined hydraulic props. S. V. Mamontov. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:162-175 '62.

Using three-dimensional models for studying stress areas by photoelasticity when solving problems of rock pressure. V. F. Trumbachev, L. S. Molodtsova. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:141-161 '62.

ROCK WOOL see Mineral wool

ROCKET ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur.: Av. i raket. dvig. no. 4 Ap '63.

ROCKETS (AERONAUTICS)

[Problems of rocket engineering; translations and surveys of foreign periodical literature] Vop. raket. i kosm. sbor. perev. i obr. inostr. period. lit. 13 nos. 2-3 '63. Vertical motion of a rocket in a nonuniform gravitational field taking the resistance of the medium into account. A. I. Gurin, I. V. Iudin. Uch. zap. Mosk. gor. ped. inst. 86:77-107 '60.

ROCKETS (AERONAUTICS)—MODELS

Boys storm the sky. S. Kudravytsev. Ogonek 40 no. 20: 26-29 My '62.

ROCKETS (ORDNANCE)

Fate of the first "Kattusha's." N. Afanas'ov. Ogonek 41 no. 9:9-11 F '63.

ROCKETS IN METEOROLOGY

Measurement of the electrostatic field strength on the surface of geophysical rockets. I. M. Imshantov, G. I. Odalevich, I. A. M. Shvarts. Dokl. AN SSSR 148 no. 6: 1308-1308 F '63.

ROCKS see subdivision under Tikhvin District

ROCKS—ELECTRIC PROPERTIES

Laboratory investigations of the dispersion of dielectric permeability of rock samples. B. I. Koronov, G. M. Chernyi. Geol. i geofiz. no. 11:108-114 '62.

ROCKS—RADIOACTIVE PROPERTIES

(see also subdivision under Soviet Central Asia)

Nomogram for determining the porosity by volume and the mineralogical density of a rock and also the media by density which impregnate its pores. V. N. Dakhov. Razved. i prom. geofiz. no. 46:80-81 '62.

ROCKS—SAMPLING AND ESTIMATION

Using beta backscattering in determining the effective atomic number and the concentration of heavy elements in powder samples of rocks and ores. E. E. Sozanskaya. Sbor. st. MGION no. 1:129-134 '62.

ROCKS—TESTING

(see also subdivision under Krivoy Rog Basin)

Akademiya nauk SSSR, Institut gornogo dela. [Study of the physicomechanical properties of rocks relative to problems in controlling rock pressure] Issledovaniye fiziko-mekhanicheskikh svoistv gornykh porod pri menitel'no k zadacham upravleniya gornym davleniyami; sbornik statei. Pod red. M. M. Protod'akonova i R. I. Tetera. Moskva, Izd-vo Akad. nauk SSSR, 1962, 192 p.

Determining the compression strength of samples. G. I. Iagodin, M. F. Kuntsev. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:8-11 '62.

Determining the hardness and abrasion of rocks in rotary drilling. V. I. Karpov. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:12-16 '62.

Effect of size on the strength of rocks. E. I. Izhitskaya. Fiz.-mekh. svoia., dav. i razr. gor. porod no. 1:17-23 '61.

ROCKS — TESTING (Continued)

Effect of the coefficient of strength and abrasion of rocks on the force of cutting. Chzhan TSzia-lu [Chang Chia-lu]. Fiz., mekh. svoist., dav. i razr. gor. porod no. 1: 278-283 '62.

Musin, A. Ch., M. T. Bakaev, and P. I. Ovsianikov. [Using the microseismic method for studying the mass of rocks] Primenenie mikrosemicheskogo metoda dlia issledovaniia massiva gornykh porod. Moskva, Gosgortekhzdat, 1962. 61 p.

phenomenon of the "work hardening" of rocks. L. I. Baron, P. A. Mukhamediev. Izv. AN SSSR, Otd. tekhn. nauk. Met., i gor. delo no. 1: 201-203 Ja-F '63.

some problems in scientific studies in the field of hydraulic rock breaking. I. S. Kuklin. Trudy Inst. gor. dela UFAN SSSR no. 3: 3-7 '62.

ROCKS—THERMAL PROPERTIES

(see also subdivision under Donets Basin)
theory of the heat conductivity of soils and rocks as statistical systems. N. S. Ivanov. Mat. k ucheb. o merz. zem. zem. kory no. 8: 160-166 '62.

ROCKS, CARBONATE

(see also subdivision under Chatkal Range)
basis of the choice of equipment to work carbonate rock which is nonhomogeneous in strength. V. G. Bazylev, V. N. Sirenko. Sbor. trud. VNIInerud no. 2: 100-111 '62.

ROCKS, CRYSTALLINE AND METAMORPHIC see subdivision under Belozerska region (Zaporozh'ye Province); Ural Mountains

ROCKS, IGNEOUS

(see also subdivision under Carpathian Mountains; Caucasus; Chona Valley; Chu Depression; Irkutsk Province; Russian Platform; Siberian Platform; Transcarpathia)

Alkali modulus in ultrabasic rocks. I. V. Luchitskii, L. I. Krylenko. Dokl. AN SSSR 149 no. 4: 945-947 Ap '63.

Structural and genetic series of igneous formations. E. K. Ustiev. Dokl. AN SSSR 149 no. 2: 403-406 Mr '63.

ROCKS, SEDIMENTARY see subdivision under Fergana; Oka Valley; Russian Platform; Siberia; Yenisey Ridge

RODENT BAITS AND REPELLENTS

Using sponge baits with filling for catching small rodents [with summary in English]. N. N. Vorontsov. Zool. zhur. 42 no. 2: 306-307 '63.

RODENTIA

Electrophoretic investigation of the proteins of blood serum in mammals, mainly in rodents [with summary in English]. I. A. Denisova, S. I. Balakireva. Zool. zhur. 42 no. 2: 268-273 '63.

ROLLAND, ROMAIN, 1806-1944

Great friendship. N. Zhegalov. V mire knig no. 2: 23 F '63.

ROLLING (METALWORK)

Certain limiting parameters in rolling on sheet mills. E. T. Malykh. Izv. vys. ucheb. zav. i chern. met. 6 no. 2: 77-81 '63.

Effect of surface finish and the material of rolls on certain indices of hot rolling in vacuum. I. M. Pavlov and others. Izv. AN SSSR, Otd. tekhn. nauk. Met., i gor. delo no. 1: 14-17 Ja-F '63.

High precision rolling. L. D. Kosovskii. Metallurg 8 no. 4: 30-31 Ap '63.

Kalugin, V. F., and others. [Technology of ingot forging and the continuous rolling of large-size, commercially pure, VT10 titanium sheet. Over-all mechanization of the loading and unloading of ingots from holding furnaces] Tekhnologiya kovki silikov i nepreryvnoi prokatki krupnogatarnogo lita iz tekhnicheskoi chistogo titana VT10. Kompleksnaya mekhanizatsiia protsessov zagruzki i vygruzki zagotovok iz metodicheskoi pechi. [By] A. I. Ogurtsov. Moskva, Filial Vses. in-la nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-22/3)

Pressure distribution on rolls in thin sheet rolling with large reductions. V. S. Smirnov, A. K. Grigor'ev. Izv. AN SSSR, Otd. tekhn. nauk. Met., i gor. delo no. 1: 18-21 Ja-F '63.

[Production of lightweight sections] Proizvodstvo profilov. [By] S. V. Mukaov i dr. Sverdlovsk, Metallurgizdat, 1962. 215 p.

Rolling angles on continuous small-shape mills. V. A. Salskii, M. I. Kostuchenko. Metallurg 8 no. 3: 24-28 Mr '63.

ROLLING (METALWORK)—COSTS

Pandakov, V. I. [Potentials for reducing production costs in metal rolling] Rezervy snizheniia sebestoi-mosti produktsii v prokatnom proizvodstve. Moskva, Metallurgizdat, 1963. 110 p.

ROLLING (METALWORK)—SPEED

Selecting an efficient speed curve for rolling on reversing mills. N. I. Baimov. Izv. vys. ucheb. zav. i chern. met. 6 no. 2: 87-94 '63.

ROLLING MILLS

(see also subdivision under Chelyabinsk)

Bi-metal bearings for rolling mill spindles. E. P. Ponomarenko and others. Lit. proizv. no. 1: 33-34 Ja '63.

Determining average unit pressures in the investigation of plate mills. L. G. Chubrikov, D. I. Sufarov, M. I. Sirotnin. Izv. AN SSSR, Otd. tekhn. nauk. Met., i gor. delo no. 1: 22-25 Ja-F '63.

Determining the arm of a moment in rolling with smooth rolls. V. A. Nikolaev. Izv. vys. ucheb. zav. i chern. met. 6 no. 2: 82-86 '63.

Operation of continuous rod rolling mills in Russian plants. N. V. Litovchenko. Metallurg 8 no. 4: 36-38 Ap '63.

ROLLING MILLS—ACCOUNTING

Planning and accounting for rolling mill operations. M. M. Shapiro. Metallurg 8 no. 3: 31-32 Mr '63.

ROLLING MILLS—ELECTRIC DRIVING

Zelenov, A. B., V. N. Tertchnikov, and V. G. Gullakh. [Electric drives of rolling mills; choice of the power rating of electric motors and calculation of the parameters of amplidyne control networks] Elektropriivod mekhanizmov prokatnykh stannov; vybor mochnosti dvigatelei i raschet parametrov skhem elektromashin-nogo upravleniia. Pod obshchey red. A. B. Zelenova. Khar'kov, Metallurgizdat, 1963. 344 p.

ROLLING MILLS—EQUIPMENT AND SUPPLIES

In rolling mills across the land. I. U. I. Baranov and others. Metallurg 8 no. 3: 32-34 Mr '63.

ROLLING MILLS—VENTILATION

Improving labor conditions in rolling mills of the Sever-skiy Metallurgical Plant. P. Zudov. Metallurg 8 no. 3: 34-35 Mr '63.

ROMANACH Y GUILLEN, LEOPOLDO, 1862-1951

Leopoldo Romanach; 1862-1952. V. Polevol. Sov. Soluz no. 10: 41 '62.

ROME—BOOKSELLERS AND BOOKSELLING

Conversation at a book counter in Rome. Sov. knizh. tovg. 14 no. 3: 45-46 Mr '63.

ROME—HISTORY

The last Roman aggression in the Danube Valley as shown on a relief of the Marcus Aurelius Column. R. A. Elipashova-Struchalina. Uch. zap. MGPI no. 153: 45-60 '60.

Nemirovskii, A. I. [History of ancient Rome and Italy; origin of the class society and class state] Istoriia ranego Rima i Italii; vozniknoveniia klassovogo obshchestva i gosudarstva. Voronezh, Izd-vo Voronezh-skogo univ., 1962. 298 p.

Pactus' military expedition of 61-62 A. D. to Armenia and the defeat of the Roman Army by Vologases; history of the Armenians' struggle against Roman aggression. P. I. A. Kos'ko. Uch. zap. MGPI no. 153: 80-92 '60.

Roman monetary and their uprising during the rule of Emperor Aurelianus. O. A. Rotberg. Uch. zap. MGPI no. 153: 5-15 '60.

ROME—LAND TENURE

Servius Tullius and his proposed law on land tenure. R. E. Drozina. Uch. zap. MGPI no. 153: 16-30 '60.

ROME—MINTS

Roman monetary and their uprising during the rule of Emperor Aurelianus. O. A. Rotberg. Uch. zap. MGPI no. 153: 5-15 '60.

ROOFING

Waterproof corrugated paperboard roofing made from paper stock. N. P. Safonov. Bum. prom. 38 no. 3: 24-25 Mr '63.

ROOFING—TESTING

Coefficient of reflection and temperature conditions of some roofing materials. L. A. Kuzina. Prom. stroi. 40 [i. e. 41] no. 3: 46-50 Mr '63.

ROOFING, CONCRETE

Behavior of steel reinforcement in cellular concrete roofs of industrial buildings. E. S. Silaenkov, R. A. Zurin. Prom. stroi. 40 [i. e. 41] no. 4: 31-35 Ap '63.

Polinkov, E. V., and A. B. Doliaev. [Precast reinforced-concrete roofs for the major repair of apartment houses] Perekrytiia iz sbornogo zhelezobetona dlia kapital'nogo remonta zhilykh domov. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 101 p.

Prestressed channel slabs for roofs. A. Dubinskii. Stroi. i arkh. 11 no. 2: 14-15 F '63.

Use of composite roofs in industrial construction. A. Li-berman, V. Kozlov. Stroi. i arkh. 11 no. 2: 15-16 F '63.

ROOFS

(see also subdivision under Ural Mountains)

New systems of roofs for industrial buildings. N. I. Panarin, I. U. P. Gorozhanskii. Stroi. i arkh. Len. 24 no. 9: 19-21 S '62.

Roofs for agricultural buildings. Stroi. i arkh. Len. 24 no. 1: 37 Ja '62.

ROOFS—MAINTENANCE AND REPAIR

Akademika kommunalnogo khozaistva, Leningradskii nauchno-issledovatel'skii institut. [Album of standard plans (ATR-1-61) for renovating roofs under non-metallic roofing] Al'bom tipovykh reshenii po rekon-struktsei krysh pod nemetallicheskie krovli (ATR-1-61), Moskva, 1962. 74 p.

Organization of the production of "borulin." I. U. Verni-kovskii. Sel'. stroi. 17 no. 2: 16 F '63.

ROOFS, SHELL

Pavlov, A. P. [Reinforced-concrete shells (general concepts and stressed state)] Zhelezobetonnaya obolochka (obshchie poniatia i napriazhennoe sostoianie); stenogramma lektsii. Leningrad, 1961. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovymi opytami. Seriya: Stroitel'naya promyshlennost')

Use of long cylindrical precast prestressed concrete shells. B. V. Gorenstein and others. Prom. stroi. 40 [i. e. 41] no. 4: 13-17 Ap '63.

ROOFS, SUSPENSION

Design of cable-suspended roofs. L. Dmitriev. Stroi. i arkh. 11 no. 2: 16b F '63.

ROOT CROPS—HARVESTING

Rotary separator for root crop harvesting machines. D. V. Kocheneko, I. I. Voronov. Trakt. i sel'khoz. mash. 32 no. 12: 31-32 D '62.

Ways for developing universal root crop harvesting machines. G. D. Petrov. Trakt. i sel'khoz. mash. 33 no. 2: 21-24 F '63.

ROOT TUBERCLES

Nature of root nodules of *Alopecurus pratensis* L. [with summary in English]. A. I. Krasil'nikova-Krainova. Mikrobiologiya 31 no. 6: 1041-1047 N-D '62.

ROOTS (BOTANY)

Characteristics of the growth of roots in healthy and chlorotic apple trees [with summaries in English, German, and French]. N. S. Bogdanova. Vest. sel'khoz. nauki 7 no. 12: 87-91 D '62.

Effect of space arrangement on the development of the root system of Black Came grapevines. V. I. Babovich. Vsiykh sel'khoz. nauk 6 no. 2: 90-100 F '63.

Intensity of the growth of roots and biological characteristics of crops [with summaries in English, German, and French]. B. G. Demidenko. Vest. sel'khoz. nauki 7 no. 12: 107-110 D '63.

ROOTS OF EQUATIONS see Equations, Roots of

ROSTOCK, GERMANY—SHIPBUILDING

Ships leave Rostock. E. Satin. Smena 40 no. 4: 16 F '63.

ROSTOV—CHOLERA, ASIATIC—PREVENTIVE IN-OCULATION

They will disappear forever. Mark Popovskii. Znan. - stia 38 no. 2: 36-37 F '63.

ROSTOV PROVINCE—AGRICULTURAL MACHINERY—TESTING

Masters. Vincheslav Pal'man. Ogonek 41 no. 4: 10-13 Ja '63.

ROSTOV PROVINCE—AUDITING AND INSPECTION

Chief accountant and economic work. S. Litovko. Bukhg. uch. 20 no. 3: 8-12 Mr '63.

ROSTOV PROVINCE—CANNING INDUSTRY

Canning industry of the Rostov Province. I. M. Pukhal'skii. Kons. i ov. prom. 18 no. 4: 30-32 Ap '63.

ROSTOV PROVINCE—CONSTRUCTION INDUSTRY—ACCOUNTING

Settlement of accounts where centralized conveyance of materials is in effect. V. Ziborovskii. Bukhg. uch. 20 no. 2: 52-54 F '63.

ROSTOV PROVINCE—COOPERATIVE SOCIETIES

Cooperatives' strength is in mass participation. N. Cherkizheva. Sov. potreb. koop. 7 no. 4: 34-35 Ap '63.

ROSTOV PROVINCE—FURNITURE INDUSTRY

Machines designed by voluntary innovators. B. Lakatosh. NTO 5 no. 2: 43-44 F '63.

ROSTOV PROVINCE—INDUSTRIAL MANAGEMENT

Chief accountant and economic work. S. Litovko. Bukhg. uch. 20 no. 3: 8-12 Mr '63.

With the help of voluntary economists. M. Skomorokhov. NTO 5 no. 2: 20 F '63.

ROSTOV PROVINCE—STOCK AND STOCKBREEDING—AUDITING AND INSPECTION

The main direction. A. Iakovenko. Komsom. zhizn' no. 7: 11-15 Ap '63.

ROSTOV PROVINCE—TEACHING

Progressive schools and teachers of the Don Valley in their struggle to avoid repeating. M. V. Ivanenko. Sov. pedag. 27 no. 2: 10-20 F '63.

ROSTOV PROVINCE—TRANSPORTATION, AUTOMOTIVE—FREIGHT

Settlement of accounts where centralized conveyance of materials is in effect. V. Ziborovskii, Bukhg. uchët, 20 no. 2:52-54 F '63.

ROTATING AMPLIFIERS

Zelenov, A. B., V. N. Tertichnikov, and V. G. Gullakh. [Electric drives of rolling mills; choice of the power rating of electric motors and calculation of the parameters of amplidyne control networks] Elektropriivod mekhanizmov prokatnykh stanov; vybor moshchnosti dvigatelei i raschet parametrov skhem elektromashin-nogo upravleniia. Pod obshch. red. A. B. Zelenova. Khar'kov, Metallurgizdat, 1963. 344 p.

ROTATING BODIES

Correction to the article "Theory of critical velocities of rotating shafts." M. M. Zateplakin. Ukr. mat. zhur. 15 no. 1:116 '63.

ROTATING DISKS see Disks, Rotating

ROTIFERA see subdivision under Rybinsk Reservoir

ROTORS—MAINTENANCE AND REPAIR

Increasing the service life of exhaustor rotors. E. P. Lyskov, V. A. Droniaev. Metallurg 8 no. 4:11-12 Ap '63.

ROVNO PROVINCE—LIVER FLUKE

Epidemiology of fascioliasis in farm animals in Rovno Province and its control. A. I. Meremyns'kii. Visnyk sil'hosp.nauky 6 no. 2:87-90 F '63.

ROVNO PROVINCE—PARASITES—DOMESTIC ANIMALS

Epidemiology of fascioliasis in farm animals in Rovno Province and its control. A. I. Meremyns'kii. Visnyk sil'hosp.nauky 6 no. 2:87-90 F '63.

ROZDOL REGION—IRON ORES

Biogenic oxidation of sulfur of the Rozdol ore under laboratory conditions [with summary in English]. G. A. Sokolova, G. I. Karavisko. Mikrobiologiya 31 no. 6: 984-989 N-D '62.

RUBBER

On the theory of elastic deformations of rubber. G. M. Bartenev, T. N. Khasanovich. Uch. zap. Mosk. gor. ped. inst. 86:141-156 '60.

Ways of reducing the shrinkage of light-weight micro-porous sole rubbers. M. A. Al'ham, V. G. Diunina, A. P. Pisarenko. Izv. vys. ucheb. zav.; tekhn. leg. prom. no. 1:35-44 '63.

RUBBER—TESTING

Investigating the new properties of light-weight porous rubbers. T. P. Shvetsova, S. A. Pavlov, B. A. Safral. Report No. 1. Izv. vys. ucheb. zav.; tekhn. leg. prom. no. 1:45-52 '63.

RUBBER, SYNTHETIC

Vitrification temperature of rubbers as a function of the cooling rate. IU. A. Gorbakina. Uch. zap. Mosk. gor. ped. inst. 86:205-215 '60.

RUBBER GOODS

Manufacturing in technical units. P. Nikitin. Av. i kosm. 45 no. 3:83-84 Mr '63.

RUBBER INDUSTRY see subdivision under Kazan

RUBBER INDUSTRY—SAFETY MEASURES

Barashkov, M. I., A. S. Volodin, and I. G. Kulikov. [Safety measures in working with calendars and rubber mixers] Tekhnika bezopasnosti pri rabote na val'tsakh i rezhnomeshtelakh. Moskva, Goskhimizdat, 1962. 26 p. (Parnalika po tekhnike bezopasnosti)

RUBIDIUM COMPOUNDS

Liquidus of the ternary reciprocal system consisting of rubidium and strontium nitrates and nitrates. P. I. Protsenko, G. K. Shurumov. Zhur. neorg. khim. 7 no. 7: 1644-1647 JI '62.

RUBLEV, ANDREI, d. ca. 1430

Zavalishin, Viacheslav. [Andrei Rublev; studies of Russian icon painting] Andrei Rublev; iz otkryvov o rus-skoi ikonepisi. Munich, 1946. 12 p.

RUDNIKI (ZHIDACHOV DISTRICT)—RELIGION

My dear graduates! M. Rul'ova. Volov.ateist 3 no. 3: 34-35 Mr '63.

RUMANIA—BIBLIOGRAPHY

[New literature on Rumania] Nov. lit. po Rum. nos. 1-2 '63.

RUMANIA—COMMUNIST PARTY

A new work on the history of the Rumanian Communist Party. A. A. Laz'kova. Nov. i noveish. ist. no. 2:163-164 '63.

RUMANIA—DEER

Horns of Carpathian deer. Ukraina no. 2:30-31 Ja '63.

RUMANIA—ECONOMIC CONDITIONS

Achievements. Boris Burkov. Ogonek 40 no. 50:10-11 D '62.

New era of Rumania. IU. Lazushin. Ogonek 40 no. 52: 3 D '62.

The victory of socialism in the Rumanian People's Republic [with summary in English, p. 188]. E. D. Karpeshchenko. Nov. i noveish. ist. no. 2:75-82 '63.

RUMANIA—POLITICAL PRISONERS

Novicov, Mihai. [The end of Doftana; the story of a political prisoner. Translated from the Rumanian] Konets Doftany; rasskaz byvshego politzakliuchennogo. Moskva, Gospolitizdat, 1963. 149 p.

RUMANIA—RELATIONS (GENERAL) WITH RUSSIA

Together. Mihai Mirza. Ogonek 41 no. 6:8 F '63.

RUMEN

Digestion in the rumen of cows and utilization of feed nitrogen in various types of protein nutrition. N. V. Kurlov, R. T. Alrapetova. Vest. sel'khoz. nauk 7 no. 12:51-54 D '62.

Intensification of the decarboxylation of oxalates in the rumen of ruminants in vitro [with summaries in English, German, and French]. V. A. Maksakov. Vest. sel'khoz. nauk 7 no. 12:55-57 D '62.

RUNNING

[Running; a manual on track athletics for teachers and trainers in schools] Beg; posobie po legkoi atletike dlia uchitelei i trenerov shkol. [By] L. A. Kostygova, D. G. Mirzaev, V. V. Ukhov. Leningrad, Uchpedgiz, 1962. 130 p.

RUNOFF see subdivision under Ural Mountain region

RURAL ELECTRIFICATION

Rural electrification should be based on a reliable supply of electric power. G. P. Kulefeev. Energetik 11 no. 2: 1-5 F '63.

Use of electronic computers in calculating rural electric power distribution networks. M. S. Levin. Nauch. trudy VIESKH 11:185-204 '62.

RURAL ELECTRIFICATION—HANDBOOKS, MANUALS, ETC.

[Handbook for rural electricians] Spravochnik sel'skogo elektronnetera. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1962. 151 p.

RURAL HOSPITALS see Hospitals, Rural

RURAL LIBRARIES

(see also subdivision under Chita Province)

Catalogs and rural libraries. N. Podkatilina. Bibliotekar' no. 3:59 Mr '63.

A drastic change is necessary. N. Gavrilov. Bibliotekar' no. 3:12-15 Mr '63.

Important unit of methodological direction. Z. Starodumova. Bibliotekar' no. 3:33-34 Mr '63.

Organize the sale of books in rural libraries. A. Gonorov. Sov. knizh. torg. 14 no. 3:20-23 Mr '63.

Tireless initiator. L. Kozlov. Bibliotekar' no. 3:54-55 Mr '63.

RURAL SCHOOLS

Akhunov studied here. Uzbekiston 22 no. 2:21 F '63.

RUSSIA

About everything. Sov. Soluz no. 10:50-51 '62.

Around us. A. Grigor'ev and others. Ogonek 41 no. 11: 12-13 Mr '63.

Around us. Ogonek 40 no. 20:14 My '62.

Fortieth anniversary of the U. S. S. R. D. Oznobishin. Sov. Soluz no. 12:26 '62.

News in pictures. Ogonek 41 no. 3:2-3 Ja '63.

Politics, events, contacts. Sov. Soluz no. 1:2-3 '63.

Politics, events, contacts. Sov. Soluz no. 2:2-4 '63.

This is what our week was like. N. Gavrilov and others. Ogonek 41 no. 4:4-5 Ja '63.

RUSSIA—ADMINISTRATIVE AND POLITICAL DIVISIONS

"Administrative and territorial structure of the U. S. S. R." by R. S. Pavlovskii, M. A. Shafir. Reviewed by V. A. Rzhavskii. Vest. LGU 18 no. 6:143-146 '63.

RUSSIA—AIR FORCE

Military calendar. Voen. znan. 39 no. 2:46 F '63.

RUSSIA—ARMED FORCES

Army of heroism and skill. V. I. Chukov. Voen. znan. 39 no. 2:1-2 F '63.

Guarding peaceful labor. Uzbekiston 22 no. 2:3 F '63.

RUSSIA—ARMED FORCES—LEAVES AND FURLOUNDS

The nation gives encouragement. A. Pavlov. Voen. znan. 39 no. 2:7-8 F '63.

RUSSIA—ARMED FORCES—MEDALS, BADGES, DECORATIONS, ETC.

The nation gives encouragement. A. Pavlov. Voen. znan. 39 no. 2:7-8 F '63.

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

Guarding the peace; daily work of the members of the Communist Youth League in the Armed Forces. V. Kharinov. Komsom. zhizn' no. 5:19-22 Mr '63.

RUSSIA—ARMED FORCES—SPORTS

Strength, courage and vigor. M. Pavlov. Zdorov'e 9 no. 2:8 F '63.

RUSSIA—ARMY

Steel Division. G. Makarov. Ogonek 41 no. 6:8 F '63.

RUSSIA—ARMY—MEDALS, BADGES, DECORATIONS, ETC.

Insignia of Russian valor. E. Gribanov. Sov. Kras. krest 12 no. 5:6 S-O '62.

RUSSIA—ARMY—MILITARY LIFE

Not far from the terrible rockets. E. Turlov. Kul't. - pros. rab. 24 no. 1:32-33 Ja '63.

Perednii, I. N., and M. N. Rabezhnikov. [We are soldiers doing construction work] My - voennye stroiteli. Moskva, Voenizdat, 1962. 48 p. (Olichniki ucheby - o svoem opyte)

Recruits. Pavlo Khodchenko. Sov. Ukr. 12 no. 12:50-157 D '62.

RUSSIA—ARMY—MINE COMPANIES

Sentinels of life. I. Pozhidayev. Vokrug sveta no. 2:2-5 F '63.

RUSSIA—COMMERCE

Experience paid off. A. Markov. Sov. torg. 36 no. 3: 37-38 Mr '63.

Important measures for the further improvement of trade administration. Sov. torg. 36 no. 3:1-3 Mr '63.

Syrov, V. G. [Public control over the operations of trade organizations] Obshchestvennyi kontrol' za delatel'nostiu torgovykh organizatsii. [Moskva] Profizdat, 1961. 75 p. (Biblioteka profsoiuznogo aktivista, no. 2)

Vasenin, N. I. [Wages for the workers of state commerce] Opita truda rabotnikov gosudarstvennoi torgovli. Moskva, Gosstorgizdat, 1962. 68 p.

RUSSIA—COMMERCE—CEYLON

Moscow-Colombo; trade on the upgrade. V. Spandar'ian. Sov. Soluz no. 2:52 '63.

RUSSIA—COMMERCE—FINLAND

Great possibilities of Soviet-Finnish trade. S. A. Borisov and others. Sov. Soluz no. 4:5 '63.

RUSSIA—COMMERCE—GERMANY, WEST

Pipes and politics. Nov. vrem. 20 no. 14:2-3 Ap '63.

RUSSIA—COMMERCE—GREAT BRITAIN

Soviet-British trade; an interview with John M. Meyer. Nov. vrem. 20 no. 16:18 Ap '63.

RUSSIA—COMMERCE—JAPAN

Green light for trade. N. S. Padochev. Sov. Soluz no. 10: 46 '62.

RUSSIA—COMMERCE—SWEDEN

Chamberlain Dickson and international trade. D. Erstov. Nov. vrem. 20 no. 15:10 Ap '63.

RUSSIA—COMMERCE—TURKEY

Development of Soviet-Turkish trade. V. Andreev. Nov. vrem. 20 no. 14:25 Ap '63.

RUSSIA—COMMERCIAL TREATIES

Treaty of 1514 between Russia and the Hanseatic League. N. A. Kazakova. Trudy LOI AN SSSR no. 5:557-580 '63.

RUSSIA—DEFENSES

Weapons of the defenders of the homeland. N. Afanas'eva. Voen. znan. 39 no. 2:16-17 F '63.

RUSSIA—ECONOMIC CONDITIONS

Kharlamov, A. I. [Statistical indices of the rates of economic development] Statisticheskie pokazateli tempov ekonomicheskogo razvitiia. Moskva, Gosstatizdat, 1962. 44 p.

One year later. Sov. Soluz no. 10:5-9 '62.

Our course is communism. Zhil. - kon. khoz. 13 no. 1: 1-2 '63.

Party struggle for the rapid development of the national economy and for completing the building of socialism, 1953-1958; on the study of the 17th subject of the "History of the CPSU" course. V. M. Grishin. Vop. ist. KPSS 7 no. 3:83-87 Mr '63.

Samborski, G. I., and M. I. Krasil'nikova, comps.

[Twenty years in figures: from socialist economy to communism; brief manual] Dvadesatletie v tsifrakh; ot sotsialisticheskoi ekonomiki k kommunisticheskoi; kratkii spravochnik. Moskva, Ekonomizdat, 1963. 119 p.

Saushkin, IU. G. [Lectures on the economic zoning of the U. S. S. R.] Lektsii po ekonomicheskomu raionirovaniu SSSR; stenogramma. Moskva, Mosk. gos. univ. im. M. V. Lomonosova, 1960. 234 p.

(LEN)

Triumph of Leninist principles. Izv. vys. ucheb. zav.; strol. i arkhiv. 6 no. 1:2a-2d '63.

RUSSIA—ECONOMIC POLICY

Aganbegian, A., ed. [Principles for working out an interbranch balance] Osnovy razrabotki mezhotraslevogo balansa; uchebnoe posobie. [By] G. I. Grebenskiy dr. Moskva, Ekonomizdat, 1962. 278 p.

RUSSIA — ECONOMIC POLICY (Continued)

- Communism is created by the work of millions. Learn to work and live the communist way. N. Kostin. Polit. samobor. 7 no.2:104-110 F '63.
- [Creating the material and technical foundation of communism; visual aid] Stvorofnia material'no-tekhnichnoi bazy komunizmu v SSSR; nauchnyi posibnyk. [Kyiv, Derzhpolitydyav URSR, 1962] 30 p.
- "Criticism of bourgeois theories on the Soviet planned economy" V. G. Smolianskii. Reviewed by A. Alekseev. V. Moskalenko. Vop. ekon. no. 2:105-107 F '63.
- Developing Lenin's principles of the organization of national economic planning. Plan. khoz. 40 no. 4:1-10 Ap '63.
- Direction, communism and peace. Sov. Soluz no. 12: 1-2 '62.
- The fifth year steps in. Rabotnitsa no. 1:3-4 Ja '63.
- Figurnov, S. P. [The building of communism and the growth of the people's prosperity] Stroitel'stvo kommunizma i rost blagosostoiannia naroda. Moskva, Sotsekgiz, 1962. 204 p.
- An important stage in the fulfillment of the resolutions of the 22nd Congress of the CPSU. Komm. Bel. 37 no. 1: 3-5 Ja '63.
- Improving the standards of national economic planning. M. Bor. Vop. ekon. no. 3:3-14 Mr '63.
- Improving the structure of industrial production and the planning of capital investments. V. Bogachev. Vop. ekon. no. 2:16-20 F '63.
- Industrial management is the main thing. Kul't., -pros, rab. 24 no. 1:1-2 Ja '63.
- It can and must be done. Sov. Soluz no. 2:1, 4 '63.
- Khrushchev, N. S. [Building of communism in the U.S.S.R. and the development of agriculture] Stroitel'stvo kommunizma v SSSR i razvitiie sel'skogo khoziaistva. Moskva, Gospolitizdat, Vol. 5, [February 1961 - October 1961] Fevral' 1961 goda - oktiabr' 1961 goda, 1963. 462 p.
- Vol. 6, [October 1961 - March 1962] Oktibr' 1961 goda - mart 1962 goda, 1963. 476 p.
- Vol. 7, [March 1962 - March 1963] Mart 1962 goda - mart 1963 goda, 1963. 494 p.
- Let's show wisdom and live in peace. Sov. Soluz no. 10: 1 '62.
- The morning of a year. Elena Kononenko. Rabotnitsa no. 1:1 Ja '63.
- The most interesting policy. N. Osipenko. Nov. vrem. 20 no. 16:5-6 Ap '63.
- New objectives call for new achievements (from the seventh plenum of the All-Union Council of Scientific Technological Societies). NTO 5 no. 2:2-4 F '63.
- On the carrying out of the decisions of the November Plenum of the Central Committee of the CPSU and the December Plenum of the Central Committee of the Communist Party of the Ukraine. Ekon. Rad. Ukr. no. 1:3-10 Ja-F '63.
- Planning and economic conference of the State Planning Committee of the R.S.F.S.R. M. Glazunov. Plan. khoz. 40 no. 4:93-96 Ap '63.
- Podzashnik, V. M. [Mankind's advance to communism] Put' chelovechestva k kommunizmu. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 71 p.
- [Some problems of the new program of the CPSU] O nekotorykh voprosakh novoi programmy KPSS. Moskva, Gospolitizdat, 1962. 214 p.
- Spring, peace, creativeness. Sov. Soluz no. 4:3-4 '63.
- Study and planning of national economic proportions using the method of interbranch balance. IU. Iaromenko. Plan. khoz. 40 no. 4:34-41 Ap '63.
- That's what the great Lenin taught. I. Sergeev. Komm. Bel. 37 no. 1:19-22 Ja '63.
- Vigor, wisdom and clarity of purpose. Sov. Soluz no. 1: 1, 4 '63.
- Volokuev, P. V. [Economic policy of the Provisional Government] Ekonomicheskaya politika Vremennogo pravitel'stva. Moskva, Akad. nauk SSSR, 1962. 482 p.
- (MII)
- Vyshnevetskiy, I. A. [The main economic tasks of the U.S.S.R.] Glavnye ekonomicheskie zadannia SSSR. Kyiv, Derzhpolitydyav URSR, 1962. 50 p.
- ## RUSSIA—EMIGRATION AND IMMIGRATION
- From Turkey to their homeland after two and a half centuries. IU. Kotler. Sov. Soluz no. 12:27-29 '62.
- Second homeland. IU. L'vov. Sov. Soluz no. 1:37-39 '63.
- ## RUSSIA—FOREIGN ECONOMIC RELATIONS—BULGARIA
- Our strength is in unity. V. Nazarov. Otv. na vop. trud. no. 12:16-22 D '62.
- ## RUSSIA—FOREIGN RELATIONS
- "An alliance of the Hapsburgs and Romanovs" [in Hungarian] by E. Andics. Reviewed by M. F. Lebovich. Nov. i noveish. ist. no. 2:154-156 '63.
- It can and must be done. Sov. Soluz no. 2:1, 4 '63.
- Leninist principles of interstate relations. Sh. Sanakoev. Mezhdunar. zhizn' 10 no. 4:3-11 Ap '63.
- "My Spanish notebooks" and "Who helped Hitler? Reminiscences of a Soviet ambassador" by I. M. Maitskii. Reviewed by A. L. Narochitskii. Nov. i noveish. ist. no. 2:150-152 '63.
- An old and futile demand. E. A. Karovin. Mezhdunar. zhizn' 10 no. 4:130-132 Ap '63.
- Olenev, S. [International recognition of the U.S.S.R.] Mezhdunarodnoe priznanie SSSR. Moskva, Sotsekgiz, 1962. 98 p.
- Russia (1923- U.S.S.R.) Komissia po izdanii diplomaticheskikh dokumentov. [Documents on the foreign policy of the U.S.S.R.] Dokumenty vneshnei politiki SSSR. Moskva, Gospolitizdat, Vol. 7, [January 1-December 31, 1924] i Ianvaria - 31 dekabria 1924 g. 1963. 756 p.
- Vigor, wisdom and clarity of purpose. Sov. Soluz no. 1: 1, 4 '63.
- ## RUSSIA—FOREIGN RELATIONS—AUSTRIA
- Beletskii, V. N. [The Soviet Union and Austria; the Soviet Union's struggle for the restoration of an independent democratic Austria and the establishment of friendly relations with her, 1938-1960] Sovetskii Soluz i Avstriia; bor'ba Sovetskogo Soluza za vozrozhdenie nezavisimoi demokraticheskoi Avstrii i ustanovlenie s nei družestvennykh otnoshenii, 1938-1960 gg. Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 341 p.
- ## RUSSIA—FOREIGN RELATIONS—FINLAND
- The "Paasikivi policy"... is the achievement of the Finnish people. IA. Il'inski. Mir. ekon. i mezhdunar. otn. no. 3:52-62 '63.
- Soviet-Finnish holiday. Nov. vrem. 20 no. 15:3 Ap '63.
- ## RUSSIA—FOREIGN RELATIONS—FRANCE
- Report on A. A. Matveev's diplomatic mission to France, 1705-1706. I. S. Sharkova. Trudy LOII AN SSSR no. 5:627-639 '63.
- ## RUSSIA—FOREIGN RELATIONS—GERMANY, EAST
- Berlin will not forget these days. Siegfried Maisgeier. Ogonek 41 no. 5:2-3 Ja '63.
- ## RUSSIA—FOREIGN RELATIONS—JAPAN
- "Russo-Japanese contacts from 1697 to 1875" by E. IA. Fainberg. Reviewed by A. I. Studinchenko. Vop. ist. 38 no. 3:131-132 Mr '63.
- ## RUSSIA—FOREIGN RELATIONS—UNITED STATES
- My great-grandfather and Karl Marx. Ann Eaton. Nov. vrem. 20 no. 16:29-31 Ap '63.
- When peace hangs on a thread... Boris Strel'nikov. Ogonek 40 no. 47:25-27 N '62.
- The world remembers it. G. Gurov. Ogonek 40 no. 52: 4-5 D '62.
- ## RUSSIA—HISTORIOGRAPHY
- The All-Union Conference of Soviet Historians. Nov. i noveish. ist. no. 2:3-43 '63.
- From the editor. Trudy LOII AN SSSR no. 5:4-7 '63.
- Some results of scholarly research in the field of the history of industrial plants and factories. L. S. Rogachevskaya. Vop. ist. 38 no. 3:110-119 Mr '63.
- Subject matter and content of the "Historiography of the U.S.S.R." course in universities and colleges (with summary in English, pp. 219-220). L. A. Derbov, N. P. Kalistratov, A. G. Bozpalova. Vop. ist. 38 no. 3:22-36 Mr '63.
- Toward new achievements of Soviet historical science. Nov. i noveish. ist. no. 2:44-49 '63.
- ## RUSSIA—HISTORY
- "Brief history of the Russian labor movement, from 1861 to 1917" by V. E. Bystrykh and others. Reviewed by A. V. Krasov, L. V. Shirikov. Vop. ist. KPSS 7 no. 3:115-118 Mr '63.
- Brief notes. Vop. ist. 38 no. 3:168-169 Mr '63.
- "Russia in the 16th century" by M. N. Tikhomirov. Reviewed by N. E. Nosov. Vop. ist. 38 no. 3:140-145 Mr '63.
- "Sixty-five years in the ranks of Lenin's party" by F. N. Petrov. Reviewed by S. Gopner. Nauka i zhizn' 29 no. 12:89 D '62.
- ## RUSSIA—HISTORY—SOURCES
- Beliavskii, M. T., and N. I. Pavlenko, comps. [Reader on the history of the U.S.S.R., the 18th century] Khrestomatia po istorii SSSR, XVIII v. Pod red. L. G. Beskrovnoy i B. D. Kafengauza. Moskva, Sotsekgiz, 1963. 766 p.
- Cadastral records of the landed estates of the Troitse-Sergieva Monastery, 1557-1558. IU. G. Alekseev. Trudy LOII AN SSSR no. 5:500-541 '63.
- Chronicle of 1518. K. N. Serbina. Trudy LOII AN SSSR no. 5:587-608 '63.
- Critical evaluation of the reminiscences of S. IU. Vitte; as related to his sociopolitical articles published from 1907 to 1915. B. V. Anan'ich, R. Sh. Ganelin. Trudy LOII AN SSSR no. 5:298-374 '63.
- Documentary materials relating to the program of "Narodnaya volia," 1870-1882. S. S. Volk. Trudy LOII AN SSSR no. 5:375-473 '63.
- First decrees of the Council of People's Commissars. M. P. Iroshnikov. Trudy LOII AN SSSR no. 5:108-142 '63.
- From the editor. Trudy LOII AN SSSR no. 5:4-7 '63.
- Information on Russia given by the Russian ambassador to Milan, 1486. M. A. Gukovskii. Trudy LOII AN SSSR no. 5:648-655 '63.
- Labor contracts of the first quarter of the 18th century. L. N. Semenova. Trudy LOII AN SSSR no. 5:474-499 '63.
- New sources for the history of the reign of Peter I and old prejudices. A. N. Sakharov. Vop. ist. 38 no. 3: 193-194 Mr '63.
- Statistical classification of the records of 16th century deeds. V. M. Panelakh. Trudy LOII AN SSSR no. 5: 542-556 '63.
- Statutes of the Labor Red Guards of Petrograd. V. I. Startsev. Trudy LOII AN SSSR no. 5:176-221 '63.
- Strel'nikov, V. I. [Studying the sources of the history of the U.S.S.R. in the period of imperialism, from the end of the 19th century to 1917] Istochnikovedenie istorii SSSR; period imperializma, konets XIX v. -1917 g. Moskva, Sotsekgiz, 1962. 602 p.
- ## RUSSIA—HISTORY, MILITARY
- Livchak, B. F. [Home Guard in the Russian Armed Forces, 1806-1856] Narodnoe opolchenie v vooruzhennykh silakh Rossii, 1806-1856 gg. Sverdlovsk, 1961. 276 p. (Sverdlovsk. Iuridicheskii institut. Uchenye trudy, vol. 4)
- ## RUSSIA—INDUSTRIES
- Gorbunov, E. P. [Socialist industrialization of the U.S.S.R. and its bourgeois critics] Sotsialisticheskaya industrializatsia SSSR i ee burzhuannye kritiki. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1962. 129 p.
- Rozentfel'd, Sh. L. [Determining the levels of regional industrial development] Opredelenie urovnei razvitiia promyshlennosti v raionakh. Moskva, Ekonomizdat, 1963. 139 p.
- Some results of scholarly research in the field of the history of industrial plants and factories. L. S. Rogachevskaya. Vop. ist. 38 no. 3:110-119 Mr '63.
- ## RUSSIA—INTELLECTUAL LIFE
- "Learned group" and the Enlightenment of the 18th century [with summary in English, p. 220]. P. P. Epifanov. Vop. ist. 38 no. 3:137-53 Mr '63.
- ## RUSSIA—INVASION OF 1812
- Abalikhin, B. S. [The Ukrainian people in the Patriotic War of 1812] Ukrainskiy narod u vitchyznians'kii voini 1812 r. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 81 p.
- (CST-H)
- Kasymenko, O. K. [The patriotic war of 1812 was a striking expression of national patriotism] Vitchyznianska voina 1812 roku - iaskravyy vyay narodnoho patriotyzmu. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 31 p.
- "The Patriotic War of 1812" by L. G. Beskrovnyi. Reviewed by V. I. Vialikov. Vop. ist. 38 no. 3:138-139 Mr '63.
- ## RUSSIA—LITERATURES
- Lomidze, G. I. [Literary criticism] Literaturno-kriticheskie stat'i. Tbilisi, Izd-vo SP Gruzii "Zaria Vostoka," 1962. 276 p.
- ## RUSSIA—NAVY
- Guarding the sea borders of our country. V. A. Fokin. Voen. znani. 39 no. 2:5-6 F '63.
- ## RUSSIA—NAVY—HISTORY
- Story of a legendary frigate. A. Rogov. Vokrug sveta no. 3:42-43 Mr '63.
- ## RUSSIA—POLITICS AND GOVERNMENT
- Administrative and legal regulation as related to the extended participation of the Soviet public in the work of governmental agencies and business enterprises. V. V. Kravchenko. Sov. gos. i pravo 33 no. 4:116-122 Ap '63.
- "Administrative and territorial structure of the U.S.S.R." by R. S. Pavlovskii, M. A. Shafir. Reviewed by V. A. Rzhavskii. Vest. LGU 18 no. 5:143-146 '63.
- Chronicle of recent events. IU. P. Mironenko. Mat. i soob. Issl. otd. Inat. po izuch. SSSR no. 40:66-76 D '62.
- Direction, communism and peace. Sov. Soluz no. 12: 1-2 '62.
- Effective consolidation of the Union of Soviet Socialist Republics and the development of the state system of separate Soviet nations in the light of the historical decisions of the 22d Congress of the CPSU. V. I. Kozlov. Sov. gos. i pravo 33 no. 4:40-48 Ap '63.
- [Gazette of the Supreme Soviet of the R.S.F.S.R.] Ved. Verkh. Sov. RSFSR 7 nos. 13-14 Ap '63.
- [Gazette of the Supreme Soviet of the U.S.S.R.] Ved. Verkh. Sov. SSSR 26 nos. 17-18 Ap-May '63.
- Khrushchev, N. S. [Address at the meeting of the voters of the Kalinin municipal electoral district of Moscow, February 27, 1963] Rech' na sobranii izbiratelei Kalinskogo izbiratel'nogo okruga goroda Moskvy, 27 fevralia 1963 goda. Moskva, Gospolitizdat, 1963. 30 p.
- Koeltayn, A. P. [The national state] Gosudarstvo vsogo naroda. Moskva, Izd-vo "Sovetskaya Rossiia," 1963. 177 p.
- Kotok, V. F. [The Soviet representative system] Sovetskaya predstavitel'naya sistema. Moskva, Gosizdat, 1963. 81 p.

- RUSSIA — POLITICS AND GOVERNMENT (Continued)**
Kozlov, I. M. [Leninist principle of the participation of workers in the work of Soviet governmental organization] *Leninski printsep uchastia trudiaschchikh v sovetskom gosudarstvennom upravlenii*. [Moskva] Izd-vo Mosk. univ., 1962. 273 p.
 Lenin on control. *V mire knig* 3 no. 4:1 Ap '63.
 "Leninist style" in the work of the Soviet state apparatus. P. T. Vasilenkov. *Sov. gos. i pravo* 33 no. 4:29-30 Ap '63.
Mitskevich, A. V. [Increased role of workers' mass organizations and the transition to communist self-government] *Povyshenie roli massovykh organizatsii trudiaschchikh v perekhod k kommunisticheskomu samoupravleniu*. Moskva, Gosizdat, 1963. 60 p.
 [Some problems of the new program of the CPSU] *O nekotorykh voprosakh novoi programmy KPSS*. Moskva, Gospolitizdat, 1962. 214 p.
 Soviet socialist democracy. *Polit. samooor.* 7 no. 2:111-113 F '63.
 Triumph of Lenin's ideas in the constitutional theory and practical development of the Soviet state. *Sov. gos. i pravo* 33 no. 4:3-16 Ap '63.
 A valuable contribution to the theory of scientific communism. A. M. Kovalev, A. P. Bodrillin, Nauch. dokl. vys. shkoly, filos. nauk 6 no. 1:3-12 '63.
- RUSSIA—POPULATION**
 Population of the U. S. S. R.; on the publication of the results of the 1959 all-Union population census in 16 volumes. *Vest. stat.* no. 3:3-13 '63.
- RUSSIA—RELATIONS (GENERAL) WITH AUSTRALIA**
 Australia-U. S. S. R. K. McKeown. *Kul't. i zhizn'* 6 no. 9:40-41 '62.
- RUSSIA—RELATIONS (GENERAL) WITH AUSTRIA**
 All this is for peace. Martin Gruenberg. *Kul't. i zhizn'* 6 no. 12:33-35 '62.
- RUSSIA—RELATIONS (GENERAL) WITH CUBA**
 While the "TU-114" was at the Jose Marti Airport. N. Denisov. *Sov. pech.* no. 2:52-55 F '63.
- RUSSIA—RELATIONS (GENERAL) WITH CZECH-OSLOVAKIA**
 Visiting Czechoslovakian construction workers. D. I. Ageman. *NTO* 5 no. 2:57-59 F '63.
- RUSSIA—RELATIONS (GENERAL) WITH EAST GERMANY**
 The visit has been extremely useful. *NTO* 5 no. 2:55-56 F '63.
 Visiting our German friends. V. N. Trutnev. *Mashinostroitel'* no. 2:40-42 F '63.
- RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES**
 Meetings, discussions and visits. *Kul't. i zhizn'* 6 no. 9:46-47 '62.
 Our visitors. *Sov. Soluz* no. 1:55 '63.
 Our visitors. *Sov. Soluz* no. 2:56 '63.
 Visits, meetings and talks. *Kul't. i zhizn'* 6 no. 12:42-44 '62.
- RUSSIA—RELATIONS (GENERAL) WITH FRANCE**
 Soviet-French cultural exchanges. S. K. Romanovskii. *Sov. Soluz* no. 2:16-17 '63.
 "We liked you." V. N. Bakastov. *Izobr. i rats.* no. 1:34 '63.
- RUSSIA—RELATIONS (GENERAL) WITH HUNGARY**
 Lerov, L. M. [You are acquainted with them... sketches] *Vy s nimi znakomy...*; ocherki. Moskva, Izd-vo "Pravda", 1963. 46 p. (Biblioteka "Ogonek", no. 8)
- RUSSIA—RELATIONS (GENERAL) WITH INDIA**
 Letters from India. Kal'iani Kumaramangalam, Ramesh Vallia. *Kul't. i zhizn'* 6 no. 12:36-37 '62.
- RUSSIA—RELATIONS (GENERAL) WITH JAPAN**
 Land of energy, optimism, and justice; say Japanese visitors. *Ogonek* 41 no. 12:6-7 Mr '63.
- RUSSIA—RELATIONS (GENERAL) WITH MEXICO**
 "Your hearts are open to your guests." E. Ivanov. *Sov. Kraz, krest* 12 no. 5:17-18 S-O '62.
- RUSSIA—RELATIONS (GENERAL) WITH NETHERLANDS**
 "Netherlands-U. S. S. R." Irma Volevich. *Kul't. i zhizn'* 6 no. 12:40 '62.
- RUSSIA—RELATIONS (GENERAL) WITH RUMANIA**
 Together. Mihai Mirza. *Ogonek* 41 no. 6:8 F '63.
- RUSSIA—RELATIONS (GENERAL) WITH THE UNITED STATES**
 Let's cooperate in the name of progress. *Sov. Soluz* no. 10:54-55 '62.
- RUSSIA—RELIGION**
 The most important events in the life of churches and religious groups in the U. S. S. R. N. A. Mat. i soob. iasf. otd. Inst. po izuch. SSSR no. 40:59-65 D '62.
- RUSSIA—REVOLUTION, 1917-1921**
 [see also subdivision under Kalmyk A. S. S. R.; Latvia; Leningrad; Lithuania; Omsk Province; Russia, Northwestern; Turkmenistan; Ukraine; White Russia]
 Commissar of the Kotovskii Brigade. Ilia Vylezhzhanin. *Ukraina* no. 2:10-11 Ja '63.
 Documents of people's courts, 1917-1922. I. U. S. Tokarev. *Trudy LOI AN SSSR* no. 5:143-175 '63.
 [Eternal and unshaken friendship] *Druzha velikaia, vechnaya*. Moskva, Gospolitizdat, 1962. 253 p.
 First decrees of the Council of People's Commissars. M. P. Iroshnikov. *Trudy LOI AN SSSR* no. 5:108-142 '63.
 Glorious anniversary. *Teor. i prak. fiz. kul't.* 28 no. 2:1-5 F '63.
 An interesting document showing how Russian workers struggled for the uninterrupted work of industrial enterprises on the eve of the October Revolution. L. B. Genkin. *Vop. ist.* 38 no. 3:214-217 Mr '63.
Lenin, V. I. [Complete works] *Polnoe sobranie sochinenii*. Izd. 5. Moskva, Gospolitizdat, Vol. 38. [March-June, 1919] Mart - ijun' 1919. 1963. 579 p.
 [Militant relay race of generations] *Doevala estafeta pokolenii; ocherki i dokumenty o geroideskikh podvigakh komsomol'tsev Armii i Floty*. Moskva, Voenizdat, 1963. 551 p.
 Olenov, I. E. [The pages of eternal glory] *Storinky nemerkuchoi slavy*. Kyiv, Molod', 1962. 105 p.
 Sovokhn, A. M. [Course of the party toward the peaceful development of the revolution in 1917] *Ustanovka partii na mirnoe razvitiye revoliutsii v 1917 godu*. Moskva, Gospolitizdat, 1962. 37 p. (Konsul'tatsii po istorii KPSS)
 [Triumphal march of the Soviet regime] *Triumfal'noe shestvie Sovetskoi vlasti*. Pod red. D. A. Chugaevn. i dr. Moskva, Izd-vo Akad. nauk SSSR, Pt. 1. 1963. 557 p. (Velikaya Oktabr'skaia sotsialisticheskaya revoliutsiia; dokumenty i materialy)
- RUSSIA—REVOLUTION, 1917-1921—CAMPAIGNS**
 Kogarev, S. P., A. N. Korolev, and S. G. Pichugov. [The Special Brigade; a historical sketch] *Osobaiia brigada; istoricheski ocherk*. Moskva, Voenizdat, 1962. 242 p.
- RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES**
 Unforgettable. K. Cherevov. *Ogonek* 41 no. 1:2-3 Ja '63.
- RUSSIA—REVOLUTION OF 1905**
 [see also subdivision under White Russia]
 Bolshevik leaflets distributed to Russian soldiers in 1905. V. A. Petrov. *Trudy LOI AN SSSR* no. 5:222-297 '63.
 Burmistrova, T. I. U. [The nationalities policy of the Bolshevik Party during the first Russian revolution, 1905-1907] *Natsional'naiia politika partii bol'shevikov v pervoi russkoi revoliutsii, 1905-1907 gody*. [Leningrad] Izd-vo Leningr. univ., 1962. 242 p.
- RUSSIA—SOCIAL CONDITIONS**
 If the Seine River ran into the Azov Sea. Vladimir But. *Smena* 39 no. 24:14-15 D '62.
 My contemporary, Soviet man. James Aldridge. *Ogonek* 40 no. 46:0 N '62.
- RUSSIA—SOCIAL LIFE AND CUSTOMS**
 Obshchestvo po rasprostraneniui politicheskikh i nauchnykh znaniu RSFSR. Leningradskoe otdelenie. [Promoting the communist way of life] *Za kommunisticheskiy byt*. Leningrad, 1963. 326 p.
- RUSSIA—UNDERGROUND LITERATURE**
 Bolshevik leaflets distributed to Russian soldiers in 1905. V. A. Petrov. *Trudy LOI AN SSSR* no. 5:222-297 '63.
- RUSSIA, NORTHERN—BIRDS—BEHAVIOR**
 One day's activity of birds during their nesting period beyond the Arctic Circle [with summary in English]. V. I. Kasatkina. *Zool. zhur.* 42 no. 2:303-308 '63.
- RUSSIA, NORTHERN—SOIL MECHANICS**
 Construction of buildings on fill beyond the Arctic Circle. L. P. Markizov. *Osn. i fund. i mekh. grun.* 5 no. 2:24-27 '63.
- RUSSIA, NORTHWESTERN—AGRICULTURE**
 Leningrad, Universitet. [Natural conditions and agricultural problems in the Northwestern U. S. S. R.] *Prirodnye uslovia i voprosy zemledel'ia na Severo-Zapade SSSR*. [Leningrad] 1962. 90 p. (DNL)
- RUSSIA, NORTHWESTERN—COMMUNICABLE DISEASES**
 State and routine problems of the study of infections with natural foci in the Northwest. K. N. Tokarevich. *Trudy Len. inst. epid. i mikrobiol.* 23:127-135 '61.
- RUSSIA, NORTHWESTERN—GAS, NATURAL—PIPE-LINES**
 Ziatkin, V. P., and S. I. A. Tishchenko. [Practice in constructing gas mains under conditions present in the northwestern U. S. S. R.] *Opyt stroitel'stva magistral'nykh gazoprovodov v usloviakh severo-zapadnykh raionov SSSR*. Leningrad, Gostekhpizdat, 1962. 144 p.
- RUSSIA, NORTHWESTERN—INLAND WATER TRANSPORTATION**
 Several remarks on the uniform deep-water system of the main inland waterways of the European U. S. S. R. S. L. Vendrov. *Vest. Mosk. un. Ser. 5: Geog.* 15 no. 2:3-10 Mr-Apr '63.
- RUSSIA, NORTHWESTERN—REVOLUTION, 1917-1921**
 Cherepanov, A. I. [Below Pskov and Narva, February 1918] *Pod Pskovom i Narvov, fevral' 1918 g.* Moskva, Voenizdat, 1963. 140 p.
- RUSSIA, SOUTHERN—BRONZE AGE**
 Ethnic and cultural relations between the tribes of the South-Russian steppes and Balkan Peninsula in the Bronze Age [with summary in English]. T. D. Zlatkovskaia. *Sov. etn.* no. 1:70-88 Ja-F '63.
- RUSSIAN DRAMA—HISTORY AND CRITICISM**
 Morals of an heroic epoch. I. U. Zubkov. *Znaniia* 33 no. 3:200-209 Mr '63.
 "On the topic of drama" by E. D. Surkov. Reviewed by S. Dmitriev. *Znaniia* 33 no. 3:219-222 Mr '63.
- RUSSIAN LANGUAGE**
Bilodid, I. K. [The Russian language as the lingua franca of the community of peoples in the U. S. S. R.] *Russkaia iazykovaia - mova mizhnatsional'noho spilkuvannia narodiv SSSR*. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 31 p.
- RUSSIAN LANGUAGE—BIBLIOGRAPHY** see Bibliography—Russian language
- RUSSIAN LANGUAGE—CASE**
 Second dative case and its syntactic synonymy in the Russian literary language of the 17th and 18th centuries. V. I. Chaglsheva. *Uch. zap. Ped. inst. Gorki.* 225:103-136 '62.
- RUSSIAN LANGUAGE—CHRESTOMATHIES AND READERS**
 Alekseeva, O. V., and V. I. Sillander, comps. [Anthology of children's literature for normal schools] *Khrestomatiia po detskoi literaturo dlia pedagogicheskikh uchilisich*. Izd. 4. Moskva, Uchpedgiz, 1962. 452 p.
 Pomerantseva, E. V., and S. I. Mintz, comps. [Russian folk poetry; an anthology] *Russkoe narodnoe poeticheskoe tvorchestvo; khrestomatiia; uchebnoe posobie dlia vuzov*. Izd. 2., ispr. i dop. Moskva, Uchpedgiz, 1963. 576 p.
- RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES**
 Look for the exact word. B. A. Dobromyslov. *Nauka i zhizn'* 20 no. 12:91-93 D '62.
- RUSSIAN LANGUAGE—DIALECTS** see subdivision under Pskov Province
- RUSSIAN LANGUAGE—DICTIONARIES**
 Problem of a geodetic dictionary. D. M. Kudritskii. *Geod. i kart.* no. 2:70-71 F '63.
- RUSSIAN LANGUAGE—GRAMMAR, COMPARATIVE—TATAR**
 Amirov, G. S. [Comparative syntax of the Russian and Tatar languages; apposition in modern literary Russian as compared with Tatar] *Iz sopostavitel'nogo zhidatsia russkogo i tatarskogo iazykov; prilozenia v sovremen-nom russkom literaturnom iazyko sopostavleniia tatarskimi*. [Kazan'] Izd-vo Kazanskogo univ., 1961. 205 p.
- RUSSIAN LANGUAGE—INFINITIVE**
 Infinitive as a circumstance. I. A. Sakharov. *Uch. zap. Ped. inst. Gorki.* 225:71-88 '62.
 Synonymy of the adnominal infinitive and the characteristics of its syntactic usage. M. A. Pavlovskaya. *Uch. zap. Ped. inst. Gorki.* 225:89-108 '62.
- RUSSIAN LANGUAGE—OLD RUSSIAN**
 Participial predicate in the history of the Russian language; from the literature of the 12th to the 17th century. V. L. Georgieva. *Uch. zap. Ped. inst. Gorki.* 225:153-169 '62.
- RUSSIAN LANGUAGE—OLD RUSSIAN—DIALECTS**
 Kotkov, S. I. [The south Great Russian dialect in the 17th century; phonetics and morphology] *Uzhnosel'-kovskoe narechie v XVII stoletii; fonetika i morfolo-giia*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 234 p.
- RUSSIAN LANGUAGE—PARTICIPLE**
 Syntactic and morphologic characteristics of participles in the Pskov dialect. Z. M. Petrova. *Uch. zap. Ped. inst. Gorki.* 225:171-192 '62.
- RUSSIAN LANGUAGE—PERIODICALS**
 "Russkii iazyk v shkole." *Ukr. move v shkole* 13 no. 1:88-91 Ja-F '63.
- RUSSIAN LANGUAGE—PUNCTUATION**
 Karkadinovskaya, I. V. [Exercises on punctuation; for evening (staggered) schools of secondary general education] *Sbornik uprazhnenii po punktatsii; dlia vechernei (smennoi) srednei obshcheobrazovatel'noi shkoly*. Moskva, Uchpedgiz, 1962. 130 p.

- RYE**
Effect of soil characteristics, fertilizers, and wintering conditions on the biochemical processes occurring in winter rye during the fall, winter, and spring periods. N.S. Avdonin, B.M. Zelikson. *Pov. plod. pochv. nechernozem. pol.* no. 2:24-47 '62.
Effect of soil characteristics, fertilizers, and wintering conditions on the stability and yield of winter rye. N.S. Avdonin, B.M. Zelikson. *Pov. plod. pochv. nechernozem. pol.* no. 2:5-23 '62.
- RYE BREEDING**
Method of clonal halves in breeding winter rye [with summaries in English, German, and French]. G.I. Popov. *Vest. sel'khoz. nauk* 7 no. 12:101-106 D '62.
- RYL'SKYI, MAKSYM**, 1895-
Living heritage. L. Z. Moroz. *Rad. lit.* 7 no. 1:98-104 Ja-F '63.
- RZHA KSA DISTRICT—AGRICULTURAL WORKERS**
Popov, A.V. Anatolii Tikhonovich Asotikov. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 17 p. (Masters agitationsno-propagandistskoj raboty)
- SACROBOSCO, JOHANNES DE**, d. 1266
Unknown Russian translation of Johannes de Sacrobosco's "Treatise on the Sphere." V.P. Zubov. *Ist.-astron. issl.* no. 8:221-239 '62.
- SADOVEANU, MIHAIL**, 1880-1961—BIBLIOGRAPHY see Bibliography—Sadoveanu, Mihail, 1880-1961
- SAFONOVO REGION (SMOLENSK PROVINCE)—MINE DRAINAGE**
Method for hydrogeological calculations in draining the Safonovo deposit. N.G. Pauker. *Zap. LGI* 44 no. 2: 85-108 '62.
- SAIADIAN, ARUTIN**, 1712-1795
Humanism of Salat-Nova's songs [in Armenian with summary in Russian]. Kh.S. Sarkisian. *Ist.-filol. zhur.* no. 1:67-89 '63.
- SAIAT-NOVA**, pseud. see Saiadian, Arutin, 1712-1795
- SAILBOATS**
"Flying stone." I. Glan. *Izobr. i rats.* no. 7:32-35 Ji '62.
- SAKHALIN—GEOMORPHOLOGY**
Geomorphology of the shelf of the western coast of southern Sakhalin. V.M. Lavrov. *Dokl. AN SSSR* 148 no. 5:1164-1167 F '63.
- SAKHALIN—TOURISM**
With a knapsack on your shoulders. *Smena* 40 no. 3: 16-17 F '63.
- SAKHALIN—TRAWLS AND TRAWLING**
Ships return to harbor. *Smena* 40 no. 3:14-15, 18-19 F '63.
- SALAMANDERS**
Development and reduction of the lacrimonasal duct in *Pleurodeles waltlii*. I.M. Medvedeva. *Dokl. AN SSSR* 148 no. 5:1215-1217 F '63.
- SALIVA**
Age-related changes in the nitrogen content of the parotid gland saliva. R.P. Podorozhnaia, T.I. Sapogovskaja. *Probl. stom.* 6:66-72 '62.
Study of the immunobiological state in parodontosis according to the phagocyte count and the content of lysozyme in the saliva. N.P. Golovina, O.D. Tsyganenko. *Probl. stom.* 6:73-78 '62.
- SALIVARY CALCULI** see Calculi, Salivary
- SALIVARY GLANDS**
Functional characteristics of salivary gland activity in parodontosis. L.A. Sarzhevskaja, Z.A. Filis. *Probl. stom.* 6:61-65 '62.
- SALIVARY GLANDS—RADIOGRAPHY**
Role of roentgenography and sialography in the diagnosis of sialolithiasis. V.S. Kovalenko. *Probl. stom.* 6: 233-237 '62.
- SALMONELLA INFECTIONS**
Treatment of patients suffering from salmonellosis caused by *Bacillus broslau*. TS. IA. Minsberg. *Trudy Kish. gos. med. inst.* 13:105-108 '60.
- SALT**
Artificial salinization of cohesive soils. B.I. Dalmatov, V.S. Lastochkin. *Sbor. nauch. trud. LSI* no. 37:19-34 '62.
Winter earth work using a solution of sodium chloride. A.N. Panteleev. *Prom. stol.* 40 [i.e. 41] no. 3:34-36 Mr '63.
- SALT CRYSTALS—TESTING**
Dislocation structure of NaCl single crystals subjected to creep tests. IA. E. Geguzin, V.L. Rabets. *Dokl. AN SSSR* 149 no. 4:818-821 Ap '63.
- SALT DEPOSITS** see subdivision under Asia, Central
- SALT INDUSTRY—PRODUCTION STANDARDS** see subdivision under Artemovsk (Ukraine)
- SALT MINES AND MINING** see subdivision under Artemovsk (Ukraine)
- SALT SOLUTIONS** see Solution (Chemistry)
- SALTPETER**
Co-crystallization of potassium dichromate and cupric nitrate with potassium nitrate. E.V. Khamskii, Z.A. Kozina. *Dokl. AN SSSR* 149 no. 4:915-917 Ap '63.
- SALTS**
Effect of mineral salts on the dielectric properties of cable paper. A.I. Boborov and others. *Bum. prom.* 38 no. 3:11-14 Mr '63.
Interaction of salts in the five-component reciprocal system Li, Rb, Tl || Br, NO₃, SO₄. E.A. Alekseeva, N.S. Dombrovskaja. *Zhur. neorg. khim.* 7 no. 7:1659-1665 Ji '62.
Problem of intensification of leaching of heavy metal ions from waste waters of industrial plants. L.D. Skrylev, S.G. Mokrushin. *Zhur. prikl. khim.* 36 no. 2:454-455 F '63.
- SALTYKOV, MIKHAIL EVGRAFOVICH**, 1826-1889
Discovery of Ivan Pavlovich. S. Makashin. *Ogonek* 41 no. 2:17-18 Ja '63.
- SAMPLING**
An automatic sampling device. N.F. Samodelov. *Energetik* 10 no. 6:19-20 Je '62.
- SAMPLING (STATISTICS)** see subdivision under Europe, Eastern
- SAND**
Deformability of sandy soils subject to dynamic loading. A.A. Romanov. *Sbor. nauch. trud. LSI* no. 37:107-114 '62.
Dynamic stability of dams built of saline sand during the process of desalinization. V.A. Erekhov. *Sbor. nauch. trud. LSI* no. 37:82-75 '62.
Effect of wind-borne transportation of sand at various altitudes on its granulometric composition. G. Uil'iams. *Dokl. AN SSSR* 149 no. 2:410-412 Mr '63.
Stability of sand slopes drawn into vibrating movements. Se Din-i [So Chin-i]. *Sbor. nauch. trud. LSI* no. 37: 95-108 '62.
- SAND, FOUNDRY**
Core mixtures with good knockout qualities. F.A. Degtiar. *Lit. proizv.* no. 8:45-46 My '62.
Easy shakeout, rapidly drying mixtures. F.A. Degtiar. *Lit. proizv.* no. 2:42-43 F '63.
Improving systems of automatic distribution of molding sands. V.S. Shitikov. *Lit. proizv.* no. 5:10-12 My '62.
Principles of designing systems for the automatic distribution of molding mixtures. V.S. Shitikov. *Lit. proizv.* no. 2:46-47 F '63.
Technological classification of montmorillonite molding clays and method to investigate them. N.P. Kutyshov. *Lit. proizv.* no. 2:47-48 F '63.
TSyryk, O.M. [New molding materials; theoretical and experimental investigations in the field of molding materials and the manufacture of molds for steel and iron casting] *Novi formuval'ni materialy; teoretychni ta eksperymental'ni doslidzhenia v haluzi formuval'nykh materialiv i tekhnologii form dla stal'noho i chavunnoho lytva*. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 125 p.
Typical centralized enterprise for the production and processing of molding materials. B.V. Knorro, A.D. Petrov. *Lit. proizv.* no. 1:2-4 Ja '63.
- SAND, FOUNDRY—ADDITIVES**
Obtaining pure dust-like molding materials in a jet mill. M.G. Borovik and others. *Lit. proizv.* no. 5:16-17 My '62.
- SAND AND GRAVEL PLANTS—EQUIPMENT AND SUPPLIES**
Comparative tests of hydraulic sand sizers and hydro-separators. N.V. Kornev, M.I. Khrestalev. *Sbor. trud. VNINerud* no. 2:20-36 '62.
Laboratory studies of an ejector. N.T. Nazarov, E.V. Siastenin, P.P. Solov'ev. *Sbor. trud. VNINerud*, no. 2: 53-63 '62.
- SAND-LIME PRODUCTS**
Creators of concrete without cement. IU. Burov. *NTO* 5 no. 2:45-47 F '63.
Houses made of silicacite. G. Mirvelliants. *Stroi. i arkh.* 10 no. 7:20 Ji '62.
Partitions made of foamed silicacite. *Stroitel'* 9 no. 3:6-7 Mr '63.
Production of reinforced air-entrained fly ash silicate. V. Barkovskii. *Stroitel'* 9 no. 3:30-32, 4 of cover Mr '63.
- SANDOMIERZ, POLAND—ANTIQUITIES**
They dug out a queen. I. Pavlov. *Ogonek* 41 no. 11:20 Mr '63.
- SANDY SOILS**
Nosova, O.N. [Analysis of water loss from sandy soils] *Raschet vodoobdachi peschanykh gruntov*. Moskva, Gosenergizdat, 1962. 116 p.
- SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES**
Sanitary engineering equipment made of waterproof concrete. G. Bovin. *Stroi. stol.* 17 no. 2:17-18 F '63.
Sherman, IA, L. [Production of sanitary structural ceramics] *Proizvodstvo sanitarno-stroitel'noi keramiki*. Izd. 2., perer. i dop. Moskva, Gosstroizdat, 1963. 140 p.
- SANITATION**
Link with the practice established by the personnel of a special department of an institution for higher technical education in collaboration with sanitation units [in Azerbaijani with summary in Russian]. V.L. Techikva. *Azerb. med. zhur.* 40 no. 1:60-68 Ja '63.
- SAPPHIRINE**
Sapphirine. V.A. Frank-Kamenetskii, V.V. Kondrat'eva, A.I. Komkov. *Rent. msh. syr.* no. 1:128-145 '62.
- SAPROPELS AS FEED**
Sapropel as forage for horses. E.A. Chalik. *Trudy VNIK* no. 17:145-152 '60.
- SARATA DISTRICT—COLLECTIVE FARMS—FINANCE**
How to organize business accounting in individual production units on collective farms. Z. Naumovich. *Ekon. Rad. Ukr.* no. 1:99-103 Ja-F '63.
- SARATOV—ADOLESCENCE**
Materials on the sexual development of adolescents in Saratov. V.S. Solov'eva. *Vop. antr.* no. 1:101-93 '62.
- SARATOV PROVINCE—ADMINISTRATIVE AND POLITICAL DIVISIONS**
District borders. Boris Bedrov, Nikolai Bykov. *Ogonek* 41 no. 3:28-29 Ja '63.
- SARATOV PROVINCE—ECONOMIC CONDITIONS**
District borders. Boris Bedrov, Nikolai Bykov. *Ogonek* 41 no. 3:28-29 Ja '63.
- SARMATIAN ANTIQUITIES** see subdivision under Dakhkirin
- SARTRE, JEAN PAUL**, 1905-
Two hours with Jean Paul Sartre. L. Gendlin. *Siburg. nov. Kul'i. i zhizn'* 6 no. 9:35-36 '62.
- SATIRE**
Evenlov, I.S. [Satire in the works of M. Gor'kii] *Satira v tvorchestvo M. Gor'kogo*. Moskva, Sovetskii plantel', 1962. 285 p.
Nikolaev, D.P. [Laughter is the weapon of satire] *Smekh - oruzhie satiry*. Moskva, Izd-vo "Iskusstvo," 1962. 221 p.
Your happy eyes (conclusion). Iukhim Martich. *Sov. lit.* 12 no. 11:102-176 N '62.
- SATIRE, FRENCH**
IAkimovich, T.K. [The French realistic sketch, 1815-1848] *Frantsuzskii realisticheskiy ocherk, 1815-1848*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 317 p.
IAkimovich, T.K. [Satirical press of the French republican democrats from 1830-1835; a contribution to the history of 19th century realism in France] *Satiricheskaia pressa frantsuzskoi respublikanskoi demokratrii 1830-1835 gg.; k istorii realizma XIX veka vo Frantsii*. [Kiev] Izd-vo Kievskogo univ., 1961. 181 p. (MII)
- SAUSAGES**
Quality of smoked sausages prepared with the use of smoking liquid. M. Gabrieliants. *Sov. tor.* 11 no. 3:29-31 Mr '63.
- SAVINGS BANKS**
(see also subdivision under Leningrad)
For developing savings bank work further. P. Chetvinskii. *Den. i kred.* 21 no. 9:3-11 Mr '63.
- SAWFLIES** see subdivision under Khoper Preserve
- SAWMILLS—EQUIPMENT AND SUPPLIES**
Khasan, S.M. [Recent developments in the equipment of sawmills] *Novoe v oborudovanii lesopil'nykh zavodov*. Moskva, Gosleskhimzdat, 1962. 84 p.
Lapin, P.I. [Organizing the preparation for use and operation of instruments at sawmills] *Organizatsia instrumental'nogo khoziasitva na lesopil'nykh zavodakh*. Moskva, Gosleskhimzdat, 1962. 163 p.
- SAYAN MOUNTAIN REGION—KARAGASSES**
In the Sayan Mountains. An. Davydov. *Sov. poireb. khoz.* 7 no. 4:48 Ap '63.
- SCALE INSECTS**
Decrease in the number of scales in the larval and nymphal phases in the evolutionary process of Coccidae (Insecta, Homoptera). N.S. Borkhsenius. *Dokl. AN SSSR* 149 no. 2:488-489 Mr '63.
- SCALES (FISHES)—ATLASES**
Galkin, G.G. [Atlas of scales of freshwater bony fishes] *Atlas cheshui presnovodnykh kostistykh ryb*. Leningrad, 1958. 105 p. (Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo khoziasitva. Izvestia, vol. 46)

SCANDIUM—ANALYSIS

Sulfonazo as a reagent for the determination of scandium [with summary in English]. V. G. Brudz' and others. Zhur. anal. khim. 17 no. 5:568-573 Ag '62.

SCARLET FEVER

Bogdanov, I. L. [Scarlet fever as a streptococcal infection] Skarlatina kak streptokokkovaya infektsiya. Kiev, Gosmedizdat USSR, 1962. 311 p.
Makhmudov, O. S. [Scarlet fever] Skarlatina, Tashkent, Medgiz UzSSR, 1962. 12 p. (DNLM)

SCATTERING (PHYSICS)

Representation of the imaginary parts of amplitudes for many-particle intermediate states. A. M. Brodskii. Dokl. AN SSSR 148 no. 6:1275-1278 F '63.

SCELIONIDAE

New synonyms for species of the genera *Asolcus* Nak., *Gryon* Hal., and *Telenomus* Hal. (Hymenoptera, Scelionidae), egg-parasites of *Eurygaster integriceps* Put. [with summary in English]. M. A. Kozlov. Zool. zhur. 42 no. 2:294-296 '63.

SCHIFF BASES—ELECTRIC PROPERTIES

Electrophysical properties of Schiff polybases formed by benzyl and paraphenylenediamine. B. E. Davydov and others. Izv. AN SSSR, Otd. khim. nauk no. 4; Ap '63.

SCHIZOPHRENIA

Ambrumova, A. G. [Course of schizophrenia according to data of late catamnesis] Techenie shizofrenii po dannym otalennogo katamneza. Pod red. V. M. Banskikh. Moskva, Gos. nauchno-issle. in-t psikhia-trii, 1962. 216 p.

Correlations of clinical and laboratory studies (as indicated by electroencephalography) on patients with a schizophrenialike syndrome in the late stage of a craniocerebral trauma. E. S. Gaidai. Probl. sud. psikh. 11:98-109 '61.

Course of schizophrenia on an organically changed basis. O. N. Dokuchaeva. Prak. sudebnopsikh. ekspert. no. 7: 3-12 '62.

Difficulties in diagnosing slowly developing schizophrenia. F. V. Kondrat'ev. Prak. sudebnopsikh. ekspert. no. 7: 13-20 '62.

Simulated schizophrenia. A. S. Klaclev. Prak. sudebnopsikh. ekspert. no. 7:21-27 '62.

Some variants of schizophrenialike states in a late stage of a craniocerebral wound. I. S. Gaidai. Probl. sud. psikh. 11:50-63 '61.

State of alcoholic intoxication in a schizophrenic. G. D. Zaborodin. Prak. sudebnopsikh. ekspert. no. 7:28-35 '62.

SCHOOL DISCIPLINE

"Essays on the work methods of a class adviser" by N. I. Boldyrev. Reviewed by A. I. Dulov. Sov. pedagog. 27 no. 3:151-153 Mr '63.
We and our students. P. A. Hudim. Rad. shk. 41 no. 2: 91-94 F '63.

SCHOOL EXCURSIONS

(see also subdivision under Ukraine)

Excursion to a woodworking plant. S. D. Razuinov. Shkola i proizvod. 6 no. 11:40 N '62.

Role of industrial excursions in the development of technical creativity in students. K. K. Tkachenko. Rad. shk. 41 no. 1:75-79 Ja '63.

SCHOOL GARDENS

Use of the school fruit and berry garden for experimental work. K. S. Filipuk. Shkola i proizvod. 6 no. 12:47-49 D '62.

SCHOOL HYGIENE

Korunskaya, M. I., ed. [Manual on hygiene for children and adolescents] Ruководство po ghygiene detei i pod-roshtkov. Moskva, Medgiz, 1962. 349 p. (Biblioteka sanitarnogo vracha) (DNLM)

SCHOOL SPORTS—CONGRESSES

All-Union Scientific and Methodological Conference on Sports for School Children. M. I. Novikova. Teor. i prak. fiz. kul't. 26 no. 2:72-75 F '63.

SCHOOL SUPERVISION

Let's give more attention to methodological work with instructors. I. M. Skulkin. Shkola i proizvod. 6 no. 12: 54-58 D '62.

To supervise means to help. I. A. Pelypeiko. Rad. shk. 41 no. 2:102-104 F '63.

SCHOOLHOUSES see subdivision under Kharovsk; Leningrad

SCIATIC NERVE

Afferent innervation of the sciatic nerve sheaths in man. T. F. Kuleshova. Dokl. AN SSSR 149 no. 4:988-988 Ap '63.

SCIENCE

News around the world. Tekh. mol. 31 no. 1:30-31 '63.
Science in the borderland of fantasy. M. V. Keldysh and others. Tekh. mol. 31 no. 12 of cover, 2, 7 '63.
Through the pages of books. B. Llapunov. V mire knig 3 no. 4:15-16 Ap '63.

SCIENCE—BIBLIOGRAPHY see Bibliography—Science

SCIENCE—MISCELLANEA

Hypotheses, suggestions, projects. Znanie-sila 38 no. 1:11 Ja '63.

A little about many things. Znan. -sila 38 no. 2:30-31 F '63.

Relay race from the depth of centuries. Znan. in pratsia no. 1:14-18 Ja '63.

SCIENCE—PERIODICALS

"Nauka i zhytla." S. Andrievskii. Sov. Ukr. 13 no. 2: 179-181 F '63.

SCIENCE—PHILOSOPHY

Ideological problems discussed in the first Russian scientific periodical. N. F. Utkina. Nauch. dokl. vyss. shkoly; filoz. nauki 6 no. 1:105-112 '63.
The work of methodological study groups. N. T. Abramova. Vop. filoz. 17 no. 3:157-159 '63.

SCIENCE—PROBLEMS, EXERCISES, ETC.

Overcoming dogmatism in practical laboratory work. M. I. Zaichuk. Dokl. APN 6 no. 8:19-22 '62.

SCIENCE AND RELIGION see Religion and science

SCIENCE FICTION

"Mystery of two sphinxes" by I. Vasil'kov. Reviewed by V. Chichkov. Vokrug sveta no. 3:63 Mr '63.

SCIENCE NEWS

About everything. Sov. Soluz no. 1:16-17 '63.

About everything. Sov. Soluz no. 2:32-33 '63.

In the whole world. Znan. -sila 38 no. 2:24-25, 32, 34 F '63.

Inventions, discoveries and hypotheses. G. Pogodin-Alekseev. Sov. Soluz no. 12:52 '62.

Inventions, discoveries, hypotheses. Sov. Soluz no. 1: 36 '63.

Inventions, discoveries, hypotheses. Sov. Soluz no. 2: 24 '63.

Inventions, discoveries, and hypotheses. Sov. Soluz no. 4:42 '63.

Science and technology, 1962. Siemens 39 no. 24:12-13 D '62.

SCIENTIFIC APPARATUS AND INSTRUMENTS

Apparatus for demonstrating the fall of static pressure in the zone of vortex formation. I. I. Konfortkin. Sred. spets. obr. 10 no. 3:60 Mr '63.

SCIENTIFIC EXPEDITIONS see subdivision under Siberia; Transbaikalia; Venezuela

SCIENTIFIC RECREATIONS

Scientists are joking. Nauka i zhitn' 20 no. 12:98 D '62.

SCIENTISTS

Noteworthy dates in science and technology. Shkola i proizvod. 6 no. 12:87 D '62.

SCINTILLATION (PHYSICS)

Photoluminescent and scintillation properties of certain oxazole derivatives in polystyrene. L. L. Nagornaya, V. D. Bezuglyi, N. P. Demchenko. Opi. i spekt. 13 no. 4:518-521 O '62.

SCINTILLATION COUNTERS

Build-up factors of the dose of low-energy γ -rays in aluminum. A. V. Larichev, V. I. Mitin. Vop. doz. i zashch. ot izluch. no. 1:55-56 '62.

Calculating the counting efficiency of an organic crystal detector for fast neutrons. G. G. Doroshenko and others. Vop. doz. i zashch. ot izluch. no. 1:90-99 '62.

Methods for determining the induced activity of threshold indicators. V. P. Maashkovich. Vop. doz. i zashch. ot izluch. no. 1:100-107 '62.

Scintillation γ -dosimeter with compensation for energy dependence. A. V. Larichev, V. P. Levchenko. Vop. doz. i zashch. ot izluch. no. 1:81-83 '62.

SCLERODERMA

Substantiation of the use of exercise therapy for patients suffering from systemic scleroderma. Report No. 1 [with summary in English]. N. V. Khabitskaya, N. V. Petrova. Vop. revm. 1 no. 4:72-79 O-D '61.

SCOTLAND—UNEMPLOYED

A cold wind from the north. Donald Sutherland. Vsem. prof. dvizh. no. 3:25-28 Mr '63.

SCOWS

Self-unloading mud boat. V. A. Smirnov and others. Shor, izobr. v ryb. prom. za 1959 g. 105-107.

SCRAPERS

Degtyarev, A. P., and A. K. Reish. [Scraper work] Skrapernye raboty. Moskva, Gosstroizdat, 1962. 222 p.

Determining the tractive forces of scrapers. A. I. Kriukov, E. D. Galochkin, I. I. Khuditskii. Stroitel. dor. mash. 8 no. 2:20-22 F '63.

Whirling rabbits. G. V. Bolikova. Neftianik 7 no. 7:23 Ji '62.

SCREWS

Screws in a rod. A. Klupper. Izobr. i rats. no. 1:19 '63.

SCYTHIAN ANTIQUITIES see subdivision under Nikol' region (Dnepropetrovsk Province); Tiraspol' region

SEA ICE see subdivision under Antarctic regions

SEA POWER

"Life" gets into a mess. A. Serbin. Ogonek 41 no. 10: 6-7 Mr '63.

SEASIDE RESORTS see subdivision under Feodosiya; Karolino-Bugaz

SEAWATER—DENSITY

Internal waves in an ocean inhomogeneous with respect to density. B. A. Tareev. Dokl. AN SSSR 149 no. 4: 827-830 Ap '63.

SECAUCUS—COLD STORAGE WAREHOUSES

New type of low-temperature cold storage warehouse in Secaucus. Khok. tekhn. 40 no. 1:57-56 Ja-F '63.

SECONDARY ELECTRON EMISSION

Experimental study of secondary electron emission characteristics of magnesium orthotitanate. G. A. Chulko, I. V. Sipkov. Radiotekhn. i elektron. 8 no. 3: 487-493 Mr '63.

SECTS

Facts reveal. Nauka i rel. 4 no. 3:26 Mr '63.

Sarbel, V. H. [Falsity of sectarian theology] Oblyudnist' sektants'kogo bohoslov'ia. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 55 p.

SECURITY, INTERNATIONAL

"Collective security is the guarantee of peaceful co-existence" by V. K. Sobakin. Reviewed by S. Molodtsov. Mir. ekon. i mezhdunar. otn. no. 3:145-147 '63.

SEDIMENTS (GEOLOGY) see subdivision under Ossetia, North

SEED PRODUCTION

(see also subdivision under Ukraine)
Gullae, G. V. [Seed production of grain crops; basic problems in variety changing and strain renovation; and growing high-yield seeds] Semenovodstvo zernovykh kul'tur; osnovnye voprosy sortosmeny, sortootvornosti i vyrashchivaniya vysokourozhaynykh semian. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 457 p. (DNAL)

SEEPAGE

Structure and development of seeping hydrothermal ore-forming systems [with summary in English]. G. L. Pospelov. Geol. i geofiz. no. 12:40-57 '62.

SEISMIC PROSPECTING

(see also subdivision under Azerbaijan; Dnieper-Donezka region, Zaporozhye Province; Dnieper-Belozersk Lowland; Krasnodar Territory; Krivoy Rog Basin; Ukraine)

Comparative estimation of the accuracy of longitudinal and alternating refracted wave methods [with summary in English]. A. V. Trigubov. Geol. i geofiz. no. 12:87-94 '62.

Method for studying surface conditions using sondes. V. P. Rudnitskii. Geofiz. sbor. no. 2:73-79 '62.

Selecting the optimal angles of inclination of seismographs in azimuth installations. V. I. Bondarev. Izv. AN SSSR, Ser. geofiz. no. 3:482-485 Mr '63.

Solution of the direct spatial problem in the reflection method of seismic prospecting in the case of linear source of vibrations. I. A. Vasil'ev. Izv. AN SSSR, Ser. geofiz. no. 3:397-405 Mr '63.

Some interference in low-frequency seismic prospecting. A. N. Mozhenko. Razved. i prom. geofiz. no. 46:15-16 '62.

Study of the deep-seated structure of the earth's crust by the method of reflected waves. S. Chamo. Razved. i prom. geofiz. no. 46:130-135 '62.

SEISMIC PROSPECTING—EQUIPMENT AND SUPPLIES

Device for programming seismic vibrations. G. V. Bereza. Razved. i prom. geofiz. no. 46:20-24 '62.

Using a CCM-57 station with intermediate magnetic recording in seismic shot-hole prospecting. I. B. Demidenko, Ch. V. Fabianskii. Razved. i prom. geofiz. no. 46:25-29 '62.

SEISMIC WAVES

Determining the crustal depth of the Ukrainian Crystalline Shield on the basis of surface wave dispersion. B. N. Shechikov, O. I. Iurkevich. Geofiz. sbor. no. 1:75-78 '62.

Difference hodographs of the head wave for a circular interface [with summary in English]. I. U. Voronin, E. V. Nikol'skii, A. V. Trigubov. Geol. i geofiz. no. 11: 74-85 '62.

Formulas of the coefficients of reflection, refraction, conversion, and formation of leading waves in the case of liquid and solid contact of homogeneous and isotropic elastic beds. V. P. Telizhenko, L. A. Erolova. Trudy SMIGGIMS no. 26:167-174 '62.

SEISMIC WAVES (Continued)

- Methods for studying diffracted waves. IU, V. Timoshin. Geofiz. sbor. no. 2:80-83 '62.
- Modeling longitudinal waves in the upper part of the earth mantle. IU, V. Ryzhichenko, O. G. Shamina. Izv. AN SSSR, Ser. geofiz. no. 2:223-247 F '63.
- New possibilities of using seismic velocities. G. I. Petkevich. Geofiz. sbor. no. 1:64-67 '62.
- One of the types of longitudinal-transverse waves recorded during seismic studies of refracted waves by the correlation method. B. E. Shcherbakova. Razved. i prom. geofiz. no. 46:7-14 '62.
- Some results of the study of alternating reflected waves in high velocity differentiation media. L. I. Ratnikova. Izv. AN SSSR, Ser. geofiz. no. 2:261-277 F '63.
- Wave properties of perforated materials for seismic modeling. B. N. Ivakin, IU, F. Vasil'ev. Izv. AN SSSR, Ser. geofiz. no. 2:248-250 F '63.

SEISMOLOGY

- Relative changes of the energy of seismic-acoustic processes during the sudden outburst of coal and gas. A. G. Konstantinova, L. G. Mysina. Izv. AN SSSR, Ser. geofiz. no. 2:301-308 F '63.
- Repeated pulses during the explosions in boreholes. A. M. Epina'teva. Izv. AN SSSR, Ser. geofiz. no. 2: 293-300 F '63.
- Session of the Council on Seismology of the Academy of Sciences of the U. S. S. R. held in Dushanbe. V. M. Arkhangelskaia. Izv. AN SSSR, Ser. geofiz. no. 2: 336-339 F '63.
- Studying the direction of the vector of displacement in seismic waves during observations in boreholes. E. I. Gal'perin. Izv. AN SSSR, Ser. geofiz. no. 2:278-282 F '63.
- Use of the tangent formula in the solution of some problems of geometrical seismology. N. N. Puzirev. Geol. i geofiz. no. 11:86-94 '62.

SEISMOMETERS

- Digital computer for seismograms. V. L. Belotelov, L. N. Rykunov. Izv. AN SSSR, Ser. geofiz. no. 3:473-475 Mr '63.
- Seismograph for use in shallow bodies of water. A. P. Ermakov. Razved. i prom. geofiz. no. 46:30-33 '62.

SEISMOLOGY see subdivision under Vrancea region, Rumania

SELENIUM-GERMANIUM ALLOYS see Germanium-selenium alloys

SELF-DEFENSE (LAW)

- "Self-defense and the state of necessity in Soviet criminal law" by N. N. Pashe-Ozerskii. Reviewed by I. T. Shkevich. Sov. iust. no. 7:29-30 Ap '63.

SELF-SERVICE STORES

- Samsonov, I. A. [Self-service bakeries] Khlebobolochnye magaziny samooobsluzhivaniia. Moskva, Gostorgizdat, 1962. 53 p.

SELIGER LAKE REGION—STONE AGE

- Neolithic site of Kochishche on Lake Seliger. I. V. Gavilova. Krat. soob. Inst. arkheol. no. 92:87-90 '62.

SEMEN

- Concentration of hydrogen ions in the sperm of stallions. P. P. Pechnikov. Trudy VNIK no. 17:123-132 '60.
- Errors in determining the concentration of spermatozoa by the photoelectrometric method [with summaries in English, German, and French]. F. I. Ostashko, G. S. Galvoronskii. Vest. sel'khoz. nauk 7 no. 12:130-133 D '62.

SEMEN—PRESERVATION

- International seminar on the preservation of the semen of farm animals. L. Pitina. Vest. sel'khoz. nauk 7 no. 12:144-148 D '62.

SEMICARBAZIDE

- Syntheses of 1,1-bis (2-hydroxyethyl) thiosemicarbazides. I. V. Podgornai, I. A. Postovskii. Zhur. ob. khim. 33 no. 3:744-748 Mr '63.

SEMICONDUCTOR DEVICES see Transistors

SEMICONDUCTORS

- Comparison of the catalytic activity of semiconductor catalysts with values characteristic of their photoconductivity and its kinetics. V. A. Zhuravlev, V. N. Kulitskii. Kin. i kat. 4 no. 1:109-115 Ja-F '63.
- Contribution to the theory of electron-hole junctions. IU, F. Sokolov. Radiotekh. i elektron. 8 no. 3:471-478 Mr '63.
- Diamonds with semiconductor properties (from "Elektronik," no. 1 1962). Radio no. 12:57 D '62.
- [Electron-hole junctions in semiconductors] Elektronno-dyrochnye perekhody v poluprovodnikakh. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 320 p.
- Nikolaevskii, I. F., ed. [Transistors and semiconductor diodes] Transistory i poluprovodnikovye diody. Moskva, Svyaz'izdat, 1962. 646 p.
- Recombination processes of free radicals on semiconductor surfaces and their role in luminescence. F. F. Vol'kenshtein, A. N. Gorban', V. A. Sokolov. Kin. i kat. 4 no. 1:24-34 Ja-F '63.
- "Semiconductors" by R. Smith. Translated from the English. Reviewed by I. M. Tsidi'kovskii. Usp. fiz. nauk 79 no. 3:585-586 Mr '63.

- Stabilized intermittent current-supply sources for semiconductor devices. IU, P. Rudnev. Avtom. i prib. no. 1: 56-70 Ja-Mr '63.

SEMICONDUCTORS—SPECTRA

- Spectral determination of impurities in semiconductor silicon after a preliminary chemical concentration [with summary in English]. IU, V. Morachevskii and others. Zhur. anal. khim. 17 no. 5:814-820 Ag '62.

SENGILEY DISTRICT—COLLECTIVE FARMS—INTERFARM COOPERATION

- Shcherbak, B. M. [Interfarm building organization] Mezhholkhoznaia stroitel'naiia. [U'ianovsk] U'ianovskoe knizhnoe izd-vo, 1960. 36 p.

SENSES AND SENSATION

- Correlation between the bioelectric activity of the brain and the interaction of the analysers in epileptic patients. IU, G. Gaponova. Probl. sud. psikh. 11:196-209 '61.
- Odueva, N. K. [Transition from sensation to thought; the mental development of children] O perekhode ot oschushcheniia k mysli; k istorii umstvennogo razvitiia rebenka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 118 p.

SENTENCES (CRIMINAL PROCEDURE)

- Was this judge right? Sov. iust. no. 4:18 F '63.

SEPARATORS (MACHINES)

- Investigating the performance of a double-section drum milk purifier-separator. N. N. Lipatov. Izv. vys. ucheb. zav. plishch. tekhn. no. 1:122-125 '63.

SEPARATORS (MACHINES)—TESTING

- Comparative tests of hydraulic sand sizers and hydro-separators. N. V. Kornev, M. I. Khristalev. Sbor. trud. VNIINerud no. 2:20-36 '62.
- Some results of laboratory studies of a model gravel separator. G. A. Blukhin. Sbor. trud. VNIINerud no. 2: 64-73 '62.

SEQUENCES (MATHEMATICS)

- Laplace sequences from generalized conjugate Rose nets in n-dimensional projective space. V. V. Gol'dberg. Dokl. AN SSSR 149 no. 2:237-240 Mr '63.

SERAFIMOVICH, A. S. pseud. see Popov, Aleksandr Serafimovich, 1883-1949

SERAFIMOVKA—COMMUNITY CENTERS

- Club of international friendship. A. Zhamaletdinov. Komsom. zhizn' no. 13:25-26 Ji '62.

SEREBRIAKOVA, GALINA IOSIFOVNA

- Living touches. L. Iakobson. Ogonek 41 no. 11:9 Mr '63.

SERFDOM see subdivision under Armenia; Karelia; Ukraine

SERGEEV, FEDOR ANDREEVICH, 1883-1921

- Pages from an heroic life: on the 80th anniversary of Artem's (F. A. Sergeev's) birth. I. P. Donkov, S. R. Kadyrov. Vop. ist. KPSS 7 no. 3:91-95 Mr '63.

SERIES

- Asymptotic evaluation of the coefficients of expansion in certain systems of analytic functions. M. I. Shabunin. Sib. mat. zhur. 4 no. 2:446-456 Mr-Apr '63.
- Calculation of sums of certain series. N. O. Gulkarjan. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 16 no. 1:119-127 '63.
- Convergence of certain interpolation series. M. M. Dragilev, O. P. Chukhlova. Sib. mat. zhur. 4 no. 2: 287-294 Mr-Apr '63.

SEROLOGY

- Clinical serological parallels in rheumatic fever. A. M. Smirnova, O. D. Grigor'eva. Vop. pat. krovi i krovoobr. no. 6:80-88 '61.

SERPUKHOV—PAPER INDUSTRY—LABOR PRODUCTIVITY

- Why they call him a beacon. S. Gurov. Otv. na vop. trud. no. 12:2-5 D '62.

SERPUKHOV—PAPER INDUSTRY—TECHNOLOGICAL INNOVATIONS

- Glenko, A. V. [Millions of rubles from grams of raw material] Millions rublei iz grammov syr'ta. [Moskva] Mosk. rabochii, 1962. 37 p. (Novatory semilet'ki)

SERUM DIAGNOSIS

- Characteristics of serological reactions in current forms of typhus. F. I. Krasnik. Trudy Len. inst. epid. i mikrobiol. 23:41-47 '61.
- Determining the species in phytopathogenic bacteria by the serological method and the genealogy of some bacteria [with summary in English]. V. P. Ikrail'skii. Mikrobiologiya 31 no. 6:1018-1022 N-D '62.
- Differentiation of various species of Rickettsia in lice by means of fluorescent antibodies. F. I. Krasnik, R. B. Gol'din. Trudy Len. inst. epid. i mikrobiol. 23:80-84 '61.
- Experience in detecting typhus antibodies in serums of people by the method of fluorescence microscopy; studies by the use of fluorescent antibodies. R. B. Gol'din, F. I. Krasnik. Trudy Len. inst. epid. i mikrobiol. 23:88-79 '61.

[Serological methodology of research in the diagnosis of communicable diseases] Serologicheski metody issledovaniia pri diagnostike infektsionnykh boleznoi. Moskva, Medgiz, 1962. 370 p. (DNLM)

Serological reactions in experimental typhus. F. I. Krasnik. Trudy Len. inst. epid. i mikrobiol. 23:48-57 '61.

SERVICE INDUSTRIES

(see also subdivision under Mikhaylovka, Dzhambul Province)

- We need more specialists in the service trades. M. Sonin. Zhil.-kom. khoz. 13 no. 2:19 '63.

SERVOMECHANISMS

- Aven, O. L., and others. [Contactless executive mechanism with single-phase asynchronous motor] Beskontaknyi ispolnitel'nyi mekhanizm s odnofaznym asinkhronnym dvigatelem. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957. 16 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-57-3/2)

- Rudakov, V. V., and G. A. Ustiuzhanin. [Electronic amplifier with a multiplying device for servo drive systems] Elektronnyi usilitel' s mnozhitel'nym ustroistvom dlia sistem slediashego privoda. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii 1958. 23 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 42. No. P-56-60/2)
- Selsyn system constructed by radio amateurs. V. Petrushev. Radio no. 4:23 Ap '63.

SEVAN, LAKE—BACTERIA, SULFUR

- Microbiological processes of the sulfur cycle in Lake Sevan. M. E. Gambarian. Trudy Sevnn. gidrobiol. sta. 16:5-14 '62.

SEVAN, LAKE—MOLLUSKS

- Some data on mollusks in Lake Sevan during its draining. A. M. Meshkova. Trudy Sevnn. gidrobiol. sta. 16:83-96 '62.

SEVAN, LAKE—PLANKTON

- Contemporary state of plankton in Lake Sevan in connection with its draining. T. M. Meshkova. Trudy Sevnn. gidrobiol. sta. 16:15-28 '62.

SEVAN, LAKE—TROUT

- Artificial reproduction of the trout stock in Lake Sevan. I. V. Sharonov. Trudy Sevnn. gidrobiol. sta. 16:125-160 '62.
- Materials on the biology of young trout of Lake Sevania their lacustrine period of life. M. G. Dadikina. Trudy Sevan. gidrobiol. sta. 16:97-113 '62.

SEVAN, LAKE—VARICORINUS

- Stock of Varicorhinus in Lake Sevan in 1956-1958. V. M. Chikova. Trudy Sevnn. gidrobiol. sta. 16:115-123 '62.

SEVASTOPOL REGION—COINS, ANCIENT

- Finds of coins in a burial mound near the No. 10 State Farm in the Crimea. V. A. Anokhin. Num. i epig. 3: 130-135 '62.

SEVERODONETSK—DESCRIPTION

- Visit our town. II. Evdokimov. Nauka i zhytiia 12 no. 1:57-60 Ja '63.

SEVERO-YENISEYSKIY REGION—MINE ROOF BOLT-ING

- Use of rod bolting in the "Sovetskiy" Mine. N. P. Kosenka. Stukht. stroi. 7 no. 2:21-22 F '63.

SEWAGE—ANALYSIS

- Iur'e, IU, IU., and A. I. Rybnikova. [Chemical analysis of industrial waste waters] Khimicheski analiz proizvodstvennykh stochnykh vod. Izd. 2., perer. i dop. Moskva, Goskhimizdat, 1963. 251 p.

SEWAGE—PURIFICATION

- Blasting in saturated soil for making a foundation pit. V. A. Rukavitsin. Prom. stroi. 41 no. 2:41-42 F '63.

- Lukinykh, N. A., and I. S. Turovskii. [Basic principles of the technical design of units for the mechanical dehydration of sewage residues on drum vacuum filters] Osnovnye printsipy tekhnologicheskogo rascheta ustroistv po mekhanicheskomu obezvozhivaniu osadkov stochnykh vod na barabannykh vakuum-filtrakh. Moskva, 1962. 34 p. (Akademiia kommunalnogo khoz. stva. Informatsionnoe pis'mo, no. 1)

- Problem of intensification of leaching of heavy metal ions from waste waters of industrial plants. L. D. Skrylev, S. G. Mokrushin. Zhur. prikl. khim. 36 no. 2:454-455 F '63.

- Using the IMS-3 device. M. Demura. Zhil.-kom. khoz. 13 no. 2:30 '63.

- Zhukov, A. I., I. L. Mongait, and I. D. Rodziller. [Sewerage at industrial enterprises; purification of industrial sewage] Kanalizatsiia promyshlennykh predpriatii; oshchistka promyshlennykh stochnykh vod. Moskva, Gosstroizdat, 1962. 602 p.

SEWER PIPE

- Eyilevich, A. Z. [Calculation and design of sediment pipelines] Raschet i proektirovaniie lioprovedov. 2., perer. i dop. Izd. Moskva, Izd-vo M.-va kommun. khoz. RSFSR, 1962. 113 p.

SEWERAGE

Morkunas, A. M., and O. V. Mukhorina. [New studies and data of sewerage systems] Novye issledovaniia i raschetnye dannye po kanalizatsionnym setiam. Leningrad, 1961. 71 p. (Leningrad. Inzhenerno-stroitel'nyi institut. Sbornik nauchnykh trudov, no. 33)

SEWERAGE—STANDARDS

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pl. 2, Sec. G, ch. 6. [Sewage standards for design (SNIP II-C.6-62)] Kanalizatsiia normy proektirovaniia (SNIP II-G.6-62). 1962. 72 p.

Pl. 2, Sec. G, ch. 6. [General plans of industrial enterprises; standards for design (SNIP II-M.1-62) 1962] General'nye plany promyshlennykh predpriatii; normy proektirovaniia (SNIP II-M.1-62) 1962. 54 p.

SEWING MACHINES

State of the sewing thread during the formation of the stitch with the machine shuttle. S. I. Rusakov. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 1:151-157 '63.

SHADR, IVAN DMITRIYEVICH, 1887-1941

Living heritage; on the exhibition of works by I. D. Shadr. I. Kuratova. Iekusstvo 26 no. 1:14-26 '63.

SHAFT SINKING

(see also subdivision under Donets Basin; Kazakhstan; Sweden)

Develop new methods and efficient equipment for deepening shafts. Shakhst. stroit. 7 no. 2:20-30 F '63.

Transporting men, rocks, and material in sinking inclined shafts. I. D. Shitefan, M. S. Sorin. Shakhst. stroit. 7 no. 4:9-10 Ap '63.

SHAFTING

Measuring flexural stress in shafting by lever-type gauges. E. S. Reinberg. Sudostroenie 20 no. 1:72-73 Ja '63.

Torque measurement on propeller shafts during ship trials. A. B. Khaikin, E. P. Shumpr. Sudostroenie 20 no. 1:69-72 Ja '63.

SHAIM REGION—GEOLOGICAL TIME

Age of the producing horizon in the Berezovo-Shaim gas- and oil-bearing zone of the West Siberian Plain. L. V. Rovnina. Trudy SNGGIMS no. 26:20-28 '62.

SHALE see subdivision under Kentyrlyk region

SHALIAPIN, FEDOR IVANOVICH, 1873-1938

Rare and powerful talent. P. Chelenskii. Ogonek 41 no. 7:10-11 F '63.

SHAPSHAL' RANGE REGION—GLACIERS

Recent glaciation of the Shapshal' Range. E. D. Donchenko. Inform. sbor. o rnb. Geog. fak. Mosk. gos. un. po Mezhdunar. geofiz. godu no. 5:208-290 '60.

SHCHERBAKOV, DMITRII IVANOVICH, 1893-

The whole earth is his laboratory. Ivan Dvorov, Iurii Polkovnikov. Ogonek 41 no. 6:4-5 F '63.

SHEARS (MACHINE TOOLS)

Gripping the sheet by cutters and the steady process of cutting with rotary shears. E. V. Pal'mov, A. M. Saburov. Izv. vys. ucheb. zav. i Chern. met. 6 no. 2: 185-190 '63.

SHEEP see subdivision under Alay Range

SHEEP—FEEDING AND FEEDS see subdivision under Ukraine

SHEEP BREEDING see subdivision under Tajikistan

SHEEP HOUSES AND EQUIPMENT

Mechanized sheep bath. P. Akiev. Sel. stroit. 17 no. 2: 10-11 F '63.

SHEET-METAL WORK

Selection and efficient use of sheet steel in the manufacture of bodies. G. D. Rogozin. Avi. prom. 20 no. 3:39-41 Mr '63.

[Sheet-metal work, cutting, sizing, and drawing] Kholodnaya shtampovka, rubka, kalibrovka i volocheniye. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. Nos. 1, 3-4. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 6. No. M-58-52/2. M-58-173/4. M-58-240/5)

SHEET-METAL WORKING MACHINERY

Sher, G. S. [Combination dies of consecutive and simultaneous action] Kombinirovannye shtampy posledovatel'nogo i sovmeshchennogo deistviia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 6. No. M-58-142/3)

SHEFFIELD, GREAT BRITAIN—CITY PLANNING

The practice of building development in Sheffield. P. Blokhin, V. Etenko. Stroit. i arkh. Mosk. 12 no. 2:33-35 F '63.

SHELL MOLDING (FOUNDING)

Physical factors in the shell-forming process. I. A. Chernyshev. Lit. proizv. no. 2:34-37 F '63.

Using the PS-1 binder in the manufacture of shell molds. L. D. Smolova, P. G. Vinnichenko, K. M. Gurych. Lit. proizv. no. 5:37-38 My '62.

SHELL MOLDING (FOUNDING)—EQUIPMENT AND SUPPLIES

Fully mechanized sector for the manufacture of shell molds. V. I. A. Solodov. Lit. proizv. no. 2:43 F '63. Reducing the amount of hard work involved in the manufacture of equipment for shell molding. I. P. Fominykh, L. A. Zhuravleva. Lit. proizv. no. 5:44-45 My '62.

SHELL ROOFS see Roofs, Shell

SHESTAKOV, SEMEN ALEKSANDROVICH, 1898-1943

Ganetski, M. G. [Over three continents] Cherez tri kontinenta. [Kishinev] Kartia moldoveniaske, 1961. 125 p.

SHEVCHENKO, TARAS, 1814-1861

Gavril Spiridonovich's disillusionment. Dmitro Kravitskiy. Volov. atelst. 3 no. 3:43-46 Mr '63.

Living heritage. L. Z. Moroz. Rad. lit. 7 no. 1:88-104 Ja-F '63.

Pil'huk, I. I. [Traditions of T. H. Shevchenko in Ukrainian literature; the prerevolutionary period] Traditsii T. H. Shevchenka v ukrainskii literaturi; dobovnaevyi period. Kyiv, Darzh. vyd-vo khudozh. lit-ry, 1963. 293 p.

"T. H. Shevchenko and the Russian Revolutionary Democrats" by E. S. Shabliovskii. Reviewed by N. Ushmanov. Sov. Ukr. 12 no. 12:181-182 D '62.

Unknown letters written to Shevchenko (to be continued). E. Doroshenko. Sov. Ukr. 12 no. 11:145-153 N '62.

SHIELDING (RADIATION)

Beta bremsstrahlung and exposure shielding. V. S. Elishev. Atom. energ. 14 no. 4:405-407 Ap '63.

Contribution of the radiation resulting from multiple scattering in a volume source to the radiation dose behind the shielding. D. P. Osanov. Vop. doz. i zashch. ot izluch. no. 1:46-52 '62.

Dosimetric distribution of fission neutrons in certain protective media. E. A. Kramer-Ageev, V. P. Maehkovich. Vop. doz. i zashch. ot izluch. no. 1:57-65 '62.

Effect of channels in the shielding on the attenuation of γ -radiation from extended sources. A. V. Larichev, V. P. Levchenko, D. P. Osanov. Vop. doz. i zashch. ot izluch. no. 1:66-73 '62.

Use of point and disk-shaped monodirectional sources in studying the protective properties of materials. V. P. Maehkovich. Vop. doz. i zashch. ot izluch. no. 1:24-32 '62.

SHILLING, PAVEL L'VOVICH, 1786-1837

Iarotski, A. V. Pavel L'vovich Shilling, 1786-1837. Moskva, Izd-vo Akad. nauk SSSR, 1963. 182 p. (Akademiia nauk SSSR. Nauchno-biograficheskaiia serlia)

SHIP HANDLING

Butanov, A. V., comp. [Captain's notebook with pertinent data] Pamiatnaia knizhka kapitana. Red. M. A. Sutyrlin. Moskva, Izd-vo "Tekhnol. transport," 1962. 310 p.

SHIP MODELS

Change in the classification of ship models. A. Trishin. Voen. znau. 39 no. 2:33 F '63.

Pavlov, A. N. [Making ship models] Postroika modelei sudov. Moskva, Izd-vo DOSAAF, 1962. 40 p. (Biblioteka lunogo konstruktora)

SHIP PROPULSION

Investigating the propulsive and maneuvering qualities of the "Volgoles" lumber carrier. V. B. Lips, G. V. Vilenkii. Inform. sbor. TSNIMF no. 75. Tekh. ekspl. mor. flota no. 14:34-48 '62.

Propulsive and maneuvering trials of the motorship "Kirghizstan." IU. I. Fomenko. Inform. sbor. TSNIMF no. 75. Tekh. ekspl. mor. flota no. 14:20-33 '62.

Propulsive and maneuvering trials of the passenger motorship "Grigorii Ordzhonikidze." IU. I. Fomenko, G. A. Alchudzhan. Inform. sbor. TSNIMF no. 75. Tekh. ekspl. mor. flota no. 14:3-19 '62.

Use of water-jet propellers in foreign countries (from foreign journals). M. F. Khramkin. Sudostroenie 20 no. 1:78-81 Ja '63.

SHIP REGISTERS

New documents and publications on standards of the U.S.S.R. Register. D. Eidel'man. Mor. flot 23 no. 3: 30-40 Mr '63.

SHIP RESISTANCE

Conditions of establishing the rated characteristics of external forces in the probability estimates of the general strength of a ship's hull. N. V. Chetyrkin. Trudy TSNIMF no. 41:23-42 '62.

Model for determining ship resistance. N. S. Aben'kin. Sbor. izobr. v ryb. prom. za 1959 g. 109-110.

Selecting an estimated wave height. A. I. Maksimadzh. Trudy TSNIMF no. 41:81-91 '62.

SHIP TRIALS

Investigating the propulsive and maneuvering qualities of the "Volgoles" lumber carrier. V. B. Lips, G. V. Vilenkii. Inform. sbor. TSNIMF no. 75. Tekh. ekspl. mor. flota no. 14:34-48 '62.

Propulsive and maneuvering trials of the passenger motorship "Grigorii Ordzhonikidze." IU. I. Fomenko, G. A. Alchudzhan. Inform. sbor. TSNIMF no. 75. Tekh. ekspl. mor. flota no. 14:3-19 '62.

Propulsive speed trials of the motorship "Geokchai" equipped with a controllable pitch propeller. S. N. Ivanov. Inform. sbor. TSNIMF no. 75. Tekh. ekspl. mor. flota no. 14:40-65 '62.

Stress relief equipment for screw propellers in testing ship power units for mooring. I. I. Bormotov. Sbor. izobr. v ryb. prom. za 1959 g. 114-115.

Using statistical methods in evaluating the general strength of a ship by the results of a trial. D. V. Kondrikov, N. V. Chetyrkin. Trudy TSNIMF no. 41: 3-33 '62.

SHIPBUILDING

(see also subdivision under France; Leningrad; Leningrad Economic region; Nikolayev; Rostock, Germany; Warnemuende, Germany)

From experience acquired in the building of the tank vessel "Sofia." Sudostroenie 20 no. 1:76-77 Ja '63.

Greater use of advantages derived from standardization in shipbuilding. E. P. Pokhvalov. Sudostroenie 20 no. 1:58-61 Ja '63.

Objectives of the Russian shipbuilding industry. S. Butoma. Sudostroenie 20 no. 1:1-2 Ja '63.

SHIPBUILDING—BIBLIOGRAPHY see Bibliography—Shipbuilding

SHIPBUILDING—STANDARDS

New documents and publications on standards of the U.S.S.R. Register. D. Eidel'man. Mor. flot 23 no. 3: 39-40 Mr '63.

SHIPBUILDING—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Bakuysk)

In the lower organization of the Scientific Technological Society for Water Transportation. Bial. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:108 '62.

SHIPBUILDING MATERIALS

Breakdown of the steamship "Kaluga." A. S. Briker. Inform. sbor. TSNIMF no. 75. Tekh. ekspl. mor. flota no. 14:96-102 '62.

Plastic and synthetic materials used in shipbuilding in the German Democratic Republic. V. M. Bakharev. Bial. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:114-118 '62.

SHIPPING—ABSTRACTS

[Water transportation] Ref. zhur. i Vod. transp. nos. 3-4 Mr-Ap '63. Avtorskii ukazatel' za '62 g.

SHIPPING—STATISTICS

Shipping in the third year of the seven-year plan. Bial. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5: 3-23 '62.

SHIPS

"Professor Korichev." N. Kozlov. Kul't. i zhizn' 6 no. 8:22 '62.

SHIPS—CARGO

Correction table for deadweights determined by the cargo scale with considerable trim. V. Kostenich. Mor. flot 23 no. 3:25-26 Mr '63.

SHIPS—ELECTRONIC EQUIPMENT

Artamonov, V. M. [Electronic and automatic control on ships and in airborne radar systems] Elektroavtomatika sudovykh i samoletnykh radiolokatsionnykh stantsii. Leningrad, Sudpromgiz, 1962. 362 p.

SHIPS—EQUIPMENT AND SUPPLIES

Conference on the supplies of materials and equipment. Bial. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:23-27 '62.

SHIPS—HEATING AND VENTILATION

Tsirel'son, S. A., and M. A. Razran. [Livability on board ships] Obitnemoi' sudov. Leningrad, Sudpromgiz, 1963. 266 p.

SHIPS—HYDRODYNAMICS

Using statistical methods in evaluating the general strength of a ship by the results of a trial. D. V. Kondrikov, N. V. Chetyrkin. Trudy TSNIMF no. 41:3-33 '62.

SHIPS—MAINTENANCE AND REPAIR

Considering the technology of future repairs at the time of a ship's planning. S. Golubev, A. Dubakin. Mor. flot 23 no. 3:34-35 Mr '63.

Efficiency promoters from the fishing fleet. A. S. Filimonov. Bial. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:100-113 '62.

Providing for the stability of ships being modernized and re-equipped. A. A. Gundobin. Sudostroenie 20 no. 1: 82-84 Ja '63.

Vasil'ev, D. K. [Equipment and devices in ship repairs] Osnastka i prispособleniia v sudoremonte. Leningrad, Sudpromgiz, 1963. 196 p.

- SHIPS—PAINTING**
Protective and decorative golden lacquers and their use on ships. IU. K. Matasov. Sudostroenie 29 no.1:66-68 Ja '63.
- SHIPS—PATENTS**
Review of foreign patents. Sudostroenie 29 no.1:77 Ja '63.
- SHIPS—SPEED**
Propulsive speed trials of the motorship "Geokchal" equipped with a controllable pitch propeller. S. N. Ivanov. Inform. sbor. TSNIIMF no. 75. Tekh. ekspl. mor. flota no.14:49-65 '62.
- SHIPS—TRANSMISSION DEVICES**
Complex hydraulic gear drive. G. M. Khurshudian, M. V. Smirnov. Sbor. izobr. v ryb. prom. za 1959 g. 121-125.
- SHIPWRECKS**
Causes for the breakdown of river craft. N. V. Chetyrkin. Inform. sbor. TSNIIMF no. 75. Tekh. ekspl. mor. flota no.14:66-76 '62.
- SHIPYARDS—EQUIPMENT AND SUPPLIES**
Conference on the supplies of materials and equipment. Biul. tekhn. ekon. inform. Tekh. upr. Min. mor. flota 7 no.5:23-27 '62.
- SHIPYARDS—TECHNOLOGICAL INNOVATIONS**
Competition-review at the Kanonerskii plant. Biul. tekhn. ekon. inform. Tekh. upr. Min. mor. flota 7 no.5:85-87 '62.
- SHIRIAEVA, GALINA**
"The man Ivan Chizhikov, or a tale of a girl from a legend" by Galina Shiriaeva. Reviewed by V. Sokolov. V mire knig 3 no.3:27 Mr '63.
- SHIRTS, MEN'S** see subdivision under Leningrad
- SHIRVANZADE, pseud.** see Novsesian, Aleksandr Minasovich, 1858-1935
- SHISHKIN, IVAN IVANOVICH, 1832-1898**
Kruglova, O. V. Ivan Ivanovich Shishkin. Moskva, Izobrazh., 1982. [12] p. portr., 32 plates. (Masters russkogo iskusstva) (MH)
- SHKLIAREVSKII, IGOR'**
"I'm going"; verse by Igor' Shkliarevskii. Reviewed by Stanislav Kuniav. Znamia 33 no.3:218-219 Mr '63.
- SHOCK (MECHANICS)**
Study of the impact compressibility of titanium, molybdenum, tantalum, and iron. K. K. Krupnikov and others. Dokl. AN SSSR 148 no.6:1302-1305 F '63.
- SHOCK ABSORBERS**
Device for clamping main shock struts. V. Onipko. Av. i kosm. 45 no.3:84 Mr '63.
- SHOCK WAVES**
Determining the shape and parameters of a shock wave front produced by explosion in a nonhomogeneous medium. V. P. Korobeinikov, V. P. Karlikov. Dokl. AN SSSR 148 no.6:1271-1274 F '63.
Ignition of methane mixtures by shock waves. A. A. Borisov, S. M. Kogarko, A. V. Likhimov. Dokl. AN SSSR 149 no.4:869-871 Ap '63.
- SHOE INDUSTRY**
(see also subdivision under Magnitogorsk; Moldavia; Moscow; Ukraine)
Results and prospects of the operations of the shoe industry. T. P. Zavalova. Kozh. -buv. prom. 5 no.3:1-3 Mr '63.
- SHOE MACHINERY**
Using polyamide coatings to increase the wear resistance of machine parts subjected to friction. G. A. Bobrovnikov, M. M. Bolliyl. Izv. vys. ucheb. zav. ; tekhn. leg. prom. no.1:183-191 '63.
- SHOE MANUFACTURE**
Designing patterns for flat and semiflat shoe uppers according to a stiff sheathing. V. L. Raitskas, IU. O. Zybin. Izv. vys. ucheb. zav. ; tekhn. leg. prom. no.1:137-150 '63.
New method for designing pump uppers. F. V. Peshkov. Kozh. -obuv. prom. 5 no.3:30-34 Mr '63.
Plotting the theoretical development of the side surface of the last by means of stiff sheathing. V. L. Raitskas, IU. O. Zybin. Izv. vys. ucheb. zav. ; tekhn. leg. prom. no.1:126-138 '63.
Stiffness in bending of the footwear manufactured by the insem method. V. N. Tsvetkov, O. P. Sychenkova. Izv. vys. ucheb. zav. ; tekhn. leg. prom. no.1:115-125 '63.
Strength of the vamp of footwear. A. M. Afanas'ev, E. M. Ostrovitianov. Izv. vys. ucheb. zav. ; tekhn. leg. prom. no.1:108-114 '63.
- SHOLOKHOV, MIKHAIL ALEKSANDROVICH, 1906-**
"School of courage; on M. Sholokhov's 'Virgin land' returned." by M. Shkerin. Reviewed by IU. Loshchits. V mire knig 3 no.3:33 Mr '63.
Sholokhov reads Sholokhov. Vasilii Grishaev. V mire knig no.2:44-45 F '63.
- SHOOTING CONTESTS**
Music of a shot. V. Pashinin. Smena 30 no.22:30 N '62.
- SHORE PROTECTION** see subdivision under Kakhovka Reservoir
- SHOTMAN, ALEKSANDR VASIL'EVICH, 1880-1939**
Bondarevskii, T. P. A. V. Shotman. Moskva, Gospolitizdat, 1963. 47 p.
With Lenin across the border. A. V. Belova, M. G. Roshal'. Ogonek 41 no.4:8 Ja '63.
- SHOULDER JOINT—DISLOCATION**
Surgical treatment in habitual dislocation of the shoulder joint. M. K. Khadzhi-Muradov. Zdrav. Turk. 6 no.6:32-34 N-D '62.
- SHOW WINDOWS**
Golden ear in a show window. A. Kozlov. Sov. torg. 36 no.3:55-58 Mr '63.
- SIBERIA**
Siberia is a mighty land. Sov. pech. no.2:30 F '63.
- SIBERIA—AGRICULTURE—EXPERIMENTATION**
Her year. Nikolai Bykov. Ogonek 41 no.9:4-5 F '63.
- SIBERIA—BOOKSELLERS AND BOOKSELLING**
First bookstore in Siberia. E. Fal'dman. Sov. knizh. torg. 14 no.2:44-45 F '63.
- SIBERIA—BUILDING—COLD WEATHER CONDITIONS**
Causes for the collapse of the elements of industrial buildings under the conditions of a Siberian winter. I. A. S. Levenson. Prom. stroit. 41 no.2:24-28 F '63.
- SIBERIA—ECONOMIC RESEARCH**
Current problems in the economics of the eastern regions of the U.S.S.R. P. Potemkin. Vop. ekon. no.2:158-160 F '63.
- SIBERIA—EDUCATION**
Akademiia nauk SSSR. Sibirskoe otdeleniye. [Siberia during the building of socialism and the transition to communism] Sibir' v period stroitel'stva sotsializma i perekhoda k kommunizmu. Novosibirsk. No. 1. [Cultural development of Siberia from 1917 to 1960] Kul'turnoe stroitel'stvo v Sibiri v 1917-1960 g.g. 1962. 237 p.
- SIBERIA—FOLKLORE STUDIES**
Ulan-Ude. Buriatskii kompleksnyi nauchno-issledovatel'skii institut. [Basic problems in the study of poetic works of Siberian and Far Eastern peoples] Osnovnye problemy izucheniia poeticheskogo tvorchestva narodov Sibiri i Dal'nego Vostoka; doklady, soobshcheniia i vystupleniia uchastnikov konferentsii po izucheniiu poeticheskogo tvorchestva narodov Sibiri i Dal'nego Vostoka 14-19 dekabria 1959 g. Ulan-Ude, 1961. 175 p.
- SIBERIA—FORESTS AND FORESTRY**
Krylov, G. V. [Forest resources and forest-type zones of Siberia and the Far East] Lesnye resursy i lesnostitel'noe raionirovanie Sibiri i Dal'nego Vostoka. Otv. red. K. A. Bobolevskaia. Novosibirsk, Izd-vo Sibirskogo otd-nia AN SSSR, 1962. 239 p. (DNAL)
- SIBERIA—GEOCHEMICAL PROSPECTING**
Plan of the regionalization of Siberia for purposes of hydrogeological prospecting for ore deposits. P. A. Udodov, M. M. Rasskazov, S. L. Shvartsev. Geol. i geofiz. no.11:95-97 '62.
- SIBERIA—GEOLOGY, STRATIGRAPHIC**
Volume and age of the Cambrian Meteger series of the Berezovo and Angara-Lena troughs. Nauch. soob. IAFAN SSSR no.7:79-85 '62.
- SIBERIA—ICE ON RIVERS, LAKES, ETC.**
Some recommendations on the control of ground ice and sludge ice at intakes in Siberia. N. S. Makarov. Izv. vys. ucheb. zav. ; stroit. i arkh. 6 no.1:90-101 '63.
- SIBERIA—KIMBERLITE**
Interrelationships of kimberlite pipes and their veins. I. T. Kozlov. Nauch. soob. IAFAN SSSR no.2:35-39 '59.
- SIBERIA—ORE DEPOSITS**
Plan of the regionalization of Siberia for purposes of hydrogeological prospecting for ore deposits. P. A. Udodov, M. M. Rasskazov, S. L. Shvartsev. Geol. i geofiz. no.11:95-97 '62.
- SIBERIA—PALEOGEOGRAPHY—MAPS**
Third Interdepartmental Coordination Conference on Compiling Lithopaleogeographic Maps of Siberia. A. S. Aladyskin, V. P. Kazarinov, S. P. Mikutskii. Geol. i geofiz. no.12:118-120 '62.
- SIBERIA—PROSPECTING**
Difficult meters. V. Krukovskii. Ogonek 41 no.11:16 Mr '63.
- SIBERIA—RADIOACTIVE PROSPECTING**
Using radiometric methods to solve general geological problems under Siberian conditions. L. T. Mishin, U. I. Moiseenko. Sbor. st. MGION no.1:18-21 '62.
- SIBERIA—RAILROADS**
Southern Siberian Railroad marches into Tayshet. V. Smetanin. Vokrug sveta no.2:26-30 F '63.
- SIBERIA—RESEARCH**
In the Siberian Branch. Vest. AN SSSR 33 no.3:73-74 Mr '63.
- SIBERIA—ROCKS, SEDIMENTARY—MAGNETIC PROPERTIES**
Paleomagnetic studies of Paleozoic sedimentary rocks in Siberia. A. V. Popova. Izv. AN SSSR. Ser. geol. i geofiz. no.3:444-450 Mr '63.
- SIBERIA—SCIENTIFIC EXPEDITIONS**
Taiga chronicle. O. Bagatkov. Vokrug sveta no.2:11 F '63.
- SIBERIA—TRACE ELEMENTS**
Radiometric methods in prospecting for rare metal carbonatite deposits in Siberia. L. B. Zubkov, V. N. Kniasev. Sbor. st. MGION no.1:65-77 '62.
- SIBERIA, EASTERN—LUMBERING—ECONOMIC ASPECTS**
Reshetov, A. V. [Generalization of work practices in lumbering enterprises with a high total output in Eastern Siberia] Obobshcheniye opyta raboty lesorazgovitel'nykh predpriatii s vysokoi kompleksnoi vyrobotoi v Vostochnoi Sibiri. Moskva, Goslesbuntizdat, 1962. 55 p. (Nastoiashche vnedrit' poredok opyta v proizvodstvo)
- SIBERIA, WESTERN—GEOLOGY, STRUCTURAL**
Structures of the second stage in Western Siberia and some problems of the geotectonic regionalization of this territory in the light of geological and geophysical data. I. K. Tuzov. Trudy SNGGIMS no.24:94-125 '62.
- SIBERIA, WESTERN—LUMBERING**
A new forest industry base of the country. V. G. Dotsal. Les. prom. 41 no.1:23-25 Jan '63.
- SIBERIA, WESTERN—ORTHOPTERA**
Orthoptera (Tettigonidae and Acrididae) as stimulants of the microbiological processes of decay and mineralization of vegetative matter in the meadow steppes of Western Siberia [with summary in English]. I. V. Stetsko, A. B. Gukasian. Zool. zhur. 42 no.2:216-221 '63.
- SIBERIA, WESTERN—SOIL FORMATION**
Orthoptera (Tettigonidae and Acrididae) as stimulants of the microbiological processes of decay and mineralization of vegetative matter in the meadow steppes of Western Siberia [with summary in English]. I. V. Stetsko, A. B. Gukasian. Zool. zhur. 42 no.2:216-221 '63.
- SIBERIAN PLATFORM—BRACHIOPODA, FOSSIL**
Krylova, A. K. [Stratigraphy and Brachiozoa of the Devonian of the Siberian Platform] Stratigrafiia i brachiopody devona Sibirskoi platformy. Leningrad, Gosplekhnizdat, 1962. 107 p. (Leningrad. Vsesoiuznyi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.200)
- SIBERIAN PLATFORM—GEOLOGY, STRATIGRAPHIC**
Krylova, A. K. [Stratigraphy and Brachiozoa of the Devonian of the Siberian Platform] Stratigrafiia i brachiopody devona Sibirskoi platformy. Leningrad, Gosplekhnizdat, 1962. 107 p. (Leningrad. Vsesoiuznyi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.200)
- Stratigraphy of the Lower Carboniferous deposits of the Siberian Platform. N. N. Lapina. Dokl. AN SSSR 149 no.6:1168-1171 F '63.
- SIBERIAN PLATFORM—KIMBERLITE**
Composition and age interrelationship of the "Eglerite" kimberlite pipe and vein. E. V. Frantsesson. Nauch. soob. IAFAN SSSR no.7:99-106 '62.
- SIBERIAN PLATFORM—MINES AND MINERAL RESOURCES**
Main epochs of the formation of minerals in the Siberian Platform [with summary in English]. M. M. Odintsov. Geol. i geofiz. no.11:3-13 '62.
- SIBERIAN PLATFORM—PHYTOPLANKTON, FOSSIL**
Ordovician and Silurian phytoplankton of the Siberian Platform. B. V. Timofeev. Dokl. AN SSSR 149 no.2:390-402 Mr '63.
- SIBERIAN PLATFORM—ROCKS, IGNEOUS**
Ancient weathering surface of traps in the northeastern part of the Siberian Platform. E. A. Kudanova. Nauch. soob. IAFAN SSSR no.3:18-25 '60.
- SIBERIAN PLATFORM—WEATHERING**
Ancient weathering surface of traps in the northeastern part of the Siberian Platform. E. A. Kudanova. Nauch. soob. IAFAN SSSR no.3:18-25 '60.
- SICK LEAVE**
Replies to our readers. Sov. profsoyuzy 10 no.6:30-31 Mr '63.

SIGHT SINGING

Alekseev, B. K. [Harmonic solfeggio; textbook on ear training] *Garmonicheskoe sol'fedzhio; posobie po slukhovomu analizu*. Moskva, Muzgiz, 1962, 122 p.

SIGNS AND SYMBOLS

Antiscientific nature of the pragmatist interpretation of signs, conceptions, and visual objects. L. O. Reznikov, *Nauch. dokl. vys. shkoly; filos. nauki* 6 no. 1:74-82 '63.

SILANE

Direct synthesis of ethylchlorosilanes. R. A. Turetskaya and others. *Khim. prom.* no. 1:18-20 Ja '63.

Structure of the reaction products of trialkylhalosilanes with sodium diethyl phosphite. E. A. Chernyshev, E. F. Bugerenko. *Izv. AN SSSR, Otd. khim. nauk* no. 4:769-770 Ap '63.

Synthesis of organo-(2-chloroethoxy) silanes. V. B. Losev, G. E. Fridman. *Zhur. ob. khim.* 33 no. 3:905-906 Ms '63.

SILICA

Equilibrium line between the coesite and the rutile-like modification of silicon dioxide. S. M. Stishov. *Dokl. AN SSSR* 148 no. 5:1186-1188 F '63.

SILICATES

General characteristics of water solubility in silicate melts. I. A. Ostrovskii, *Geol. rud. mestorozh.* 5 no. 1:34-35 Ja-F '63.

Silicates and oxides in high-temperature chemistry; a conference in Leningrad. N. A. Toropov, V. B. Glushkova. *Vest. AN SSSR* 33 no. 3:134-135 Mr '63.

SILICATES—ANALYSIS

(see also subdivision under Kerch Peninsula)

Fabrikova, E. A. [Flame photometry in the determination of alkali metals in silicate rocks and minerals] *Plamennofotometricheskoe opredeleniye shchelochnykh metallov v silikatnykh porodakh i mineralakh*. Moskva, 1960, 20 p. (Akademiya nauk SSSR, Institut mineralogi i geokhimi i kristalloghimi redkikh elementov, Metodicheskie materialy, no. 3)

SILICATES—THERMODYNAMIC PROPERTIES

Babushkin, V. I., G. M. Matveev, and O. P. Mehedlov-Petroglan. [Thermodynamics of silicates] *Termodynamika silikatov*. Pod obshchei red. O. P. Mehedlova-Petroglana. Moskva, Gosstroizdat, 1962, 265 p.

SILICIDES—ELECTRIC PROPERTIES

Electric and thermoelectric properties of the silicides of certain transition metals. V. S. Neshpor, G. V. Samsonov. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo* no. 1:147-151 Ja-F '63.

SILICON

Distribution of silicon in the structural components of cast iron. A. I. Aisenko, N. G. Osada. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo* no. 1:121-128 Ja-F '63.

Spectral determination of impurities in semiconductor silicon after a preliminary chemical concentration [with summary in English]. I. V. Morachevskii and others. *Zhur. anal. khim.* 17 no. 5:614-620 Ag '62.

SILICON—ANALYSIS

Analyzing specimens in the determination of silicon an aluminum in products of the electrothermic production of fused silicon and aluminum. A. I. Kapustina. *Trudy Vost.-Sib. fil. AN SSSR* no. 43:87-90 '62.

Heteroorganic analysis by the "wet combustion" method. Report No. 6: Determination of phosphorus and silicon in silicon organophosphorus compounds [with summary in English]. B. M. Luskina, A. P. Terent'ev, S. V. Siavitskii. *Zhur. anal. khim.* 17 no. 5:639-641 Ag '62.

SILICON FLUORIDES

Partial equilibrium pressures of HF, SiF₄, and H₂O above aqueous solutions. V. V. Ilarionov, Z. G. Smirnova, K. P. Kniazeva. *Zhur. prikl. khim.* 36 no. 2:237-241 F '63.

SILICON-GOLD-SILVER ALLOYS see Gold-silver-silicon alloys

SILICON HYDRIDES

Addition of silicon hydrides to unsaturated compounds in the presence of nickel carbonyl. E. TS. Chukovskaya, R. Kh. Freidlina. *Izv. AN SSSR, Otd. khim. nauk* no. 4:761-763 Ap '63.

SILICON-NICKEL ALLOYS see Nickel-silicon alloys

SILICON ORGANIC COMPOUNDS

Catalytic dehydrogenation of silicon and germanium heterocycles (direct preparation of heteroorganic analogs of cyclopentane and cyclopentadiene). O. M. Nefedov, M. N. Manakov. *Izv. AN SSSR, Otd. khim. nauk* no. 4:760 Ap '63.

Condensation of α, ω -dihydroxymethylsiloxanes with 1,3-diacetoxy-1,3-dimethyl-1,3-diphenylsiloxane. K. A. Andrianov and others. *Izv. AN SSSR, Otd. khim. nauk* no. 4:651-654 Ap '63.

Dehydrochlorination of 1-phenyl-2-chlorosilyl-1,2-dichloroethane and 1-phenyl-1-trichlorosilyl-1,2-dichloroethane. V. F. Mironov, V. V. Nepomnina, L. A. Lettes. *Izv. AN SSSR, Otd. khim. nauk* no. 4:758-759 Ap '63.

Heteroorganic analysis by the "wet combustion" method. Report No. 6: Determination of phosphorus and silicon in silicon organophosphorus compounds [with summary in English]. B. M. Luskina, A. P. Terent'ev, S. V. Siavitskii. *Zhur. anal. khim.* 17 no. 5:639-641 Ag '62.

Kharkonov, N. P. [Heat, moisture and electric insulation coatings on a basis of organosilicon polymers and their use] *Termovlagoelektrozolozhatsionnye pokrytiya na osnove kremneorganicheskikh polimerov i ikh primeneniye; stenogramma lektsii*. Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1961, 36 p.

Nature of the pentamethyldisilyl group in organosilicon compounds. E. A. Chernyshev and others. *Izv. AN SSSR, Otd. khim. nauk* no. 4:660-666 Ap '63.

Polymers with inorganic chains of molecules. K. A. Andrianov, A. I. Petrashko, E. Z. Asnovich. *Khim. prom.* no. 1:7-18 Ja '63.

Some organosilicon compounds containing siloxano-carbon, silthiano-carbon, and silazano-carbon links. N. S. Nemetkin and others. *Izv. AN SSSR, Otd. khim. nauk* no. 4:654-659 Ap '63.

SILICOTUNGSTIC ACID

Tetrasubstituted lithium salt of silico-12-tungstic acid. E. Ia. Rode, N. A. Krotov. *Zhur. neorg. khim.* 8 no. 4:939-949 Ap '63.

SILK MANUFACTURE see subdivision under Moscow

SILUMIN

Inoculation of silumin in die casting. L. I. Tushinskii, K. I. Tushinskaya, L. G. Smolokova. *Lit. proizv.* no. 1:5-6 Ja '63.

SILVER—ANALYSIS

Amperometric determination of small quantities of thiourea and its use for the amperometric determination of silver [with summary in English]. V. I. Ginzburg, G. I. Viger. *Zhur. anal. khim.* 17 no. 5:631-635 Ag '62.

SILVER—THERAPEUTIC USE

Silver water and its use in pharmacy. I. F. Pitsyn. *Sov. zdrav. Kir.* no. 1:53-55 Ja-F '63.

SILVER FOX

Some characteristics of the growth of silver foxes in the postembryonal period. G. B. Mamaeva. *Nauch. soob. IAFAN SSSR* no. 2:68-72 '59.

SILVER FOX—FEEDING AND FEEDS see subdivision under Yakutia

SILVER-GOLD-SILICON ALLOYS see Gold-silver-silicon alloys

SILVER NITRATE

Reaction between silver nitrate and alkali metal ferrocyanides. I. V. Tananaev, S. I. Kachukhashvili. *Zhur. neorg. khim.* 7 no. 7:1516-1520 Ji '62.

SILVER PLATING

Fedor'ev, N. P., V. A. Il'in, and I. N. Chernozatonskaya. [Electrodeposition of silver from solutions of cyanide-free complex salts] *Elektroosazhdeniye srebra iz rastvorov netsianistnykh kompleksnykh solei*. Leningrad, 1962, 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, Obmon poredovoy opytom, Seriya: Zashchitnye pokrytiya, no. 8)

SILYL GROUP

Nature of the pentamethyldisilyl group in organosilicon compounds. E. A. Chernyshev and others. *Izv. AN SSSR, Otd. khim. nauk* no. 4:660-666 Ap '63.

SINASI, IBRAHIM, b. 1926

Ibrahim Sinasi and his play "Marriage of a poet." Kh. K. Khamilev. *Krat. soob. Inst. nar. Az.* no. 60:12-15 '62.

SINGING—INSTRUCTION AND STUDY

Iudin, S. P. [Voice development in singing] *Formirovaniye golosa pyitsa*. Pod obshchei red. E. N. Artem'ovoi. Moskva, Muzgiz, 1962, 160 p.

Ogorodnov, D. E., and T. V. Ogorodnova. [Music education in the boarding school] *Opyl muzykal'nogo yospitaniya v shkole-internate*. Leningrad, Uchpedgiz, 1962, 104 p.

SINTERING

Temperature range for the sintering of alkali aluminosilicate charge mixtures. E. I. Khazanov, A. F. Khtilina. *Trudy Vost.-Sib. fil. AN SSSR* no. 43:22-35 '62.

Vegman, E. F. [Sintering process] *Protsess aglomeratsii*. Moskva, Metallurgizdat, 1963, 151 p.

Viscous flow in the sintering process in presence of a liquid phase [with summary in English]. Bohuslav Čech, *Porosh. met.* 3 no. 1:112-110 Ja-F '63.

SINTERING—MODELS

Laboratory equipment for modeling the sintering process of alumina-bearing charge mixtures. E. I. Khazanov, A. S. Galkov. *Trudy Vost.-Sib. fil. AN SSSR* no. 43:55-58 '62.

SINTERING—TESTING

Distribution of water-soluble alkalies in sinter cakes of nepheline-sodium-calcium charge mixtures. A. S. Galkov, E. I. Khazanov, E. M. Shishliannikova. *Trudy Vost.-Sib. fil. AN SSSR* no. 43:59-62 '62.

SINUSITIS

Microflora of the nasal cavity and Highmore sinuses in chronic serous inflammation of the latter [with summary in English]. V. M. Sokolov. *Vest. otorin.* no. 4:68-71 '62.

SIVERKA (RYAZAN PROVINCE)—COLLECTIVE FARMS

There is a village called Siverka. N. Bykov. *Ogonek* 41 no. 10:16 Mr '63.

SKADOVSK—CITY PLANNING

Modernization of a small city. P. Sitnitskii, K. Sidorov. *Stroi. i arkh.* 10 no. 7:7-8 Ji '62.

SKATING

Exercises with crossbar during the training period of a speed skater. V. G. Polovtsev, I. V. Mazyrin. *Teor. i prak. fiz. kul't.* 26 no. 2:67-68 F '63.

Five minute duel. A. Shelukhin. *Ogonek* 41 no. 6:7 F '63.

Frost and skates. A. Salutskii. *Ogonek* 41 no. 3:30-31 Ja '63.

SKIN—CANCER

Use of fluorescence microscopy in the diagnosis of skin cancer. V. Kh. Anestadi. *Trudy Kish. gos. med. inst.* 13:41-45 '60.

SKIN—DISEASES

(see also subdivision under Kirghizistan)

Cutaneous manifestations of rheumatic fever in adults [with summary in English]. Z. S. Kuleshova. *Vop. revm.* 1 no. 4:57-67 O-D '61.

Golosovker, S. Ia. [Skin and venereal diseases in children] *Kozhnye i venericheskie bolezni u detei*. Leningrad, Medgiz, 1963, 242 p. (DNLM)

SKIN EFFECT

Anomalous penetration of an electromagnetic field into a metal [with summary in English]. E. A. Kaner, Zhur. eksp. i teor. fiz. 44 no. 3:1036-1040 Mr '63.

"Static skin effect" for currents in a high magnetic field and the resistance of metals [with summary in English]. M. Ia. Azbel'. *Zhur. eksp. i teor. fiz.* 44 no. 3:983-998 Mr '63.

SKIN GRAFTING

Endaural tympanoplasty in chronic suppurative otitis media. P. V. Kastorskii. *Vest. otorin.* no. 4:53-57 '62.

Results of free and fixed tympanoplasty after the type III of Wullstein with a columella effect [with summary in English]. N. V. Mishen'kin. *Vest. otorin.* no. 4:50-53 '62.

SKIS AND SKIING

Controversy of ski kings. Genrikh Gurkov. *Ogonek* 41 no. 9:30-31 F '63.

New bindings for skis. M. L. Popravko. *Teor. i prak. fiz. kul't.* 26 no. 2:43-44 F '63.

Ski run! V. Viktorov. *Ogonek* 41 no. 4:28-29 Ja '63.

Technique of turns on parallel skis; based on materials of the Congress of the International Association of Skiing. S. A. Bogachev, I. I. Kabin. *Teor. i prak. fiz. kul't.* 26 no. 2:61-63 F '63.

Typical mistakes in the tactics of racing skiers. V. F. Kozhokin. *Teor. i prak. fiz. kul't.* 26 no. 2:40-43 F '63.

SKOBEL'TSYN, DMITRII VLADIMIROVICH, 1892-

Akademii nauk SSSR, Dmitrii Vladimirovich Skobel'tsyn. *Vstup. stali'a S. N. Vernova, N. A. Dobortina i O. T. Zatselina*. Bibliografiya sost. T. O. Vreden-Kobetskoi. Moskva, 1962, 49 p. (Materialy bibliografiy uchenykh SSSR, Seriya fiziki, no. 15)

Noteworthy dates in science and technology. Shkola i proizv. 6 no. 11:95 N '62.

SKOMOROVSKII, RAFAIL SOLOMONOVICH, 1899-1962

In memory of R. S. Skomorovskii. *Sov. Ukr.* 12 no. 11:191 N '62.

SLAG

Akademii stroitel'stva i arkhitektury SSSR, Ural'skii filial, Chelyabinsk. [Metallurgical slags and their use in construction] *Metallurgicheskie shlaiki i primeneniye ikh v stroitel'stve*. Pod obshchei red. A. A. Marchenko. Moskva, Gosstroizdat, 1962, 545 p.

Changes in the phase composition of an alumina-kaolin charge mixture in the process of charge-resistance melting of fused silicon and aluminum. E. I. Khazanov, G. V. Kuz'mina, S. G. Dontsova. *Trudy Vost.-Sib. fil. AN SSSR* no. 43:77-81 '62.

Ferrotungsten recovery from waste slags with the help of electric currents. I. U. P. Nikitin, O. A. Esin, A. I. Sotnikov. *Izv. vys. ucheb. zav. i chern. met.* 6 no. 2:12-15 '63.

"Stall," not yet mentioned in the dictionaries. Georgii Blok. *Znanie-sila* 38 no. 1:4-8 Ja '63.

Structural thermal insulation blocks made with granulated fuel slag binding materials. I. A. Il'enko. *Izv. vys. ucheb. zav. i arkh.* 6 no. 1:95-98 '63.

- SLAG—ANALYSIS**
Chromium distribution between the metal and basic open-hearth slag. S. I. Sobkin. *Izv. vys. ucheb. zav. ; chern. met.* 6 no. 2:45-57 '63.
Effect of the slag and metal phase constitution on the steel desulfuration process by lime-alumina slag. M. L. Sazonov, A. G. Shalimov. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:33-40 Ja-F '63.
- SLAG—ELECTRIC PROPERTIES**
Viscosity and electric conductivity of melts in the system magnesium oxide - silicon - aluminum oxide. R. A. Lutikov, L. M. Tsylev. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:41-52 Ja-F '63.
- SLATE**
Profsoyuz rabochikh ugol'noi promyshlennosti. Tsentral'nyi komitet. [Work clothes for workers and employees in the enterprises of the coal and the slate industries] Spetsodezhda dlia rabochikh i sluzhashchikh predpriatii ugol'noi i slantsevoi promyshlennosti. Moskva, Gosgortekhzdat, 1963, 331 p.
- SLAUGHTERING AND SLAUGHTERHOUSES**
Studying the possibility of applying preslaughter adrenal treatment in the meat industry. V. V. Pal'min and others. *Izv. vys. ucheb. zav. ; pishch. tekhn.* no. 1:66-71 '63.
- SLAVERY** see subdivision under Arabia
- SLAVIC ANTIQUITIES** see subdivision under Bug Valley
- SLAVIC STUDIES**
(see also subdivision under Ukraine)
[Slavic archives; articles and materials] Slavianakii arkhiv; sbornik statei i materialov. Moskva, Izd-vo Akad. nauk SSSR, 1963, 307 p.
- SLAVS, EASTERN**
The term "Rus" (and derivatives) in early Russia and during the formation of eastern Slavic peoples and states. A. I. Hens'ors'kyl. *Dosl. i mat. z ukr. movy* 5:16-30 '62.
- SLEEP**
Difficulties in diagnosing pathological waking states. T. P. Pechernikova. *Prak. sudebnopsikh. ekspert.* no. 7:50-57 '62.
Noncontact method of causing sleep inhibition (pulsating hypogonic stimulant). A. S. Putlin, L. I. A. Babichev, L. P. Kernitskii. *Trudy Kish. gos. med. inst.* 13:23-26 '60.
- SLIDE RULE**
Formula for calculating the exact value of the results of multiplication and division on a slide rule. D. A. Soshin. *Sred. spets. obr.* 10 no. 2:47-49 F '63.
- SLOBODIANUK, SERHI**
"Steep path" by Serhi Slobodianuk. Reviewed by M. Medvedenko. *Sov. Ukr.* 13 no. 1:183-184 Ja '63.
- SLOVAKIA—HISTORY**
"Slovak history" [in Slovak]. Vol. 1. Reviewed by S. O. Vinlova. *Vop. ist.* 38 no. 3:170-172 Mr '63.
- SLUMS**
Slums are the lot of the workers. V. Skorokhodov. *Zhil.-kom. khoz.* 13 no. 3:30-31 Mr '63.
- SMALLPOX**
Gal'perin, E. A. [Clinical aspects of smallpox and vaccination reactions] Klinika ospy i privivochnykh reaktsii. Moskva, Medgiz, 1962, 167 p. (DNLM)
Serenko, A. F. [Epidemic outbreaks of smallpox] Zanosnye vspyski natural'noi ospy. Moskva, Medgiz, 1962, 118 p.
- SMELTING FURNACES**
Analysis of the conditions of thermal treatment of a crushed material in a cyclone smelting furnace. V. A. Emel'ianov, V. N. Kuz'min, A. D. Kiluchnikov. *Izv. vys. ucheb. zav. ; energ.* 6 no. 2:71-76 F '63.
New objectives and principal tasks in the field of industrial flame processes. N. A. Semenenko. *Izv. vys. ucheb. zav. ; energ.* 6 no. 2:49-55 F '63.
- SMOKEHOUSES**
Unit for electric smoking of meat and fish products. A. V. Dumanakii and others. *Sbor. izobr. v ryb. prom. za 1959 g.* :59-61.
- SMOLENSK—COMMUNITY CENTERS**
Champion of culture. N. Matveeva. *Klub* 12 no. 8:22 S '62.
- SMOLENSK PROVINCE—COMMUNIST YOUTH LEAGUE**
"Idle running." A. Morozov. *Komsom. zhizn'* no. 3:26 F '63.
- SMOLENSK PROVINCE—FARM MANAGEMENT**
Party guidance on collective and state farms. Part. *zhizn'* no. 7:40-41 Ap '63.
- SMOL'IANINOV, ALEKSANDR**
Conscience and anxiety. Lev Ginzburg. *Ogonek* 41 no. 2:24 Ja '63.
- SMOLIN, ALEKSANDR**
Frontier veteran. N. Grigor'ev. *Voen. znan.* 39 no. 2:35 F '63.
- SNAKES** see subdivision under Baikal Lake region
- SNOW**
(see also subdivision under Archada-Don Sand region; Moscow region; Novaya Zemlya)
Calculating the evaporation from the surface of snow cover using the diffusion method. L. S. Chotorlishvili. *Inform. sbor. o rab. Geog. fak. Mosk. gos. univ. po Mezhdunar. geofiz. godu* no. 5:195-203 '60.
Penetration of solar radiation into the snow cover. I. K. Rodichev. *Mat. k ucheb. o merz. zon. zem. kory* no. 8:44-52 '62.
- SNOW REMOVAL—EQUIPMENT AND SUPPLIES**
Automatic device for making pile. V. Shcherbak. *Zhil.-kom. khoz.* 13 no. 3:15 Mr '63.
- SNOWPLOWS**
Karaban, G. L. [Snow removal machines] Shnegoborochnye mashiny. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962, 122 p.
- SOAKING PITS** see Furnaces, Heating
- SOAP**
Continuous carbonate saponification of fatty acids in counter-current nonpacked columns. N. P. Ikhnov. *Izv. vys. ucheb. zav. ; pishch. tekhn.* no. 1:80-92 '63.
- SOCCER**
Completely honest. Igor' Netto. *Ogonek* 41 no. 1:25 Ja '63.
Good finish! M. Aleksandrov. *Ogonek* 40 no. 48:20 N '62.
Makarov, O. O. [Goalkeeper; notes of an athlete] Vorotar; zapyski sportsmena. Kiy, Radiants'kyl pismennyyk, 1962, 366 p.
The Rubicon is crossed! I. V. Van'at. *Ogonek* 40 no. 20:26-27 My '62.
Spart of "Spartak." Lev Kassil'. *Ogonek* 40 no. 48:28-29 N '62.
- SOCCER—REFEREEING**
Gesture of a referee. Smena 39 no. 10:20-21 O '62.
- SOCHI—CAVES**
Exploration work in the Khostinka caves in 1961. I. I. Korobkov. *Krat. soob. Inst. arkh. i etn.* no. 02:44-50 '62.
- SOCHI—HEALTH RESORTS, WATERING PLACES, ETC.**
Let's treat them with understanding! S. F. Medunov. *Ogonek* 40 no. 50:16-17 D '62.
- SOCHI—NEWSPAPER AND PERIODICAL CIRCULATION**
Don't repeat mistakes in service to vacationers. S. Privoznov. *Raspr. pech.* no. 3:21 Mr '63.
- SOCIAL GROUP WORK**
Let's meet at eight at the monument... Valerii Boltromeuk. *Komsom. zhizn'* no. 3:20-23 F '63.
- SOCIAL HYGIENE** see Public health
- SOCIAL PROBLEMS**
(see also subdivision under Leningrad)
Actually and legally. A. Vaksberg. *Sem'ia i shkola* 18 no. 3:28-29 Mr '63.
We should ensure the proper implementation of Soviet laws on the struggle against loafers. V. Vakulenko. *Sov. iust.* no. 4:8-11 F '63.
- SOCIAL PSYCHOLOGY**
Social psychology as a sociological category [with summary in English]. B. D. Parygin. *Vest. LGU* 18 no. 5:129-132 '63.
- SOCIAL SCIENCES—AUDIO-VISUAL AIDS**
Lenin's voice in a student auditorium. V. V. Sitnikov. *Vest. vys. shkoly* 21 no. 4:60-63 Ap '63.
- SOCIAL SCIENCES—BIBLIOGRAPHY** see Bibliography—Social sciences
- SOCIAL SCIENCES—STUDY AND TEACHING**
Accumulating experience in teaching social sciences. N. B. Agranovich, G. D. Podobulkin. *Sred. spets. obr.* 10 no. 2:26-33 F '63.
Capitalism as the last exploitative system; from capitalism to socialism. I. L. Shapiro. *Sred. spets. obr.* 10 no. 3:48-53 Mr '63.
Forms and methods of teaching the course "Social Science." P. L. Ukhov's'ka, K. P. Rushkova'kyl. *Rad. shk.* 41 no. 1:24-28 Ja '63.
Inter-subject connections in social science classes. B. I. Rabiner, P. P. Iarovyi. *Rad. shk.* 41 no. 2:13-16 F '63.
Recommended plan of social science classwork. *Ukr. ist. zhur.* 6 no. 1:114-117 Ja-F '63.
Social science classes in secondary schools. I. M. Skrypkin. *Ukr. ist. zhur.* 6 no. 1:111-114 Ja-F '63.
Social science course as a new important means of student training. *Sov. pedagog.* 27 no. 2:3-9 F '63.
- Studying the topic "The Communist Party is a governing and directing force of Soviet society" in the social science course. O. M. Lashnykov. *Rad. shk.* 41 no. 2:3-13 F '63.
We are gathering experience in the teaching of social sciences. E. F. Shabanov, G. Vechkanov. *Sred. spets. obr.* 10 no. 3:44-47 Mr '63.
- SOCIALIST COMPETITION**
(see also subdivision under Germany, East)
Communist labor brigades in printing enterprises. V. Zaslans'kyl. *Ekon. Rad. Ukr.* no. 1:111-114 Ja-F '63.
The communist labor movement. *Den. i kred.* 21 no. 3:31-34 Mr '63.
Cooperators, increase the scope of socialist competition! *Sov. potreb. koop.* 7 no. 4:8-9 Ap '63.
Develop the competition for communist labor more efficiently. A. E. Srguev. *Mashinostroitel'* no. 2:2-4 F '63.
Director's office and duty. I. Bol'shakov. *Sov. profsoyuz* 19 no. 8:6-7 Mr '63.
Eyes on the future. Ruta Zlekyte. *Sov. Soizuz* no. 1:18-23 '63.
Korolov, I. I. [Communists are the organizers of competition] Kommunisty - organizatory sorovnovaniia. [Leningrad] Lentsdat, 1962, 50 p. (Biblioteka sekretaria partinnoi organizatsii) (CSU-II)
Merkur'ov, G. S., and E. I. Savost'ianov. [Brigades and the shock workers of communist labor] Brigady i udarniki kommunisticheskogo truda. Moskva, Ucheptd-giz, 1962, 123 p.
The 1962 work results and our pledge. I. Khakhelia. *Den. i kred.* 21 no. 3:35-38 Mr '63.
They worked well. *Zhil.-kom. khoz.* 13 no. 3:4 Mr '63.
- SOCIALIST PARTIES**
Bankruptcy of the ideology and policy of the right-wing social democrats. V. Sikorskii. *Komm. Bel.* 37 no. 1:60-67 Ja '63.
The Basel Congress of the Second International. T. M. Islamov. *Vop. ist.* 38 no. 3:106-109 Mr '63.
- SOCIALIST PARTY** see subdivision under Germany
- SOCIALIST PROPERTY**
How a universal form of communist property will be established. G. Evdokimenko. *Komm. Bel.* 30 no. 5:18-23 My '62.
Religion and communism on property. L. Sylenko. *Volov. atelst.* 3 no. 3:5-10 Mr '63.
- SOCIETY, PRIMITIVE**
"Social life of early man" [in English] edited by S. L. Washburn. Reviewed by V. Alekseev. *Sov. etn.* no. 1:149-151 Ja-F '63.
- SOCIOLOGY**
A historical approach to studying the sociology of Russian revolutionary democrats. A. G. Nazarov. *Vop. filos.* 17 no. 3:87-95 '63.
Present-day American capitalism and T. Parson's "theory of social action" [with summary in English, p. 183]. N. V. Novikov. *Vop. filos.* 17 no. 3:110-120 '63.
- SOCIOLOGY—BIBLIOGRAPHY** see Bibliography—Sociology
- SODIUM—SPECTRA**
Broadening of the 4002.8 Å line of sodium in a brush type discharge. L. I. Grechikhin. *Opt. i spektr.* 13 no. 4:578-579 O '62.
- SODIUM BROMIDE**
Ternary system sodium bromide - cesium bromide - water. R. G. Samuseva, R. S. Egorova, V. E. P. Mushchakov. *Zhur. neorg. khim.* 7 no. 7:1666-1669 Ji '62.
- SODIUM CHLORIDE** see Salt
- SODIUM FLUORIDE**
Effect of potassium phosphate and sodium fluoride on the synthesis of the biomass and the anabolic activity of Bac. subtilis [with summary in English]. A. M. Mal'kov, V. E. Deeva, G. A. Tkacheva. *Mikrobiologiya* 31 no. 5:890-904 N-D '62.
Interaction of UCL₄ and U(SO₄)₂ with NaF in aqueous solutions. I. V. Tananaev and others. *Zhur. neorg. khim.* 7 no. 7:1675-1680 Ji '62.
- SODIUM NITRITE**
Effect of sodium nitrite on the rate of corrosion of low-carbon steel in a stream of seawater. P. S. Shchegolev. *Inform. sbor. TSNIIMF* no. 73, Tekh. eksp. i inzh. data no. 13:02-00 '62.
- SODIUM PHOSPHATES**
Interaction between UO₂(NO₃)₂ and Na₂HPO₄ in aqueous solution. I. V. Tananaev, G. V. Radicheva. *Atom. energ.* 14 no. 4:305-309 Ap '63.
- SODIUM PHOSPHITE**
Solubility in the system NaH₂P₂O₄ - Na₂HPO₃ - H₂O at 25°. A. L. Al'mova, D. M. Korf, N. D. Lebedeva. *Zhur. neorg. khim.* 8 no. 4:1023-1024 Ap '63.

SODIUM-POTASSIUM-LEAD ALLOYS

Calculating the activity coefficients of components in liquid alloys of the ternary system sodium - potassium - lead. A. G. Morachevskii. Zhur. prikl. khim. 36 no. 2: 329-333 F '63.

SODIUM SILICATES

Effect of alkaline earth oxides on the electrode properties and chemical stability of sodium silicate glasses [with summary in English]. M. M. Shults and others. Vest. LGU 18 no. 4:114-129 '63.
Electrode behavior of sodium silicate glasses containing oxides of the elements of principal subgroups of the groups IV and V of the periodic system [with summary in English]. A. A. Belustin, M. M. Shults. Vest. LGU 18 no. 4:149-155 '63.

SODIUM VANADATES

System $Fe(C10_4)_3 - Na_2V_2O_7 - H_2O$. V. L. Zolotarev, I. I. Sannikov. Zhur. neorg. khim. 8 no. 4:969-972 Ap '63.
System $Fe(C10_4)_3 - Na_3VO_4 - H_2O$. V. L. Zolotarev, I. I. Sannikov. Zhur. neorg. khim. 8 no. 4:973-976 Ap '63.

SOIL ABSORPTION

Absorption of radioactive isotopes by soil. A. A. Titlanova, N. A. Timofeeva. Trudy Inst. biol. UFAN SSSR no. 22: 17-29 '62.

SOIL AERATION

Air permeability of frozen soils as related to fall tillage and moisture [with summary in English]. P. A. Larin. Pochvovedenie no. 2:75-81 F '63.

SOIL BINDING

The ADTS-2 unit at the construction project. V. F. Sran-chukov, P. P. Tarasov. Transl. strol. 13 no. 2:7-8 F '63.

SOIL BINDING—EQUIPMENT AND SUPPLIES

Equipment for mechanizing stabilization operations by tuffing. M. E. Gorovol. Strol. i dor. mash. 8 no. 3: 15-16 F '63.

SOIL BIOLOGY—CONGRESSES

Zoological problems at the Second All-Union Congress of Soil Scientists. M. S. Giliarov. Zool. zhur. 42 no. 2: 318 '63.

SOIL CHEMISTRY

Use of anion exchangers for separating small quantities of cobalt, nickel, manganese, and copper in their determination in soils [with summary in English]. I. K. Tshovich. Zhur. anal. khim. 17 no. 5:621-626 Ag '62.

SOIL CONDITIONERS

(see also subdivision under Pavlodar Province)
New structure-forming substances. K. S. Akhmedov, S. Zainutdinov, K. V. Pogorelskii. Sbor. trud. po agron. fiz. no. 10:171-177 '62.
Optimal doses for a structure-forming polymer as related to the specific surface of soil and quartz sand. I. A. Romanov. Sbor. trud. po agron. fiz. no. 10:186-191 '62.
Physicochemical bases of artificial structure formation. G. L. Maslenskova. Sbor. trud. po agron. fiz. no. 10:178-184 '62.
Practices in using structure-forming polymers in turf-Podzolic soils. N. P. Polasov. Sbor. trud. po agron. fiz. no. 10:192-196 '62.

SOIL CONSERVATION see subdivision under Moldavia

SOIL CORROSION

Krasnolarskii, V. V., and A. K. Larionov. [Underground corrosion of metals and ways to control it] Podzemnaya korrozii metallov i metody bor'by s nei. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 215 p.

SOIL FERTILITY

Biology of humus and soil fertility problems [with summary in English]. I. V. Tiurin, M. M. Kononova. Pochvovedenie no. 3:1-13 Mr '63.
Soil density and fertility. I. B. Revut, V. G. Lebedeva, I. A. Abramov. Sbor. trud. po agron. fiz. no. 10:154-165 '62.

SOIL FORMATION see subdivision under Odessa Province; Siberia, Western

SOIL FREEZING

Methods of solving problems on rock freezing. G. I. Man'kovskii. Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor. delo no. 1:15-13 Ja-F '63.

SOIL INOCULATION

Effectiveness of bacterial fertilizers. M. T. Kvaratskhelia. Mikrobiologiya 31 no. 8:1102-1108 N-D '62.

SOIL MECHANICS

(see also subdivision under Russia, Northern)
Application of the theory of percolation consolidation to peat. A. A. Tkachenko. Osn., fund. i mekh. grun. 5 no. 2:12-14 '63.
Artificial salinization of cohesive soils. B. I. Dalmatov, V. S. Lastochkin. Sbor. nauch. trud. LISI no. 37:19-34 '62.

Deformability of sandy soils subject to dynamic loading. A. A. Romanov. Sbor. nauch. trud. LISI no. 37:107-114 '62.

Effect of the rigidity of a large-panel building on deformations of the foundation. N. Rudnikskii. Strol. i arkhitekt. Mosk. 12 no. 3:20-21 Mr '63.

Experimental study of the distribution of normal pressures where a stamp contacts a sand foundation. A. P. Krivorotov. Osn., fund. i mekh. grun. 5 no. 2:8-12 '63.

Experimental study of the laws governing deformations of clay soil due to creep. S. R. Meschian. Izv. AN Arm. SSR, Ser. fiz.-mat. nauk 16 no. 1:63-85 '63.
New formula for determining the leak of air from a horizontal caisson. I. S. Nikol'skii. Osn., fund. i mekh. grun. 5 no. 2:21-24 '63.

The principle of effective stresses and the stability of clayey soils. N. I. Denisov. Osn., fund. i mekh. grun. 5 no. 2:5-8 '63.

Stability of sand embankments in connection with vibrations caused by rail and vehicular traffic. V. A. Ershov. Sbor. nauch. trud. LISI no. 37:76-94 '62.

Stability of sand slopes drawn into vibrating movements. Se Din-I [So Chin-i]. Sbor. nauch. trud. LISI no. 37: 95-105 '62.

Vinokurov, F. P. and others. [Structural properties of peat soils] Stroitel'nye svoystva torfiannykh grunтов. Pod red. N. A. Tsyrovicha i F. P. Vinokurova. Minsk, Izd-vo Akad. nauk BSSR, 1962. 282 p.

SOIL MECHANICS—CONGRESSES

Conference for the exchange of experience in designing and studying foundations made of eluvial soils of the Ural Mountains. N. S. Shkurenko. Osn., fund. i mekh. grun. 5 no. 2:31-32 '63.

SOIL MICROORGANISMS

(see also subdivision under Kola Peninsula; Yangau-Tau)
Dynamics of the soil microflora in a mandarin plantation [with summary in English]. Z. A. Gochelashvili. Mikrobiologiya 31 no. 8:1048-1053 N-D '62.
Nature's invisible kitchen. Roman Podol'nyi. Smenn 39 no. 22:18-21 N '62.

SOIL MOISTURE

(see also subdivision under Onon Valley; Soviet Central Asia)
Hydrological constants of soils. S. I. Dolgov. Pochvovedenie no. 2:101-105 F '63.
Magnitude of the diffusion coefficient of water vapor in dry soil under isothermic and nonisothermic conditions. A. M. Globus. Sbor. trud. po agron. fiz. no. 10:108-115 '62.
Measurements of soil moisture based on the resistance of gypsum blocks. B. S. Shalunov. Nauch. soob. IAFAN SSSR no. 2:48-50 '59.
Possibilities of direct determination of some relations among components of the temperature balance of the underlying surface. I. U. L. Rozenshtok. Sbor. trud. po agron. fiz. no. 10:85-88 '62.
Structure and hydrophysical properties of soils. B. N. Michurin. Sbor. trud. po agron. fiz. no. 10:145-153 '62.
Study of frost heave of soils incompletely saturated with water. V. M. Karpov. Sbor. nauch. trud. LISI no. 37: 42-65 '62.
Water-holding capacity of structural soils and their moisture conductivity. S. V. Nerpin. Sbor. trud. po agron. fiz. no. 10:137-144 '62.

SOIL PERCOLATION

Method for solving problems involving percolation. A. A. Glushchenko. Ukr. mat. zhur. 15 no. 1:79-85 '63.

SOIL SCIENCE—BIBLIOGRAPHY see Bibliography—Soil science

SOIL STABILIZATION

Compacting settling soils with heavy tampers. I. A. E. Shaevich. Osn., fund. i mekh. grun. 5 no. 2:28-29 '63.
Firming earth with gum resins. G. M. Zhukii, V. F. Kalganov, A. K. Bugrov, D. A. Krivchenko. Strol. i arkhitekt. Len. 24 no. 9:26-28 S '62.
Nature of the soil-stabilizing and aggregating action of Na-humates on kaolinite clay suspensions. M. M. Gurvich. Azerb. khim. zhur. no. 2:103-111 '62.
New methods of stabilizing soil. V. N. Belolil'kov. Prom. strol. 40 [i. e. 41] no. 4:91-93 Ap '63.

SOIL STRUCTURE

Availability of nutritive substances in macroaggregated soils. N. A. Sokolovskaya. Sbor. trud. po agron. fiz. no. 10:166-170 '62.
Structure and hydrophysical properties of soils. B. N. Michurin. Sbor. trud. po agron. fiz. no. 10:145-153 '62.

SOIL TEMPERATURE

(see also subdivision under Onon Valley)
Basic results achieved by the Agrophysical Scientific Research Institute in studying the temperature conditions of soils. A. F. Chudnovskii. Sbor. trud. po agron. fiz. no. 10:61-67 '62.
Magnitude of the diffusion coefficient of water vapor in dry soil under isothermic and nonisothermic conditions. A. M. Globus. Sbor. trud. po agron. fiz. no. 10:108-115 '62.

Possibilities of direct determination of some relations among components of the temperature balance of the underlying surface. I. U. L. Rozenshtok. Sbor. trud. po agron. fiz. no. 10:85-88 '62.

Problems in thermal improvement of soils. A. F. Chudnovskii. Sbor. trud. po agron. fiz. no. 10:68-77 '62.

SOIL TEMPERATURE—MEASUREMENT

Determining the soil temperature at the depth of covering of corn seeds. M. D. Pavlova. Meteor. i gidrol. no. 3:35-36 Mr '63.

SOILS

(see also subdivision under Ak-Say Valley, Kirghizistan; Indigirka Valley; Krasnodar Territory; Soviet Central Asia; Transbaikalia; Tuva A. S. S. R.; Virgin Territory; Yana Valley; Yergerd Hills)

Action of radiators on phytocenoses and the effect of the latter on the migration and redistribution of radioisotopes in soils. N. V. Kulikov and others. Trudy Inst. biol. UFAN SSSR, no. 22:31-47 '62.

Khudushyn, F. S. [Communism and the regeneration of soils] Komunisti i obovlennia zemli. Kyiv, Derzhpolityivdav URSR, 1962. 169 p.

SOILS—ABSTRACTS

[Soil science] Ref. zhur.: Pochv. nos. 4-6, 8 F-Ap '63.

SOILS—ANALYSIS

(see also subdivision under Malaya Botouba Valley)
Akademika nauk SSSR, Pochvovnyi Institut im. V. V. Dokuchaeva. [Agrochemical mapping of soils] Agroklimicheskoe kartografirovaniye pochv. Moskva, Izd-vo Akad. nauk SSSR, 1962. 153 p. [MICROFILM]

Using methods of variational statistics in agrochemical soil investigations [with summary in English]. I. G. Vazhenin. Pochvovedenie no. 2:43-57 F '63.

SOILS—BIBLIOGRAPHY see Bibliography—Soils

SOILS—CALCIUM CONTENT

Translocation of exchangeable calcium throughout the profile of Podzolic forest soils [with summaries in English, German, and French]. B. D. Zaitsev. Vest. sel'khoz. nauki 7 no. 12:92-94 D '62.

SOILS—CHLORINE CONTENT

Chlorine content of Podzolic soils and field crops. F. I. Levin, E. N. Chubotina. Pov. plod. pochv. nechernozem. pol. no. 2:137-141 '62.

SOILS—CLASSIFICATION

(see also subdivision under Asia)
Classification and systematics of steppe Solonetz soils [with summary in English]. E. M. Ivanova. Pochvovedenie no. 3:14-26 Mr '63.

SOILS—COMPOSITION

(see also subdivision under Stavropol Territory)
Availability of nutritive substances in macroaggregated soils. N. A. Sokolovskaya. Sbor. trud. po agron. fiz. no. 10:166-170 '62.

SOILS—DENSITY

Soil density and fertility. I. B. Revut, V. G. Lebedeva, I. A. Abramov. Sbor. trud. po agron. fiz. no. 10:154-165 '62.

SOILS—ELECTRIC PROPERTIES

Automation is a task that suits us well. V. Vasil'eva. IUn. tekhn. 7 no. 3:3-9 Mr '63.
Graphical determination of the effective values of electrical parameters of earth routes for ultrashort waves. A. V. Goloshev. Radiotekhn. i elektron. 8 no. 3:329-303 Mr '63.

SOILS—LITHIUM CONTENT

Using lithium ions for identifying montmorillonite in soils and clays [with summary in English]. E. A. Shurygina. Pochvovedenie no. 3:117-121 Mr '63.

SOILS—MAPS see subdivision under Asia; Europe

SOILS—SILICON CONTENT see subdivision under Amur Valley

SOILS—THERMAL PROPERTIES

Theory of the heat conductivity of soils and rocks as statistical systems. N. S. Ivenov. Mat. k uchi. o merz. zon. zem. kory no. 8:160-166 '62.

SOILS, PODZOLIC see Podzol

SOKOLOVA, ILA BORISOVNA, 1927-1960

Ila Borisovna Sokolova; obituary. Trudy Fiz. inst. 14: 59-60 '62.

SOLA VALLEY—MAMMOTH

Discovery of a mammoth skeleton in the Sola Valley. V. G. Zol'nikov. Nauch. soob. IAFAN SSSR no. 3:26-32 '60.

SOLAR ECLIPSES see Eclipses, Solar

SOLAR RADIATION

Penetration of solar radiation into the snow cover. I. K. Rodichev. Mat. k uchi. o merz. zon. zem. kory no. 8:44-52 '62.

- SOLAR SPECTRUM** see Spectrum, Solar
- SOLDIERS** see subdivision under Turkestan
- SOLENOIDS**
 Rolenberg, A. G. [Solenoid diaphragm valves] Solenoidnye membrannye ventili; nauchnoe soobshchenie. Moskva, Gostorgizdat, 1962. 24 p.
- SOLID PROPELLANT ROCKETS**
 Zel'dovich, I. A. B., and others. [Jet-power impulse of powder rockets] Impul's reaktivnoi silly porokhovyykh raket. Moskva, Oborongiz, 1963. 189 p.
- SOLID SOLUTIONS** see Solutions, Solid
- SOLIDS**
 Theory of monomolecular reactions in solids. V. I. Osherov. Dokl. AN SSSR 148 no. 5:1118-1120 F '63.
- SOLIGORSK REGION—POTASSIUM SALTS**
 Mlasov, E. T., and V. B. Alekseev. [Mining operations in building the Soligorsk Potassium Combine] Gornye raboty na stroitel'stve Soligorskogo kalinnogo kombinata; informatsionnoe soobshchenie. Moskva, Gosgortekhzdat, 1962. 10 p.
- SOLIKAMSK—WOOD WASTE**
 Made 150,000 rubles in savings by the utilization of saw-mill wastes. G. F. Pronin, L. P. Ungkind. Bum. prom. 38 no. 3:20-21 Mr '63.
- SOLNECHNYI—CONSTRUCTION WORKERS**
 Sunshine over "Solnechny." Viktor Vladimirov. Smena 39 no. 22:2 of cover, 1-2 N '62.
- SOLONCHAK SOILS** see subdivision under Murgab Oasis; Yakutia
- SOLONETZ SOILS**
 Classification and systematics of steppe Solonetz soils [with summary in English]. E. N. Ivanova. Pochvovedenie no. 3:14-26 Mr '63.
- SOLOV'EV, ALEKSANDR PAVLOVICH, 1904-**
 Forest nightingale. A. Ryklin, G. Chernenko. Znan.-slizha 38 no. 2:35 F '63.
- SOLOV'EV, SERGEI MIKHAILOVICH, 1820-1870**
 S. M. Solov'ev and his role in the development of Russian historiography. A. E. Presnlakov. Trudy LOI AN SSSR no. 5:76-86 '63.
- SOLUBILITY**
 Isothermal solubility diagram for the quaternary system $\text{FeSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{MnSO}_4 - \text{Na}_2\text{SO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{ZnSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{H}_2\text{O}$ at 40°C. I. U. D. Tret'akov, I. N. Kachanov. Zhur. neorg. khim. 7 no. 7:1703-1715 JI '62.
 Isothermal solubility diagram for the quaternary system $\text{MnSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{MgSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{Na}_2\text{SO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{H}_2\text{O}$ at 40°C. I. U. D. Tret'akov, A. Kh. Bagdasar'yan. Zhur. neorg. khim. 7 no. 7:1716-1723 JI '62.
 "Manual on solubility" by V. B. Kogan, V. M. Fridman, V. V. Katarov. Reviewed by A. B. Zdanovskii. Zhur. neorg. khim. 8 no. 4:1028-1030 Ap '63.
 Mutual solubility in the quaternary system $\text{H}_2\text{BO}_3 - \text{Na}_2\text{SO}_4 - \text{MgSO}_4 - \text{H}_2\text{O}$ at 35°C. A. B. Rekturov, E. G. Konobritskii. Zhur. neorg. khim. 7 no. 7:1704-1707 JI '62.
 Solubility in the system $\text{MnSO}_4 - \text{CaSO}_4 - \text{H}_2\text{O}$ at 25 and 75°. D. M. Korf, E. A. Fomina. Zhur. neorg. khim. 8 no. 4:1022-1023 Ap '63.
 Solubility in the system potassium perchlorate - potassium chloride - water. P. I. Fedorov, S. V. Postnikova, L. A. Stiflenko. Zhur. neorg. khim. 7 no. 7:1670-1674 JI '62.
 Solubility isotherm for the quaternary reciprocal system $\text{Th}(\text{C}_2\text{O}_4)_2 + 2\text{Na}_2\text{CO}_3 \rightleftharpoons \text{Th}(\text{CO}_3)_2 + 2\text{Na}_2\text{C}_2\text{O}_4 + \text{H}_2\text{O}$ at 25°C. I. S. Kovaleva, N. P. Luzhnaia. Zhur. neorg. khim. 7 no. 7:1693-1698 JI '62.
 Solubility isotherm (25°) in the system $\text{CaH}_2\text{P}_2\text{O}_7 - \text{NH}_4\text{H}_2\text{P}_2\text{O}_7 - \text{H}_2\text{O}$. A. I. A. Zvorykin, V. D. Ratnikova. Zhur. neorg. khim. 8 no. 4:1018-1019 Ap '63.
 Solubility of β -stabilizers in α -titanium. L. P. Luzhnikov, V. M. Novikova, A. P. Mareev. Metalloved. i term. obr. met. no. 2:13-16 F '63.
 Solubility of praseodymium and neodymium chlorides in normal alcohols at 0, 25, and 50°, and the thermography of crystal solvates. Z. I. Grigorovich. Zhur. neorg. khim. 8 no. 4:986-989 Ap '63.
 Solubility polytherm for the quaternary system $\text{Li}_2\text{SO}_4 - \text{Na}_2\text{SO}_4 - \text{K}_2\text{SO}_4 - \text{H}_2\text{O}$ in the temperature range from 15 to 100°C. I. N. Lepeshkov, N. V. Bodaleva, L. T. Kotova. Zhur. neorg. khim. 7 no. 7:1689-1703 JI '62.
- SOLUTION (CHEMISTRY)**
 Disturbance of the peace put things in order. G. Vershubskii. Znan.-slizha 38 no. 2:26-27 F '63.
 Effect of solubilization on the denaturation of egg albumin. V. N. Izmailova, V. A. Pchelina, L. V. Mitikhina. Dokl. AN SSSR 149 no. 4:888-890 Ap '63.
 Optical cell for measuring absorption spectra of chemically active solutions under pressure. I. A. M. Varshavskii, A. I. Kitova. Opt. i spektr. 13 no. 4:569-571 O '62.
- Quenching of the luminescence of solutions by foreign substances. A. M. Samson. Opt. i spektr. 13 no. 4:511-517 O '62.
- SOLUTIONS, SOLID**
 Phase relations in the system $\text{Y}_2\text{O}_3 - \text{ZrO}_2$. Report No. 2: Solid solutions. Fan' Fu-kau [Fan Fu-k'ang], A. K. Kuznetsov, E. K. Keler. Izv. AN SSSR. Otd. khim. nauk no. 4:601-610 Ap '63.
 Solid solutions of some rare earth orthosilicates with strontium orthosilicate. N. A. Toropov, Mao Chzh'i-tsiun [Mao Chih-ch'ung]. Zhur. neorg. khim. 7 no. 7:1632-1635 JI '62.
- SOLVENTS**
 Study of the interaction between acetylene and solvents using infrared spectra. A. V. Iogansen, G. A. Kurkchi. Opt. i spektr. 13 no. 4:480-487 O '62.
- SOLZHENITSYN, ALEKSANDR ISAEVICH, 1918-**
 "One day in the life of Ivan Denisovich" by A. Solzhenitsyn. Reviewed by N. Krzhkov. Ogonek 40 no. 49:20-29 D '62.
- SOMATOLOGY**
 "Morphology and human types" [in French] by G. Olivier. Reviewed by V. V. Bunak. Vop. antr. no. 11:158 '62.
- SOMATOTROPIN**
 Effect of the somatotrophic hormone on the changes of blood protein fractions in experimental liver cirrhosis. L. A. Alimova. Vop. biol. i kraev. med. no. 3:207-211 '62.
- SONGS—HISTORY AND CRITICISM**
 Kulakovskii, L. V. [The song and its language, structure, destinies, from materials on Russian and Ukrainian folk songs and the Soviet popular song] Pesnia, ee izyky, struktura, sud'by; na materiale russkoi i ukrainskoi narodnoi, sovetskoi massovoi pesni. Moskva, Sovetskii kompozitor, 1962. 340 p.
- SON-KUL' REGION—FORAMINIFERA, FOSSIL**
 Distribution of Foraminifera in Tournai and Lower Viscon sediments in the southern part of the Son-Kul' region. V. P. Skvortsov. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 7:75-81 '62.
- SONAR IN FISHING**
 Detecting fish schools through ice. A. A. Gan'kov, O. N. Kiselev. Ryb. khoz. 39 no. 3:40-42 '63.
- SORBIC ACID**
 Chemistry of sorbic acid. N. G. Polianskii. Khim. prom. no. 1:20-25 Ja '63.
- SORPTION**
 Nature of sorption of organic substances by ferrocyanides. G. B. Seifer. Zhur. neorg. khim. 7 no. 7:1740-1740 JI '62.
 Relation between the mechanical properties of sulfocation exchanger grains and the establishment of pseudoequilibrium states during the sorption of organic ions on these grains. G. S. Libinson, E. M. Savitskaya. Dokl. AN SSSR 148 no. 6:1343-1345 F '63.
 Sorption of hydrolyzed ions of the elements of the groups V and VI by cation-exchanging resins. A. I. Zhukov, V. N. Gareev, V. M. Markova. Zhur. neorg. khim. 7 no. 7:1724-1729 JI '62.
 Sorption of hydrolyzed ions of the elements of the groups VII and VIII by cation-exchanging resins. A. I. Zhukov, V. N. Muzgin. Zhur. neorg. khim. 7 no. 7:1730-1735 JI '62.
- SOUND—APPARATUS**
 Chamber for the observation of the negative optical acoustic effect. A. A. Sivkov, Chen' Fyn-tai [Ch'en Feng-ch'i]. Opt. i spektr. 13 no. 4:600-610 O '62.
- SOUND—RECORDING AND REPRODUCING**
 Exhibition of sound recording instruments at the Eighteenth All-Union Exhibition of the Work of Radio Amateurs and Designers of the All-Union Society for Assistance to the Army, Air Force, and Navy. L. Tsyganova. Radio no. 4:48-50 Ap '63.
- SOUND—RECORDING AND REPRODUCING—BIBLIOGRAPHY** see Bibliography—Sound—Recording and reproducing
- SOUND, LOCALIZATION OF**
 Dynamics of the variations in sound localization under the influence of proprioceptive stimuli. N. I. Alekseenko. Dokl. AN SSSR 148 no. 5:1218-1220 F '63.
- SOUTH AFRICA, REPUBLIC OF—RACE DISCRIMINATION**
 Outraged South-West Africa (to be continued). Aleksandr Ivanchenko. Smena 40 no. 3:29-31 F '63.
 Outraged Southwest Africa (conclusion). Aleksandr Ivanchenko. Smena 40 no. 4:18-19 F '63.
- SOUTH CHINA SEA—MARINE BIOLOGY**
 General characteristics of the quantitative distribution of plankton and benthos in the Gulf of Tonkin and the adjacent part of the South China Sea. N. A. Zarenkov, Vu Van Lieu, Nguyen Tien Kan. Dokl. AN SSSR 148 no. 8:1389-1391 F '63.
- SOUTH KAZAKHSTAN PROVINCE** see Chirchik Province
- SOUTHEAST ASIA COLLECTIVE DEFENSE TREATY**
 Behind closed doors. A. Neonov. Nov. vrem. 20 no. 16:14-15 Ap '63.
- SOVIET BLOC** see Communist Countries
- SOVIET CENTRAL ASIA—ECONOMIC CONDITIONS**
 Dzhumayev, M. S. [Non capitalistic path of development] O nekapitalisticheskoi puti razvitiia. Moskva, Izd-vo "Znanie," 1963. 31 p.
- SOVIET CENTRAL ASIA—FOOD INDUSTRY**
 Prospects for developing the food industry in Central Asia. Z. T'smits, B. Desiatichkov. Nar. khoz. Uzb. 5 no. 3:24-28 Mr '63.
- SOVIET CENTRAL ASIA—IRRIGATION FARMING**
 Sharov, I. A. [Fields quench their thirst; irrigation farming] Polia utoliatut zhazhdu; orosheniye zemle-dello. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, V. Seriya: Sel'skoe khoz. i stroit., no. 5)
- SOVIET CENTRAL ASIA—LAKES**
 Lakes of western Asia as indicators of fluctuations in the total humidity of their basins. A. V. Shumilov, Trudy Lab. ozeroved. 154-74 '63.
- SOVIET CENTRAL ASIA—PRICKLY-PEAR**
 Newcomers of Central Asia. Nikolai T'sitsin. Sov. Soluz. no. 4:40-41 '63.
- SOVIET CENTRAL ASIA—RECLAMATION OF LAND**
 With our colleagues. Nauka i zhizn' 20 no. 12:72-73 D '62.
- SOVIET CENTRAL ASIA—ROCKS—RADIOACTIVE PROPERTIES**
 Practice of using radiometric methods to solve some geological problems under Central Asian conditions. V. N. Bnatamov. Sbor. st. MGION no. 1:91-65 '62.
- SOVIET CENTRAL ASIA—SOIL MOISTURE**
 Types of moisture conditions in soils of the desert zone. S. N. Ryzhov, V. B. Gusev, I. A. M. Nasypov. Sbor. st. po agron. flz., no. 10:97-102 '62.
- SOVIET CENTRAL ASIA—SOILS**
 Present level of fertility, irrigation problems, and soil classification in the Central Asian republics. S. N. Ryzhov. Pochvovedenie no. 2:7-13 F '63.
- SOVIET FAR EAST**
 Our Soviet Far East. Klub 12 no. 9:2 S '62.
- SOVIET FAR EAST—COMMUNITY CENTERS**
 The Far East speaks. Klub 11 no. 3:4-15 Mr '62.
- SOVIET FAR EAST—TREES—PHYSIOLOGY**
 Akademiia nauk SSSR. Dal'nevostochnyi filial. Vladivostok. [Physiology of tree species in the southern Far East] Fiziolohii drevesnykh porod juga Dal'nego Vostoka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 83 p.
- SOVIET FAR EAST—WATER, UNDERGROUND**
 Basic characteristics of the hydrogeology of artesian basins in the Far East. V. A. Kirilukhin. Zap. LGI 44 no. 2:20-46 '62.
- SOVIET UNION** see Russia
- SOVIETS**
 Azovkin, I. A. [Province (territory) Soviets of workers' deputies; legal problems relating to their organization and work] Oblastnoi (krovnoi) Sovet deputatov trudiashchikhsia; pravovye voprosy organizatsii i deiatel'nosti. Moskva, Gosizdat, 1962. 209 p.
 Davidchenko, G. A. [The mandate was issued by the people] Mandat vydan narodom. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 21 p.
 V. I. Lenin and the mandates of Soviet voters. V. F. Kotok. Sov. gos. i pravo 33 no. 4:17-28 Ap '63.
- SOWING**
 The sowing time is here, are you ready? Komsom. zhizn' no. 5:9-10 Mr '63.
- SPACE BIOLOGY**
 Life in a meteorite. F. Zigel'. Ogonek 40 no. 47:28-29 N '62.
- SPACE FLIGHT**
 Romantic attraction of high altitudes. A. Merkulov. Av. i kosm. 45 no. 4:80-82 Ap '63.
 Two space years. I. U. Gagarin and others. Av. i kosm. 45 no. 4:2-4 Ap '63.
- SPACE FLIGHT TO MARS**
 From Earth to Mars. E. Grebenikov, V. Demin. Av. i kosm. 45 no. 4:22-26 Ap '63.
 "Mars" flies to Mars. Sov. Soluz. no. 1:54 '63.
 Mars has the floor. Vladimir Migulin. Sov. Soluz. no. 12:54-55 '62.
 On the road to Mars. A. Sergeev, Grazhd. av. 20 no. 2:4 F '63.

SPACE FLIGHT TO VENUS

Some problems concerning the dynamics of flights to Venus [with summary in English]. E. P. Aksenov and others. *Sobh. GAISH* no. 125:12-41 '62.

SPACE MEDICINE

Before the new flights into space. A. Golikov. *Ogonek* 40 no. 20:2-3 My '62.

SPACE SCIENCES

For the new starts. M. Keldysh and others. *Sov. Soluz* no. 10:13-15 '62.

SPACE STATIONS

Construction in space. N. Varvarov. *NTO* 5 no. 4:62-63 Ap '63.

SPACE VEHICLES

"Advance in space science and technology." Reviewed by V. G. Kurt. *Astron. zhur.* 40 no. 2:392-393 Mr-Apr '63.

SPACES, GENERALIZED

Approximation with supplementary conditions in linear normed spaces. Part 1 [with summary in German]. V. N. Burov. *Ukr. mat. zhur.* 15 no. 1:3-12 '63.

Complex structures of a class of Kähler-Rashevskii spaces. V. V. Vishnevskii. *Dokl. AN SSSR* 149 no. 2:233-235 Mr '63.

Concept of random normed space. A. N. Sherstnev. *Dokl. AN SSSR* 149 no. 2:280-283 Mr '63.

Generalized Liouville differentiation and $L_p(E_n)$ functional spaces; imbedding theorems. P. I. Lizorkin. *Mat. sbor.* 60 no. 3:325-352 Mr '63.

Interpolation theorems for L_p spaces with $p < 1$. E. I. Pustylnik. *Sib. mat. zhur.* 4 no. 2:318-324 Mr-Apr '63.

Invariants and standard representations of quadrics in quasi-elliptic spaces. S. L. Pevzner. *Dokl. AN SSSR* 149 no. 4:773-775 Ap '63.

SPAIN—CIVIL WAR, 1936-1939

"My Spanish notebooks" and "Who helped Hitler? Reminiscences of a Soviet ambassador" by I. M. Maiskii. Reviewed by A. L. Narochitskii. *Nov. i noveish. ist.* no. 2:150-152 '63.

Prileker, D. P. [Heroic deeds of the Spanish Republic, 1936-1939] *Podvig Ispanskoi respublik, 1936-1939*. Moskva, Sotsekgiz, 1962. 446 p.

SPAIN—TRADE UNIONS

The trade-union opposition has issued a program for unity and struggle. Felix Nava Lorente. *Vsem. prof. dvizh.* no. 3:10-14 Mr '63.

SPANISH AMERICA see Latin America

SPECIFIC HEAT see Heat capacity

SPECTROMETER

Orthogonal components for the inhomogeneity of the magnetic field in a nuclear magnetic resonance spectrometer [with summary in English]. V. V. Frolov, I. A. Kolkhova. *Vest. LGU* 18 no. 4:59-66 '63.

Two-channel γ -spectrometer for making measurements in boreholes. V. I. Utkin, I. B. Burdin. *Izv. AN SSSR. Ser. geofiz.* no. 3:464-472 Mr '63.

Utilization of the separation of pulses from fast neutrons and γ -quanta in a fast-neutron spectrometer based on transit-time measurement. G. G. Doroshenko, G. A. Shatalov. *Vop. doz. i izuch. ot izluch.* no. 1:137-140 '62.

SPECTROMETRY

Determining by spectrophotometric methods the concentration of hemoglobin and its derivatives in an erythrocyte suspension. I. A. Terskov, F. A. Sid'ko. *Vop. biofiz., biokhim. i pat. erit.* no. 2:94-100 '61.

[Electronics in nuclear spectrometry] *Elektronika v spektrometrii iadernykh izlucheni.* [By] L. S. Gorn, I. S. Krashenikov, B. I. Khananov. Moskva, Gosatomizdat, 1963. 201 p.

Shape of the bremsstrahlung spectrum near the upper limit [with summary in English]. B. S. Dolbikin and others. *Zhur. eksp. i teor. fiz.* 44 no. 3:866-867 Mr '63.

SPECTROPHOTOMETRY

Spectrophotometric investigation of sucrose caramelization. A. R. Sapronov. *Izv. vys. ucheb. zav.; pis'ma, tekhn.* no. 1:33-37 '63.

Spectrophotometric study of the interaction of palladium ions with potassium thiocyanate [with summary in English]. V. I. Shlenskaya, V. P. Khvostova, V. M. Pashkova. *Zhur. anal. khim.* 17 no. 9:598-603 Ag '62.

SPECTRUM, ATOMIC

Larinson, J. B., and A. A. Nikitin. [Handbook on the theoretical calculation of line intensities in atomic spectra] *Rukovodstvo po teoreticheskomu vychisleniiu intensivnosti lini v atomnykh spektrakh*. [Leningrad] Izd-vo Leningr. univ., 1962. 358 p.

SPECTRUM, INFRARED

Diazonium salts of aryl sulfonic acids. Infrared spectra in the region of, stretching vibrations of the SO_2 group. V. V. Kozlov, I. U. A. Kolesnik. *Zhur. ob. khim.* 33 no. 3:746-754 Mr '63.

Obtaining images from the upper infrared spectral region with the evaporography method. G. P. Faerman. *Zhur. nauch. i prikl. fiz. i khim.* 8 no. 2:153-156 Mr-Apr '63.

Study of the interaction between acetylene and solvents using infrared spectra. A. V. Iogansen, G. A. Kurkchi. *Opt. i spekt.* 13 no. 4:480-487 O '62.

Using infrared spectra as a basis for determining the hydrogen bonding energy of isobutyric acid in solutions. A. L. Smolianskii. *Opt. i spekt.* 13 no. 4:475-479 O '62.

SPECTRUM, MOLECULAR see Molecular spectra

SPECTRUM, SOLAR

Eclipse effect in the ozone region of the solar spectrum [with summary in English]. S. F. Radionov, I. U. N. Verevkin, N. S. Shpakov. *Vest. LGU* 18 no. 4:67-72 '63.

SPECTRUM ANALYSIS

Benenson, N. M., and others. [Work practices of the spectrum analysis laboratory at the "Radiat" Plant]. *Opyt radio spektral'noi laboratorii zavoda "Radist."* Leningrad, 1962. 10 p. [Leningradskii dom nauchno-tekhnicheskoi propagandy. *Chlen perezovym opytom. Seriya: Kontrol' kachestva produktov*, no. 6]

Borovskii, I. B., and S. A. Skotnikov. [Apparatus for the spectrum determination of gases in metals] *Apparatura dlia spektral'nogo opredeleniia gazov v metallakh*. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 22 p. [Perezdovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33. No. P-58-86/3]

Possibility of using spectrum analysis in electric prospecting. T. Z. Verbitskii. *Geofiz. sbor.* no. 1:107-111 '62.

Possible shapes of the reflection band and their variation as a function of the angle of incidence and the polarization of light; dispersion effect of reflection bands. Chzhan Guan-in' [Chang Kuan-yin]. *Opt. i spekt.* 13 no. 4:536-541 O '62.

Simplification of the reduction method according to Burger and van Sittert. A. F. Vasil'ov. *Opt. i spekt.* 13 no. 4:572-575 O '62.

Spectra of anode and cathode flashes of near-the-electrode luminescence in an electrolytic cell. V. V. Mikhe. *Opt. i spekt.* 13 no. 4:604-605 O '62.

Study of the effect of third components by the method of temporal scanning of the emission spectrum [with summary in English]. I. G. Nekrashevich and others. *Zhur. anal. khim.* 17 no. 5:551-555 Ag '62.

SPEECH THERAPY

School of a home speech correction teacher (conclusion). B. Drapkin, N. Sinitsyna, L. Uspenskaya. *Nauch. zhizn'* 20 no. 12:94-95 D '62.

SPIRANSKII, GEORGI NESTEROVICH, 1873-

G. N. Speranskii is ninety years old. M. Linetskaya. *Zdorov'e* 9 no. 2:3 F '63.

SPIRM OIL see Whale oil

SPHERULITES

Transition of plane structures of isotactic polystyrene to spherulites. V. A. Kargin, T. A. Koretskaya, T. A. Bogachevskaya. *Dokl. AN SSSR* 149 no. 2:370 Mr '63.

SPICES

Grinding of products in the frozen state (from "Food Engineering," 34 no. 5, 1962). *Kons. i ov. prom.* 18 no. 4:36-37 Ap '63.

SPILLWAYS

Bilashova'kyi, M. M., and M. H. Pyvovar. [Design of bottom linings below low-pressure shield spillways] *Rozkradunkok kriplen' dna za niz'konapirnymy shchylto-vymy vodoskydny.* Kyiv, Vyd-vo AN URSR, 1962. 61 p.

Method of making calculations for thermal conditions of spillways built on permafrost. V. N. Grandilevskii. *Izv. vys. ucheb. zav.; strol. i arkh.* 6 no. 1:87-94 '63.

Rozova'kyi, I. L., and P. K. Tsvietkov. [Low-pressure shaft spillways near earth dams] *Nyz'konapirni shakhtni vodoskydy pry zemlianykh hrebilakh.* Kyiv, Vyd-vo Akad. nauk URSR, 1962. 147 p.

SPINDLES (MACHINE-TOOLS)

Changing the design of a spindle unit. V. M. Chebodaev. *Mashinostroitel'* no. 2:19 F '63.

SPINNING MACHINERY

Tsentral'nyi institut nauchno-tekhnicheskoi informatsii *legkoi promyshlennosti*. [Catalog-handbook of flax and hemp-and-jute processing equipment; spinning machinery] *Katalog-spravochnik i planirovaniia i pen'ko-dzhutovogo oborudovaniia; mashiny priadi'nogo proizvodstva*. Moskva, 1962. 179 p. [MICROFILM]

SPIRITUALISM

Iozefint, A. [Spiritism and the discrediting of "miracles." Translated from the Rumanian] *Spirytizm i rozvinchan-na "chudes."* Kyiv, T-vo dlia poshyrennia polit. i nauk. znani' URSR, 1962. 78 p. [Dlia vdomlyvoho dopytlyvoho]

SPLEEN

Use of luminescence microscopy for studying the leucocytes and their phagocytosis by the reticuloendothelium of the spleen. B. G. Kovrov, V. P. Makarov. *Vop. biofiz., biokhim. i pat. erit.* no. 2:220-225 '61.

SPLINTS (SURGERY)

New methods of extralaboratory preparation of splints for the treatment of jaw fractures. I. E. Kereiko. *Probl. stom.* 6:304-312 '62.

Simplified way to prepare Portia splint. V. P. Kiselev. *Probl. stom.* 6:309 '62.

SPOREFORMING BACTERIA see Bacteria, Spore-forming

SPORIDESMIN

Structure of sporidesmin; part 2. I. U. A. Ovchinnikov and others. *Izv. AN SSSR. Otd. khim. nauk* no. 4:770 Ap '63.

SPORTS

(see also subdivision under Moscow; United States; White Russia)
Belgrade, Lucerne, Budapest. A. Vit. *Sov. Soluz* no. 10:55 '62.

Season starts in Siberia. A. Vit. *Sov. Soluz* no. 1:56 '63.

Shakhlin, B. A. [The birth of victories] *Narodzhennia peremoh.* [Kyiv] Vyd-vo "Molod", 1962. 123 p.

Outdoor sports. S. G. Hazer. *Zhil. i kom. khoz.* 13 no. 2:24a '63.

Soccer and travels. V. Egorunin. *Sov. Soluz* no. 12:53 '62.

Young builders at the start. G. N. Kharchenko, I. A. Tsadikovich. *Teor. i prak. fiz. kul't.* 28 no. 2:6-9 F '63.

SPORTS—EQUIPMENT AND SUPPLIES

Organizing the All-Union Review-Contest in the Field of Sports Facilities. *Teor. i prak. fiz. kul't.* 26 no. 2:77-78 F '63.

SPORTS—ORGANIZATION AND ADMINISTRATION

Further improvement in the Unified All-Union Sports Classification. V. M. Kovrigin. *Teor. i prak. fiz. kul't.* 26 no. 2:51-52 F '63.

In the All-Union Council of the Volunteer Sports Society of Trade Unions. *Teor. i prak. fiz. kul't.* 26 no. 2:75-78 F '63.

SPORTS—PICTORIAL WORKS

[On champions for boys and girls] *Mal'chishkam i devchonkam o chempionakh.* Moskva, Detgiz, 1962. 189 p.

SPORTS MEDICINE

(see also subdivision under Cuba)

Changes in the blood of sportsmen under the influence of moderate altitude. D. A. Alipov. *Sov. zdrav. Kir.* no. 1:11-15 Ja-F '63.

Checking vascular reactions of the skin with a portable dermatograph. V. B. Spektorov. *Teor. i prak. fiz. kul't.* 26 no. 2:31-32 F '63.

Ievhen Petrovych has treated many sportsmen. Kim Pushkarov. *Ukraina* no. 2:22 Ja '63.

Methods of studying the dynamics of heart contraction in the process of muscular exercises of athletes. I. U. K. Shkhvatsabala. *Teor. i prak. fiz. kul't.* 28 no. 2:33-35 F '63.

Physical training of students of a special medical group. N. V. Sherstiuk. *Teor. i prak. fiz. kul't.* 26 no. 2:45-48 F '63.

SPRAYING AND DUSTING EQUIPMENT

The AAP-O, 5 "Mikron" pulsatory aerosol apparatus. E. A. Klimova. *Trakt. i sel'khozmasb.* 33 no. 1:32-33 Ja '63.

Chenkin, A. F., and I. S. Makarova. [Manual on poisonous chemicals and apparatus used in controlling plant pests, plant diseases and weeds] *Spravochnik po iadokhimikatom i apparatur, primeniamym v bor'be s vrediteliami, bolezniami rastenii i sornikami.* Moskva, Izd-vo M.-va sel'. khoz. RSFSR, 1962. 192 p. (DNAL)

Mozin, A. F., and M. M. Pihko. [Concise manual on poisonous chemicals and spraying and dusting equipment] *Kratkii spravochnik po iadokhimikatom i apparatur, Minsk, Sel'khozgiz BSSR, 1962. 113 p. (DNAL)*

SPRAYING AND DUSTING IN AGRICULTURE

Low-volume surface spraying of fruit-bearing orchards. *Vlasyi sil'khoz. nauky* 6 no. 2:119 F '63.

SPRAYING AND DUSTING IN FORESTRY

Trofin, I. V. [Using aerosols for controlling forest pests] *Primenenie aerosolov dlia bor'by s vrediteliami lesa.* Moskva, Goslesbumizdat, 1962. 85 p. (DNAL)

SPRING see subdivision under Azerbaijan; Megri

SPRINGS see subdivision under Crimea

SPRINGS (MECHANISM)

Automation of spring coiling. G. M. Borodulin. Mashinostroitel' no. 2:7 F '63.
Effect of end coils on the rigidity of helical springs. O. N. Ivanchenko. Vest. mashinost. 43 no. 2:37-39 F '63.
Heat treatment of disk springs. V. N. Kokoryshkin. Mashinostroitel' no. 2:26 F '63.
A homemade spring clamp. E. Kusman. Radio no. 12:27 D '62.

SPRUCE see subdivision under Vinogradovskiy District

SQUIDS see subdivision under Pacific Ocean

STABILITY OF SHIPS

Providing for the stability of ships being modernized and re-equipped. A. A. Gundobin. Sudostroenie 29 no. 1: 62-64 Ja '63.
Stabilizing unit on ships. N. A. Efremov, Kh. I. Simin, Shor. izobr. v ryb. prom. za 1959 g. 100-102.

STADNIUK, IVAN, 1920-

"People are not angels" by Ivan Stadniuk. Reviewed by Lidia Ivanova. Ogonek 41 no. 6:25 F '63.

STAGE LIGHTING

Bronnikov, A. A. [Lighting effects in theaters] Teatral'nye svetovye efekty. Moskva, Iskustvo, 1962. 95 p. (Repertuar khudozhestvennoi samodelatel'nosti, no. 25)

STAINLESS STEEL see Steel, Stainless

STAIRCASES

Taking down a staircase with the help of a helicopter. E. Boborykin. Na stroi. Ros. 4 no. 1:30 Ja '63.

STALIN, JOSEF, 1879-1953

The All-Union Conference of Soviet Historians. Nov. i noveish. ist. no. 2:3-43 '63.
How the party has developed and strengthened its contacts with the masses, 1953-1962. V. G. Pchel'in. Vop. ist. KPSS 7 no. 3:3-17 Mr '63.
Triumph of Lenin's ideas in the constitutional theory and practical development of the Soviet state. Sov. gos. i pravo 33 no. 4:3-16 Ap '63.

STALIN, BULGARIA see Varna, Bulgaria

STALINABAD see Dushanbe

STALINGRAD see Volgograd

STALINGRAD, BATTLE OF, 1942-1943

At the defense of Volgograd. V. Korshunov. Voen. znan. 39 no. 2:11 F '63.
"Beginning of the road" by V. I. Cuiikov. Reviewed by A. Kharitonova. Ogonek 41 no. 6:25 F '63.
Document of great courage. K. Tanih. Ogonek 41 no. 7:3 F '63.
Fate of the heroes of Pavlov's house. L. Savell'ev. Ogonek 41 no. 6:17 F '63.
The great battle on the Volga. S. Biriuzov. Polit. samoebr. 7 no. 2:33-41 F '63.
International significance of the victory on the Volga; on the 20th anniversary of the historical Battle on the Volga [with summary in English, p. 188]. V. K. Pechorin, A. M. Samsonov. Nov. i noveish. ist. no. 2:65-74 '63.
Struggle for a tractor plant. V. I. Chukov. Ogonek 41 no. 6:11-13 F '63.
Two-hundred days and nights. A. I. Eremenko. Ogonek 41 no. 6:1-2, 14-15 F '63.
Warriors remembered. ... M. Alekseev. Ogonek 41 no. 7:1-3 F '63.

STALINGRAD PROVINCE see Volgograd Province

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

STALINSK see Novokuznetsk

STALLIONS

Concentration of hydrogen ions in the sperm of stallions. P. P. Pechnikov. Trudy VNIK no. 17:123-132 '49.
Utilization of trotter sires for breeding purposes on stud farms in 1930-1943. A. P. Isupov. Trudy VNIK no. 17:5-40 '49.

STANDARDS, ENGINEERING

[Changes in state standards, 1962] Izmeneniia k gosudarstvennym standartam, 1962. Izd. ofitsial'noe. Moskva, Standartiz. Pt. 1-2. 1962.

[Information index of standards] Inform. ukaz. stand. 24 no. 2 '63.

Regulate standard planning. V. Kurshntruk. Stroi. i arkhitekt. 10 no. 7:11-12 Ji '62.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Schedule of standard planning for rural structures built in 1962.] Plan tipovogo proektirovaniia na 1962 g. dlia ob'ektov sel'skokhoziaistvennogo stroitel'stva. Moskva, Gosstroizdat, 1962. 48 p.

[MICROFILM]

Standard plans for rural construction worked out by the State Institute for the Design of Farm Structures of the Main Administration for the Design of Rural Buildings and Structures of the State Committee on Construction of the U. S. S. R. Stroi. stroi. 17 no. 2:32 F '63.

STANDARDS, MILITARY

(see also subdivision under Ukraine)

Military banners. Ogonek 41 no. 9:7 F '63.

STANISLAV PROVINCE see Ivano-Frankovsk Province

STANISLAVSKI, KONSTANTIN SERGEEVICH, 1863-1938

Forgotten theater. Nikolai Laman. Ogonek 41 no. 3: 14-15 Ja '63.
Great poet of the theater; on the 100th anniversary of the birth of K. S. Stanislavskii. Nataliia Uzhvii. Sov. Ukr. 13 no. 1:157-159 Ja '63.
Greatness. Norris Houghton. Ogonek 41 no. 3:12-13 Ja '63.
Handsome man. B. Petker. Kul't. -pros. reb. 24 no. 1: 17-18 Ja '63.
Konstantin Stanislavskii. A. Solodovnikov. Sov. Soluz. no. 12:36-39 '62.
Old photographs. Ogonek 41 no. 3:15 Ja '63.
Rehearsal by telephone. B. Livanov. Ogonek 41 no. 3: 11 Ja '63.
Stanislavskii and the present. Boris Zakhava. Ogonek 41 no. 3:9-10 Ja '63.
[Stanislavskii; writers, artists, and stage-directors recall the great personage of the Russian theater] Stanislavskii; pisateli, artisti, rezhissery o velikom deiatеле russkogo teatra. Moskva, Iskustvo, 1963. 278 p.
Theater as a school of life. A. Solodovnikov. Kul't. i zhizn' 6 no. 12:21-26 '62.
Three meetings. I. Kudriavtsev. Ogonek 41 no. 3:12-13 Ja '63.
Wings of the "Seagull." Oleksi Omel'chuk. Ukraina no. 2:14 Ja '63.

STANISLAVSKI, KONSTANTIN SERGEEVICH, 1863-1938—PORTRAITS, CARICATURES, ETC.

Unknown drawings. A. Almazov. Ogonek 41 no. 3:12 Ja '63.

STANUKOVICH, KONSTANTIN MIKHAILOVICH, 1844?-1903

Lozovik, G. N. [K. M. Stanukovich; an account of his life and works] K. M. Stanukovich; kritiko-biograficheski ocherk. Simferopol', Kyrmitzdat, 1953. 197 p. (OU)

STARAYA KUPAVNA—WOOL INDUSTRY—FINANCE

Give more attention to the analysis of the marketing of products. V. Zotov. Bukhg. uchët 20 no. 3:44-46 Mr '63.

STARAYA LADOGA—COMBS

Combs from Staraya Ladoga. O. I. Davidan. Arkheol. sbor. [Erm.] no. 4:95-100 '62.

STARAYA LADOGA—POTTERY, PRIMITIVE

Clay disks from Staraya Ladoga. Iu. I. Shtakel'berg. Arkheol. sbor. [Erm.] no. 4:100-115 '62.

STARS

Abastumani. Astrofizicheskaya observatoriia. [Transactions of the Third Plenum of the Committee on Stellar Astronomy of the Astronomical Council of the Academy of Sciences of the U. S. S. R., October 1960] Trudy tret'ego Plenuma Komissii zvezdnoi astronomii Astro-nomicheskogo sojeta Akademii nauk SSSR, oktiabr' 1960. Tbilisi, 1962. 152 p. (Iz. Bulletin', no. 27)

STARS—ATMOSPHERES

Diffusion of resonance radiation in stellar atmospheres and nebulae. Part 2: Layer of finite optical thickness [with summary in English]. V. V. Ivanov. Astron. zhur. 40 no. 2:257-267 Mr-Apr '63.

STARS—CATALOGS

Catalog of stars by al-Biruni with supplemented catalogs by Khayyam and al-Tusi. Ist. -astron. issl. no. 8: 85-192 '62.

STARS—CLUSTERS

Reality of the open cluster NGC 7639 (Cr 431) [with summary in English]. V. Shennikh. Astron. zhur. 40 no. 2:387-389 Mr-Apr '63.

Spherical star clusters in a quasi-steady state [with summary in English]. T. A. Agekian. Astron. zhur. 40 no. 2:318-328 Mr-Apr '63.

STARS—SPECTRA

Extra-galactic spectrophotometric standards; energy distribution in the spectra of selected stars in CGS units [with summary in English]. A. V. Kharitonov. Astron. zhur. 40 no. 2:339-350 Mr-Apr '63.

Investigation of the N III recombination spectrum in stellar envelopes and nebulae. Part 4: Equations of statistical equilibrium for the lower excited levels of C II, N III, O IV [with summary in English]. A. A. Nikitin, O. A. Akubovskii. Astron. zhur. 40 no. 2:245-256 Mr-Apr '63.

STATE, THE

Ziva, S. L. [Against the distortion of the problems of the state and law by the ideologists of anticomunism] Protiv izvrashcheniia ideologami antikomunizma voprosov gosudarstva i prava; metodicheskoe posobie v pomoshch' lektora. Moskva, Ob-vo po rasprostraneniia nauchn. i polit. informatsii RSFSR, 1962. 38 p.

[MICROFILM]

STATE FARMS

(see also subdivision under Crimea; Moscow Province; White Russia)

Legal regulation of the hours of labor on state farms [with summary in English]. T. V. Ivankina. Vest. i izv. 10 no. 5:112-120 '63.

Legal regulation of the work of Soviet state farms. N. I. Kovalenko. Sov. gos. i pravo 33 no. 4:100-115 Ap '63.

STATE FARMS—FINANCE

Accounting and business accounting on state farms. V. Semenov. Bukhg. uchët 20 no. 2:24-28 F '63.
Novikov, I. A. [Planning production and finance on state farms] Planirovanie proizvodstva i finansov v sovkhlozakh. Moskva, Ekonomizdat, 1962. 165 p.

STATE FARMS—MANAGEMENT

Economic basis of an efficient structure for planting acreages; using the example of the "Kashirskiy" State Farm, Moscow Province. L. M. Furman and others. Dokl. i soob. VNIISKII no. 13:61-75 '62.

Replies to our readers. Sov. profsoyuzy 19 no. 6:10-11 Mr '63.

Without a seasonal labor force. V. Saltanov. Sos. trud 8 no. 3:106-100 Mr '63.

STATES, NEW

The "third system" or genuine freedom?; prospects of the social development in the new self-governing countries. I. A. Gusevnyi. Mezhdunar. zhizn' 10 no. 4:68-66 Ap '63.

STATES, NEW—POLITICS

The noncapitalist way of development of the young national states. Polit. samoebr. 7 no. 2:42-52 F '63.

STATESMEN

People and politics. A. Doktorov and others. Mir. zhizn' i mezhdunar. otn. no. 3:131-135 '63.

STATISTICS

How to adopt statistical reports to automatic data processing. I. A. Tsipla. Vest. stat. no. 3:20-34 '63.

"Soviet judicial statistics" by S. S. Ostroumov. Reviewed by A. Gertsenzon. Vest. stat. no. 3:73-77 '63.

Statistical problems discussed in newspapers and journals. Vest. stat. no. 3:77-78 '63.

Study and planning of national economic proportions using the method of interbranch balance. III. I. Aromenko. Plan. khoz. 40 no. 4:34-41 Ap '63.

STATISTICS—CONGRESSES

In the Statistical Section of the Moscow House of Scholars. I. Boliakovskii. Vest. stat. no. 3:82-86 '63.

Recollections on the Third All-Union Statistical Congress S. I. Ugenburg. Vest. stat. no. 3:36-38 '63.

STAVROPOL—CANNING INDUSTRY—EQUIPMENT AND SUPPLIES

Mechanism for cutting and packaging the waste of tin plate. Solodunov. Ryb. khoz. 39 no. 3:60-61 '63.

STAVROPOL TERRITORY—COLLECTIVE FARMS

Kovalenko, V. I. [The little star shines over the steppe] Gorai' nad step'iu zvezdochko. [Moskva] Izd-vo "Molodaiia gvardiia," 1962. 46 p. (Vol oni - kom-somol'skie malaki)

STAVROPOL TERRITORY—COMMUNIST YOUTH LEAGUE

Well-chosen path. M. Kudin. Komsom. zhizn' no. 13:9-10 Ji '62.

STAVROPOL TERRITORY—GAS, NATURAL—GEOLOGY

Severo-Stavropol-Pologinsk gas field. N. S. Matveeva. Mat. GKZ no. 2:71-70 '63.

STAVROPOL TERRITORY—PEDDLERS AND PEDDLING

Struggle for a rich harvest is a nationwide concern. V. Bondarenko, I. Tolstykh. Sov. potreb. koop. 7 no. 4:5-7 Ap '63.

STAVROPOL TERRITORY—SOILS—COMPOSITION

Composition of wind erosion deposits from the Chernozem in Stavropol Territory [with summary in English]. P. I. Vorob'ev. Pochvovedenie no. 3:110-113 Mr '63.

STEAM—MEASUREMENT

Potroshkov, V. A., and B. Sh. Reider. [Methods for measuring the steam content of bakery oven chambers] *Metody izmereniya parosoderzhaniya v kamerakh khlebopekarnykh pechei.* Leningrad, 1962. 26 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Khlebopekarnaya promyshlennost', no. 2)

STEAM—THERMAL PROPERTIES

Calculation of thermodynamic function of polyatomic molecules in an ideal gaseous state. One molecule of H₂O. M. P. Vukalovich, R. I. Artym. *Teplotnergetika* 10 no. 4:75-78 Ap '63.

STEAM ENGINES, MARINE see Marine engines

STEAM NAVIGATION

Selecting a type of evaporator plant for seagoing cargo and passenger steamships. K. A. Afanas'ev. Inform. sbor. TSNIIMF no. 69 Tekh. ekspl. mor. flota no. 12: 79-89 '61.

STEAM TURBINES

Concerning the strength margin of high-temperature turbine components. Ch. G. Mustafin. *Teplotnergetika* 10 no. 4:28-30 Ap '63.

Determination of temperature difference along the diameter of the cylinder of a cooling steam turbine. G. I. Pavlovskii. *Teplotnergetika* 10 no. 4:18-21 Ap '63.

Efficiency of the K-160-130 (PVK-150) turbine manufactured by the Kirov Turbogenerator Plant in Khar'kov. *Teplotnergetika* 10 no. 4:8-14 Ap '63.

Experimental study of the moisture removal from behind the gate apparatus of a turbine stage. R. M. Iablonik. *Energomashinostroenie* 9 no. 2:4-6 F '63.

Thermal calculations of a turbine using the "Ural" digital computer. V. M. Zelenin. *Energomashinostroenie* 9 no. 2:21-23 F '63.

Use of scavenging feed water for preventing incrustation formation in turbine condensers. A. T. Kurnosov. *Energetik* 10 no. 6:30-31 Je '62.

STEAM TURBINES—MAINTENANCE AND REPAIR

Repair of the valve box of a steam turbine. B. K. Naumov. *Energetik* 11 no. 2:10-11 F '63.

STEAM TURBINES—TESTING

Trial runs of the K-100-90 turbine. B. L. Levchenko. *Teplotnergetika* 10 no. 4:2-7 Ap '63.

STEAM TURBINES—WELDING

Elimination of welding defects in high-pressure preheaters. I. I. Korol'kov. *Energetik* 11 no. 2:8 F '63.

STEAMBOATS—MAINTENANCE AND REPAIR

Breakdown of the steamship "Kaluga." A. S. Briker. Inform. sbor. TSNIIMF no. 75. Tekh. ekspl. mor. flota no. 14:95-102 '62.

STEEL

Benenson, N. M. [Manufacture of components from electrical steel] *Opyt izgotovleniya detalей iz elektrotekhnicheskoi stali.* Leningrad, 1962. 18 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Metallovedenie i termicheskaya obrabotka, no. 9)

Economically alloyed E1402M-L cast steel for turbines and equipment operating with metal temperatures up to 650° C. E. E. Levin and others. *Energomashinostroenie* 9 no. 1:30-33 Ja '63.

New economic carburizing EP176 (13KhN2MA) steel. G. N. Orekhov and others. *Vest. mashinost.* 43 no. 3: 42-44 Mr '63.

Spring-back in carbon steels. G. M. Bartenev, A. V. Briukhanov. *Uch. zap. Mosk. gor. ped. inst.* 86:100-139 '60.

STEEL—ANALYSIS

Protopopov, S. P. [Electronic device for determining residual austenite in steel] *Elektronnyi pribor dlia opredeleniya ostatocnogo austenita v stali.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 33. No. P. 58-92/4)

STEEL—CORROSION

Effect of sodium nitrite on the rate of corrosion of low-carbon steel in a stream of seawater. P. S. Shchorbakov. Inform. sbor. TSNIIMF no. 73. Tekh. ekspl. mor. flota no. 13:92-99 '62.

Tikov, V. A., and A. R. Iakubenko. [Effectiveness of steel protection against corrosion by various methods of oxidation] *Effektivnost' zashchity stali ot korrozii razlichnyimi metodami oksidirovaniia.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-108/11)

STEEL—ELECTROMETALLURGY

The electric current and vacuum are working. O. Brodskii, L. Mar'ushkin. *Nauka i zhytiia* 12 no. 1:29-30 Ja '63.

STEEL—HARDENING

Hardening of large forgings from the forging temperature. A. A. Astaf'ev and others. *Metalloved. i term. obr. met.* no. 3:24-28 Mr '63.

Heat-treatment hardening of pipe manufactured by the furnace welding method. I. A. S. Finkel'shtein, V. A. Gladkovskii, G. S. Batist. *Metalloved. i term. obr. met.* no. 3:33-35 Mr '63.

Nature of hardening austenitic steels. V. I. Grigorkin. *Izv. vys. ucheb. zav.; chern. met.* 6 no. 2:95-103 '63.

STEEL—HEAT TREATMENT

[Heat and chemical heat treatment of ferrous and non-ferrous metals] *Termicheskaya i khimiko-termicheskaya obrabotka chernykh i tsvetnykh metallov.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii.

Nos. 1, 3-4. 1958. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3. Nos. M-58-10/1, M-58-264/10, M-58-398/15.

Heat treatment of disk springs. V. N. Kokoryshkin. *Mashinostroitel'* no. 2:20 F '63.

Mechanical properties of 45 steel following rapid heat treatment. B. P. Kolesnik. *Metalloved. i term. obr. met.* no. 3:36-39 Mr '63.

New technological process for the heat treatment of driven gears in rear axles of the new GAZ-51 motor-truck. E. I. Natanzon. *Avt. prom.* 28 no. 8:40-44 Ag '62.

Recrystallization pattern during the heating of 4Kh13 steel. N. N. Lipchin, S. A. Kokovskina. *Metalloved. i term. obr. met.* no. 3:6-12 Mr '63.

Work of the Section of Metallography and Heat Treatment at the Kiev Regional Administration of the Scientific Technology Society for the Machinery Industry. S. S. Zaslavskii. *Metalloved. i term. obr. met.* no. 3:61-62 Mr '63.

STEEL—HYDROGEN CONTENT

Conditions of flake formation in steel. D. I. A. Povolotskii. *Izv. vys. ucheb. zav.; chern. met.* 6 no. 2:120-128 '63.

STEEL—INCLUSIONS

Quality and composition of sulfide inclusions in the weld metal during arc welding. N. M. Novozhilov, A. M. Sokolova. *Svar. protzv.* no. 3:12-16 Mr '63.

STEEL—METALLOGRAPHY

Effect of composition and structure on the impact toughness of steel at temperatures below freezing. Kh. Shumann. *Metalloved. i term. obr. met.* no. 3:15-20 Mr '63.

Mutual effect of silicon and phosphorus on their micro-segregation in steel and cast iron. I. A. N. Malinovich, T. V. Egorshina. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:138-141 Ja-F '63.

Substructure and distribution of dislocations in deformed mild steel. R. D. Rusev. *Metalloved. i term. obr. met.* no. 3:21-27 Mr '63.

STEEL—METALLURGY

Bril, S. D., and A. B. Partsevskii. [Ferrous metallurgy research institutes in capitalist countries] *Nauchno-issledovatel'skie uchrezhdeniia chernoi metallurgii kapitalisticheskikh stran.* Moskva, TSentr. in-t informatsii chernoi metallurgii, 1962. 55 p.

[MICROFILM]

Greater use in industry of semikilled steel. D. L. Litvinenko and others. *Metallurg* 6 no. 3:10-19 Mr '63.

"Nitrogen as an alloying element of steel" by M. L. Korolev. Reviewed by I. U. A. Geller. *Metalloved. i term. obr. met.* no. 3:52-53 Mr '63.

Semidead melt. M. Mishchenko. *Nauka i zhytiia* 12 no. 1:30 Ja '63.

[Steelmaking in machine manufacturing plants] *Staloplivnoe proizvodstvo na mashinostroitel'nykh zavodakh.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 1. No. M-58-37/2) No. 1. 1958. 14 p.

Third Plenum of the Scientific Technological Society for Ferrous Metallurgy. A. L. Novikov. *Metallurg* 6 no. 3:23 Mr '63.

STEEL—WELDING

Checking the weldability of heat-treated 20C carbon steel. V. S. Aristov, E. D. Kudinov, N. G. Serbin. *Sudostroenie* 29 no. 1:51-54 Ja '63.

STEEL, HEAT RESISTANT

Khimushin, F. F. [Alloying, heat treatment and properties of heat-resistant steels and alloys] *Legirovaniie, termicheskaya obrabotka i svoystva zharoprochnykh stali i sployov.* Moskva, Oborongiz, 1962. 335 p.

STEEL, HEAT-RESISTANT—WELDING

Livshits, L. S., and L. P. Bakhrakh. [Welding of E1578 and E1579 steel structures] *Svarka konstruktiv iz stali E1578 i E1579.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhn. i proizvodstvennyi opyt. Tema 12. No. M-58-281/24)

STEEL, STAINLESS

Corrosion resistance of stainless chromium-nickel steels in sodium as dependent on its oxygen content. G. Ilincev. *Atom. energ.* 14 no. 4:374-382 Ap '63.

Kasum-Zade, N. G. [Corrosion-resistant steels for the petrochemical industry] *Korroziionnostoikiie stali dlia promyshlennosti neftekhimicheskogo sinteza.* Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 207 p.

STEEL, STAINLESS—CORROSION

Davidovskaya, E. A., and others. [Effect of heat treatment on the tendency in stainless steel toward intercrystalline corrosion] *Vliianie termicheskoi obrabotki na sklonnost' nerzhavushchikh stali k mezhkristallinnoi korrozii.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-15/1)

STEEL, STAINLESS—ELECTROMETALLURGY

Electromagnetic agitation in making stainless steel in electric furnaces. E. I. Moshkevich, A. N. Porada, V. P. Akulov. *Metallurg* 8 no. 4:22-24 Ap '63.

Making stainless steel in high capacity electric furnaces. I. A. Leiberg, S. T. Ushakov. *Metallurg* 8 no. 4:19-21 Ap '63.

Reduction period in the electric smelting of stainless steel. E. I. Kadinov, S. I. Khitrik. *Izv. vys. ucheb. zav.; chern. met.* 6 no. 2:68-76 '63.

STEEL, STAINLESS—METALLURGY

Effect of rare-earth metals on the properties of stainless steel. E. M. Savitskii and others. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:133-137 Ja-F '63.

STEEL, STRUCTURAL

"Economics of steel elements" by I. A. M. Likharnikov. Reviewed by D. N. Streletski, N. G. Malina. *Prom. stroit.* 40 [i. e. 41] no. 3:55-56 Mr '63.

Ratner, B. R. [Economical steel for helical rib shapes] *Ekonomichnaya stal' dlia periodicheskikh profilov.* Moskva, Metallurgizdat, 1963. 124 p.

Regulation of the design of steel elements is the decisive factor in saving steel. I. Serbrennikov. *Prom. stroit. i inzh. soor.* 4 no. 1:4-7 Ja-F '63.

Strengthening steel trusses. I. Dobrykin, B. Simanovskaya. *Prom. stroit. i inzh. soor.* 4 no. 1:27-28 Ja-F '63.

STEEL, STRUCTURAL—STANDARDS

Standardization of steel elements for factory production in lots. A. F. Gal. *Prom. stroit.* 40 [i. e. 41] no. 3: 10-19 Mr '63.

STEEL, STRUCTURAL—TESTING

Bakhteev, S. M. [Deformability of structural carbon steel] *Deformiruemost' konstruktivnoi uglerodistoi stali.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-247/13)

Thermally strengthened low-alloy structural steel undergoes less brittle failure at low temperatures. R. G. Arone, P. I. Sokolovskii. *Prom. stroit.* 41 no. 2:28-30 F '63.

STEEL ALLOYS—HARDENING

Effect of carbon and the alloying of steel on carbide formation during tempering. L. S. Livshits, N. A. Grinberg, E. G. Kurkumelli. *Metalloved. i term. obr. met.* no. 3: 6-12 Mr '63.

STEEL ALLOYS—MAGNETIC PROPERTIES

Curie point of cementite preprecipitated from alloy steel. R. B. Gershman and others. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:119-120 Ja-F '63.

STEEL ALLOYS—METALLOGRAPHY

Characteristics of the X-ray pattern of 1Kh18N9TL and 1Kh18N9L steel. L. M. Suvorov. *Lit. protzv.* no. 2: 37 F '63.

STEEL ALLOYS—METALLURGY

Braun, M. P. [Effect of addition elements on the properties of steel] *Vliianie legiruyushchikh elementov na svoystva stali.* Kiev, Goskizhizdat URSS, 1962. 190 p.

New method of adding ferro-titanium to 1Kh18N9T steel. M. A. Petrov. *Lit. protzv.* no. 5:40-41 My '62.

STEEL CASTINGS

Formation of sieve-like porosity in steel castings. E. P. Babich, V. P. Saburov, V. V. Postyka. *Lit. protzv.* no. 5:30-32 My '62.

Making quality castings of 1Kh18N9T steel. V. F. Smolnikov, E. I. Moshkevich. *Lit. protzv.* no. 2:7-8 F '63.

STEEL CASTINGS—DEFECTS

Trubitsyn, N. A., and others. [Hot crack resistance in carbon steel castings] *Gorlachaia treshchinostoi-chivost' litoi uglerodistoi stali.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 1. No. M-58-207/4)

- STEEL CASTINGS—WELDING**
Naumchenkov, N. E., and I. A. L. Minkov. [Fatigue strength of the joints in 36L steel castings made by electric-slag welding. Properties of metal deposited by GIAP-4 electrodes] Ustaloostanala prochnost' soedinenii litoi stali 36L, vypolnennykh elektroshtakovoi svarkoi. Svoistva metalia, naplavlennogo elektrodami GIAP-4. [By] I. A. Zaks. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12. No. M-58-396/31)
- STEEL FORGINGS**
Hardening of large forgings from the forging temperature. A. A. Astaf'ev and others. Metalloved. i term. obr. met. no. 3:24-28 Mr '63.
New technology for manufacturing ring-type forgings. A. T. Bundin. Trakt. i sei'khodz mash. 33 no. 2:45-47 F '63.
- STEEL FORGINGS—DEFECTS**
Kordonskaia, R. B., and R. P. Pavlov. [Ultrasonic testing of large cylindrical forgings with various metallurgical defects] Ul'trazvukovoi kontrol' krupnykh tsilindricheskikh pokovok s razlichnymi metallurgicheskimi porokami. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-182/8)
- STEEL INDUSTRY**
(see also subdivision under France; Lipetsk; Nizhnyi Tagil)
All-out effort for increased labor productivity. V. Podzerno. Metallurg 8 no. 3:1-2 Mr '63.
- STEEL INDUSTRY—FINANCE** see subdivision under Dnepropetrovsk
- STEEL INDUSTRY—MANAGEMENT**
Vlasov, B. V. [Ways to save labor in auxiliary work in industry] Puti ekonomii truda na vspomogatel'nykh rabotakh v promyshlennosti. Izd. 2, ispr. i dop. Moskva, Ekonomizdat, 1962. 242 p.
- STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS**
Mastering innovators' practice in the working area. E. Kholodnyi. Sots. i tur. 8 no. 3:118-123 Mr '63.
- STEEL INGOTS**
Dudkin, V. A. [Investigating by means of radioactive tracers the formation of chemical heterogeneity in the axial zone of an ingot during the crystallization of killed steel] Issledovanie protessa obrazovaniia khimicheskoi neodnorodnosti osevoi zony slitka pri kristallizatsii spokoinoi stali metodom radioaktivnykh indikatorov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 23. No. M-58-110/2)
[Pouring of alloyed steel with the use of petroleum] Razliva legirovannoi stali s petrolatumom. [By] G. A. Khasin i dr. Moskva, Metallurgizdat, 1963. 44 p.
- STEEL INGOTS—HYDROGEN CONTENT**
Kinetics of gas removal from steel products. R. A. Riazov, P. V. Gel'd. Izv. vys. ucheb. zav. i chern. met. 6 no. 2:111-114 '63.
- STEEL PIPE** see Pipe, Steel
- STEELWORKS** see Iron and steel plants
- STEERING GEAR**
Automatic unit for keeping the ship on a preset course. L. N. Muratkov. Sbor. izobr. v ryb. prom. za 1959 g. i 90-100.
Reverse steering gear for ships with a water-jet propeller. V. V. Rastorguev, V. I. Martynin. Sbor. izobr. v ryb. prom. za 1959 g. 131-132.
Water-jet propelling and steering gear. A. G. Chugaev. Sbor. izobr. v ryb. prom. za 1959 g. 129-130.
- STEFANYK, VASYL' SEMENOVYCH, 1871-1936—BIBLIOGRAPHY** see Bibliography—Stefanyk, Vasil' Semenovych, 1871-1936
- STEL'MAKH, MIKHAIL AFANASEVICH, 1912-**
Truth and the people. V. Voronov. Ogonek 40 no. 20:17 My '62.
- STEREOCHEMISTRY**
Infrared absorption spectra of propenyllithium stereoisomers. A. N. Nesmelanov and others. Dokl. AN SSSR 148 no. 6:1312-1313 F '63.
Stereochemistry of cyclic compounds. Report No. 52; Regularities in the addition of hypobromous acid to dimethyl-cis-syn-7-methoxy-1,2,3,9,10,10-hexahydrophenanthrene-1,2-dicarboxylate. L. K. Lysanchuk, V. M. Andreev, V. F. Kucherov. Izv. AN SSSR, Otd. khim. nauk. no. 4:706-715 Ap '63.
- STEREOPHONIC SOUND SYSTEMS**
(see also subdivision under Bulgaria)
Device for observing phase relationships in stereophonic recording. A. Arshinov, I. U. Voznesenskii. Radio no. 4:51, 54 Ap '63.
- STEREOSCOPIC PHOTOGRAPHY** see Photography, Stereoscopic
- STEREOTYPING—EQUIPMENT AND SUPPLIES**
Effect of cooling conditions on the structure and hardness of stereotypes. V. I. Chestnov. Poligr. proizv. no. 2: 21-22 F '63.
- STERIC HINDRANCE**
Hydrogen bonding studied by means of nuclear magnetic resonance; effect of steric hindrances on the hydrogen bond in diorthoalkyl phenols. V. F. Bystrov and others. Dokl. AN SSSR 148 no. 5:1077-1080 F '63.
- STERILITY**
Hysterosalpingography as a diagnostic and therapeutic method in tubal sterility. V. I. Abgarov, A. M. Mazel. Azerb. med. zhur. 40 no. 1:42-46 Ja '63.
- STERILIZATION—EQUIPMENT AND SUPPLIES**
Application of the statistical analysis in selecting the pressure gauge for the "APRS-1" sterilization regulators. F. I. Kogan, A. I. Popovich. Izv. vys. ucheb. zav. i spishch. tekhn. no. 1:126-131 '63.
- STERIODS**
"Chemistry of natural compounds; carbohydrates, nucleotides, steroids, proteins" by N. K. Kochetkov, I. V. Torgov, M. M. Botvink. Reviewed by G. I. Samokhvalov. Vest. AN SSSR 33 no. 3:141-143 Mr '63.
- STIMULANTS**
Changes in the sensitivity of effectors to the action of neural and humoral stimulants during the aging of the organism. V. V. Frolikis, N. S. Verkhatskii. Dokl. AN SSSR 148 no. 5:1228-1230 F '63.
- STOCK AND STOCKBREEDING**
(see also subdivision under Gorkiy Province; Kalmykian Valley; Kasimov District; Kirghizistan; Pervomayskiy District, Tambov Province; White Russia)
In the most important sector. I. Pisarenko. Sel', mekh. no. 8:12-13 '62.
- STOCK AND STOCKBREEDING—ABSTRACTS**
[Animal husbandry, Veterinary medicine] Ref. zhur. i Zhiv. Vet. nos. 7-8 Ap '63.
- STOCK AND STOCKBREEDING—AUDITING AND INSPECTION** see subdivision under Rostov Province
- STOCK AND STOCKBREEDING—BIBLIOGRAPHY** see Bibliography—Stock and stockbreeding
- STOCK AND STOCKBREEDING—COSTS** see subdivision under Mogilev Province
- STOCK AND STOCKBREEDING—RESEARCH**
Simplest analyses and research in stockbreeding. V. K. Dymov. Shkola i proizv. 6 no. 1:88-73 N '62.
- STOCKYARDS**
Mechanization of stock yards and dairy barns is of utmost importance. S. Neumov. Sel', mekh. no. 8:17-18 '62.
- STOCKYARDS—ELECTRIC EQUIPMENT**
Use of mobile electric machinery with flexible power supply lines in stockyards and dairy barns. V. A. Gamahtskii. Nauch. trudy VIESKH 11:52-65 '62.
- STOKERS, MECHANICAL**
Friction forces and the flow of coal along a horizontal reciprocating surface. A. M. Plesovskikh. Trudy NIIVTa no. 12:107-171 '62.
- STOMACH—CANCER**
Causes of death in stomach cancer patients who have and have not undergone radical surgery. V. M. Abdullayev. Azerb. med. zhur. 40 no. 1:53-56 Ja '63.
- STOMACH—DISEASES**
Acid resistance of erythrocytes in various gastric diseases. L. S. Solov'eva. Vop. biotiz. i biokhim. i pat. erit. no. 2:288-297 '61.
- STOMACH—SECRETIONS**
New method of determining gastric secretion in patients suffering from Botkin's epidemic hepatitis. E. Ia. Kurt-Iakovets. Trudy Kish. gos. med. inst. 13:125-131 '60.
Role of the tactile and gustatory receptors in the origination of a reflex from the oral cavity on the gastric secretion. S. I. Krishtab. Probl. stom. 6:386-389 '62.
- STOMACH—SURGERY**
Babichev, S. I. [Total gastrectomy] Total'naya gastrektomiia. Moskva, Medgiz, 1963. 194 p. (DNLM)
Resection of the stomach for peptic ulcer after a third perforation. K. G. Struzhko. Sov. zdrav. Kir. no. 1: 57-58 Ja-F '63.
- STOMACH—TUMORS**
Some errors in the diagnosis of stomach polyposis. N. Tachmuradov. Zdrav. Turk. 2 no. 6:8-11 N-D '58.
- STOMATOLOGY**
Progress in local anesthesia in stomatology. S. N. Vaisblat. Probl. stom. 6:332-337 '62.
Use of a novocaine-alcohol solution in stomatological practice. V. R. Firskov. Probl. stom. 6:395-398 '62.
- STONE**
Petrov, V. S. [Precious and semiprecious stones] Dragotsennye i tsivotnye kamni. [Moskva] Izd-vo Mosk. univ., 1963. 134 p.
- STONE AGE**
(see also subdivision under Amga Valley; Bashkiria; Caucasus; Dankov District; East European Plain; Gagarino, Voronezh Province; Ossetia, North; Pechora Valley; Seliger Lake region; Tashlyk Valley; Torskoie region)
Work of sections of the Institute of Archaeology of the Academy of Sciences of the U.S.S.R. V. I. Anr'kovin, L. Ia. Krizhevskaya. Krat. soob. Inst. arkh. i etn. 105-112 '62.
- STONE IMPLEMENTS** see subdivision under Altai Mountains; Chechen-Ingush A. S. S. R.; Volga Valley; Zhitomir region
- STONY TUNGUSKA VALLEY** see Podkamennaya Tunguska Valley
- STOPING (MINING)**
Bearing pressure in slope areas. I. U. M. Liberman. Fiz., mekh. svoist., dav. i razr. gor. porod no. 1:86-95 '62.
Choice of physical heat constants in calculating heat of mine methane in slopes. E. I. Baranov, V. H. Tere-shchenko. Zbir. prats' Inst. tepl. AN URSR no. 24:49-52 '62.
- STORAGE BATTERIES**
Use and maintenance of storage batteries. K. Aleksaklin. Radio no. 4:52-54 Ap '63.
- STORAGE BATTERIES—MAINTENANCE AND REPAIR**
Systems for efficient maintenance of storage batteries. L. V. Gutarovich. Khok. tekhn. 40 no. 1:48-49 Ja-F '63.
- STORES, RETAIL** see subdivision under Moscow
- STORES, RETAIL—DESIGN AND CONSTRUCTION** see subdivision under Leningrad
- STOWAGE** see subdivision under Poland
- STRABISMUS**
"Concomitant squinting and anisotropia"; "Uchenye zapiski" of the State Scientific Research Institute for Eye Diseases, no. 7. Reviewed by N. I. P'zman. Oft. zhur. 17 no. 7:444-445 '62.
- STRADIVARI, ANTONIO, d. 1737**
Master from Cremona. I. Kafanova. Ogonek 41 no. 2: 16 Ja '63.
- STRAIN GAUGES**
Measuring flexural stress in shafting by lever-type gauges. E. S. Reinberg. Sudostroenie 20 no. 1:72-73 Ja '63.
Petrov, L. V. [2TSU-2 strain-measuring unit] Tenzometricheskii standart 2TSU-2. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-107/12)
Sokolik, A. I., and V. M. Bortsov. [IV-13, IV-13M and IV-13MA time-interval indicators, TTU-6-55 three-channel strain-measuring amplifier] Izmeritel' intervalov vremeni IV-13, IV-13M i IV-13MA. Trekhkanal'nyi tenzometricheskii usilitel' tipa TTU-6-55. [By] L. U. Poliakovekil. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 17 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-22/4)
- STRAINS AND STRESSES**
Bearing pressure in slope areas. I. U. M. Liberman. Fiz., mekh. svoist., dav. i razr. gor. porod no. 1:86-95 '62.
Calculations of reactive stresses in reinforcement from submerged arc welding. M. E. Plesitsyn. Transp. stroit. 13 no. 2:45-48 F '63.
Experience in the operation of steel span structures of railroad bridges reinforced with the use of welding. V. O. Osipov. Trudy MNT no. 154:64-105 '62.
Fatigue destruction of the parts of riveted spans of old bridges. G. K. Evgrafov and others. Trudy MNT no. 154:5-63 '62.
On the theory of elastic deformations of rubber. G. M. Bartenev, T. N. Khisanovich. Uch. zap. Mosk. gor. ped. inst. 88:141-156 '60.
Plastic zones around a circular hole in a plane nonhomogeneously stressed field taking into consideration normal and tangential forces [with summary in English]. I. I. Khoma. Prikl. mekh. 9 no. 2:167-173 '63.
The problem of relieving stresses in sheet thermoplastics. L. F. Dandlenko, V. A. Shatskova, G. I. Shapiro. Sbor. trud. NIIST no. 12:122-127 '62.

STRAINS AND STRESSES (Continued)

Spring-back in carbon steels. G. M. Bartenev, A. V. Briukhanov. Uch. zap. Mosk. gor. ped. inst. 86:109-139 '60.
Strained state caused by deep extrusion. N. P. Kolesnikov. Avt. prom. 28 no. 8:34-36 Ag '62.
Using models to study gravitational stresses in structures on a nonhomogeneous foundation. G. L. Khesin. Izv. vys. uch. zav., stroi. i arkhit. 6 no. 1:83-86 '63.
STRATIGRAPHIC GEOLOGY see Geology, Stratigraphic
STRAVINSKI, IGOR' FEDOROVICH—1882-
Half a century later. M. Sabinina. Kul't. i zhizn' 6 no. 12:31-33 '62.

STREETCARS—ELECTRIC EQUIPMENT

Streetcars should have pole current collectors. A. Afanas'ev and others. Zhil. - kom. khoz. 13 no. 2:16-17 '63.

STRENGTH OF MATERIALS

Determining the intensity of the energy of destruction of solid bodies [with summary in English]. V. V. Pann-siuk, S. E. Kovchik. Prikl. mekh. 9 no. 2:183-189 '63.

STRENGTH OF MATERIALS—STUDY AND TEACHING
Improve the program on structural mechanics and the theory of elasticity and plasticity. V. S. Kuemartsev, N. A. Ter-Emanuil'ian, M. T. Bokareva. Izv. vys. uch. zav., stroi. i arkhit. 6 no. 1:134-135 '63.

STREPTOMYCIN

Change in the physiological requirements of Bacillus lousus under the action of streptomycin [with summary in English]. N. D. Ierusalimskii, E. V. Grishankova, L. A. Shevchenko. Mikrobiologiya 31 no. 6:995-1001 N-D '62.
Some indicators of protein metabolism in dysentery patients treated with levomecetin and streptomycin. N. V. Malakova. Trudy Kish. gos. med. inst. 13:119-122 '60.
Streptomycin, radiation and natural mutability. N. P. Dubinin, T. I. A. Grozdova. Dokl. AN SSSR 148 no. 6: 1397-1399 F '63.

STRIKES AND LOCKOUTS see subdivision under Poland; Ukraine

STRIKES AND LOCKOUTS—COAL MINERS see subdivision under France

STRIKES AND LOCKOUTS—RADIOBROADCASTING see subdivision under Brazil

STRIP MINING

(see also subdivision under Belogorskiy region; East Kazakhstan Province; Kirov Rog Basin; Len-ingorsk region, East Kazakhstan Province; Zyrjanovsk District)
Choosing effective methods for removing overburden rocks at upland strip mines. E. P. Okol'zin, V. S. Iamshchikov. Sbor. trud. VNIINerud no. 2:74-82 '62.
Mal'ashkova, A. F., and K. F. Druzhinin. [Layout selection and calculation of tracks for railroad stations in open-pit mines] Vylor skhem i raschet putevogo razvitiia zheleznodorozhnykh stantsii na kar'orakh. Moskva, Gosgortekhnizdat, 1962, 30 p.
Some problems in strip-mining operations in pits with a limited area. S. V. Puk. Trudy Alt. GIMII AN Kazakh. SSR 13:71-84 '62.

STRONTIUM see subdivision under Tashkent Province

STRONTIUM COMPOUNDS

Complex compounds of strontium with some dicarboxylic organic acids. I. E. Bukolov and others. Zhur. neorg. khim. 7 no. 7:1577-1582 JI '62.
Liquidus of the ternary reciprocal system consisting of rubidium and strontium nitrates and nitrates. P. I. Protsenko, G. K. Shurshumov. Zhur. neorg. khim. 7 no. 7: 1644-1647 JI '62.

STRONTIUM SILICATE

Solid solutions of some rare earth orthosilicates with strontium orthosilicate. N. A. Toropov, Mao Chzhi-taiun [Mao Chih-ch'ung]. Zhur. neorg. khim. 7 no. 7:1632-1635 JI '62.

STROPHANTHIN

Coagulability of the blood and the time of recalcification following the injection of strophanthin K. M. T. Khanov. Vop. biol. i kraev. med. no. 3:241-242 '62.
Some hemodynamic indicators of blood circulation insufficiency in patients treated with the new native glycosides oltoriside and strophanthin K. L. A. Tykaeva. Vop. biol. i kraev. med. no. 3:234-240 '62.

STRUCTURAL FRAMES

Golman, Sh. M. [Using the methods of consecutive balancing in designing plane frames] Raschet ploskikh ram sposobami posledovatel'nogo uravnoveshivaniia. Tashkent, 1962. 232 p. (Tashkent, Institut Inzhenerov zheleznodorozhnogo transporta. Trudy, no. 15)

STRUCTURAL GEOLOGY see Geology, Structural

STRUCTURAL STEEL see Steel, Structural

STRUCTURES, THEORY OF

Akademii stroitel'stva i arkitektury SSSR. Institut stroitel'nykh konstruktsei. [Vibrations of buildings and structures] Kolebania zdani i sooruzhenii. Pod red. B. G. Korenova, Moskva, Gosstroizdat, 1963. 221 p.
Forms of the bending of buildings on highly compressible soil foundations. A. T. Iovchuk. Sbor. nauch. trud. LSI no. 37:130-138 '62.
Present state of the problem of the design of elements. N. S. Streletski. Izv. vys. uch. zav., stroi. i arkhit. 6 no. 1:3-11 '63.

STUDENT ACTIVITIES
(see also subdivision under Tajikistan)

To know and to be able to do it. IU. Glebov, V. Nekhtin. Sov. Soluz. no. 12:19-23 '62.
"Schools with longer hours" by B. S. Kobzar. Reviewed by D. I. Vozdins'kiy and others. Rad. shk. 41 no. 2: 111 F. '63.
A year later. Vladimir Belov. Smena 40 no. 1:30-31 Ja '63.

STUDENTS

Here they are always concerned about the students' daily routine and leisure. Vest. vys. shkoly 21 no. 4:76-77 Ap '63.

STUDENTS, CUBAN

"Guajiro" in the homeland of freedom. L. Luganov. Smena 39 no. 22:3-5 N '62.

STUDENTS, FOREIGN see subdivision under Moscow

STURGEONS see subdivision under Taimlyansk Reservoir

STYLE IN DRESS see Fashion

STYRENE

Formation of ion-radicals under the effect of gamma rays on the system tetrahydrofuran — styrene at -190°. A. I. Nepomniashchii, V. I. Muromtsev, Kh. S. Bagdasarian. Dokl. AN SSSR 149 no. 4:901-904 Ap '63.

STYRENE POLYMERS

Determination of absolute rates of chain growth and initiation in anionic polymerization of styrene. Kh. S. Bagdasarian, A. I. Nepomniashchii. Kin. i kat. 4 no. 1:60-66 Ja-F '63.
Transition of plane structures of isotactic polystyrene to spherulites. V. A. Kargin, T. A. Koretskaia, T. A. Bogoevskaya. Dokl. AN SSSR 149 no. 2:370 Mr '63.

SUBLIMATION (PHYSICAL SCIENCES)

Sublimation during heat transfer in ice. V. K. Shelekov. Mt. k. uch. o merz. zon. zem. kory no. 8:53-74 '62.

SUBMARINE BOATS

[Submariners] Podvodniki; sbornik ocherkov. [Moskva] Izd-vo "Molodaia gardia," 1962, 173 p.

SUBMARINE TANKERS

Expanding submarine shipping (news from abroad). IU. Plenkina. Mor. flot 23 no. 3:41-42 Mr '63.

SUBMARINE WARFARE—DICTIONARIES

Favorov, P. A., A. S. Bondarenko, and L. N. Shuklin. COMPE. [English-Russian dictionary on submarines and ant submarine defense] Anglo-russkii slovar' po podvodnoi lodkam i protivolodochnoi obrone. Pod red. A. I. Rodionova. Moskva, Voenizdat, 1963. 260 p.

SUBSTITUTE PRODUCTS

Here metal is a luxury. S. Pigolev. Izobr. i rats. no. 7: 0 JI '62.

SUBSTITUTES FOR METALS see Metals, Substitutes for

SUBSTITUTION (CHEMISTRY)

Absorption spectra of 3-keto-2, 3-dihydroxythionaphthene and its derivatives. Part 5: Effect of ortho-substituents on absorption spectra and photostability of substituted 2-benzylidene-3-keto-2, 3-dihydroxythionaphthene. M. A. Mostoslavskii, V. A. Izmail'skii. Zhur. ob. khim. 33 no. 3:739-744 Mr '63.
Effect of substituents on the formation of the condensed tetrazole(1, 5-b)benzothiazole. L. F. Avramenko, V. I. A. Pochinok, IU. S. Rozum. Zhur. ob. khim. 33 no. 3:990-995 Mr '63.

SUBWAYS

(see also subdivision under Kiev; Moscow)
"Road to hell" V. Vladimirov. Ogonek 41 no. 2:30-31 Ja '63.

SUCCESSING ACID

Comet preventing action of wetting agents in the coating of photographic emulsions. Part 5. Comet preventing action of acid esters of the sulfosuccinic acid and their effect on the kinetic wetting. S. M. Levi and others. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:87-91 Mr-Apr '63.

SUCROSE

Spectrophotometric investigation of sucrose caramelization. A. R. Sapronov. Izv. vys. uch. zav., pishch. tekhn. no. 1:33-37 '63.

SUEZ CANAL—FLOATING DOCKS

New floating dock in the Suez Canal. D. IUz. Mor. flot 23 no. 3:43 Mr '63.

SUGAR—TRANSPORTATION

Rapid method of loading and unloading of unrefined sugar by the direct variant. I. Ledovskikh. Mor. flot 23 no. 3:10-13 Mr '63.

SUGAR BEETS

(see also subdivision under Ukraine)
Growing of sugar beets. R. Falzov. Shkola i prosv. 6 no. 12:75-76 D '62.
Lebedik, A. I., V. I. Galkin, and G. I. Roginskii. [Work on Vladimir Svetlichnyi's] Rabota kak Vladimir Svetlichnyi. Kishinev, Partincoe izd-vo TsK KP Moldavii, 1962, 48 p. (Opyt peredovikov-vseml) (DNAL)

Types of tractor-mounted vegetable and sugar beet planters. V. I. Aleksandrov, B. F. Kuznetsov. Trakt. i sel'khoz. mash. 32 no. 12:28-30 D '62.

SUGAR BEETS—FERTILIZERS AND MANURES

(see also subdivision under Ukraine)
Dovdariani, Sh. G. [Row placement of fertilizers on sugar beets during sowing] Rladavoe udobronie sakhar-noi avokii pri seve. Tbilisi, Izd-vo Akad. nauk Gru-zinskoi SSR, 1956, 25 p. [In Georgian] (DNAL)

SUGAR BEETS—PRICES

Economically based changes in sugar beet prices. V. P. Boev. Dokl. i soob. VNIESKH no. 13:120-133 '62.

SUGAR FACTORIES—DESIGN AND CONSTRUCTION

Combined assembly-line construction of a group of sugar refineries. O. Belostotskii. Prom. stroi. i inzh. soov. 4 no. 1:8-12 Ja-F '63.

SUGAR INDUSTRY

(see also subdivision under Ukraine)
Sugar and politics. I. Shvartshtein. Mir. ekon. i mezhdunar. otn. no. 3:113-114 '63.

SUGAR INDUSTRY—EQUIPMENT AND SUPPLIES

"Heat-generating plants and equipment of sugar factories" by M. S. Gurevich, P. D. Fedorov. Reviewed by I. A. Trub. Izv. vys. uch. zav., pishch. tekhn. no. 1:159-160 '63.

SUGAR MANUFACTURE

Galabutski, P. G., and A. A. Gerasimonko. [Methods of investigation and the chemical and technological control of beet-sugar production] Metody issledovaniia i khimiko-tekhnologicheskii kontrol' sveklosakharnogo proizvodstva. Pod red. P. V. Golovina. Kiev, Izd-vo Akad. nauk USSR, 1962, 355 p.
Litvak, I. M. [Technology and technicochemical control of beet sugar manufacture] Tekhnologiya i tekhnicheskii kontrol' sveklosakharnogo proizvodstva. Moskva, Pishchepromizdat, 1962, 447 p.

SUGARS

Effect of ipazine on the content and composition of free sugars and amino acids in the cotton plant. A. F. Idiatulina. Vop. biol. i kraev. med. no. 3:127-131 '62.

SUGARS—ANALYSIS

Determining fermenting sugars in beet-sugar molasses. B. M. Nakhmanovich. Sbor. prom. 29 no. 2:29-31 '63.
Using the paper chromatography method for the quantitative determining of sugars in pentose and hexose hydrolyzates. O. B. Kraifanskii, D. N. Lataeva, I. F. Rudomanova. Izv. vys. uch. zav., pishch. tekhn. no. 1: 149-152 '63.

SUGGESTION SYSTEMS

Glenko, A. V. [Millions of rubles from grams of raw material] Millions rublei iz grammov syr'ia. [Moskva] Mosk. rabochii, 1962, 37 p. (Novatory semi-lekti)

Replies to our readers. Sov. profsoluzi 18 no. 6:30-31 Mr '63.

SUKBATOR, 1893-1923

Sukbator. Pavel Krachenko. Ogonek 41 no. 5:18-19 Ja '63.

SUKHUMI—ANTHROPOLOGICAL RESEARCH

State of the hemopoietic system of imported Rhesus monkeys in Sukhumi vivarium. M. I. Kuksova. Vop. antr. no. 11:119-127 '62.

SUKHUMI—CLASSICAL ANTIQUITIES

Searching for drowned cities. V. Pashchuk, V. Vishnevskii. Smena 40 no. 4:30-31 F '63.

SULEIMENOV, OLZHAS

"Sunny nights" by Olzhas Suleimenov. Reviewed by V. Voronov. Ogonek 41 no. 3:24 Ja '63.

SULFAMETHAZINE

Combined treatment of inflammatory diseases of the gall bladder and the bile ducts. E. M. Chelak. Trudy Kish. gos. med. inst. 13:53-54 '60.

SULFANILAMIDE

Complex compounds of trivalent cobalt with dimethylglyoxime and sulfanilamides. A. V. Ablov, V. N. Shafran-skii. Zhur. neorg. khim. 7 no. 7:1521-1524 JI '62.

SULFATES

Isothermal solubility diagram for the quaternary system $\text{FeSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{MnSO}_4 - \text{MnSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{ZnSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{H}_2\text{O}$ at 40°C . I. U. D. Tret'yakov, I. N. Kachanov. Zhur. neorg. khim. 7 no. 7:1708-1715 JI '62.

Isothermal solubility diagram for the quaternary system $\text{MnSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{MgSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{NiSO}_4 \cdot (\text{NH}_4)_2\text{SO}_4 - \text{H}_2\text{O}$ at 40°C . I. U. D. Tret'yakov, A. Kh. Bagdasar'yan. Zhur. neorg. khim. 7 no. 7:1716-1723 JI '62.

Solubility and solid phases in the system $(\text{NH}_4)_2\text{Mg}(\text{SO}_4)_2 - (\text{NH}_4)_2\text{Ni}(\text{SO}_4)_2 - \text{H}_2\text{O}$ at 25° . I. N. Ivanova, M. I. Ozerova, E. I. Egorova. Zhur. neorg. khim. 8 no. 4:977-980 Ap '63.

SULFIDES see subdivision under Sweden

SULFONAZA

Sulfonazo as a reagent for the determination of scandium [with summary in English]. V. G. Brudt and others. Zhur. anal. khim. 17 no. 5:566-573 Ag '62.

SULFONE

Aryl sulfonyltrifluoromethylsulfonylmethanes. L. M. Iagupol'skii, N. V. Kondratenko. Zhur. ob. khim. 33 no. 3:920-923 Mr '63.

SULFONIC ACIDS

Diazonium salts of arylsulfonic acids. Infrared spectra in the region of stretching vibrations of the SO_2 group. V. V. Kozlov, I. A. Kolesnik. Zhur. ob. khim. 33 no. 3:748-754 Mr '63.

Diazonium salts of arylsulfonic acids. Infrared spectra in the region $2100-2300 \text{ cm}^{-1}$. B. S. Kikot', I. A. Kolesnik. Zhur. ob. khim. 33 no. 3:997-1001 Mr '63.

SULFUR

Interaction of aluminum antimonide with sulfur. M. S. Mirgalovskaja, I. A. Strelnikova. Zhur. neorg. khim. 8 no. 4:950-953 Ap '63.

SULFUR BACTERIA see Bacteria, Sulfur

SULFUR ISOTOPES

Rate of formation of sulfur-containing precursors of hair keratin in the skin of sheep following the peroral administration of sulfate and methionine. A. L. Paducheva, Z. I. Volkova, Zh. A. Feofilova. Dokl. AN SSSR 148 no. 5:1205-1206 F '63.

SULFUR ORGANIC COMPOUNDS

Thiol-disulfide exchange in polysulfide polymers. R. A. Shliakhter, N. P. Apukhtina, T. P. Nasonova. Dokl. AN SSSR 149 no. 2:345-347 Mr '63.

SULFURIC ACID

System $\text{MgSO}_4 - \text{H}_2\text{SO}_4 - \text{H}_2\text{O}$. D. P. Belotskii, M. F. Khokhol. Zhur. neorg. khim. 8 no. 4:1014-1016 Ap '63.

SUN

Radio emission of solar active regions in the millimeter wave range [with summary in English]. A. G. Kisilakov, A. E. Salomonovich. Astron. zhur. 40 no. 2:229-234 Mr-Apr '63.

SUNFLOWER SEED see subdivision under Ukraine

SUNFLOWER SEED—MICROBIOLOGY

Effect of gas conditions on the microflora of sunflower seeds. N. V. Trubitsyn, V. M. Kopeikovskii. Izv. vuz. ucheb. zav. pishch. tekhn. no. 1:22-23 '63.

SUNFLOWERS—DISEASES AND PESTS see subdivision under Ukraine

SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

SUPERSONIC TESTING see Ultrasonic testing

SUPERSONIC WAVES see Ultrasonic waves

SUPERSTITION

[see also subdivision under Easter Island; Volchansk] Miscellaneous tornadoes. A. Marchenko. Nauka i rel. 4 no. 3:13-15 Mr '63.

News on various topics. Voiv. ateist 3 no. 3:50-51 Mr '63.

SUPPLY AND DEMAND

Korzhenevskii, I. I. [Market capacity and methods for calculating it] "Emkost' rynka i metody ee ischisleniya. Moskva, Gostorgizdat, 1962. 132 p.

Nauchnaya konferentsiya po voprosam opredeleniya potrebnosti naseleniya v tovarakh, Kiev, 1961. [Determining the population's demand for goods] Opredelenie potrebnosti naseleniya v tovarakh; materialy. Kiev, Izd-vo Akad. nauk USSR, 1962. 270 p.

SUPPOSITORIES

Effect of thickeners on the quality of suppositories. H. P. Pivnenko and others. Farmatsev. zhur. 17 no. 4:9-13 '62.

SUPPURATION

Dzhumaev, V. K. [Antibacterial preparations in surgical purulent diseases] Antibakterial'nye preparaty pri khirurgicheskikh gnoynykh zabolevaniyakh. Tashkent, Medgiz UzSSR, 1962. 125 p. (DNLM)

SURFACE-ACTIVE AGENTS

Effect of surface-active impurities on the surface tension and microhardness of bismuth. I. P. Altynov. Uch. zap. Mosk. gor. ped. inst. 86:5-42 '60.

Emulsion polymerization with surface-active initiation. A. I. Urzhenko, V. A. Vil'shanskii. Dokl. AN SSSR 148 no. 5:1145-1147 F '63.

Structure formation in interphase adsorption layers of dissolved surface-active substances and the stability of emulsions and aqueous dispersions of polymers (latexes). S. A. Nikitina and others. Dokl. AN SSSR 149 no. 4:805-808 Ap '63.

SURFACE CHEMISTRY

Recombination of hydrogen atoms on the surface of platinum. I. N. Frantsevich, V. A. Lavrenko. Dokl. AN SSSR 148 no. 5:1137-1140 F '63.

Relation between the structure of the surface layer of a pure liquid and its surface and volume properties. F. I. A. Reznik. Dokl. AN SSSR 148 no. 5:1129-1132 F '63.

SURFACES

Analytic properties of contributions of Feynman diagrams. D. I. A. Petrina. Dokl. AN SSSR 149 no. 4:808-811 Ap '63.

Isolated singular point on a surface of negative curvature with a regular metric. E. R. Rozendorn. Dokl. AN SSSR 149 no. 4:780-783 Ap '63.

SURFACES (TECHNOLOGY)

Meron, I. A. I., and others. [Photopyrometry for the determination of surface temperature fields] Fotopyrometricheskoe opredelenie polei i temperatur poverkhnosti. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhn. i proizvodstvennyi opyt. Tema 34, No. P-58-91/11)

Saikina, V. N., and M. P. Kalinova. [Chemical and heat treatment of friction surfaces instead of honing] Khimiko-termicheskaya obrabotka poverkhnosti treniya vzamen dovodka. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 7 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 3, No. M-58-246/8)

SURGEONS

Fundamental organizational tasks of the head surgeons of local public health agencies for the improvement of surgical services to the population of the R.S.F.S.R. N. I. Kravchinskii. Zdrav. Ros. Feder. 7 no. 3:9-14 Mr '63.

SURGERY

From the pages of the press. Sov. Soluz no. 4:10 '63.

Life of man; current achievements of modern surgery. M. I. Kolomichenko. Sov. Ukr. 12 no. 12:139-149 D '62.

[Specialized surgery; manual for physicians in three volumes] Chastnaya khirurgiya; rukovodstvo dlia vrachei v trekh tomakh. Pod red. A. A. Vishnevskogo i V. S. Levita. Moskva, Medgiz.

Vol. 2. [Abdominal cavity and its organs, spinal cord, spine, pelvis, urogenital system, Brushnaya polost' i ee organy, spinal'noy mozg pozvonochnik faz, mochepolaiva sistema] 1963. 717 p.

(DNLM)

SURGERY, EXPERIMENTAL

Chitecu, Tiberiu. [Problems of experimental vascular and cardiac surgery] Problemy eksperimental'noi sosudistoi i serdchnoi khirurgii. [Bucharest] Izd-vo Akad. Rumynskoi Narodnoi Respubliki, 1962. 440 p. (DNLM)

SURGERY, OPERATIVE

[Course of operative surgery and topographical anatomy] Kurs operativnoi khirurgii i topograficheskoi anatomii. [By] G. E. Ostroverkhov, D. N. Labotskii, I. M. Bomash. Moskva, Medgiz, 1963. 739 p. (DNLM)

"Some problems of topographic anatomy and operative surgery" by M. S. Znamenski. Reviewed by V. Brzhe-skii. Sov. zdrav. kir. no. 1:63-64 Ja-F '63.

SURVEYING

Chebotaev, A. S., and others. [Surveying] Geodeziya. Pod obshchei red. A. S. Chebotareva. Moskva, Geodez-izdat. Pt. 2. 1962. 613 p.

SURVEYING—BIBLIOGRAPHY see Bibliography—Surveying

SURVEYING—INSTRUMENTS

Brief news. Geod. i kart. no. 2:73-74 F '63.

Design for a universal stand. M. V. Mikhailov. Geod. i kart. no. 2:40-42 F '63.

Symposium, held in Czechoslovakia, on the use of new technology in geodetic measurements. V. M. Nazarov. Geod. i kart. no. 2:74-75 F '63.

SURVIVAL (AFTER AIRPLANE ACCIDENTS, SHIP-WRECKS, ETC.)

[see also subdivision under Arctic regions] Conquerors of the elements have met in Leningrad. I. Moroz. Ukraina no. 2:18 Ja '63.

SUSLIKS see subdivision under Kazakhstan

SUSPENSION ROOFS see Roofs, Suspension

SUSPENSIONS (CHEMISTRY)

Aggregative stability of disperse clay systems. I. I. Ibragimov. Azerb. khim. zhur. no. 2:81-83 '62.

SUVOROV, GEORGI

Pages of reminiscences. Nikolai Tikhonov. Znamia 33 no. 3:94-112 Mr '63.

SVANBERGITE see subdivision under Altai Mountains

SVANETIA—DESCRIPTION AND TRAVEL

Svanetia. V. Egorushin. Sov. Soluz no. 10:30-35 '62.

SVERDLOV, IAKOV MIKHAILOVICH, 1805-1810

Five escapes of "Comrade Andrei." V. Vladimirov. Ogonek 41 no. 11:25-27 Mr '63.

SVERDLOV (CRUISER)

On the cruiser "Sverdlov." Voen. znan. 39 no. 2:12-13 F '63.

SVERDLOVSK—ANTIQUITIES

Sverdlovsk. Oblastnoi kraevedcheskii muzei. [Catalog of the archaeological collection of the Sverdlovsk Museum of Local History] Katalog arkhologicheskikh kolektsii Sverdlovskogo kraevedcheskogo muzeia. [By] E. M. Bers. Sverdlovsk, 1959. 82 p.

SVERDLOVSK—COMPRESSORS

The trumpeters sounded the alarm. I. A. Kuz'minskii, V. Starikov. Komsom. zhizn' no. 3:6-9 F '63.

SVERDLOVSK—LABOR AND LABORING CLASSES

Workers' qualifications should be raised. B. Breev. Part. zhizn' no. 6:23-27 Mr '63.

SVERDLOVSK—MACHINERY INDUSTRY

One of the work sections at the Ural Heavy Machinery Plant. Sov. profsoyuzy 10 no. 6:14-15 Mr '63.

SVERDLOVSK—MACHINERY INDUSTRY—MANAGEMENT

New form of economic service in enterprises. P. Voronkov. Vop. ekon. no. 2:30-36 F '63.

SVERDLOVSK PROVINCE—FARM MECHANIZATION

Schools, courses, seminars on voluntary principles. B. Lisitskii. NTO 5 no. 4:37-38 Ap '63.

SVERDLOVSK PROVINCE—HISTORIC HOUSES, ETC.

Neverov, L. P., and D. A. Vladimirovskii. [Historical monuments of the city of Sverdlovsk and of Sverdlovsk Province] Istoricheskie pamyatniki goroda Sverdlovsk i Sverdlovskoi oblasti. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 147 p. (MII)

SVERDLOVSK PROVINCE—MILITARY EDUCATION

First steps. V. Ryl'skii. Voen. znan. 30 no. 2:18-19 F '63.

SVERDLOVSK PROVINCE—PRINTING MACHINERY AND SUPPLIES—MAINTENANCE AND REPAIR

Organization of the repair of equipment at enterprises of the Province Administration of the Printing Industry, Publishing Houses and Book Trade. N. N. Granovskaja. Poligr. protzv. no. 2:10-21 F '63.

SVERDLOVSK PROVINCE—RESEARCH, INDUSTRIAL

Expansion of the initiative of Ural Mountain Region workers. G. Iskhakov. NTO 5 no. 4:46-49 Ap '63.

SVYDNYTS' KYI, ANATOL', 1834-1871

"Anatol' Svydnyts'kyi and the origin of the social novel in Ukrainian literature" by M. I. Syvachenko. Reviewed by P. I. Orlyk, P. P. Khropko. Rad. lit 7 no. 1:137-140 Ja-F '63.

SWEDEN—COMMERCE—RUSSIA

Chamberlain Dickson and international trade. D. Ershov. Nov. vrem. 20 no. 16:10 Ap '63.

SWEDEN—EXCAVATING MACHINERY

New tunnel excavator (from "Mine and Quarry Engineering," no. 11, 1962). A. F. Kovalev, G. F. Linnik, A. S. Belash. Shkhit. stroit. 7 no. 4:20 Ap '63.

SWEDEN—MINING ENGINEERING

Mining in Sweden by the Jannol method (from "Engineering and Mining Journal," no. 7, 1959). B. K. Chukan. Shkhit. stroit. 7 no. 2:26-28 F '63.

SWEDEN—SHAFT SINKING

Shaft sinking in Sweden (from foreign periodicals). G. F. Linnik, A. S. Belash. Shkhit. stroit. 7 no. 2:24-26 F '63.

SWEDEN—SULFIDES

Sulfide deposits of central Sweden. N. Pilava. Geol. rud. mestorozh. 5 no. 1:105-100 Ja-F '63.

SWIMMING

Answer to V. M. Butrin's review. V. V. Pyzhov. Teor. i prak. fiz. kult. 26 no. 2:89-71 F '63.

SWINE see subdivision under Ukraine

SWINE—DISEASES AND PESTS

(see also subdivision under Ukraine)

Influenza and influenza-like diseases of swine [with summaries in English, German, and French]. V. N. Sturin, D. F. Osdze, I. V. Panteleev. Vest. sel'khoz. nauki 7 no. 12:58-82 D '62.

SWINE—FEEDING AND FEEDS see subdivision under Ukraine

SWINE AS CARRIERS OF DISEASE

Leptospirosis infection among the workers of swine farms. E. M. Popova, A. L. Lesnikov. Trudy Len. inst. epid. i mikrobiol. 23:234-242 '61.

SWINE HOUSES AND EQUIPMENT

We are helping one another. V. A. Kov. Sel'. mekh. no. 8:13-14 '62.

SWITZERLAND—ECONOMIC CONDITIONS

Another version of the "economic miracle." L. Sabelnikov. Mir. ekon. i mezhdunar. otn. no. 3:122-130 '63.

SYLVINITE see subdivision under Kama Valley

SYMPATHETIC NERVOUS SYSTEM see Nervous system, Sympathetic

SYRINGES—CLEANING

Deactivation of pipettes and syringes. I. A. Vozniuk. Trudy Kish. gos. med. inst. 13:187-108 '60.

SYRPHUS FLIES

Three new species of Diptera (Syrphidae and Conopidae) [with summary in English]. L. V. Zimina. Zool. zhur. 42 no. 2:297-300 '63.

SYSTEMS (CHEMISTRY)

Dependence of the electrode properties of glasses on their structure [with summary in English]. M. M. Shul's. Vest. LGU 18 no. 4:174-186 '63.

Interaction of salts in the five-component reciprocal system Li, Rb, Tl || Br, NO₃, SO₄. E. A. Alekseeva, N. S. Dombrovskaya. Zhur. neorg. khim. 7 no. 7:1059-1065 JI '62.

Isothermal solubility diagram for the quaternary system FeSO₄·(NH₄)₂SO₄-MnSO₄·(NH₄)₂SO₄-ZnSO₄·(NH₄)₂SO₄-H₂O at 40°C. I. U. D. Tret'yakov, I. N. Kachanov. Zhur. neorg. khim. 7 no. 7:1708-1715 JI '62.

Isothermal solubility diagram for the quaternary system MnSO₄·(NH₄)₂SO₄-MgSO₄·(NH₄)₂SO₄-NiSO₄·(NH₄)₂SO₄-H₂O at 40°C. I. U. D. Tret'yakov, A. Kh. Bagdasaryan. Zhur. neorg. khim. 7 no. 7:1716-1723 JI '62.

Liquidus of the ternary reciprocal system consisting of rubidium and strontium nitrites and nitrates. P. I. Protserko, G. K. Shurdumov. Zhur. neorg. khim. 7 no. 7:1844-1847 JI '62.

Melting diagram for the ternary systems consisting of sodium, potassium, strontium, and barium fluorides. G. A. Bukhalova, Z. A. Matelko, V. T. Berezhnaya. Zhur. neorg. khim. 7 no. 7:1655-1658 JI '62.

Mutual solubility in the quaternary system H₂BO₃-Na₂SO₄-MgSO₄-H₂O at 35°C. A. B. Rokutsev, E. G. Konibratskii. Zhur. neorg. khim. 7 no. 7:1784-1787 JI '62.

Quaternary system: potassium, calcium, and barium fluorides. G. A. Bukhalova, V. T. Berezhnaya. Zhur. neorg. khim. 8 no. 4:964-968 Ap '63.

Quaternary system Ti₂Cl₂-Ti₂Br₂-Na₂SO₄-K₂SO₄. A. P. Palkin, T. A. Polivanova. Zhur. neorg. khim. 8 no. 4:959-963 Ap '63.

Solubility and solid phases in the system (NH₄)₂Mg(SO₄)₂-(NH₄)₂Ni(SO₄)₂-H₂O at 25°. I. N. Ivanova, M. I. Ozerova, E. I. Egorova. Zhur. neorg. khim. 8 no. 4:977-980 Ap '63.

Solubility and viscosity isotherms (50°) in the system LiI-LiBr-H₂O. F. M. Perel'man, R. M. Dolina. Zhur. neorg. khim. 7 no. 7:1691-1694 JI '62.

Solubility isotherm for the quaternary reciprocal system Th(C₂O₄)₂+2Na₂CO₃↔Th(CO₃)₂+2Na₂C₂O₄+H₂O at 25°C. I. S. Kovaleva, N. P. Luzhnaia. Zhur. neorg. khim. 7 no. 7:1893-1898 JI '62.

TABAKOV, OLEG

Oleg Tabakov, as he is. IU. Smelkov. Smena 39 no. 24: 18-19 D '62.

TABLETS (MEDICINE)

Sodium carboxymethylcellulose as a binding agent in the preparation of tablets. S. A. Nosovits'ka, IE, IE, Borzunov, R. M. Safullin, Framatsev. zhur. 17 no. 4: 8-8 '62.

TACHOMETER

Etingof, M. I. [ET-4-55 strain-measuring amplifier, KT-1 quartz tachometer] Tenzometricheskii usilitel' tipa ET-4-55. Kvartsevyi tskhometr KT-1. [By] G. L. Ludin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-29/5)

Utiamshev, R. I. [12 KST tachometer with the TP-12 attachment] Tskhometr 12 KST s prislavkoj TP-12. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-10/1)

TAGANROG—AGRICULTURAL MACHINERY INDUSTRY

And chassis will come out into the fields. . . M. Andriasov. Ogonek 41 no. 7:8 F '63.

TAGANROG—BOILERS

In the boiler laboratory of the "Krasnyi Kotel'shchik" Factory in Taganrog. M. V. Melikar. Energomashino-stroenie 9 no. 2:23 F '63.

TAGANROG—PIPE CUTTING

Pipe rolling giant. Sov. Soluz. no. 4:40-41 '63.

TAGANROG—WOMEN—EMPLOYMENT

Mail to the Taganrog Combine Plant. M. Voskresenskaia. Rabotnitsa 40 no. 8:6-8 Je '62.

TAILINGS (METALLURGY)—ANALYSIS

Composition of filtration residues. E. G. Safonova, E. I. Khazanov. Trudy Vost.-Sib. fil. AN SSSR no. 43:129-141 '62.

TAIWAN see Formosa

TAJK DEPRESSION—OYSTERS, FOSSIL

Bobkova, N. N. [Late Cretaceous oysters in the Tajik Depression] Pozdnemelovye ostritsy Tadjzhikskoi Depressii. Leningrad, Gostoptekhizdat, 1961. 139 p. (Leningrad. Vsesoluznyi geologicheskii institut. Trudy, vol. 50)

TAJK LANGUAGE see subdivision under Gorno-Badakhshan Autonomous Province

TAJKISTAN—ALMOND

Dynamics of the accumulation and transport of carbohydrates as related to the course of the accumulation of fats in almond and pistachio in Tajikistan [with summary in German]. Trudy Otd. fiziol. i biofiz. rast. AN Tadjh. SSR 1:156-185 '62.

TAJKISTAN—BOOKSELLERS AND BOOKSELLING

Important decision. M. Ikhtiaev. Sov. knizh. tovg. 14 no. 3:6-8 Mr '63.

TAJKISTAN—BOTANICAL CHEMISTRY

Basic results and future development of the physiology and biochemistry of plants in Tajikistan [with summary in German]. IU. S. Nasyrov. Trudy Otd. fiziol. i biofiz. rast. AN Tadjh. SSR 1:3-17 '62.

TAJKISTAN—COINS, ROMAN

Hidden treasure of Roman denarii from Tajikistan. E. V. Zelman'. Num. i epig. 3:141-146 '62.

TAJKISTAN—GRAPES

Some methods of increasing the frost resistance of grapevines as related to the dynamics of carbohydrate metabolism [with summary in English]. M. I. Nikolaeva, P. P. Chuvaev, M. I. Brodnikovskii. Trudy Otd. fiziol. i biofiz. rast. AN Tadjh. SSR 1:70-105 '62.

TAJKISTAN—PISTACHIO

Dynamics of the accumulation and transport of carbohydrates as related to the course of the accumulation of fats in almond and pistachio in Tajikistan [with summary in German]. Trudy Otd. fiziol. i biofiz. rast. AN Tadjh. SSR 1:156-185 '62.

TAJKISTAN—PLANT PHYSIOLOGY

Basic results and future development of the physiology and biochemistry of plants in Tajikistan [with summary in German]. IU. S. Nasyrov. Trudy Otd. fiziol. i biofiz. rast. AN Tadjh. SSR 1:3-17 '62.

TAJKISTAN—POLITICS AND GOVERNMENT

Tajik S. S. R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Tajik S. S. R. (sixth session), December 25-26, 1961; verbatim report] Zasedaniia Verkhovnogo Soveta Tadjzhikskoi SSR [platogo sozyva] (shestala sessia) [25-26 dekabr in 1961 goda]; stenograficheski otchet. Dushanbe, 1962. 532 p. [Parallel texts in Tajik, Russian, and Uzbek]

TAJKISTAN—SHEEP BREEDING

Gulam Aliev, Tajik scientist. Irina Volk. Kul't. i zhizn' 6 no. 9:13-14 '62.

TAJKISTAN—STUDENT ACTIVITIES

By their own means. S. Sharipov. Prof. -tekh. obr. 20 no. 3:11 Mr '63.

TAJKISTAN—VOCATIONAL EDUCATION

By their own means. S. Sharipov. Prof. -tekh. obr. 20 no. 3:11 Mr '63.
Creative pedagogical groups. M. Ernazarov. Prof. -tekh. obr. 20 no. 3:10-11 Mr '63.
Let's inculcate love for work as a primary necessity of life. A. Karimov. Prof. -tekh. obr. 20 no. 3:8-9 Mr '63.

TALDY-KURGAN—FIREMEN

On guard. A. Mikhelev. Koop. Kazakh. 5 no. 1:62 Ja '63.

TALGAR—LIBRARIANS

A librarian's reward. M. Kozhukharov. Polit. samoobr. 7 no. 2:90 F '63.

TALLINN—ART AND INDUSTRY

Enthusiasts of a perfect organization of production. V. Maimik. NTO 5 no. 4:39-42 Ap '63.

TALLINN—CONSTRUCTION INDUSTRY

Cooperative matters. . . V. Vatis. Zhil. -kom. khoz. 13 no. 3:25 Mr '63.

TALLINN—MUSEUMS

Tallinn. Linnamuseum. [Peter I, House and Museum] Peeter I Majamuuseum. Tallinn, 1961. 35 p. [Parallel texts in Estonian and Russian]

TALLINN—ROAD CONSTRUCTION

Ruts in the asphalt. V. Vatis. Ogonek 41 no. 4:9-10 Ja '63.

TALNAKH (KRASNOYARSK TERRITORY)—CONSTRUCTION WORKERS

This means I am at home. N. Shmelev. Ogonek 40 no. 48:6-8 N '62.

TAMAN—COINS, ANCIENT

Finds of coins in Phanagoria, 1947-1957. D. B. Shei'ov. Num. i epig. 3:56-129 '62.

TAMBOV—POLICE

By day and by night. . . I. A. Riumkin, O. Shmelev. Ogonek 40 no. 30:19-21 D '62.

TAMBOV PROVINCE—AGRICULTURAL WORKERS

Belokhovostov, F. I. [Master of the firobird] Khozlain zhar-pitay. [Tambov] Tambovskop knizhnoe izd-vo, 1962. 14 p. (Nashi malaki) (DNAL)

TAMBOV PROVINCE—COLLECTIVE FARMS—INCOME DISTRIBUTION

[Production norms and monetary wages on collective farms] Normy vyrabotki i denezhnaya oplata truda v kollektivakh. 2., perer. i dop. izd. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 125 p.

TAMBOV PROVINCE—COLLECTIVE FARMS—PRODUCTION STANDARDS

[Production norms and monetary wages on collective farms] Normy vyrabotki i denezhnaya oplata truda v kollektivakh. 2., perer. i dop. izd. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 125 p.

TAMBOV PROVINCE—FORAGE PLANTS

Supply each state farm with an economically sound structure for planting feed crops; using the example of state farms in Tambov and Voronezh Provinces. N. I. Popov. Dokl. i soob. VNIESKII no. 13:108-119 '62.

TAMBOV PROVINCE—GUIDEBOOKS

[Tourist routes through Tambov Province] Turistskie marshruty po Tambovskoi oblasti. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 142 p.

TAMBOV PROVINCE—RAILROADS—EMPLOYEES

Shirina, G. M. [Be better!] Byt' luchshim [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 16 p. (Stroiteli kommunizma)

TANGANYIKA

Tanganyika. V. I. A. Katsman. Sov. etn. no. 1:90-105 Ja-F '63.

TANGANYIKA—DESCRIPTION AND TRAVEL

Apex of Africa. N. Khokhlov. Ogonek 40 no. 49:23-24 D '62.

TANGANYIKA—HISTORY

Mirambo [translated from the Hungarian]. Endre Schick. Vokrug sveta no. 3:38-40 Mr '63.

TANGANYIKA—PRIMATES, FOSSIL

New finds of extinct primates at the Oldoway Gorge in Tanganyika. Vop. antr. no. 11:149-154 '62.

TANGERINE—FERTILIZERS AND MANURES

Dynamics of the soil microflora in a mandarin plantation [with summary in English]. Z. A. Gochelashvili. Mikrobiologia 31 no. 6:1048-1053 N-D '62.

TANGUT LANGUAGE

"Tangut philology" by N. A. Nevskii. Reviewed by Ksenia Keping. Kul't. i zhizn' 6 no. 9:27-28 '62.

TANK VESSELS

(see also subdivision under United States)

- Characteristics of the power plant on the tank vessel "Dzhuzeppe Garibaldi," L. E. Landa, IU. M. Bukhalkin, Sudostroenie 29 no. 1:30-38 Ja '63.
- Determining the dimensions of bottom girders of petroleum tankers. A. M. Mel'nikov. Trudy TSNIMF no. 41: 67-80 '62.
- From experience acquired in the building of the tank vessel "Sofia." Sudostroenie 29 no. 1:76-77 Ja '63.
- Heavy-tonnage tank vessel "Sofia." I. N. Migachev, Sudostroenie 29 no. 1:3-10 Ja '63.
- Modernizing the power plant of the tanker "Sakhalin," S. G. Luk'yanov. Biol. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 3:49-54 '62.
- Problems in the design of atomic surface tankers, V. V. Lakhinin, IU. V. Zakharov, O. N. Lebedev, Trudy NIIVTa no. 12:5-21 '62.

TANK VESSELS—MAINTENANCE AND REPAIR

- Metal-fitting and electric engineering shops on the tank vessel "Sofia," V. Biriuk. Mor. flot 23 no. 3:31-32 Mr '63.

TANILEEV, VLADIMIR IVANOVICH, 1840-1921

- "Philosophical views of V. I. Taneev" by P. S. Shkurinov, Reviewed by M. P. Baskin, Vop. filos. 17 no. 3:174 '63.

TANNING

(see also subdivision under Czechoslovakia)

- Determining the concentration of chromium salts by the density of the solutions. Z. N. Charukhina, I. P. Zaborina. Nauch. issl. trudy NIIMF no. 11:37-40 '62.
- Reducing the surface size losses of chrome tanned leather occurring during the first drying. Report No. 1, M. P. Kotov. Izv. vys. ucheb. zav. : tekhn. leg. prom. no. 1:79-80 '63.

TANNING MATERIALS

- [Manufacture of vegetable tanning extracts] Proizvodstvo rastitel'nykh dubil'nykh ekstraktov. [By] M. IU. Mezheninov, M. N. Krasukhin, B. A. Egorov, Moskva, Rostekhlizdat, 1962, 291 p.

TANNINS

- Method for treating fish eggs. A. M. Kol'gaev, Sbor. izobr. v ryb. prom. za 1959 g. : 59.

TANNU-TUVA see Tuva A. S. S. R.

TANTALITE—ANALYSIS

- X-ray study of columbite-tantalite group minerals. N. M. Kurnskova. Rent. min. syr. no. 1:113-119 '62.

TARGET PRACTICE

- Change-over to a new exercise. I. Rabinovich, Voen. znan. 39 no. 2:25-26 F '63.

TASHAUZ PROVINCE—DIPHTHERIA—PREVENTIVE INOCULATION

- Study of the state of immunity against diphtheria in Tashauz Province, V. A. Starodubskaya, Zdrav. Turk. 6 no. 6:40-42 N-D '62.

TASHKENT—ANEMONES

- Anemones and Pulsatilla species in the Botanical Garden of the Academy of Sciences of the Uzbek S. S. R., E. M. Zalevskaia, Vop. biol. i kraev. med. no. 3:59-66 '62.

TASHKENT—COMMUNITY CENTERS

- Fine people and good work. G. Volin, Klub 12 no. 3: 20-21 Mr '63.

TASHKENT—CONEFLOWER

- Data on the biology of the flowering of ornamental rudbeckias in Tashkent. S. Khudzhaniyazova, Vop. biol. i kraev. med. no. 3:51-58 '62.

TASHKENT—LINDEN

- Lindens in the Botanical Garden of the Academy of Sciences of the Uzbek S. S. R., L. M. Shumayeva, Vop. biol. i kraev. med. no. 3:82-85 '62.

TASHKENT—PASQUE FLOWER

- Anemones and Pulsatilla species in the Botanical Garden of the Academy of Sciences of the Uzbek S. S. R., E. M. Zalevskaia, Vop. biol. i kraev. med. no. 3:59-66 '62.

TASHKENT—PLANTS—FROST RESISTANCE

- Winterhardness of North American tree and shrub species in the Tashkent Oasis. IU. S. Mironova, Vop. biol. i kraev. med. no. 3:77-81 '62.

TASHKENT—RAILROADS—MAINTENANCE AND REPAIR

- Controllers are effective. N. Kuz'min. Part. zhizn' no. 6:37-40 Mr '63.

TASHKENT—WAGES—MACHINERY INDUSTRY WORKERS

- Toward progressive forms of work norms and wages, V. Zaborodnikov, Nar. khoz. Uzb. 5 no. 3:69-74 Mr '63.

TASHKENT—WOODY PLANTS

- Winterhardness of North American tree and shrub species in the Tashkent Oasis, IU. S. Mironova, Vop. biol. i kraev. med. no. 3:77-81 '62.

TASHKENT ASTRONOMICAL OBSERVATORY

- History of the Tashkent Astronomical Observatory, V. P. Sheglov. Ist.-astron. issl. no. 8:363-371 '62.

TASHKENT PROVINCE—PARASITES—CATTLE

- Dynamics of cattle infestation by bloodsucking ticks in Tashkent Province, S. A. Nadyrov, Vop. biol. i kraev. med. no. 3:180-196 '62.

TASHKENT PROVINCE—PLANTS—CHEMICAL ANALYSIS

- Biological role of strontium as a microelement and its content in food products of plant origin (Tashkent Province), D. G. Krasil'shchikov, Vop. biol. i kraev. med. no. 3:218-221 '62.

TASHKENT PROVINCE—STRONTIUM

- Biological role of strontium as a microelement and its content in food products of plant origin (Tashkent Province), D. G. Krasil'shchikov, Vop. biol. i kraev. med. no. 3:218-221 '62.

TASHKENT PROVINCE—TICKS

- Dynamics of cattle infestation by bloodsucking ticks in Tashkent Province, S. A. Nadyrov, Vop. biol. i kraev. med. no. 3:180-196 '62.

TASHTYK VALLEY—STONE AGE

- Archaeological excavations of paleolithic sites in the Tashtyk Valley in 1960. Z. A. Abramova, Krat. soob. Inst. arkheol. no. 92:65-70 '62.

TAS-KHAYAKHTAKH RANGE REGION—CORALS, FOSSIL

- Tabulata fauna in Paleozoic sediments in the central part of the Tas-Khayakhtakh Range (Yakut A. S. S. R.), K. B. Koksharskaya, G. P. Abaimova, Nauch. soob. LAFAN SSSR no. 7:11-38 '62.

TATAR A. S. S. R.—ATHEISM—STUDY AND TEACHING

- Akhmerov, Z. S. [Educating atheists] Vospityvat' ateistov; iz opyta raboty shkol' Tatarskoi ASSR, Moskva, Izd-vo APN RSFSR, 1962, 103 p.

TATAR A. S. S. R.—PETROLEUM PIPELINES

- Continuing progress of communist labor. O. P. Prokopyev. Neftianik 8 no. 1:3-5 Ja '63.

TAUTOMERISM

- Stereochemical investigations. Part 14: Optically active aryl-β-aminovinyl ketones and their tautomerism, V. M. Potapov, F. A. Trofimov, A. P. Terent'ev, Zhur. ob. khim. 33 no. 3:853-859 Mr '63.

TBILISI see Tiflis

TEA MACHINERY

- The BSHP-1 apparatus for simultaneous lateral pruning and topping of tea plant rows, L. A. Mel'nikov, Trakt. i sel'khozmasb. 32 no. 12:32 D '62.

TEACHERS

(see also subdivision under Ukraine)

- Exalted vocation of a teacher. Doshk. vykh. 24 no. 2: 1-3 F '63.
- Glory to the rural teachers! G. Dukhov, A. Mazlukov, A. Likhovitch, Sem'ia i shkola 18 no. 3:16 Mr '63.

TEACHERS—LEGAL STATUS, LAWS, ETC.

- Procedure for substituting academic personnel in institutions of higher learning. Vest. vys. shkoly 21 no. 4: 80-81 Ap '63.
- Special problems in the judicial examination of the labor disputes of teachers. A. Tsepina, Sov. iust. no. 7:11-13 Ap '63.

TEACHERS, TRAINING OF

(see also subdivision under Moscow)

- Let's create a new course on pedagogics, G. I. Balanuk, Sov. pedagog. 27 no. 2:136-143 F '63.
- Let's give more attention to organizing the self-education of teachers, L. G. Chuprakova, Sov. pedagog. 27 no. 3:19-18 Mr '63.
- Let's improve pedagogical training, I. Emel'ianenko, Prof.-tekhn. obr. 20 no. 3:19 Mr '63.
- Ryazan. Gosudarstvennyi pedagogicheskii institut, [Educational work in ideology in the institutions of higher learning] Kleino-vospitatel'naya rabota v vuze, Moskva, Gos. izd-vo "Vysshaya shkola," 1962, 157 p.
- Training of boarding school teachers, K. G. Matveeva, Sov. pedagog. 27 no. 2:83-90 F '63.
- Training of teachers for rural eleven-year schools, L. L. Popova, Shkola i proizv. 6 no. 12:56-58 D '62.

TEACHING

(see also subdivision under Khabarovsk; Rostov Province)

- [For the communist education of students] Za kommunisticheskoe vospitanie shkol'nikov, Moskva, Uchpedgiz, 1962, 207 p.
- Give students time to think! I. T. Fedorenko, Rad. shk. 41 no. 1:62-68 Ja '63.
- L. N. Tolstol on the outline of a lesson, V. A. Nerovnykh, Dokl. APN 6 no. 6:59-62 '62.
- Scientific and pedagogical basis to avoid repeating a year, S. V. Petrichenko, Sov. pedagog. 27 no. 2:29-39 F '63.

- Three years work without repeating students, E. G. Tokareva, Sov. pedagog. 27 no. 2:21-28 F '63.

- Ways to form the scientific outlook of students, R. G. Lemberg, Sov. pedagog. 27 no. 2:51-58 F '63.

- Ways to improve the quality of students' knowledge, V. S. Il'in, Z. P. Motova, I. P. Popov, Sov. pedagog. 27 no. 3:19-28 Mr '63.

TEACHING—CONGRESSES

- Conference on didactics in Moscow, O. Havrylenko, Rad. shk. 41 no. 1:103-105 Ja '63.
- Research and teaching conference on the problem of repeating a year in Rostov, Sov. pedagog. 27 no. 2:153-157 F '63.

TEACHING MACHINES

- "Kontrol'," a homemade teaching machine, V. M. Petrusheva, Rad. shk. 41 no. 2:35-40 F '63.
- Pedagogics, programming and cybernetics, V. M. Taranov, Sred. spets. obr. 10 no. 2:5-14 F '63.
- Use of teaching machines abroad, V. Shmerhun, Rad. shk. 41 no. 2:40-42 F '63.

TECHNICAL ASSISTANCE, RUSSIAN

- (see also subdivision under Cuba)
- Ivanov in Djakarta. L. Pochivalov, Ogonek 40 no. 48: 9-10 N '62.

TECHNICAL CHEMISTRY see Chemistry, Technical

TECHNICAL EDUCATION

(see also subdivision under Kazakhstan; Mongolia; Norway; Odessa)

- Editor's mail. Sred. spets. obr. 10 no. 3:22-27 Mr '63.

- For engineering education, A. Lobotski, Bibliotekar' no. 3:18-19 Mr '63.

- In the Ministry of Higher and Secondary Specialized Education of the U. S. S. R., Sred. spets. obr. 10 no. 2: 56-57 F '63.

- Practical training of evening and correspondence students, A. A. Vokster, Sred. spets. obr. 10 no. 3:22-25 Mr '63.

- To know and to be able to do it, IU. Glebov, V. Nekhtina, Sov. Soluz. no. 12:19-23 '62.

TECHNICAL EDUCATION—BIBLIOGRAPHY see Bibliography—Technical education

TECHNICAL EDUCATION—CONGRESSES

- Second International Seminar on Technical Education, A. Vasil'ev, Sov. pedagog. 27 no. 3:158-160 Mr '63.

TECHNICAL SOCIETIES

- Conduction of elections of the officials of scientific technological societies, NTO 5 no. 2:51-52 F '63.
- "Initial organization of a scientific technological society," Reviewed by N. Stoliarov, NTO 5 no. 2:53 F '63.

TECHNICAL WRITING

- "Handbook on writing student papers" by D. L. Kol'tbert, Reviewed by T. A. Vvadenakii, Vest. vys. shkoly 21 no. 4:94 Ap '63.

TECHNOLOGICAL INNOVATIONS

(see also subdivision under Bulgaria; Dnepropetrovsk; Europe, Eastern; Kuybyshev Province; Leningrad; Moscow; Perm; Vladimir; White Russia)

- About everything, Sov. Soluz. no. 1:16-17 '63.
- About everything, Sov. Soluz. no. 2:32-33 '63.
- Abroad, Nauka i zhizn' 20 no. 12:78-79 D '62.
- Advertisement board, Izobr. i rats. no. 1:23 '63.
- Advertising board, Izobr. i rats. no. 7:30 Ji '62.
- Advertising board, Izobr. i rats. no. 9:34 S '62.
- At the editor's round table, A. Bezubov and others, Izobr. i rats. no. 1:4-7, 13 '63.
- At various latitudes, Znan. ta pratsia no. 1:19 Ja '63.
- Brief news, Izobr. i rats. no. 9:27 S '62.
- Consultations, Izobr. i rats. no. 9:30 S '62.
- A diploma in engineering is a creator's identification, G. Keln, Tekh. mol. 31 no. 1:14-17 '63.

- The eleventh plenum of the All-Union Council of Trade Unions, NTO 5 no. 2:1 F '63.

- Exchange of news and experience, Izobr. i rats. no. 7: 18-19 Ji '62.

- Fair in Vitebsk, Izobr. i rats. no. 1:28-31 '63.

- From foreign countries, Izobr. i rats. no. 7:37 Ji '62.

- From "Izobretatel' i ratsionalizator" is technologist's notebook, Izobr. i rats. no. 7:35 Ji '62.

- Good luck, Izobr. i rats. no. 1:2 of cover-1 '63.

- Heavy payments, Izobr. i rats. no. 9:31 S '62.

- "Helping innovators" by V. I. A. Ionas and others, Reviewed by IU. Urchenko, Izobr. i rats. no. 7:31 Ji '62.

- How interesting! Izobr. i rats. no. 1:19 '63.

- Implacable, Viktor Levashov, Smena 40 no. 1:3-4 Ja '63.

- In the whole world, Znan. -sila 38 no. 2:24-25, 32, 34 F '63.

- In the whole world, Znanie-sila 38 no. 1:10-11 Ja '63.

- In your lawyer's office, Izobr. i rats. no. 1:36 '63.

TECHNOLOGICAL INNOVATIONS (Continued)

- Innovations. IU, Medvedev. Izobr. i rats. no. 9:12-13 S '62.
- Inventions, discoveries, and hypotheses. Sov. Soluz no. 4:42 '63.
- Inventions, discoveries, hypotheses. Sov. Soluz no. 2:24 '63.
- Iron key for the solution of mysteries. V. Protalin. Izobr. i rats. no. 8:20-22 S '62.
- "Izobretatel' i racionalizator" is a technologist's notebook. Izobr. i rats. no. 1:18 '63.
- Kuritsyn's whims. B. Zubkov. Izobr. i rats. no. 7:29 JI '62.
- Letters to the wrong place. S. Bersonev. Izobr. i rats. no. 7:25 JI '62.
- Murav'ev, A. A., and V. N. Chertakov. [New form for promoting and introducing the work of innovators] Novaya forma propagandy i vnedreniya opyta novatorov. Leningrad, 1962. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)
- Nature inspires engineers. V. Kovalevskii. Nauka i rel. 4 no. 3:8-12 Mr '63.
- New objectives call for new achievements (from the seventh plenum of the All-Union Council of Scientific Technological Societies). NTO 5 no. 2:2-4 F '63.
- News from five continents. IUn, tekhn. 7 no. 3:28-29 Mr '63.
- News from foreign countries. Izobr. i rats. no. 1:30 '63.
- News from foreign countries. Izobr. i rats. no. 0:39-40 S '62.
- Cur purse. N. Krivkova. Izobr. i rats. no. 1:8 '63.
- Peaceful explosion, peaceful cannon, peaceful fire. Sem'ia i shkola 18 no. 3:44 Mr '63.
- Planning the increase of labor productivity taking into consideration organizational and technical measures. M. Zubritskii. Sots. trud 8 no. 3:19-26 Mr '63.
- Readers' letters. Izobr. i rats. no. 7:25 JI '62.
- Readers' letters. Izobr. i rats. no. 7:31 JI '62.
- Readers' letters. Izobr. i rats. no. 0:31 S '62.
- Readers' letters. NTO 5 no. 2:29-30 F '63.
- Readers suggest, object, doubt. Izobr. i rats. no. 0:33 S '62.
- Sad accordian. G. Sorokina. Izobr. i rats. no. 7:29 JI '62.
- School of technical creative activity. V. Porudominskii. Izobr. i rats. no. 0:3-6 S '62.
- Science and technology, 1962. Smena 30 no. 24:12-13 D '62.
- Short correspondences. Tekh. mol. 31 no. 1:10-11 '63.
- Suggested, achieved, introduced. Izobr. i rats. no. 0:16-17 S '62.
- Suggested, created, introduced. Izobr. i rats. no. 1:14-15 '63.
- Suggested, created, introduced. Izobr. i rats. no. 7:12-13 JI '62.
- Technology learns from nature. IU, Kalinin. Sem'ia i shkola 18 no. 3:42-44 Mr '63.
- This can be used in your enterprise. Mashinostroitel' no. 2:22-23 F '63.
- Tractor and washing machine. Izobr. i rats. no. 1:10-11 '63.
- Use credit to aid technological progress. Den. i kred. 21 no. 3:67-74 Mr '63.
- Visit of the public prosecutor. N. Bychkova. Izobr. i rats. no. 1:35-36 '63.
- What is the cause of your failure? Izobr. i rats. no. 7:24-25 JI '62.
- Young efficiency promoters. R. Klinner. Prof. i tekhn. obr. 20 no. 3:10 Mr '63.

TECHNOLOGY

- Even a master must study. G. Rol'bin. V mire knig 3 no. 4:17 Ap '63.
- "History of technology" by A. A. Zvorykin and others. Reviewed by V. S. Virginskii. V mire knig 3 no. 3:12-13 Mr '63.
- News around the world. Tekh. mol. 31 no. 1:30-31 '63.
- Shcherban', O. N., and O. S. Korold. [Science and communism] Nauka i kommunizm. Kiev, Dzerzhpolityzdat URSR, 1962. 81 p. (Osnovy nauchnogo kommunizmu)
- Trip to Group "A." L. Zhigarev. V mire knig 3 no. 3:7-9 Mr '63.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—INFORMATION SERVICES

- (see also subdivision under Nizhny Tagil)
- Kiselev, O. M. [Organization of technical information in the design bureaus of industrial enterprises] Organizatsiia tekhnicheskoi informatsii v konstruktorskikh biuro promyshlennykh predpriatii. Leningrad, 1962. 31 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)
- Much more should be done. N. N. Bokarev. Mashinostroitel' no. 2:32-33 F '63.
- Petrova, Z. M. [Engineer-curator of the information section of the Scientific Research Institute, his role and place in the organization of technical work for research and design] Inzhener-kurator otdela informatsii NII, ego rol' i mesto v organizatsii tekhnicheskoi informatsii dlia nauchno-issledovatel'skikh opytno-konstruktor'skikh rabot. Leningrad, 1962. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Metodika postanovki nauchno-tekhnicheskoi informatsii i propagandy)

TEETH

- Changes in the dental pulp in dogs following extirpation of the superior cervical ganglion. E. V. Udovitskaia. Probl. stom. 6:138-142 '62.
- Duration of fluorine bonds with the mineral components of the tooth under local fluoridation. S. I. Frankovskaia. Probl. stom. 6:128-131 '62.
- Entry of labeled atoms into the tissues of the tooth and the parodontium. IU, A. Petrovich and others. Probl. stom. 6:132-137 '62.

TEETH—ABNORMALITIES AND DEFORMITIES

- Clinical aspects and treatment of anomalies in the position of the upper jaw canine teeth. A. I. Pozdniakova, M. G. Batiushchenko. Probl. stom. 6:238-243 '62.
- Denticles in osteomyelitis of the jaw. G. I. Semenchenko. Probl. stom. 6:214-217 '62.
- Treatment of second group anomalies. L. N. Manziuk. Probl. stom. 6:244-249 '62.

TEETH—CARE AND HYGIENE

- Hygiene of the oral cavity in pregnant women as one of the preventive methods against postnatal diseases. I. I. Litvishko and others. Probl. stom. 6:369-373 '62.

TEETH—DISEASES

- Antibiotic treatment of inflammatory diseases of the dental pulp in children. L. I. Pilipenko. Probl. stom. 6:168-172 '62.
- Chronic odontogenic osteomyelitis of the jaw. S. N. Vaisblat. Probl. stom. 6:208-213 '62.
- Classification of pulpitis. E. S. Iavorskaia. Probl. stom. 6:155-161 '62.
- Hospitalization in diseases of the oral cavity and the teeth. N. V. Mastenkov. Probl. stom. 6:304-308 '62.
- Incidence of caries in young persons in various states of the parodontium. G. N. Vishniak. Probl. stom. 6:148-154 '62.
- Kodoln, N. A., and E. V. Udovitskaia. [Clinical aspects, diagnosis and treatment of caries] Klinika, diagnostika i lechenie kariosa. Kiev, Gosmedizdat USSR, 1962. 225 p. (Biblioteka prakticheskogo vracha) (DNLM)
- Late results of the treatment of pulpitis in a single visit. L. I. Urbanovich. Probl. stom. 6:173-179 '62.
- State of the maxillofacial system in patients undergoing therapy for other conditions. E. A. Kolesnikov. Probl. stom. 6:374-380 '62.
- Surgical treatment of odontogenic highmoritis. A. M. Solntsev. Probl. stom. 6:233-239 '62.
- Treatment of odontogenic highmoritis. I. A. Novik. Probl. stom. 6:231-232 '62.

TEETH—EXTRACTION

- Removal of teeth in the compound orthodontic treatment of bite anomalies. Z. F. Vasilevskaia, A. D. Mukhina. Probl. stom. 6:250-255 '62.
- Treatment of post-extraction alveolitis. S. S. Bachinskii. Probl. stom. 6:193-197 '62.

TELECOMMUNICATION

- (see also subdivision under Moscow)
- Razin, B. I. [V. N. Podbol'skii, a talented organizer of Soviet telecommunication] Talantliivyi organizator sotsialisticheskoi svyazi V. N. Podbol'skii. [Moskva] Svyaz'izdat, 1962. 126 p.
- Smirnov, B. V. [Principles of electronics and telecommunication engineering] Osnovy elektroniki i tekhniki svyazi. Moskva, Sel'khozizdat, 1962. 406 p.
- Work of communication enterprises should contribute to the solution of new problems. Vest. svyazi 23 no. 1:1-2 Ja '63.
- The work of trade-union agencies should contribute to the solution of new problems. Vest. svyazi 23 no. 3:1-3 Mr '63.

TELECOMMUNICATION—ABSTRACTS

- [Radio engineering and telecommunication] Ref. zhur.: Radiotekhnika i elektrosvyaz' no. 3 Mr '63.

TELECOMMUNICATION—ACCOUNTING

- Planning and financial control should be improved in telecommunication enterprises. S. S. Strizhevskii. Vest. svyazi 23 no. 3:17-18 Mr '63.

TELECOMMUNICATION—BIBLIOGRAPHY see Bibliography—Telecommunication

TELECOMMUNICATION—EMPLOYEES

- (see also subdivision under Moldavia; Ukraine)
- Eliminate shortcomings in the administration of competitions. Vest. svyazi 23 no. 1:31 Ja '63.
- Labor productivity in telecommunication enterprises and methods for increasing it. O. S. Sraponov, S. R. Esikov. Vest. svyazi 23 no. 1:19-21 Ja '63.
- New technological innovations should be quickly taken advantage of. I. V. Kiebanov. Vest. svyazi 23 no. 1:5-6 Ja '63.
- Public inspection of the quality of work of telecommunication workers. A. N. Kudinov. Vest. svyazi 23 no. 3:23-24 Mr '63.

- Public participation in the work of telecommunication enterprises. G. Abldov. Vest. svyazi 23 no. 1:6-7 Ja '63.

- This is how the soviet telecommunication workers work. Vest. svyazi 23 no. 1:29-30 Ja '63.
- Work of conscientious telecommunication workers. Vest. svyazi 23 no. 1:29-30 Ja '63.

TELEGONY

- Heredity at a distance. R. Fedorov. Nauka i zhizn' 20 no. 12:67-69 D '62.
- Problem of telegony. Kh. F. Kushner. Nauka i zhizn' 20 no. 12:66 D '62.

TELEGRAPH

- Use of facsimile apparatus for eliminating mistakes in processing telegrams. M. I. Oksman, S. O. Mol'nik. Vest. svyazi 23 no. 3:21-23 Mr '63.
- We are fully utilizing automatic control means in telegraph communications. G. B. Tsigelman. Avtom., telem., i svyaz' 7 no. 2:28-27 F '63.

TELEGRAPH—EQUIPMENT AND SUPPLIES

- A tone generator for telegraph operators (from "Das Elektron," nos. 6 and 7 1962). Radio no. 12:55 D '62.

TELEMETERING

- Discrete frequency-combinational telemetry system with a converter in the form of a code disc. B. S. Didyk. Avtomatika 8 no. 1:55-57 '63.
- Multichannel program switch with a low parasitic thermal e.m.f. A. V. Golubev. Mat. k uch. o merz. zon. zern. kory no. 8:152-159 '62.
- Reservation of power supply for telemetering devices. N. S. Shabaln. Energetik 11 no. 4:41 Ap '63.

TELEPATHY see Thought transference

TELEPHONE

- A K-100/2000 crossbar automatic telephone exchange. B. S. Livelits, Vest. svyazi 23 no. 1:9-11 Ja '63.
- Concerning a certain method for increasing the interference rejection of telephone communication. S. P. Baronin. Radiotekhnika 18 no. 3:30-38 Mr '63.
- An improved voltage regulator bay. L. A. Spasekaia, M. I. Solov'chik. Vest. svyazi 23 no. 1:12-14 Ja '63.
- Long-distance through calls should be given a green light. V. I. Osipova and others. Vest. svyazi 23 no. 1:21-23 Ja '63.

TELEPHONE—EMPLOYEES

- Attentive and courteous treatment of the customers. T. I. Goncharov. Vest. svyazi 23 no. 3:26-27 Mr '63.
- Competitions for the right to be called a "Main line of communist labor." V. I. Osipova. Vest. svyazi 23 no. 1:30-31 Ja '63.
- Work problems are in the center of attention. L. I. A. Iakovlev. Vest. svyazi 23 no. 1:27-28 Ja '63.

TELEPHONE—EQUIPMENT AND SUPPLIES

- High-frequency KV-12 telephone apparatus. M. P. Sobolev, N. E. Popova. Vest. svyazi 23 no. 3:9-12 Mr '63.

TELEPHONE LINES

- Arkhangel'skii G. A., K. G. Levinov, and V. A. Ialyshay. [Retention of pressure in telecommunication cables] Soderzhanie kabeloi svyazi pod davyleniemo. Moskva, Svyaz'izdat, 1962. 93 p. (Lektsii po tekhnike svyazi)

TELEVISION

- Automatic adjustment of the frequency of vertical sweep (from "Funkschau," no. 21 1962). Radio no. 4:59-60 Ap '63.
- Develop and improve means of radio communications, television broadcasting and radio broadcasting. A. L. Badalov. Vest. svyazi 23 no. 1:3-4 Ja '63.
- Korobelnikov, I. N., and G. O. Lutikh. [Mechanization and automation practices in factories engaged in assembling television receivers with printed circuit components] Zavodskoi opyt mekhanizatsii i avtomatizatsii proizvodstva montazha i sborki televizorov na pechatnykh platkakh. Leningrad, 1962. 17 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom, Seriya: Pribyry i elementy avtomatiki, no. 10)
- Lettes, L. S. [Television broadcasting technology] Tekhnika televizionnogo veslichaniia. Moskva, Svyaz'izdat, 1963. 495 p.
- Operation of the anode circuit of the output stage of an amplifier of modulated oscillations of a television short-wave radio transmitter. A. I. Lebedev-Karmanov. Radiotekhnika 18 no. 3:42-63 Mr '63.
- Portable television system. A. Pukhtenko. Radio no. 4:28-27 Ap '63.

TELEVISION—ABSTRACTS

- Television. Tekh. kino i telev. 7 no. 3:83-85 Mr '63.

TELEVISION—BIBLIOGRAPHY see Bibliography—Television

TELEVISION—EQUIPMENT AND SUPPLIES

- (see also subdivision under Minsk)
- Black-and-white in color. K. Samoilkov. IUn, tekhn. 7 no. 3:48 Mr '63.

TELEVISION—EQUIPMENT AND SUPPLIES (Continued)

Continuing the discussion on television. B. Roslov, V. Felitsyn, L. Levchenko, Ogonek 40 no. 46:28-29 N '62.
Solomonov, V. G. [Device for synthesizing characteristics (magazine with various characteristics)] Ustroistvo dlia sinteza kharakteristik (magazin kharakteristik). Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 34 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 36, No. P-58-9/4)
 Transmission of black-and-white stereoscopic images by means of a color television channel (with summary in English on p. 96). B. G. Zhebel', V. E. Dzhakonija, Tekh. kino i telev. 7 no. 3:51-56 Mr '63.

TELEVISION—PICTURE TUBES

Device for checking television picture tubes. G. Zadernovskii, Radio no. 12:53 D '62.
 Investigating the performance of the superorthicon under conditions of short-time storage (with summary in English on p. 96). E. A. Sadkovskaya, I. V. Mieshecheva, Tekh. kino i telev. 7 no. 3:57-61 Mr '63.

TELEVISION—RECEIVERS AND RECEPTION

An autotransformer for television receivers. L. Korzhhevskii, Radio no. 12:54 D '62.
 Brightness control of a television picture. E. Ginzburg, Radio no. 12:32 D '62.
 External television set. A. Gertsenshtein, Izobr. i rats. no. 7:14 JI '62.
 Fastest way to solve problems in the development of television reception equipment and techniques. L. Semenov and others, Tekh. kino i telev. 7 no. 2:1-3 F '63.
 Faults of television receivers causing image instability. A. Andreeva, Radio no. 4:24-25, 27 Ap '63.

Motuzalem, E. V., and E. A. Rymanov. ["Zaria", "Zaria-2", "Sputnik", and "Volkhov" television receivers] Televizory "Zaria", "Zaria-2", "Sputnik", "Volkhov". Moskva, Gosenergoizdat, 1962. 87 p. (Massovaya radiobiblioteka, no. 458)
 Television receivers should be manufactured of good quality and at low cost. Radio no. 4:5-6 Ap '63.

TELEVISION—RECEIVERS AND RECEPTION—TESTING

Criteria of quality evaluation of images reproduced by television picture tubes (with summary in English on p. 96). V. S. Gdalin, Tekh. kino i telev. 7 no. 2:4-11 F '63.
 Television resolution pattern for the quantitative evaluation of the resolving capacity. V. Z. Antonishin, P. T. Kononenko, Tekh. kino i telev. 7 no. 2:66-70 F '63.

TELEVISION—REPAIRING

Repaired by radio amateurs. N. Babkin and others, Radio no. 12:33 D '62.

TELEVISION—TRANSMITTERS AND TRANSMISSION

Single-tube aperture corrector (with summary in English on p. 96). V. N. Chudov, Tekh. kino i telev. 7 no. 2:58-60 F '63.

TELEVISION AND CHILDREN

Charmers of the TV screen. Sov. Soluz no. 2:44-45 '63.

TELEVISION BROADCASTING

Problems in the utilization of technical means and quality improvement of television images. K. A. Alekseev, Tekh. kino i telev. 7 no. 2:63-65 F '63.

TELEVISION BROADCASTING OF FILMS

Automatic control of the level of the video signal in the vidicon camera channel for film telecasting (with summary in English on p. 96). I. I. Shelis, E. O. Zagorovskii, Tekh. kino i telev. 7 no. 3:34-42 Mr '63.
 Revolt of conscience. Genrikh Gorkov, Ogonek 41 no. 1:26-27 Ja '63.

TELEVISION IN EDUCATION

(see also subdivision under Penza)
 Some special aspects of the perception of literary television programs by students. L. P. Pressman, Dokl. APN 6 no. 8:55-58 '62.

TELEVISION IN MEDICINE

Infrared television in medicine (with summary in English on p. 96). I. Udzon, V. D. Lovitskii, Tekh. kino i telev. 7 no. 2:80-82 F '63.

TELEVISION STATIONS—EQUIPMENT AND SUPPLIES

Electric push-button switch. A. L. Levin, Tekh. kino i telev. 7 no. 3:71-72 Mr '63.

TELLURIUM—ANTIMONY ALLOYS

see Antimony-tellurium alloys

TELLURIUM COMPOUNDS

Telluro-12-tungstic heteropoly acid. E. Sh. Ganolina, Zhur. neorg. khim. 7 no. 7:1570-1576 JI '62.

TELLURIUM ISOTOPES

Stripping reactions on Mo⁹⁷ and Te¹²⁵ [with summary in English]. N. I. Zaike, I. E. Sanzhur, Zhur. eksp. i teor. fiz. 44 no. 3:823-824 Mr '63.

TEMPERATURE

see subdivision under Rybinsk Reservoir

TEMPERATURE—MEASUREMENT

Derivation and registration of the temperature of cold welded joints of rotating thermocouples. M. O. Minin-lenko, Zbir. prats' Inst. tepl. AN URSS no. 24:124-127 '62.
 Electrochemical effect in thermocouples on the accuracy of temperature measurements. A. V. Golubev, Mat. k. uch. o merz. zon. zem. kory no. 8:113-132 '62.
 Use of thermometers for measuring transient flows of heat. G. M. Fel'dman, IU. L. Shur, Mat. k. uch. o merz. zon. zem. kory no. 8:133-144 '62.

TEMPERATURE—PHYSIOLOGICAL EFFECT

Changes in the state of irradiated and nonirradiated erythrocytes stored under different temperatures. V. P. Makarov, N. B. Khrpach, Vop. biofiz. i biokhim. i pat. erit. no. 2:129-135 '61.
 Effect of the temperature of cultivation on the sensitivity of Infusoria to the damaging action of X rays. N. E. Kovaleva, TSitologiya 4 no. 3:306-317 My-Je '62.
Mantel'man, I. I. [Distribution of the young of some fish species in the temperature gradient] O raspredelenii molodi nekotorykh vidov ryb v termogradientnykh usloviakh. Leningrad, 1958. 61 p. (Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khoziaistva. Izvestiia, vol. 47, no. 1) [With summary in English]

TEMPERATURE REGULATORS

Automatic temperature control. A. G. Gur'ianov, Energetik 11 no. 2:16-17 F '63.
 Concerning A. G. Gur'ianov's article "Automatic temperature control." E. A. Kaminskii, Energetik 11 no. 2:17-19 F '63.
 Study of the stability of heat-sensitive thermistors. F. A. Tserikh, Nauch. trudy VIESKH 11:93-109 '62.
 A transistorized d. c. voltage regulator in the ER-T-50 electronic controller. V. V. Pevzner, Energetik 10 no. 8:20-22 Je '62.

TSvetnov, S. A. [Device for automatic temperature control of grain in granaries] Ustanovka dlia avtomaticheskogo kontrolia temperatury zerna v zernokhranilishchakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 34, No. P-58-105/12)
 Two-position temperature regulation in refrigerators. E. G. Fel'dman, N. I. Zhuihoroda, Khol. tekhn. 40 no. 1:50 Ja-F '63.

TEMPERING

Effect of carbon and the alloying of steel on carbide formation during tempering. L. S. Livshits, N. A. Grinberg, E. G. Kukumeli, Metalloved. i term. obr. met. no. 3:6-12 Mr '63.

TENNIS

My most precious medal. Nikolai Ozerov, Smena 40 no. 6:30-31 Mr '63.

TENSIMETERS

Lalenkov, I. S. [Two-channel TIS-4 tensiometer] Dvukhkanal'nyi tenzometricheskii izmeritel' TIS-4. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt, Tema 31, No. P-58-106/11)

TEREPHTHALIC ACID—SPECTRA

Spectrophotometric determination of terephthalic acid in a mixture of benzenecarboxylic acids [with summary in English]. M. P. Filippov, N. I. Ruch'eva, Zhur. anal. khim. 17 no. 5:642-643 Ag '62.

TERMITES—EXTERMINATION

Vsesoiuznoe soveshchaniye po izucheniiu formitov SSSR i razrabotke protivotermitnykh meropriiatii. Ist. Ashkhabad, 1960. [First All-Union Conference on the Study of Termites in the U. S. S. R. and on Control Measures Against Them] [Doklady] Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 113 p.

TERRACES (GEOLOGY)

see subdivision under Danube Valley; Mangyshlak Peninsula

TERSOL—WINTER SPORTS

Spartaklad of six millions, Ogonek 41 no. 11:6 Mr '63.

TESTING LABORATORIES

see subdivision under Leningrad

TESTING MACHINES

Device for microhardness tests of large cylindrical parts. IU. C. Volochkovich, Mashinostroitel' no. 2:18 F '63.
 Stand for testing steel surfaces in the pinion-shaft pair of a motor-vehicle gearbox. IU. K. Esenovskii-Lashkov, E. I. Lebedev, Avi. prom. 28 no. 8:32-33 Ag '62.

TESTING MACHINES—ABSTRACTS

[Precision mechanics, optics, and testing apparatus] Ref. zhur.: Toch. mekh., opt. i isp. app. no. 3 Mr '63.

TESTS, MEDICAL

see Medical tests

TETRACYCLINE

"Antibiotics of the tetracycline group" by A. M. Chernukh, G. I. A. Kivman. Mikrobiologiya 31 no. 6:1134-1135 N-D '62.
 Effect of tetracycline antibiotics on the change of basic indices of heart activity. O. A. Gornazkov, Dokl. AN SSSR 149 no. 4:901-904 Ap '63.
 Results of the parenteral use of tetracyclines in rickettsial and other diseases. I. R. Drozhinskii, D. M. Kushnir, Trudy Kish. gos. med. inst. 13:59-60 '60.
 Tetracyclines. Report No. 16: Absolute configuration of tetracyclines. M. N. Kolosov and others, Izv. AN SSSR. Otd. khim. nauk no. 4:696-701 Ap '63.

TETRAZOBENZOTHAZOLE

Effect of substituents on the formation of the condensed tetrazolo(1,5-b)benzothiazole. L. F. Avramenko, V. I. A. Pochinok, IU. S. Rozum, Zhur. ob. khim. 33 no. 3:880-885 Mr '63.

TEXTBOOKS

Give schools 260 million textbooks. A. Vasil'chenko, Sov. knizh. torg. 14 no. 3:3-4 Mr '63.
 Schoolbooks in 1963. Sov. knizh. torg. 14 no. 2:26 F '63.
 Specifications of an open competition on textbooks for eight-year and secondary schools. Rad. shk. 41 no. 1:100-101 Ja '63.
 Typography of original textbooks for the primary school. T. G. Vohrer, Poligr. proizvod. no. 2:25-27 F '63.

TEXTILE FIBERS, SYNTHETIC

(see also subdivision under Cherkizov Province; Kirovsk; Kursk)

Miracle fibers. Sov. Soluz no. 4:26 '63.
 What do magicians look like? V. Krupin, Ogonek 41 no. 1:14-15 Ja '63.

TEXTILE INDUSTRY

(see also subdivision under Kleshma; Poland)
 That's better. O. Al'tova and others, Rabotnitsa 40 no. 6:21 Je '62.

TEXTILE INDUSTRY—AUDITING AND INSPECTION

see subdivision under Kostroma

TEXTILE INDUSTRY—MANAGEMENT

see subdivision under Kostroma

TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

see subdivision under Ivanovo Province

TEXTILE MACHINERY

(see also subdivision under Kintsevo)
 Fate of a machine. L. Gorokhovskaya, Ogonek 40 no. 49:2 D '62.
 KU-500 twist counter and methods for its operation. N. N. Pozhidaev, A. I. Pavlov, Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 1:192-198 '63.

TEXTILE MACHINERY—MAINTENANCE AND REPAIR

Mizeri, A. A. [Use of metallic ceramics and capillary lubrication in the repair and modernization of textile machinery] Primeneniye metallokeramiki i kapillarnoi smazki pri remonte i modernizatsii tekstil'nogo oborudovaniia. Moskva, Rostkhtizdat, 1962. 60 p.

TEXTILE WORKERS—EDUCATION AND TRAINING

see subdivision under Gomel'

THACKERAY, WILLIAM MAKEPEACE, 1811-1863

Thackeray in the struggle for realistic aesthetics. T. M. Gilebova, Rad. lit. 7 no. 1:42-53 Ja-F '63.

THALLIUM COMPOUNDS

Compounds formed by trivalent thallium with pyridine and quinoline. P. I. A. Kul'ba and others, Zhur. neorg. khim. 8 no. 4:911-915 Ap '63.
 Study of thiocyanate complexes of thallium in aqueous and water-methanol solutions. F. I. A. Kul'ba, N. N. Chernova, Zhur. neorg. khim. 7 no. 7:1595-1600 JI '62.

THALLIUM HALIDES

Quaternary system Tl₂Cl₂-Tl₂Br₂-Na₂SO₄-K₂SO₄. A. P. Palkin, T. A. Polivanova, Zhur. neorg. khim. 8 no. 4:959-963 Ap '63.

THAWING

see subdivision under Elbrus, Mount

THEATER

(see also subdivision under Armenia; Bukovina; Greece; Kiev; Moscow; Yaroslavl)
 Art. N. Pavlova, D. Kabalevskii, E. Tade, Ogonek 41 no. 9:25 F '63.

THEATER—MORAL AND RELIGIOUS ASPECTS

(see also subdivision under Chernovtsy)
 "Man and God." K. Kask, Nauka i rel. 4 no. 3:85-87 Mr '63.

THEATER—YEARBOOKS

[Theatrical calendar for 1963] Teatral'nyi kalendari' na 1963 god. Leningrad, Iskustvo, 1962. 180 p.

HEATERS—STAGE SETTING AND SCENERY

Zosunov, N. N. [From the model to the decoration] *Of maketa k dekoratsii.* Moskva, Izd-vo "Iskusstvo," 142 p.

THEORY OF GROUPS see Groups, Theory of

HERAPEUTICS, DENTAL

Late results of the treatment of chronic periodontitis with sulfonilamide and "asfalin" pastes. M. A. Bil'duk-kevich. *Probl. stom.* 6:189-192 '62.

HERMAL ANALYSIS

Thermodynamic analysis of the gaseous atmosphere in foundry molds. I. U. P. Vasin. *Izv. vys. ucheb. zav.;* *chern. met.* 6 no. 2:133-138 '63.

Thermographic investigation of the systems consisting of potassium tetramolybdate - potassium carbonate and potassium tetratungstate - potassium carbonate. M. V. Mokhoscev, I. M. Kulshov, P. I. Fedorov. *Zhur. neorg. khim.* 7 no. 7:1628-1631 J1 '62.

HERMAL INSULATION see Insulation (Heat)

HERMAL STRESSES

ending of castings during cooling in the mold. N. G. Girshevich, M. P. Simanovskii. *Lit. proizv.* no. 2:22-26 F '63.

Changes in weld zone metal properties during the argon-arc welding of ABT1, AMg6, B92, and ATSM alloys. A. S. Chisarikov, A. M. Petrov. *Svar. proizv.* no. 3:10-18 Mr '63.

Investigating thermal stresses in parts of the cylinder piston group of the M-21 engine. B. A. Vzorov. *Avt. prom.* 29 no. 3:3-7 Mr '63.

Irubisyn, N. A., and others. [Hot crack resistance in carbon steel castings] *Gorlachaia treshchinostoi-chivost' i toki uglerodistoi stali.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 13 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 1, No. M-58-207/4)

HERMAL WATERS

(see also subdivision under Matsesia region)

Akademiia nauk SSSR. Laboratoriia hidrogeologicheskikh problem. [Thermal waters of the U.S.S.R. and their utilization in heat and power engineering] *Termal'nye vody SSSR i voprosy ikh teploenergeticheskogo ispol'zovaniia.* Moskva, Izd-vo Akad. nauk SSSR, 1963, 200 p.

HERMONIC EMISSION

Experimental study of the energy spectra of electrons emitted by a yttrium oxide cathode in strong electrical fields. V. N. Lutsik, M. I. Elinson. *Radiotekh. i elektron.* 8 no. 3:457-470 Mr '63.

HERMISTORS

Methods for standardizing the temperature characteristics of semiconductor thermistors. M. A. Kaganov, Shor. *trud. po agron. fiz.* no. 10:212-223 '62.

Semiconductor cooler for liquids. V. A. Naer, S. A. Rozhentseva. *Khol. tekhn.* 40 no. 1:20-23 Ja-F '63.

Study of the stability of heat-sensitive thermistors. F. A. Tserikh. *Nauch. trudy VIESKH* 11:93-100 '62.

HERMOCHEMISTRY

Reduction of titanium and niobium oxides by calcium carbide and cyanamide. G. A. Meerson, L. M. Iakoshova, T. A. Shvedova. *Izv. AN SSSR, Otd. tekhn. nauk Met. i gor. delo* no. 1:69-75 Ja-F '63.

Thermochemistry of tetraethylgermanium and hexaethyl-digermanium. I. B. Rabinovich and others. *Dokl. AN SSSR* 149 no. 2:324-326 Mr '63.

HERMOCOUPLES

Zubov, I. P. [Stability of the thermal e.m.f. in chromel-alumel thermocouples in a 300-1000° temperature range] *Stabil'nost' T. E. D. S. khromel'-allumelovykh termopar v intervalo 300-1000.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 32 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34, No. P-57-20/5)

HERMODYNAMICS

Asymptotic inequalities applicable to certain thermodynamic functions. T. V. Morozova. *Ukr. mat. zhur.* 15 no. 1:71-76 '63.

Krichevskii, L. R. [Fundamental concepts of thermodynamics] *Poniatia i osnovy termodinamiki.* Moskva, Goskhimizdat, 1962, 443 p.

Temperature field of an infinite hollow cylinder in the case of mixed boundary conditions. B. I. Kogan, A. F. Khrustalev. *Izv. vys. ucheb. zav. i mat.* no. 2:60-62 '63.

Thermodynamic criterion for the applicability of the potential theory of adsorption. B. P. Bering, V. V. Serpin-skii. *Dokl. AN SSSR* 148 no. 6:1331-1334 F '63.

Thermodynamics of highly elastic deformation. T. N. Khazanovich. *Uch. zap. Mosk. gor. ped. inst.* 88:103-204 '60.

Thermodynamics of the reaction of formation of tungsten carbides. V. I. Alekseev, L. A. Shvarteman. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:91-98 Ja-F '63.

THERMOELECTRICITY

Volkov, I. U. M. comp. and tr. [Plasma in a magnetic field and direct conversion of thermal energy to electric power. Articles translated from the English] *Plazma v magnitnom pole i priamoe preobrazovanie teplovoi energii v elektricheskuiu; sbornik statei.* Pod red. L. I. Dormana. Moskva, Gosatomizdat, 1962, 470 p.

THERMOMETERS

Thermometers for measuring soil temperature. B. Shli-movich. *Radio no.* 12:25-27 D '62.

THERMOPHILIC BACTERIA see Bacteria, Thermo-philic

THERMOPLASTICS

Possibilities of organizing production-line manufacture of pipe lined with thermoplastics. G. I. Shapiro, L. F. Danilenko. *Shor. trud. NIST* no. 12:84-91 '62.

The problem of relieving stresses in sheet thermoplastics. L. F. Danilenko, V. A. Shatskova, G. I. Shapiro. *Shor. trud. NIST* no. 12:122-127 '62.

THERMOSTAT

Improving the temperature control system of open-hearth furnaces. V. S. Kocho, V. I. Grankovskii, V. L. Naidek. *Avtom. i prib.* no. 1:21-24 Ja-Mr '63.

THIAZOLE

Pyridylthiazolymethane. Part 2: Synthesis and properties of 2-pyridyl-2'-thiazolylcarbinols. V. G. Ermo-laeva, I. S. Musatova, M. N. Shchukina. *Zhur. ob. khim.* 33 no. 3:825-828 Mr '63.

THICKENING AGENTS

Effect of thickeners on the quality of suppositories. H. P. Pivnenko and others. *Farmatsev. zhur.* 17 no. 4:9-13 '62.

Islen'tev, P. A. [Thickening agents and adhesives made of specially prepared macromolecular compounds] *Zagushchalaushchii i kleishchite materialy iz spetsial'no podgotovlennykh vysokomolekuliarnykh soedinenii.* Moskva, Izd-vo nauchno-tekhn. lit-ry, RSFSR, 1960, 56 p.

[MICROFILM]

THICKHEADED FLIES

Three new species of Diptera (Syrphidae and Conopidae) [with summary in English]. L. V. Zimna. *Zool. zhur.* 42 no. 2:297-300 '63.

THIOCYANATES

Cesium octarhodanothorate $Cs_4(Th(CNS)_8) \cdot 12H_2O$. A. K. Molodkin, G. A. Skotnikova. *Zhur. neorg. khim.* 7 no. 7: 1548-1551 J1 '62.

Complex hafnium thiocyanates. I. V. Tananayev, I. A. Rozanov, A. G. Kolgushkina. *Zhur. neorg. khim.* 6 no. 4:1013-1014 Ap '63.

Infrared absorption spectra of thiocyanate complexes of hafnium (IV). I. U. A. Kharitonov, I. A. Rozanov, I. V. Tananayev. *Izv. AN SSSR, Otd. khim. nauk* no. 4:596-601 Ap '63.

Reaction of organic thiocyanates with water in the presence of hydrogen chloride. E. N. Zil'berman, A. I. A. Lazars. *Zhur. ob. khim.* 33 no. 3:1023-1026 Mr '63.

Spectrophotometric determination of uranium by means of thiocyanate in the presence of molybdenum and vanadium [with summary in English]. L. M. Moiseeva, I. U. N. Tumanov. *Zhur. anal. khim.* 17 no. 5:595-597 Ag '62.

Study of thiocyanate complexes of thallium in aqueous and water-methanol solutions. F. I. A. Kul'ba, N. N. Chernova. *Zhur. neorg. khim.* 7 no. 7:1595-1600 J1 '62.

THIOLS

Thiol-disulfide exchange in polysulfide polymers. R. A. Shlakhter, N. P. Apukhtina, T. P. Nasonova. *Dokl. AN SSSR* 149 no. 2:345-347 Mr '63.

THORIUM

Some transfer reactions occurring during thorium irradiation by Ne^{22} ions [with summary in English]. G. Kumpf, E. D. Donets. *Zhur. eksp. i teor. fiz.* 44 no. 3:788-803 Mr '63.

THORIUM—DECAY

Radioactive elements of the uranium and thorium series in oil field formation waters. G. Kh. Efendiev, A. N. Nuriev. *Azerb. khim. zhur.* no. 2:113-117 '62.

THORIUM ACETATES

Thorium subacetate. K. N. Kovalenko, D. V. Kazachenko, O. N. Samsonova. *Zhur. neorg. khim.* 8 no. 4:797-801 Ap '63.

THORIUM ALLOYS

Ivanov, O. S., ed. [Structure and properties of uranium, thorium, and zirconium alloys] *Struktura i svoistva splavov urana, toria i tsirkoniia.* Moskva, Gosatomizdat, 1963, 378 p.

THORIUM COMPOUNDS

Cesium octarhodanothorate $Cs_4(Th(CNS)_8) \cdot 12H_2O$. A. K. Molodkin, G. A. Skotnikova. *Zhur. neorg. khim.* 7 no. 7: 1548-1551 J1 '62.

On the formation of $Th(OH)_4Th^{4+}$ ions. A. I. Zhukov and others. *Zhur. neorg. khim.* 8 no. 4:871-875 Ap '63.

THORIUM OXALATE

Study of oxalate complexes of thorium by the kinetic method. K. B. Iatsimirskii, I. U. A. Zhukov. *Zhur. neorg. khim.* 7 no. 7:1583-1588 J1 '62.

THOUGHT TRANSFERENCE

Do you have "psi" phenomena? R. Podol'nyi. *Sinena* 40 no. 5:30-31 Mr '63.

THREAD—TESTING

State of the sewing thread during the formation of the stitch with the machine shuttle. S. I. Ruskov. *Izv. vys. ucheb. zav.;* *tekh. leg. prom.* no. 1:151-157 '63.

THROMBOSIS

Thrombosis of the common carotid artery and internal carotid artery with a fatal outcome after Crile's operation. N. M. Smirnov. *Vest. otorin.* no. 4:97-99 '62.

Thrombosis of the portal vein and its branches. S. R. Bell. *Vop. pat. krovi i krovoobr.* no. 6:186-197 '61.

THUENE

Study of the constituents of essential oils. Part 5: Addition of alcohols to sabinene. M. I. Gorlaev, G. A. Tol'stkov. *Zhur. ob. khim.* 33 no. 3:1031-1037 Mr '63.

THULIUM ISOTOPES

Rumiantsev, S. V., and L. N. Mateluk. [Thulium-170 as a radiation source for gamma-defectoscopy] *Tulii-170 kak istochnik izlucheniia dlia gamma-defektoskopii.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Moskva, Tema 23, No. M-58-109/1)

THYMIDINE

Studying the mitotic cycle of the epithelial cells of the cornea in mice using tritium-labeled thymidine. M. G. Chumak. *Dokl. AN SSSR* 149 no. 4:960-962 Ap '63.

THYMUS GLAND—CANCER

Means of metastasizing primary tumors of the thymus gland. E. E. Konig. *Zdrav. Turk.* 7 no. 1:21-23 Ja '63.

THYRATRONS

Level signaling device with cold cathode thyatron. S. A. Brainin, V. M. Kirpichnikov. *Lit. proizv.* no. 2:10-11 F '63.

THYROID GLAND see subdivision under Ashkhabad

THYROID GLAND—DISEASES

Reactivity of the adrenal cortex in thyrotoxicosis patients following the injection of the adrenocorticotrophic hormone of the pituitary body. Sh. Sh. Shamakhmudov. *Vop. biol. i kraev. med.* no. 3:243-246 '62.

TIAGUNOV, GEORGH ALEKSANDROVICH, 1908-1962

G. A. Tiagunov; obituary. *Izv. vys. ucheb. zav. i radiotekh.* 6 no. 1:113-114 Ja-F '63.

TIBET—SOCIAL CONDITIONS

Domogatskikh, M. G. [The morning of Tibet] *Utro Tibeta.* [Moskva] Izd-vo "Molodaia gvardiia," 1962, 171 p.

TICKS

(see also subdivision under Tashkent Province; Vologda Province)

Time for oviposition and embryonic development of the tick *Hyalomma anatolicum Koch.* T. E. Kuklina. *Vop. biol. i kraev. med.* no. 3:182-189 '62.

TICKS AS CARRIERS OF DISEASE

Role of ticks of the superfamily Ixodoidea in Q-rickettsiosis. Report No. 1: On natural infection of the tick *Ixodes ricinus L.* by *Rickettsia burneti.* A. B. Daltser, N. I. Amosenkova, K. N. Klenova. *Trudy Len. inst. epid. i mikrobiol.* 23:154-165 '61.

Role of ticks of the superfamily Ixodoidea in Q-rickettsiosis. Report No. 2: Infection of the tick *Ornithodoros papillipes Bir.* by *Rickettsia burneti* in an experiment. A. B. Daltser, N. I. Amosenkova. *Trudy Len. inst. epid. i mikrobiol.* 23:166-180 '61.

TIDAL POWER

Tidal power stations... What are they? B. Abramov. *Kul't. i zhizn'* 6 no. 9:23 '62.

TIDES

Earth tides and the internal constitution of the earth. N. N. Paril'skii. *Izv. AN SSSR, Ser. geofiz.* no. 2:193-215 F '63.

Tidal evolution of the Earth-Moon system. E. L. Ruskol. *Izv. AN SSSR, Ser. geofiz.* no. 2:216-222 F '63.

TIDES—CLASSIFICATION

Concerning K. T. Bogdanov and B. A. Tereyev's article "Classification of tides and tidal currents." A. P. Legen'kov. *Izv. AN SSSR, Ser. geofiz.* no. 2:381-383 F '63.

TIDES—TABLES

Kramer, M. V. [Tables of tidal changes caused by the sun and the moon on a solid earth in 1962 (for a point with coordinates 50° N. lat., 0° long.).] *Tablitsy prihlivnykh izmenenii sily tiazhesti ot luny i solntsa dlia absolutno tverdogo Zemli na 1962, g. (dlia punkta s koordinatami $\gamma = 50^\circ$ s.sh.; $\lambda = 0^\circ$) Moskva, Akad. nauk SSSR, 1962, 49 p. [With summary in English]*

TIEN SHAN—CORALS, FOSSIL

Find of representatives of the genus *Fasciophyllum* in Ludlow sediments of the Tien Shan. A. P. Pavlova. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 7:95-96 '62.

TIEN SHAN—KIRGHIZ

The term "Buraty." A. Abdykalykov. *Sov. etn.* no. 1: 123-127 Ja-F '63.

TIEN SHAN—PALEONTOLOGY, STRATIGRAPHIC

Finds of fauna Ordovician in the sediments regarded formerly as Pre-Cambrian. V. N. Okhotnikov. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 7:91-93 '62.

TIEN SHAN—POLYZOA, FOSSIL

Bryozoa from Famenian sediments in the Chatkal-Naryn zone of the Tien Shan. M. B. Orlovskii, B. V. Poterikov. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 7:85-90 '62.

TIFLIS—BOOKSELLERS AND BOOKSELLING

Reserves? They exist. E. Kalina. *Sov. knizh. tog.* 14 no. 2:12-13 F '63.

TIKHVIN DISTRICT—BAUXITE

Physicochemical properties of overburden rocks in the deposit of Tikhvin bauxites. V. N. Novozhilov. *Zap. LGI* 44 no. 2:152-162 '62.

Trend in draining bauxite deposits in Tikhvin District. V. N. Novozhilov, E. V. Lekhtimiaki. *Zap. LGI* 44 no. 2: 109-117 '62.

TIKHVIN DISTRICT—MINE DRAINAGE

Trend in draining bauxite deposits in Tikhvin District. V. N. Novozhilov, E. V. Lekhtimiaki. *Zap. LGI* 44 no. 2: 109-117 '62.

TIKHVIN DISTRICT—ROCKS

Physicochemical properties of overburden rocks in the deposit of Tikhvin bauxites. V. N. Novozhilov. *Zap. LGI* 44 no. 2:152-162 '62.

TILES

Facing slabs with tiles made of window glass wastes. K. S. Veselov. *Transp. stroi.* 13 no. 2:27-28 F '63.

Facing tiles made of waste glass. *Stroitel'* 9 no. 3:29-30 Mr '63.

They replaced ceramic tiles by glass ones. *Zhil. -kom. khoz.* 13 no. 3:insert: p. 3 Mr '63.

TILES, ROOFING

Come back to clay roofing tile. V. Kosarev. *Izobr. i rats.* no. 7:14 Ji '62.

Device for laying strips of tile on SM-665 drying frames. B. A. Vikulov, A. A. Mitagin. *Stroi. i dor. mash.* 8 no. 2:31-32 F '63.

TILLAGE

(see also subdivision under Volga Valley)

Effect of various tillage methods on the physical properties of soils in dry valley pastures [with summary in English]. A. A. Zotov. *Pochvovedenie* no. 2:91-95 F '63.

Effectiveness of plowing turf-Podzolic soils for spring wheat with and without a moldboard. P. P. Zaev, G. E. Kozlov. *Sbor. trud. po agron. fiz.* no. 10:116-124 '62.

Modification of Vil'iams-Mal'tsev's tillage system and its scientific bases. V. T. Makarov. *Pov. plod. pochv. nechernozem. pol.* no. 2:48-58 '62.

TILLITE see subdivision under Yakutia

TIMBERING OF MINES see Mine timbering

TIME MEASUREMENTS

Utiamshev, R. I. [Highly stable electronic IV-2S microsecond meter with quartz stabilization and the IG-1 device for checking and calibrating precision-type electronic microsecond and millisecond meters] *Vysokostabil'nyi elektronnyi mikrosekundomer IV-2S s kvartsevoi stabilizatsiei i pribor IG-1 dlia proverki i kalibrovki tochnykh elektronnykh mikro- i millisekundomerov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 28 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-58-37/7)*

TIN

Mössbauer effect on Sn^{119} nuclei and an attempt to detect the effect on Pr^{141} [with summary in English]. V. A. Bukarev. *Zhur. eksp. i teor. fiz.* 44 no. 3:852-857 Mr '63.

Studying the Fermi surface of tin with the aid of the dimensional effect [with summary in English]. V. F. Gantmakher. *Zhur. eksp. i teor. fiz.* 44 no. 3:811-822 Mr '63.

TIN—METALLURGY see subdivision under Tiraspol'

TIN CANS

Make a more efficient use of the capacity of tin containers. A. I. Popovich, F. I. Kogan. *Kons. i ov. prom.* 18 no. 4:21-24 Ap '63.

TIN CHLORIDES

Density, viscosity, and surface tension of carbon tetrachloride and tin tetrachloride. P. P. Pugachevich and others. *Zhur. neorg. khim.* 8 no. 4:791-796 Ap '63.

Infrared spectra of complexes formed by vinyl ethers of phenol, o-aminophenol, and aniline with stannic chloride. M. F. Shostakovskii and others. *Dokl. AN SSSR* 149 no. 4:862-864 Ap '63.

TIN COMPOUNDS—ABSORPTION SPECTRA

Possible reason for the asymmetry of doublet components of Moessbauer's absorption spectra in some powder tin compounds. S. V. Kariagin. *Dokl. AN SSSR* 148 no. 5: 1102-1105 F '63.

TIN-LEAD ALLOYS see Lead-tin alloys

TIN-NICKEL ALLOYS

Chebotaeva, I. I., and N. S. Sidel'nikova. [Introducing the industrial use of electroplated coatings of tin-nickel alloys] *Opyt proizvodstvennogo vnedreniia gal'vanicheskogo pokrytiia splavom olovo-nikel'. Leningrad, 1962, 20 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen poredovym opytom. Seriia: Zashchitnye pokrytiia metallov, no. 9)*

TIN ORGANIC COMPOUNDS

Addition of triphenyl radicals to 1,3-enyne tin hydrocarbons. V. S. Zavgorodnii, A. A. Petrov. *Dokl. AN SSSR* 149 no. 4:846-849 Ap '63.

Reducing properties of triethyl tin hydride. N. S. Viazhenkin, G. A. Razuvaev, C. P. Korneva. *Zhur. ob. khim.* 33 no. 3:1041-1042 Mr '63.

Stepped formation of compounds with a stannoxane bond and reactive terminal groups. N. N. Zemlinskii and others. *Dokl. AN SSSR* 149 no. 2:312-315 Mr '63.

TIN PLATE

Mechanism for cutting and packaging the waste of tin plate. Solodunov, Ryb. khoz. 39 no. 3:60-61 '63.

TIN SELENIDE

Problem of the second type phase transition of SnSe . S. A. Dembovskii and others. *Zhur. neorg. khim.* 8 no. 4:1025-1026 Ap '63.

TIN-TITANIUM ALLOYS

Investigation of the tin-titanium system in the tin rich region. V. N. Eremin, T. I. A. Velikanova. *Zhur. neorg. khim.* 7 no. 7:1750-1752 Ji '62.

TIN-TITANIUM-ZIRCONIUM ALLOYS see Titanium-zirconium-tin alloys

TIRASPOL—AGRICULTURE—STUDY AND TEACHING

Practice of the Tiraspol' Fruit and Vegetable State Farm Technical School. S. I. Bablin. *Sred. spets. obr.* 10 no. 3:12-17 Mr '63.

TIRASPOL—CLOTHING WORKERS

Common stars. N. Khrabrova. *Ogonek* 41 no. 10:17-18 Mr '63.

TIRASPOL—TIN—METALLURGY

Refining of tin in the Tiraspol' "Metallografiia" plant. V. P. Kovtun, P. P. Kovtun. *Kons. i ov. prom.* 18 no. 4: 24-25 Ap '63.

TIRASPOL' REGION—SCYTHIAN ANTIQUITIES

Scythian graves in the Tiraspol' region. A. I. Melnikova. *Mat. i issl. po arkheol. SSR* no. 115:114-166 '62.

TIRES, RUBBER see subdivision under Yaroslavl

TISSUE CULTURE

Application of the methods of tissue incubation in vitro to the study of mammalian karyotypes. N. P. Hochkov, L. S. Nemtseva. *TSitologiya* 4 no. 3:365-367 My-Je '62.

Histochemical study of a series of oxidative enzymes in the process of "spontaneous" malignant transformation of fibroblasts in tissue cultures. N. T. Roikhlin, N. S. Staroverova. *TSitologiya* 4 no. 3:290-296 My-Je '62.

TISSUE CULTURE—CONGRESSES

Conference of the European Tissue Culture Club in Leiden and Amsterdam and some trends in the cytological research of the Netherlands. P. P. Rumiantsev. *TSitologiya* 4 no. 3:373-380 My-Je '62.

TISSUE EXTRACTS

Effectiveness of tissue therapy in parodontosis. L. G. Shcherbina. *Probl. stom.* 8:116-121 '62.

New source of biogenetic stimulants. V. I. Zakharov, L. V. Shaleva. *Trudy Kish. gos. med. inst.* 13:157-160 '60.

TITANIUM

(see also subdivision under Voronezh Province)

The color of titanium enamels. V. V. Vargin, V. I. Senderovich. *Stek. i ker.* 20 no. 4:23-25 Ap '63.

Enamels made with a rutile concentrate. G. I. Beliaev, S. I. Blekh. *Stek. i ker.* 20 no. 4:26-27 Ap '63.

Kalugin, V. F., and others. [Technology of ingot forging and the continuous rolling of large-size, commercially pure, VT1D titanium sheet. Over-all mechanization of the loading and unloading of ingots from holding furnaces] *Tekhnologii kovki slitkov i nepreryvnoi prokalki krupnogatarnogo lista iz tekhnicheskii chistogo titana VT1D. Kompleksnaya mekhanizatsiia protsessov zagruzki i vygruzki zagotovok iz metodicheskoi pechi. [By] A. I. Ogurtsov, Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 17 p. (Poredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 5. No. M-58-22/3)*

TITANIUM—METALLOGRAPHY

Investigations in the field of the physical chemistry of titanium. I. I. Kornilov. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:152-160 Ja-F '63.

TITANIUM—METALLURGY

Phase transformations in the reduction of titanium dioxide in slag systems. A. V. Rudneva, M. S. Medvedev. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1: 59-63 Ja-F '63.

TITANIUM ALLOYS

Dilatometry of binary titanium-base alloys. B. A. Borok and others. *Metalloved. i term. obr. met.* no. 2:32-36 F '63.

Ignition of titanium alloys in oxygen-containing atmospheres. E. A. Borisova, K. V. Burdakov. *Metalloved. i term. obr. met.* no. 2:37-40 F '63.

Modern titanium alloys. S. G. Glazunov. *Metalloved. i term. obr. met.* no. 2:2-7 F '63.

TITANIUM ALLOYS—HEAT TREATMENT

Heat treatment of titanium alloys in a six-component system Ti - Al - Cr - Fe - Si - B. I. I. Kornilov, B. K. Vul'f, S. A. Iudin. *Metalloved. i term. obr. met.* no. 2:54-56 F '63.

Increasing the impact toughness of OT4 and OT4-1 alloys by heat treatment. N. P. Neverova-Skobel'eva and others. *Metalloved. i term. obr. met.* no. 2:45-49 F '63.

TITANIUM ALLOYS—HYDROGEN CONTENT

Effect of hydrogen on the tendency of titanium alloys to delayed cracking. B. S. Krylov, A. S. Mikhailov. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:160-173 Ja-F '63.

Hydrogen absorption by titanium alloys during pickling. I. N. Kaganovich, T. V. Shikhaleeva. *Metalloved. i term. obr. met.* no. 3:30-44 Mr '63.

TITANIUM ALLOYS—METALLOGRAPHY

High-temperature treatment of titanium alloys with an unstable β -phase. V. N. Dobatkin, G. A. Barchev. *Metalloved. i term. obr. met.* no. 2:59-62 F '63.

Structure and mechanical properties of low-alloy titanium alloys. L. S. Moroz, I. D. Khesin, O. H. Belova. *Metalloved. i term. obr. met.* no. 2:17-23 F '63.

TITANIUM ALLOYS—METALLURGY

Solubility of β -stabilizers in α -titanium. I. P. Lazhinikov, V. M. Novikova, A. P. Mareev. *Metalloved. i term. obr. met.* no. 2:13-10 F '63.

TITANIUM ALLOYS—THERMAL PROPERTIES

Certain regularities in the heat resistance of titanium alloys. I. I. Kornilov. *Metalloved. i term. obr. met.* no. 2:17-18 F '63.

TITANIUM ALLOYS—WELDING

Mechanical properties and the structure of titanium alloys during welding. A. P. Gorlachov, Z. I. Kopel'man-Serpukhova. *Metalloved. i term. obr. met.* no. 2:57-59 F '63.

TITANIUM-ALUMINUM ALLOYS—TESTING

Effect of tungsten on the properties and phase constitution of Ti-Al and BT3-1 alloys. O. P. Solonina, V. P. Kuraeva. *Metalloved. i term. obr. met.* no. 2:60-62 F '63.

TITANIUM-ALUMINUM-CHROMIUM ALLOYS—METALLOGRAPHY

Heat treatment of titanium alloys in the five-component system Ti - Al - Cr - Fe - Si. I. I. Kornilov, V. S. Mikheev, T. S. Chernova. *Metalloved. i term. obr. met.* no. 2:52-64 F '63.

TITANIUM CHLORIDE

Effect of the composition of a melt on equilibrium concentrations of titanium di- and trichloride. S. I. Skliarenko, S. F. Dolov. *Zhur. neorg. khim.* 7 no. 7:1638-1639 Ji '62.

TITANIUM-CHROMIUM ALLOYS—TESTING

Properties and heat treatment of Ti-Cr and Ti-Cr-Al alloys. V. N. Moiseev. *Metalloved. i term. obr. met.* no. 2:24-32 F '63.

TITANIUM-CHROMIUM-MOLYBDENUM ALLOYS—HARDENING

New thermally hardenable BT15 alloy. G. N. Tarasenko, S. G. Glazunov. *Metalloved. i term. obr. met.* no. 2: 41-45 F '63.

TITANIUM-MOLYBDENUM-ALUMINUM ALLOYS—TESTING

Physical and mechanical properties of alloys in the system titanium - molybdenum - aluminum. O. P. Blutin and others. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor.*, delo no. 1:176-180 Ja-F '63.

TITANIUM ORES see subdivision under Kurile Islands

TITANIUM OXIDES

Chlorination of titanium dioxide with aluminum chloride in melted carnallite. A. B. Bezukladnikov. *Zhur. prikl. khim.* 36 no. 2:451-453 F '63.

Electrode properties of glasses containing titanium dioxide [with summary in English]. M. M. Shults, V. S. Bobrov, I. S. Bukhareva. *Vest. LGU* 18 no. 4:134-142 '63.

Higher titanium oxides. N. I. Bogdanova, G. P. Pirogovskaya, S. M. Arisa. *Zhur. neorg. khim.* 8 no. 4:785-787 Ap '63.

Reduction of titanium and niobium oxides by calcium carbide and cyanamide. G. A. Meerson, L. M. Iakushova, T. A. Shvedova. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor.*, delo no. 1:69-75 Ja-F '63.

TITANIUM OXIDES—MAGNETIC PROPERTIES

Magnetic susceptibility of lower titanium oxides. I. A. V. Vasil'ev, D. D. Khrycheva, S. M. Arisa. *Zhur. neorg. khim.* 8 no. 4:786-789 Ap '63.

TITANIUM PLATING

Mechanism of the electrodeposition of titanium from aqueous solutions. N. T. Kudriavtsev, R. G. Golovchenko. *Dokl. AN SSSR* 148 no. 6:1339-1342 F '63.

TITANIUM-TIN ALLOYS see Tin-titanium alloys

TITANIUM-ZIRCONIUM-TIN ALLOYS—TESTING

Creep of titanium-zirconium-tin alloys. V. V. Glazova, N. N. Kurmakov. *Izv. AN SSSR, Otd. tekhn. nauk, Met. i gor.*, delo no. 1:161-167 Ja-F '63.

TITRATION

Quantitative determination of analgin by titration in anhydrous solvents. V. P. Bozhilovskiy, N. P. Dzhuha, Farmatsev. *Zhur.* 17 no. 4:17-20 '62.

Titration of mixtures of bases in anhydrous acetic acid [with summary in English]. A. M. Shkodin, L. P. Sadovnichaya, V. S. Panchenko. *Zhur. anal. khim.* 17 no. 5: 540-543 Ag '62.

TOADS

Effect of toad poison on white mice in rarefied air deficient of oxygen. V. I. Zakharov. *Trudy Kish. gos. med. inst.* 13:161-165 '60.

TOBACCO—ANALYSIS AND CHEMISTRY

Studying the qualitative composition of water insoluble nitrogen compounds of tobacco dried by various methods. A. D. Vashnina. *Izv. vys. ucheb. zav. i spishch. tekhn.* no. 1:39-41 '63.

TOBACCO INDUSTRY

Investigating the processing of large-leaf tobaccos. A. E. Aziz'lan. *Izv. vys. ucheb. zav. i spishch. tekhn.* no. 1:93-98 '63.

Moscow, Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti, [Over-all mechanization and continuous production-line methods in the tobacco industry] Kompleksnaya mekhanizatsiya i potochnye metody proizvodstva v tabachnoi promyshlennosti. Moskva, 1962. 33 p. (Tekhnicheskaya informatsiya)

[MICROFILM]

Tkach, A. G. [Brief manual for workers engaged in the tobacco industry] Kratkiy spravochnik tabachnika. Moskva, Pishchepromizdat, 1963. 112 p.

TOBERMORITE

Calculation of the specific surface area of tobermorite from its crystal lattice parameters and adsorption data. K. G. Krasil'nikov. *Dokl. AN SSSR* 149 no. 4: 891-893 Ap '63.

TOGLIATTI, PALMIRO, 1893-

Palmiro Togliatti. G. V. Vasil'ev. *Vop. ist. KPSS* 7 no. 3:83-87 Mr '63.

TOILETS see Water closets

TOKYO—RUSSIAN LANGUAGE—STUDY AND TEACHING

Miso Gakufu. *Sov. Soluz* no. 1:15 '63.

TOLBACHIK VOLCANO

Over the incandescent crater of Tolbachik. V. Glippenreiter. *Smena* 30 no. 22:26-28 N '62.

TOLSTOI, ALEKSEI NIKOLAEVICH, 1882-1945

Meetings with Aleksei Tolstoy, Valentina Khodasevich. *Ogonek* 41 no. 4:26-27 Ja '63.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

"Flight and death of Lev Tolstoy" by B. Melikh. Reviewed by O. Mikhailov. *Znamia* 33 no. 3:222-224 Mr '63.

Khrapchenko, M. B. [Lev Tolstoy as an artist] Lev Tolstoy kak khudozhnik. Moskva, Sovetskii pisatel', 1963. 659 p.

L. N. Tolstoy on the outline of a lesson. V. A. Nerovnykh. *Dokl. APN* 6 no. 6:59-62 '62.

Lakshin, V. Ia. [Tolstoy and Chekhov] Tolstoy i Chekhov. Moskva, Sovetskii pisatel', 1963. 588 p.

Timrot, A. D. [Heroes and figures in L. N. Tolstoy's novel "War and Peace"] Geroi i obrazy romana L. N. Tolstogo "Voyna i mir." Izd. 2, ispr. i dop. [Tula] Tul'skoe knizhnoe izd-vo, 1961. 122 p. (RPB)

TOLUENE

Liquid-vapor equilibrium in the system benzyl alcohol-toluene-water. M. P. Susarev, A. N. Gorbunov. *Zhur. prikl. khim.* 36 no. 2:459-461 F '63.

Transformation of p-phenyltolylmethane on aluminosilicate catalysts. A. F. Dobrianskii, E. N. Bykov. *Zhur. prikl. khim.* 36 no. 2:461-464 F '63.

TOMATOES

Advanced method of tomato growing. T. F. Voronov. *Kons. i ov. prom.* 18 no. 4:26-29 Ap '63.

TOMATOES—TRANSPORTATION see subdivision under Astrakhan Province

TOMATOES, CANNED

Preventing the separation of the crushed tomato pulp in collecting vessels. B. P. Bobrakov, M. A. Sirota. *Kons. i ov. prom.* 18 no. 4:15-16 Ap '63.

TOMILINO—RESTAURANTS, LUNCHROOMS, ETC.

High standards. Z. Kuprianova. *Sov. potreb. koop.* 7 no. 4:16 Ap '63.

TOMSK—AGRICULTURAL RESEARCH

Spring water. N. Golub. *Izobr. i rats.* no. 9:18 S '62.

TOMSK—COMMUNIST YOUTH LEAGUE

Outside onlookers are not wanted in the Communist Youth League. N. Liuk. *Komsom. zhizn'* no. 5:30-31 Mr '63.

TOMSK PROVINCE—AGRICULTURAL GEOGRAPHY

Distribution and specialization in the agriculture of Tomsk Province. M. N. Koshmanova. *Dokl. i soob. VNIISKH* no. 13:134-144 '62.

TOMSK PROVINCE—AGRICULTURE

Tomskaya gosudarstvennaya sel'skokhoziaistvennaya opyt'naya stantsiya, [Collection of research papers on agriculture] Sbornik nauchno-issledovatel'skikh rabot po sel'skomu khoziaistvu. Tomsk, Izd-vo Tomskogo univ., 1962. 89 p. (DNAL)

TONKIN, GULF OF—MARINE BIOLOGY

General characteristics of the quantitative distribution of plankton and benthos in the Gulf of Tonkin and the adjacent part of the South China Sea. N. A. Zarenkov, Vu Van Lieu, Nguyen Tien Kan. *Dokl. AN SSSR* 148 no. 6:1389-1391 F '63.

TONSILS—DISEASES

Dynamics of endohectosis in chronic tonsillitis before and after tonsillectomy. R. R. Feid'man. *Vop. pat. krovi i krovoobr.* no. 8:100-105 '61.

Focal infections, rheumatic carditis and tonsillitis. V. A. Val'dman. *Vop. pat. krovi i krovoobr.* no. 6:3-21 '61.

Glycogen of blood leucocytes in patients suffering from chronic tonsillitis and rheumatic fever [with summary in English]. R. A. Minchinn. *Vop. revm.* 1 no. 4:18-23 O-D '61.

Latent endohectosis in chronic tonsillitis. S. I. Lilenco. *Vop. pat. krovi i krovoobr.* no. 6:106-108 '61.

Metatonsillar diseases and the degree of bleeding during tonsillectomy [with summary in English]. V. O. Ermoleev. *Vest. otorin.* no. 4:71-75 '62.

Phlegmonous angina (acute phlegmonous tonsillitis) and peri- and paratonsillitis from the pathological and clinical viewpoints [with summary in English]. G. F. Nazarova. *Vest. otorin.* no. 4:75-83 '62.

Tactics in tonsillitis treatment. V. I. Volachek. *Vop. revm.* 1 no. 4:80-81 O-D '61.

TOOL STEEL—HARDENING

Developing dispersion hardening cutting alloys. N. A. Nesterov, IU. V. Ordina. *Izv. vys. ucheb. zav. i chern. met.* 6 no. 2:129-132 '63.

TOOL STEEL—HEAT TREATMENT

Secondary martensite transformation in the tempering of tool steels. V. A. Landa. *Metalloved. i term. obr. met.* no. 3:2-8 Mr '63.

TOOL STEEL—TESTING

Method of quantitatively evaluating the effect of chemical and heat treatment and the structure of steel on the sensitivity of sharp edges to chipping and crushing. N. S. Volkovskii. *Izv. vys. ucheb. zav. i chern. met.* 6 no. 2: 101-107 '63.

TOOLS

Mechanical hand. A. Abramov. *IUn. tekhn.* 7 no. 3:45 Mr '63.

TOPCHIEV, ALEKSANDR VASIL'EVICH, 1907-1962

Aleksandr Vasil'evich Topchiev. *Kin. i kat.* 4 no. 1:1-2 Ja-F '63.

TOPOGRAPHIC MAPS

Practice of conducting preliminary topographic and geographic investigations. A. S. Tolstoukhov. *Geod. i kart.* no. 2:49-53 F '63.

TOPOLOGY

Diffusion process with reflection and the problem involving an oblique derivative on a manifold with an edge [with summary in English]. M. I. Freidlin. *Teor. veroiat. i ee prim.* 8 no. 1:80-88 '63.

Essential and zero-dimensional mappings. A. Zaretskiy, IU. Smirnov. *Dokl. AN SSSR* 148 no. 5:1017-1019 F '63.

Irresolvable measures in dynamic systems. M. I. Grabar'. *Dokl. AN SSSR* 148 no. 5:1009-1012 F '63.

$L(p_1, p_2, \dots, p_n)$ classes and an imbedding theorem for abstract functions of sets. A. Kh. Gudiev. *Dokl. AN SSSR* 149 no. 2:241-244 Mr '63.

The law of large numbers for $D[0, 1]$ -valued random variables [in English]. R. Ranga Rao. *Teor. veroiat. i ee prim.* 8 no. 1:75-80 '63.

Measures in C^* -topological and topological spaces. Khu Go-din [Hu Kuo-ting]. *Mat. sbor.* 60 no. 3:257-269 Mr '63.

Semigroups of partial endomorphisms of a set with a relation. L. M. Popova. *Sib. mat. zhur.* 4 no. 2:309-317 Mr-Apr '63.

Summation of the iterations of linear operators. A. A. Melentsov, E. B. Murashev. *Izv. AN Arm. SSR. Ser. fiz.-mat. nauk* 16 no. 1:3-12 '63.

A theorem of Liouville concerning integrable dynamic problems. V. I. Arnold. *Sib. mat. zhur.* 4 no. 2:471-474 Mr-Apr '63.

Vietoris-Begle theorem. E. G. Skliarenko. *Dokl. AN SSSR* 149 no. 2:264-267 Mr '63.

TORNADOES

Mischievous tornadoes. A. Marchenko. *Nauka i rel.* 4 no. 3:13-15 Mr '63.

TORONTO—ECONOMIC CONDITIONS

In Toronto. Oleg Feofanov. *Nov. vrem.* 20 no. 14:29-31 Ap '63.

TORQUE

Torque measurement on propeller shafts during ship trials. A. B. Khalik, E. P. Shtump. *Sudostroenie* 29 no. 1:69-72 Ja '63.

TORSION

Torsion of a round shaft provided with a longitudinal semicircular groove and weakened by a longitudinal circular cavity. L. V. Mikhailov. *Izv. AN Arm. SSR. Ser. fiz.-mat. nauk* 16 no. 1:33-43 '63.

Torsion of a shaft of rectangular cross section weakened by two like longitudinal circular cavities. L. V. Mikhailov. *Izv. AN Arm. SSR. Ser. fiz.-mat. nauk* 16 no. 1:45-53 '63.

TORSKOYE REGION—STONE AGE

Neolithic settlement near the Torskoye village on the Dnieper. E. K. Chernyakh. *Krat. soob. Inst. arkheol.* no. 92:83-86 '62.

TORTS

The problem of fault and chance in torts. *Sov. gos. i pravo* 33 no. 4:138-143 Ap '63.

TOUCH

From the pages of the press. *Sov. Soluz* no. 4:10 '63. Seeing fingertips. I. Goldberg. *Sov. Soluz* no. 2:28 '63.

TOURISM see subdivision under Sakhalin

TOURIST CAMPS, HOTELS, ETC.

"Sputnik," a camp for young tourists. V. Chastnykh. *Kul't. i zhizn'* 6 no. 9:37-39 '62.

TOWERS, PLATE see Plate towers

TOXICOLOGY—ABSTRACTS

[Pharmacology, Toxicology] Ref. zhur.: Farm. Toks. nos. 4, 6-7 F-Apr '63.

TOXINS AND ANTITOXINS

Morphological manifestations of typhus intoxication in white rats. L. S. Bibinova, F. I. Krasnik, T. N. Khavlin. *Trudy Len. inst. epid. i mikrobiol.* 23:96-109 '62.

TOXOPLASMOSES

Conditions for the transmission of *Toxoplasma gondii* from mother to fetus. V. I. Verulashvili. *Dokl. AN SSSR* 148 no. 4:998-1000 Ap '63.

TOY INDUSTRY see subdivision under Zagorak

TOY THEATERS

Theater visits Chukovskii. *Smena* 40 no. 4:26-28 F '63.

TOYS

Christmas tree and a little imagination. *Nauka i zhizn'* 20 no. 12:102-103 D '62.

TRACE ELEMENTS

(see also subdivision under Siberia; Volgograd Province)

Biological role of microelements. V. A. Kapitanchuk. Rad. shk. 41 no. 1:19-23 Ja '63.
Dobrolubskii, O. K. [Wonderful milligrams] Chudesnye milligrammy. [Moskva] Izd-vo "Molodaya gvardiya," 1962, 142 p.
(DNAL)

Trace elements in the experiments of Novopokrovskoye students. A. M. Nazarenko. Shkola i proizvod. 6 no. 11: 45-47 N '62.

TRACE ELEMENTS IN THE BODY

Effect of some microelements on the immunobiological reactivity indices of the organism. L. M. Alkhutova. Zdrav. Turk. 6 no. 6:3-7 N-D '62.

TRACTOR INDUSTRY

Basic tasks in the standardization of the design of articles manufactured by the tractor industry. M. P. Kushavin. Trakt. i sel'khoz. mash. 32 no. 12:14-15 D '62.

New technology for manufacturing ring-type forgings. A. T. Bundin. Trakt. i sel'khoz. mash. 33 no. 2:45-47 F '63.

Prospective types of tractors planned for production in 1965-1970. A. E. Izotov, I. I. Trepenkov. Trakt. i sel'khoz. mash. 32 no. 12:4-9 D '62.

Tractor and agricultural machinery manufacture in 1963. I. N. Etkov. Trakt. i sel'khoz. mash. 33 no. 1: 1-2 Ja '63.

TRACTOR INDUSTRY—ACCOUNTING see subdivision under Minsk

TRACTOR TRAINS—TESTING

Investigating traction properties of an operating tractor train with a booster drive of the semitrailer axle. S. S. Ermilov and others. Avi. prom. 28 no. 8:21-25 Ag '62.

TRACTORS

(see also subdivision under United States)

The D4K universal truck-tractor. A. I. Sharapova. Trakt. i sel'khoz. mash. 33 no. 1:45-46 Ja '63.

Erroneous and correct analysis of the effect of speed on the efficiency of a tractor. A. G. Solovuev. Trakt. i sel'khoz. mash. 33 no. 1:14-15 Ja '63.

From the editor's mail. Sel'khoz. mash. no. 8:44 '62.
"Kirovets," K. Cherevov. Ogonek 40 no. 50:2-3 D '62.

A new tractor built by the Omega Tractor Plant. P. Podkoryin. Trakt. i sel'khoz. mash. 33 no. 1:3-4 Ja '63.

Prevention of a tractor engine from overheating. E. Milovanov. Sel'khoz. mash. no. 8:27-28 '62.

Tractor mounted generator and saw. T. L. Ushko. Put' i put. khoz. 7 no. 4:39 '63.

Turning of a tractor with a hinged frame. V. M. Boklay. Trakt. i sel'khoz. mash. 33 no. 1:12-13 Ja '63.

Types of domestic tractors. G. V. Vedeniapin. Trakt. i sel'khoz. mash. 33 no. 2:19 F '63.

What a tractor for swamps should be like. V. G. Peskov. Trakt. i sel'khoz. mash. 33 no. 2:26 F '63.

TRACTORS—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref. zhur.; Trakt. i sel'khoz. mash. i orud. nos. 3-4 Mr.-Ap '63.

TRACTORS—BIBLIOGRAPHY see Bibliography—Tractors

TRACTORS—BRAKES

Experimental testing of the braking qualities of tractor trailers and trains. N. D. Stupa. Trakt. i sel'khoz. mash. 33 no. 2:15-16 F '63.

TRACTORS—DESIGN AND CONSTRUCTION

"Design and calculations of tractors" by I. B. Barskii. Reviewed by A. V. Vasil'ev, A. A. Kreiser, B. A. Liubimov. Trakt. i sel'khoz. mash. 33 no. 1:47-48 Ja '63.

TRACTORS—ENGINES

Duty of the engine of a wheeled tractor class 1, 4 t. V. V. Kapustina. Trakt. i sel'khoz. mash. 33 no. 2:19-20 F '63.

Increasing the duty of the D-60T engine to 75 horsepower. I. V. Vinogradov. Les. prom. 41 no. 1:32 Ja '63.

Investigating the operating process of an air-cooled tractor diesel engine. A. P. Mironov, V. P. Alfer'ev. Trakt. i sel'khoz. mash. 33 no. 2:1-4 F '63.

TRACTORS—FUEL SYSTEMS

Methods for installing fuel pumps. K. Achkasov, V. Mel'nikov, D. Grizoglavov. Sel'khoz. mash. no. 8:32-34 '62.

Replacement of a pump in an electric welding apparatus. F. Peters, T. Vansheid. Sel'khoz. mash. no. 8:28-29 '62.
Substituting plastic materials for copper in making low pressure fuel pipes. A. P. Begidzhanova and others. Trakt. i sel'khoz. mash. 33 no. 2:43-44 F '63.

TRACTORS—HYDRAULIC EQUIPMENT

Foaming of oil in the hydraulic system of a tractor. T. Zhotkevich. Sel'khoz. mash. no. 8:35-37 '62.

TRACTORS—MAINTENANCE AND REPAIR

(see also subdivision under Omsk Province)

D'omn, A. I., and I. P. Pylypenko. [Classes in fitting and repairing; tractor repair] Uroki z slusarno-remonnoi spravy; remont traktora. Za red. K. I. Shvetsova. Kyiv, Radians'ka shkola, 1962, 74 p.

Five years without a general overhaul. V. Dubinin. Sel'khoz. mash. no. 8:15-16 '62.

Pozdnev, M. L. [Using plastic and synthetic materials for repairing timber skidding tractors and logging motor vehicles] Primenenie plasticheskikh mass i sinteticheskikh materialov pri remonte trelevochnykh traktorov i lesovoznykh avtomobilei. Moskva, Goslesbuntizdat, 1962, 122 p.

TRACTORS—TESTING

Results of testing friction members of tractors on the TIS-1 stand. A. P. Begidzhanova, G. M. Kharach, S. N. Popov. Trakt. i sel'khoz. mash. 33 no. 1:7-11 Ja '63.

TRACTORS—TRANSMISSION DEVICES

Automatic interlock of the differential gear of a wheeled tractor. L. I. Bulankov. Trakt. i sel'khoz. mash. 32 no. 12:16-17 D '62.

Field investigation of stresses in the transmission of the DT-75 tractor. G. I. Skundin, A. P. Dobrokhlebov, K. G. Morozov. Trakt. i sel'khoz. mash. 33 no. 2:11-15 F '63.

Investigating the loads originated in the transmission of tractors during starting. D. I. Gromov. Trakt. i sel'khoz. mash. 33 no. 2:8-11 F '63.

Self-releasing clutch couplings of tractor gearboxes. I. I. Drong, S. M. Belov. Trakt. i sel'khoz. mash. 32 no. 12:9-14 D '62.

TRADE UNIONS

(see also subdivision under Argentina; Asia; Azerbaijan; European Economic Community Countries; Germany, East; Italy; Paris; Spain)

Alekseev, G. P., and E. A. Ivanov. [Trade unions during the period of the large-scale building of communism] Profsoyuz v period razvernutoy stroitel'stva kommunizma. [Moskva.] Profizdat, 1962, 274 p.

The battle assignments of the trade unions in communist construction. A. Gubina. Klub 12 no. 3:5-6 Mr '63.

Decisions of the 26th Session of the Executive Committee of the World Federation of Trade Unions. Vsem. prof. dvizh. no. 3:4 Mr '63.

In anticipation of the 13th Congress of Soviet Trade Unions. V. Grishin. Vsem. prof. dvizh. no. 3:5-9 Mr '63.

In the All-Union Council of the Volunteer Sports Society of Trade Unions. Teor. i prakt. fiz. kul't. 26 no. 2:78-79 F '63.

[Large-scale production at enterprises of the building materials industry and the construction industry] Proizvodstvenno-massovaya rabota na predpriyatiakh stroitel'nykh materialov i stroit'el'stva. [Moskva] Profizdat, 1962, 108 p.

The Leninist school of administration and management. A. Blatin. Polit. samooobr. 7 no. 2:53-59 F '63.

Life, work and education. Sov. profsoyuzy 19 no. 6:1-2 Mr '63.
Nikitinski, V. I., and A. I. Stavitska. [Rights of the factory, plant and local trade-union committee] Kakimi pravami pol'zuiutsia FZMK. [Moskva] Profizdat, 1962, 190 p.

Plenum of the Central Committee of the Trade Union of Employees of Government Institutions. Den. i kred. 21 no. 3:93-95 Mr '63.

Preliminary statistical records of trade-union organizations, 1939-1954. A. R. Dzenishevich. Trudy LOIU AN SSSR no. 5:609-616 '63.

Trade union said, no! Pavel Arkad'ev. Sov. Soizuz no. 4: 38-39 '63.

TRADE UNIONS—CONGRESSES

The eleventh plenum of the All-Union Council of Trade Unions. NTO 5 no. 2:1 F '63.

Greeting the Congress of Trade Unions. Klub 12 no. 3: 4 Mr '63.

The unity of agricultural workers is strengthening. Sergei Egorazdov. Vsem. prof. dvizh. no. 3:33-36 Mr '63.

TRADE UNIONS—FINANCE

Borisov, V. P., and V. V. Khanykov. [Budget of the factory and plant trade-union committee] Budzhet fabrichno-zavodskogo komiteta. [Moskva] Profizdat, 1961, 78 p. (Biblioteka profsoyuznogo aktivista, no. 15)

TRADES see Occupations

TRAIN FERRIES

Trains sail across the sea. G. Koposov. Ogonek 41 no. 3:8 Ja '63.

TRAINING OF ANIMALS see Animals, Training of

TRAINING OF EMPLOYEES see Employees, Training of

TRAJECTORIES

Analytic properties of Regge pole trajectories [with summary in English]. I. A. I. Azimov, A. A. Ansel'm, V. M. Shekhter. Zhur. eksp. i teor. fiz. 44 no. 3:1078-1082 Mr '63.

TRANSBAIKALIA—GEOLOGICAL TIME

Age groups of intrusive rocks in Transbaikalia and eastern Mongolia based on geological data and the results of absolute age determination. V. A. Bobrov and others. Sov. geol. 6 no. 3:94-112 Mr '63.

TRANSBAIKALIA—SCIENTIFIC EXPEDITIONS

Along the path of Joseph Martin. M. Zaplatin. Vokrug sveta no. 2:47-48 F '63.

TRANSBAIKALIA—SOILS

Mountain taiga soils in Transbaikalia [with summary in English]. K. A. Ufimtseva. Pochvovedenie no. 3:51-61 Mr '63.

TRANSCARPATIA—ATHEISM—STUDY AND TEACHING

Propaganda should be easily understandable and persuasive. V. Shamova'kyi. Volov. natsi 3 no. 3:17-22 Mr '63.

TRANSCARPATIA—COMMUNIST YOUTH LEAGUE

Vologochuk, M. Yu. [Today's student is tomorrow's propagandist] S'godni shkolach - zavtra propagandyst. Kyiv, Molod', 1962, 28 p. (Biblioteka komunisticheskogo propagandysta)

TRANSCARPATIA—HISTORY—SOURCES

"The path of the October Revolution: how Transcarpathian workers struggled for their social and national liberation and the reunification of Transcarpathia with the Soviet Ukraine, 1924-1929", Vol. 2. Reviewed by S. M. Pruntyala, O. M. Khilant. Ukr. ist. zhur. 6 no. 1:150-151 Ja-F '63.

TRANSCARPATIA—JEHOVAH'S WITNESSES

Whom do they serve? Mikh. Khomonsko. Volov. natsi 3 no. 3:20-29 Mr '63.

TRANSCARPATIA—ROCKS, IGNEOUS

Two-stage structure of the Vygorlat-Gutin volcanogenic ridge (Transcarpathia). E. F. Malcev. Dokl. AN SSSR 148 no. 5:1175-1178 F '63.

TRANSCENDENTAL FUNCTIONS see Functions, Transcendental

TRANSDUCERS

Ferroelectric transducers. M. M. Nekrasov, I. M. Poplavko. Avtom. i prib. no. 1:56-62 Ja-Mr '63.

Gorashchenko, O. A., and V. G. Fedorov. [Heat flow transducers] Datchik teplovogo potoka. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-50-60/0)

Goncharenko, L. A. [Electronic acceleration transducers] Elektronnye datchiki uskoreniya. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 27 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31. No. P-50-60/10)

Naumovets, A. S. [Air humidity transducer with a handily sensitive membrane] Datchik vlazhnosti vozdukh s vlagochuvstvitel'noi plonko. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No. P-57-13/3)

TRANSFORMATIONS (MATHEMATICS)

Homomorphisms of a semigroup of all almost identical transformations. E. G. Shulov. Izv. vys. ucheb. zov. i mat. no. 2:176-180 '63.

Qualitative description of a strong resonance in a nonlinear system. V. K. Mel'nikov. Dokl. AN SSSR 148 no. 6:1257-1260 F '63.

Representation of semigroups by means of binary relations. B. M. Shain. Mat. sbor. 60 no. 3:293-303 Mr '63.

TRANSISTOR AMPLIFIERS

Low-frequency transistor amplifiers with direct coupling between the stages and d. c. feedback. V. I. Anisimov. Radiotekhnika 18 no. 3:65-71 Mr '63.

TRANSISTOR CIRCUITS

Solov'ev, I. I., and A. M. Fedoseev, eds. [Use of transistors in relay protection and system automation] Primenenie poluprovodnikov v ustroystvakh rel'eynoi zashchity i sistemnoi avtomatiki. [Ily] M. N. Vostroknutov i dr. Moskva, Vysshaya shkola, 1962, 282 p.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTOR RADIOS

Automatic frequency control circuit for FM transistor radios (from "Funkshau," no. 21 1962). Radio no. 4: 60 Ap '63.

TRANSISTORS

Attachment to an oscilloscope for observing transistor characteristics (from "Electronics World," May 1962). Radio no. 4:60 Ap '63.

Contribution to the theory of electron-hole junctions. I. U. F. Sokolov. Radiotekh. i elektron. 8 no. 3:471-476 Mr '63.

[Electron-hole junctions in semiconductors] Elektronno-dyrochnye perekhody v poluprovodnikakh. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962, 320 p.

TRANSISTORS (Continued)

- Frequency characteristics of transistors. E. Karaev, A. Moshkov. Radio no. 12:44-45 D '62.
- Kriuchkova, L. A. [Wrapping and packaging of vacuum and transistor devices] Tara i upakovka elektrovakuumnykh i poluprovodnikovyykh priborov. Leningrad, 1962. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Seriya: Tara i upakovka)
- Multistable transistor flip-flop. A. I. Besspal'chik. Avtom. i prib. no. 1:70-72 Ja-Mr '63.
- Nikolaevskii, I. F., ed. [Transistors and semiconductor diodes] *Tranzistory i poluprovodnikovye diody*. Moskva, Svyaz'izdat, 1963. 646 p.
- P20 and P21 switch-type transistors. N. N. Pavlov. Avtom. i prib. no. 1:35-36 Ja-Mr '63.
- Selecting the load factor and calculating thermal conditions for power transistors by means of a nomogram. A. M. Karapetian. Avtom. i prib. no. 1:80-90 Ja-Mr '63.
- Simple device for β measurement of powerful transistors. IUN, tekhn. 7 no. 3:46-47 Mr '63.
- Transistor devices with many applications. I. A. Fedotov. Radio no. 12:38-43 D '62.

TRANSISTORS—TESTING

- A device for testing transistor diodes (from "Radio-Electronic," no. 7 1962). Radio no. 12:55 D '62.

TRANSITION METAL COMPOUNDS

- Effect of the ligand field on the redox properties of transition metal compounds. K. B. Iatsimirskii. Zhur. neorg. khim. 8 no. 4:876-881 Ap '63.

TRANSITION METALS

- Stability of the complex compounds of transition metals. E. A. Shugam. Dokl. AN SSSR 149 no. 2:348-350 Mr '63.

TRANSITION METALS—ELECTRIC PROPERTIES

- Electric and thermoelectric properties of the silicides of certain transition metals. V. S. Neshpor, G. V. Samsonov. Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. dolo no. 1:147-151 Ja-F '63.

TRANSPLANTATION OF ORGANS, TISSUES, ETC.

- Griashka's two hearts. G. Kazarnovskaya. Sov. Soluz no. 12:30-31 '62.
- Late observations of contour facial plastic surgery with "frozen homografts." E. A. Aleksandrova. Probl. stom. 6:342-349 '62.
- What is it? A breakthrough at the front of biological incompatibility? S. Gushchev. Tekhn. mol. 31 no. 1: 32-24 '63.

TRANSPORTATION

- (see also subdivision under Archangel; Leningrad)
- Graphs and transportation problems. Khoang Tui. Sib. mat. zhur. 4 no. 2:426-445 Mr-Apr '63.
- The most important, the main thing. Transp. stroi. 13 no. 2:1-3 F '63.
- Works of the economists of the German Democratic Republic on the problems of transportation economics. S. Shlikhter. Vop. ekon. no. 3:115-117 Mr '63.

TRANSPORTATION—ABSTRACTS

- [Container shipments and the interaction of various types of transportation] Ref. zhur.; Vzatmodels. raz. vid. transp. i kont. perov. no. 4 Ap '63.
- [Industrial transportation] Ref. zhur.; Prom. transp. no. 3-4 Mr-Apr '63. Avtorskii ukazatel' za '62 g.

TRANSPORTATION—CONGRESSES

- New rolling stock for urban transportation. K. Klepotov. Zhil.-kom. khoz. 13 no. 1:20-30 '63.

TRANSPORTATION—TIMETABLES see subdivision under Kishinev

TRANSPORTATION, AUTOMOTIVE

- Sat down and started but... V. Ponomarev. Ogonek 40 no. 48:25 N '62.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

- [Automotive and city transportation] Ref. zhur.; Avt. i gor. transp. no. 4 Ap '63. Avtorskii ukazatel' za '62 g.

TRANSPORTATION, AUTOMOTIVE—FREIGHT see subdivision under Rostov Province

TRAVELING-WAVE TUBES

- Calculation of the trajectories of electrons in an electron gun at the input of a traveling-wave tube. A. L. Igritskii. Radiotekh. i elektron. 8 no. 3:440-452 Mr '63.
- Commutation methods for multiplying the frequency of a traveling-wave. S. M. Egudov. Radiotekhnika 18 no. 3: 17-22 Mr '63.

TRAWLS AND TRAWLING

- (see also subdivision under Sakhalin)
- Apparatus for controlling the fill-up of trawl with fish. N. V. Verzhinskii and others. Sbor. izobr. v ryb. prom. za 1959 g. 123-27.
- Automatic stopper of the otter board. I. U. B. Baranov. Sbor. izobr. v ryb. prom. za 1959 g. 119-23.
- Automatic unit for shackling and letting go the otter board. A. E. Kornilov. Sbor. izobr. v ryb. prom. za 1959 g. 115-18.

- Determining the comparative catching capacity of trawls of various designs. L. I. Denisov. Ryb. khoz. 39 no. 3: 43-48 '63.

- Equipment for lowering and hoisting otter boards and trawls on fishing trawlers. A. R. Fuzelinikov. Sbor. izobr. v ryb. prom. za 1959 g. 113-14.

- Hydraulic unit for trawling mollusks. G. N. Likhota, S. N. Grigor'ev. Sbor. izobr. v ryb. prom. za 1959 g. : 27-28.

- Propulsive and traction characteristics of a medium-size refrigerator-trawler of the "Okean" type. G. D. Alekseev. Ryb. khoz. 39 no. 3:23-30 '63.

- Spreading otter board. I. R. Matrosov. Sbor. izobr. v ryb. prom. za 1959 g. 112-13.

TREES

- (see also subdivision under Kondara Gorge)

- Shchepot'ev, F. L., and F. A. Pavlenko. [Fast growing trees] *Bystrorastushchie drovesnye porody*. Moskva, Sel'khozizdat, 1962. 372 p. (DNAL)

TREES—DISEASES AND PESTS see subdivision under Khoper Preserve

TREES—PHYSIOLOGY see subdivision under Soviet Far East

TREES—WATER REQUIREMENTS see subdivision under Kondara Gorge

TREES, FOSSIL

- From works on the deformation of wood and coal found in archaeological excavations. N. G. Blokhina, G. N. Lelitsyna. Krat. soob. Inst. arkheol. no. 62:100-102 '62.

TREES IN WINTER

- Water exchange in apple trees in winter as related to the characteristics of their temperature conditions. I. N. Kotovich. Sbor. trud. po agron. flz. no. 10:33-41 '62.

TRENCH DIGGING MACHINES

- The TKU-0, 9 universal trench digger. V. F. Kireev. Trakt. i sel'khoz. mash. 33 no. 1:34-35 Ja '63.

TRENCH FEVER

- Two cases of five-day fever in the absence of carriers. F. I. Krasnik, I. P. Filatov. Trudy Len. inst. opt. i mikrobiol. 23:121-126 '61.

TRIALS (DIVORCE)

- Belenchuk, I. A. [If you care for people; a judge's story] *Takshcho ty ne baiduzhyi; rozpovid' sudii*. Kyiv, Vyd-vo "Molod", 1962. 48 p.

TRIALS (FRAUD) see subdivision under Hamburg

TRIANGULATION

- Modified means of measuring horizontal angles in triangulation. I. M. Konopali'tsev, I. V. Belousov, R. P. Kashimirova. Geod. i kart. no. 2:19-29 F '63.
- Reference computations for preparing information for an electronic computer. I. U. A. Degtiarev. Geod. i kart. no. 2:37-39 F '63.

TRIAZINE

- New synthesis of dyes of the triazine series. Part I: Vat dyes. V. A. Tilkov, I. D. Plotnev. Zhur. ob. khim. 33 no. 3:963-966 Mr '63.

TRICHOMONIASIS

- Treatment for Trichomonas invasion in men. L. G. Bogacheva. Trudy Kish. gos. med. inst. 13:145-148 '60.

TRICKS

- Other side of tricks. A. Akopian. IUN, tekhn. 7 no. 3:70 Mr '63.

TRIGEMINAL NERVE—DISEASES

- Course of neurodystrophic processes in the parodontium with varying reactivity of the organism. E. D. Bromberg. Probl. stom. 6:3-10 '62.

TRILOBITES

- Ivshin, N. K. [Upper Cambrian trilobites of Kazakhstan] *Verkhnnekambriiskie trilobity Kazakhstana*. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR.
- Pt. 2. [Society horizon of the Kuyandy stage in central Kazakhstan] *Seletinskii gorizont kulandinskogo iarusu Tsentral'nogo Kazakhstana*, 1962. 363 p.

TRIM (OF SHIPS)

- Correction table for deadweights determined by the cargo scale with considerable trim. V. Kostenich. Mor. flot 23 no. 3:25-26 Mr '63.

TRIOSES

- Methods of quantitative assay of trioses and glycerol in cultures of micro-organisms [with summary in English]. V. G. Plakunova. Mikrobiologiya 31 no. 6:1094-1097 N-D '62.

TRITYL GROUP

- Addition of triphenyl radicals to 1,3-enyne tin hydrocarbons. V. S. Zavgorodnii, A. A. Petrov. Dokl. AN SSSR 149 no. 4:846-848 Ap '63.

TROITSE-SERGIEVA MONASTERY

- Cadastral records of the landed estates of the Troitse-Sergieva Monastery, 1557-1559. I. U. G. Alekseev. Trudy LOI AN SSSR no. 5:500-541 '63.

TROITSKO-PECHORSK DISTRICT—MOOSE

- Characteristics of the formation of the placenta in moose (*Alces alces*) [with summary in English]. K. M. Kurmosov. Zool. zhur. 42 no. 2:282-288 '63.

TROLLEY BUSES

- The trolley bus goes outside of the city. M. Aksenov. Zhil.-kom. khoz. 13 no. 3:20-21 Mr '63.

TROLLEY BUSES—MAINTENANCE AND REPAIR

- "Operation and repair of trolley-bus rolling stock" by V. A. Popov and others. Reviewed by I. Efremov. Zhil.-kom. khoz. 13 no. 3:28-29 Mr '63.

TROUT see subdivision under Black Sea; Sevan, Lake

TRUCK DRIVERS see subdivision under Orenburg Province

TRUCK TRAILERS

- Look out, a truck! I. Gliadishkin. Znamie-sila 38 no. 1:2 of cover Ja '63.
- The PSTM-2, 0 orchard tractor semitrailer. B. I. Odel'miv. Trakt. i sel'khoz. mash. 33 no. 1:32 Ja '63.
- Semitrailers with controlled wheels. Stroi. i arkhit. Len. 24 no. 1:39 Ja '62.

TRUCK TRAILERS—BRAKES

- Experimental testing of the braking qualities of tractor trailers and trains. N. D. Stupa. Trakt. i sel'khoz. mash. 33 no. 2:15-18 F '63.

TRUNOVA, MARIA DMITRIEVNA

- Dubrovskii, I. I. [Maria Dmitrievna Trunova. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 28 p. (Masterska agitatsionno-propagandistskoi raboty)

TRUSSES

- Block segmented prestressed concrete trusses lacking struts and with a span of up to 36 m. R. A. Gershanok, V. N. Prokhorov, B. A. Lushchik. Prom. stroi. 40 [i. e. 41] no. 4:17-24 Ap '63.
- Keramzlit concrete truss. D. Akridin, A. Kuznetsov. Na stroi. Ros. 4 no. 1:28-29 Ja '63.
- Strengthening steel trusses. I. Dobrykin, B. Simonovskaya. Prom. stroi. i inzh. soor. 4 no. 1:27-28 Ja-F '63.

TRUSSES—TRANSPORTATION

- Transportation by rail of reinforced concrete trusses with a span of 24 m. I. F. Lapchenkov, V. I. Panasenko. Prom. stroi. 41 no. 2:61-62 F '63.

TSELINNYI KRAY see Virgin Territory

TSELINOGRAD—CITY PLANNING

- The capital of the Virgin Territory. Stroi. i arkhit. Len. 25 no. 3:35 Mr '63.

TSELINOGRAD PROVINCE—BAKERIES

- Problem of a pretzel. A. Adolin. Koop. Kazakh. 5 no. 1:40-41 Ja '63.

TSELINOGRAD PROVINCE—RETAIL TRADE

- Partisans of the new and lovers of the old. I. Fogel' and others. Koop. Kazakh. 5 no. 1:24-26 Ja '63.

TSMILYANSK DISTRICT—PUBLIC HEALTH

- Inspector of many facets. N. Nikolaev. Zdorov'e 9 no. 2:23 F '63.

TSMILYANSK RESERVOIR—PIKE

- Available size of victims of a pike. L. N. Domanevskii. Biol. inst. biol. vodokhran. no. 12:50-53 '62.

TSMILYANSK RESERVOIR—STURGEONS

- Sterlet in Tsimlyansk Reservoir. L. N. Domanevskii. Ryb. khoz. 30 no. 3:13-14 '63.

TSINTSADZE, SH. R.

- In memory of Sh. R. Tsintsadze. F. V. Chirikov. Pochvovedenie no. 3:122-123 Mr '63.

TSOLKOVSKII, KONSTANTIN EDUARDOVICH, 1857-1935

- In a Kaluga astronaut's house. A. Kostin. Av. i kosm. 45 no. 4:19-21 Ap '63.
- "Tsolkovskii" by M. Arfazorov. Reviewed by L. Vladimirov. Znan.-sila 38 no. 2:22 F '63.

TSKHALTUBO—HEALTH RESORTS, WATERING PLACES, ETC.

- Tskhaltubo, G. V. [The Tskhaltubo Health Resort and its therapeutic properties] *Kurort Tskhaltubo i ego lechebnye svoystva*. Tbilisi, Gos. izd-vo "Sakhota Sakartvelo", 1962. 361 p.

TUARKYR REGION—AMMONOXIDEA

- Amannilazov, Kurban. [Stratigraphy and ammonites of Upper Jurassic sediments in the Tuarkyr region] *Stratigrafiya i ammonity verkhneiurskikh otlozhenii Tuarkyry*. Pod red. G. I. A. Krymgor'tsa. Ashkhabad, Izd-vo Akad. nauk Turkmennoi SSR, 1962. 109 p. xxviii plates.

TUBERCULIN

The most effective manifestation of clinical reactions to intracutaneous injection of tuberculin in sick cattle. *Visnyi sil'hosp.nauky* 6 no.2:116-117 F '63.

TUBERCULOSIS

(see also subdivision under Estonia)

Blood serum proteins in pulmonary tuberculosis. E.N. Kurianova-Ianchenko. *Vop.pat.krovi i krovoobr.* no.6:174-181 '61.

Course of pulmonary tuberculosis following an abortion at different periods of pregnancy. N.M. Deviatov. *Trudy Kish.gos.med.inst.* 13:178-182 '60.

Thermographic observations in pulmonary tuberculosis. E.N. Kurianova-Ianchenko. *Vop.pat.krovi i krovoobr.* no.6:182-185 '61.

TUBERCULOSIS—PREVENTION

(see also subdivision under Moscow)

Prevention of tuberculosis at the present stage. D.D. Aseev, N.S. Al'tshuler. *Zdrav.Ros.Feder.* 7 no.3: 15-18 Mr '63.

TUBERCULOSIS IN ANIMALS

The most effective manifestation of clinical reactions to intracutaneous injection of tuberculin in sick cattle. *Vlasyi sil'hosp.nauky* 6 no.2:116-117 F '63.

TUDOR, STEPAN, 1892-1941

On the biography of S. Tudor. I.V. Pukha. *Rad.Ist.* 7 no.1:129 Ja-F '63.

Trudyuk, S.M. [Works of Stepan Tudor] Tvorchist' Stepana Tudora. Kyiv, Vyd-vo AN URSR, 1963. 173 p.

TUGBOATS

Tugboat will not sink. S. Lyzlov. *Izobr.i rate.* no.7:10 Ji '62.

TUKHACHEVSKII, MIKHAIL NIKOLAEVICH, 1893-1937

Noble name. N. Koritski. *Voen.znan.* 30 no.2:14 F '63.

TULA—CONSTRUCTION INDUSTRY

The National Economic Council should be the only customer for dwellings. N. Sobolev. *Na stroi. Ros.* 4 no.1:8 Ja '63.

TULA PROVINCE—CHEMICAL INDUSTRIES

Efficient use of capital investments. I.A. Chukseev. *Na stroi. Ros.* 4 no.1:3-6 Ja '63.

TUNDRA see subdivision under Kola Peninsula

TUNGOR, LAKE—OIL FIELDS

Solution of the Tungor riddle. Tamara Ilatovskaya. *Smena* 40 no.3:2 of cover, 1-5 F '63.

TUNGSTATES

Thermographic investigation of the systems consisting of potassium tetramolybdate - potassium carbonate and potassium tetratungstate - potassium carbonate. M.V. Mokhosoev, I.M. Kuleshov, P.I. Fedorov. *Zhur.neorg.khim.* 7 no.7:1628-1631 Ji '62.

TUNGSTEN

Effect of tungsten on the properties and phase constitution of Ti-Al and BT3-1 alloys. O.P. Solonina, V.P. Kurava. *Metalloved.i term.obr.met.* no.2:50-52 F '63.

Excitation function of the (γ, p) reaction on tungsten [with summary in English]. V.G. Shevchenko, B.A. Iur'ev, B.P. Levkin. *Zhur.eksp.i teor.fiz.* 44 no.3:808-809 Mr '63.

TUNGSTEN—ELECTROMETALLURGY

New types of reduction furnaces for the production of hard alloys [with summary in English]. V.N. Melnikov. *Porosh.met.* 3 no.1:93-103 Ja-F '63.

TUNGSTEN CARBIDES

Thermodynamics of the reaction of formation of tungsten carbides. V.I. Alekseev, L.A. Shvartsman. *Izv.AN SSSR. Otd.tekh.nauk. Met.i gor.delo* no.1:91-96 Ja-F '63.

TUNGSTEN COMPOUNDS

Study of the complex formation of tungsten (VI) with organic dibasic acids by the kinetic method. K.B. Iatsimirskii, K.E. Prik. *Zhur.neorg.khim.* 7 no.7:1589-1594 Ji '62.

TUNGSTEN-IRON ALLOYS see Iron-tungsten alloys

TUNGSTIC ACID

Telluro-12-tungstic heteropoly acid. E.Sh. Ganelina. *Zhur.neorg.khim.* 7 no.7:1570-1576 Ji '62.

TUNGUSES

An Evenki went to a hunt... G. Kozlov, V. Peskov. *Ogonek* 41 no.10:30-32 Mr '63.

TUNGUSIC LANGUAGES—TRANSLITERATION

Novikova, K.A. [Draft of a unified phonetic transcription for Tungusic-Manchu languages] Proekt ednoi foneticheskoi transkriptsi dlia tunguso-man'chzhurskikh yazikov. Moskva, [in-t lazkozanania Akad. nauk SSSR] 1960. 83 p. (in U)

TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

TUNNEL DIODES

Graphical analysis of the stability of systems with negative resistance. M.E. Gertsenshtein, N.V. Timonova. *Radiotekh.i elektron.* 8 no.3:510-513 Mr '63.

Rzhevkin, K.S. [Tunnel diode] Tunnel'nyi diod. Moskva, Gosenergoizdat, 1962. 23 p. (Massovaya radiobiblioteka, no.452)

TUNNEL LINING

Erecting the lining using precast, dismantlable formwork. A.N. Chupin. *Transp.stroi.* 13 no.2:22-23 F '63.

TUNNELING

(see also subdivision under India; Moscow)

New formula for determining the leak of air from a horizontal caisson. I.S. Nikol'skii. *Osn., fund.i mekh. grun.* 5 no.2:21-24 '63.

Using a bunker train in tunneling. B.P. Zakharov, V.N. Iurkov, V.N. Belashov. *Shakht.stroi.* 7 no.4:23-25 Ap '63.

TUNNELING—EQUIPMENT AND SUPPLIES

New tunnel excavator (from "Mine and Quarry Engineering," no.11, 1962). A.F. Kovalev, G.F. Linnik, A.S. Belash. *Shakht.stroi.* 7 no.4:20 Ap '63.

TURBELLARIA see subdivision under Barents Sea

TURBINES

Aerodynamic studies of a turbine stage with relatively short blades and variable modes of operation. I.O. Virozub and others. *Zbir.prats' Inst.tepl.AN URSR* no.24:91-97 '62.

Choice of the type of terminal fixings for the working blades of turbines designed to operate at high temperatures. Ch.G. Mustafin. *Energomashinoostroenie* 9 no.2:43-46 F '63.

Concerning means for controlling the profile of large blades. B.E. Kostich. *Energomashinoostroenie* 9 no.2:27-29 F '63.

Derivation and registration of the temperature of cold welded joints of rotating thermocouples. M.O. Mininlenko. *Zbir.prats' Inst.tepl.AN URSR* no.24:124-127 '62.

Power losses in an actual turbine nozzle cascade. I.L. Myronenko. *Zbir.prats' Inst.tepl.AN URSR* no.24: 105-110 '62.

Some results of the study of a circular lattice. I.O. Virozub and others. *Zbir.prats' Inst.tepl.AN URSR* no.24:86-90 '62.

Twentieth anniversary of the power machinery construction faculty of the Moscow Power Engineering Institute of the Order of Lenin. A.P. Kovalev. *Energomashinoostroenie* 9 no.2:42 F '63.

TURBINES—COOLING

Improvement of the operation of turbine oil cooling systems. G.D. Bukhman. *Energetik* 11 no.2:0-10 F '63.

TURBOGENERATORS

Brevity of the ceiling potential and automatic excitation regulation system of large turbogenerators. N.A. Poliak. *Elek.sta.* 34 no.3:69-76 Mr '63.

Experimental dynamic characteristics of a turbogenerator with intermediate steam superheating. G.I. Kuz'min. *Teplotengetika* 10 no.4:14-17 Ap '63.

Operation of hydrogenerators with partial excitation. R.P. Smirnov, T.R. Mavlianov. *Elek.sta.* 34 no.3: 47-49 Mr '63.

TURBOGENERATORS—CONGRESSES

An all-Union conference on problems concerning the use of large turbogenerators. N.M. Volkov. *Energetik* 10 no.6:38-39 Je '62.

TURBOMACHINES

Increase in the operational reliability of PT-35-30E and PT-35-30M feed pumps manufactured by the Kaluga Turbine Factory. V.V. Bal'va. *Energetik* 11 no.4: 13-15 Ap '63.

TURGENEV, IVAN SERGEEVICH, 1816-1883

Something new on Turgenev. Leonid Khinkulov. *Sov. Ukr.* 12 no.11:182-185 N '62.

TURIN—EXHIBITIONS

Impressions of an eyewitness. A.A. Belova. *Zdrav.Ros. Feder.* 7 no.3:44-46 Mr '63.

TURKESTAN—SOLDIERS

Turkestan soldiers. *Uzbekiston* 22 no.2:5 F '63.

TURKESTAN RANGE—PETROLOGY

Petrology of the Sarkent syenite massif (Turkestan Range). M. Chokaraev. *Izv.AN Kir.SSR. Ser.est.i tekhnauk* 4 no.7:63-74 '62.

TURKEY—ARMENIANS

Genocide of the Armenians in the Ottoman Empire and the responsibility of imperialist Germany [in Armenian with summary in Russian]. S.M. Akopian. *Ist.-filol. zhur.* no.1:53-66 '63.

TURKEY—COMMERCE—RUSSIA

Development of Soviet-Turkish trade. V. Andreev. *Nov.vrem.* 20 no.14:25 Ap '63.

TURKEY—CONSTITUTION

New Turkish Constitution. V.D. Logunov. *Sov.gos.i pravo* 33 no.4:133-137 Ap '63.

TURKEY—DESCRIPTION AND TRAVEL

Gordlevskii, V.A. [Selected works] Izbrannye sochineniia. Moskva, Izd-vo vostochnoi lit-ry. Vol.3. [History and culture] Istoriia i kul'tura. 1962. 587 p.

Rags and rockets. Sv. Ivanov. *Ukraina* no.2:8-8 Ja '63.

TURKEY—HISTORY

Elementary and general secondary education in Turkey after the Second World War. A.Z. Trofimov. *Krat.soob. Inst.nar. Az.* no.60:116-118 '62.

Liberation movement of the Turkish people against the French occupation forces in southern Anatolia from 1919 to 1921. N.Z. Efendieva. *Krat.soob. Inst.nar. Az.* no.60:119-134 '62.

TURKEY—INVESTMENTS, FOREIGN

Foreign monopolies in Turkey. *Mezhdunar. zhizn'* 10 no.4:150-152 Ap '63.

TURKEYS

Help turkeys! G. Vladimirova. *Ogonek* 40 no.50:4-5 D '62.

TURKISH LANGUAGE—GRAMMAR

Some word combinations of the type "noun + verb" in the Turkish language. R.R. Ushipava. *Krat.soob. Inst.nar. Az.* no.60:103-115 '62.

TURKISH LANGUAGE—LEXICOGRAPHY

Lexical-grammatical nature of Turkish compound verbs and principles of blending them into dictionaries. R.A. Aganin. *Krat.soob. Inst.nar. Az.* no.60:64-77 '62.

TURKISH LANGUAGE—PHONETICS

"Phonetics of the Turkish language" [in Turkish] by Tahsin Hanguoglu. Reviewed by L.N. Starostov. *Krat.soob. Inst.nar. Az.* no.60:82-102 '62.

TURKISH LANGUAGE—VERB

How many meanings does the Turkish verb "keşmek" have? K.M. Lichimov. *Krat.soob. Inst.nar. Az.* no.60:78-81 '62.

Lexical-grammatical nature of Turkish compound verbs and principles of blending them into dictionaries. R.A. Aganin. *Krat.soob. Inst.nar. Az.* no.60:64-77 '62.

TURKISH PERIODICALS

The periodical "Servet-i fenn" and works of Tevfik Fikret in 1896-1901. F.A. Salimzhanova. *Krat.soob. Inst.nar. Az.* no.60:35-47 '62.

TURKISH POETRY—HISTORY AND CRITICISM

Some impressions of Turkish poetry. L.O. Al'kneva. *Krat.soob. Inst.nar. Az.* no.60:16-34 '62.

TURKISH STUDIES

Gordlovskii, V.A. [Selected works] Izbrannye sochineniia. Moskva, Izd-vo vostochnoi lit-ry. Vol.3. [History and culture] Istoriia i kul'tura. 1962. 587 p.

TURKMENISTAN—ANTIQUITIES

Masson, V.M. [Ancient farmers in South Turkmenistan. A concise guide to the monuments of ancient agriculture] Drevnie zemledel'tsy na Ugo Turkmenistana. Kraikii putevoditel' po pamiatnikam drevnezemledel'cheskoi kul'tury. Ashkhabad, Turkmensoke gos. izd-vo, 1959. 38 p.

TURKMENISTAN—CHILDREN—HOSPITALS

Polyclinical service must be improved for the republic's children. P.I. Katulin. *Zdrav.Turk.* 2 no.6:3-7 N-D '58.

TURKMENISTAN—CRANIOLOGY

Craniological materials from the medieval sepulchers of southern and northwestern Turkmenia. N.G. Zaikind, S.P. Poliakov. *Vop.antr.* no.11:133-143 '62.

TURKMENISTAN—DIPHTHERIA

Measures for decreasing diphtheria incidence in Turkmenistan. E.IA. Gieberman, M.I. Bogdanovich, V.P. Gushchina. *Zdrav.Turk.* 2 no.6:36-37 N-D '58.

TURKMENISTAN—ELECTRIC PROSPECTING

Use of long-period variations in a field of telluric currents to study the geology of central Turkmenia. G.N. Antshchenko, V.V. Golubkov. *Razved.i prom. geofiz.* no.46:45-48 '62.

TURKMENISTAN—INTESTINES—DISEASES

Control of intestinal infections in the Turkmen S.S.R. E.S. Popova. *Zdrav.Turk.* 6 no.6:37-39 N-D '62.

TURKMENISTAN—LONGEVITY

Some data on longevity in Turkmenistan. N.N. Sactuk. *Zdrav.Turk.* 7 no.1:30-33 Ja '63.

TURKMENISTAN—OSTRACODA, FOSSIL

[Ostracoda of Pliocene and Post-Pliocene sediments in Turkmenistan] Ostrakody plio-tsennykh i postplio-tsennykh otlozhenii Turkmenistana; spravochnik, [By] M. I. Mandel'shtam i dr. Ashkhabad, Izd-vo Akad. nauk Turkmen'skoi SSR, 1962. 287 p. plates.

TURKMENISTAN—POLITICS AND GOVERNMENT

Turkmen S.S.R. Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the Turkmen S.S.R., seventh session, May 15-16, 1962; verbatim report] Zasedaniia Verkhovnogo Soveta Turkmen'skoi SSR, piatogo sozyva, sed'maia sessiia (15-16 maia 1962 goda); stenograficheski otchet. Ashgabat, Turkmenistan dorlozhishlraty, 1962. 259 p. (Parallel texts in Turkmen and Russian)

TURKMENISTAN—PUBLIC HEALTH

Brief news and information. Zdrav. Turk. 2 no. 6:42-46 N-D '62.

TURKMENISTAN—RAILROADS—SANITATION

From a railroad conference. I. Kalininskii. Sov. Kras. krest. 12 no. 5:14 S-O '62.

TURKMENISTAN—REVOLUTION, 1917-1921

Brief news. Vop. ist. KPSS 7 no. 3:157-158 Mr '63.

TURKS—SOCIAL LIFE AND CUSTOMS see subdivision under Bulgaria

TURNING

Effect of structural components of a lathe and cutting conditions on the precision of shape and roughness of machined surface in fine turning. B. A. Gladkov, M. E. Ukhvld, V. M. Larionova. Stan. i instr. 34 no. 4:7-11 Ap '63.

Effect of the gyroscopic effect on the precision of machining on lathes. K. S. Kolev. Vest. mashinost. 43 no. 2:59-61 F '63.

Korytuy, D. M. [Mechanization and automation of machining on lathes] Mekhanizatsiia i avtomatizatsiia rabot na tokarnykh stankakh. Moskva, Proftekhizdat, 1962. 161 p.

Mitrofanov, S. P., and N. G. Gulner. [Turrot lathes and their efficient use] Revol'vornyie stanki i ikh ratsional'noe ispol'zovanie. Moskva, Mashgiz, 1962. 349 p.

Shilnikov, N. I. [Laboratory work on lathes] Laboratornye raboty po tokarnomu delu. Moskva, Proftekhizdat, 1962. 127 p. (Obmen opytom raboty)

Using the method of face turning for determining the comparative machinability of cast irons. L. A. Brakhman. Avi. prom. 28 no. 8:38-39 Ag '62.

TUVA A. S. S. R.—SOILS

Nosin, V. A. [Soils of Tuva] Pochvy Tuvy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 341 p.

TUWM, JULIAN, 1894-1953

Zhivov, M. S. [Julian Tuwm; an account of his life and work] Iulian Tuvim; ocherk zhizni i tvorchestva. Moskva, Gos. izd-vo det'skoi lit-ry, 1960. 134 p. (MIDW)

TUZYMAZY REGION—OIL WELL DRILLING

Striving for 39,000 meters a year. V. A. Trofimov. Neftianik 7 no. 7:9-10 Ji '62.

TUZYMAZY REGION—OIL WELL PUMPS

Pay greater attention to screw pumps. N. G. Valoev. Neftianik 7 no. 7:16 Ji '62.

TVERSKOI, PAVEL NIKOLAEVICH, 1892-1962

Pavel Nikolaevich Tverskoi; an obituary. B. V. Kirilukhin, V. A. Solov'ev. Meteor. i gidrol. no. 3:61-63 Mr '63.

TWILIGHT

Nature of twilight phenomena and their use in atmospheric research. G. V. Rozenberg. Usp. fiz. nauk 70 no. 3: 441-522 Mr '63.

TWIST DRILLS

Drill for deep drilling of calendar shafts. M. N. Slasnik. Mashinostroitel' no. 2:21 F '63.

TYASMIN VALLEY—COINS, ROMAN

Hidden treasure of Roman coins from the Tyasmin Basin. P. O. Karyshkovskii. Num. i epig. 3:136-140 '62.

TYCHYNA, PAVLO HRYHOROVYCH, 1891-

Darka, Vasy! [A rural Orpheus or the poetry of "Sunny clarehels"] Khilborobskiy Orfel, abo klarnetyzm. Munich, 1961. 87 p. (Biblioteka "Suchasnosty," no. 2)

Poet of an epoch. N. Ravliuk. Sov. Ukr. 13 no. 1:169-175 Ja '63.

TYMPANAL ORGAN—DISEASES

Acutely developing adhesive process in the tympanic cavity after a pressure chamber examination. I. A. Golubchik. Vest. otorin. no. 4:103 '62.

TYMPANAL ORGAN—SURGERY

Anesthesia in operations on the stapes [with summary in English]. A. G. Likhachev, N. A. Preobrazhenskii, I. E. Riman. Vest. otorin. no. 4:43-50 '62.

Endaural tympanoplasty in chronic suppurative otitis media. F. V. Kastorskii. Vest. otorin. no. 4:53-57 '62.

Results of free and fixed tympanoplasty after the type III of Wullstein with a columella effect [with summary in English]. N. V. Mishen'kin. Vest. otorin. no. 4:50-53 '62.

TYPHOID FEVER

Comparative effectiveness of different methods of treatment of typhoid and paratyphoid diseases. K. T. Tishchenko. Trudy Kish. gos. med. inst. 13:93-98 '60.

TYPHUS FEVER

(see also subdivision under Leningrad)

Characteristics of serological reactions in current forms of typhus. F. I. Krasnik. Trudy Len. inst. epid. i mikrobiol. 23:41-47 '61.

Cutaneous allergic test in the study of the immunological structure of rural population with respect to typhus fever. D. A. Gvozdirova. Trudy Len. inst. epid. i mikrobiol. 23:25-31 '61.

Cutaneous allergic test with an antigen from Rickettsia prowazekii in typhus fever patients. D. A. Gvozdirova. Trudy Len. inst. epid. i mikrobiol. 23:15-24 '61.

Duration of the survival of Rickettsia prowazekii following the recovery from typhus fever; experimental studies. F. I. Krasnik. Trudy Len. inst. epid. i mikrobiol. 23:58-67 '61.

Epidemiology of typhus in the light of the study of the immunological structure of the population with respect to this infection. K. N. Tokarevich. Trudy Len. inst. epid. i mikrobiol. 23:5-14 '61.

Experience in detecting typhus antibodies in sera of people by the method of fluorescence microscopy; studies by the use of fluorescent antibodies. R. B. Gol'din, F. I. Krasnik. Trudy Len. inst. epid. i mikrobiol. 23:68-79 '61.

Morphological manifestations of typhus intoxication in white rats. L. S. Blinnova, F. I. Krasnik, T. N. Khavlin. Trudy Len. inst. epid. i mikrobiol. 23:98-109 '61.

Serological reactions in experimental typhus. F. I. Krasnik. Trudy Len. inst. epid. i mikrobiol. 23:48-57 '61.

Study of the immunological structure of rural population with respect to typhus fever by the use of complement fixation reaction. Kan Shu-tsin [K'ang Shu-ch'ing]. Trudy Len. inst. epid. i mikrobiol. 23:32-40 '61.

TYUMEN PROVINCE—CULTURE

Dmitriev, S. D. [From one congress to another; figures and facts on the development of the economy and culture in Tyumen' Province] Ot s'ezda k s'ezdu; tsifry i fakty o razviti ekonomiki i kul'tury Tiimenskoi oblasti. [Tyumen'] Tiimenskoe knizhnoe izd-vo, 1961. 54 p. (Biblioteka propagandista i agitatora)

[MICROFILM]

TYUMEN PROVINCE—ECONOMIC CONDITIONS

Dmitriev, S. D. [From one congress to another; figures and facts on the development of the economy and culture in Tyumen' Province] Ot s'ezda k s'ezdu; tsifry i fakty o razviti ekonomiki i kul'tury Tiimenskoi oblasti. [Tyumen'] Tiimenskoe knizhnoe izd-vo, 1961. 54 p. (Biblioteka propagandista i agitatora)

[MICROFILM]

UCH-KURGAN HYDROELECTRIC POWER STATION

Hydraulic turbines of the Uch-Kurgan Hydroelectric Power Station. I. I. Shiro. Energomaashinostroenie 9 no. 2:1-4 F '63.

UCHA RESERVOIR—FRESHWATER BIOLOGY

Moscow, Universitet. Biologo-pochvennyi fakul'tet. [Ucha and Mozhnyak Reservoirs; hydrobiological and ichthyological studies] Uchinskoe i Mozhniskoe vodokhranilishe; gidrobiologicheskie i ikhtologicheskie issledovaniia. [Moskva] Izd-vo Mosk. univ., 1963. 422 p.

UDDER

Development and secreting activities of the mammary gland during a cow's pregnancy. A. A. Tureva'kyi. Vsiy skil'hosp. nauky 6 no. 2:107-108 F '63.

UDMURT A. S. S. R.—CONSTRUCTION INDUSTRY

Introduce engineering designs to villages. S. Efremov. Zhil.-koin. khoz. 13 no. 3:6-7 Mr '63.

UFA GOVERNMENT—FAMINES

Don't let a child's life fade away. N. Krupakina. Sov. pedagog. 27 no. 2:128-131 F '63.

UGANDA

Uganda. IU. V. Lukonin. Sov. etn. no. 1:112-117 Ja-F '63.

UKHTA (KOMI A. S. S. R.)—DESCRIPTION

Minus 45 degrees. Aleksandr Rekonchuk. Ogonek 41 no. 7:12-15 F '63.

UKRAINE—ACORNS

Expendency of two-year's preservation of acorns. I. S. Lotots'kyi. Vsiy skil'hosp. nauky 6 no. 2:102-104 F '63.

UKRAINE—ADMINISTRATIVE AND POLITICAL DIVISIONS

Consolidated economic regions of the Ukrainian S. S. R. I. Kuhukalo, A. Sych. Ekon. Rad. Ukr. no. 1:61-69 Ja-F '63.

UKRAINE—AGRICULTURAL ADMINISTRATION

Role of 36 thousand collective farm envoys in the development of agriculture. V. P. Plisiuk, IE. P. Talan. Ukr. ist. zhur. 6 no. 1:48-54 Ja-F '63.

Work with people should be in the foreground. N. Viornushin. Part. zhizn' no. 7:38-43 Ap '63.

UKRAINE—AGRICULTURE

Further increase in the production of agricultural products is the most important objective in the work of production administrations. L. Andriienko. Ekon. Rad. Ukr. no. 1:18-25 Ja-F '63.

Improving the distribution of agricultural production in the Ukraine. A. Fedun. Ekon. Rad. Ukr. no. 1:82-98 Ja-F '63.

UKRAINE—AGRICULTURE—LABOR PRODUCTIVITY

[The honor of a Soviet worker] Chest' radians'koho trudynika; zbirnyk materialiv i statel. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962. 88 p.

UKRAINE—AGRICULTURE—STUDY AND TEACHING

Let's inculcate love for the noble occupation of agricultural workers. K. A. Kolosova. Rad. shk. 41 no. 1:5-11 Ja '63.

Organization and methods of work training in rural schools. I. H. Tkachenko. Rad. shk. 41 no. 1:12-19 Ja '63.

UKRAINE—AGRICULTURE, COOPERATIVE

Akademii nauk URSR. Instytut istorii. [The history of agricultural collectivization in the Ukrainian S. S. R., 1917-1937] Istoriia kolektyvizatsii sil'skoho hospodarstva Ukrain's'koi RSR, 1917-1937 rr.; zbirnyk dokumentiv i materialiv u trokh tomakh. Kyiv, Vyd-vo Akad. nauk URSR.

Vol. I. [Development of collective farms in the Ukraine, 1917-1927] Kolhospane budivnytstvo na Ukraini, 1917-1927 rr. 1962. 848 p.

UKRAINE—ARCHITECTURE, MODERN

Akademii budivnytstva i arkhitektury URSR. Instytut teorii i istorii arkhitektury i budivelnoi tekhniki. [Essays on the history of the architecture of the Ukrainian S. S. R.; the Soviet period] Narysy istorii arkhitektury Ukrain's'koi RSR; Radians'kii period. Kyiv, Derzh. vyd-vo lit-ry z budivnytstva i arkhitektury URSR, 1962. 350 p.

UKRAINE—ARMENIANS

"Armenian colonies in the Ukraine in historical sources and literature, from the 15th to the 19th century" by IA. R. Dashkevich. Reviewed by V. Grabovetskii, IA. Iasnovich. Ist.-filol. zhur. no. 1:253-258 '63.

UKRAINE—ATHEISM—STUDY AND TEACHING

"Against darkness and obscurantism" by M. S. Demchenko. Reviewed by M. Sapin. Volov. atelst 3 no. 3:62 Mr '63.

Books and knowledge helped them. V. Svilenko. Volov. atelst 3 no. 3:24-25 Mr '63.

UKRAINE—AUDIO-VISUAL EDUCATION

In reply to our articles. Sred. spets. obr. 10 no. 2:57 F '63.

UKRAINE—BOARDING SCHOOLS

Students today and masters of the land tomorrow. IE. O. Sveshnykova, V. A. Khomenko. Rad. shk. 41 no. 2: 98-100 F '63.

UKRAINE—BOOKSELLERS AND BOOKSELLING

What the survey revealed in the Ukraine. I. Rakhman. Sov. knizh. torg. 14 no. 3:17-18 Mr '63.

What the Ukrainian bookmen are working on. N. Guteran. Sov. knizh. torg. 14 no. 2:34-35 F '63.

UKRAINE—CATTLE—FEEDING AND FEEDS

Feeding corn cobs. II. Z. Hruzman. Vsiy skil'hosp. nauky 6 no. 2:104-107 F '63.

Investigation results and recommendations for the use of synthetic urea in stockbreeding. S. Z. Hzhys'kyi. Vsiy skil'hosp. nauky 6 no. 2:65-71 F '63.

UKRAINE—CHERNOZEM SOILS

Use of phosphobacterin in the Chernozem zone. IU. K. Kudzin, I. V. Aroshevich. Mikrobiologiya 31 no. 6: 1088-1101 N-D '62.

UKRAINE—CHILDREN—CARE AND HYGIENE

We should take care of personnel. M. Bublova, Doshk. vykh. 24 no. 2:17-18 F '63.

UKRAINE—CITY PLANNING

Problems of city planning in the Ukraine. I. Mezentsav. Stroi i arkhlt. 10 no. 7:2-4 Ji '62.

UKRAINE—CIVIL LAW

Proposed civil and civil procedure codes of the Ukrainian S. S. R. E. Zgurskaia. Sots. zakon. 39 no. 10:34-38 O '62.

UKRAINE—CIVIL PROCEDURE

Proposed civil and civil procedure codes of the Ukrainian S.S.R. E. Zgurskaia. Sots. zakon. 39 no. 10:34-36 O '62.

UKRAINE—CLAY—BIBLIOGRAPHY

Vashchenko, Z. M. [Clays of the Ukrainian S.S.R., 1880-1960; a bibliographic index of literature] Hlyny Ukrainy'koi RSR, 1880-1960 rr.; bibliografichnyi pokazhchyk literatury. Kyiv, Vyd-vo Akad. nauk URSR, 1963, 197 p.

UKRAINE—COAL MINES AND MINING

Khotymchenko, M. M. [Technical progress, organization of production and labor in the coal industry of the Ukrainian S.S.R.] Tekhnichnyi progres, organizatsiia vyrobnytstva i pratsi u vuhil'ni promyslovosti URSR. Kyiv, Vyd-vo Akad. nauk URSR, 1962, 141 p.

Trofimov, V. P. [Ways of developing the coal industry of the Ukrainian S.S.R.] Shlakhty rozvytku vuhil'noi promyslovosti URSR. Kyiv, Derzh. vyd-vo tekhn. lit-ry URSR, 1963, 110 p.

UKRAINE—COKE OVENS—TESTING

Some technical and economic indices of the performance of coke ovens in the Ukraine. V. A. Leltes, I. F. Lozanov. Koks i khim. no. 3:28-32 '63.

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION

Growing number of rural party organizations in the Ukraine, 1956-1961. A. O. Ianuk. Ukr. ist. zhur. 6 no. 1:42-48 Ja-F '63.

Kulichenko, M. I. [Communist Party of the Ukraine in the struggle for the establishment of the U.S.S.R.] Komunistychna partiia Ukrainy v borot'bi za utvorennia SRSR. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1962, 188 p.

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

"Voluntary participation in party work; from the practice of party organizations in the Ukraine." Reviewed by G. I. Akovenko. Sov. Ukr. 13 no. 2:183-185 F '63.

UKRAINE—COMMUNIST YOUTH LEAGUE

Interpretation of the postwar achievements of young Ukrainian workers. A. V. Santsevych. Ukr. ist. zhur. 6 no. 1:118-124 Ja-F '63.

UKRAINE—CONSTITUTION

Ukraine. Constitution. [Constitution (fundamental law) of the Ukrainian Soviet Socialist Republic; with amendments adopted at the eighth session of the Fifth Supreme Soviet of the Ukrainian S.S.R.] Konstytutsiia (osnovnyi zakon) Ukrainy'koi Radians'koi Sotsialistychnoi Respubliky. Iz zmlnany i dopovneniamy, pryniaty na vos'mii sesii Verkhovnoi Rady Ukrainy'koi RSR p'iatoho sklykannia. Kyiv, Derzhpolityvydav URSR, 1963, 28 p.

UKRAINE—CONSTRUCTION INDUSTRY

The joy of creating. Stroil. i arkh. 10 no. 7:1 J1 '62.

UKRAINE—COOPERATIVE SOCIETIES—MANAGEMENT

Organizational work must be equal to the new tasks. N. Sal. Sov. potreb. koop. 7 no. 4:17-20 Ap '63.

UKRAINE—CORN (MAIZE)—FERTILIZERS AND MANURES

Effectiveness of placing fertilizers in rows at the time of corn planting. IE. A. Gorokovskiy. Vysnyk sil'hosp. nauky 6 no. 2:91-92 F '63.

UKRAINE—CRANES, DERRICKS, ETC.—SAFETY MEASURES

In the State Mine Inspection of the Ukrainian S.S.R. Bezop. truda v prom. 7 no. 3:39 Mr '63.

UKRAINE—DESMANS, FOSSIL

Akademiia nauk URSR, Kiev, Instytut zoologii. [Fossil fauna of the Ukraine and neighboring regions] Vykopni fauny Ukrainy i sumizhnykh terytorii. Kyiv, Vyd-vo Akad. nauk URSR, No. 1, 1962, 168 p.

UKRAINE—ECONOMIC CONDITIONS

"Ukrainian workers during the reconstruction of the Ukrainian national economy, 1921-1925" by G. D. Didenko. Reviewed by I. E. Vorozheikin. Vop. ist. 38 no. 3: 126-128 Mr '63.

UKRAINE—ECONOMIC POLICY

Main objectives of the plan for the economic development of the Republic in 1963. P. Rozenko. Ekon. Rad. Ukr. no. 1:11-17 Ja-F '63.

UKRAINE—EDUCATION, ELEMENTARY—CONGRESSES

Republic-wide conference on theory and practice. Ukr. mova v shkoll 13 no. 1:95-96, 3 of cover Ja-F '63.

UKRAINE—EDUCATION, HIGHER

"Institutions of higher learning of the Ukrainian S.S.R. in the period of their reconstruction" by V. Pitov. Reviewed by I. O. Kurnosov. Ukr. ist. zhur. 6 no. 1: 137-139 Ja-F '63.

Phlov, V. I. [Institutions of higher learning of the Ukrainian S.S.R. in the period of reorganization] Vysshnia shkola Ukrainy'koi SSR v period perestroiki. Kiev, Gospolitizdat URSR, 1962, 199 p.

UKRAINE—EDUCATION, PRESCHOOL

We should take care of personnel. M. Buhaiova. Doshk. vykh. 24 no. 2:17-18 F '63.

UKRAINE—EFFICIENCY, INDUSTRIAL

Interpretation of the postwar achievements of young Ukrainian workers. A. V. Santsevych. Ukr. ist. zhur. 6 no. 1:118-124 Ja-F '63.

UKRAINE—ELECTRIC LINES

Electric bridge. V. Ukrainy'kyi. Nauka i zhyttia 12 no. 1:44 Ja '63.

UKRAINE—FARM BUILDINGS—FIRES AND FIRE PREVENTION

Strengthen the fire protection of collective farms. I. Natal'chenko. Pozh. delo 9 no. 2:27 F '63.

UKRAINE—FERTILIZERS AND MANURES

Economic efficiency of fertilizers. S. Kryshchab. Ekon. Rad. Ukr. no. 1:50-54 Ja-F '63.

UKRAINE—FIELD CROPS

Mechanized cultivation of row crops at increased speeds. I. L. Chabanenko. Vysnyk sil'hosp. nauky 6 no. 2:10-16 F '63.

UKRAINE—FINANCE

Give proper attention to business accounting in a plant. P. Laban. Ekon. Rad. Ukr. no. 1:80-86 Ja-F '63.

UKRAINE—FOOD RESEARCH

Following the initiative of the workers of the Kolomna Diesel Locomotive Plant. P. Lysogor. NTO 5 no. 4: 47-40 Ap '63.

UKRAINE—FRUIT—DISEASES AND PESTS

New fungicides for controlling fruit diseases. Vysnyk sil'hosp. nauky 6 no. 2:110 F '63.

UKRAINE—GASTROENTERITIS

Clinical and pathomorphological changes in contagious gastroenteritis of swine. V. M. Zhurav'ov. Vysnyk sil'hosp. nauky 6 no. 2:110-112 F '63.

UKRAINE—GEESE

Characteristics of the incubation of goose eggs. A. U. Bykhovels'. Vysnyk sil'hosp. nauky 6 no. 2:78-82 F '63.

UKRAINE—GEOLOGY, STRUCTURAL

Division of the southern part of the Ukraine and the Kuban into tectonic districts based on geophysical data. V. B. Sollogub. Geofiz. sbor. no. 1:3-10 '62.

Study of tectonic disturbances using seismic methods. N. M. Timofeeva. Geofiz. sbor. no. 2:84-92 '62.

UKRAINE—GRAVITY ANOMALIES

Taking into account the effect of relief in gravimetric studies in the mountain regions. T. T. Sobnkar', T. S. Lebedev. Geofiz. sbor. no. 2:33-40 '62.

UKRAINE—HARES

Hare. V. Parkhomenko. Doshk. vykh. 24 no. 2:36 F '63.

UKRAINE—HARROWS

Improving the working parts of row weeding harrows. I. P. Zhukov. Vysnyk sil'hosp. nauky 6 no. 2:17-22 F '63.

UKRAINE—HISTORICAL RESEARCH

Defense of dissertations for the "Candidate of historical science" degree. L. M., M. K. Ukr. ist. zhur. 6 no. 1: 152-155 Ja-F '63.

UKRAINE—HISTORY

Ukrainian participation in the uprising of 1863-1864. V. U. Pavelko. Ukr. ist. zhur. 6 no. 1:34-41 Ja-F '63.

UKRAINE—HOLIDAYS

Spreading the knowledge of invaluable traditions among the people. S. Stupnits'kyi. Volov. atest 3 no. 3:33 Mr '63.

UKRAINE—HOTELS, TAVERNS, ETC.—DESIGN AND CONSTRUCTION

Rest hotels. L. Zhogol'. Stroil. i arkh. 11 no. 2:22-24 F '63.

UKRAINE—HYBRID CORN

Ways for improving the production of hybrid corn seeds. P. H. Kriachko. Vysnyk sil'hosp. nauky 6 no. 2:20-32 F '63.

UKRAINE—INDUSTRIES

Contribution of the Ukraine to the economic development of our country. Ukraina no. 2:1 Ja '63.

Interpretation of some problems in the history of socialist industrialization in the Ukraine. I. I. Kolomichenko. Ukr. ist. zhur. 6 no. 1:13-23 Ja-F '63.

UKRAINE—INSTRUMENT INDUSTRY

Objectives of the Ukrainian instrument industry during the fifth year of the seven-year plan. Avtom. i prib. no. 1:3 Ja-Mr '63.

UKRAINE—IRRIGATION

Characteristics of machine irrigation of soils from the point of view of land improvement. M. A. Kar'kach. Vysnyk sil'hosp. nauky 6 no. 2:23-27 F '63.

UKRAINE—KALUSSITE

[Kalussite, a new potassium fertilizer] Kalushyl - nove kaline dobrovo. [By] G. P. Aleksandrov ta inshi. Kyiv, Vyd-vo Akad. nauk URSR, 1962, 133 p.

UKRAINE—LABOR AND LABORING CLASSES

Session of the Committee for Studying the History of the Laboring Classes. IE. F. Bielna'kyi, V. S. Khmelivska. Ukr. ist. zhur. 6 no. 1:155-156 Ja-F '63.

"Ukrainian workers during the reconstruction of the national economy, 1921-1925" by G. D. Didenko. Reviewed by P. P. Bachyns'kyi, V. M. Samofalov. Ukr. ist. zhur. 6 no. 1:130-141 Ja-F '63.

"Ukrainian workers during the reconstruction of the Ukrainian national economy, 1921-1925" by G. D. Didenko. Reviewed by I. E. Vorozheikin. Vop. ist. 38 no. 3: 126-128 Mr '63.

UKRAINE—LABOR PRODUCTIVITY

Akademiia nauk URSR, Kiev, Instytut ekonomiky. [Labor productivity and potentials for increasing it in the industry of the Ukrainian S.S.R.] Proizvoditel'nost' truda i rezervy ee povysheniia v promyshlennosti Ukrainy'koi SSR. Kiev, Izd-vo Akad. nauk URSR, 1962, 302 p.

UKRAINE—LAND, NATIONALIZATION OF

Work of the All-Ukrainian Central Committee for the Nationalization of Land. O. V. Ivanova. Ukr. ist. zhur. 6 no. 1:72-76 Ja-F '63.

UKRAINE—LANDFORMS

Taking into account the effect of relief in gravimetric studies in the mountain regions. T. T. Sobnkar', T. S. Lebedev. Geofiz. sbor. no. 2:33-40 '62.

UKRAINE—LANGUAGES—STUDY AND TEACHING

On the way of reorganization. Rad. shk. 41 no. 1:60-63 Ja '63.

UKRAINE—LARCH—DISEASES AND PESTS

Susceptibility of larch to the root-rot fungus and its control. S. F. Nelrute'kyi. Vysnyk sil'hosp. nauky 6 no. 2:58-64 F '63.

UKRAINE—LIBRARIES AND READERS

"Against darkness and obscurantism" by M. S. Domchenko. Reviewed by M. Soplin. Volov. atest. 3 no. 3:52 Mr '63.

UKRAINE—MACHINERY INDUSTRY

Factory of factories. P. Ivanov. Nauka i zhyttia 12 no. 1:34-35 Ja '63.

UKRAINE—MAMMOTH

Akademiia nauk URSR, Kiev, Instytut zoologii. [Fossil fauna of the Ukraine and neighboring regions] Vykopni fauny Ukrainy i sumizhnykh terytorii. Kyiv, Vyd-vo Akad. nauk URSR, No. 1, 1962, 168 p.

UKRAINE—MAPS

"Atlas of the Ukrainian S.S.R. and the Moldavian S.S.R." Reviewed by H. Makarenko. Ekon. Rad. Ukr. no. 1:119-120 Ja-F '63.

UKRAINE—MILITARY EDUCATION

Efforts of the Ukrainian Communists to increase the military preparedness of the U.S.S.R., 1933-1937. IU. V. Babko. Ukr. ist. zhur. 6 no. 1:54-62 Ja-F '63.

UKRAINE—MINING ENGINEERING—LABOR PRODUCTIVITY

Toyslanovskii, D. P., P. G. Nesterov, and A. A. Voyk. [Labor productivity in Ukrainian mining enterprises] Proizvoditel'nost' truda na gornorudnykh predpriiakh Ukrainy. Kiev, Gostekhnizdat URSR, 1963, 225 p.

UKRAINE—MOLLUSKS, FOSSIL

Korobkov, I. A. [Mollusks of the Buchak and Kiev series of the southern Ukraine] Molluski buchakskoi i Kievskoi svit izhmoit Ukrainy. [Leningrad] Izd-vo Leningr. univ., 1962, 95 p.

UKRAINE—NAMES, GEOGRAPHICAL

Ancient names of Ukrainian rivers. V. P. Petrov. Ukr. mova v shkoll 13 no. 1:77-81 Ja-F '63.

Functions of the suffix "-ych-y" in Ukrainian toponyms of the 14th and 15th centuries. R. I. Kerata. Dosl. i nat. z ukr. movy 5:111-114 '62.

UKRAINE—NATIONAL PARKS AND RESERVES

Museum of nature. P. Bohdanov, H. Husyns'kyi. Nauka i zhyttia 12 no. 1:52-63 Ja '63.

UKRAINE—OAK

Characteristics of the growth of English oak in mixed stands. V. H. Zherebtsiov. Vysnyk sil'hosp. nauky 6 no. 2:100-102 F '63.

UKRAINE—PHARMACY

Development of pharmacy in the Ukraine. I. M. Hub's'kyi. Farmatsiv. zhur. 17 no. 4:37-41 '62.

UKRAINE—POLITICS AND GOVERNMENT

Kravets, I. [Nineteenth Congress of the Communist Party of the Ukraine] Dev'atnadsyatyi z'lyd KP Ukrainy. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1952, 114 p. (Z'lydy i konferentsii Komunistychnoi partii Ukrainy) (CST-II)

Mel'nychuk, Iu. S. [To serve the truth] Pravdy sluzhyty. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1952, 156 p.

UKRAINE—POTATOES—FERTILIZERS AND MANURES

Effectiveness of applying peat-ammonic fertilizers to potatoes. Sh.I. Lytvak. Visnyk sil'hosp.nauky 6 no.2:97-98 F '63.

UKRAINE—PRINTING INDUSTRY

Communist labor brigades in printing enterprises. V. Zasana'kyl. Ekon. Rad, Ukr. no.1:111-114 Ja-F '63.

UKRAINE—REED PRODUCTS

Over-all utilization of reeds. S. P. Foteev, K. I. Shumenko, E. I. A. Favor'skaya. Bunt. prom. 39 no.3:7-9 Mr '63.

UKRAINE—RELATIONS (GENERAL) WITH CZECH-OSLOVAKIA

Festive meetings in the borderland. I. Statyva. Ukraina no.2:5 Ja '63.

UKRAINE—RELATIONS (GENERAL) WITH RUSSIA

Second Conference of Ukrainian and Armenian Historians. V. R. Grigorian, I. A. R. Dashkevych. Ukr. ist. zhur. 6 no.1:158-159 Ja-F '63.

UKRAINE—REVOLUTION, 1917-1921

Communistization of Ukrainian factory and plant committees in 1917. P. V. Zamkovyi. Ukr. ist. zhur. 6 no.1:81-84 Ja-F '63.

Kulichenko, M. I. [Communist Party of the Ukraine in the struggle for the establishment of the U. S. S. R.] Komunistychna partiia Ukrainy v borot'bi za utvorennia SRSR. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1952, 188 p.

Second Congress of the Seventh Army of the Southwestern Front. P. M. Loladze-Sellvanov. Ukr. ist. zhur. 6 no.1:79-80 Ja-F '63.

UKRAINE—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Dubinskii, I. V. [Buglers sound the alert] Trubachi trubiat troyvogu. Moskva, Voenizdat, 1952, 308 p. (Voennye memuary)

UKRAINE—RICE

Economic efficiency and prospects for growing rice in the Ukraine. I. A. Lisova'kyl. Ekon. Rad, Ukr. no.1:45-49 Ja-F '63.

UKRAINE—RUSSIAN LANGUAGE—STUDY AND TEACHING

Parlovich, N. V., and T. E. Udod. [Collection of expository texts for grades 5-8 in Ukrainian schools] Shornik tekstov dlia izlozheni v V-VIII klassakh shkol s ukrainskimi jazykom obuchenia. Kiev, Radians'ka shkola, 1952, 223 p.

UKRAINE—SCHOOL EXCURSIONS

Field studies of the Ukrainian Pioneers and school children devoted to the 60th anniversary of the Second Congress of the Russian Social Democratic Party. A. I. Pishchansk'kyl. Ukr. ist. zhur. 6 no.1:159-160 Ja-F '63.

UKRAINE—SCLEROTINIA

Effectiveness of measures for controlling sunflower rot caused by Sclerotinia libertiana Fuck. A. I. Lukashkevych. Visnyk sil'hosp.nauky 6 no.2:95-97 F '63.

UKRAINE—SEED PRODUCTION

Ways for improving the production of hybrid corn seeds. P. H. Krachko. Visnyk sil'hosp.nauky 6 no.2:28-32 F '63.

UKRAINE—SEISMIC PROSPECTING

Study of tectonic disturbances using seismic methods. M. M. Timofeeva. Geofiz. sbor. no.2:84-82 '62.

UKRAINE—SERFDOM

"Abolition of serfdom in the Ukraine." Reviewed by L. V. Olshyn. Ukr. ist. zhur. 6 no.1:146-148 Ja-F '63.

UKRAINE—SHEEP—FEEDING AND FEEDS

Effect of the level of protein nutrition of French Merino ewes on the yield and quality of wool. M. D. Mesolov. Visnyk sil'hosp.nauky 6 no.2:72-77 F '63.

UKRAINE—SHOE INDUSTRY

For selection to meet demand. I. Khorol'skii. Sov. torg. 38 no.3:41-42 Mr '63.

UKRAINE—SLAVIC STUDIES

Fifth Republic Slavist Conference, O. V. Myshanych. Rad. lit. 7 no.1:148-149 Ja-F '63.

UKRAINE—STANDARDS, MILITARY

Military standards of the Cossack Army: the middle of the 17th century. I. A. S. Isaevych. Ukr. ist. zhur. 6 no.1:85-87 Ja-F '63.

UKRAINE—STRIKES AND LOCKOUTS

Shecherbina, I. T. [Ukrainian workers and their revolutionary struggle in 1914-1917] Robitnychi klas Ukrainy ta loho revoliutsiina borot'ba v 1914-1917 rokakh. Kyiv, Vyd-vo Akad. nauk URSR, 1953, 366 p.

UKRAINE—SUGAR BEETS

Effect of sowing rates on the yield of monospermous sugar beets. M. P. Shapoval. Visnyk sil'hosp.nauky 6 no.2:45-47 F '63.

Methods for mechanical formation of the optimal stand density of sugar beets. S. I. Kuz'mych. Visnyk sil'hosp.nauky 6 no.2:33-44 F '63.

UKRAINE—SUGAR BEETS—FERTILIZERS AND MANURES

Effectiveness of fertilizers as related to the method of spacing sugar beets. P. O. Lut. Visnyk sil'hosp.nauky 6 no.2:93-94 F '63.

UKRAINE—SUGAR INDUSTRY

Lips'kyl, V. M. [Development and distribution of the sugar industry in the Ukrainian S. S. R.] Rozvytok i rozmisleniia tsukrovoho vyrobnytstva Ukrain's'koi RSR. Kyiv, Vyd-vo Akad. nauk URSR, 1952, 121 p.

UKRAINE—SUNFLOWER SEED

Characteristics of the development of sunflower seeds and the formation of oil in them in the south of the Ukraine. Visnyk sil'hosp.nauky 6 no.2:48-54 F '63.

UKRAINE—SUNFLOWERS—DISEASES AND PESTS

Effectiveness of measures for controlling sunflower rot caused by Sclerotinia libertiana Fuck. A. I. Lukashkevych. Visnyk sil'hosp.nauky 6 no.2:85-97 F '63.

UKRAINE—SWINE

Age characteristics of metabolism in Berkshire and Mangalia swine. V. V. Barankhina. Visnyk sil'hosp.nauky 6 no.2:110-112 F '63.

UKRAINE—SWINE—DISEASES AND PESTS

Clinical and pathomorphological changes in contagious gastroenteritis of swine. V. M. Zhurav'ov. Visnyk sil'hosp.nauky 6 no.2:110-112 F '63.

Retention of calcium isotopes in the organism of healthy swine and in contagious atrophic rhinitis. H. D. Ivanova. Visnyk sil'hosp.nauky 6 no.2:114-116 F '63.

UKRAINE—SWINE—FEEDING AND FEEDS

[Fatten a hog on each hectare of arable land] Na kozhnyi hektar rilli vidhoduvaty svyniu. Kyiv, Derzhsil'hospvyday URSR, 1952, 40 p. (DNAL)

UKRAINE—TEACHERS

Exalted vocation. O. R. Bunolyk. Ukr. mova v shkoli 13 no.1:47-52 Ja-F '63.
High reward. B. Nudlin. Doshk. vykh. 24 no.2:21-22 F '63.
Teachers for the collective farm preschool institutions. V. Den'ha. Doshk. vykh. 24 no.2:18-19 F '63.
To learn, to teach and to create. R. Hrinchenko and others. Doshk. vykh. 24 no.2:16 F '63.

UKRAINE—TELECOMMUNICATION—EMPLOYEES

The communication workers of the Ukraine are capable of working harder and should do so. Vest. aviatsi 23 no.1:24-26 Ja '63.

UKRAINE—VARIETY STORES

Let's extend fuller credit for seasonal merchandise. N. Klepikov. Sov.torg. 36 no.3:15-16 Mr '63.

UKRAINE—VEGETABLE GARDENING

Ways for increasing the production of early vegetables. V. M. Iryzenkov. Visnyk sil'hosp.nauky 6 no.2:3-6 F '63.

UKRAINE—VIEWS

[Through Soviet Ukraine; photo report] Po rad, Ukr. no.2 '63.

UKRAINE—VITICULTURE

Effect of space arrangement on the development of the root system of Black Game grapevines. V. I. Habovuch. Visnyk sil'hosp.nauky 6 no.2:89-100 F '63.

UKRAINE—WEED CONTROL

Improving the working parts of row weeding harrows. I. P. Zhukov. Visnyk sil'hosp.nauky 6 no.2:17-22 F '63.

UKRAINE—WEEVILS

Distribution of weevils of the genus Aulon (Curculionidae) in the steppe of the eastern Ukraine [with summary in English]. V. S. Solodovnikova. Zool. zhur. 42 no.2:222-232 '63.

UKRAINE—WOOD-DECAYING FUNGI

Susceptibility of larch to the root-rot fungus and its control. S. F. Nehrut's'kyl. Visnyk sil'hosp.nauky 6 no.2:58-64 F '63.

UKRAINE—WORLD WAR, 1939-1945

"How the Communist Party organized nation-wide help in the reconstruction of the Soviet Ukrainian national economy during the Great Patriotic War" by N. A. Butsko. Reviewed by V. A. IEzhov. Ukr. ist. zhur. 6 no.1:136-137 Ja-F '63.

Liberation of the Soviet Ukraine from the occupation forces of the German fascists, January-February 1943. I. I. Slyn'ko. Ukr. ist. zhur. 6 no.1:105-110 Ja-F '63.

UKRAINE—WORLD WAR, 1939-1945—CAMPAIGNS

Military calendar. Voen. znani. 39 no.2:40 F '63

UKRAINE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

How the contacts of Ukrainian guerrillas with the home front regions of the U. S. S. R. were organized. Sh. IE. Reznikova. Ukr. ist. zhur. 6 no.1:68-72 Ja-F '63.

UKRAINE, WESTERN—ELECTRIC POWER PRODUCTION

Prospects for developing the West Ukrainian power system. H. Iaremchyshyn. Ekon. Rad, Ukr. no.1:70-74 Ja-F '63.

UKRAINE, WESTERN—LABOR AND LABORING CLASSES

"Condition and the struggle of the working masses in Galicia, Bukovina and Transcarpathia at the beginning of the 20th century" by I. I. Kompaniets'. Reviewed by V. Varet's'kyl, IE. Shablii. Ekon. Rad, Ukr. no.1:116-119 Ja-F '63.

UKRAINE, WESTERN—UKRAINIAN LANGUAGE—DIALECTS

Epenthetic sounds in Ukrainian dialects. I. A. V. Zakrev's'ka. Dosl. i mat. z ukr. movy 5:62-69 '62.

Forms of the demonstrative pronouns "tse", "ta", "to", "ty", "vi", "vo" in the western dialects of the Ukrainian S. S. R. M. M. Onyskevych. Dosl. i mat. z ukr. movy 5:126-134 '62.

Names for bats in the western dialects of the Ukrainian language. D. H. Bandriv's'kyl. Dosl. i mat. z ukr. movy 5:3-8 '62.

Reflexes of the old stressed "o" in newly closed syllables in western dialects of the Ukrainian language. P. I. Prystupa. Dosl. i mat. z ukr. movy 5:135-142 '62.

UKRAINIAN LANGUAGE

History of the standardization of the Ukrainian literary language. V. I. Karpova. Dosl. i mat. z ukr. movy 5:70-89 '62.

UKRAINIAN LANGUAGE—AUDIO-VISUAL AIDS

Lingualic games. T. IU. Horbuntsova. Ukr. mova v shkoli 13 no.1:50-63 Ja-F '63.

UKRAINIAN LANGUAGE—CHRESTOMATHIES AND READERS

Conference on the publication of the literary sources of the Ukrainian language. O. A. Rozzo. Ukr. ist. zhur. 6 no.1:157-158 Ja-F '63.

UKRAINIAN LANGUAGE—CONGRESSES

Conference on the publication of the literary sources of the Ukrainian language. Ukr. mova v shkoli 13 no.1:94 Ja-F '63.

UKRAINIAN LANGUAGE—DIALECTS see subdivision under Lvov Province; Ukraine, Western

UKRAINIAN LANGUAGE—ETYMOLOGY

Some problems in compiling an historical dictionary of the Ukrainian language. D. H. Buchko. Dosl. i mat. z ukr. movy 5:9-15 '62.

UKRAINIAN LANGUAGE—FOREIGN WORDS AND PHRASES—POLISH

Phonetic substitutes in Old Ukrainian loan words from the Polish language. L. L. Humets'ka. Dosl. i mat. z ukr. movy 5:53-61 '62.

UKRAINIAN LANGUAGE—GRAMMAR

Kucherenko, I. K. [Theoretical questions in the grammar of the Ukrainian language] Teoretychni pytannia gramatyky ukrains'koi movy. [Kyiv] Vyd-vo Kyiv's'kogo univ.

Vol. I. [Morphology] Morfologiya, 1951. (InU) (MH)

UKRAINIAN LANGUAGE—GRAMMAR, HISTORICAL [Historical grammar of the Ukrainian language]

Istoriychna gramatyka Ukrain's'koi movy; pidruchnyk dlia studentiv movno-literaturnykh fakul'tetiv pedagogichnykh instytutiv URSR. [By] O. P. Bozpa'ko ta Inshi. 2. vyd., vypravlene. Kyiv, Radians'ka shkola, 1952, 500 p.

UKRAINIAN LANGUAGE—MORPHOLOGY

Matvilas, I. H. [Course in the modern Ukrainian literary language; morphology] Kurs suchasnoi ukrains'koi literaturnoi movy; morfologiya. Poshyny dlia studentiv-zaochnykh pedagogichnykh instytutiv. Kyiv, Radians'ka shkola, 1952, 183 p.

- UKRAINIAN LANGUAGE—ORTHOGRAPHY**
 Dictation as one of the means to improve student literacy. F. Kukhars'kyi. Ukr. mova v shkoli 13 no. 1:38-42 Ja-F '63.
 Free elementary dictation before a picture. E. S. Sosynovych. Ukr. mova v shkoli 13 no. 1:33-37 Ja-F '63.
 Improving Ukrainian orthography. V. M. Rysaniv's'kyi. Ukr. mova v shkoli 13 no. 1:3-7 Ja-F '63.
- UKRAINIAN LANGUAGE—PARTICIPLE**
 Subordinate participle of an isolated syntactic construction. L. M. Kots'. Dosl. i mat. z ukr. movy 5:115-125 '62.
- UKRAINIAN LANGUAGE—PHONETICS**
 Epenthetic sounds in Ukrainian dialects. I. A. V. Zakrevs'ka. Dosl. i mat. z ukr. movy 5:62-69 '62.
 Phonetic substitutes in Old Ukrainian loan words from the Polish language. L. L. Humets'ka. Dosl. i mat. z ukr. movy 5:53-61 '62.
 Reflexes of the old stressed "o" in newly closed syllables in western dialects of the Ukrainian language. P. I. Prystupa. Dosl. i mat. z ukr. movy 5:135-142 '62.
- UKRAINIAN LANGUAGE—PRONOUN**
 Forms of the demonstrative pronouns "tsel", "tsia", "se", and "toi", "ta", "to" in the western dialects of the Ukrainian S. S. R. M. M. Onyshkevych. Dosl. i mat. z ukr. movy 5:126-134 '62.
- UKRAINIAN LANGUAGE—PUNCTUATION**
 Punctuation at the end of a sentence. M. N. Maidans'kyi. Ukr. mova v shkoli 13 no. 1:8-17 Ja-F '63.
- UKRAINIAN LANGUAGE—STUDY AND TEACHING**
 Editor's mail. H. P. Malynova's'ka, S. S. Mashko, D. P. Telius. Ukr. mova v shkoli 13 no. 1:81-83 Ja-F '63.
 Independent work of students. T. A. Bilychenko. Ukr. mova v shkoli 13 no. 1:42-46 Ja-F '63.
 Let's progress with more confidence along the path of the language study reorganization. O. M. Buliaev. Ukr. mova v shkoli 13 no. 1:64-70 Ja-F '63.
 Methods of stimulating language study. H. R. Peredril. Ukr. mova v shkoli 13 no. 1:28-33 Ja-F '63.
 Schools should have a fully adequate language textbook. A. I. Perepada. Ukr. mova v shkoli 13 no. 1:70-76 Ja-F '63.
 Study of the Ukrainian language in the elementary classes of schools with instruction in the Russian language. O. I. Zozul'. Ukr. mova v shkoli 13 no. 1:53-59 Ja-F '63.
- UKRAINIAN LANGUAGE—STYLE**
 "Essays on the general style of the present-day Ukrainian language" by L. H. Cherednychenko. Reviewed by M. A. Zheviobriukh, Z. T. Franko. Ukr. mova v shkoli 13 no. 1:84-88 Ja-F '63.
- UKRAINIAN LANGUAGE—SYNTAX**
 Subordinate participle of an isolated syntactic construction. L. M. Kots'. Dosl. i mat. z ukr. movy 5:115-125 '62.
- UKRAINIAN LANGUAGE—TERMS AND PHRASES**
 Administrative-judicial vocabulary in Ukrainian documents of the 14th and 15th centuries. D. H. Hrynychshyn. Dosl. i mat. z ukr. movy 5:31-52 '62.
- UKRAINIAN LANGUAGE—WORDS**
 Names for beta in the western dialects of the Ukrainian language. D. H. Handrivs'kyi. Dosl. i mat. z ukr. movy 5:3-8 '62.
 Names for landscapes in the language of Ukrainian documents of the 14th and 15th centuries. M. L. Khudash. Dosl. i mat. z ukr. movy 5:143-158 '62.
- UKRAINIAN LITERATURE—BIBLIOGRAPHY** see Bibliography—Ukrainian literature
- UKRAINIAN LITERATURE—HISTORY AND CRITICISM**
 Akademika nauk URSR. Kiev, Instytut literatury. [Problems of literature] Pytannia literatury; stat'ki. Kyiv, Vyd-vo Akad. nauk URSR, 1962, 205 p.
 Defending theses. Rad. lit. 7 no. 1:152-154 Ja-F '63.
 Exemplary themes of dissertations (to be continued). Rad. lit. 7 no. 1:156-158 Ja-F '63.
 "Formation and development of the Soviet Ukrainian sketch" by I. E. P. Bondar. Reviewed by V. P. Vlasenko. Rad. lit. 7 no. 1:132-133 Ja-F '63.
 In the higher educational institutions of the Ukraine. Rad. lit. 7 no. 1:150-151 Ja-F '63.
 Piv'uk, I. I. [Traditions of T. H. Shevchenko in Ukrainian literature; the prerevolutionary period] Traditsii T. H. Shevchenka v ukrains'kii literaturi; dozhovnyy period. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1963, 293 p.
 Sixteenth Academic Conference of Students in Lvov. V. H. Lotans'kyi. Rad. lit. 7 no. 1:152 Ja-F '63.
 "Truth and character" by M. Logvinenko. Reviewed by Iurii Burlisi. Sov. Ukr. 12 no. 12:178-181 D '62.
- UKRAINIAN POETRY—HISTORY AND CRITICISM**
 At a sharp turn. S. A. Kryzhaniv's'kyi. Rad. lit. 7 no. 1:3-16 Ja-F '63.
- ULANOVA, GALINA SERGEEVNA, 1910-**
 About an ordinary goddess. Albert Kahn. Ogonek 41 no. 5:25-29 Ja '63.
- UL'ANOVA, MARIA IL'INICHNA, 1878-1937**
 Loyal assistant of Il'ich. IU. Makhina. Ogonek 41 no. 9:6 F '63.
 Oldest worker for the party press. Sov. pech. no. 2:42 F '63.
- ULTRASONIC METAL-CUTTING**
 Using ultrasonic methods for cleaning piston rings of engines. A. P. Gindis. Vest. mashinostr. 43 no. 2:72-74 F '63.
 Zaslavskii, V. I., and others. [UZG-2 ultrasonic equipment for machining parts made of hard materials] Ul'trazvukovaya ustanovka UZG-2 dlia obrabotki detalей iz tverdykh materialov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 15 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 8. No. M-58-267/4)
- ULTRASONIC TESTING**
 Kordonakala, R. B., and R. P. Pavlov. [Ultrasonic testing of large cylindrical forgings with various metallurgical defects] Ul'trazvukovoi kontrol' krupnykh tsilindricheskikh pokovok s razlichnyimi metallurgicheskimi porokami. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958, 10 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 21. No. M-58-182/8)
- ULTRASONIC WAVES**
 Ultrasonic "projector." V. Bel'kovich, A. Iablokov. IUn. tekhn. 7 no. 3:76-77 Mr '63.
- ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS**
 Formation of structural components in aluminum alloys under the effect of ultrasonic waves. G. I. Eskin, I. N. Fridlander, M. K. Rubleva. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor. delo no. 1:109-112 Ja-F '63.
 Moscow, Institut narodnogo khoziaistva. [Using ultrasonic techniques for the formation of emulsions; practical work in physics] Poluchenie emul'sii pri pomoshchi ul'trazvuka; praktikum po fizike. Pod red. Shushpanova, P. I. Moskva, No. 28, 1962, 17 p. [MICROFILM]
 Ultrasonic waves in the production of new alloys. G. I. Pogodin-Alekseev. Lit. protzv. no. 5:28-30 My '62.
- ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS—BIBLIOGRAPHY** see Bibliography—Ultrasonic waves—industrial applications
- ULTRASONIC WAVES—THERAPEUTIC USE**
 Ultrasonic generator for medical purposes. L. I. Landt. Trudy Kish. gos. med. inst. 13:37-40 '60.
- ULTRAVIOLET RAYS—INDUSTRIAL APPLICATIONS**
 Ultraviolet rays for the sanitation of commercial premises. G. Kolykov. Sov. torg. 36 no. 3:28-29 Mr '63.
- ULTRAVIOLET RAYS—MEASUREMENT**
 Il'ianok, V. A., and M. V. Sokolov. [UF-1 meter, a device for measuring ultraviolet irradiation] Ul'traviolet UF-1-pribor dlia izmereniia ul'travioletovoi obshchenosti. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1957, 9 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 37. No. P-57-40/1)
- ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT**
 Growth rate of macrocolonies of yeast cells irradiated by ultraviolet rays of different wave length. N. V. Kovaleva. Dokl. AN SSSR 148 no. 5:1202-1204 F '63.
- ULTRAVIOLET RAYS—THERAPEUTIC USE**
 Ultraviolet irradiation in the compound therapeutic and orthopedic treatment of parodontosis. S. I. Avraimova, N. A. Dobytko, L. M. Mezniuk. Probl. stom. 6:109-115 '62.
- UL'YANOVSK—LOADING AND UNLOADING**
 Unit for loading motor-vehicle frames. L. A. Ullssov. Avt. prom. 29 no. 3:42 Mr '63.
- UL'YANOVSK—MUNICIPAL SERVICES**
 In Il'ich's birthplace. Zhil. - kom. khoz. 13 no. 2:4-6 '63.
- UNDERDEVELOPED AREAS**
 Dzhanusov, M. S. [Non capitalistic path of development] O nekapitalisticheskoi puti razvitiia. Moskva, Izd-vo "Znanie", 1963, 31 p.
- UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—EUROPE, EASTERN**
 Aid extended by the Mutual Economic Assistance Council to underdeveloped countries. Mezhdunar. zhizn' 10 no. 4:142-145 Ap '63.
- UNEMPLOYED**
 (see also subdivision under Scotland)
 Tragedy of millions. V. Saprykov. Otv. na vop. trud. no. 12:32-40 D '62.
- UNION OF SOVIET SOCIALIST REPUBLICS** see Russia
- UNITED NATIONS**
 Morozov, G. I. [Organization of the United Nations; basic international law problems concerning its structure and work] Organizatsiia Ob'edinennykh Natsii; osnovnye mezhdunarodno-pravovye aspekty struktury i deiatel'nosti. Moskva, Izd-vo IMO, 1962, 510 p.
 Report from New York. Vasil' Bol'shak. Sov. Ukr. 13 no. 1:160-160 Ja '63.
 "Reportage from a foreign country" by Nikolai Filimonov. Reviewed by V. Vasiluk. Komm. Bol. 37 no. 1:76-80 Ja '63.
 What is the 24-nation committee doing? A. Volgin. Nov. vrem. 20 no. 15:13-14 Ag '62.
- UNITED STATES—ART, ABSTRACT**
 Rotten roots. M. Korenchuk. Ukraina no. 2:7 Ja '63.
- UNITED STATES—ATOMIC ENERGY COMMISSION**
 Role of the U. S. Atomic Energy Commission. A. Zhilakov. Mir. ekon. i mezhdunar. otn. no. 3:112-113 '63.
- UNITED STATES—ATOMIC SUBMARINES**
 Killer and killers. G. Bako. Nov. vrem. 20 no. 16:16-17 Ap '63.
- UNITED STATES—AUTOMATIC CONTROL**
 Automation of control processes using digital computers in thermal electric power plants in the U. S. A. F. N. Sergievskii. Teploenergetika 10 no. 4:85-86 Ap '63.
 Work of American scientists in the field of automatic control (a brief annotation of papers delivered at the Third Joint Conference on Automatic Control on June 27-28, 1962 in the U. S. A.). S. F. Kozubov's'kyi. Avtomatika u no. 1:70-72 '63.
- UNITED STATES—AUTOMOBILE INDUSTRY**
 Steel brands and heat-treatment systems used in the United States for important parts of motor vehicles. I. S. Kozlovskii. Avt. prom. 29 no. 3:43-44 Mr '63.
- UNITED STATES—CANNING AND PRESERVING**
 Chemistry problems in the food industry (from "Food Preservation Quarterly," 22 no. 2, 1962). Kona. i ov. prom. 10 no. 4:37 Ap '63.
- UNITED STATES—CENSORSHIP**
 McCarthyites and "Novoe vremia." Nov. vrem. 20 no. 15:31 Ap '63.
- UNITED STATES—CHEMISTRY, TECHNICAL—RESEARCH**
 Scientific research in the chemical industry of the U. S. A. I. K. Bykov. Khim. prom. no. 1:74-78 Ja '63.
- UNITED STATES—CIVIL WAR**
 "The century of the Civil War in the U. S. A." Reviewed by A. A. Fursenko. Nov. i novetsh. ist. no. 2:102-161 '63.
- UNITED STATES—CIVILIZATION**
 "The American invasion" [in English] by Francis Williams. Reviewed by M. Zakhmatova. Mezhdunar. zhizn' 10 no. 4:130-141 Ap '63.
- UNITED STATES—CLOSED-CIRCUIT TELEVISION**
 Wide-screen systems for close circuit television. V. S. Babenko. Tekh. kino i telev. 7 no. 2:74-76 F '63.
- UNITED STATES—COAL MINERS**
 There is trouble in the Appalachians again. Boris Strelnikov. Ogonek 41 no. 7:25-27 F '63.
- UNITED STATES—COMMERCIAL POLICY**
 Pipes and politics. Nov. vrem. 20 no. 14:2-3 Ap '63.
 Sugar and politics. I. Shvartshlein. Mir. ekon. i mezhdunar. otn. no. 3:113-114 '63.
- UNITED STATES—COMMUNIST PARTY**
 The Communist Party of the U. S. A. is alive and fighting. A. A. Kudrin. Vop. ist. KPSS 7 no. 3:47-55 Mr '63.
- UNITED STATES—CRIME AND CRIMINALS**
 The growth of criminal offenses. R. U. Sov. iust. no. 4:31 F '63.
- UNITED STATES—CRIMINAL INVESTIGATION**
 How an American judge describes American "justice." F. Kamenskii. Sois. zakon. 39 no. 10:89-92 O '62.
- UNITED STATES—DIVING, SUBMARINE**
 Story of a tragic record. A. Efremov, L. Luganov. Smena 40 no. 6:119-21 Mr '63.
- UNITED STATES—ECONOMIC CONDITIONS**
 Prospects of the United States economy. A. Kashkarova. Nov. vrem. 20 no. 14:18-21 Ap '63.
- UNITED STATES—ECONOMIC POLICY**
 "The President's Council of Economic Advisers" [in English] by E. Ray Canterbury. Reviewed by T. K. Mir. ekon. i mezhdunar. otn. no. 3:149-150 '63.
- UNITED STATES—ELECTRIC POWER PLANTS**
 Automation of control processes using digital computers in thermal electric power plants in the U. S. A. F. N. Sergievskii. Teploenergetika 10 no. 4:85-86 Ap '63.

UNITED STATES—EMIGRATION AND IMMIGRATION

Some problems concerning immigration in the U.S.A. [with summary in English]. Sh. A. Bogina. Sov. etn. no. 1:49-62 Ja-F '63.

UNITED STATES—EXECUTIVES

Business leadership in the large corporation [in English] by R. A. Gordon. Reviewed by P. Aleksandrov. Mir. ekon. i mezhdunar. otn. no. 3:138-142 '63.

UNITED STATES—FOOD, CONCENTRATED

Calcium silicates ("Micro-Cel") contribute to the improvement of the quality of food concentrates from "Food Engineering." no. 6, 1962). Kons. i ov. prom. 18 no. 4:34 Ap '63.

UNITED STATES—FOOD, DRIED

Development of drying by sublimation in the U.S.A. (from "Food Engineering," 34 no. 8, 1962). Kons. i ov. prom. 18 no. 4: Ap '63.

UNITED STATES—FOOD, FROZEN

Use of antioxidants in the freezing of food products (from "Frozen Food Field," 34, no. 5, 1962). A. F. Namentnikov. Kons. i ov. prom. 18 no. 4:37-38 Ap '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—EUROPE, WESTERN

Washington's calculations and miscalculations. B. Likhachev. Mir. ekon. i mezhdunar. otn. no. 3:107-110 '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—LATIN AMERICA

Levin, V. G. [U.S.A. and Latin America] SSsA i Latinskaya Amerika. Moskva, Izd-vo "Znanie," 1963, 31 p. (Novoe v zhizni, nauka, tekhnika. VII Seriya: Mezhdunarodnaya, no. 6)

UNITED STATES—FOREIGN RELATIONS

Cold war reserve. George Morris. Vsem. prof. dvizh. no. 1:22-30 Ja '63.

V. I. Lenin on American imperialism and the U.S. labor movement [with summary in English, p. 188]. L. I. Zubok. Nov. i noveish. ist. no. 2:50-64 '63.

Vandals of the Atomic Age. Andrei Zaitsevskii. Sov. Ukr. 12 no. 11:126-133 N '62.

"Western unity and the Common Market" by Walter Lippmann. Reviewed by N. N. Inozemtsev. Mir. ekon. i mezhdunar. otn. no. 3:63-80 '63.

"Why not victory?" [in English] by Barry M. Goldwater. Reviewed by G. Ushakov. Nov. vrem. 20 no. 15:30-31 Ap '63.

UNITED STATES—FOREIGN RELATIONS—CUBA

The Bay of Pigs. Nov. vrem. 20 no. 16:4 Ap '63. Report from New York. Vasil' Bol'shak. Sov. Ukr. 13 no. 1:160-166 Ja '63.

The U.S. intervention in Cuba in 1933 [with summary in English, p. 100]. Nov. i noveish. ist. no. 2:108-117 '63.

When peace hangs on a thread... Boris Strel'nikov. Ogonek 40 no. 47:25-27 N '62.

UNITED STATES—FOREIGN RELATIONS—EUROPE, WESTERN

Storm in the Atlantic. F. Orekhov. Mezhdunar. zhizn' 10 no. 4:31-40 Ap '63.

UNITED STATES—FOREIGN RELATIONS—JAPAN

The aggressive alliance in the Far East. B. Pospelov. Mezhdunar. zhizn' 10 no. 4:41-40 Ap '63.

UNITED STATES—FOREIGN RELATIONS—LATIN AMERICA

Friends and foes of Latin America. Nov. vrem. 20 no. 14:1-2 Ap '63.

UNITED STATES—FOREIGN RELATIONS—RUSSIA

My great-grandfather and Karl Marx. Ann Eaton. Nov. vrem. 20 no. 16:29-31 Ap '63.

When peace hangs on a thread... Boris Strel'nikov. Ogonek 40 no. 47:25-27 N '62.

The world remembers it. G. Gurkov. Ogonek 40 no. 52: 4-5 D '62.

UNITED STATES—GERMANS

Shadow of the swastika over Fifth Avenue. K. Nepomnashchii. Ogonek 40 no. 50:6-7 D '62.

UNITED STATES—HISTORY

Aptheker, Herbert. [The colonial era. Translated from the English] Kolonial'naya era. Moskva, Izd-vo inostr. lit-ry, 1961, 198 p. (Istorika amerikanskogo naroda) (IEN)

Efforts to renew an old theory. N. A. Erofeev. Nov. i noveish. ist. no. 2:177 '63.

My great-grandfather and Karl Marx. Ann Eaton. Nov. vrem. 20 no. 16:29-31 Ap '63.

"Recent history of the U.S.A., 1917-1980" by N. N. Iakovlev. Reviewed by L. I. Zubok. Vop. ist. 38 no. 3:162-155 Mr '63.

UNITED STATES—INCOME

"Study on the reproduction of the means of production under the conditions of the general crisis of capitalism using the example of the U.S.A." L. I. Abalkin and others. Reviewed by S. Nikitin, V. Kudrov. Vest. stat. no. 3:49-53 '63.

UNITED STATES—INTELLIGENCE SERVICE

American intelligence agencies in the service of monopolies. F. Sergeev. Polit. samobor. 7 no. 2:60-65 F '63.

UNITED STATES—KAZAKH STUDIES

Tursunbaev, A. B. [Against the bourgeois falsification of the history of Kazakhstan] Protiv burzhuaznoi falsifikatsii istorii Kazakhstana. Almaty, Kazgospolitizdat, 1963, III p.

UNITED STATES—LABOR AND LABORING CLASSES

Cold war reserve. George Morris. Vsem. prof. dvizh. no. 1:22-30 Ja '63.

V. I. Lenin on American imperialism and the U.S. labor movement [with summary in English, p. 188]. L. I. Zubok. Nov. i noveish. ist. no. 2:50-64 '63.

UNITED STATES—LABOR AND LABORING CLASSES—DWELLINGS

Some problems of housing construction in the United States. I. U. Bocharov. Zhil. stroit. no. 2:19-22 '63.

UNITED STATES—NEWS AGENCIES

The agency United Press International. Mezhdunar. zhizn' 10 no. 4:145-147 Ap '63.

UNITED STATES—PACKAGING

Plastics in the manufacture of packaging paper carton-board (from "Packaging," no. 377, 1961). Bum. prom. 38 no. 3:31 Mr '63.

UNITED STATES—POLICE

How an American judge describes American "justice." F. Kamenetskii. Sots. zakon. 38 no. 10:80-82 O '62.

UNITED STATES—POLITICS AND GOVERNMENT

"Gray eminences" of the White House. Valentin Zorin. Nov. vrem. 20 no. 15:7-10 Ap '63.

There where money rules; only facts. A. Loginov. Polit. samobor. 7 no. 2:117-122 F '63.

UNITED STATES—PRESS

The dog constellation and dollars. I. Davydov. Sov. pech. no. 2:59-60 F '63.

UNITED STATES—PROTESTANT CHURCHES

Reverend Monahan asks for contributions. V. Shkivn. Nauka i rel. 4 no. 3:30-31 Mr '63.

UNITED STATES—QUACKS AND QUACKERY

Charlatanism and quackery in the U.S.A. under the label of scientific theories. N. P. Evseeva. Zdrav. roa. Feder. 7 no. 3:37-40 Mr '63.

UNITED STATES—RELATIONS (GENERAL) WITH RUSSIA

Let's cooperate in the name of progress. Sov. Soluz. no. 10:54-55 '62.

UNITED STATES—RELIGION

Confession. M. Gorkii. Volov. atelst 3 no. 3:46-48 Mr '63.

UNITED STATES—SPORTS

Through the eyes of a trainer. A. Plachuk. Smena 40 no. 5:21-23 Mr '63.

UNITED STATES—TANK VESSELS

New ships (from "Shipbuilding and Shipping Record," December 1961; no. 1, 1962). Bil. tekhn. - ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:96-102 '62.

UNITED STATES—TRACTORS

The Allis-Chalmers wheeled tractor. A. I. Sharapova. Trakt. i sel'khoz. mash. 33 no. 2:47-48 F '63.

American wheeled tractors; technological review. E. M. Gorekin. Trakt. i sel'khoz. mash. 33 no. 1:41-45 Ja '63.

UNITED STATES—VEGETABLES—HARVESTING

Mechanized harvesting of vegetables in the U.S.A. G. D. Petrov, N. F. Didenko. Trakt. i sel'khoz. mash. 32 no. 12: 30-40 D '62.

UNITED STATES—WAR OF 1812

Nature of the Anglo-American War of 1812-1814. V. G. Sirotkin. Vop. ist. 38 no. 3:190 Mr '63.

UNITED STATES—WOMEN AND PEACE

They can't stop them! Olga Chechetkina. Rabotnitsa no. 1:13 Ja '63.

UNITED STATES—YOUTH

End of the "silent generation." Henry Winston. Smena 40 no. 1:11 Ja '63.

UNITS

Adoption of the international unit system. L. L. Minenko, A. F. Miglachenko. Izv. vys. ucheb. zav.; tekhn. leg. prom. no. 1:3-11 '63.

International system of units. N. V. Kalashnikov, L. R. Stoitskii. Lit. proizv. no. 1:41-43 Ja '63.

International system of units. V. I. Trembovlla. Energetik 11 no. 2:5-7 F '63.

International system of units and its use in design and construction. L. R. Stoitskii, N. V. Kalashnikov. Prom. stroit. 40 [i.e. 41] no. 3:50-54 Mr '63.

Introducing the international unit system. V. P. Korotkov. Vest. vys. shkoly 21 no. 4:23-26 Ap '63.

New international unit system "SI". Khel. tekhn. 40 no. 1: 73-76 Ja-F '63.

Reznikov, L. I. [International System of Units in a physics course of secondary schools] Mezhdunarodnaya sistema edinit v kurse fiziki srednei shkoly. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962, 60 p.

SI, the international system of units, and its use in the glass and ceramics industries. L. R. Stoitskii, N. V. Kalashnikov. Stek. i ker. 20 no. 4:41-46 Ap '63.

Study of basic units of the international system (SI) in a physics course. V. I. Matko. Sred. shkol. obr. 10 no. 3:9-11 Mr '63.

UNIVERSITIES AND COLLEGES—ADMINISTRATION see subdivision under Lvov

UNIVERSITIES AND COLLEGES—ENTRANCE REQUIREMENTS

Institutions of higher learning should have a new and fine student body. V. F. Neamtsov. Vest. vys. shkoly 21 no. 4:15-17 Ap '63.

UNSATURATED COMPOUNDS

Addition of silicon hydrides to unsaturated compounds in the presence of nickel carbonyl. E. TS. Chukevskaya, R. Kh. Freidlin. Izv. AN SSSR, Otd. khim. nauk no. 4: 761-763 Ap '63.

Cathodic hydrodimerization of esters of α, β -unsaturated acids. A. P. Tomilov, L. V. Kaabak. Zhur. ob. khim. 33 no. 3:731-734 Mr '63.

Kinetics of diene synthesis involving azodiarols. N. I. Vasil'ev and others. Zhur. ob. khim. 33 no. 3:734-738 Mr '63.

Reaction of nucleophilic addition to alkyl phosphinites. A. N. Pudovik, N. G. Khushanova, I. M. Aladzheva. Zhur. ob. khim. 33 no. 3:1045-1046 Mr '63.

URAL MOUNTAIN REGION—COMMUNITY CENTERS

Lights of the Urals. Klub 12 no. 11:10-17 N '62.

URAL MOUNTAIN REGION—DANCING

Kulazova, O. N. [Dances of the Ural Mountain Region] Tantsy Urala. [Sverdlovsk, Sverdlovskoe knizhnoe izd-vo] 1962, 160 p. (MII)

URAL MOUNTAIN REGION—FAULTS (GEOLOGY)

Main Ural fault in the southern Urals. S. S. Gorokhov, V. S. Sharfman. Dokl. AN SSSR 149 no. 2:388-391 Mr '63.

URAL MOUNTAIN REGION—GEOLOGY, STRUCTURAL

Classification of local uplifts in the Mesozoic and Cenozoic mantle of the Ural Mountain portion of the West Siberian Plain. M. I. A. Rudkevich. Trudy SNIIGGIMS no. 26:126-133 '62.

URAL MOUNTAIN REGION—LAKES

Level fluctuations of lakes in the southeastern Ural Mountain region in the historical past. E. M. Gorelova, Trudy Lab. ozernoved. 15:145-150 '63.

URAL MOUNTAIN REGION—OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Bits manufactured by the Verkhne-Serginskii Plant. A. E. Peref'man. Nef'tiank 7 no. 7:15-16 Ji '62.

URAL MOUNTAIN REGION—OSTRACODA, FOSSIL

Ostracods in the calcareous layers of the western slope of the southern Urals and western Bashkirta. A. A. Rozhdestvenskaya. Dokl. AN SSSR 149 no. 4:935-937 Ap '63.

URAL MOUNTAIN REGION—PALEONTOLOGY, STRATIGRAPHIC

Producing layer of gas and oil pools in the zone of regional oil and gas accumulation in the Siberian Ural Mountain region. M. I. A. Rudkevich. Trudy SNIIGGIMS no. 26:34-39 '62.

URAL MOUNTAIN REGION—RUNOFF

Bykov, V. D. [Runoff of Ural rivers; geographic and hydrologic regularities in the distribution and runoff regime of rivers in the Urals] Stok rek Urala; geografiko-gidrologicheskie zakonomernosti raspredeleniia i rezhima stoka rek na territorii Urala. Moskva, Izd-vo Mosk. univ., 1963, 142 p. maps.

URAL MOUNTAINS—GEOLOGY, STRATIGRAPHIC

Characteristics of the boundary layers between the Tournaisian and Viscon stages on the western slope of the central Urals. G. A. Smirnov and others. Dokl. AN SSSR 149 no. 2:395-398 Mr '63.

Marine Permian of the eastern slope of the Urals. N. P. Malakhova. Dokl. AN SSSR 148 no. 5:1172-1174 F '63.

URAL MOUNTAINS—MINES AND MINERAL RESOURCES

Stone catalog of the Urals. N. Bobrov. Sov. Soluz. no. 2: 34 '63.

- URAL MOUNTAINS—ROCKS, CRYSTALLINE AND METAMORPHIC**
Methods of studying metamorphic rocks [with summary in English]. V. M. Chaka. Geol. i geofiz. no. 12:71-78 '62.
- URAL MOUNTAINS—ROOFS**
Design, erection and use of roofs of industrial buildings under conditions prevailing in the Ural Mountains. B. I. Truba. Prom. stroi. 40 [i, e, 41] no. 4:8-13 Ap '63.
- URANIUM**
Complexing reactions in the chemical technology of uranium. I. I. Cherniaev, G. V. Ellert. Atom. energ. 14 no. 4:383-394 Ap '63.
Extraction of uranium by a binary mixture of reagents. V. B. Shevchenko, V. S. Smelov, A. V. Strakhova. Zhur. neorg. khim. 7 no. 7:1736-1742 Jl '62.
Piezospectroscopic effect in lithium fluoride crystals activated by hexavalent uranium. A. A. Kaplanskii, N. A. Moskvina. Opt. i spektr. 13 no. 4:542-549 O '62.
- URANIUM—DECAY**
Radioactive elements of the uranium and thorium series in oil field formation waters. G. Kh. Efendiev, A. N. Nuriev. Azerb. khim. zhur. no. 2:113-117 '62.
- URANIUM—SPECTRA**
Spectrophotometric determination of uranium by means of thiocyanate in the presence of molybdenum and vanadium [with summary in English]. L. M. Moiseeva, I. U. N. Tumanov. Zhur. anal. khim. 17 no. 5:595-597 Ag '62.
- URANIUM ALLOYS**
Ivanov, O. S., ed. [Structure and properties of uranium, thorium, and zirconium alloys] Stroenie i svoystva splavov urana, toriya i tsirkonia. Moskva, Gosatomizdat, 1963. 378 p.
- URANIUM CHLORIDE**
Interaction of UCl_4 and $U(SO_4)_2$ with NaF in aqueous solutions. I. V. Tananaev and others. Zhur. neorg. khim. 7 no. 7:1875-1880 Jl '62.
- URANIUM ORES**
Low-temperature quartz-albite alterations of rocks near uranium ore bodies. G. A. Lisitsina, B. I. Onel'ianenko, P. A. Raudonka. Geol. rud. mestorozh. 5 no. 1:7-16 Ja-F '63.
Ozhinski, I. S., P. V. Sokolov, and B. I. A. Iuf. [How to search for uranium ores] Kak iskat' uranovye rudy. Izd. 2., ispr. i dop. Moskva, Gosgeoltekhizdat, 1962. 55 p. (Biblioteka iskatelia poleznykh iskopaemykh)
Possibility of using the biogeochemical method in prospecting for uranium in an arid climate. V. M. Konstantinov. Sov. geol. 6 no. 3:151-155 Mr '63.
- URANIUM ORES—CLASSIFICATION**
Genetic classification of uranium deposits. I. A. D. Gotman, I. N. Zubrev. Sov. geol. 6 no. 3:43-58 Mr '63.
- URANIUM OXIDES**
Catalytic properties of $\alpha-U_3O_8$ in reactions of dehydrogenation and dehydration; bond energies of carbon, hydrogen, and oxygen with the catalyst. A. A. Tolstopiatova, Z. Dudzik, A. A. Balandin. Izv. AN SSSR, Old. khim. nauk no. 4:616-619 Ap '63.
Reduction of uranium trioxide by a nitrogen-hydrogen mixture. V. G. Vlasov, V. M. Zhukovskii. Kin. i kat. 4 no. 1:76-81 Ja-F '63.
- URANIUM SULFATE**
Interaction of UCl_4 and $U(SO_4)_2$ with NaF in aqueous solutions. I. V. Tananaev and others. Zhur. neorg. khim. 7 no. 7:1875-1880 Jl '62.
- URANYL COMPOUNDS**
Energy transfer from uranyl cations to phthalocyanine in solution and in the state of adsorption. G. I. Kobyshev, G. N. Lialin, A. N. Terenin. Dokl. AN SSSR 148 no. 6:1294-1297 F '63.
Luminescence of the uranyl-phthalocyanine complex. G. N. Lialin, G. I. Kobyshev. Dokl. AN SSSR 148 no. 5:1053-1056 F '63.
- URANYL FLUORIDE**
Preparation and properties of some complex fluorides of uranyl. L. L. Zaitseva and others. Zhur. neorg. khim. 7 no. 7:1538-1547 Jl '62.
- URANYL NITRATE**
Interaction between $UO_2(NO_3)_2$ and Na_2HPO_4 in aqueous solution. I. V. Tananaev, G. V. Rodicheva. Atom. energ. 14 no. 4:395-399 Ap '63.
- UREA**
Amperometric determination of small quantities of thiourea and its use for the amperometric determination of silver [with summary in English]. V. I. Ginzburg, O. I. Viger. Zhur. anal. khim. 17 no. 5:631-635 Ag '62.
Bis (β -chloroethyl) amines, derivatives of urea and thiourea. A. I. A. Berlin, I. S. Levi. Zhur. ob. khim. 33 no. 3:860-865 Mr '63.
Condensation of thiourea and alkyl phenols with formaldehyde. A. M. Kuliev, Kh. N. Kulieva. Azerb. khim. zhur. no. 2:65-69 '62.
- S-derivatives of thiourea. Part 7: Reaction of thiourea with N-isopropyl-2,3-dibromopropylamine. V. M. Fedoseev, V. V. Ivanov, A. B. Silaev. Zhur. ob. khim. 33 no. 3:1026-1031 Mr '63.
- UREA AS FEED**
Investigation results and recommendations for the use of synthetic urea in stockbreeding. S. Z. Izlytskiy. Visnyk sil'hosp. nauky 6 no. 2:65-71 F '63.
- UROLOGY—CONGRESSES**
Ukrainskaia respublikanskaia konferentsiia urologov, posviashchena 150-letiu so dnia rozhdenia N. I. Pirogova, 1960. [Transactions of the Ukrainian Conference of Urologists devoted to the 150th anniversary of N. I. Pirogov's birth, held June 27-29, 1960] Trudy. Kiev, Gosmedizdat USSR, 1962. 388 p. (DNLN)
- URUGUAY—COMMERCE**
Romanova, Z. I. [Uruguay; economy and foreign trade] Urugvaj; ekonomika i vneshtniala torgovlia. Moskva, Vneshtorgizdat, 1962. 142 p.
- URUGUAY—ECONOMIC CONDITIONS**
Romanova, Z. I. [Uruguay; economy and foreign trade] Urugvaj; ekonomika i vneshtniala torgovlia. Moskva, Vneshtorgizdat, 1962. 142 p.
- UST'-ILIM HYDROELECTRIC POWER STATION**
Siberian galaxy. Sov. Soluz no. 4:6-11 '63.
- UST'-KAMENOGORSK—CHILDRENS CLUBS**
And life was in full swing outdoors. A. Vengerov. Zhil. i kom. khoz. 13 no. 2:6-7 '63.
- UST'-LABINSK—COOPERATIVE SOCIETIES**
Cooperators, increase the scope of socialist competition! Sov. potreb. koop. 7 no. 4:8-9 Ap '63.
- UST'-LABINSK DISTRICT—AGRICULTURE**
Start of a great campaign. T. Airapetian, I. U. Krivanosov. Ogonek 41 no. 11:1 Mr '63.
- UST'-LABINSK REGION—AGRICULTURE**
People make weather. IU, Kotier. Sov. Soluz no. 4:20-25 '63.
- UST-URT—RATEL**
Distribution and ecology of the ratel (Mellivora capensis indica Kerr.) in southern Ust-Urt [with summary in English]. V. P. Kostin. Zool. zhur. 42 no. 2:307-309 '63.
- UTERUS—DISEASES**
State of the argyrophil ground substance in hyperplastic processes of the cervix uteri in pregnant and nonpregnant women. L. S. Terenteva. Sov. zdrav. kir. no. 1:31-35 Ja-F '63.
- UTERUS—RADIOGRAPHY**
Hysterosalpingography as a diagnostic and therapeutic method in tubal sterility. V. I. Abgarov, A. M. Mazel. Azerb. med. zhur. 40 no. 1:42-46 Ja '63.
- UTOPIAS**
"Social plan" of Jean-Claude Chappuis [with summary in English, p. 180]. A. R. Tonnissian. Nov. i noveish. ist. no. 2:118-132 '63.
- UZBEKISTAN—ADMINISTRATIVE AND POLITICAL DIVISIONS**
Brotherly gift of Kazakhstan. Uzbekistan 22 no. 2:3 F '63.
- UZBEKISTAN—AGRICULTURE**
Be fully prepared to meet the agricultural spring. Nar. khoz. Uzb. 5 no. 3:10-12 Mr '63.
- UZBEKISTAN—ALFALFA**
Study of the chemical method of weed control in alfalfa stands. A. A. Rakhimov. Vop. biol. i kraev. med. no. 3:122-126 '62.
- UZBEKISTAN—BOOKSELLERS AND BOOKSELLING**
Fergana, Margelan, and Kokand. V. Utkov. Sov. knizh. torg. 14 no. 3:12-14 Mr '63.
- UZBEKISTAN—CAPITAL**
Working capital of industrial enterprises. R. Podol'skaia. Nar. khoz. Uzb. 5 no. 3:48-51 Mr '63.
- UZBEKISTAN—CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES**
When the plan becomes a meaningless scrap of paper. N. Platonov. Nar. khoz. Uzb. 5 no. 3:64-68 Mr '63.
- UZBEKISTAN—CHEMICAL INDUSTRIES**
We shall put production capacity into operation ahead of schedule. Nar. khoz. Uzb. 5 no. 3:35-38 Mr '63.
- UZBEKISTAN—COMMERCE**
What surprises the senator. V. Krupin. Ogonek 41 no. 12:11 Mr '63.
- UZBEKISTAN—CONSTRUCTION INDUSTRY**
Eliminate deficiencies in capital construction decisively. Nar. khoz. Uzb. 5 no. 3:3-7 Mr '63.
- UZBEKISTAN—CONSTRUCTION INDUSTRY—MANAGEMENT**
Build economically! G. Gringof. Nar. khoz. Uzb. 5 no. 3:36-37 Mr '63.
- UZBEKISTAN—CONSTRUCTION WORKERS**
Color of flame. O. Kuprin, D. Ukhoniskii. Ogonek 41 no. 12:8-10 Mr '63.
- UZBEKISTAN—CORN (MAIZE)—FERTILIZERS AND MANURES**
Effect of mineral food on the growth, development and ear yield of different corn subspecies. T. V. Volkovkhovich. Vop. biol. i kraev. med. no. 3:106-110 '62.
- UZBEKISTAN—COTTON GROWING**
Heat as a potential for increasing the yield of cotton. A. Saidkhodzhaev. Nar. khoz. Uzb. 5 no. 3:78-79 Mr '63.
- UZBEKISTAN—CUTWORMS—BIOLOGICAL CONTROL**
Relations between the cutworm *Agrotis negatima* Schiff. and the complex of its parasites. L. S. (I) Minina. Vop. biol. i kraev. med. no. 3:197-206 '62.
- UZBEKISTAN—ELECTIONS**
On the eve of elections. Uzbekistan 22 no. 2:1 F '63.
- UZBEKISTAN—ENSEMBLES (MUSIC)**
Soldiers' ovals. D. Polina. Uzbekistan 22 no. 2:23 F '63.
- UZBEKISTAN—FEEDS**
Benefits derived from enriched feeds. N. Aleksaev. Nar. khoz. Uzb. 5 no. 3:58-61 Mr '63.
- UZBEKISTAN—FINANCE**
Put internal economic potentials into the service of the state. V. Muratkhodzhaev. Nar. khoz. Uzb. 5 no. 3:13-16 Mr '63.
- UZBEKISTAN—FOOD INDUSTRY**
Maturity diploma. I. Postolov. NTO 6 no. 2:19-20 F '63.
- UZBEKISTAN—INDUSTRIAL MANAGEMENT**
Put internal economic potentials into the service of the state. V. Muratkhodzhaev. Nar. khoz. Uzb. 5 no. 3:13-16 Mr '63.
- UZBEKISTAN—LEGUMES**
Profitable culture. N. Nasyrov. Nar. khoz. Uzb. 5 no. 3:52-54 Mr '63.
- UZBEKISTAN—MINES AND MINERAL RESOURCES**
The raw material supply of large-scale chemistry. S. Prionishnikov, G. Saidikhodzhaev. Nar. khoz. Uzb. 5 no. 3:40-43 Mr '63.
- UZBEKISTAN—OTTERS**
Distribution of the Iranian otter in Uzbekistan. A. Zakirov. Vop. biol. i kraev. med. no. 3:166-169 '62.
- UZBEKISTAN—PETROLEUM—REFINING**
We shall put production capacity into operation ahead of schedule. Nar. khoz. Uzb. 5 no. 3:35-38 Mr '63.
- UZBEKISTAN—POPULATION—STATISTICS**
Eloquence of figures. N. Schastnev. Nar. khoz. Uzb. 5 no. 3:17-23 Mr '63.
- UZBEKISTAN—PRECAST CONCRETE CONSTRUCTION**
The economics of large-panel house construction. S. Petrov. Nar. khoz. Uzb. 5 no. 3:29-32 Mr '63.
- UZBEKISTAN—RETAIL TRADE**
Improve consumer service. Sh. Samshiev. Nar. khoz. Uzb. 5 no. 3:75-77 Mr '63.
- UZBEKISTAN—WEED CONTROL**
Study of the chemical method of weed control in alfalfa stands. A. A. Rakhimov. Vop. biol. i kraev. med. no. 3:122-126 '62.
- UZBEKISTAN—WOMEN—EMPLOYMENT**
Good luck to you, gallant toilers! Nar. khoz. Uzb. 5 no. 3:8-9 Mr '63.
- UZBEKS** see subdivision under Kafirnigan Valley
- UZLOVAYA—COAL MINES AND MINING**
Guidance of the workers' conscience. V. Vishniakov. NTO 6 no. 4:53-54 Ap '63.
- VACATIONS, EMPLOYEE**
Additional furloughs for medical workers. A. K. Aleksandrov. Zdrav. ita, Feder. 7 no. 3:46-48 Mr '63.
- VACCINATION**
Changes in the reticulo-histiocytic system of rabbits immunized with homologous tissues combined with killed streptococci [with summary in English]. A. S. Kaplanskii. Vop. revm. 1 no. 4:11-18 O-D '61.
Local reaction in guinea pigs inoculated with *Mycobacteria paratuberculosis*. T. N. Khavkin, N. I. Amosenkova. Trudy Len. inst. epid. i mikrobiol. 23:85-97 '61.

VACUUM APPARATUS

Degradation of fruit and berry juices under a vacuum. A. A. Mamakov, A. A. Erofeev, N. I. Tupalov. Izv. vys. ucheb. zav. i spishch. tekhn. no. 1:77-81 '63.

Luknykh, N. A., and I. S. Turotskil. [Basic principles of the technical design of units for the mechanical dehydration of sewage residues on drum vacuum fillers] Osnovnye printsipy tekhnologicheskogo rascheta ustano-vok po mekhanicheskomu obezvozhivaniyu osadkov stochnykh vod na barabannykh vakuum-fil'trakh. Mo-skva, 1962. 34 p. (Akademiya kommunal'nogo khozai-sstva. Informatsionnoe pis'mo, no. 1)

VACUUM METALLURGY

Effect of vacuum and gases on the chemical composition and structure of eutectic gray cast iron. I. V. Kuz'min, V. P. Chernobrovkin. Lit. proizv. no. 5:34-35 My '62.

Effect of vacuuming on the structure and graphitization of cast iron. V. P. Migal. Lit. proizv. no. 2:20-21 F '63.

The electric current and vacuum are working. O. Brod-skiy, L. Mar'ushkin. Nauka i zhizn' 12 no. 1:20-30 Ja '63.

Physicochemical principles and new data on the experi-mental investigation of the carbothermic method of preparing magnesium in the vacuum. E. I. Khazanov. Trudy Vost.-Sib. fil. AN SSSR no. 43:95-111 '62.

Vacuum treatment of gray cast iron. V. P. Migal. Lit. proizv. no. 1:25-26 Ja '63.

VACUUM-TUBE VOLTMETER see Electron-tube voltmeter

VAKHTANGOV, EVGENI BAGRATIONOVICH, 1883-1922

Together with Vakhtangov. R. Simonov. Ogonek 41 no. 7:26-29 F '63.

VALDAI HILLS—FISH CULTURE

Turlin, P. V. [Biological foundations of the reconstruc-tion of fish stocks in the northwestern lakes of the U. S. S. R.] Biologicheskoe osnovaniya rekonstruktsii rybnyykh zapasov v severo-zapadnykh ozerakh SSSR. Moskva, Pishchepromizdat, 1957. 200 p. (Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khozaistva. Izvestiya, vol. 40)

VALENCE (THEORETICAL CHEMISTRY)

Electron acceptor linkage of metal halides and carbonium ions. D. S. Bystryy, B. K. Nazarov. Dokl. AN SSSR 148 no. 6:1335-1338 F '63.

VALGA DISTRICT—COMMUNIST YOUTH LEAGUE

There was a policeman in our settlement. IU. Toplakov. Komsoz. zhizn' no. 13:27-28 Ji '62.

VALIKHANOV, CHOKAN CHINGISOVICH, 1835-1886

Valikhanov, Ch. Ch. [Ch. Ch. Valikhanov; collected works in five volumes] Sobraniye sochinenii v plati tomakh. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, Vol. 2. 1962. 704 p.

VALINE

Complex compounds of bivalent platinum with valine. L. M. Vol'shteyn, G. D. Zegzhda. Zhur. neorg. khim. 7 no. 7:1529-1520 Ji '62.

VALVES

Adjustment and maintenance of solenoid SVM-25 and SVM-40 diaphragm valves. A. G. Rotenberg. Khol. tekhn. 40 no. 1:52-56 Ja-F '63.

Automatic rotary swaging machine for valve stems of engines. V. I. Liubvin, I. N. Kosenko. Trakt. i sel'-khozmaash. 33 no. 1:37-39 Ja '63.

Leverless self-resetting safety valve. V. Varfolomeev. Zhil.-kom. khoz. 13 no. 1:25 '63.

Rotenberg, A. G. [Solenoid diaphragm valves] Solenoidnye membrannye ventili; nauchnoe soobshcheniye, Moskva, Gostorgizdat, 1962. 24 p.

VANADIUM BROMIDE

Dismutation of vanadium tribromide at high temperatures. S. A. Shchukarev, T. A. Tolmacheva, V. M. Tshintsius. Zhur. neorg. khim. 7 no. 7:1505-1508 Ji '62.

VANADIUM CHLORIDE

Enthalpy of vanadium trichloride formation. S. A. Shchukarev and others. Zhur. neorg. khim. 7 no. 7:1509-1511 Ji '62.

VANADIUM COMPOUNDS

Hydrolysis of pentavalent vanadium compounds. IU. I. Sannikov, V. L. Zolotarev, I. A. Bezrukov. Zhur. neorg. khim. 8 no. 4:923-933 Ap '63.

Pyrovanadophosphoric acid. G. B. Seifer, I. V. Tananaev. Zhur. neorg. khim. 8 no. 4:1011-1012 Ap '63.

VAPOR PRESSURE

Partial equilibrium pressures of HF, SiF₄ and H₂O above aqueous solutions. V. V. Ilarionov, Z. G. Smirnova, K. P. Kudaveva. Zhur. prikl. khim. 36 no. 2:237-241 F '63.

Possible reason for divergence in the results of meas-urements of the ratios of isotope vapor pressures at equilibrium as shown by the differential and Rayleigh methods. I. B. Amirkhanova and others. Dokl. AN SSSR 149 no. 2:351-352 Mr '63.

Rate of evaporation and vapor pressure of carbides, silicides, nitrides and borides [with summary in Eng-lish]. V. V. Fesenko, A. S. Bolgar. Porosh. met. 3 no. 1:17-25 Ja-F '63.

VARIATION (BIOLOGY)

Chemical mutations which do not affect the integrity of chromosomes. I. A. Rapoport, N. N. Zoz. TSitologiya 4 no. 3:330-334 My-Je '62.

Streptomycin, radiation and natural mutability. N. P. Dubinin, T. A. Grozdova. Dokl. AN SSSR 148 no. 6: 1397-1399 F '63.

Variability of Proteus morgani and Proteus vulgaris. Z. F. Samsonova. Vop. biol. i kraev. med. no. 3:225-229 '62.

VARICORINUS see subdivision under Sevan, Lake

VARIETY STORES see subdivision under Ukraine

VARNISH AND VARNISHING

Rodionov, S. V., and others. [Varnishing of wooden components in an electrostatic field using capacitive generators] Laktirovka detalей iz drevesiny v elektrostaticheskom pole s primeneniem emkostnykh generatorov. Leningrad, 1962. 27 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen perezodnym opytom. Seriya: Derevoobrabatval'shchaya promyshlennost', no. 9)

VASIL'KOV DISTRICT—COLLECTIVE FARMS—MANAGEMENT

The first positive steps. P. Fedosov. Part. zhizn' no. 6:34-37 Mr '63.

VASOMOTOR NERVOUS SYSTEM see Nervous system, Vasomotor

VASYL'CHENKO, STEPAN VASYL'OVYCH, 1878-1932

"Stepan Vasylichenko; a literary portrait" by V. Kostiu-chenko. Reviewed by B. A. Derkach. Rd. lit. 7 no. 1:140-141 Ja-F '63.

VECTORCARDIOGRAPHY

Vectorcardiographic observations. B. K. Miskhshev, IU. V. Korolev. Vop. pat. i krovoobr. no. 6:60-72 '61.

VEGETABLE GARDENING

(see also subdivision under Moscow Province; Ukraine)

Types of tractor-mounted vegetable and sugar beet planters. V. I. Aleksandrov, B. F. Kuznetsov. Trakt. i sel'khozmaash. 32 no. 12:28-30 D '62.

VEGETABLE GARDENING—STUDY AND TEACHING

School experimental plot in a greenhouse. I. Markov. Shkola i proizv. 6 no. 11:82 N '62.

VEGETABLES—CHEMICAL COMPOSITION

Determining the quantity of juice in the refractometric evaluation of the quality of vegetables and fruit. V. V. Nekrasov, IU. G. Skripnikov. Vest. sel'khoz. nauk 7 no. 12:123-124 D '62.

VEGETABLES—DRYING

Determining the size of the drop of the atomized product in spray drying in the manufacture of powdered vege-tables. M. L. Mal'tsev, E. I. Taubman. Kona. i ov. prom. 18 no. 3:23-24 Mr '63.

VEGETABLES—HARVESTING see subdivision under United States

VEGETABLES, CANNED

Improve the manufacturing technology of hors d'oeuvre type canned vegetables. A. P. Odnokolov, E. G. Dolta-nov. Kona. i ov. prom. 18 no. 4:17-18 Ap '63.

New type of canned "Vegetable ragout." I. A. Koval'. Kona. i ov. prom. 18 no. 4:20-21 Ap '63.

VEGETABLES, FROZEN

Manufacture of frozen fruits and vegetables. A. A. Pavlenko. Kona. i ov. prom. 18 no. 4:19 Ap '63.

VEGETATION AND CLIMATE see subdivision under Charky Valley

VELIKIYE LUKI—LANDSCAPE GARDENING

The city arose from ruins. N. Novikov. Zhil.-kom. khoz. 13 no. 3:24 Mr '63.

VENDING MACHINES

Electrical section of a money changing automat. V. Egorov. Radio no. 4:41-43 Ap '63.

Newspaper vending machines are working better. V. Tikhonov. Raspr. pech. no. 3:23-24 Mr '63.

VENDING MACHINES—EXHIBITIONS see subdivision under Moscow

VEREAL DISEASES

(see also subdivision under Kirghizistan) Golosovker, S. Ya. [Skin and venereal diseases in chil-dren] Kozhnye i venericheskie bolezni u detei. Lenin-grad, Medgiz, 1963. 242 p. (DNLM)

VENETSIANOV, ALEKSEI GAVRILOVICH, 1780-1847

On "simple nature" and "refined nature"; peasant images in paintings by A. G. Venetsianov. M. Alpatov. Iskusstvo 26 no. 1:52-57 '63.

VENEZUELA—SCIENTIFIC EXPEDITIONS

Facing the unknown (to be concluded) [translated from the French]. Raymond Flasson. Vokrug sveta no. 3:46-52 Mr '63.

Toward the unknown (to be continued) [translated from the French]. Raymond Flasson. Vokrug sveta no. 2: 24-27, 35 F '63.

VENOM—PHYSIOLOGICAL EFFECT

Effect of toad poison on white mice in rarefied air defi-cient of oxygen. V. I. Zakharov. Trudy Kish. gos. med. inst. 13:161-165 '60.

VENUS (PLANET)

Mystery planet. N. Barabashev. Av. i kosm. 45 no. 3: 22-26 Mr '63.

VEREISKII, GEORGH SEMENOVICH, 1886-1962

G. S. Vereiskii; an obituary. Iskusstvo 26 no. 1:80 '63.

VERKHOYANSK RANGE—GLACIA—ELECTRIC PROPERTIES

Using statistical analysis of the thermoelectromotive forces of galena for the interpretation of the primary zoning of ore formation as revealed by the studies in the Upper Menkeche deposit. G. A. Gorbakov, L. N. Indolev. Nauch. soob. IAFAN SSSR no. 7:135-144 '62.

VERKHOYANSK RANGE—GRANITE

Petrology of granitoids in the Pegel'kikh-Guonofond'a In-terfluv (southern Verkhoyansk Range) [with summary in English]. K. K. Levashov. Geol. i geofiz. no. 12: 58-70 '62.

VERKHOYANSK RANGE REGION—GEOLOGY

Geology of the western part of the Kell trough. A. V. Lelitsig. Nauch. soob. IAFAN SSSR no. 2:3-9 '59.

VERKHOYANSK RANGE REGION—GEOLOGY, STRATI-GRAPHIC

Stratigraphy of Upper Jurassic sediments in the cla-Verkhoyansk marginal trough on the latitude of the Begidzhen River. V. F. Ogan. Nauch. soob. IAFAN SSSR no. 7:5-9 '62.

VERNADSKII, VLADIMIR IVANOVICH, 1863-1945

Academician from the Soviet Union. F. Kamenskii. Ogonek 41 no. 11:7 Mr '63.

Post of earth and outer space. Vladimir L'vov. V mire knig no. 2:9-11 F '63.

V. I. Vernadskii's scientific legacy. A. P. Vinogradov. Vest. AN SSSR 33 no. 3:91-96 Mr '63.

VESTIBULAR APPARATUS

Effect of exclusion of the globus pallidus on the vesti-bular function in man [with summary in English]. R. R. Galle. Vest. otorin. no. 4:23-29 '62.

VETCH

Intensity of the growth of roots and biological character-istics of crops [with summaries in English, German, and French]. B. G. Demidenko. Vest. sel'khoz. nauk 7 no. 12:107-110 D '62.

VETERANS

(see also subdivision under Volgograd) Fate of the heroes of Pavlov's house. L. Savel'ev. Ogonek 41 no. 6:17 F '63.

VETERINARY EMBRYOLOGY

Some characteristics of the growth of silver foxes in the postembryonal period. G. B. Mamaeva. Nauch. soob. IAFAN SSSR no. 2:68-72 '59.

VETERINARY HYGIENE

Problems of veterinary hygiene and arachnid and insect infestations. N. Rostovtsev. Vest. sel'khoz. nauk 7 no. 12:146-149 D '62.

VETERINARY INSTRUMENTS AND APPARATUS

Swine takes medicine. IU. Medvedev. Izobr. i rais. no. 1:10 '63.

VETERINARY MEDICINE

Kumel's, Sh. A. [Diagnosis and treatment of diseases of the digestive organs in animals] O diagnostike i terapii zhivotnykh s zabolevaniyami organov pliche-varenia. Moskva, Izd-vo M-vn sel'skogo khozaistva RSFSR, 1962. 98 p.

VETERINARY MEDICINE—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur. i Zhiv. Vet. nos. 7-8 Ap '63.

VETERINARY PATHOLOGY

Histologic picture of the parodontitis in animals. I. O. Novik and others. *Probl. stom.* 6:11-24 '62.

VIBRATION

Inertia device for measuring the actual speed of a current with wire converters and hydraulic damping. M. A. Mikhalev. *Izv. vys. ucheb. zav. stroit. i arkhit.* 6 no. 1: 127-133 '63.

One feature of resonance phenomena in a system with an arbitrary number of degrees of freedom and resistance to movement. A. G. Barchenkov. *Izv. vys. ucheb. zav. stroit. i arkhit.* 6 no. 1:12-17 '63.

VIBRATION—MEASUREMENT

Vasil'eva, R. V. [Vibrating stands for calibrating vibrometers and accelerometers in a wide frequency range] *Vibrostandy dlia tarirovki vibrometrov i akcelero metrov v shirokom diapazone chastot*. Moskva, Fizmatgiz, in-ia nauchn. i tekhn. informatsii, 1958, 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 31, No. P-58-14/2)

VIBRATION—PHYSIOLOGICAL EFFECT

Vibration disease and the vascular system. V. E. Kozlova. *Vop. pat. krovi i krovoobr.* no. 6:198-204 '61.

VIDEO TAPE RECORDERS AND RECORDING

New method for the transverse recording of electric signals on the magnetic tape. V. M. Sasin. *Tekh. kino i telev.* 7 no. 3:61-63 Mr '63.

System of automatic speed regulation of the movement of tape and heads of video tape recorders (with summary in English on p. 95). L. Lazarev. *Tekh. kino i telev.* 7 no. 2:37-41 F '63.

VIETNAM, NORTH—ETHNOLOGY

Ethnographic characteristics of the peoples of the Xa group (with summary in English). S. A. Arutunov. A. I. Mukhlinov. *Sov. etn.* no. 1:63-78 Ja-F '63.

VIETNAM, NORTH—INSURANCE, SOCIAL

A step forward in the social security of Vietnam. Nguyen Ho. *Vsem. prof. dvizh.* no. 1:34-36 Ja '63.

VIETNAM, SOUTH—CHEMICAL WARFARE

Death clouds over South Vietnam. Z. M. Nov. *vrem.* 20 no. 15:18-19 Ap '63.

VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN

The normal and abnormal. I. U. B. Nov. *vrem.* 20 no. 10: 15 Ap '63.

VIL'JAMS, VASILII ROBERTOVICH, 1863-1939

Bankruptcy of V. R. Vil'jams' methodological principles of grassland farming. E. V. Girusov. *Nauch. dokl. vys. shkoly, filios, nauki* 6 no. 1:68-73 '63.

VILNIUS—CONVEYING MACHINERY

Conveyor is in operation. S. Kozinova. *Mashinostroitel'* no. 2:47 F '63.

VILNIUS—MACHINE-TOOL INDUSTRY

Eyes on the future. Ruta Zickyle. *Sov. Soluz* no. 1:18-23 '63.

VILNIUS—RAILROADS—EMPLOYEES

Lauchavichus, Stanislovas, and S. P. Bykov. [Fellow workers' courts] *Telsia draugai. Vilnius, Valstybine Politines ir mokslines literaturos teldykla*, 1961. 25 p. [In Lithuanian]

VILONOV, NIKIFOR EFREMOVICH, 1883-1910

Ardent fighter for the happiness of the people; on the 30th anniversary of N. E. Vilonov's birth. M. B. Perelli-man. *Ukr. ist. zhur.* 6 no. 1:91-94 Ja-F '63.

VILYUY LOWLAND—PALYNOLOGY

Palynological characteristics of Mesozoic sediments in the Vilyuy Lowland. G. F. Skripina. *Nauch. soob. IAFAN SSSR* no. 7:39-58 '62.

VILYUY RIVER—HYDROELECTRIC POWER STATIONS

While you are young. Semen Shurtakov. *Ogonek* 41 no. 3:6-8 Ja '63.

VILYUY VALLEY—FROZEN GROUND

Interesting phenomenon of permafrost. G. V. Naumov. *Nauch. soob. IAFAN SSSR* no. 3:82-85 '60.

VINNITSA PROVINCE—BOOKSELLERS AND BOOK-SELLING

The broad front of socialist competition. *Sov. knizh. torg.* 14 no. 3:2 Mr '63.

VINNITSA PROVINCE—COMMUNIST YOUTH LEAGUE

The pith of the policy. I. U. Kriuchkov. *Komsom. zhizn'* no. 5:10-12 Mr '63.

VINNITSA PROVINCE—NEWSPAPER AND PERIODICAL CIRCULATION

Volunteer groups and diverse forms of work. S. Trokhimenko. *Raspr. pech.* no. 3:10-11 Mr '63.

VINOGRADOVSKY DISTRICT—SPRUCE

Effect of the time of felling on the physiological processes in spruce growth in clear-cut areas. A. V. Veretennikov, L. N. Burmina. *Dokl. AN SSSR* 148 no. 6:1422-1424 F '63.

VINYL ALCOHOL

Vinyl monomers based on dicarboxylic acids. Part 3: Vinyl alkyl esters of glutaric acid. Vinylcyclohexyl and vinylbenzyl esters of succinic, glutaric, and adipic acids. G. N. Freidin and others. *Zhur. ob. khim.* 33 no. 3:934-938 Mr '63.

VINYL COMPOUNDS—ABSORPTION SPECTRA

Infrared spectra of complexes formed by vinyl ethers of phenol, o-aminophenol, and aniline with stannic chloride. M. F. Shostakovskii and others. *Dokl. AN SSSR* 149 no. 4:862-864 Ap '63.

VINYL POLYMERS

Kupisova, O. B., and L. P. Tikhonova. [Bindings made of polyvinyl chloride; a survey of Russian and foreign literature] *Pereplety iz polivinilkloridnoi plastmassy; obzor otechestvennoi i inostrannoi literatury*. Moskva, 1960. 53 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut poligraficheskoi promyshlennosti. Informatsionnye materialy, no. 23)

[MICROFILM]

VIOLAXANTHIN

Mechanism of the change in violaxanthin content during the light reaction of chloroplasts. V. S. Saakov. *Dokl. AN SSSR* 148 no. 6:1412-1414 F '63.

VIRGIN TERRITORY—AGRICULTURAL WORKERS

Virgin land, 1962. . . . Mikhail Vershinin. *Kul't. i zhizn'* 6 no. 9:8-12 '62.

VIRGIN TERRITORY—AGRICULTURE

Virgin land farmer is a proud name! V. Spitsyna. *Komsom. zhizn'* no. 3:24-25 F '63.

VIRGIN TERRITORY—EARTHWORK

We use the earth-working machine efficiently. I. I. A. Get'man. *Transp. stroit.* 13 no. 2:36 F '63.

VIRGIN TERRITORY—FIELD MICE

Effect of the steppe vole *Lagurus lagurus* Pall. on soils [with summary in English]. B. D. Abaturv. *Pochvovedenie* no. 2:95-100 F '63.

VIRGIN TERRITORY—NEWSPAPER AND PERIODICAL CIRCULATION

Potentials of the Virgin Territory. Zh. Izbasov. *Raspr. pech.* no. 3:3-4 Mr '63.

VIRGIN TERRITORY—RURAL CONDITIONS

Levchenko, I. N. [Without a return ticket] *Bez obratnogo bileta*. Moskva, Izd-vo "Znanie," 1962. 93 p. (Prochti, tovarishchi!)

VIRGIN TERRITORY—SOILS

Effect of the steppe vole *Lagurus lagurus* Pall. on soils [with summary in English]. B. D. Abaturv. *Pochvovedenie* no. 2:95-100 F '63.

VIRUS RESEARCH

Attack against virus. R. I. Salganik. *Kul't. i zhizn'* 6 no. 9:20-21 '62.

VIRUSES

Molecules which contaminate. D. M. Gol'dfarb. *Zdorov'e* 9 no. 2:10-11 F '63.

VISCERA—DISEASES

Movchanova, L. K., and E. A. Usharova. [Home care of patients suffering from diseases of the internal organs] *Ukhod za bol'nymi na domu pri zabolevaniakh vnutrennikh organov*. 2., izd. Leningrad, Medgiz, 1963, 31 p. (DNLM)

VISCOSE—ELECTRIC PROPERTIES

Study of the electrokinetic properties of viscose pulp in relation to iron compound solutions. S. S. Pozin, V. I. Iur'ev. *Zhur. prikl. khim.* 36 no. 2:385-390 F '63.

VISCOSIMETRY

Viscosity and electric conductivity of melts in the system magnesium oxide - silicon - aluminum oxide. R. A. Litnikov, L. M. TSylev. *Izv. AN SSSR, Otd. tekhn. nauk. Met. i gor. delo* no. 1:41-52 Ja-F '63.

VISCOSITY

Viscous flow in the sintering process in presence of a liquid phase [with summary in English]. Bohuslav Cech. *Porosh. met.* 3 no. 1:112-119 Ja-F '63.

VITAMINS—ANALYSIS

Changes of the vitamin B₁, B₂ and PP content during the preparation and storage of fish meal. V. I. Treshcheva. *Izv. vys. ucheb. zav. ipishch. tekhn.* no. 1:62-65 '63.

VITAMINS—D

When the useful becomes harmful. B. I. Ivanovskaya. *Zdorov'e* 9 no. 2:22 F '63.

VITEBSK—MACHINERY INDUSTRY

We should write a history of our factories and industrial plants. T. Morudov. *Komm. Bel.* 38 no. 5:73-74 My '62.

VITICULTURE see subdivision under Crimea; Maritime Territory; Ukraine

VITRUVIUS POLLIO

Vitruvius and Lucretius. V. I. Rabinovich. *Vop. filios.* 17 no. 3:130-133 '63.

VIVEKANANDA, SWAMI, 1863-1902

Swami Vivekananda; 1863-1902. E. Komarov. *Sov. Soluz* no. 1:53 '63.

VLADIMIR—TECHNOLOGICAL INNOVATIONS

Twenty lost years. R. Iarov. *Izobr. i rais.* no. 1:30-21 '63.

VNUKOVO—AIRPORTS

Five commandments. V. Vasil'ev. *Grazhd. av.* 20 no. 2: F '63.

VOCATIONAL EDUCATION

(see also subdivision under Estonia; Nizhneudinsk District; Tajikistan)

Complex production of a school. M. Kaziev. *Prof.-tekh. obr.* 20 no. 3:9-10 Mr '63.

General modeling. S. Khaustov. *Prof.-tekh. obr.* 20 no. 3:17 Mr '63.

General technical instruction in manual training. I. I. Kirsanov. *Shkola i proizv.* 6 no. 12:3-7 D '62.

Industrial training sections at a plant and in school. A. F. Kurepin. *Shkola i proizv.* 6 no. 11:12-14 N '62.

Let's give more attention to methodological work with instructors. I. M. Skukin. *Shkola i proizv.* 6 no. 12: 54-56 D '62.

Let's improve pedagogical training. I. Emel'onenko. *Prof.-tekh. obr.* 20 no. 3:19 Mr '63.

Let's trust the collective. L. Avdeev. *Prof.-tekh. obr.* 20 no. 3:23 Mr '63.

Methodology is the main thing. L. Danilova. *Prof.-tekh. obr.* 20 no. 3:20 Mr '63.

A program should be effective. I. Belkin. *Prof.-tekh. obr.* 20 no. 3:21 Mr '63.

Role of industrial excursions in the development of technical creativity in students. K. K. Tkachenko. *Rad. shk.* 41 no. 1:75-79 Ja '63.

Russia (1917- R. S. F. S. R.) *Ministerstvo prosveshchenia*. [Programs of secondary schools with vocational instruction; occupation of the senior Pioneer leader] *Programmy srednei shkoly s proizvodstvennyim charakterom; professiya - starshii pionerskii vozhatyj*. Moskva, Uchpedgiz, 1962. 140 p.

Study of appliances in school workshops. L. M. Fidei's. *Shkola i proizv.* 6 no. 11:20-34 N '62.

Study of machinery parts and mechanisms during practical training lessons. A. A. Polnikov. *Shkola i proizv.* 6 no. 12:37-42 D '62.

"Technical progress and new occupations"; "Technical progress and worker cadres in the construction industry" by V. V. Svetlov. Reviewed by V. I. Agodkin. *Prof.-tekh. obr.* 20 no. 3:31 Mr '63.

Technical school and young foremen. P. Reznik, I. Kondratenko, E. Shtokman. *Prof.-tekh. obr.* 20 no. 3:18 Mr '63.

University of culture in a technical school. G. I. Ileva. *Prof.-tekh. obr.* 20 no. 3:22-23 Mr '63.

Use of A. S. Makarenko's pedagogical legacy in vocational and technical schools. S. Kiselev. *Prof.-tekh. obr.* 20 no. 3:12-14 Mr '63.

Vocational trend of physical education. H. T. Raevskii. *Sred. spets. obr.* 10 no. 2:18-25 p '63.

Young efficiency promoters. R. Klamer. *Prof.-tekh. obr.* 20 no. 3:10 Mr '63.

VOCATIONAL EDUCATION—AUDIO-VISUAL AIDS

Manufacturing homemade models of machinery. M. I. Negrinovskii. *Shkola i proizv.* 6 no. 11:34-39 N '62.

VOCATIONAL EDUCATION—BIBLIOGRAPHY see Bibliography—Vocational education

VOCATIONAL EDUCATION—EXHIBITIONS see subdivisions under Moscow

VOLCANOES

(see also subdivision under Kurile Islands)

Development of volcanologic studies in the U.S.S.R. V. I. Vlodavets and others. *Geol. i geofiz.* no. 11:21-27 '62.

VOLCHANSK—SUPERSTITION

The "holy" cap. V. Ryznychenko. *Volov. atelst* 3 no. 1: 48-49 Mr '63.

VOLGA-BALTIC SEA WATERWAY

Unified deep-water system. A. Kolodnyi. *Ogonek* 40 no. 47:2-3 N '62.

VOLGA DELTA—PARASITES—BREAM

Bogdanova, E. A. [Parasites of young bream and wild carp in the fish spawning and rearing farms of the Volga Delta and their epizootic state] *Parazitofauna molodi leshcha i sazana norestovo-vyrasnykh kboziniaty del'ty Volgi i ikh epizooticheskoe sostoianie*. Leningrad, 1967. 71 p. (Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khoziaistva. Izvestia, vol. 43, no. 2) (With summary in German)

VOLGA DELTA—PARASITES—CARP

Bogdanova, E.A. [Parasites of young bream and wild carp in the fish spawning and rearing farms of the Volga Delta and their epizootic state] Parazitofauna molodi lishcha i sazana nerestovo-vyrastnykh khoz'iststv del'ty Volgi i ikh epizooticheskoe sostoyaniye. Leningrad, 1957. 71 p. (Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo rybnogo khoz'istva. Izvestia, vol.43, no.2) [With summary in German]

VOLGA HYDROELECTRIC POWER STATION (LENIN)

Continuators of the great initiative. E. Shtern. NTO 5 no.4:12-14 Ap '63.

VOLGA HYDROELECTRIC POWER STATION (LENIN)—DREISSENIDAE

Distribution of Dreissena polymorpha Pallas on the structures of the Volga Hydroelectric Power Station (Lenin). V.P. Mikheev. Biol. inst. biol. vodokhran no.12:32-33 '62.

VOLGA RESERVOIR—FRESHWATER FLORA

Production of macrophytes in the bays of Ivan'kovo Reservoir. V.A. Ekzertsev, V.V. Ekzertseva. Biol. inst. biol. vodokhran. no.12:11-15 '62.

VOLGA-URAL REGION—GEOLOGY, STRUCTURAL

Relation between the recent tectonic structure and the relief of the crystalline basement in the central and southern districts of the Volga-Ural Province. S.K. Gorelov, V.A. Klubov. Dokl. AN SSSR 148 no.6:1365-1367 F '63.

VOLGA VALLEY—ALGAE

Distribution of blue-green algae in the reservoir system of the lower Volga River. V.G. Strokina. Biol. inst. biol. vodokhran. no.12:3-6 '62.

VOLGA VALLEY—EVAPORATION

Water evaporation from soil and its cultivation in the trans-Volga region. D.I. Burov. Sbor. trud. po agron. fiz. no.10:88-96 '62.

VOLGA VALLEY—GEOLOGY, STRATIGRAPHIC

Moskvitin, A.I. [Pleistocene of the lower Volga Valley] Pleistotsen Nizhnego Povolzh'ia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 262 p. (Akademii nauk SSSR. Geologicheskii institut. Trudy, no.64)

VOLGA VALLEY—INLAND WATER TRANSPORTATION

On tomatoes, watermelons and water transportation. V. Evstigneev. Sov. potreb. koop. 7 no.4:28-30 Ap '63.

VOLGA VALLEY—OIL WELL CEMENTING

Vinarskii, M.S. [Methods for studying and plugging absorption beds; results achieved on oil fields in the Volga Valley portion of the Urals] Metody issledovaniia i izolirovaniia pogloshchaliushchikh plastov; opyt neflianykh razlomov Uralo-Povolzh'ia. Moskva, Gostoptekhizdat, 1963. 159 p.

VOLGA VALLEY—STONE IMPLEMENTS

Microsites of the upper Volga. N.N. Gurina. Kret. soob. inst. orkhcol. no.2:24-28 '62.

VOLGA VALLEY—TILLAGE

Water evaporation from soil and its cultivation in the trans-Volga region. D.I. Burov. Sbor. trud. po agron. fiz. no.10:88-96 '62.

VOLGOGRAD—AUDITING AND INSPECTION

What public control should be like? F. Medvedev, A. Vladimirov. Sov. profsoyuz 10 no.6:10-23 Mr '63.

VOLGOGRAD—DISTILLATION, FRACTIONAL

Using a redesigned atmospheric-vacuum pipe still in the Volgograd Petroleum Refinery. P.K. Zmievskii, G.M. Kusakina. Neftianik 8 no.1:31-32 Ja '63.

VOLGOGRAD—MACHINERY—MAINTENANCE AND REPAIR

Low expense and high-quality repair. G. Eliseev. Komsom. zhizn' no.13:5 Ji '62.

VOLGOGRAD—VETERANS

City and people. I. Gummer. Ogonek 41 no.6:16-17 F '63.

VOLGOGRAD PROVINCE—GEOLOGY, STRATIGRAPHIC

Distribution of microelements in the Permian sediments of Volgograd Province. V.F. Moklenko, V.Z. Mitrofanov. Dokl. AN SSSR 149 no.2:420-423 Mr '63.

VOLGOGRAD PROVINCE—TRACE ELEMENTS

Distribution of microelements in the Permian sediments of Volgograd Province. V.F. Moklenko, V.Z. Mitrofanov. Dokl. AN SSSR 149 no.2:420-423 Mr '63.

VOLGOGRAD RESERVOIR—OLIGOCHAETA

Oligochaetes of Volgograd Reservoir in the first year of its existence. N.G. Ekaterinskaya. Biol. inst. biol. vodokhran. no.12:26-29 '62.

VOLKOVYISK DISTRICT—AGRICULTURAL ADMINISTRATION

Weekdays of an inspector and party organizer. IU. Chubarov. Part. zhizn' no.7:47-49 Ap '63.

VOLLEYBALL

At a volleyball crossroad. Evgenii Birun. Smena 40 no.3:24-25 F '63.

VOLMA (STOLBYTS DISTRICT)—CLERKS (RETAIL TRADE)

The right path. E. Makovskii. Sov. potreb. koop. 7 no.4:13-14 Ap '63.

VOLOGDA—BOOKSELLERS AND BOOKSELLING

Photographic newspaper promotes books. B. Nepein. Sov. knizh. torg. 14 no.3:27 Mr '63.

VOLOGDA PROVINCE—TICKS

Distribution of the ticks Ixodes persulcatus and I. ricinus in Vologda Province [with summary in English]. D.S. Shepelev. Zool. zhur. 42 no.2:288-290 '63.

VOLTAGE REGULATORS

An improved voltage regulator bay. L.A. Spasskaya, M.I. Solovchik. Vest. aviatsi 23 no.1:12-14 Ja '63. Stabilized intermittent current-supply sources for semiconductor devices. IU.P. Rudnev. Avtom. i prib. no.1:66-70 Ja-Mr '63.

A transistorized d.c. voltage regulator in the ER-T-50 electronic controller. V.V. Pevzner. Energetik 10 no.6:20-22 Je '62.

Voltage regulator. Znan. ta pratsa no.1:30 Ja '63.

VOLYN GOVERNMENT—LAND TENURE

How Volyn Government peasants struggled for the carrying out of V.I. Lenin's land decree. D.A. Ocharin. Ukr. ist. zhur. 6 no.1:76-79 Ja-F '63.

VORONEZH—OPERA

Let kisses rain over Voronezh! L. Kafanova. Ogonek 41 no.6:10 F '63.

VORONEZH—POSTAL SERVICE

Organization of mail delivery operations in Voronezh. M.P. Rozanov. Vest. aviatsi 23 no.1:23-24 Ja '63.

VORONEZH PROVINCE—BANKS AND BANKING

The 1962 work results and our pledges. I. Khokhulin. Den. i kred. 21 no.3:35-38 Mr '63.

VORONEZH PROVINCE—FORAGE PLANTS

Supply each state farm with an economically sound structure for planting feed crops; using the example of state farms in Tambov and Voronezh Provinces. N.I. Popov. Dokl. i soob. VNIESKH no.13:106-119 '62.

VORONEZH PROVINCE—GYPSY MOTH

Effect on the growth of the oak of gypsy moth and other insects feeding on its leaves [with summary in English]. I.A. Turchinskaya. Zool. zhur. 42 no.2:248-255 '63.

VORONEZH PROVINCE—OAK—DISEASES AND PESTS

Effect on the growth of the oak of gypsy moth and other insects feeding on its leaves [with summary in English]. I.A. Turchinskaya. Zool. zhur. 42 no.2:248-255 '63.

VORONEZH PROVINCE—TITANIUM

Concentration of titanium in volcanic sedimentary formation of the Yastrebovo horizon in the southern part of Voronezh Province. V.A. Blinov. Geol. rud. mestorozh. 5 no.1:109-113 Ja-F '63.

VORONTSOV-VEL'AMINOV, BORIS ALEKSANDROVICH, 1904-

Awarding of the F.A. Bredikhin Prize. Vest. AN SSSR 33 no.3:126 Mr '63.

VOROSHILOVGRAD PROVINCE see Lugansk Province

VOTKINSK RESERVOIR—GEOCHEMISTRY

Chemical geography of the Kama portion of Perm-Saigatka (Votkinsk Reservoir). I.A. Pecherkin, IU.M. Matarzin. Khim. geog. no.1:71-80 '61. Chemical geography of the tributaries of Votkinsk Reservoir. O.K. Mikhailov. Khim. geog. no.1:81-91 '61.

VOVCHOK, MARKO, pseud. see Markovych, Mariia Oleksandriivna (Vilinskaya) 1834-1907

VRANCEA REGION, ROMANIA—SEISMOLOGY

Seismicity of the Vrancea region. E.A. Sagalova. Geofiz. sbor. no.1:68-74 '62.

VYBORG—ORNITHOSIS

Outbreak of ornithosis infection at a meat combine in Vyborg. L.A. Vishniakova, M.A. Bessonova. Trudy Len. inst. epid. i mikrobiol. 23:273-277 '61.

WAGES

Akademii nauk SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Real wages during the period of the general crisis of capitalism] Real'nain zarabotnaya plata v period obshchego krizisa kapitalizma. Moskva, Sotsekgiz, 1962. 558 p.

Concern for the bookseller; a change in the wage system. Sov. knizh. torg. 14 no.3:1 Mr '63.

Distribution in accordance with labor and public consumption funds. A. Chukhno. Vop. ekon. no.3:49-54 Mr '63.

From the editor's mail. Sots. trud 8 no.3:134-138 Mr '63.

In the State Committee on Problems of Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. Sots. trud 8 no.3:142-144 Mr '63.

Landin, E.I. [Workers' real wages and income] Real'nain zarabotnaya plata i dokhody trudiashticheskoin. Minsk, Izd-vo Akad. nauk BSSR, 1962. 158 p.

Mukhametov, G.Sh. [Wages under capitalism] Zarabotnaya plata pri kapitalizme. Moskva, Vysshaya shkola, 1963. 85 p. (Materialy k lektellam po politekonomii)

Vasenin, N.I. [Wages for the workers of state commerce] Oplata truda rabotnikov gosudarstvennoi torgovli. Moskva, Gostorgizdat, 1962. 65 p.

WAGES—ACCOUNTING

Analysis of the utilization of wage funds. N. Dembinskii, M. Kaufman. Bukh. uch. 20 no.2:38-42 F '63.

WAGES—BIBLIOGRAPHY see Bibliography—Wages

WAGES—COAL MINERS see subdivision under Donets Basin

WAGES—CONSTRUCTION WORKERS

(see also subdivision under Moscow Province) Bonuses for construction workers. E. Bobkov. Sov. profsoyuz 10 no.6:28-29 Mr '63.

WAGES—ELECTRIC EQUIPMENT INDUSTRY see subdivision under Gomel'

WAGES—FORESTS AND FORESTRY

Borodin, M.M., and others. [Work and wages for the workers of the forest economy and the lumbering industry] Trud i zarabotnaya plata rabotnikov lesnogo khoz'istva i lesnoi promyshlennosti. Moskva, Goslesbunizdat, 1962. 323 p.

Wages and awarding bonuses to workers in the forest economy. Sots. trud 8 no.3:139-141 Mr '63.

WAGES—IRON AND STEEL WORKERS see subdivision under Orsk

WAGES—LONGSHOREMEN

Show interest and concern in our integrated brigades. N. Krotov. Mor. flot 23 no.3:7-8 Mr '63.

WAGES—MACHINERY INDUSTRY WORKERS

(see also subdivision under Estori; Kramatorsk; Tashkent) Eliminate deficiencies in wages for workers in machinery manufacturing. A. Kosichkin. Sots. trud 8 no.3:82-85 Mr '63.

Individual and group wage systems in machinery manufacturing. E. Iarin. Sots. trud 8 no.3:73-75 Mr '63.

WAGES—TEXTILE WORKERS

Markov, N.N. [Wages in the textile industry enterprises] Oplata truda na predpriyatiakh tekstil'noi promyshlennosti. Moskva, Profizdat, 1962. 222 p.

WAGES—WOODWORKING INDUSTRIES

Wages and awarding bonuses to workers in the forest economy. Sots. trud 8 no.3:139-141 Mr '63.

WALLS

New type of wall slabs. S. Kvashnin and others. Stroi. i arkh. 10 no.7:12-14 Ji '62.

Partitions made of foamed silicate. Stroitel' 9 no.3:8-7 Mr '63.

Study of the strength of three-ply bearing wall slabs with heat insulation made of foamed keralt and foamed glass. S.A. Kegan. Sbor. trud. NIIZ Helezebetona no.5:162-161 '61.

Using industrial methods in finishing wall slabs. I. Zhifkin. Stroi. i arkh. 11 no.2:11-12 F '63.

WALNUT see subdivision under Bostandyk District; Kirghizistan

WAR

How the CPSU and the world communist movement have struggled against imperialist wars. V.V. Levin. Nov. i novish. ist. no.2:178-179 '63.

WAR CRIME TRIALS see subdivision under Estonia

WAR MEMORIALS see subdivision under Leningrad

WARNEMUEDE, GERMANY—SHIPBUILDING

Greetings from Warnemuende. Ogonek 41 no.3:1 Ja '63.

WARSAW—CIVIC IMPROVEMENT

Warsaw, 1962. Maksimilian Minkovskii. Ogonek 40 no.48:19 D '62.

WARSAW PACT, 1955

Manasov, M.A. [Friendship and cooperation of the peoples of the communist countries is a great power in the building of communism] Druzha i sotrudnichestvo narodov stran sotsializma - velikaia sila v bor'ba za kommunizm. Moskva, Izd-vo "Znanie," 1962. 30 p. (V pomoshch' lektoru)

[MICROFILM]

WASTE PAPER

Kuteinikov, F. F. [Paper stock and rag resources for the manufacture of paper and cardboard] Resursy makulatury i triap'ia dlia proizvodstva bumagi i kartona. Moskva, Goslesbuznizdat, 1962. 136 p.

WASTE PRODUCTS

Utilization of waste filtrate in the production of antibiotic feeds. V. P. Borisov, A. F. Gorbash. Sprit, prom. 29 no. 2:41 '63.

WATER

General characteristics of water solubility in silicate melts. I. A. Ostrovskii. Geol. rud. mestorozh. 5 no. 1: 34-35 Ja-F '63.

WATER—ABSORPTION SPECTRA

Infrared absorption spectra of water contained in the surface layers of electrode glasses [with summary in English]. A. A. Belustin. Vest. LGU 18 no. 4:171-174 '63.

WATER—ANALYSIS see subdivision under Kama Reservoir region

WATER—DISTRIBUTION see subdivision under Moscow; Petropavlovsk-Kamchatskiy

WATER—POLLUTION

(see also subdivision under Kama River)
Fate of radioisotopes in the bodies of water. E. A. Timofeeva-Resovskaya, B. M. Agafonov, M. V. Timofeev-Resovskii. Trudy Inst. biol. UFAN SSSR. no. 22: 49-57 '62.
With our colleagues. Nauka i zhizn' 29 no. 12:72-73 D '62.

WATER—PURIFICATION

(see also subdivision under Neva Bay)
Improvement of a method for wet storage of salt. D. G. Umrikhin. Energetik 11 no. 4:18-19 Ap '63.
Kluchko, V. A., and I. E. Apol'tsin. [Preparation of water for industrial and municipal water supply] Podgotovka vody dlia promyshlennogo i gorodskogo vodosnabzheniia. Moskva, Gos. izd-vo lit-ry po stroit., arkh. i stroit. materialam, 1962. 818 p.

WATER, UNDERGROUND

(see also subdivision under Donetsk Province; Kopet-Dag region; Orenburg Province; Soviet Far East)

Adabashiev, I. I. [Underground ocean] Podzemnyi okean. Moskva, Geografiz, 1962. 99 p. (Narodnaya biblioteka. Priroda i chelovek)

Approximate determination of the inflow of underground water to horizontal workings. V. I. Davidovich. Zap. LGI 44 no. 2:56-81 '62.

Basic concepts of N. F. Pogrebov in the field of hydrogeology, on the 100th anniversary of his birth. N. I. Tolstikhin. Zap. LGI 44 no. 2:3-8 '62.

Determining the unsteady radius of effectiveness in pumping artesian waters. E. E. Kerkis. Zap. LGI 44 no. 2: 51-55 '62.

Kats, D. M., and A. A. Konoplantsev. [Review of the study of underground water conditions in foreign countries] Obzor izucheniiia rezhima podzemnykh vod za rubezhom. Moskva, M-vo geologii i okhrany nedr SSSR, 1961. 36 p.

[MICROFILM]

Nosova, O. N. [Analysis of water loss from sandy soils] Raschet vododachi peschanykh gruntov. Moskva, Gosenergizdat, 1962. 115 p.

Prospecting for underground waters and their appraisal. N. D. Krasnopol'tsev. Mat. GKZ no. 2:13-25 '61.

Some possibilities of lowering the cost of lowering the water level. M. F. Khasin. Osn., fund. i mekh. grun. 5 no. 2:17-19 '63.

Structure and development of the flow of hydrothermal ore-forming systems [with summary in English]. G. L. Pospelov. Geol. i geofiz. no. 11:28-40 '62.

WATER, UNDERGROUND—ANALYSIS

(see also subdivision under Kara Kum)
Formation of chemical composition of karst waters. K. A. Gorbunova. Khim. geog. no. 1:59-63 '61.

WATER, UNDERGROUND—CLASSIFICATION see subdivision under Yakutia

WATER, UNDERGROUND—MAPS

Moscow. Vsesoluznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii. [Methodological handbook for making hydrogeological surveys on 1:50,000 and 1:25,000 scales] Metodicheskoe rukovodstvo po proizvodstvu gidrogeologicheskoi s'emki v masshtabakh 1:50,000 i 1:25,000. Moskva, Gosgeoltekhizdat, 1962. 370 p.

WATER CLOSETS

Plastic flush tanks. M. E. Borisov, R. G. Babushkina. Shor. trud. NIIST no. 12:5-26 '62.

WATER JET

Use of water-jet propellers in foreign countries (from foreign journals). M. F. Khramkin. Sudostroenie 29 no. 1:78-81 Ja '63.

WATER METABOLISM

Saline balance during acclimatization in a desert. P. A. Solomko. Sov. zdrav. Kir. no. 1:46-50 Ja-F '63.

WATER PIPES

Use of plastic pipes and steel pipes lined with plastic in piping for balneology. M. I. Ruzin. Shor. trud. NIIST no. 12:54-65 '62.

WATER RESOURCES DEVELOPMENT see subdivision under Fergana

WATER SPORTS see Aquatic sports

WATER-SUPPLY ENGINEERING

Mechanical water supply in public dining rooms. A. Bakatin. Sov. potreb. koop. 7 no. 4:59-60 Ap '63.

WATER TOWERS

Make more efficient use of water towers at compressor stations. K. Z. Piven'. Stroit. truboprov. 8 no. 2:12-13 F '63.

WATER TURBINES see Hydraulic turbines

WATER VAPOR

Kinetics of the catalytic exchange of deuterium between water vapor and hydrogen on various surfaces. M. L. Nakhmanovich and others. Dokl. AN SSSR 148 no. 6: 1346-1349 F '63.

WATERPROOFING

Use of a bitumen-latex emulsion and plastic concrete in supporting mine shafts. A. V. Lezhnev. Shakht. stroi. 7 no. 2:16-17 F '63.

Use of cold asphalt mastic in the construction of a cooling tower. V. P. Sirmals, D. A. Kutovoi. Prom. stroi. 40 [i. e. 41] no. 3:41-42 Mr '63.

Waterproofing the roadway of a bridge with divinylacetylene lacquer. E. Shtil'man, M. Leshchinskii, A. Barin-gol'ts. Prom. stroi. i inzh. soor. 4 no. 1:44-55 Ja-F '63.

Waterproofing with cold mastic. K. I. Rubin. Shakht. stroi. 7 no. 4:29-30 Ap '63.

WAVE GUIDES

Calculation of the transmission factor of three-waveguide directional couplers. S. M. Finkel'shtein. Izv. vys. ucheb. zav. radiotekh. 6 no. 1:64-71 Ja-F '63.

Characteristic impedance of an H-shaped metal-dielectric wave guide. E. M. Gutsait. Izv. vys. ucheb. zav. ; radiotekh. 6 no. 1:91-93 Ja-F '63.

Concerning a certain variational representation of the reflection coefficient of nonuniformities in wave guides. E. L. Burshtein. Radiotekh. i elektron. 8 no. 3:504-506 Mr '63.

Mikaelian, A. L. [Theory and applications of ferrites at super-high frequencies] Teoriia i primeneniie ferritov na sverkhvysokikh chastotakh. Moskva, Gosenergizdat, 1963. 662 p.

WAVE MECHANICS

Relation between classical mechanics and wave mechanics. I. U. P. Py'tev. Dokl. AN SSSR 149 no. 2:298-301 Mr '63.

WAVES

Dynamic elasticity moduli, rotation of the polarization plane of elastic waves, and coupled longitudinal-transverse waves in magnetically polarized metals [with summary in English]. K. B. Vlasov, B. N. Filippov. Zhur. eksp. i teor. fiz. 44 no. 3:922-933 Mr '63.

Internal waves in an ocean inhomogeneous with respect to density. B. A. Tarcev. Dokl. AN SSSR 149 no. 4: 827-830 Ap '63.

Principal features of wind waves and the swell of sub-surface horizons of a deep sea. E. Kh. Glukhovskii. Meteor. i gidrol. no. 3:21-29 Mr '63.

Using volumetric curves in a simplified calculation of the movement of a wave produced by the release of water in the lower pool of a hydroelectric power station. I. A. Zhelezniak. Meteor. i gidrol. no. 3:36-42 Mr '63.

WEATHER

Outstanding phenomena of the world's weather in 1962. N. V. Kolobkov. Meteor. i gidrol. no. 3:52-54 Mr '63.

WEATHER FORECASTING

Outlook for developing the synoptic method of long-range weather forecasting. I. U. B. Khrabrov. Meteor. i gidrol. no. 3:47-51 Mr '63.

WEATHER REPORTING, TELEVISION see subdivision under Kiev

WEATHERING

(see also subdivision under Siberian Platform; West Siberian Plain)

Alteration of clay rocks in weathering. V. D. Lomtadze. Zap. LGI 44 no. 2:118-124 '62.

Geological types of crusts of weathering. V. N. Razumova, N. P. Kherashkov. Dokl. AN SSSR 148 no. 0:1378-1381 F '63.

WEED CONTROL

(see also subdivision under Ukraine; Uzbekistan)

Studying the effect of light and aeration on the germination of weed seeds in soil. B. P. Goncharov, I. B. Rotut. Shor. trud. po agron. fiz. no. 10:22-26 '62.

WEED KILLERS see Herbicides

WEEVILS see subdivision under Ukraine

WEIGHING MACHINES

Hydraulic device for the weighing of charge components. A. R. Komarov. Lit. protzv. no. 1:8-10 Ja '63.

WEIGHT LIFTING

Role and substance of training methods in weight lifting with special emphasis on strengthening muscles. V. M. Zatsiorskii. Teor. i prak. fiz. kul't. 26 no. 2:24-25 F '63.

The strongest man in the world. A. Potemkina. Kul't. i zhizn' 6 no. 12:41-42 '62.

WEIGHTS AND MEASURES

Table for the conversion of British measures into metric ones. Bili, tekhn., ekon. inform. Tekh. upr. Min. mor. flota 7 no. 5:insert '62.

WEIGHTS AND MEASURES—TESTING

[Index of instructions, methodical directions and regulations on the inspection of measures and measuring instruments up to January 1, 1962] Ukazatel' instruktsii, metodicheskikh ukazani i pravil po poverke mer i izmeritel'nykh priborov; po sostoiianiu na 1/1 1962 gg. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 82 p.

WELDING

New phenomenon of plastic welding in the weld zone. B. I. Medovarov and others. Dokl. AN SSSR 148 no. 5: 1004 F '63.

Raise the level of welding technology! A. Fridman. Stroi. i arkh. Mosk. 12 no. 3:27-29 Mr '63.

WELDING—BIBLIOGRAPHY see Bibliography—Welding

WELDING—EQUIPMENT AND SUPPLIES

Re-equipping the SAK-2g machine for welding in a carbon dioxide atmosphere. O. L. Mirovich, I. A. Korshunov. Stroi. truboprov. 8 no. 2:16 F '63.

WELDING—PERIODICALS

Readers' conference in Kurgan. I. U. A. Denisov. Svar. proizv. no. 3:44 Mr '63.

WELDING—PRODUCTION STANDARDS

[Work standards based on technical data for welding engineering processes] Tekhnicheskoe normirovaniie tekhnologicheskikh protsessov v svarochnykh tsikhakh. [By] A. D. Gilevich i dr. Moskva, Mashgiz, 1962. 170 p.

WELDING—TESTING

Effect of the composition and the continuity of a joint metal on the quality of an enamel coating. I. G. Nikitin, K. V. Ljubavskii. Svar. proizv. no. 3:4-8 Mr '63.
Naumchenkov, N. E., and I. A. Minkov. [Fatigue strength of the joints in 30L steel castings made by electric-arc welding. Properties of metal deposited by GIAP-4 electrodes] Usloviastainaia prochnost' rozt-nenii litot stalii 30L, vypolnennykh elektrosvarnoi svarkoi. Svoistva metallia, napavlennogo elektrodami GIAP-4. [By] I. A. Zaks, Moskva, Filial Vser. in-ta nauchn. i tekhn. informatsii, 1962. 12 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 12, No. M-68-390/31)

Petrov, G. L. [Inhomogeneity of the metal in welded joints] Neodnorodnosti metallia svarnykh soedinenii. Leningrad, Sudpromgiz, 1963. 205 p.

WELDING, GAS see Gas welding and cutting

WEST GERMANY see Germany, West

WEST KAZAKHSTAN PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING

Anyone can become a machinery operator. V. Babitshev. Komsom. zhizn' no. 3:10-13 F '63.

WEST KAZAKHSTAN TERRITORY—COOPERATIVE SOCIETIES

If you know how to plan. F. Bukhgolter. Koop. Kazakh. 5 no. 1:19-21 Ja '63.

WEST SIBERIAN PLAIN—FAULTS (GEOLOGY)

Possibility of the manifestation of recent faulting in the modern relief of the central part of the West Siberian Plain. V. B. Polkanova. Trudy SNIIGGIMS no. 26:134-144 '62.

WEST SIBERIAN PLAIN—GEOLOGY

Geological development and facies of the eastern margin of the West Siberian Plain in the Jurassic and lower Cretaceous. N. I. Balbarovskii, N. Kh. Kulakovskii, N. N. Poplavskii. Trudy SNIIGGIMS no. 26:40-47 '62.

WEST SIBERIAN PLAIN—GEOLOGY, STRUCTURAL

Tectonic nature of the basement of the northern part of the West Siberian Plain [with summary in English]. K. V. Bogolepov. Geol. i geofiz. no. 12:22-39 '62.

WEST SIBERIAN PLAIN—LANDFORMS

Possibility of the manifestation of recent faulting in the modern relief of the central part of the West Siberian Plain. V. B. Polkanova. Trudy SNIIGGIMS no. 26:134-144 '62.

WEST SIBERIAN PLAIN—PALEOGEOGRAPHY

Elements of the paleogeography of the Mesozoic and Paleogene in the West Siberian Plain based on data from the analysis of diatoms and Coccolithophoridae. V.N. Vekshina. Trudy SNIIGGIMS no.26:46-61 '62.

WEST SIBERIAN PLAIN—WEATHERING

Ancient weathering surface of rocks in the Pre-Jurassic basement of the West Siberian Plain. V.V. Korotun. Trudy SNIIGGIMS no.26:77-93 '62.

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WETTING AGENTS

Comet preventing action of wetting agents in the coating of photographic emulsions. Part 5. Comet preventing action of acid esters of the sulfosuccinic acid and their effect on the kinetic wetting. S. M. Levi and others. Zhur. nauch. i prikl. fot. i kin. 8 no.2:87-91 Mr-Apr '63.

WHALE OIL

Method of processing sperm whale oil. A. A. Zinov'ev and others. Shor, izobr. v ryb. prom. za 1959 g. :85-87. Method of processing sperm whale oil. A. I. Rabinovich and others. Shor, izobr. v ryb. prom. za 1959 g. :84-86.

WHALES see subdivision under Antarctic regions

WHALES

Use of the protein tissue of the leaf fat of whales for the manufacture of gelatin. N. E. Nikolaeva. Izv. vys. ucheb. zav. pishch. tekhn. no.1:56-61 '63.

WHEAT

Determining the depth of the tillering nodes of winter wheat [with summaries in English, German, and French]. G. P. Laptsevich, V. S. Tsybul'ko. Vest. sel'khoz. nauki 7 no.12:111-116 D '62. Effect of soil characteristics, fertilizers, and wintering conditions on the metabolism in winter wheat. N. S. Avdonin, E. V. Kuzina. Pov. plod. pochv. nechernozem. pol. no.2:102-121 '62. Effectiveness of plowing turf-Podzolic soils for spring wheat with and without a moldboard. P. P. Zaov, G. E. Kozlov. Shor. trud. po agron. fiz. no.10:116-124 '62. Story of a wheat "bush." Aleksandr Popovskii. Nauka i zhizn' 29 no.12:40-44 D '62.

WHEAT—ANALYSIS AND CHEMISTRY

A new modification of sedimentation analysis [with summaries in English, German, and French]. M. M. Samsonov, A. N. Ryzhkova. Vest. sel'khoz. nauki 7 no.12:110-122 D '62.

WHEAT—TESTING

Effect of the hydrothermal treatment of wheat under a vacuum on its technological characteristics. I. U. S. Chedneva. Izv. vys. ucheb. zav. pishch. tekhn. no.1:45-49 '63.

WHEAT—VARIETIES

(see also subdivision under Iraq)

Determining the heat resistance of spring wheat varieties [with summaries in English, German, and French]. T. V. Oleinikova. Vest. sel'khoz. nauki 7 no.12:95-100 D '62.

Prutskova, M. G., and O. I. Ukhanova. [Winter wheat "Bozostala I"] Oziroma pelenitisa Bozostala 1. Moskva, Sel'khozizdat, 1962. 93 p. (DNL)

WHEAT BREEDING

World resources of early spring wheat as initial breeding material [with summaries in English, German, and French]. M. M. Akubelner. Vest. sel'khoz. nauki 7 no.12:7-18 D '62.

WHEELS

Rolling of driven wheel. A. F. Poletayev. Trakt. i sel'khoz. mash. 33 no.2:5-7 F '63.

WHITE RUSSIA—AGRICULTURAL ADMINISTRATION

Main direction of our work. P. Podobaev. Komm. Bel. 37 no.1:28-31 Ja '63.

WHITE RUSSIA—AGRICULTURE

Let this year be a turning point in the development of White Russian agriculture. Komm. Bel. 36 no.5:8-12 My '62.

WHITE RUSSIA—COMMUNIST PARTY OF THE SOVIET UNION

The Communist Party of White Russia in figures, 1959-1961. Komm. Bel. 36 no.5:54-61 My '62.

In the Institute of the History of the Communist Party attached to the Central Committee of the Communist Party of White Russia. N. V. Kamenskaja. Vop. ist. KPSS 7 no.3:145-148 Mr '63.

Plenum of the Central Committee of the Communist Party of White Russia. Komm. Bel. 37 no.1:2 Ja '63.

WHITE RUSSIA—COMMUNIST YOUTH LEAGUE

Petrashkevich, A. L. [The Communist Youth League of White Russia in the seven-year plan] Komsomol Belorussii v semiletke. Minsk, Izd-vo M-vo vysshego, srednego spets. i prof. obrazovanii BSSR, 1962. 104 p. (CSH-H)

WHITE RUSSIA—ECONOMIC CONDITIONS

"Postwar efforts of the Communist Party of White Russia to restore and develop White Russian industry, 1946-1959" by Matishenko. Reviewed by T. Solodkov. Komm. Bel. 37 no.1:73-75 Ja '63.

With long strides; figures and facts. Komm. Bel. 37 no.1:53-54 Ja '63.

WHITE RUSSIA—ECONOMIC POLICY

Fifth year of the seven-year plan. Komm. Bel. 37 no.1:9-13 Ja '63.

New leadership system in the economy. Komm. Bel. 37 no.1:36-38 Ja '63.

Production principle in the organization of party organs. N. Mishchenko. Komm. Bel. 37 no.1:32-35 Ja '63.

WHITE RUSSIA—EDUCATION

"Efforts of the Communist Party of White Russia to carry out the cultural revolution" by P. P. Silivanchik. Reviewed by N. Natiyevskii. Komm. Bel. 36 no.5:67-70 My '62.

WHITE RUSSIA—EFFICIENCY, INDUSTRIAL

Expand and intensify the struggle for communist labor. V. Aleksh'vich. Komm. Bel. 37 no.1:33-43 Ja '63.

WHITE RUSSIA—FIRES AND FIRE PREVENTION

Need for strict inspection. V. Tocheznova. Pozh. delo 9 no.2:28 F '63.

WHITE RUSSIA—HISTORICAL RESEARCH

In the Institute of the History of the Communist Party attached to the Central Committee of the Communist Party of White Russia. N. V. Kamenskaja. Vop. ist. KPSS 7 no.3:145-148 Mr '63.

WHITE RUSSIA—HISTORY

"History of the White Russian S.S.R. in two volumes." Reviewed by I. L. Bachilo, A. F. Smirnov. Vop. ist. 38 no.3:120-125 Mr '63.

WHITE RUSSIA—INDUSTRIAL BUILDINGS

In the Central Committee of the Trade Union of Workers of the Petroleum and Chemical Industries. B. K. Sedunov. Neftianik 8 no.1:27-28 Ja '63.

WHITE RUSSIA—LAND TENURE

"Agrarian question and the peasant movement in White Russia during the Revolution of 1905" by K. I. Shabunin. Reviewed by N. Kamenskaja, L. Abetsedarskii. Komm. Bel. 37 no.1:68-72 Ja '63.

WHITE RUSSIA—POLITICS AND GOVERNMENT

A little about everything. Komm. Bel. 36 no.5:76-79 My '62.

WHITE RUSSIA—RESTAURANTS, LUNCHROOMS, ETC.

State farm and a public dining room. E. Skorobogatichenko. Sov. potreb. koop. 7 no.4:25-27 Ap '63.

WHITE RUSSIA—RETAIL TRADE

Role of volunteers in the improvement of retail trade. M. Sokolova. Komm. Bel. 37 no.1:44-48 Ja '63.

WHITE RUSSIA—REVOLUTION, 1917-1921

Ignatenko, I. M. [Cooperation of the poor peasants with the White Russian proletariat in the struggle for the victory of the October Revolution, 1917-1918] Bedneishche krest'ianstvo - soluznik proletariata v bor'be za pobedu Oktjabr'skoi revoliutsii v Belorussii, 1917-1918 gg. Minsk, Izd-vo M-va vysshego, erodnogo spetsial'nogo i professional'nogo obrazovanii BSSR, 1962. 497 p.

"The struggle of the workers of the Lithuanian-White Russian S.S.R. with the forces of foreign intervention and internal counterrevolution, 1919-1920" by E. N. Shklier. Reviewed by V. Dorogin. Komm. Bel. 37 no.1:75-77 Ja '63.

WHITE RUSSIA—REVOLUTION OF 1905

"Agrarian question and the peasant movement in White Russia during the Revolution of 1905" by K. I. Shabunin. Reviewed by N. Kamenskaja, L. Abetsedarskii. Komm. Bel. 37 no.1:68-72 Ja '63.

WHITE RUSSIA—SPORTS

Joint work of schools and collective farms of White Russia in the field of physical culture. V. P. Afanas'ev. Teor. i prak. fiz. kul't. 26 no.2:38-40 F '63.

WHITE RUSSIA—STATE FARMS

State farm and a public dining room. E. Skorobogatichenko. Sov. potreb. koop. 7 no.4:25-27 Ap '63.

WHITE RUSSIA—STATISTICS

White Russia. Statisticheskoe upravlenie. [The national economy of White Russia; statistical abstract] Narodnoe khoziaistvo BSSR; statisticheski sbornik. Minsk, Gos. izd-vo BSSR. Red. Sotaini'no-ekon. lit-ry, 1963. 510 p.

WHITE RUSSIA—STOCK AND STOCKBREEDING

Important factor in the development of a communal economy. V. Bol'shakova, I. Ruch'eva. Komm. Bel. 36 no.5:24-28 My '62.

WHITE RUSSIA—TECHNOLOGICAL INNOVATIONS

Powerful source of creative activity. I. Makarov. NTO 5 no.4:21-23 Ap '63.

WHITE SEA—MARINE BIOLOGY

Virgin soil untouched. O'lga Zhukova. Ogonek 40 no.47:24 N '62.

WHOOPING COUGH

Bacteriological diagnosis of whooping cough using casein-carbon agar and some biological properties of local Hemophilus pertussis strains. V. A. Frlauf, E. M. Gurdzhintants, V. P. Gushchina. Zdrav. Turk. 6 no.6:7-11 N-D '62.

WILL

Pedagogical guidance of the self-training of the adolescent's will. L. I. Ruvinskii. Dokl. APN 6 no.6:31-34 '62.

WILNO see Vilnius

WINCHES

Hoister for hauling purse seines and other fishing equipment. V. M. Kirillov. Shor, izobr. v ryb. prom. za 1959 g. :31-32.

Roller for hauling drift nets. B. V. Shepot'ko, V. P. Ivashev. Shor, izobr. v ryb. prom. za 1959 g. :36-37.

WIND INSTRUMENTS—INSTRUCTION AND STUDY

Dikov, B. A. [Instructions for those learning to play wind instruments] Metodika obucheniia igre na dukhovnykh instrumentakh. Moskva, Muzgiz, 1962. 115 p.

WIND TUNNELS

Horse in the wind tunnel. I. U. Kalinin. Znanie-sila 38 no.1:8-9 Ja '63.

WINDBREAKS, SHELTERBELTS, ETC.

Foresters discuss protective tree planting. V. P. Gromeka and others. Put' i put. khoz. 7 no.4:38-39 '63.

WINDOW DRESSING see Show windows

WINDOWS

New design of window casements. I. Kleimenov. Stroif. i arkhit. 10 no.7:33 J1 '62.

WINDS

(see also subdivision under Mirny Station, Antarctica)

Determining the initial wind and pressure fields from the distribution of temperatures and the vertical motions of air. E. N. Blinova. Dokl. AN SSSR 149 no.4:824-826 Ap '63.

Wind profile of the troposphere. I. M. Kravchenko. Izv. AN SSSR. Ser. geofiz. no.3:498-499 Mr '63.

WINE AND WINE MAKING see subdivision under Crimea

WINE AND WINE MAKING—ANALYSIS

Intensity of the flavor and organoleptic characteristics of some bouquet-forming substances of cognac and wines. I. M. Skurikhin. Izv. vys. ucheb. zav. pishch. tekhn. no.1:82-87 '63.

WINTER

Winter spaces. G. Gunn. Smena 39 no.24:8-9 D '62.

WINTER SPORTS

(see also subdivision under Caucasus; Terskol)

Champions hold their ground. V. Egorov. Sov. Soizuz 2:53 '63.

Some results of the analysis of the methods for training athletes for the First Winter Spartakiad of the peoples of the U.S.S.R. V. I. Chudinov. Teor. i prak. fiz. kul't. 26 no.2:20-31 F '63.

WIRE BROADCASTING

Requirements of rural wire broadcasting workers. T. I. Popkov. Vest. svyazi 23 no.1:8 Ja '63.

WIRE ROPE

Savin, G. N., and O. A. Goroshko. [Dynamics of a wire of varying length, used in mine hoists] Dinamika niti poromennoi dliny; primentel'no k shakhtnym pod'emam. Kiev, Izd-vo Akad. nauk USSR, 1962. 331 p.

WITTE, SERGEI IUL'EVICH, Graf, 1849-1915

Critical evaluation of the reminiscences of S. I. Witte; as related to his sociopolitical articles published from 1907 to 1915. B. V. Anan'ich, R. Sh. Ganelin. Trudy LOH AN SSSR no.5:298-374 '63.

WOLFF, WILHELM, 1809-1884

Smirnova, V. A. [Wilhelm Wolff, the man to whom Marx dedicated his "Capital"] Vil'gol'm Vol'f - chelovek kotoromu Marks posviatil "Kapital." Moskva, Sotsekgiz, 1963. 162 p.

WOMEN

(see also subdivision under Chile; Kalinin; Leningrad)

Gromova, G. M. [Soviet woman as a worker and mother] Sovetskaiia zhenshchina - truzhenitsa, mat'. [Moskva] Profizdat, 1963. 61 p.

International Women's Day, March 8, 1963; figures and facts. Polit. samoochr. 7 no.2:114-118 F '63.

News from abroad. Reboinita no.1:22-23 Ja '63.

- WOMEN—EMPLOYMENT**
(see also subdivision under Austria; Dakar; Paris; Poland; Taganrog; Uzbekistan)
- Appeal of the World Federation of Trade Unions in connection with the convocation of the Second International Trade-Union Conference on the Problems of Working Women. *Vsem. prof. dvizh.* no. 3:17-18 Mr '63.
- On the occasion of the International Women's Day. I. L'vov, E. Popok, A. Dlugach. *Sov. torg.* 36 no. 3: 23-26 Mr '63.
- Peaceful crossroad. G. Frolov. *Ogonek* 41 no. 7:20-22 F '63.
- Readers! Participate in the preparation for the Second Conference on the Problems of Working Women. *Vsem. prof. dvizh.* no. 3:24 Mr '63.
- Sow an action and you will reap fate. T. Ilatovskaya. *Smena* 39 no. 19:8-9 O '62.
- WOMEN—HEALTH AND HYGIENE**
Dik, V. G. [Prevention of women's diseases and their treatment at health resorts] *Preduprezhenie zhen-skikh boleznei i lechenie ikh na kurortakh.* Moskva, Medgiz, 1963. 29 p.
(DNLM)
- WOMEN—RIGHTS OF WOMEN**
A woman, and she is afraid of her husband. N. Gordienko. *Nauka i rel.* 4 no. 3:66-68 Mr '63.
- WOMEN, MOHAMMEDAN**
"Islam and women." M. Kubataeva. *Bibliotekar'* no. 3: 35-37 Mr '63.
- WOMEN AND PEACE** see subdivision under United States
- WOMEN AND RELIGION**
Questions and answers. *Nauka i rel.* 4 no. 3:95 Mr '63.
- Women and religion. *Volov. ateist* 3 no. 3:2-4 Mr '63.
- "Women and religion" by K. P. Rudenko. Reviewed by V. Dzheva. *Volov. ateist* 3 no. 3:51 Mr '63.
- WOMEN AS ATHLETES**
Doctor and champion in sports. A. Reznikov. *Voen. znan.* 39 no. 2:29 F '63.
- Women's nature. Lidia Borodina. *Ogonek* 41 no. 10: 18 Mr '63.
- WOMEN AS JUDGES**
Sounds of the night. V. Komarov. *Sov. iust.* no. 0:24-26 Mr '63.
- WOMEN AS MUSICIANS**
Stars are rising in Moscow. A. Rubinov. *Rabotnitsa* 40 no. 6:24 Je '62.
- WOMEN IN AERONAUTICS**
[In the sky above the front lines] V nebe frontovom; sbornik vospominaniy sovetskikh letchits - uchastnits Volikol Otechestvennoi voyny. [Moskva] Izd-vo "Molodaya gvardiya," 1962. 295 p.
- Sails over the "silt." B. Semenov. *Smena* 40 no. 5:11 Mr '63.
- WOMEN IN PUBLIC LIFE** see subdivision under Dnepropetrovsk; Yemen
- WOOD**
Radiophotography of wood from the area affected by the fall of the Tunguska meteorite. I. U. M. Ensl'yanov, V. I. Nekrasov. *Dokl. AN SSSR* 148 no. 6:1418-1421 F '63.
- WOOD—PRESERVATION**
Kalinina, Arvids. [Preservation of wood] *Konservirovaniye drevessiny.* Moskva, Goslesbumizdat, 1962. 143 p.
- WOOD—TESTING**
Ivanov, A. I. [Machines and apparatus for the mechanical testing of wood and wooden materials] *Mashiny i pribory dlia mekhanicheskikh ispytaniy drevessiny i drevessnykh materialov.* Moskva, Goslesbumizdat, 1962. 108 p.
- WOOD, COMPRESSED**
(see also subdivision under Kharitsyzsk)
- Denislenko, V. V. [Using wooden sliding-friction parts in machinery] *Primeneniye v mashinakh drevessnykh detalей skolyzashchego treniya.* Moskva, Goslesbumizdat, 1962. 67 p.
- WOOD ALCOHOL** see Methanol
- WOOD CARVING, LATVIAN**
Latvian wood sculpture. Galina Karklin'. *Izvestiya* 26 no. 1:37-43 '63.
- WOOD-DECAYING FUNGI** see subdivision under Khoper Preserve; Ukraine
- WOOD FINISHING**
Buglai, B. M. [Technology of wood finishing] *Tekhnologiya otdelki drevessiny.* Moskva, Goslesbumizdat, 1962. 349 p.
- WOOD-USING INDUSTRIES**
Striving to carry out the plan of the fifth year of the seven-year period. *Les. prom.* 41 no. 1:1-3 Ja '63.
- WOOD WASTE** see subdivision under Solikamsk
- WOOD WASTE—PRICES**
Centralize the control of the prices of wood waste. A. V. Chirkov. *Les. prom.* 41 no. 1:14 Ja '63.
- WOODPULP**
Hornbeam wood as raw material for the manufacture of semichemical pulp. P. A. Medvedev, L. F. Pozhidayeva. *Bum. prom.* 36 no. 3:9-11 Mr '63.
- Veregin, L. Z. [Manufacture of semiprocessed products from deciduous wood] *Proizvodstvo polufabrikatov iz listvennoi drevessiny.* Moskva, Goslesbumizdat, 1962. 116 p.
- WOODPULP INDUSTRY**
For the fulfillment of the fifth year assignment of the seven-year plan ahead of time. *Bum. prom.* 38 no. 3: 6 Mr '63.
- From foreign journals. *Bum. prom.* 38 no. 3:32 Mr '63.
- Kutebnikov, F. F. [Paper stock and rag resources for the manufacture of paper and cardboard] *Resursy makulatury i trian'ia dlia proizvodstva bumagi i kartona.* Moskva, Goslesbumizdat, 1962. 136 p.
- Make provisions for the fastest adoption of soluble bases in the sulfite pulp production. *Bum. prom.* 38 no. 3: 1-2 Mr '63.
- Moscow. Tsentral'nyi institut tekhnicheskoi informatsii i ekonomicheskikh issledovaniy po lesnoi, bumazhnoi i derevobrabatyvalushchei promyshlennosti. [Automatization of woodpulp and paper production] *Avtomatizatsiya tsellulozno-bumazhnogo proizvodstva; sbornik statei.* Moskva, 1962. 47 p. (Bumaga i tselluloza)
- [MICROFILM]
- Over-all utilization of reeds. S. P. Foteev, K. I. Shumenko, E. I. A. Favorskaya. *Bum. prom.* 38 no. 3:7-9 Mr '63.
- Zhitkov, A. V. [Wood preparation for the manufacture of cellulose and woodpulp] *Podgotovka drevessiny dlia proizvodstva tsellulozy i drevessnoi massy.* Moskva, Goslesbumizdat, 1962. 132 p.
- WOODPULP INDUSTRY—BIBLIOGRAPHY** see Bibliography—Woodpulp Industry
- WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES**
Gel'man, A. A. [Hoisting and conveying systems in the woodpulp, paper, and woodworking industries] *Gruzopod'emnye i transportnye ustroystva v tsellulozno-bumazhnoi i derevobrabatyvalushchei promyshlennosti.* Moskva, Goslesbumizdat, 1962. 448 p.
- [Technology and equipment of the papermaking and printing industry] *Ref. zhur. Tekh. i obr. bumagodel. i poligr. proizv.* no. 4 Ap '63.
- WOODWORK**
Modin, N. A., and V. D. Lyuboslavskii. [Boring holes and cutting sockets in wood] *Sverlenie otverstii i frezirovaniye gnezd v drevessine.* Moskva, Goslesbumizdat, 1962. 131 p.
- WOODWORK—STUDY AND TEACHING**
Excursion to a woodworking plant. S. D. Razumov. *Shkola i proizv.* 6 no. 11:40 N '62.
- WOODWORKING INDUSTRIES—EQUIPMENT AND SUPPLIES**
Gel'man, A. A. [Hoisting and conveying systems in the woodpulp, paper, and woodworking industries] *Gruzopod'emnye i transportnye ustroystva v tsellulozno-bumazhnoi i derevobrabatyvalushchei promyshlennosti.* Moskva, Goslesbumizdat, 1962. 448 p.
- WOODWORKING INDUSTRIES—FINANCE**
Kogtev, P. N. [Financial plan of a woodworking enterprise] *Finansovyi plan derevobrabatyvalushchego predpriyatiya.* Moskva, Goslesbumizdat, 1962. 105 p.
- WOODWORKING MACHINERY**
Lur'e, L. Z. [New methods for butting lumber] *Novyye metody torisovki pilomaterialov.* Moskva, Goslesbumizdat, 1962. 32 p.
- Pechatnikov, M. I. [Handbook for machine operators in the furniture industry] *Posobie dlia rabochikh-stanochnikov mebel'nogo proizvodstva.* Moskva, Goslesbumizdat, 1962. 92 p.
- Simson, I. I. [Woodcutting tools with increased sturdiness and safety characteristics] *Derevozrezhushchie instrumenty povyshennoi bezopasnosti i stolkostoi.* Leningrad, 1962. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen perezodovym opytom. Seriya: Derevobrabatyvalushchaya promyshlennost', no. 8)
- WOODWORKING MACHINERY—SAFETY APPLIANCES**
Vinogradov, E. G. [Safety measures in the mechanical processing of wood] *Tekhnika bezopasnosti pri mekhanicheskoi obrabotke drevessiny. Pod obshchei red. N. A. Smirnova.* Leningrad, Leningr. dom nauchno-tekhn. propagandy, 1962. 37 p. (Bibliotekha stroitelstva po tekhnike bezopasnosti, no. 4)
- WOODY PLANTS** see subdivision under Tashkent
- WOOL INDUSTRY**
Good preparation is the basis for the success of wool purchasing. I. Bakanenkov. *Sov. potrebn. koop.* 7 no. 4:41-44 Ap '63.
- WOOL INDUSTRY—FINANCE** see subdivision under Suraya Kupavna
- WORK**
Attitude toward work as the first requirement of life is the most important trait of the members of a communist society. G. S. Batlachev. *Nauch. dokl. vys. shkoly: filos. nauk* 6 no. 1:13-21 '63.
- Changing nature of labor and the all-round development of the individual [with summary in English, p. 181]. G. P. Kozlova, Z. I. Fainburg. *Vop. filos.* 17 no. 3:55-62 '63.
- Developing a scientifically based work and rest schedule. S. Kostlov. *Sots. trud* 8 no. 3:84-88 Mr '63.
- Dubrovskii, I. F. [Sacred obligation] *Svyashchennaya obiazannost'. [Tumbov] Tumbovskoe knizhnoe izd-vo, 1962. 23 p. (Besedy o moral'nom kodekse stroitelstva kommunizma)*
- General features of a communist attitude toward work and the ways of its development; some results of a theoretical conference in Krasnoyarsk. A. M. Gendin. *Nauch. dokl. vys. shkoly: filos. nauk* 6 no. 1:151-159 '63.
- Silayev, N. E. [Aesthetics of work] *Estetika truda.* Moskva, Izd-vo "Iskusstvo," 1962. 88 p.
- "Unique man" by V. Sukhomlinskii. Reviewed by M. Zhernovskii. *Sov. Ukr.* 13 no. 1:184-185 Je '61.
- WORK—EXHIBITIONS**
Impressions of an eyewitness. A. A. Beleva. *Zdrav. Rza. Feder.* 7 no. 3:44-46 Mr '63.
- WORK—PSYCHOLOGICAL ASPECTS**
Communism and the development of the scientific attitude in the individual in regard to work [with summary in English]. T. M. Davtov. *Vest. LGU* 18 no. 5:46-54 '63.
- WORK BOATS**
Keeping guard. P. Karpenko. *Part. zhizn'* no. 7:60-61 Ap '63.
- WORK CLOTHES**
Clothes for working people. L. Polypenko. *Nauka i tekhnika* 12 no. 1:30 Ja '63.
- Problemy rabochikh ugol'noi promyshlennosti. Tsentral'nyi komitet. [Work clothes for workers and employees in the enterprises of the coal and the slate industries] *Spetsodezhda dlia rabochikh i sluzhashchikh predpriyatiy ugol'noi i slanzolvoi promyshlennosti.* Moskva, Gosgortekhtizdat, 1963. 331 p.
- WORKINGMEN'S CLUBS** see subdivision under Azerbaijan
- WORKSHOPS—EQUIPMENT AND SUPPLIES**
Study of appliances in school workshops. L. M. Fidelev. *Shkola i proizv.* 6 no. 11:29-34 N '62.
- WORLD COUNCIL OF CHURCHES**
Meeting of the Central Committee of the World Council of Churches in Paris. I. A. I. Zhidkov. *Brat. vest.* no. 5:6: 18-20 '62.
- WORLD FEDERATION OF TRADE UNIONS**
International conferences and meetings attended by the World Federation of Trade Unions in the second half of 1962. *Vsem. prof. dvizh.* no. 1:51-52 Ja '63.
- The key to the problem is unity! Louis Saillant. *Vsem. prof. dvizh.* no. 1:1-2 Ja '63.
- Meet, consult and cooperate. Louis Saillant. *Vsem. prof. dvizh.* no. 1:18-21 Ja '63.
- The 20th Session of the Executive Committee of the World Federation of Trade Unions. Robert Hernio. *Vsem. prof. dvizh.* no. 3:1-3 Mr '63.
- WORLD HISTORY**
"History of the international labor and national liberation movement." Vol. 2 (1917-1939). Reviewed by G. O. Kuranov. *Nov. i noveish. ist.* no. 2:148-150 '63.
- WORLD POLITICS**
Brief news. *Mir. ekon. i mezhdunar. otn.* no. 3:116-121 '63.
- Brief news on international events. *Nov. vrem.* 20 no. 14:32 Ap '63.
- Brief news on international events. *Nov. vrem.* 20 no. 15:32 Ap '63.
- Brief news on international events. *Nov. vrem.* 20 no. 16:32 Ap '63.
- How the CPSU and the world communist movement have struggled against imperialist wars. V. V. Levin. *Nov. i noveish. ist.* no. 2:178-179 '63.
- International notes. *Nov. vrem.* 20 no. 14:26-28 Ap '63.
- International notes. *Nov. vrem.* 20 no. 15:22-24 Ap '63.
- International notes. *Nov. vrem.* 20 no. 16:22-24 Ap '63.
- Let's show wisdom and live in peace. *Sov. Soluz* no. 10: 1 '62.

WORLD POLITICS (Continued)

Meinychuk, I. S. [To serve the truth] Praydi sluzhyty. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1992. 156 p.
"NATO, the entangling alliance" by Robert Endicott Osgood; "The politics of western defence" (both in English) by F. W. Mulley. Reviewed by G. Gerasimov. Mir. ekon. i mezhdunar. otn. no. 3:136-138 '63

Principal characteristics of the present-day phase of the national liberation movement. V. Gavriluk. Komm. Bel. 36 no. 5:29-36 My '62.

"Reportage from a foreign country" by Nikolai Filimonov. Reviewed by V. Vasiluk. Komm. Bel. 37 no. 1:78-80 Ja '63.

[Some problems of the new program of the CPSU] O nekotorykh voprosakh novoi programmy KPSS. Moskva, Gospolitizdat, 1962. 214 p.

The test of history. Rene Andrieux. Ogonek 40 no. 40: 4-5 N '62.

This is what their week was like. Kherluf Bidstrup, Gerhard Hansel, G. Dad'mants. Ogonek 41 no. 4:6-7 Ja '63.

"Western unity and the Common Market" by Walter Lippmann. Reviewed by N. N. Inozemtsev. Mir. ekon. i mezhdunar. otn. no. 3:63-80 '63.

What is the "gambit policy"? A. Ignat'ev. Mezhdunar. zhizn' 10 no. 4:155-157 Ap '63.

"Why not victory?" [In English] by Barry M. Goldwater. Reviewed by G. Ushakov. Nov. vrem. 20 no. 15:30-31 Ap '63.

"Why the conflict between the West and the Soviet Union?" [In French] by Bernard Lavergne. Reviewed by N. Molchanov. Mezhdunar. zhizn' 10 no. 4:133-135 Ap '63.

World news. Mezhdunar. zhizn' 10 no. 4:111-121 Ap '63.

WORLD POLITICS—BIBLIOGRAPHY see Bibliography—World politics

WORLD WAR, 1939-1945

(see also subdivision under Belgrade; Black Sea; Czechoslovakia; Europe; Eastern France; Greece; Italy; Japan; Ukraine)

"Fallen heroes tell us their stories: letters of the Soviet servicemen who died fighting against the occupation forces of German fascists." Reviewed by S. K. Hutians'kiy. Ukr. ist. zhur. 6 no. 1:142-143 Ja-F '63.

"History of the Great Patriotic War of the Soviet Union, 1941-1945," Vol. 4. Reviewed by K. Valer'yanov. Nov. i noveish. ist. no. 2:145-148 '63.

Mobilization of party and Communist Youth League members for service in the Red Army during the Great Patriotic War. L. M. Spirin. Vop. ist. KPSS 7 no. 3: 34-46 Mr '63.

The party during the period of the Great Patriotic War, June 1941-1945. G. Kovantseva. Komm. Bel. 37 no. 1: 55-58 Ja '63.

Seventeen years later. A. Petukhova. Kul't., -pros. rab. 24 no. 1:34 Ja '63.

Sober thoughts of a bourgeois historian. V. E. Petrovskii. Vop. ist. 38 no. 3:102-103 Mr '63.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Above the battlefield. N. Kalashnikov. Av. i kosm. 45 no. 3:74-76 Mr '63.

Above the blue line. A. Tishchenko. Av. i kosm. 45 no. 4:83-86 Ap '63.

[In the sky above the front lines] V nabo frontovom; sbornik vospominanii sovetskikh letchitsa- uchastnits Velikoi Otechestvennoi voyny. [Moskva] Izd-vo "Molodala gvardia," 1962. 205 p.

WORLD WAR, 1939-1945—ATROCITIES

This cannot be forgiven! G. Sapun. Ogonek 41 no. 6:27 F '63.

WORLD WAR, 1939-1945—BIOGRAPHY

[In the ranks forever] Navechno v stroiu. Moskva, Voentzdat, Book 4. 1962. 181 p.

WORLD WAR, 1939-1945—CAMPAIGNS

Shironists. A. Rogotchenko. Voen. znan. 39 no. 2:6-9 F '63.

Zhukov, I. I. [The taming of the "Tigers"] Ukroshchenie "tirov". [Moskva] Molodala gvardia, 1961. 342 p. (Cst-II)

WORLD WAR, 1939-1945—JOURNALISTS

Sharp pen and submachine gun were wartime friends. Sov. pech. no. 2:8-10 F '63.

WORLD WAR, 1939-1945—LITERATURE AND THE WAR

Author, hero, composition. T. N. Denysova. Rad. lit. 7 no. 1:88-97 Ja-F '63.

WORLD WAR, 1939-1945—NAVAL OPERATIONS

Olenev, I. E. [The pages of eternal glory] Storinky nemerknuchoi slavy. Kyiv, Molod', 1962. 105 p.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Communist Youth League members of 1943. Al'bert Gasparian, Leonid Aksel'rod. Smena 40 no. 4:9-11 F '63.

Fate of the first "Katiusha's." N. Afanas'ev. Ogonek 41 no. 9:9-11 F '63.

Kashpurov, regimental political officer. N. Nikol'skii. Ogonek 41 no. 10:4-5 Mr '63.

Khizenko, I. A. [Resurrected pages] Ozhivshie stranitsy. Moskva, Voentzdat, 1963. 102 p.

Krivoshin, S. M. [True war story; notes of a commanding officer of a mechanized corps] Ratnala byl; zapiski komandira mekhanizirovannogo korpusa. [Moskva] Molodala gvardia, 1962. 253 p.

Man is born to perform deeds. Boris Druzhinin. Sov. Ukr. 13 no. 2:155-160 F '63.

Nikol'skii, N. S. [As the price of life] T'sonolu zhizni. Moskva, Gospolitizdat, 1963. 93 p. (Gerol i podvigi)

Parachutists (to be concluded). I. Iroshnikova. Ogonek 40 no. 4:10-13 N '62.

Sergeant got "wings." Uzbekiston 22 no. 2:10-11 F '63.

Sharaf, the "night hunter." N. Ekubov. Uzbekiston 22 no. 2:19-20 F '63.

She did not know fear. K. Grigor'ev. Sov. Kras. krest 12 no. 5:9-10 S-O '62.

They won't forget. V. Skliarov. Ogonek 41 no. 10:23 Mr '63.

Two hours. O. Knorring. Ogonek 41 no. 9:12 F '63.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES, LATVIAN

Merson, G. N. [Courage] Muzhestvo. Riga, Latvisekoe gos. izd-vo, 1962. 64 p.

WORLD WAR, 1939-1945—PICTORIAL WORKS

Colorful pictures of guerrilla warfare. M. Pekarovskiy. Ukraina no. 2:24-25 Ja '63.

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

"The antifascist resistance movement." Reviewed by G. G. Kuranov. Vop. ist. KPSS 7 no. 3:118-121 Mr '63.

Heroes in the ranks with us. A. Vinogradov. Sov. knizh. tovg. 14 no. 3:9-10 Mr '63.

Heroism prompted by heart. I. Kas'kov. Uzbekiston 22 no. 2:12 F '63.

Masolov, N. V. [Zola Kruglova's secret] Taina Zol Kruglovoi. [Leningrad] Lenizdat, 1962. 69 p.

Open letter to Hitler's ace. V. Pavlov. Ogonek 40 no. 40:28-29 D '62.

Password, "five." V. Pavlov. Ogonek 40 no. 40:6-8 N '62.

Salurov, A. N. [Mysterious captain] Taimnychnyi kapitan. Kyiv, Radlana'kiy pya'mennyk, 1962. 336 p. (MII)

WORLD WAR, 1939-1945—WOMEN'S WORK

Where are you, Shura? Sergei Matrosov. Rabotnitsa 40 no. 6:10-11 Je '62.

WORMWOOD

Gorlaev, M. L. and others. [Chemical composition of wormwoods] Khimicheskiy sostav polynoi. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSSR, 1962. 151 p.

WOUNDS—TREATMENT

Kamaev, M. F. [Infected wound and its treatment] Infektirovannaya rana i ee lechenie. Moskva, Medgiz, 1962. 188 p. (DNLM)

WURTZ, CHARLES ADOLPHE, 1817-1884

Musabekov, I. S. [Charles Adolphe Wurtz, 1817-1884] Sharl' Adol'f Vurta, 1817-1884. Moskva, Izd-vo Akad. nauk SSSR, 1963. 93 p. (Akademiya nauk SSSR, Nauchno-bibliograficheskaya seriya)

X-RAY CRYSTALLOGRAPHY

Determination of minerals by X-ray analysis. A. S. Ivailov, A. V. Sharonova. Rent. min. syr. no. 1:153-155 '62.

Experience in analytical indexing of mineral powder patterns. E. K. Vasil'ev. Rent. min. syr. no. 1:75-78 '62.

Fourier transform method for a direct interpretation of X-ray photographs of mixed-layered minerals. I. U. S. D'iaconov. Rent. min. syr. no. 1:97-107 '62.

Possibilities of using the X-ray examination method for estimating bentonites in foundry mixtures. A. A. Struchenko. Rent. min. syr. no. 1:60-66 '62.

Preparation of clays, soils, and sediments of natural waters for X-ray analysis. N. I. Gorbunov. Rent. min. syr. no. 1:53-59 '62.

Some problems of identification and experimental techniques in the X-ray analysis of clay minerals. I. U. A. Rusa'ko. Rent. min. syr. no. 1:24-38 '62.

Utilization of X-ray micro-radiography in studying thin sections. I. A. Veinshenker. Rent. min. syr. no. 1: 149-152 '62.

X-ray analysis of main rock-forming silicates in the Kamysh-Burun iron ore deposit (Crimea). I. U. S. Lebedev. Rent. min. syr. no. 1:39-46 '62.

X-ray determination of garnets. I. A. L. Giller. Rent. min. syr. no. 1:70-96 '62.

X-ray determination of minerals. G. A. Kovalev. Rent. min. syr. no. 1:16-23 '62.

X-ray examination of clay minerals. V. A. Frank-Kamenetskii. Rent. min. syr. no. 1:7-15 '62.

X-ray examination of two modifications of lead selenate. B. A. Popovkin, I. P. Simanov. Zhur. neorg. khim. 7 no. 7:1743-1748 Ji '62.

X-ray studies of nielvardite. I. U. M. Korolev. Rent. min. syr. no. 1:47-52 '62.

X-ray study of bentonites in the Dashukovskii section of the Cherkassy deposit in the Ukrainian S. S. R. E. G. Kukovskii, A. B. Ostrovskaya. Rent. min. syr. no. 1: 67-74 '62.

X-ray study of columbite-tantalite group minerals. N. M. Kumeikova. Rent. min. syr. no. 1:113-119 '62.

X-ray study of metamict minerals. G. A. Sidorenko. Rent. min. syr. no. 1:108-112.

X-ray study of products of the hydrothermal decomposition of phosphorites in the Kara-Tau. A. I. Sokolov and others. Rent. min. syr. no. 1:146-148 '62.

X-ray study of rutillated ilmenite products. E. G. Kukovskii, I. U. V. Kononov. Rent. min. syr. no. 1:120-127 '62.

X-RAY DIFFRACTION EXAMINATION

Metal becomes transparent. P. Maksymuk. Nauka i zhyttia 12 no. 1:36-37 Ja '63.

X RAYS

The de-excitation effect of X rays. G. M. Ivanil. Opt. i spektr. 13 no. 4:818-819 O '62.

X RAYS—INDUSTRIAL APPLICATIONS

Kosolapov, G. F. [Roentgenography] Rentgenografija. Moskva, Vysshaya shkola, 1962. 331 p.

X RAYS—PHYSIOLOGICAL EFFECT

Effect of the temperature of cultivation on the sensitivity of Infusoria to the damaging action of X rays. N. E. Kovaleva. TSitologiya 4 no. 3:305-317 My-Je '62.

Physiological effect of X-rayed pollen on the self-fertilization of corn. E. A. Britikov, Z. V. Lebedeva. Dokl. AN SSSR 149 no. 2:460-463 Mr '63.

XENOLITHS

Xenoliths in dikes and dike-like bodies of diorite-porphyrates and granodiorite-porphyrates. V. F. Tsvirko. Geol. i geofiz. no. 11:102-105 '62.

XEROGRAPHY

Manufacture of electrophotographic papers with increased sensitivity. N. N. Markevich. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:135-137 Mr-Ap '63.

Nature of the edge effect in electrophotography. I. V. Anfilov. Zhur. nauch. i prikl. fot. i kin. 8 no. 2:105-109 Mr-Ap '63.

One for seventy. H. Lemeschuk. Znan. ta pratsa no. 1:13 Ja '63.

XEROPHYTES see subdivision under Azerbaijan

XYLITOL

Hydrogenolysis of xylite. Part I: Effect of temperature and pressure. N. A. Vasunina, A. A. Balandin, I. U. Matatov. Kin. i kat. 4 no. 1:156-162 Ja-F '63.

XYLOSE

Selective determining of xylite and xylose content in their mixture. V. G. Kul'nevich, I. U. E. Fal'kovich, T. L. Parfent'eva. Izv. vyz. ucheb. zav. ipisheh. tekhn. no. 1: 153-157 '63.

YACHT BUILDING

Motor-sail yacht "Del'in." Sudostroenie 20 no. 1:46-50 Ja '63.

YACHT RACING

Star of the "star class." Viktor Babkin. Smena 40 no. 1:22 Ja '63.

YAKUT LANGUAGE—DIALECTS see subdivision under Bulun District; Olenek District

YAKUT LANGUAGE—GRAMMAR

Verbal postpositions in the Yakut language. N. E. Petrov. Nauch. soob. IAF AN SSSR no. 6:45-56 '61.

YAKUT LANGUAGE—TENSE

Past perfect in Yakut language. Nauch. soob. IAFAN SSSR no. 2:112-119 '59.

YAKUT LANGUAGE—VOICE

Voices of the verb in the Yakut language. L. N. Khari-tonov. Nauch. soob. IAF AN SSSR no. 6:37-44 '61.

YAKUTIA—BOOKSELLERS AND BOOKSELLING

Into the taiga for books. A. Grigor'ev. Sov. knizh. tovg. 14 no. 2:39-40 F '63.

We in the north. . . . P. Grigor'ev. Sov. knizh. tovg. 14 no. 3:26 Mr '63.

YAKUTIA—BUILDING MATERIALS

Mineral resources for the production of large-wall blocks in the northwestern regions of the Yakut A. S. S. R. T. I. Anodin. Nauch. soob. IAFAN SSSR no. 2:16-23 '59.

Raw material supply reserves for the production of progressive mineral building materials in western Yakutia. B. I. Bunin. Nauch. soob. IAFAN SSSR no. 3: 33-39 '60.

YAKUTIA—COAL GEOLOGY

Conditions of the Upper Paleozoic accumulation of sediments and coal formation in the eastern margin of the Tunguska Basin. A. V. Aleksandrov, V. I. Frolov. Nauch. soob. IAFAN SSSR no. 7:59-66 '62.

YAKUTIA—DIAMONDS

Genesis of diamond placer deposits in the Lower Jurassic in the "Mir" pipe region. I. S. Rozhkov. Nauch. soob. IAFAN SSSR no. 3:14-17 '60.

YAKUTIA—ETHNOLOGY

Ethnic processes in southeastern Yakutia. S. I. Nikolaev. Nauch. soob. IAFAN SSSR no. 6:91-95 '61.

YAKUTIA—FAMILY

Present-day family life of the Yakuts. N. S. Evseeva. Nauch. soob. IAFAN SSSR no. 6:15-21 '61.

YAKUTIA—FERTILIZERS AND MANURES

Using potassium ammonium phosphate, a new chlorine-free fertilizer, on loamy Solonchak soils in central Yakutia. G. S. Gorbunova, E. I. Korchinskaya. Nauch. soob. IAFAN SSSR no. 3:71-76 '60.

YAKUTIA—FOREST FIRES—CLASSIFICATION

Classification of forest fires. R. V. Chugunova. Nauch. soob. IAFAN SSSR no. 3:67-70 '60.

YAKUTIA—GOLD ORES

Gold potential of the northwestern part of the Verkhoyansk-Kolyma folded area. I. A. Nekrasov. Nauch. soob. IAFAN SSSR no. 2:10-15 '59.

YAKUTIA—GYPSUM

New data on gypsum deposits in some diamond-bearing regions of the Yakut A. S. S. R. T. I. Anodina. Nauch. soob. IAFAN SSSR no. 3:13-16 '60.

YAKUTIA—HARES

Migration of Yakutian hare. M. V. Popov. Nauch. soob. IAFAN SSSR no. 2:73-78 '59.

YAKUTIA—HISTORY

Failure of the anti-Soviet revolts of 1924-1925 and 1927-1928. Z. V. Gogolev. Nauch. soob. IAFAN SSSR no. 6:23-32 '61.

YAKUTIA—HORNBLENDES

Hornblendes in kimberlites of enclosing and crystalline rocks. A. A. Menialilov. Nauch. soob. IAFAN SSSR no. 2:42-45 '59.

YAKUTIA—INDUSTRIES

Akademiya nauk SSSR. Iakutskii filial, Yakutsk. [Problems in the economics of Yakut industry] Voprosy ekonomiki promyshlennosti Iakutsk. Iakutskoe knizhnoe izd-vo, 1962. 113 p.

YAKUTIA—IRON AND STEEL PLANTS

The Tanga plant. P. S. Sofronov. Nauch. soob. IAFAN SSSR no. 6:33-36 '61.

YAKUTIA—KIMBERLITE

Hornblendes in kimberlites of enclosing and crystalline rocks. A. A. Menialilov. Nauch. soob. IAFAN SSSR no. 2:42-45 '59.

Interrelation of vent and vein facies of kimberlite rocks as revealed by the Olenok diamond-bearing region. V. V. Koval'skii. Nauch. soob. IAFAN SSSR no. 7:80-88 '62.

Some geological characteristics of Lower Jurassic diamond-bearing sediments in the "Mir" kimberlite pipe region. G. P. Mikhalev, N. D. Arzhakov. Nauch. soob. IAFAN SSSR no. 7:113-119 '62.

Some information on the physical properties of kimberlites. D. I. Savrasov. Geol. i geofiz. no. 12:79-85 '62.

YAKUTIA—MOLLUSKS

Fauna of land mollusks in central Yakutia. K. P. Fedorov. Nauch. soob. IAFAN SSSR no. 3:75-81 '60.

YAKUTIA—SILVER FOX—FEEDING AND FEEDS

Effect of feeding on the size of silver foxes. G. B. Mamaeva. Nauch. soob. IAFAN SSSR no. 2:62-67 '59.

YAKUTIA—SOLONCHAK SOILS

Using potassium ammonium phosphate, a new chlorine-free fertilizer, on loamy Solonchak soils in central Yakutia. G. S. Gorbunova, E. I. Korchinskaya. Nauch. soob. IAFAN SSSR no. 3:71-76 '60.

YAKUTIA—TILLITE

Findings of tillite in tin ore and lead-zinc deposits in the northeastern part of the Yakut A. S. S. R. G. N. Gamlanin. Nauch. soob. IAFAN SSSR no. 7:145-150 '62.

YAKUTIA—WATER, UNDERGROUND—CLASSIFICATION

Classification of underground waters in the Yakut artesian basin. V. M. Maksimov. Zap. LGI 44 no. 2:21-28 '62.

YAKUTIA—YUKAGHIR

The Yukaghirs. A. N. Laptev. Nauch. soob. IAFAN SSSR no. 6:9-14 '61.

YAKUTS see subdivision under Evenki National Area

YAKUTSK REGION—BUILDING MATERIALS

Mineral resources for the production of non-calced building materials in the Yakutsk region. V. E. Ostupenko. Nauch. soob. IAFAN SSSR no. 3:40-46 '60.

YALTA—HOTELS, TAVERNS, ETC.—DESIGN AND CONSTRUCTION

Tall hotels in Yalta. V. K. Oltarzhetskii, Stroi. i arkh. 11 no. 2:24-26 F '63.

YANA VALLEY—GEOLOGY, STRATIGRAPHIC

Vozin, V. F. [Stratigraphy of Mesozoic sediments in the Yana basin] Stratigrafiya mezozoijskikh otlozhenii basseina r. Iany. Moskva, Izd-vo Akad. nauk SSSR, 1962. 117 p. [Akademiya nauk SSSR. Iakutskii filial, Yakutsk. Trudy. Seriya geologicheskaja, no. 15]

YANA VALLEY—SOILS

Soils of slopes with steppe characteristics in the Yana-Indigirka Upland; taiga-steppe soils in the extracontinental regions of the northeastern U. S. S. R. [with summary in English]. E. M. Naumov, A. A. Andreeva. Pochvovedenie no. 3:62-70 Mr '63.

YANGAU-TAU—SOIL MICRO-ORGANISMS

A study of thermophilic microflora of the Yangau-Tau in the Southern Urals [with summary in English]. L. G. Logina and others. Mikrobiologiya 31 no. 6:1082-1086 N-D '62.

YARN—TESTING

KU-500 twist counter and methods for its operation. N. N. Pozhidaev, A. I. Pavlov. Izv. vyz. ucheb. zav. i tekhn. leg. prom. no. 1:192-198 '63.

YAROSLAVETS—POTATO-HANDLING MACHINERY

Mechanized procurement station. M. Sokol'skii. Sov. potreb. koop. 7 no. 4:30-33 Ap '63.

YAROSLAVL—CONVEYING MACHINERY

Mechanical conveying of billets from the heating furnace to dies. G. I. Kalashnikov. Avi. prom. 29 no. 3:42 Mr '63.

YAROSLAVL—FIREMEN

The plant was saved. A. Klokov, A. Sergeev. Pozh. delo 9 no. 2:19 F '63.

YAROSLAVL—THEATER

Party organization of a theater. L. Rondell. Part. zhizn' no. 6:42-48 Mr '63.

YAROSLAVL—TIRES, RUBBER

Story about an eternal tire. M. Angarskaja. Ogonek 40 no. 50:4-5 D '62.

YAROSLAVL PROVINCE—AUDITING AND INSPECTION

Control must improve work. Part. zhizn' no. 7:35-37 Ap '63.

YAROSLAVL PROVINCE—FIRES AND FIRE PREVENTION

Efficient propaganda. A. Skvortsov. Pozh. delo 9 no. 2:7-8 F '63.

YASNOVKA—COKE INDUSTRY

Production engineers and researchers. S. Faingol'd. NTO 5 no. 4:45-46 Ap '63.

YEAST

Characteristics of some yeast species from distilleries manufacturing bakers' yeast. R. S. Bashirova, I. M. Rotter. Izv. vyz. ucheb. zav. i tekhn. no. 1:72-76 '63.

A comparative study of the microscopic and ultramicroscopic structure of cells of the yeasts Saccharomyces vini and Rhodotorula glutinis [with summary in English]. M. N. Meisell and others. Mikrobiologiya 31 no. 6:1011-1017 N-D '62.

Growth rate of macrocolonies of yeast cells irradiated by ultraviolet rays of different wave length. N. V. Kovlazin. Dokl. AN SSSR 149 no. 5:1202-1204 F '63.

Obtaining feed yeasts from discard molasses. A. G. Zbrodskii, P. G. Psalov, V. F. Pogrebnaia. Spirit. prom. 29 no. 2:32-39 '63.

YELETS—EFFICIENCY, INDUSTRIAL

A detachment without a leader. V. Skorupa. Komsom. zhizn' no. 7:20-24 Ap '63.

YEMEN—DESCRIPTION AND TRAVEL

Yemen wakes up. V. Kudriavtsev. Ogonek 40 no. 40:25 D '62.

YEMEN—MOHAMMEDANISM

Ordeal of the present-day Galilee. S. Gorski. Nauka i rel. 4 no. 3:31 Mr '63.

YEMEN—POLITICS AND GOVERNMENT

Amina. Boris Cherkasov. Ogonek 41 no. 5:6-7 Ja '63.

Yemen wakes up. V. Kudriavtsev. Ogonek 40 no. 40:25 D '62.

YEMEN—WOMEN IN PUBLIC LIFE

Amina. Boris Cherkasov. Ogonek 41 no. 5:6-7 Ja '63.

YENISEY RIDGE—ROCKS, SEDIMENTARY—MAGNETIC PROPERTIES

Paleomagnetism of the late Pre-Cambrian based on data obtained by studying Sinian sediments in the Yenisey Ridge. A. I. Vlasov, V. P. Aparin. Izv. AN SSSR. Ser. geofiz. no. 3:451-454 Mr '63.

YENISEY VALLEY—OLD BELIEVERS

There where the Bi-Khem flows. A. Shannaro. Nauka i rel. 4 no. 3:23-25 Mr '63.

YERGENI HILLS—SOILS

Micromorphology of soils in the Yergeni Hills [with summary in English]. E. A. Larilova. Pochvovedenie no. 2:33-39 F '63.

YESIL' DISTRICT—FARM MECHANIZATION

Without a seasonal labor force. V. Saltanov. Sov. trad. 8 no. 3:106-109 Mr '63.

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUNG WOMEN see subdivision under Franco

YOUTH

(see also subdivision under United States)

Contemporaries of the Sputnik. IU. Kotler. Sov. Sotuz no. 1:8-11 '63.

Face of my contemporaries. Viktor Rozov. Smeru 40 no. 1:1-3 Ja '63.

Kuznetsov, D. V. [Irrefutable facts] Neopроверzhimoe. [Moskva] Izd-vo "Molodaja gvardia," 1962. 136 p.

Lenin, V. I. [V. I. Lenin on youth] V. I. Lenin omolodezh. [Moskva] Molodnaja gvardia, 1962. 331 p. (MII)

Lights of young people's cafes. Komsom. zhizn' no. 7:27-30 Ap '63.

The way to the minds and hearts of students in the older grades. K. Alekseev. Klub 12 no. 11:26-29 M '62.

What would you do and who would you like to become if you were eighteen years old? V. K. Vesolyi, I. A. Kuznetsov, M. Ivanova. Znan. ta pratsia no. 1:1-2 Ja '63.

YOUTH—EMPLOYMENT

Romanticist or a rolling stone? I. Glan. Smeru 40 no. 6:12-13 Mr '63.

YOUTH—SOCIETIES, ETC.

Solidarity day of youth. Smeru 30 no. 22:10 N '62.

YTTRIUM OXIDES

Phase relations in the system $Y_2O_3 - ZrO_2$. Report No. 2. Solid solutions. Fan' Fu-kan [Fan Fu-kang], A. K. Kuznetsov, E. K. Keler. Izv. AN SSSR. Otd. khim. nauk no. 4:601-610 Ap '63.

YUGOSLAVIA—BIBLIOGRAPHY

[New literature on Yugoslavia] Nov. li. po Iug. no. 12 '62; nos. 1-2 '63.

YUGOSLAVIA—COMMUNIST PARTY

"Selected works" (in Serbian) by F. Filipovik. Reviewed by N. S. Ivanovich. Nov. i noveish. ist. no. 2:164-165 '63.

YUGOSLAVIA—HISTORY—PERIODICALS

A new historical periodical in Yugoslavia. V. K. Volkov. Nov. i noveish. ist. no. 2:176 '63.

YUGOSLAVIA—POLITICS AND GOVERNMENT

Yugoslavia's new constitution. G. Slavin. Nov. vrem. 20 no. 16:17-18 Ap '63.

YUGOSLAVIA—TRADE UNIONS

Yugoslav trade unions; an interview with Svetozar Vukmanovic-Tempo. Nov. vrem. 20 no. 14:16-17 Ap '63.

YUKAGHIR see subdivision under Yakutia

YUNUS EMRE, 1260 (ca.)-1330 (ca.)

Yunus Emre. R. M. Mollov. Krat. soob. Inst. nar. Az. no. 60:3-11 '62.

YUZHNO-SAKHALINSK—COMMUNIST YOUTH LEAGUE

Office of Friendly help. A. Pakhomov. Komsom. zhizn' no. 13:23-24 Ji '62.

YUZHNO-SAKHALINSK—CONSTRUCTION INDUSTRY

Frank conversation. Smeru 40 no. 3:12-13 F '63.

ZADONSK—PEAS, DRIED

Experience in the drying of green peas in the Zadonsk Dehydrated Vegetable Plant. V. S. Bazhenov. Koms. i ov. prom. 18 no. 3:22-23 Mr '63.

ZAGORSK—TOY INDUSTRY

Let's play with toys, our reader. I. Ogloblin, A. Ievskovets. Znan. i sluzhba 38 no. 2:46 F '63.

ZAKIROV, DANI

Songs of the heart. E. Shvarts. Uzbekistan 22 no. 3:22 F '63.

ZALARI—COMMUNITY CENTERS

Zalari. V. Danilin. Kul't. -pros. rab. 24 no. 3:28-31 Mr '63.

ZALESKI, ALEKSANDR MIKHAILOVICH, 1892-
Scientific and educational work and public service of A. M. Zaleski. *Izv. vys. ucheb. zav. energ.* 6 no. 2: 110-111 F '63.

ZAPOROZHETS, PETR KUZ'MICH, 1873-1963
Intrepid revolutionary; on the 90th anniversary of P. K. Zaporozhets' birth. N. V. Naumov. *Vop. ist. KPSS* 7 no. 3:87-90 Mr '63.

ZAPOROZH'YE—ARCHITECTURE
"The city is under construction; the city is improving" by S. Vasilievskii, V. Kandusov. Reviewed by V. Karpov. *Stroi. i arkhitekt.* 11 no. 2:33-34 F '63.

ZAVITAYA—RAILROADS—SIGNALING
Efficiency of relay interlocking systems at the railroad station of Zavitaya. N. I. Dunaev. *Avtom. telemekh. i svyaz'* 7 no. 2:40-41 F '63.

ZBANATSKYI, IURI
"Soopel"; a novel by Iurii Zbanats'kyi. Reviewed by I. Bevs and others. *Sov. Ukr.* 12 no. 11:180-182 N '62.

ZELIKMAN, VLADIMIR GRIGOREVICH, 1902-1963
Vladimir Grigor'evich Zelikman; obituary. *Energetik* 11 no. 4:48 Ap '63.

ZEOLITES
Moleks. G. Vershubskii. *Znanie-sila* 30 no. 1:20-21 Ja '63.

ZERNOGRAD DISTRICT—COMMUNIST YOUTH LEAGUE
While they thought and guessed... T. Bolarkina. *Komsom. zhizn'* no. 5:12-13 Mr '63.

ZHDANOV—APARTMENT HOUSES
Construction of large-panel residential buildings in Zhdanov. E. Kosenkov and others. *Stroi. i arkhitekt.* 11 no. 2:6-9 F '63.

ZHDANOV—COKE INDUSTRY—SAFETY MEASURES
New forms of the work in safety engineering. I. A. Golubratkhi. *Koks i khim.* no. 3:54-56 '63.

ZHDANOV—PRECAST CONCRETE CONSTRUCTION
Construction of large-panel residential buildings in Zhdanov. E. Kosenkov and others. *Stroi. i arkhitekt.* 11 no. 2:6-9 F '63.

ZHIRKOV, MARK NIKOLAEVICH, 1892-1951
Mark Nikolaevich Zhirkov. M. I. A. Zhornitskaia, N. M. Alekseev. *Nauch. soob. IAFAN SSSR* no. 2:89-95 '59.

ZHITOMIR REGION—STONE IMPLEMENTS
Finds of ancient paleolithic implements in the Zhitomir region. V. A. Maslata. *Krat. soob. Inst. arkheol.* no. 92: 54-55 '62.

ZINC—BRITTLENESS
Nature of rheotrope recovery. A. A. Presninkov, L. I. Dautova, E. S. Aitkhozhin. *Izv. AN SSSR, Otd. tekhn. nauk.* *Met. i gor. delo* no. 1:142-143 Ja-F '63.

ZINC—PHYSIOLOGICAL EFFECT
Effect of a zinc preparation on the growth of calves. I. U. M. Nasonov. *Vlanyk sil' hosp. nauky* 6 no. 2:109 F '63.

ZINC—ALUMINUM—MAGNESIUM ALLOYS see Aluminum-magnesium-zinc alloys

ZINC COMPOUNDS
Composition and stability of cadmium, lead, and zinc complexes with monoethanolamine in water-alcohol solutions. P. K. Migal', G. F. Serova. *Zhur. neorg. khim.* 7 no. 7:1601-1607 Jl '62.

ZINC ELECTRODES see Electrodes, Zinc

ZINC OXIDES
Characteristics of the thermoluminescence of zinc oxide. I. A. M. Zelikin, G. T. Paracheva. *Opt. i spekt.* 13 no. 4:554-557 O '62.

ZINC PLATING
Kudryavtsev, N. T., and others. [Zinc plating with and ammonite electrolyte and the phosphating of zinc coatings] *TSinkovanie v ammiakatom elektrolite i fosfatirovanie tsinkovykh pokryti.* Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 13. No. M-58-63/6)

ZINC SULFIDE CRYSTALS
Effect of an electric field on the γ -luminescence of ZnS single crystals. B. T. Fedlushin. *Opt. i spekt.* 13 no. 4:558-563 O '62.

ZINC TUNGSTATE CRYSTALS
Electron paramagnetic resonance spectrum and spin-lattice relaxation of chromium and iron ions in zinc tungstate single crystals [with summary in English]. E. N. Emel'ianova and others. *Zhur. eksp. i teor. fiz.* 44 no. 3:808-859 Mr '63.

ZIRCON
Ilmenite and zircon placer deposit. V. D. Kozlova. *Mat. GKZ* no. 2:96-99 '61.
Methods of studying metamorphic rocks [with summary in English]. V. M. Chaika. *Geol. i geofiz.* no. 12:71-78 '62.

ZIRCONIUM—ANALYSIS
Datisach, a new fluorimetric reagent for zirconium [with summary in English]. A. P. Golovina and others. *Zhur. anal. khim.* 17 no. 5:591-594 Ag '62.
Separation of zirconium from titanium and other elements by ion exchange chromatography [with summary in English]. B. I. Nabivanets. *Zhur. anal. khim.* 17 no. 5:585-590 Ag '62.

ZIRCONIUM ALLOYS
Ivanov, O. S., ed. [Structure and properties of uranium, thorium, and zirconium alloys] *Stroenie i svoistva splavov urana, toria i tsirkonia.* Moskva, Gosatomizdat, 1963. 370 p.

ZIRCONIUM FLUORIDE
Interaction in the system $\text{HF} - \text{ZrF}_4 - \text{H}_2\text{O}$ at 25°C. N. S. Nikolaev, I. U. A. Buslaev, M. P. Gustiakov. *Zhur. neorg. khim.* 7 no. 7:1685-1692 Jl '62.

ZIRCONIUM-NIOBIUM ALLOYS see Niobium-zirconium alloys

ZIRCONIUM OXALATES
Oxalate-zirconates of alkaline earth metals. V. P. Shvedov, N. A. Susorova. *Zhur. neorg. khim.* 8 no. 4: 893-895 Ap '63.

ZIRCONIUM OXIDES
Effect of zirconium dioxide on the electrode properties and chemical stability of alkali metal silicates [with summary in English]. M. M. Shults, A. I. Parfenov, N. P. Panfilova. *Vest. LGU* 18 no. 4:143-148 '63.
Phase relations in the system $\text{Y}_2\text{O}_3 - \text{ZrO}_2$. Report No. 2: Solid solutions. Fan' Fu-kan [Fan Fu-k'ang], A. K. Kuznetsov, E. K. Keler. *Izv. AN SSSR, Otd. khim. nauk* no. 4:601-610 Ap '63.

ZIRCONIUM-TITANIUM-TIN ALLOYS see Titanium-zirconium-tin alloys

ZIRCONYL OXALATE
Synthesis of some oxalate compounds of zirconyl. L. M. Zaitsev, G. S. Bochkarev. *Zhur. neorg. khim.* 7 no. 7: 1552-1558 Jl '62.

ZLATOUST—IRON AND STEEL PLANTS
Contribution to the seven-year plan. I. Saranskikh. *Metallurg* 8 no. 3:37-39 Mr '63.

ZOOLOGY see subdivision under Kurile Islands

ZOOLOGY—STUDY AND TEACHING
Zhukova, T. I. [Hours of entertaining zoology; from the experience in field work] *Chasy zanimatel'noi zoologii; iz opyta raboty.* Moskva, Uchpedgiz, 1962. 89 p.

ZUBAKIN, VASILII NIKOLAEVICH
"Wonder alloy." I. U. Smirnov. *Metallurg* 8 no. 4:29 Ap '63.

ZWEIG, ARNOLD, 1887-
Seriously, but with the joy of life. Stefan Heim. *Ogonek* 40 no. 46:24 N '62.

ZYRYANOVSK DISTRICT—BLASTING
Results of studies of boring and blasting operations in the Zyryanovsk open-pit mine. V. F. Makarevich. *Trudy Alt. GIMNII AN Kazakh. SSR* 13:96-108 '62.

ZYRYANOVSK DISTRICT—BORING
Results of studies of boring and blasting operations in the Zyryanovsk open-pit mine. V. F. Makarevich. *Trudy Alt. GIMNII AN Kazakh. SSR* 13:96-108 '62.

ZYRYANOVSK DISTRICT—STRIP MINING
Zyryanovsk open-pit mine. V. F. Rybert, V. F. Makarevich. *Trudy Alt. GIMNII AN Kazakh. SSR* 13:5-12 '62.

PERIODICALS AVAILABLE IN ENGLISH TRANSLATION
COVER-TO-COVER

AKADEMIA NAUK SSSR. Doklady.
[Biological Sciences Papers] (Proceedings of the Academy of Sciences of the U.S.S.R. Biological Sciences Papers)
Translation begins with 1957, v. 112, nos. 1-6
Single issues \$4.00
Order from:
American Institute of Biological Sciences
2000 P Street, N.W. \$20.00/year
Washington 6, D.C. \$15.00/year* to members

AKADEMIA NAUK SSSR. Doklady.
[Botanical Sciences Papers] (Proceedings of the Academy of Sciences of the U.S.S.R. Botanical Sciences Papers)
Translation begins with 1957, v. 112, nos. 1-6
Single issues \$1.50
Order from:
American Institute of Biological Sciences
2000 P Street, N.W. \$7.50/year
Washington 6, D.C. \$5.75/year* to members

AKADEMIA NAUK SSSR. Doklady.
Otdel Agrokhimii (Proceedings of the Academy of Sciences of the U.S.S.R. Agrochemistry Section)
Translation from 1956, v. 106, to v. 112
Single article reprints \$5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York 11, New York \$5.00/article

AKADEMIA NAUK SSSR. Doklady.
Otdel Biokhimii (Proceedings of the Academy of Sciences of the U.S.S.R. Biochemistry Section)
Translation begins with 1957, v. 112, nos. 1-6
1957 available in single article reprints from Consultants Bureau Enterprises, Inc. \$5.00/article
1958ff. single issues \$4.50
Order from:
American Institute of Biological Sciences
2000 P Street, N.W. \$15.00/year
Washington 6, D.C. \$10.00/year* to members

AKADEMIA NAUK SSSR. Doklady.
Otdel Fizicheskoi Khimii (Proceedings of the Academy of Sciences of the U.S.S.R. Physical Chemistry Section)
Translation begins with 1957, v. 112, nos. 1-6
Single article reprints \$5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York 11, New York \$160.00/year

AKADEMIA NAUK SSSR. Doklady.
Otdel Geokhimii i Otdel Geologii (Proceedings of the Academy of Sciences of the U.S.S.R. Earth Science Sections; Includes Geochemistry Sections and Geological Sciences Sections)
Translation begins with 1959, v. 124, nos. 1-6
Single issues \$8.00
Order from:
American Geological Institute
2101 Constitution Avenue, N.W. \$45.00/year
Washington 25, D.C. \$27.00/year* to members

AKADEMIA NAUK SSSR. Doklady.
Otdel Geokhimii (Proceedings of the Academy of Sciences of the U.S.S.R. Geochemistry Section)
Translation from 1956, v. 106 to 1958, v. 123
1956, \$20.00; 1957, \$15.00; 1958, \$25.00; single article reprints \$5.00; later issues incorporated in Doklady: Earth Science Section
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York 11, New York

AKADEMIA NAUK SSSR. Doklady.
Otdel Geologii (Proceedings of the Academy of Sciences of the U.S.S.R. Geological Science Section)
Translation from 1957, v. 112 to 1958, v. 123
1957-1958, \$200.00/volume; single article reprints \$5.00; later issues incorporated in Doklady: Earth Science Section
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York 11, New York

AKADEMIA NAUK SSSR. Doklady.
Otdel Khimicheskoi Tekhnologii (Proceedings of the Academy of Sciences of the U.S.S.R. Chemical Technology Section)
Translation begins with 1956, v. 106, nos. 1-6-1956, \$30.00; 1957, \$15.00; 1958-1961, \$25.00/year
Single article reprints \$5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York 11, New York \$25.00/year

AKADEMIA NAUK SSSR. Doklady.
Otdel Khimii (Proceedings of the Academy of Sciences of the U.S.S.R. Chemistry Section)
Translation begins with 1956, v. 106, nos. 1-6-1956-1957, \$95.00/year; 1958-1961, \$110.00/year
1958 ff. single issues \$25.00, 1956 ff. single article reprints \$5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York 11, New York \$110.00/year

AKADEMIA NAUK SSSR. Doklady.
Otdel Matematiki (Proceedings of the Academy of Sciences of the U.S.S.R. Mathematics Section)
Journal title: Soviet Mathematics - Doklady.
Translation begins with 1960, v. 130, nos. 1-6-
Single issues \$5.00
Order from:
American Mathematical Society
190 Hope Street
Providence 6, Rhode Island \$17.50/year
\$20.00/year foreign

AKADEMIA NAUK SSSR. Doklady.
Otdel Pochvovedeniia (Proceedings of the Academy of Sciences of the U.S.S.R. Soil Science Section)
Translation begins with 1961, v. 136, nos. 1-6-
Order from:
American Institute of Biological Sciences
2000 P Street, N.W.
Washington 6, D.C. \$5.00/year

AKADEMIA NAUK SSSR. Doklady.
Otdel Prikladnoi fiziki (Proceedings of the Academy of Sciences of the U.S.S.R. Applied Physics Section)
Translation from 1957, v. 112, nos. 1-6 to v. 123, nos. 1-6
Single article reprints \$5.00
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York 11, New York \$5.00/article

AKADEMIA NAUK SSSR. Doklady.
[Physics Papers] (Proceedings of the Academy of Sciences of the U.S.S.R. Physics Papers)
Translation begins with 1956, v. 106, nos. 1-6-
Single issues, 1956-1957, \$5.00; 1958-, \$7.00
Order from:
American Institute of Physics
335 East 46th Street
New York 17, New York \$35.00/year
\$25.00/year*

AKADEMIA NAUK SSSR. GEOFIZICHESKII INSTITUT.
Trudy (Transactions of the Geophysical Institute of the Academy of Sciences of the U.S.S.R.)
Translation begins with 1957, no. 37-
Single issues individually priced
Order from:
American Geophysical Union
1515 Massachusetts Ave., N.W.
Washington 6, D.C. Copies sold individually

AKADEMIA NAUK SSSR. INSTITUT VYSSHEI NERVENOI DEIATEL'NOSTI. Trudy. Seriya fiziologicheskaya.
(Transactions of the Institute of the Higher Nervous Function of the Academy of Sciences of the U.S.S.R. Physiological Series)
Translation begins with 1955, v. 1-
Single issues individually priced
Order from:
Office of Technical Services
U.S. Department of Commerce
Washington 25, D.C. Copies sold individually

AKADEMIA NAUK SSSR. INSTITUT VYSSHEI NERVENOI DEIATEL'NOSTI. Trudy. Seriya patofiziologicheskaya.
(Transactions of the Institute of Higher Nervous Function of the Academy of Sciences of the U.S.S.R. Pathophysiological Series)
Translation begins with 1955, v. 1-
Single issues individually priced
Order from:
Office of Technical Services
U.S. Department of Commerce
Washington 25, D.C. Copies sold individually

AKADEMIA NAUK SSSR. Izvestiia.
Otdelenie Khimicheskikh nauk (Bulletin of the Academy of Sciences of the U.S.S.R. Division of Chemical Sciences)
Translation begins with 1952, v. 10, no. 1-1952-1955, \$60.00/volume; 1956, \$160.00; 1957-1959, \$45.00/volume; 1960, \$80.00; 1961 \$120.00
Single issues, 1957-1959, \$5.00; 1960 ff. \$10.00; single article reprints, 1952-1956, \$7.50
Order from:
Consultants Bureau Enterprises, Inc.
227 West 17th Street
New York 11, New York \$120.00/year

AKADEMIA NAUK SSSR. Izvestiia. Otdelenie Tekhnicheskikh nauk. Metallurgiya i toplivo (Russian Metallurgy and Fuels) Selected Articles. Articles not translated in full are abstracted.
Translation begins with 1962, no. 1-1960 issues available from Eagle Technical Publications, 62-b Stapleton Hall Rd., London N.4, England.
Order from:
Scientific Information Consultants, Ltd.
Publications Department
661 Finchley Road
London N.W. 2, England. \$68.00/year

AKADEMIA NAUK SSSR. Izvestiia. Seriya Fizicheskaya (Bulletin of the Academy of Sciences of the U.S.S.R. Physics Series)
Translation begins with 1954, v. 18, no. 3-
Single issues \$20.00, single article reprints \$8.00
Order from:
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York \$215.00/year

AKADEMIA NAUK SSSR. Izvestiia. Seriya Geologicheskaya (Bulletin of the Academy of Sciences of the U.S.S.R. Geologic Series)
Translation begins with 1958, v. 23, no. 1-
Single issues \$4.25
Order from:
American Geological Institute
2101 Constitution Avenue, N.W. \$45.00/year
Washington 25, D.C. \$27.00/year* to members

* Subscription rate to libraries of academic institutions

Monthly Index *of* Russian Accessions



Volume 16, No. 4

July 1963

THE LIBRARY OF CONGRESS
WASHINGTON : 1963

INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1945 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1947. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Electric action of the brain in glaucoma. L.S.Levina, G.M.Neishtadt. Vestnik, 30 no.5:8-12 S-O '51.

Explanation: An article with title given above in English translation, written by L. S. Levina and G. M. Neishtadt, will be found in the September-October 1951 issue of *Vestnik of ophthalmology*, vol. 30, no. 5, pages 8-12.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves () around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C., 20540.

The MONTHLY INDEX OF RUSSIAN ACCESSIONS is for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., 20402.

Price of single copies varies; subscription price, \$12.00 a year domestic, \$16.00 a year foreign. Price of Cumulative Index to Volumes 1-3, \$1.50; to Volume 4, \$0.60.

L. C. card, 48-46562

*Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.

SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.	CaSSU	University of Saskatchewan, Saskatoon, Canada
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.	CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
AU	University of Alabama, University	CoD	Denver Public Library
AzU	University of Arizona, Tucson	CoDM	Medical Society of the City and County of Denver
C	California State Library, Sacramento	CoFS	Colorado State University, Fort Collins
CCC	Honnold Library, Claremont, Calif.	CoU	University of Colorado, Boulder
CFS	Fresno State College, Fresno, Calif.	CtHT	Trinity College, Hartford, Conn.
CL	Los Angeles Public Library	CtU	University of Connecticut, Storrs
CLCM	Los Angeles County Museum Library, Los Angeles	CtW	Wesleyan University, Middletown, Conn.
CLL	Los Angeles County Law Library, Los Angeles	CtY	Yale University, New Haven
CLM	Los Angeles County Medical Association, Los Angeles	CtY-L	— Law Library
CLSU	University of Southern California, Los Angeles	CtY-M	— Medical School Library
CLU	University of California at Los Angeles	DAIA	American Institute of Architects Library, Washington, D. C.
CMthL	University of California, Lick Observatory, Mount Hamilton	DAL	U. S. Army Library, Pentagon Building
CPT	California Institute of Technology, Pasadena	DBC	U. S. Bureau of the Census Library
CSf	San Francisco Public Library	DBS	U. S. National Bureau of Standards Library
CSfA	California Academy of Sciences, San Francisco	DC	U. S. Department of Commerce Library
CSfU	University of San Francisco, San Francisco	DCU	Catholic University of America Library, Washington, D. C.
CSmH	Henry E. Huntington Library, San Marino, Calif.	DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
CSt	Stanford College Libraries, Stanford, Calif.	DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
CSt-H	— The Hoover Institution on War, Revolution, and Peace	DFR	Board of Governors of the Federal Reserve System
CSt-L	— Lane Medical Library	DI	U. S. Department of the Interior Library
CStbS	University of California, Santa Barbara Library, Goleta	DI-GS	— Geological Survey Library
CStmoR	Rand Corporation, Santa Monica, Calif.	DM	U. S. Bureau of Mines Library. (Library integrated with DI)
CU	University of California, Berkeley	DN	U. S. Department of the Navy Library
CU-A	— University of California, Davis	DN-HO	— Naval Oceanographic Office Library
CU-B	— Bancroft Library, Berkeley	DN-Ob	— Naval Observatory Library
CU-E	— East Asiatic Library, Berkeley	DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
CU-M	— Medical Center, San Francisco	DNAL	National Agricultural Library
CU-Riv	— College of Arts, Letters and Science, Riverside	DNIH	National Institutes of Health Library, Bethesda, Md.
CU-S	— Scripps Institution of Oceanography, La Jolla	DNLN	U. S. National Library of Medicine
CaAEU	University of Alberta, Edmonton, Canada	DNW	U. S. National War College Library, Fort McNair
CaBVA	Vancouver Public Library, Vancouver, Canada	DP	U. S. Patent Office Library
CaBVAU	University of British Columbia, Vancouver, Canada	DS	U. S. Department of State Library
CaBViPA	Provincial Archives, Victoria, Canada	DSC	Scottish Rite Supreme Council Library
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada	DSI	Smithsonian Institution Library, Washington, D. C.
CaOKQ	Queen's University, Kingston, Canada	DSI-AO	— Astrophysical Laboratory Library
CaOL	London Public Library, London, Canada	DSI-E	— Bureau of American Ethnology Library
CaOOA	Public Archives Library, Ottawa, Canada	DSI-M	— National Museum Library
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada	DWB	U. S. Weather Bureau Library
CaOLU	University of Western Ontario, London, Canada	DeU	University of Delaware, Newark
CaOOF	Department of Finance Library, Ottawa	FMU	University of Miami, Coral Gables, Fla.
CaOOG	Geological Survey of Canada, Ottawa, Canada	FTASU	Florida State University, Tallahassee
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada	FU	University of Florida, Gainesville
CaOOH	Laboratory of Hygiene, Ottawa, Canada	GAT	Georgia Institute of Technology, Atlanta
CaOOM	Bureau of Mines Library, Ottawa	GEU	Emory University, Atlanta
CaOON	National Research Council, Ottawa, Canada	GU	University of Georgia, Athens
CaOONM	National Museum, Ottawa, Canada	I	Illinois State Library, Springfield
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada	IArg	Argonne National Laboratory, Argonne, Ill.
CaOOU	University of Ottawa, Ottawa, Canada	IC	Chicago Public Library
CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada	ICA	Art Institute of Chicago, Chicago
CaOTR	Royal Canadian Institute, Toronto. (Collection included with CaOTU)	ICAC	American College of Surgeons Library, Chicago
CaOTU	University of Toronto, Toronto, Canada	ICF	Chicago Natural History Museum, Chicago
CaQMAI	Arctic Institute of North America, Montreal, Canada	ICJ	John Crerar Library, Chicago
CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal	ICMILC	Midwest Inter-Library Center, Chicago
CaQMM	McGill University, Montreal, Canada	ICN	Newberry Library, Chicago
CaQMU	La Bibliothèque de l'Université de Montréal, Montreal	ICU	University of Chicago, Chicago
		ICU-Y	Yerkes Observatory, Williams Bay, Wis.
		ICarBS	Southern Illinois University, Carbondale
		IEN	Northwestern University, Evanston, Ill.
		IEN-M	— Medical School Library, Chicago
		IHI	Illinois State Historical Library, Springfield
		IU	University of Illinois, Urbana

IaAS	Iowa State University of Science and Technology, Ames	MiU-L	-- Law Library
IaU	State University of Iowa, Iowa City	MnSJ	James Jerome Hill Reference Library, St. Paul
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho	MnU	University of Minnesota, Minneapolis
IdU	University of Idaho, Moscow	MnU-B	-- Bio-Medical Library
In	Indiana State Library, Indianapolis	MnU-L	-- Law Library
InIA	Indiana Academy of Science Library, Indianapolis	MoFC	Central College, Fayette, Mo.
InLP	Purdue University, Lafayette, Ind.	MoKL	Linda Hall Library, Kansas City
InNd	University of Notre Dame, Notre Dame, Ind.	MoRM	University of Missouri School of Mines and Metallurgy, Rolla
InU	Indiana University, Bloomington	MoS	St. Louis Public Library
KAS	St. Benedict's College, Atchison, Kan.	MoSB	Missouri Botanical Garden, St. Louis
KMK	Kansas State University, Manhattan	MoSU	St. Louis University, St. Louis
KU	University of Kansas, Lawrence	MoSW	Washington University, St. Louis
KU-L	-- School of Law Library	MoU	University of Missouri, Columbia
KU-M	-- Medical Center Library, Kansas City	MsSM	Mississippi State University, State College
KyU	University of Kentucky, Lexington	MsU	University of Mississippi, Oxford
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.	MtBC	Montana State College, Bozeman
LU	Louisiana State University, Baton Rouge	MtU	Montana State University, Missoula
MA	Amherst College, Amherst, Mass.	N	New York State Library, Albany
MB	Boston Public Library	NB	Brooklyn Public Library
MBA	American Academy of the Arts and Sciences, Boston	NBB	Brooklyn Museum Libraries, Brooklyn
MBAt	Boston Athenaeum, Boston	NBC	Brooklyn College, Brooklyn
MBM	Boston Medical Library, Boston	NBG	Brooklyn Botanic Garden, Brooklyn
MBN	Boston Society of Natural History, Boston	NBM	Academy of Medicine of Brooklyn Library, Brooklyn
MBU	Boston University	NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.	NBuB	Buffalo Society of Natural Sciences, Buffalo
MCM	Massachusetts Institute of Technology, Cambridge, Mass.	NCH	Hamilton College, Clinton, N. Y.
MH	Harvard University, Cambridge, Mass.	NCornC	Corning Glass Works Library, Corning, N. Y.
MH-A	-- Arnold Arboretum, Jamaica Plain	NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.
MH-AH	-- Andover-Harvard Theological Seminary Library	NIC	Cornell University, Ithaca, N. Y.
MH-BH	-- Blue Hill Meteorological Observatory, Milton, Mass.	NIC-A	-- State Colleges of Agriculture and Home Economics
MH-BL	-- Biological Laboratories Library	NN	New York Public Library
MH-C	-- Chemistry Library	NNA	American Geographical Society, New York
MH-F	-- Farlow Reference Library	NNBG	New York Botanical Garden, Bronx Park, New York
MH-FA	-- Fogg Art Museum Library	NNC	Columbia University, New York
MH-G	-- Gary Herbarium Library	NNC-L	-- Law Library
MH-GM	-- Gordon McKay Library	NNC-M	-- Medical Library
MH-HY	-- Harvard-Yenching Institute (Chinese-Japanese Library)	NNC-T	-- Teachers College Library
MH-L	-- Law School Library	NNCC	Chemists' Club, New York
MH-M	-- Schools of Medicine, Public Health and Dental Medicine, Boston	NNCoCi	College of the City of New York, New York
MH-Mi	-- Mineralogical Library	NNCorM	Cornell University Medical College Library, New York
MH-O	-- Astronomical Observatory, the Phillips Library	NNE	Engineering Societies Library, New York
MH-P	-- Peabody Museum Library	NNF	Fordham University, New York
MH-PR	-- Physics Research Library	NNIS	Library for Intercultural Studies, New York
MH-SD	-- Graduate School of Design Library	NNJ	Jewish Theological Seminary of America, New York
MH-Z	-- Museum of Comparative Zoology Library	NNM	American Museum of Natural History, New York
MMeT	Tufts University, Medford, Mass.	NNMM	Metropolitan Museum of Art Library, New York
MNS	Smith College, Northampton, Mass.	NNNAM	New York Academy of Medicine, New York
MWeIC	Wellesley College, Wellesley, Mass.	NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York
MWhB	Marine Biological Laboratory, Woods Hole, Mass.	NNR	Russell Sage Foundation, College of the City of New York
MdAN	U. S. Naval Academy, Annapolis	NNRI	Rockefeller Institute for Medical Research, New York
MdBJ	Johns Hopkins University, Baltimore	NNU	New York University Libraries, New York
MdBWA	Walters Art Gallery, Baltimore	NNU-H	-- University Heights Library
MdU	University of Maryland, College Park	NNU-W	-- Washington Square Library
MeB	Bowdoin College, Brunswick, Maine	NNUN	United Nations Library, New York
MeWC	Colby College, Waterville, Maine	NPV	Vassar College, Poughkeepsie, N. Y.
MiD	Detroit Public Library	NRE	Eastman Kodak Company, Rochester, N. Y.
MiDA	Detroit Institute of Arts	NRU	University of Rochester, Rochester, N. Y.
MiDW	Wayne State University, Detroit	NSyU	Syracuse University, Syracuse, N. Y.
MiEM	Michigan State University, East Lansing	NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.
MiMidD	Dow Chemical Company, Midland, Mich.	NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.
MiU	University of Michigan, Ann Arbor	NbU	University of Nebraska, Lincoln
MiU-C	-- William L. Clements Library		

NcD	Duke University, Durham, N. C.	PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
NcGW	Woman's College of the University of North Carolina, Greensboro	PPF	Franklin Institute, Philadelphia
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh	PPPM	Philadelphia Museum of Art
NcU	University of North Carolina, Chapel Hill	PPT	Temple University, Philadelphia
NdU	University of North Dakota, Grand Forks	PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
Nh	New Hampshire State Library, Concord	PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
NhD	Dartmouth College, Hanover, N. H.	PPiCI	Carnegie Institute of Technology, Pittsburgh
NjI	Irvington Free Public Library, Irvington, N. J.	PPIU	University of Pittsburgh, Pittsburgh
NjMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill	PRosC	Rosemont College, Rosemont, Pa.
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.	PSC	Swarthmore College, Swarthmore, Pa.
NjN	Newark Public Library, Newark, N. J.	PST	Pennsylvania State University, University Park
NjP	Princeton University, Princeton, N. J.	PU	University of Pennsylvania, Philadelphia
NjR	Rutgers University, New Brunswick, N. J.	PU-BZ	— Botany-Zoology Library
NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park	PU-El	— Moore School of Electrical Engineering Library
NvU	University of Nevada, Reno	PU-FA	— School of Fine Arts Library
O	Ohio State Library, Columbus	PU-Math	— Mathematics-Physics Library
OCH	Hebrew Union College, Cincinnati	PU-Mu	— University Museum Library
OCLloyd	Lloyd Library and Museum, Cincinnati	PU-Penn	— Penniman Library of Education
OCU	University of Cincinnati, Cincinnati	PU-Sc	— Towne Scientific School Library
OCI	Cleveland Public Library	RPB	Brown University, Providence, R. I.
OCIBHS	Benedictine High School, Cleveland	RU	University of Rhode Island, Kingston
OCICS	Case Institute of Technology, Cleveland	TCU	University of Chattanooga, Chattanooga, Tenn.
OCIJC	John Carroll University, Cleveland	TNJ	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.
OCIM	Cleveland Medical Library	TONS	Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn.
OCIMA	Cleveland Museum of Art	TU	University of Tennessee, Knoxville
OCIW	Western Reserve University, Cleveland	TxCM	Agricultural and Mechanical College of Texas, College Station
OCob	Battelle Memorial Institute, Columbus	TxDaM	Southern Methodist University, Dallas
ODW	Ohio Wesleyan University, Delaware, Ohio	TxHR	Rice Institute, Houston
OHi	Ohio State Historical Society, Columbus	TxLT	Texas Technological College, Lubbock
OO	Oberlin College, Oberlin, Ohio	TxU	University of Texas, Austin
OOxM	Miami University, Oxford, Ohio	ULA	Utah State University of Agriculture and Applied Science, Logan
OSTe	Carnegie Library, Steubenville, Ohio	ViBibV	Virginia Polytechnic Institute, Blacksburg
OU	Ohio State University, Columbus	ViU	University of Virginia, Charlottesville
OUCA	Chemical Abstracts, Ohio State University, Columbus	ViU-L	— Law Library
OkS	Oklahoma State University, Stillwater	ViW	College of William and Mary, Williamsburg
OkU	University of Oklahoma, Norman	VtMIM	Middlebury College, Middlebury, Vt.
OrCS	Oregon State University, Corvallis	VtU	University of Vermont and State Agricultural College, Burlington
OrPR	Reed College, Portland, Ore.	WAP	Institute of Paper Chemistry, Appleton
OrU	University of Oregon, Eugene	WHI	State Historical Society of Wisconsin, Madison
P	Pennsylvania State Library, Harrisburg	WU	University of Wisconsin, Madison
PBL	Lehigh University, Bethlehem, Pa.	WaU	University of Washington, Seattle
PBm	Bryn Mawr College, Bryn Mawr, Pa.	WvU	West Virginia University, Morgantown
PHC	Haverford College, Haverford, Pa.		
PLF	Franklin and Marshall College, Lancaster, Pa.		
PP	Free Library of Philadelphia		
PPAN	Academy of Natural Sciences, Philadelphia		
PPAmP	American Philosophical Society, Philadelphia		
PPC	College of Physicians of Philadelphia		

MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

VOLUME 16, NO. 4

JULY 1963

TABLE OF CONTENTS

Part A—Monographic Works

	Page
1. General.....	849
2. Bibliography.....	849
3. Philosophy & Religion.....	849
4. History.....	850
5. Social Sciences.....	852
6. Political Science.....	855
7. Law.....	856
8. Education.....	857
9. Music, Theater & Motion Pictures.....	857
10. Fine Arts.....	858
11. Language, Literature & Folklore.....	858
12. Geography & Geology.....	865
13. Science.....	866
14. Medicine.....	868
15. Agriculture.....	869
16. Technology.....	871
17. Military & Naval Sciences.....	880

Part B—Periodicals

1. General	
a. Scholarly journals.....	881
b. Popular magazines.....	881
2. Bibliography	
a. Bibliography.....	882
b. Libraries & library science.....	882
c. Printing & the book trade.....	882
3. Philosophy & Religion	
a. Philosophy.....	883
b. Religion.....	883
4. History	
a. General.....	883
b. Archaeology & antiquities.....	883
5. Social Sciences	
a. Commerce.....	883
b. Economics.....	883
c. Finance.....	884
d. Labor.....	884
e. Sociology.....	884
6. Political Science.....	884
7. Law.....	885
8. Education	
a. General.....	885
b. Physical education & games.....	885

	Page
9. Music, Theater & Motion Pictures	
<i>a.</i> Motion pictures.....	885
<i>b.</i> Music.....	885
<i>c.</i> Theater.....	885
10. Fine Arts	
<i>a.</i> General.....	886
<i>b.</i> Architecture.....	886
11. Language, Literature & Folklore	
<i>a.</i> Language.....	886
<i>b.</i> Literature & folklore.....	886
12. Geography & Geology	
<i>a.</i> Ethnology.....	887
<i>b.</i> Geography.....	887
<i>c.</i> Geology & paleontology.....	887
13. Science	
<i>a.</i> General.....	888
<i>b.</i> Astronomy.....	888
<i>c.</i> Biology.....	888
<i>d.</i> Chemistry.....	888
<i>e.</i> Mathematics.....	889
<i>f.</i> Physics.....	889
14. Medicine	
<i>a.</i> General.....	889
<i>b.</i> Gynecology, obstetrics & pediatrics.....	890
<i>c.</i> Neurology & psychiatry.....	890
<i>d.</i> Ophthalmology & otorhinolaryngology.....	.....
<i>e.</i> Pathology & therapeutics.....	890
<i>f.</i> Pharmacy & materia medica.....	890
<i>g.</i> Public health & nursing.....	890
<i>h.</i> Surgery & dentistry.....	890
<i>i.</i> Venereology & dermatology.....	.....
15. Agriculture	
<i>a.</i> General.....	890
<i>b.</i> Animal industry.....	891
<i>c.</i> Forestry.....	891
<i>d.</i> Plant culture.....	891
16. Technology	
<i>a.</i> General.....	891
<i>b.</i> Aeronautics.....	891
<i>c.</i> Chemical technology.....	892
<i>d.</i> Civil & construction engineering.....	892
<i>e.</i> Electrical engineering.....	893
<i>f.</i> Industries & trades.....	893
<i>g.</i> Mechanical engineering.....	893
<i>h.</i> Mining & metallurgy.....	894
17. Military & Naval Sciences	
<i>a.</i> Military science.....	895
<i>b.</i> Naval science.....	895
Part C—List of Periodicals Indexed and Abbreviations Used.....	896
Subject Index to Monographs and Periodicals.....	908

Periodicals Available in English Translation Cover-to-Cover.

1. GENERAL

[THE ALUPKA PALACE MUSEUM] Alupkinskii dvorets-muzei. [Tekst A. P. Pal'chikovoi]. Simferopol', Krymizdat, 1961. 47 p.
(JEN)

ANGELOV, G. [People's museums] Narodnye muzei. [Odessa] Odesskoe knizhnoe izd-vo, 1962. 126 p.

MOSCOW, INSTITUT NARODNOGO KHOZIAISTVA. [Collection of student scientific papers] Sbornik studenteskikh nauchnykh rabot. Moskva, 1962. 118 p.

2. BIBLIOGRAPHY

AKADEMIA NAUK ARMIAŃSKOI SSR, Erivan, Tsentral'naya biblioteka. [Bibliography of publications of the Academy of Sciences of Armenia; books and articles, 1935-1940] Bibliografiia izdani Akademi nauk Armianskoi SSR; knigi i stat'i, 1935-1940. Erevan, Akad. nauk Armianskoi SSR, 1950. 238 p. (MH)

AKIMOVA, N. A., S. M. VOIAKINA, and A. M. GORBU-NOV. [Latin American countries; recommended list of literature] Strany Latinskoj Ameriki; rekomendatsii i ukazatel' literatury. Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1962. 117 p.

AL'TSHUL', G. N. [Study of the book trade] Tovarovedenie knigi. Moskva, Izd-vo Tsentrsofuzna, 1962. 534 p.

KANAPIN, A. K. [Make the treasures of knowledge available to the people] Sokrovishcha znanii - narodu. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 40 p.

KLIMONOV, B. V. Ljudmila Nazarovna Abo. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 23 p. (Mastora agitatsionno-propagandistskoi raboty)

MASANOV, I. I. [In the world of pseudonyms,onyms, and literary forgeries] V mire psevdonimov i literaturnykh poddelok. Pod red. i so vstup. statei P. N. Derkova. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 318 p. (Istoriko-literaturnye i bibliograficheskie ocherki)

MOSCOW, GOSUDARSTVENNYI BIBLIOTECHNYI INSTITUT. [Acquisitions and the organization of library collections] Komplektovani i organizatsiia biblioteknykh fondov; uchebno-metodicheskoe posobie. Moskva, 1962. 38 p.

MOSCOW, GOSUDARSTVENNYI BIBLIOTECHNYI INSTITUT. [Descriptive cataloging of books; the alphabetical catalog] Opisanie proizvedenii pechat'i; alfavitnyi katalog. Metodicheskoe posobie. Moskva, 1962. 20 p.

MOSCOW, PUBLICHNAIA BIBLIOTEKA. [Catalog of candidate and doctoral dissertations received by the Lenin Library and the State Central Medical Library during the second quarter of 1962] Katalog kandidat-skikh i doktorskikh dissertatsii, postupivshikh v Biblioteku imeni V. I. Lenina i Gosudarstvennuiu Tsentral'nuiu nauchnuiu meditsinskuiu biblioteku vo 2-m kvartale 1962 goda. Moskva, 1962. 207 p.

[THE ROLE OF THE PUBLIC IN THE WORK OF THE LIBRARY] Rol' obshchestvennosti v rabote bibliotek. Moskva, Gos. biblioteka SSSR, im. V. I. Lenina, 1963. 61 p. (Obshchestvennye nachala - v biblioteknoe delo)

RUSSIA (1917- R. S. F. S. R.) Ministerstvo kul'tury. [Library classification tables for province libraries] Tablitsy biblioteknoi klassifikatsii dlia oblastnykh bibliotek. Pod red. Z. N. Ambartsumiana. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 250 p.

SADOVA, M. A. [In quest of books; bibliographical searching to answer readers' requests] V poiskakh knigi; bibliograficheskie razyskaniiia pri vypolnenii chitatel'skikh trebovani. Pod red. i s predisl. M. A. Briskmana. Moskva, Izd-vo Vses. knizhnoe palaty, 1963. 83 p.

SEREGIN, A. I. [There should be a library for every family] Kazhdoi sem'e - biblioteka! [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 19 p.

[TRAINING AND IMPROVING THE QUALIFICATIONS OF VOLUNTEER LIBRARIANS] Podgotovka i povyshenie kvalifikatsii bibliotekarej-obshchestvennikov. Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1963. 21 p. (Obshchestvennye nachala - biblioteknoe delo)

TROITSKII, A. D., and others, comps. [German-Russian printing dictionary] Nemetsko-russkii poligraficheskii slovar'. Pod red. A. N. Chernysheva. Moskva, Fizmatgiz, 1962. 375 p.

URACHAN, V. N. [Soviet Event National Area; a bibliographical index] Sovetskaiia Evenkii; bibliograficheskii ukazatel'. [Krasnoiarak] Krasnoiarakskoe knizhnoe izd-vo, 1962. 86 p. [MICROFILM]

VILNA, UNIVERSITETAS, Moksline biblioteka. [Old Lithuanian books in Vilna University; bibliographical index of publications prior to the 19th century] Senoji Lietuviška knyga Vilniaus universitete; leidiniai iki 1800 m. bibliografijos rodyklė. Vilnius, 1959. 130 p. [In Lithuanian]

VSESOIUZNAIA KNIZHNAIA PALATA. [Universal decimal classification] Universal'naya desiatichnaya klassifikatsiia. Moskva, 1962. 722 p.

ZHUKOVSKAIA, I. P. [Development of Slavic-Russian paleography; in prerevolutionary Russia and the U. S. S. R.] Razvitiie slavyano-russkoi paleografii; v dorevoliutsionnoi Rossii i v SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 141 p.

3. PHILOSOPHY & RELIGION

AKADEMIA NAUK SSSR, Institut filosofii. [Ancient Hindu philosophy; the early period] Drevneindiskaya filosofii; nachal'nyi period. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1963. 271 p. (Filosofskoe nasledie)

AKADEMIA NAUK SSSR, Muzei istorii, religii i ateizma. [Yearbook of the Museum of the History of Religion and Atheism] Ezhegodnik. Moskva, Izd-vo Akad. nauk SSSR, Vol. 6. [Criticism of contemporary religious ideology] Kritika sovremennoi religioznoi ideologii. 1962. 480 p.

ASTAKHOV, I. B. [Art and the problem of the beautiful] Iskusstvo i problema prekrasnogo. Moskva, Sovetskii pisatel', 1963. 169 p.

BELOKHVOSTOV, F. I. [The secret of the Pitirim well] Taina pitirimskogo kolodtsa. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 26 p.

CRUZ COSTA, JOÃO. [Review of the history of philosophy in Brazil. Translated from the Portuguese] Obzor istorii filosofii v Brazili. Red. A. A. Makarov. Vstup. stat'ia Zh. A. Bazariana. Moskva, Izd-vo mostr. lit-ry, 1962. 145 p. (LaU)

DARDYKIN, N. P., and others. [Principles of scientific atheism] Osnovy nauchnogo ateizma. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 389 p. (InU)

DIDUSENKO, A. A. [Personally responsible] Otvetstvennye delo. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. X Seriya: Molodezhnaya, no. 5)

[FROM DARKNESS TO LIGHT; an antireligious reader] Ot mraka k svetu; antireligioznaya kniga dlia chteniia. Moskva, Gos. izd-vo detskoi lit-ry, 1959. 349 p. (Shkol'naya biblioteka) (IU)

GABINSKII, G. A. ["Credo, quia absurdum"; logic against religion] "Verulu, potomu chto nelepo"; logika protiv religii. Moskva, Gospolitizdat, 1963. 85 p.

GAL'DIAEV, P. K. [This ennobles man] Eto ukrashaet cheloveka. Moskva, Gospolitizdat, 1962. 47 p. (Moral'nyi kodeks stroitelia kommunizma)

GRIGOR'EV, P. G. [Nikita Iakovlevich Bichurin; a study] Nikita Iakovlevich Bichurin; ocherk. Shupashkar. Chuvaah ASSR Gos. izd-vo, 1964. 51 p. (LaU)

KALLER, A. I. [D. I. Pisarev's ethical views] Ehticheskie vzglady D. I. Pisareva. Moskva, Vysshaya shkola, 1962. 102 p. (Materialy k tekstam po filosofii)

KONOVALOV, G. M. [Work, beauty, culture] Trud, krasota, kul'tura. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 1)

KRASNOV, I. U., and A. V. MASKULINA. [Proper conduct for young people] O kul'ture povedeniia molodogo cheloveka. [Moskva] Molodaya gvardiia, 1962. 101 p.

KUDENKO, O. I. [There is always a place for heroic deeds in life] V zhizni vsегда est' mesto podvigu; zametki zhurnalista. Moskva, Gospolitizdat, 1963. 71 p. (Vremia i ljudi)

KURYLAS, BOHDAN. [Conversion of Archbishop Meletii Smotryts'kii from the historical and psychological viewpoint] Z'vedennia arkhiepyskopa k etetii Smotryts'koho v istorichnomu i psykholoichnomu nasvitienni. L'unio de l'archeveque M. Smotrytsky dans la lumiere de l'histoire et de la psychologie. Brussels, Centre Ukrainien d'etudes en Belgique, 1962. 130 p. (MH)

[LITERATURE IN THE STRUGGLE AGAINST RELIGION] Khudozhestvennaya literatura v bor'be s religiei. Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 174 p.

MARYSOVA, L. I. [What constitutes the beauty of Soviet man] U chomu krasa radians'kot liudyny. Kyiv, Radians'ka shkola, 1963. 96 p.

MOLODTSOV, V. S. [Every builder of communism should acquire the scientific view of life] Nauchnoe mirovopozrenie - kazhdomu stroitelu kommunizma. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. II Seriya: Filosofii, no. 6)

MOSCOW, UNIVERSITET, Kafedra dialekticheskogo i istoricheskogo materializma. [Lectures on Marxist-Leninist ethics] Lektsii po marksistsko-leninskoi etike; prochitannye na respublikanskoi seminarie prepodavatelei vuzov po kursu marksistsko-leninskoi etiki 18-28 marta 1960 g. Pod red. V. T. Efimova i dr. Moskva, 1960. 155 p.

NAUCHNAIA KONFERENTSIIA PO PROBLEME KOMMUNISTICHESKOGO VOSPITANIA TRUDIASHCHIKHSIA V PERIOD RAZVERNUTOGO STROITEL'STVA KOMMUNIZMA, Novosibirsk, 1961. [Problems in the theory and practice of scientific atheism] Voprosy teorii i praktiki nauchnogo ateizma. Novosibirsk, Izd-vo Sibirskogo otd-nia AN SSSR, 1961. 228 p. (Ug:Materialy, no. 2) (MH)

[PAMPHLET SERIES FOR THE STUDENT IN THE PEOPLE'S UNIVERSITY OF ATHEISM] Bibliotekha stukhacha narodnogo universiteta ateizmu. Kyiv, Derzhpolityvdav, 1962, 8 nos. in 1 v.
 Tancher, V.K. [Why we propagate atheism] Chomu my propagujemo ateizm.
 Tykhon'ko, I.E. [Infinite and limitless world...] Nesivorenyi, bezmeznyi...
 Depenchuk, N.P. [Science and religion on the origin of life] Nauka i religia pro pokhodzhennia zhyttia.
 Korotkov, M.D. [From ape to man] Vid mavpy do ludy.
 Prykhod'ko, R.S. [The Orthodox Church is the enemy of science and progress] Pravoslav'ia - voroh nauki i progressu.
 Telychuk, P.P. [The Vatican in the service of imperialism] Vatikan na sluzhbi imperializmu.
 Onyshchenko, O.S. [Futile efforts; how the secularists try to adopt themselves to Soviet life] Marini namahannia; yak sekianty pryslousovut'sia do radians'koj dilanosti.
 Iampol's'kyl, K.I. [Good and evil; a critical evaluation of religious ethics] Pro dobro i zlo; krytyka religioznoi morali.

[PROPHETS OF THE SECOND ADVENT, or testimonies of people prophesying the imminence of the end of the world and of the Second Advent of Jesus Christ] O prorokakh vtorogo prishestvia ili Svidetel'stva liudi, propovedovavshikh blizost' kontsa mira i vtorogo prishestvia Iisusa Khrista. Moskva, Gospolizdat, 1962. 109 p.

RAZIN, V.I. [How to guide a philosophy study group] Kak provodit' zaniattia po filosofii. Moskva, Gospolizdat, 1962. 43 p. (Metodicheskie sovery po filosofii)

RUSSIA (1923- U.S.S.R.) Upravlenie prepodavaniia obshchestvennykh nauk. [List of the minimum required literature for those studying dialectical and historical materialism (for students not majoring in philosophy)] Spisaki literatury kandidatskogo minimuma po dialekticheskomu i istoricheskomu materializmu (dlia nefilosofskikh spetsial'nostei). Moskva, Gos. izd-vo "Vysshiaia shkola, 1962. 14 p.

SMIRNOV, NIKOLAI. [Golden chain of Russian sanctity] Zolotaia tsep' sviatosti na Rusi. Buenos Aires, Nasha strana, 1958. 266 p. (Iu)

VELIKOVICH, L.N. [Helmets and soulans; religion in the service of West German imperialism] Kaski i sutany; religia na sluzhbe zapadnogermanskikh imperialistov. Moskva, Voenizdat, 1962. 113 p. (Nauchno-populnarnaia biblioteka)

VOITKO, V.I. [Dialectical and historical materialism] Dialekticheski i istoricheski materializm; kurs lektii. [Kiev] Izd-vo Kievskogo univ., 1962. 389 p.

ZYBKOVETS, V.F. [Black and white magic] O chernoi i beloi magii. Moskva, Gospolizdat, 1963. 125 p.

4. HISTORY

ABUSCH, ALEXANDER. [A nation's wrong course; a contribution to the understanding of German history. Translated from the German] Lozhnyi put' odnoi natsii; k ponimaniu germanskoi istorii. Moskva, [Izd-vo sotsial'no-ekonom. lit-ry] 1962. 348 p. (Iu)

AGAIAN, TS. P. [The Great October Revolution and the struggle of the workers of Armenia for the victory of the Soviet regime] Veliki Oktiabr' i bor'ba trudiashchikh Armenii za pobedu Sovetskoi vlasti. Erevan, Izd-vo AN Armianskoi SSR, 1962. 447 p.

AKADEMIA NAUK KAZAKHSTANSSKOI SSR, Alma-Ata. Institut filosofii i prava. [History of the state and law of Soviet Kazakhstan] Istorii gosudarstva i prava Sovetskogo Kazakhstana. Pod red. S. Z. Zimanova, M. A. Bindera. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol. 2. 1926-1937 gody. 1963. 482 p.

AKADEMIA NAUK SSSR. Institut istorii. [Soviet historical studies from the 20th to the 22d Congress of the CPSU; the history of Western Europe and America] Sovetskaiia istoricheskaia nauka ot XX k XXII s'ezdu KPSS; istoriia Zapadnoi Evropy i Ameriki. Sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1963. 318 p.

AKADEMIA NAUK TADZHIKSSKOI SSR, Dushanbe. Institut istorii. [Collection of source materials from the 17th-19th centuries on the history of Ura-Tyube] Materialy po istorii Ura-Tyube; sbornik aktov XVII-XIX vv. Sost. i perevod i predisl. A. Mukhtarova. Pod red. A. A. Semanova i O. D. Chekhovich. Moskva, Izd-vo vostochnoi lit-ry, 1963. 134 p.

AKADEMIA NAUK TURKMENSSKOI SSR, Ashkhabad. Institut istorii, arkheologii i etnografii. [Penetration of revolutionary ideas into Turkmenistan and the development of the revolutionary movement in this country in 1881-1907; documents and source materials] Proniknovenie revoliutsionnykh idei i razvitiie revoliutsionnogo dvizheniia v Turkmenistane v 1881-1907 gody; dokumenty i materialy. Pod red. B. Kurbanova i L. R. Semenovoi. Ashkhabad, Izd-vo Akad. nauk Turkmen-skoi SSR, 1962. 521 p.

AKADEMIA NAUK UZBEKSSKOI SSR, Tashkent. Muzei istorii Uzbekskoi SSR. [Materials on the history of Uzbekistan] Materialy po istorii Uzbekistana. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 139 p.

APTHEKER, HERBERT. [The American Revolution, 1763-1783; a history of the American people. Translated from the English] Amerikanskaia revoliutsiia 1763-1783; istoriia amerikanskogo naroda. Moskva, Izd-vo inostr. lit-ry, 1962. 381 p. (Iu)

ARATO, ENDRE. [Hungarian public opinion and the nationality problem in the 1840's] Vengerskoe obshchestvennoe mnenie i natsional'nyi vopros v 40-kh godakh proshlogo veka. Budapest, Akademiai Kiado, 1960. 49 p. (Studia historica Academiae Scientiarum Hungaricae, no. 30) [With summary in French]

ASTAKHOV, V.I. [A lecture course on Russian historiography] Kurs lektii po russkoi istoriografii. Khar'kov, Izd-vo Khar'kovskogo gos. univ. Pt. 2. [Period of industrial capitalism] Epokha promyshlennogo kapitalizma. 1962. 266 p.

AZERBAIJAN, S'ezd Sovetov. [Resolutions and decisions of the Congresses of the Soviets of Azerbaijan, 1921-1937] Rezoliutsii i postanovleniia s'ezdov Sovetov Azerbaidzhanskoi SSR, 1921-1937 gg. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1961. 200 p. (MH)

BADER, O.N. [A burial mound near the village of Balanovo; history of the Volga Valley woodland in the bronze age] Balanovskii mogil'nik; iz istorii lesnogo Povolzh'ia v epokhu bronzы. Moskva, Izd-vo Akad. nauk SSSR, 1963. 368 p.

BARAKHOVSKII, S.A., and F.A. KAREVSKII. [Patriotic feats of the workers of Kuybyshev Province during the years of the Great Patriotic War] Patrioticheski podvig trudiashchikh Kuybyshevskoi oblasti v gody Velikoi Otechestvennoi volny. [Kuybyshev] Kuybyshevskoe knizhnoe izd-vo, 1961. 49 p. (Iz istorii Kuybyshevskoi organizatsii KPSS) (MH)

BEGHIAN, A. Z. [Establishment and consolidation of the sovereign Armenian state] Obrazovanie i uprochenie suverennogo Sovetskogo Armianskogo gosudarstva. Pod red. N. P. Farberova. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 265 p.

BERIKETOV, K.G. [Lenin and the peoples of the Caucasus] Lenin i narody Kavkaza. Pod obshchiel red. F. D. Kretova. Na'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1961. 177 p. (CS-H)

BERKHIN, I.B. [From the dictatorship of the proletariat to the national state] Ot gosudarstva diktatury proletariata k obshchenarodnomu gosudarstvu; istoricheski ocherk. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seria: Istorii, no. 8)

BOGDANOV, M.A. [Defeat of the 1921 revolt of kulak and Socialist Revolutionary forces in Western Siberia] Razгром zapadnosibirskogo kulaksko-ekonomskogo mlazetza 1921 g. Tiumen' [Tiumenskoe knizhnoe izd-vo] 1961. 108 p. (CS-H)

BORODAVKIN, A.P., and G.P. SHATROVA. [G.S. Batenkov, a Decembrist] Dekabrist G.S. Batenkov. [Tomsk] Tomskoe knizhnoe izd-vo, 1960. 69 p. (Zamochitel'nye sibirski)

[MICROFILM]

BZHES'KYI, ROMAN. [Outline history of the Ukrainian liberation movements from 1917 to 1922; events about which history has remained silent] Narysy z istorii ukrains'kykh vyzvol'nykh zmahan' 1917-1922 rr; pro shcho "istoriia movchit'." [Detroit, 1961. 381 p. [Publ. under his pseud. R. Mlynovets'kyl] (In U)

CHALENKO, R.K. [Realization of the eternal dream of the Ukrainian people] Zdlisnennia vikovichnoi mrii ukrains'koho narodu. [Kyiv] Vyd-vo Kyivs'koho univ., 1960. 264 p. (CU)

DADIANI, NIKO. [Life of the Georgian people] Zhizn' gruzin. Tekst izdal, predisl., isledovanie, kommentarii, ukazateli i slovarem snabdi Sh. V. Burdzhnadz, Tbilisi, Akad. nauk Gruzinskoi SSR, 1962. 281 p. facsim. [In Georgian] (MH)

DANOV, G.P. [General Housinger's dreams] Chio snitsia generalu Khoizingeru. Moskva, Gospolizdat, 1962. 30 p.

DAVIDSON, BASIL. [Old Africa rediscovered. Translated from the English] Novoe otkrytie drevnoi Afriki. [Pod red. i s predisl. I. I. Potekmina] Moskva, Izd-vo vostochnoi lit-ry, 1962. 314 p. (CU)

DIAZ ROZZOTTO, JAIME. [The character of the Guatemalan revolution; the decline of the traditional bourgeois-democratic revolution. Translated from the Spanish] Kharakter gvatemal'skoi revoliutsii; zakat traditsionnoi burzhuazno-demokraticheskoi revoliutsii. Red. A. F. Shul'govskogo. Moskva, Izd-vo inostr. lit-ry, 1962. 350 p. (Iu)

DIKOV, N.N. [The bronze age in Transbaikalia] Bronzovyi vek Zabalkal'ia. Ulan-Ude, Burzatskii kompleksnyi nauchno-issl. i in-t Sibirskogo otd-nia Akad. nauk SSSR, 1966. 105 p. (MH)

[DOCUMENTS AND MATERIALS RELATING TO THE HISTORY OF INTERNATIONAL PROLETARIAN SOLIDARITY] Iz istorii mezhdunarodnoi proletarskoi solidarnosti; dokumenty i materialy. Olav. red. G. A. Delov i dr. Moskva, Sovetskaiia Rossiia, 1962. Vol. 6. [International solidarity of workers in the struggle for peace and national liberation against fascist aggression, for the complete annihilation of fascism in Europe and Asia, 1938-1945] Mozhidunarodnaia solidarnost' trudiashchikh v bor'be za mir i natsional'noe osvobodzhenie protiv fashistskoi agreszii, za polnoe unichozhenie fashizma v Evrope i Azii, 1938-1945. Moskva, Sovetskaiia Rossiia, 1962. 708 p.

DUCLAS, JACQUES. [Storming the heavens; the Paris Commune was a forerunner of the new world. Translated from the French] Na shurm neba; Parizskaiia kommuna - predvestnitsa novogo mira. Perevod s frantsuzskogo [i redaktsionnye primechania A. I. Moloka] Moskva, Izd-vo inostr. lit-ry, 1962. 312 p. (Iu)

ELEUCOV, TAZHEN. [M.V. Frunze in Kazakhstan] M.V. Frunze Kazakstanda. Almaty, Kazak memtekei baspasy, 1962. 81 p. [In Kazakh]

ELISEEV, FEDOR. [The Lapa Regiment and the last days in the Kuban, 1920] Iabintsiy i poslednie dni na Kubani, 1920 g. New York. Vols. 1-3. 1962. maps. (MH)

[FOR OUR MOTHERLAND, FREEDOM, AND HONOR; sketches on Heroes of the Soviet Union, natives of Gorkiy] Za otchiznu, svobodu i chest' ocherki o geroiakh Sovetskogo Soiuza - gor'kovchansk. [Gorkii] Gor'kovskoe knizhnoe izd-vo, 1961- i v. (CS-H)

GANEV, R.G. [Soviets of Baskiria in 1919-1920; based on materials of the Ufim Government] Sovety Bashkirii v 1919-1920 godakh; po materialam Ufinskoi gubernii. Ufa, Bashkirskoe knizhnoe izd-vo, 1961. 132 p. (CS-H)

- GEIUSHEV, Z. B. [Philosophy of Gasan-bek Zardabi] Mirovozzrenie G. B. Zardabi. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 401 p.
- GRITSSENKO, N. P. [Sources of the friendship of the Chechen-Ingush people with the great Russian people] Istoki druzhby checheno-Ingushskogo naroda s velikim russkim narodom. Grozny, Checheno-Ingushskoe otdelenie Obshchestva po rasprostraneniю politicheskikh i nauchnykh znaniy RSFSR, 1962. 35 p. (MH)
- GUSEV, K. V. [The collapse of the party of the left socialist revolutionaries] Krakh partii levyykh eserov. Moskva, Sotsekgiz, 1963. 258 p.
- HELMOLDUS, Presbyter bosoviensis, fl. 1168. [The chronicle of the Slavs. Translated from the Latin] Slavyanskaya khronika. Moskva, Izd-vo Akad. nauk SSSR, 1963. 298 p. (Pamiatniki srednevekovoi istorii narodov Tsentral'noi i Vostochnoi Evropy)
- MURZHII, I. O. Semen Markusha. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola", 1962. 37 p.
- HUTCHINSON, ALFRED. [Road to Ghana. Abridged translation from the English] Put' v Gannu. Moskva, Izd-vo vostochnoi lit-ry, 1961. 225 p. (NIC) (CU)
- IBRAGIMOV, DZHAFAR. [Feudal states on the territory of Azerbaijan in the 15th century] Feodal'nye gosudarstva na territorii Azerbaidzhana XV veka. Baku, Azerbaidzhanskii gos. pedagog. in-t, 1962. 111 p.
- ILESHIN, B. I. [V. I. Lenin on the Tambov territory] V. I. Lenin o Tambovskom krae. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 26 p.
- INOIATOV, KH. SH. [An answer to the falsifiers of the history of Soviet Central Asia and Kazakhstan] Olvet falsifikatoram istorii Sovetskoi Srednei Azii i Kazakhstana. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 196 p. (CSI-H)
- ISRAELIAN, V. L., and L. N. NEZHINSKII. [Most recent history of Hungary, 1918-1962] Novейшая istoria Vengrii, 1918-1962 gg.; uchebnoe posobie. Moskva, Izd-vo IMO, 1962. 266 p.
- IUSHCHENKO, M. D. [Political propaganda of Ukrainian Communists during the occupation of the Ukraine by German fascists] Agitatsiia i propaganda komunistiv Ukrainy v umovakh nimets'ko-fashists'koi okupatsii. [Kyiv] Vyd-vo Kyivs'koho univ., 1962. 173 p.
- IUZHZHO-TURKMENISTANSKAIA ARKHEOLOGICHESKAIA KOMPLEKSNAIA EKSPEDITSIIA, 1946- [Transactions of the Southern Turkmenistan Archaeological Expedition, 1946-] Trudy. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR. Vol. 12. 1963. 371 p.
- IVASHIN, V. G. [The struggle of the Bolsheviks of White Russia against the Kornilov forces] Bor'ba bol'shevikov Belorussii protiv kornilovshchiny. Minsk, Izd-vo M-va vysshego, srednego spets. i prof. obrazovaniia BSSR, 1962. 81 p. (Iz istorii KPB) (CSI-H)
- KAFADARIAN, KARO. [The city of Dvin and its excavations; results of the work of the archaeological expedition of the Academy of Sciences of Armenia from 1937 to 1950] Gorod Dvin i ego raspolozheniye; rezul'taty rabot arkheologicheskoi ekspeditsii Akademii nauk Armianskoi SSR 1937-1950 godov. Erevan, Akad. nauk Armianskoi SSR. [In Armenian] Vol. 1. 1952. (MH)
- KALMYKOV, B. E. [Articles and speeches] Stati i rechi. Pod red. B. Kh. Tsykyllova. Na'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1961. 149 p. (WU)
- KAPSUKAS, VINCAS. [Works] Rastai. Vilnius, Valstybine grozines literaturos leidykla. [In Lithuanian] Vol. 5. 1962. 525 p.
- KAZAKOVA, A. S. [The motherland is proud of them; deeds of Uzbek Heroes of the Soviet Union] Imi gorditsia Rodina; podvigi Geroev Sovetskogo Soiuza - uzbekistantsiev. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1961. 178 p. (CSI-H)
- KAZIEV, S. M. [Album of urn burial in Mingechaur] Albom kuvshinykh pogrebenii. [Mingechaur]. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1960. 26 p. 44 plates. [In Azerbaijani and Russian] (MH)
- KLEPININ, N. A. [Grand Duke Alexander Nevski; Saint and true believer] Sviatoi i blagovernnyi Velikii kniaz' Aleksandr Nevskii. Paris, YMCA-Press [1961?]. 202 p. (NNC)
- ["KOLOKOL": published by A. I. Herten and N. P. Ogarev (Free Russian Press) in 1857-1867, London-Geneva] Kolokol; gazeta A. I. Gertsena i N. P. Ogareva. Vol'naia Russkaiia Tipografiia, 1857-1867 London-Zheneva. Faksimil'noe izdanie. Moskva, Izd-vo Akad. nauk SSSR. No. 6. London, 1863. 1963. 1270-1444 p.
- KOMI A. S. S. R. Verkhovnyi Sovet. [Jubilee session devoted to the 40th anniversary of the Komi Autonomous Soviet Socialist Republic, August 19, 1961] Jubileinaiia sessiia posviashchennaiia 40-letiiu Komi Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki, 19 Avgusta 1961. Syktyvkar, Komi knizhnoe izd-vo, 1961. 211 p. (40 let Komi ASSR) (MH)
- KOMMUNISTICHESKAIA PARTIIA SOVETSKOGO SOIUZA, Krasnoarskii kraevoi komitet. Partinnyi arkhiv. [The fiery years; reminiscences by participants in the Krasnoyarsk Bolshevik underground and the partisan movement in the Yenisey Government during the struggle for the Soviet regime, 1918-1920] Gody ognelyo; sbornik vospominanii uchastnikov krasnoarskogo bol'shevistskogo podpol'ia i partizanskogo dvizheniia Eniseiskoi gubernii v bor'bu za vlast' Sovetov, 1918-1920 gody. [Krasnoyarsk] Krasnoarskoe knizhnoe izd-vo, 1962. 403 p. (MH)
- KONDRAT'EV, V. A. [Their names are in the history of Moscow] Imena v istorii Moskvy. [Moskva] Mosk. rabochii, 1963. 189 p.
- KOROLEV, N. V. [Countries of Latin America in international relations, 1898-1962] Strany Latinskoi Ameriki v mezhdunarodnykh otnosheniiakh, 1898-1962 gg. Pod red. P. V. Milogradova. Kishinev, Gos. izd-vo "Karta moldovenaske", 1962. 305 p. (MICROFILM)
- KRASNOYARSK. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Kafedra istorii. [On the study of the Yenisey Government economy at the end of the 19th and the beginning of the 20th century] K izucheniiu ekonomiki Eniseiskoi gubernii kontsa XIX-nachala XX vv.; sbornik statei i dokumentov. [Krasnoyarsk] Krasnoyarskoe knizhnoe izd-vo, 1962. 249 p.
- KRASNOYARSK. KRAEVOI GOSUDARSTVENNYI ARKHIIV. [The Krasnoyarsk Soviet, March, 1917-June, 1918; collected documents of the proceedings and decisions of the congresses of the Soviets, the plenary sessions, and the executive committee and its departments] Krasnoyarskii Sovet, mart 1917 g. - iun' 1918 g.; protokoly i postanovleniia s'ezdov Sovetov, plennumov, ispolkoma i otdelov. Sbornik dokumentov. Krasnoyarsk, 1960. 591 p.
- KRUGLOV, I. S. [Unforgettable years; reminiscences of a participant of three Russian revolutions] Neza-byvaemye gody; vospominaniia uchastnika trekh russkikh revoliutsii. Izd. 2., dop. i perer. [Kalinin] Kalinskoe knizhnoe izd-vo, 1961. 106 p. (CSI-H)
- KRUSHANOV, A. I. [Struggle for the Soviet regime in the Far East and Transbaikalia, April, 1918-March, 1920] Bor'ba za vlast' Sovetov na Dal'nem Vostoke i Zabalkai'e; aprel' 1918 - mart 1920 g. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 364 p.
- LEVCHUK, D. [Hetman Pavlo Skoropads'kyi in the light of historical facts] Het'man Pavlo Skoropads'kyi; u svitli istorichnykh faktiv. Toronto, "Nasha Derzhava", 1962. 15 p. (CIY)
- LUTERS, A., comp. [Jants Luters-Bobis. Pages from the life of an underground revolutionary; articles and reminiscences] Jants Luter-Bobis. Stranitsy zhizni revoliutsionera podpol'shchika; sbornik statei i vospominanii. Riga, Latvieskoe gos. izd-vo, 1962. 419 p. (MH)
- LYTVYN, K. Z. [The Ukraine in questions] Ukraina u zapytannakh vidpovidnikh. Kyiv, Derzh. vyd-vo polit. lit-ry URSSR, 1961. 174 p. (WU)
- MARUNCHAK, M. G. [System of Nazi concentration camps and the policy of extermination in the Ukraine] Sistema nymets'kykh kontsistoriv i polityka vynyshchuvannia v Ukraini. Winnipeg, Zahal'na biblioteka "YKT", 1963. 87 p.
- MELESHKO, V. I. [Slonim; an historical sketch] Slonim; istoricheskii ocherk. Minsk, Goslzdat BSSR, 1962. 77 p. (MH)
- MESNIAEV, G. V. [Fields of an unknown land] Polia nevedomoi zemli. [n.p.] 1962. 227 p.
- MIRAM-ZIBENS, JANIS. [Armed uprising in Riga, January 3, 1919. Translated from the Latvian] Vooruzhennoe vosstanie v Rige 3 Ianvaria 1919 goda; vospominaniia. Riga, Latvieskoe gos. izd-vo, 1959. 115 p. (MdB)
- MOSCOW. GOSUDARSTVENNAIA PUBLICHNAIA ISTORICHESKAIA BIBLIOTEKA. [History of the U. S. S. R.; annotated bibliography for secondary school teachers] Istoriia SSSR; annotirovannyi ukazatel' literaturnykh uchitel' srednei shkoly. 4. izd., ispr. i dop. Pod red. S. S. Dmitrieva. Moskva, Izd-vo Vses. knizhnoe palaty, No. 1. 1962. 246 p.
- MOSCOW. INSTITUT MARKSIZMA-LENINIZMA. [Vladimir Il'ich Lenin; a biography] Vladimir Il'ich Lenin; biografiia. Izd. 2. Moskva, Gospolitizdat, 1963. 702 p.
- MOSCOW. PUBLICHNAIA BIBLIOTEKA. [Unforgettable heroism of the Russian people; the Patriotic War of 1912; annotated bibliography of recommended reading] Besmertnyi podvig naroda; Otechestvennaia voina 1912 goda. Rekomendatel'nyi ukazatel' literatury. Moskva, 1963. 30 p.
- MOSKALEV, M. A. [Control by Lenin's method] Kontrol' po-leninski. Moskva, Izd-vo "Znanie", 1963. 29 p. (Novoe v zhizni, nauke, tekhnike. I Seriya: Istoriia, no. 7)
- NAIMUSHIN, V. V. [Daybreak approaches; labor and Social-Democratic movement in the Vyatka government on the eve of the Revolution, 1905-1907] Zare navstrechu; rabochee i sotsial'-demokraticheskoe dvizhenie v Tiat'skoi gubernii nakunne revoliutsii 1905-1907 godov. [Kirov] Kirovskoe knizhnoe izd-vo, 1961. 113 p. (MH)
- NAL'CHIK. KABARDINSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Kafedra marksizma-leninizma. [Essentuki; sketch on its history and economy from 1798 through 1958] Essentuki; istoriki ekonomicheskii ocherk, 1798-1958 gg. Na'chik, 1961. 189 p.
- NAUCHNAIA SESSIJA, POSVIASHCHENNAIA 40-LETIIU RAPALL'SKOGO DOGOVORA, 1962. [The Treaty of Rapallo and the problem of peaceful coexistence] Rapall'skii dogovor i problema mirnogo sosedchestva. Materialy. Red. kollegiia: A. Anderle i dr. Moskva, Izd-vo inostr. lit-ry, 1963. 291 p.
- [PEOPLES OF THE U. S. S. R. AND CUBA FOREVER TOGETHER; documents of Soviet-Cuban friendship] Narody SSSR i Kuby naveki vmeste; dokumenty sovetskoi-kubinskoi druzhby. Moskva, Izd-vo "Pravda", 1963. 446 p.
- PERESVETOV, R. T. [Search for a priceless legacy; the fate of some of V. I. Lenin's manuscripts] Polski bestsennogo nasledii; o sud'be nekotorykh rukopisei V. I. Lenina. Moskva, Gospolitizdat, 1963. 317 p.
- PETROV, V. [Finland in the plans of the imperialists; powers from 1918 to 1920] Finlandiia v planakh imperialisticheskikh derzhav v 1918-1920 godakh. Pet zavedsk. Gos. izd-vo Karel'skoi ASSR, 1961. 71 p. (CSI-H)
- POLIKARPENKO, H., pseud. [Organization of Ukrainian Nationalists during the Second World War] Organizatsiia Ukrainats'kykh Natsionalistiv pidchas Druhoi Svitvoi voiny. 4., dop. vyd. Za red. B. Mykhailuka. [Winnipeg] 1961. 147 p. (InU)
- PROEKTOR, D. M. [The war in Europe in 1939-1941] Voina v Evrope, 1939-1941 gg. Moskva, Voenizdat, 1963. 435 p.
- RODIMTSEV, A. I. [These are your sons, O motherland! A notebook of the war years] Tvoi, Rodina, synov'ia! Zapiski voennykh let. Kiev, Gos. izd-vo polit. lit-ry USSR, 1962. 273 p. (CSI-H)

- SAMOILO, A. S. [English colonies in North America in the 17th century; early period of the history of the U. S. A.] Anglijskie kolonii v Severnoi Amerike v XVII veke; nachalnyi period istorii SShA. Moskva, Izd-vo Akad. nauk SSSR, 1963. 321 p.
- SARKISIAN, E. K. [Expansionist policy of the Ottoman Empire in Transcaucasia on the eve of and during the First World War] Ekspanzionistskaya politika Osman'skoi imperii v Zakavkaz'e nakanune i v gody Pervoi mirovoi volny. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 495 p.
- SHASTITKO, P. M. [One hundred years of the deprivation of rights; situation of the Hindus in the Union of South Africa, 1860-1960] Sto let bespravlia; polozenie inditsev v Iuzhno-Afrikanskom Soluze, 1860-1960 gg. Moskva, Izd-vo Vostochnoi lit-ry, 1963. 164 p.
- [SOCIALIST SOVIET REPUBLIC OF LATVIA IN 1919 AND FOREIGN INTERVENTION; documents and materials] Sotsialisticheskaya Sovetskaya Respublika Latvii v 1919 g. i inostrannaya interventsia; dokumenty i materialy. Riga, Izd-vo Akad. nauk Latvii-skoi SSR, 1959-1960. 2 v. (Wau)
- SOLOMATIN, M. D. [Krasnograd Corps] Krasnograd'sky. Moskva, Voenizdat, 1963. 187 p.
- SUIARKO, L. O. [World-wide significance of the establishment of the U. S. S. R.] Svitove znachennia utvorennia Soluzu SSR, 1922-1924 rr. [Kyiv] Vyd-vo Kyiv's'koho univ., 1960. 205 p. (MH) (NMC)
- TSYPYLOV, I. V. [Fighters remember bygone days; personal recollections of the Tsyplov brothers as told to Il'ia Chernov] Boitsy vspominaiut dni; [lichnye vospominaniia brat'ev Tsyplov] Literaturnaia zapis' Il'ia Chernova. Ulan-Ude, Burial'skoe knizhnoe izd-vo, 1961. 144 p. (InU) (MH)
- TURLUGULOV, T. [Remarkable events in the history of the Kazakh S. S. R.] Kazak SSR tarikhynan epizodtyk engimeler; 4 klassa arnalgan oku kuraly. Almaty, Kazak'tyn memleketiik oku-pedagogika baspasy, 1962. 66 p. [In Kazakh]
- TURSUNOV, KH. T. [The uprising of 1916 in Central Asia and Kazakhstan] Vostanie 1916 goda v Srednei Azii i Kazakhstane. Tashkent, Gos. izd-vo UzSSR, 1962. 426 p.
- UL'IANOV, N. [Russia's historical experiment] Istoricheskiy opyt Rossii. New York [Rausen, printer] 1962. 31 p. (VIMM)
- URAL'SKOE ARKHEOLOGICHESKOE SOVESHCANIE. 2d. Sverdlovsk, 1961. [Second Ural Archaeological Congress at the Ural University] Vtoroe Ural'skoe arkhelogicheskoe soveshchanie pri Ural'skom universitete. Sverdlovsk, 1961. 2 v. (Voprosy arkhelologii Urals, nos. 1-2) (MH)
- VESELOVSKII, S. B. [The environs of Moscow; memorable places in the history of Russian culture from the 14th to the 19th century] Podmoskov'e; pamiatnye mesta v istorii russkoi kul'tury XIV-XIX vekov. [Moskva] Mosk. rabochii, 1962. 592 p. illus. (CU)
- VITTE, ZANIS. [Among the fighters] Cinitaju pulka; atminu slasta. Riga, Latvijas Valsts izdevnieciba, 1957. 203 p. [In Latvian]
- VORONTSOV, V. B. [Korea in the plans of the U. S. A. during the Second World War] Koreia v planakh SShA v gody Vtoroi Mirovoi volny. Moskva, Izd-vo Vostochnoi lit-ry, 1962. 138 p.
- ZAKHAROV, N. S. [The Soviet state and law during the civil war and foreign armed intervention, 1918-1920] Sovetskoe gosudarstvo i pravo v period inostrannoi voennoi interventsii i grazhdanskoi volny, 1918-1920 gg.; uchebnoe posobie. [Kazan'] Izd-vo Kazanskogo univ., 1962. 85 p. (MICROFILM)
- ZAPOROZHETS, M. IA. [How the Makeyevka Communists struggled for the victory and consolidation of Soviet rule] Kommunisty Makeyevki v bor'be za pobedu i ukreplenie Sovetskoi vlasti. [Donetsk] Donetskoe knizhnoe izd-vo, 1961. 192 p. (MICROFILM)
- ZAVARYKIN, F. I. [Railroad workers of the Ashkhabad main line during the Great Patriotic War, 1941-1945] Zheleznodorozhnik Ashkhabadskoi magistrali v gody Velikoi Otechestvennoi volny, 1941-1945 gg. Chardzhou, Turkmenskii gos. pedagog. in-t im. V. I. Lenina, 1961. 172 p. (MH)
- ZEVELEV, A. I. Vladislav Damianovich Figel'skit. Tashkent, Gosizdat UzSSR, 1962. 57 p.
- ## 5. SOCIAL SCIENCES
- AKADEMIA NAUK SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [Triumph of the Lenin cooperative plan in socialist countries] Pobeda leninskogo kooperativnogo plana v stranakh sotsializma. [By] V. I. Storozhev i dr. Pod red. V. I. Storozheva i Kh. E. Potapova. Moskva, Izd-vo ekon. lit-ry, 1963. 274 p.
- AKADEMIA NAUK SSSR. Institut mirovoi ekonomiki i mezhduнародnykh otnoshenii. [Problems of unemployment during the period of the general crisis of capitalism] Problemy bezrabotitsy v period obshchego krizisa kapitalizma. Moskva, Sotsekgiz, 1963. 339 p.
- AKADEMIA NAUK SSSR. Institut narodov Azii. [Economic situation of the countries of Asia and Africa in 1960] Ekonomicheskoe polozhenie stran Azii i Afriki v 1960 g. Moskva, Izd-vo Vostochnoi lit-ry, 1962. 595 p. (CSimCR)
- AKADEMIA NAUK SSSR. Nauchnyi sovet po effektivnosti osnovnykh fondov, kapital'nykh vlozhenii i novoi tekhniki. [Capital investments and potentials for their utilization] Kapital'nye vlozhenia i rezervy ikh ispol'zovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1963. 277 p.
- AKADEMIA NAUK SSSR. Sibirskoe otdelenie. Institut ekonomiki i organizatsii promyshlennogo proizvodstva. [The worker's leisure] Vnerebochee vremia trudiashechikh. Pod obshch. red. G. A. Prudenskogo. Novosibirsk, 1961. 255 p., diagr., forms. (CSi-H)
- AKADEMIA OBSHCHESTVENNYKH NAUK, Moscow. [Economic problems of modern imperialism] Ekonomicheskie problemy sovremennogo imperiializma. Pod red. S. L. Vygodskogo i dr. Moskva, VPSn pri TsK KPSS, 1963. 217 p.
- ANDREEV, M. A. [Liquidation of the economic positions of Dutch imperialism in Indonesia] Likvidatsia ekonomicheskikh pozitsii gollandskogo imperiializma v Indonezii. Moskva, Sotsekgiz, 1962. 193 p.
- ARCHANGEL (Province) Oblastnoe statisticheskoe upravlenie. [National economy of Archangel Province; collection of statistics] Narodnoe khoziaistvo Arkhangel'skoi oblasti; statisticheskiy sbornik. Vologda, Gosstatizdat, 1962. 158 p.
- ASANOV, AMIRGALI. [The party organizations in Kazakhstan in the struggle to strengthen agriculture in the republic by providing qualified personnel] Partinye organizatsii Kazakhstana v bor'be za ukreplenie sel'skogo khoziaistva respublikii kvalifitsirovannymi kadrami, 1953-1960 gg. Alma-Ata, Kazgosizdat, 1962. 71 p. (MH)
- BAIRAK, K. A. [Economic significance of technical progress in petroleum production as exemplified by the Bashkir A. S. S. R.] Ekonomicheskoe znachenie tekhnicheskogo progressa v nefteobyyvalushchey promyshlennosti; na primere Bashkirskoi ASSR. Moskva, Gosstatizdat, 1963. 77 p.
- BERGAUZ, L. A. [Handbook for the workers of ferrous metallurgy enterprises engaged in open-pit mining] Pamiatka dlia rabochikh, zaniatykh na otkrytykh gornykh rabotakh predpriiati chernoi metallurgii. Moskva, Gosgortekhzdat, 1962. 193 p. (Organizatsia i oplata truda)
- BERGAUZ, L. A., and L. A. DERKACH. [Handbook for workers in the ore dressing and sintering plants (workshops) of ferrous metallurgy enterprises] Pamiatka dlia rabochikh obogatitel'nykh i aglomeratsionnykh fabrik (tsukhov) predpriiati chernoi metallurgii. Moskva, Gosgortekhzdat, 1962. 186 p. (Organizatsia i oplata truda)
- BORISOV, B. L. [Socialist labor contracts] Sotsialisticheskiy trudovoi dogovor; posobie po kursu "Sovetskoe administrativnoe grazhdanskoe i trudovoe pravo." Moskva, Zaachnyi in-t sovetskoi torgovli, 1960. 37 p. (MICROFILM)
- BRONINA, A. B. [Benefits for workers in lumbering and forest management] L'goty rabotnikam lesorazgotovki i lesnogo khoziaistva. Moskva, Gosizdat, 1962. 79 p. (L'goty po sovetskemu zakonodatel'stvu)
- BUCHIN, A. N., and O. I. DOROKHOV. [Economic effectiveness of various well patterns] Ekonomicheskaya effektivnost' razlichnykh sistem razmeshcheniia skvazhin. Moskva, Gosstatizdat, 1962. 57 p.
- BUDANOV, B. F. [The construction industry of an economic region] Stroitel'naya industriia ekonomicheskogo raiona. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 172 p.
- BUGROV, V. A., and N. F. STRIZHENOVA. [Economic organization and planning of petroleum production enterprises] Ekonomika, organizatsia i planirovaniia nefteobyyvalushchikh predpriiati. Moskva, Gosstatizdat, 1962. 333 p.
- BUTSKO, N. A. [The Communist Party as the organizer of nation-wide assistance to Soviet Ukraine in the reconstruction of its economy during the years of the Great Patriotic War] Kommunisticheskaya partiia - organizator vsenarodnoi pomoshchi Sovetskoi Ukraine v vosstanovlenii narodnogo khoziaistva v gody Velikoi Otechestvennoi volny. [Kiev] Izd-vo Kievskogo univ., 1962. 177 p.
- DYSTROV, F. P. [Foreign exchange provisions in international trade transactions] Valutnye uslovia sdelki v mezhduнародnoi torgovle. Moskva, Vneshtorgizdat, 1963. 154 p.
- CHERNYSHOVA, T. A. [Issuing credit to heavy industry] Kreditovanie tiazhelei promyshlennosti. Moskva, Gosizdat, 1963. 118 p. (V pomoshchi bankovskomu rabotniku)
- CHIERVIAKOV, P. A. [Organization and technique of the foreign trade of the U. S. S. R.] Organizatsia i tekhnika vneshnei torgovli SSSR. Perer., dop. izd. Moskva, Vneshtorgizdat, 1962. 351 p.
- [CHRESTOMATHY IN ECONOMICS] Khrestomatiia po politicheskoi ekonomii. [2., perer. i dop. izd.] Moskva, Sotsekgiz, 1963. 700 p.
- CHUVASH A. S. S. R. Verkhovnyi Sovet. [Jubilee session devoted to the 40th anniversary of the formation of the Chuvash A. S. S. R., June 25, 1960; a verbatim report] Iubileinaya sessiia, posviashchennaya 40-letii obrazovaniia Chuvashskoi ASSR, 25 iunia 1960 goda; stenograficheskiy otchet. Cheboksary, Chuvashskoe gos. izd-vo, 1960. 70 p. (WU)
- [CITIES OF KIEV PROVINCE AND THEIR FUTURE] Mista Kyivshchyny, ikh malbutsia. [By] O. Makhar'chov, H. Makarenko, M. Khoruzhova'kyi. [Kyiv] Kyiv's'ke oblasne knyzhkovno-gazetne vyd-vo, 1962. 121 p.
- DERGACHEV, A. F. [Principles of the economics of automobile repair production] Osnovy ekonomiki avtomobilnogo proizvodstva. Moskva, Avtoizdat, 1963. 102 p.
- DOTSSENKO, I. L., and V. IE. KOZAK. [Sources of our strength and prosperity] Dzhereia nashei sily i dostatku. Kyiv, Vyd-vo AN URSR, 1963. 63 p. (Problemy komunistychnoho budivnytstva v avstrii rishe) XXII z'izdu KP RS)
- DVOIRIN, E. IU., and S. D. SOKOLOV. [Problem for the teaching of accounting practice on collective farms] Zadacha dlia uchebnoi praktiki po bukhal'terskomu uchetu v kolhozakh; dlia podgotovki shchitnykh rabotnikov kolhozov v uchebnoi soti UPK TsSU SSSR. Izd. 3., perer. Moskva, Gosstatizdat, 1962. 226 p.
- [FIRST SOVIET FIRMS; from the work practice of the production combines of the Lvov Economic Council] Pervye sovetskije firmy; iz opyta raboty proizvodstvennykh ob'edinenii Lvovskogo sovmarkhoza, Lviv, Knzyzhkovno-zhurnal'ne vyd-vo, 1962. 113 p.
- GABZALIOV, G. F. [What are capital assets] Chto takoe osnovnoye proizvodstvennoye fondy. Tashkent, Gosizdat UzSSR, 1962. 37 p. (V pomoshchi rabochemu)
- GEOGRAFICHESKOE OBSHCHESTVO SSSR. [Economic geography of the U. S. S. R. in perspective] Ekonomicheskaya geografiia SSSR v perspektive. Moskva, Geografiz, 1962. 326 p. (DBC)

- GLINKA, M. V., and V. E. STASHEVSKI. [Goals of Russia] Rubzhi Rossii. Pod obshchey red. I. N. Kuznetsova. [Moskva] Sovetskaya Rossiya, 1983. 286 p. (V pomoshch' agitatoru i propagandistu)
- GOGOL', B. I. [Commerce during the building of communism] Torgovlya v period stroitel'stva kommunizma. Moskva, Gostorgizdat, 1962. 62 p. (MI)
- GONCHAROV, L. V., and G. A. KIRICHENKO. [The "Common Market" and African countries] "Obshchiy rynek" i strany Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 70 p.
- GREBENNIKOVA, L. A. [Reducing the cost of production is the source of the growth of the national wealth] Produktivnyy ozono turgan narkyn tomontou - koonduk ballykty osturuumun bulagy. Frunze, Kyrgyzstan makedetik basmasy, 1961. 50 p. [In Kirghiz]
- GUGUSIYILI, P. V. [Economic development of Georgia and Transcaucasia in the 19th and 20th centuries] Ekonomicheskoe razvitiye Gruzii i Zakavkaz'ia v XIX - XX vv. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, [In Georgian] Vol. 5. [Monograph] Monografi. 1962. 648 p.
- GUKOV, N. V. [Lecture in the course on the "Organization and planning of metalworking enterprises"] Lektsiya po kursu "Organizatsiya i planirovaniye metalloobrabatvalushchikh predpriyatiy. Moskva, Mosk. tekhnolog. in-i mestnoi promyshlennosti, 1962. 10 p. (MICROFILM)
- [HEALTH RESORT VISITOR'S MANUAL ON TIME-TABLES FOR TRAINS, BOATS, AIRPLANES, BUSES AND TAXICABS: Sochi, summer 1959] Soravochnik kurortnika; o dvizhenii pvozov, sudov, samoletov, avtobusov i taksi: Sochi, leto 1959 g. Sochi [n. d.] 73 p.
- HRABOV'SKIY, V. K. [Cooperation and mutual aid among all members of society are forms of the productive relations of socialism] Spivrobitytstvo in vzaimopomoshchi vsikh pratsivnykh suspi'stva - forma vyrobnykh vidnosyn sotsializmu. [Kyiv] Vyd. Kyivs'koho univ., 1961. 60 p. (ICU)
- IAMENFELD, G. M. [Hiring and dismissal of state commerce workers] Priem i uvolneniye rabotnikov gosudarstvennoi torgovli. Moskva, Gostorgizdat, 1962. 86 p.
- ISCARO, RUBENS. [The beginning and the development of the trade-union movement in Argentina, Translated from the Spanish] Voznikoveniye i razvitiye profsotuznogo dvizheniya v Argentine. Perevod s Ispanskogo i vstup. stat'ia S. S. Gonionakogo, Moskva, Izd-vo inostr. lit-ry, 1962. 306 p. (CST-II)
- ISPIRIAN, G. P., and A. G. MERZON. [Analysis of the production work in leather factories] Analiz proizvodstvennoi delatel'nosti kozhovennykh zavodov. Moskva, Rostekhtizdat, 1962. 90 p. (MICROFILM)
- IUMASHEV, A. I. [Socialist reorganization of agriculture in the U.S.S.R. and the people's democracies] Sotsialisticheskoe preobrazovaniye sel'skogo khozai'stva v SSSR i stranakh narodnoi demokrati; uchebnyi material. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 106 p.
- IVANOVA, G. A. [Training an intelligentsia of technical specialists for socialist agriculture] O podgotovke kadrov proizvodstvenno-tekhnicheskoi intelligentsii dlia sotsialisticheskogo sel'skogo khozai'stva. Moskva, Vysshaya shkola, 1962. 56 p. (Materialy k lekttsiim po istorii KPSS)
- IVANOVSKI, K. A. Iran. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Mezhdunarodnaya, no. 6)
- KABANOVA, K. A. [Problems in the organization of suburban farming in Uzbekistan as exemplified by the Tashkent suburban zone] Voprosy organizatsii prigorodnogo sel'skogo khozai'stva v Uzbekistane; na primere Tashkentskoi prigorodnoi zony. Tashkent, Izd-vo Akad. nauk UzSSR, 1963. 126 p.
- KAKHAROV, A. [The Tajik S.S.R.; a story about the seven-year plan] Tadzhikskaya SSR; rasskaz o semiletke. Moskva, Proftekhizdat, 1961. 91 p. (MICROFILM)
- KAMILOV, KABIR. [Planning and budgeting and financing operations of a regional Soviet] Planirovaniye i biudzheto-finansovaya rabota raisoveta. Tashkent, Gosizdat UzSSR, 1962. 37 p. (V pomoshch' deputatu raisoveta)
- KANAPIN, A. K. [The world of great ideas; cultural development of Kazakhstan] Svet velikikh idei; o kul'turnom stroitel'stve v Kazakhstane. Alma-Ata, Ob-vo po raspr. polit. i nauchn. znaniy Kazakhskoi SSR, 1962. 51 p.
- KARTAMYSHEV, N. B. [Intraplant business accounting] Vnutrizavodskoi khozai'stvennyi raschet. Tashkent, Gos. izd-vo UzSSR, 1962. 32 p.
- KATSEN, L. G., M. R. LUK'ANOV, and S. S. APTEKAR'. [Labor productivity in ferrous metallurgy in the Ukrainian S.S.R.] Proizvoditel'nost' truda v chernoi metallurgii USSR. Kiev, Gostekhtizdat USSR, 1963. 218 p.
- KAVUN, V. M. [Efficient farm management] Ratsional'noe vedeniye khozai'stva. Moskva, Sel'khozizdat, 1963. 205 p.
- KHASKIN, KH. M. [Technical and economic justification in the construction of enterprises of the forest and wood-using industries] Tekhniko-ekonomicheskoe obosnovaniye stroitel'stva predpriyatiy lesnoi fabrichno-zavodskoi promyshlennosti. Moskva, Goslesbumizdat, 1962. 98 p.
- KOLLONTAI, V. M., and I. A. ETINGER. [The "Common Market" and liberated countries] "Obshchiy rynek" i osvobodivshiesia strany. Moskva, Izd-vo vostochnoi lit-ry, 1963. 75 p.
- KOLODNYI, M. G., and A. P. STEPANOV. [Planning of the national economy of the U.S.S.R.] Planirovaniye narodnogo khozai'stva SSSR. [Kiev] Izd-vo Kievskogo univ., 1963. 371 p.
- KOLOKOL'TSEV, A. P., and I. L. DREN. [Collection of problems on accounting and auditing in commerce] Sbornik zadach po bukhal'terskomu uchetu i revizii v torgovle. Moskva, Gostorgizdat, 1962. 309 p.
- KOLOMIN, E. V. [State insurance for collective-farms property] Gosudarstvennoe strakhovaniye kollektivnogo imushchestva. Moskva, Gosizurizdat, 1962. 63 p.
- KOMMUNISTICHESKAYA PARTIYA SOVETSKOGO SOIUZA. Vysshaya partinaya shkola. Kafedra politicheskoi ekonomii. [Socialist means of production] Sotsialisticheskii sposob proizvodstva. Moskva, Izd-vo VPSH i AON pri TsK KPSS. No. 5. [The world socialist economic system] Mirovaya sotsialisticheskaya sistema khozai'stva. 1963. 109 p.
- KOSACHEVSKI, A. A., and L. I. GANELIN. [Organization and technique of lumber marketing] Organizatsiya i tekhnika lesoobytovoi raboty. Moskva, Goslesbumizdat, 1962. 257 p.
- KVASHA, I. A. B. [Capital investments and assets of the U.S.S.R. and the U.S.A.] Kapital'nye vlozheniya i osnovnye fondy SSSR i SHA. Moskva, Izd-vo Akad. nauk SSSR, 1963. 201 p.
- LAPIN, N. I. [The struggle around the ideological heritage of the young Marx] Bor'ba vokrug ideinogo naslediya molodogo Marksa. Moskva, Vysshaya shkola, 1962. 77 p.
- LEONT'EV, S. E. [More, better and cheaper; potentials of industries manufacturing consumer goods and those serving the population] Bol'she, luchshe, deshevle; rezervy promyshlennosti tovarov narodnogo potrebleniya i sluzhby bytu. [Moskva] Mosk. rabochii, 1963. 88 p.
- LEVKOVSKI, A. I. [Characteristics of the development of capitalism in India] Osobennosti razvitiya kapitalizma v Indii. Moskva, Izd-vo vostochnoi lit-ry, 1963. 589 p.
- LINENBURG, G. A., and N. N. LEONOVA. [Fellow workers' courts in industrial enterprises] Tovari'sheskii sud na predpriyatiy. Moskva, Gos. izd-vo iurid. lit-ry, 1959. 77 p. (MH-L)
- LUGOVOI, P. A., and L. G. TSYPIN. [Technical and economic calculations in the reorganization of railroads] Tekhniko-ekonomicheskie raschety pri rekonstruktsii zheleznnykh dorog. Moskva, Transzheldorizdat, 1963. 246 p.
- LUZIN, V. I. [Economic efficiency of capital investments in petroleum production; based on the example of the Urals and the Volga Valley] Ekonomicheskaya effektivnost' kapital'nykh vlozhenii v nefte dobyvayushchuiu promyshlennost'; na primere Uralo-Povolzh'ia. Moskva, Gostekhtizdat, 1962. 130 p.
- MALAKHINOV, P. I. [On the two types of agrarian evolution in Russia] O dvukh tipakh agrarnoi evoliutsii v Rossii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 439 p.
- MARKINA, V. A. [Baronial estates of the right bank of the Dnieper in the Ukraine during the second half of the 18th century; its social and economic development] Magnatskoe pomest'e Pravoberezhnoi Ukrainy vtoroi poloviny XVIII v.; sotsial'no-ekonomicheskoe razvitiye. [Kiev] Izd-vo Kievskogo univ., 1961. 232 p. (MI)
- [THE MOLDAVIAN S. S. R. IN FIGURES FOR 1961] Moldavskaya SSR v tsifrakh v 1961 godu; kratkii statisticheskiy sbornik. Kishinev, Gosstatizdat, 1962. 364 p.
- MOROZOV, P. A. [How to conduct a study on the theme, "Production costs and how to reduce them" in a beginners' economics study group] Kak provedti v nachal'nom ekonomicheskom krughe zaniatia na temu "Sebestoimost' produktov i puti ee snizheniya." Moskva, Gospolitizdat, 1963. 52 p.
- MOSCOW, AKADEMIA OBSHCHESTVENNYKH NAUK. [Party organizations in the effort to develop industry during the years of the seven-year plan] Partinye organizatsii v bor'be za pod'em promyshlennosti v gody semiletki. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963. 353 p.
- MOSCOW, EKONOMIKO-STATISTICHESKII INSTITUT. [Balance of the gross national product of a Union Republic; problems in the theory and methodology of its preparation] Balans obshchestvennogo produkta soiznoi respublik; voprosy teorii i metodiki sostavleniya. Moskva, Ekonomizdat, 1962. 326 p.
- MOSCOW, PUBLICHNAYA BIBLIOTEKA. [Learn to count, economize and manage; list of literature] Uchites' schitat', ekonomit', khozai'stvovat'; ukazatel' literatury. Moskva, 1962. 39 p.
- MOSCOW, TSENTRAL'NYI INSTITUT INFORMATSII TSIVILNOI METALLURGI. [The lead and zinc industries of capitalist countries] Svintsovo-tsinkovaya promyshlennost' kapitalisticheskikh stran. Moskva. Pt. 1. [Technical and economic survey] Tekhniko-ekonomicheskii obzor. 1962. 65 p. (MICROFILM)
- MOSCOW, UNIVERSITET. Kafedra politekonomiki sostavnykh fakul'tetov. [Lecture course in the economics of presocialist formations] Kurs lekttsii po politicheskoi ekonomii; dosotsialisticheskie formatsii. [By] M. M. Azarova i dr. Red. kollegiya: N. S. Spiridonova (otv. red.), M. I. Suvorova, L. A. Cherkasova. [Moskva] Izd-vo Mosk. univ., 1963. 656 p.
- MOSKALENKO, V. K. [For communist labor productivity] Za kommunisticheskuiu proizvoditel'nost' truda. Moskva, Ekonomizdat, 1963. 101 p.
- MUTALIMOV, SH. A. [Power of public influence] Sila obshchestvennogo vozdelaniya. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1962. 40 p. (Biblioteka zhenshchiny-gorlanki) (MICROFILM)
- MYRDAL, GUNNAR. [An international economy; problems and prospects. Translated from the English] Mirovaya ekonomika; problemy i perspektivy. Red. I. A. Ol'sevich. Moskva, Izd-vo inostr. lit-ry, 1958. 554 p. (MI)
- [NATIONAL ECONOMY OF THE UZBEK S. S. R. in 1961; brief statistical abstract] Narodnoe khozai'stvo Uzbekskoi SSR v 1961 godu; kratkii statisticheskiy sbornik. Tashkent, Gosstatizdat, Uzb. old-nie 1962. 227 p.
- ORLOV, I. A. L. [For the best products in the world] Za luchshuu miro produkttsiiu Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. III Seriya: Ekonomika, no. 3)
- [PARTICIPATION OF SOVIET TRADE UNIONS IN ECONOMIC DEVELOPMENT] Uchastie sovet'skikh profsotuzov v khozai'stvennom stroitel'stve. [Moskva] Profizdat, 1962. 143 p.

- PAVLOV, K. A. [International fairs and exhibitions] Mezhdunarodnye iarmarki i vystavki. Moskva, Vneshtorgizdat, 1962. 137 p.
- PAVLOV, V. I. [Imperialism and the economic independence of India] Imperializm i ekonomicheskaya samostoyatel'nost' Indii. Moskva, Izd-vo vostochnoi lit-ry, 1962. 229 p.
- PETROV, V. V., and B. V. ANTONOV. [How wages are calculated] Kak podschityvaetsia zarabotnaya plata. Moskva, Mashgiz, 1960. 44 p. (Seria "Osnovy konkretnoi ekonomiki," no. 7)
- PISAREV, I. U. [Some problems in the statistical study of labor and production] Nekotorye voprosy statisticheskogo izucheniia truda i proizvodstva. Moskva, Nauchno-issl. in-t truda i zarabotnoi platy, 1961. 42 p. (CU)
- POKIDKO, N. M. [The economics and the organization of the merchant marine] Ekonomika i organizatsiia morskikh perevozok. Moskva, Izd-vo morskoi transport, 1961. 389 p. (CU)
- POLUTAN, V. P. [You live among people] Ty zhivesh' sredi liudei. [Moskva] Mosk. rabochii, 1963. 100 p.
- POLUNINA, M. F. [Pioneers of Ryazan Province] Riazanskaya pioneriia. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 47 p. (MH)
- PROPP, V. I. A. [Russian agrarian holidays] Russkie agrarnye prazdniki; opyt istoriko-etnograficheskogo issledovaniia. [Leningrad] Izd-vo Leningr. univ., 1963. 142 p.
- RAU, F. F. [Training the deaf to pronounce] Obuchenie glukhonemykh proiznosheniiu. Moskva, Izd-vo Akad. nauk pedagog. nauk RSFSR, 1960. 231 p. diagra. (EN)
- RAUD, V. M. [Transforming the socialist organization of work into a communist one] O prevrashchenii sotsialisticheskoi organizatsii obshchestvennogo truda v kommunisticheskuiu. Leningrad, Ob-vo po rasprostraneniui polit. i nauchnykh znanii RSFSR, 1962. 51 p.
- RIABCHUN, P. T. [Great international problem. The building of communism is a great international problem of the Soviet people] Velikaia internatsional'naya zadacha. Postroyenie kommunizma - velikaia internatsional'naya zadacha sovetskogo naroda. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. i Seria: Istoriia, no. 6)
- RIABIN'KII, B. I. A. [Planning and the economics of metallurgical plants] Planirovaniie i ekonomika metallurgicheskikh zavodov. Izd. 3. perer i dop. Moskva, Metallurgizdat, 1963. 764 p.
- ROIZMAN, I. L. [Methods for determining the production costs in the canning industry in the calculation of the economic efficiency of modern equipment; based on the example of grape juice production] O metodike opredeleniia sebestoimosti v konservnoi promyshlennosti pri ischislenii ekonomicheskoi effektivnosti novoi tekhniki; na primere proizvodstva vinogradnogo soka. Kishinev, Izd-vo "Stintisa," Akad. nauk Moldavskoi SSR, 1962. 35 p. (MICROFILM)
- RUMIANTSEV, A. M., ed. [Structure of the laboring class in capitalist countries] Struktura rabochego klassa kapitalisticheskikh stran; materialy obmena mneniiami, provodivshiesia v zhurnale "Problemy mira i sotsializma" v 1960-1961 gg. Prague, Izd-vo "Mir i sotsializm," 1962. 358 p. (Mezhdunarodnye diskussii marksistov)
- RUSOV, GEORGII. [A story about Pioneer troops] Povest' o družinnikakh. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. i Seria: Motodezhnala, no. 4)
- RUSSIA (1923- U. S. S. R.) Glavnoe tamozhennoe upravlenie. [The customs of the U. S. S. R.] Tamozhennii tarif SSSR. Moskva Vneshtorgizdat, 1962. 116 p.
- RUSSIA (1923- U. S. S. R.) Ministerstvo finansov. [State budget of the U. S. S. R. for 1963 and the carrying out of the state budget for 1961... Statute of the U. S. S. R. on the state budget for 1963] O gosudarstvennom budzhete SSSR na 1963 god i ob ispolnenii gosudarstvennogo budzheta SSSR za 1961 god... Zakon Soiuza Sovetskikh Sotsialisticheskikh Respublik o gosudarstvennom budzhete Soiuza Sovetskikh Sotsialisticheskikh Respublik na 1963 god. Moskva, Gosfinizdat, 1962. 41 p. DNAL
- RUSSIA (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Results of the 1959 all-Union population census; the Armenian S. S. R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; Armianskaya SSR. Moskva, Gosstatizdat, 1963. 116 p.
- RUSSIA (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Results of the 1959 all-Union population census; the Kazakh S. S. R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; Kazakhskaya SSR. Moskva, Gosstatizdat, 1962. 201 p.
- RUSSIA (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Results of the 1959 all-Union population census; the Ukrainian S. S. R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; Ukrainskaya SSR. Moskva, Gosstatizdat, 1963. 209 p.
- RUSSIA (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [Results of the 1959 all-Union population census; the White Russian S. S. R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; Belorusskaya SSR. Moskva, Gosstatizdat, 1963. 146 p.
- RUSSIA (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [The U. S. S. R. in figures in 1962; brief statistical abstract] SSSR v tsifrakh v 1962 godu; kratkii statisticheskii sbornik. Moskva, Gosstatizdat, 1963. 359 p.
- RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. [Materials of the second session of the Sixth Supreme Soviet of the U. S. S. R., December 10-13, 1962] Materialy vtoroi sessii Verkhovnogo Soveta SSSR shestogo sozyva 10-13 dekabria 1962 goda. Moskva, Izd-vo ekon. lit-ry, 1962. 119 p. DNAL
- SADYKOVA, N. [Socialist competition in the industries of Uzbekistan] Sotsialisticheskoe sorevnovanie v promyshlennosti Uzbekistana. Tashkent, Akad. nauk UzSSR, 1961. 106 p. (NIC)
- SHAROVA, P. N. [Collectivization of agriculture in the Central Chernozem Region, 1928-1932] Kollektivizatsiia sel'skogo khoziaistva v Tsentral'no-chernozemnoi oblasti; 1928-1932 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963. 285 p.
- SHEIKO, S. S., and M. N. IANKELEVICH. [Accounting and calculation of production costs in a clothing factory] Uchet i kalkulirovaniie sebestoimosti produktov shveinoi fabрики. [Leningrad] Gosmestpromizdat, 1962. 195 p.
- SHEVELEV, V. A. [Bank control in industry] Bankovskii kontrol' v promyshlennosti; iz opyta raboty Leningradskogo otdeleniia Gosbanka Moskv. Moskva, Gosfinizdat, 1962. 73 p. (V pomoshch' bankovskomu rabotniku)
- SHUKHATOVICH, I. M. [Financial planning and accounting in the supply organizations of railroad transportation] Finansovoe planirovaniie i uchet v snabzhencheskikh organizatsiakh zheleznodorozhnogo transporta. Izd. 2. dop. i perer. Moskva, Transzheldorizdat, 1963. 387 p.
- SKLIAROV, L. F. [Migration and land utilization in Siberia during the years of the Stolypin agrarian reform] Pereseleniie i zemleustroistvo v Sibiri v gody stolypinskoi agrarnoi reformy. [Leningrad] Izd-vo Leningr. univ., 1962. 587 p.
- TABALDIEV, R. D. [Learn to manage] Charba zhurguzunu uiron. Frunze, Kyrgyzstan mamlekettik basmasy, 1961. 52 p. [In Kirghiz]
- TANNU-TUVA. Statisticheskoe upravlenie. [National economy of the Tuva A. S. S. R.; statistical abstract] Narodnoe khoziaistvo Tuvinskoi ASSR; statisticheskii sbornik. Kyzyl, Tuvinskoe knizhnoe izd-vo, 1962. 259 p. (MICROFILM)
- TARBEEV, A. A. [Collection of exercises in accounting] Sbornik uprazhnenii po bukhgalterskomu uchetu. 3., izd., perer. i dop. Moskva, Gosstatizdat, 1962. 288 p.
- TIKHONOV, N. M. [All in the name of man, for the good of man!] Vse vo imia cheloveka, dlia blaga cheloveka! Leningrad, Ob-vo po rasprostraneniui polit. i nauchn. znanii RSFSR, 1962. 86 p.
- TIKHONOV, V. A. [Economics and the organization of the utilization of machinery on collective farms] Ekonomika i organizatsiia ispol'zovaniia tekhniki v kol'khozakh. Moskva, Sel'khozizdat, 1963. 261 p.
- TITCHENKO, M. P., and S. G. L'VOV. [Accounting in self-supporting communications enterprises] Bukhgalterskii uchet v khozraschetnykh predpriiatiakh svyazi. Moskva, Gos. izd-vo lit-ry po voprosam svyazi i radio, 1960. 95 p. (CU)
- [TO MEET THE SUN; materials on a trip made by children of our compatriots to the Crimea and White Russia in the summer of 1961] Solntsu nayeitrukh; sbornik materialov o poezdke detei makhikh sootchestvennikov v Krym i Belorussiiu letom 1961 goda. [Berlin] Komitet za vozvrashcheniie na Rodinu i razvitiie kul'turnykh svyazoi s sootchestvennikami, 1961. 35 p. (NIC)
- [THE TRADE UNIONS OF THE PEOPLE'S DEMOCRACIES; brief manual] Profsoyuzy stran narodnoi demokrati; kratkii spravochnik. [Moskva] Profizdat. No. 2. 1962. 45 p.
- [TRAFFIC REGULATIONS FOR STREETS AND ROADS OF THE U. S. S. R.] Pravila dvizheniia po ulitsam i dorogam Soiuza SSR. Ashkhabad, Turkmenskoe gos. izd-vo, 1963. 87 p.
- TRET'IAKOV, P. N. [Economic independence and two types of aid to African countries] Ekonomicheskaya nezavisimost' i dva vida pomoshchi stranam Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 100 p.
- TSIKOTO, I. A. [Communism and agriculture] Kommunizm i sel'skoe khoziaistvo. Moskva, Ekonomizdat, 1963. 78 p.
- UCHINA, V. S., and L. G. CHUPSHIEVA. [Merchant marine and freight indices] Torgovoe sudokhodstvo i frakhtovye indekxy. Moskva, Izd-vo "Morskoi transport," 1962. 221 p. (Ekonomika i eksploatatsiia morskogo transporta)
- UMETOV, ZII. [The party's struggle against violations of collective farm regulations] Ayl clarla arklina ustavyv buzuchulukka, karshy partiiyana kurshu. Frunze, Kyrgyz mamlekettik basmasy, 1961. 62 p. [In Kirghiz]
- VARENTSOVA, V. G. [Labor rights of college students and young specialists] Trudovyye prava uchashchikhsia vuzov i tekhnikumov i molodykh spetsialistov. Moskva, Gos. izd-vo iurid. lit-ry, 1961. 85 p. (InU) (MH-L)
- VDOVICHENKO, D. I. [The national bourgeoisie of Turkey] Natsional'naya burzhazliia Turtsii. Moskva, in-t mezhdunarodnykh otnoshenii, 1962. 265 p.
- VIETSMAN, N. R. [Financial statements of capitalist enterprises and their analysis] Balansy kapitalisticheskikh predpriatii i ikh analiz. Izd. 3. dop. Moskva, Vneshtorgizdat, 1962. 187 p.
- VINOGRADOV, V. I., I. A. KAMINSKII, and G. A. OZEROVA. [Organization and techniques of Soviet cooperative trade] Organizatsiia i tekhnika sovetskoi kooperativnoi torgovli. Pod obshchou red. S. G. Sidonko. Moskva, Izd-vo Tsentrsoiuza, 1961. 666 p. (CU)
- VOSTOCHNO-KAZAKHSTANSKAYA OBLAST'. Statisticheskoe upravlenie. [Eastern Kazakhstan in figures; statistical abstract] Vostochnyi Kazakhstan v tsifrakh; statisticheskii sbornik. Alma-Ata, Gosstatizdat, 1962. 244 p.
- VSEROSSIISKOE OBNHCHESTVO SODEISTVIA OKIRANE PRIRODA. Voronezhskoe otdeleniie. [Our region; articles and sketches on the nature of the native region] Nashi krni; sbornik statel i ocherkov o prirode rodnogo kraia. Voronezh [Voronezhskoe knizhnoe izd-vo, 1962] 48 p. (MICROFILM)
- VSESOUZNOE SOVESHCHANIE ZAVEDUUSHCHIKKH KAFEDRAMI ODSHCHESTVENNYKH NAUK VYSSHIKH UCHEBNYKH ZAVEDENII, Moscow, 1962. [The 22d Congress of the CPSU and the objectives of the departments of social sciences; materials of the All-Union Conference of the Chairmen of Social Science Departments in Institutions of Higher Education] XXII s'ezd KPSS i zadachi kafedr obshchestvennykh nauk; materialy. Moskva, Gospolitizdat, 1962. 523 p.
- VVEDENSKII, A. A. [The House of Stroganovs in the 16th and 17th centuries] Dom Stroganovykh v XVI-XVII vekakh. Moskva, Sotssekgiz, 1962. 306 p.
- VYGODSKII, V. S. [Place of "Theories of surplus value" in Karl Marx's economics legacy] Mesto "Teorii pribavochnoi stoimosti" v ekonomicheskoi nasledii Karla Marksa. Pod red. I. A. Dorosheva. Moskva, Izd-vo VPSH i AON pri KPSS, 1963. 222 p.

VYKHODTSEV, S.V. [Statistics of the petroleum industry] Statistika neftegnoi promyshlennosti. Pod red. G.I. Baklanova i V.V. Dzhabardze. Moskva, Gosstatizdat 1962. 278 p. (Posobita po statistike otdelevnykh otselei promyshlennosti)

WHEELER, GEORGE SHAW. [The economic problems of automation in the U.S.A. Translated from the English] Ekonomicheskie problemy avtomatizatsii v SShA. Moskva, Izd-vo Inostr. lit-ry, 1962. 317 p.

WHITE RUSSIA. Statisticheskoe upravlenie. [The White Russian S.S.R. in figures; a brief statistical handbook] Belorusskaya SSR v tsifrakh; kratkii statisticheski sbornik. Minsk, Gosstatizdat, Belorusskoe otd-nie, 1962. 255 p.

[WINGS OF THE SEVEN-YEAR PLAN; articles on technological progress in the economy of Sakhalin Province] Kryl'a semiletki; stat'i o tekhnicheskoi progresse v narodnom khoziaistve Sakhalinskoi oblasti. [Red. A.L. Abramov]. Iuzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1961. 86 p. (Resheniia partii, v delstvii) (MH)

[WOMEN OF SOVIET CHUKCHI] Zhenshchiny Sovetskoi Chukotki; sbornik. [Magadan] Magadanskoe knizhnoe izd-vo, 1961. 59 p. (MH)

WORLD TRADE UNION CONGRESS, 5th, Moscow, 1961. [Handclasp of millions] Rukopozhatie millionov [By] A.S. Varshavskii i dr. [Moskva, Profizdat, 1962] 270 p.

ZAGORODNEVA, A.M. [Main trends of technological progress] Osnovnye napravleniia tekhnicheskogo progressa. [Moskva] Mosk. rabochii, 1963. 71 p. (Osnovy ekonomicheskikh znanii - kazhdomu rabochemu)

ZAGORUL'KIN, V.A., P.A. MEN'KO, and D.F. PEREPOLKIN. [Permanent production councils] Postoianno delstvuiushchie proizvodstvennye soveshchaniia. 2., perer. izd. [Moskva] Profizdat, 1961. 63 p. (Biblioteka profsoiuznogo aktivista, no. 3)

ZAITSSEV, M.K. [New aspects of some economic problems in drilling] Noveye aspekty nekotorykh problem ekonomiki buroenii. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 128 p.

ZAITSSEVSKII, I.IU. and M.I. RADOMYSEL'SKII. [Analysis of the carrying out of a plan for developing the local economy and culture of a region] Analiz vypolneniia plana razvitiia mestnogo khoziaistva i kul'turnogo stroitel'stva raiona. Moskva, Ekonomizdat, 1963. 105 p. (V pomoshch' ekonomistu i planoviku)

ZAKLADNOI, V.S., and T.A. KOMAROVA. [Wages for drivers on state farms] Oplata truda shoforov v sovkhkhakh. Moskva, Izd-vo M-vo sel'skogo khoz. RSFSR, 1963. 155 p.

ZIUZIN, G.V., and I.T. NOZDRIN. [Wages in the construction industry] Oplata truda v stroitel'stvo. [Moskva] Profizdat, 1962. 175 p.

ZVIAGIN, P.Z. [Selection of the capacity and operating period of coal mines; effectiveness of capital investments in mines] Vybór moshchnosti i srokov sluzhby ugod'nykh shakht; effektivnost' kapitalovlozhenii na shakhtakh. Moskva, Gosgortekhzdat, 1963. 487 p.

ZVONKOV, V.F. [Socialist law of population] Sotsialisticheski zakon narodonaseleniia. Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, 1958. 43 p. (NNC)

6. POLITICAL SCIENCE

ABRAMOVICS, V., I. KINCE, and K.I. MATAEVA. [Spirited, creative cause. Translated from the Latvian] Zhivoe, tvorcheskoe delo. Riga, Laisgoizdat, 1960. 124 p. (MH)

ADMINISTRATIVE AND TERRITORIAL DIVISION OF THE LATVIAN S.S.R. AS OF AUGUST 1, 1961 Latvijas PSR administratīvi teritoriālais iedalījums uz 1961. gada 1. augustu. Riga, Latvijas Valsts izdevniecība, 1961. 169 p. [In Latvian and Russian]

[ARDENT WORD; sketches on propagandists and agitators] Plamennoe slovo; ocherki o propagandistakh i agitatorakh. Tashkent, Gosizdat UzSSR, 1962. 114 p.

AVERIN, N.M., and I.A. SVIRIDOV. [A working man is a communist] Rabochii chelovek, kommunist. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 19 p. (Stroitel' kommunizma)

BAKURSKII, A.I., and A.S. KONOVALOV. [Our Soviet government] Nasha sovetskaya vlast'. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959. 56 p. (MH-L)

BORISOVA-LERT, R.B. [Evidence of our strength, on criticism and self-criticism] Svidetel'stvo nashei sily; o kritike i samokritike. Moskva, Gospolitizdat, 1962. 77 p. (Biblioteka sekretaria pervichnoi partii noi organizatsii, no. 7)

CHUDNOVSKII, E. [District soviets efficiently carry out the mandates of the voters] Raioveti - organizatory vypolneniia nakazov izbiratelei. Tashkent, Gosizdat UzSSR, 1962. 29 p. (V pomoshch' deputatu raiovetu)

[COMPLETE AND FINAL VICTORY OF SOCIALISM IN THE U.S.S.R.] Polnaya i okonchatel'naya pobeda sotsializma v SSSR. Moskva, Vysshaya shkola, 1963. 161 p. (Materialy k leksiim po istorii KPSS)

DAVYDOV, FEDOR. [No. 1 star looks for a place for the night] "Zvezda No. 1" ishchet nachlegu. Moskva, Izd-vo "Znanie", 1961. 77 p. (Prochi, tovarishchi!)

DIDZIULIS, K. [For people's happiness; memoirs, articles, letters, speeches] Uz laudies laime; atsiminimai, laiskai, kalbos. Vilnius, Valstybine politines ir mokelines literaturos leidykla, 1963. 357 p. [In Lithuanian]

GARVY, PETER. [Reminiscences] Vospominaniia. New York [1960] 123 p. (Inter-University Project on the History of the Menshevik Movement) (NNC)

GROZNEVSKII RABOCHII. [Propagandists tell their story] Propagandisty rasskazyvaut... [Groznyi] Izd-vo gazety "Groznefskii rabochii", 1961. 64 p. (Biblioteka partijnogo rabotnika) (NIC)

HENRI, ERNST. [Does neofascism have a future?] Est' li budushchee u neofashizma? Moskva, Izd-vo In-ta mezhduarodnykh otnoshenii, 1962. 176 p.

KARANFILOV, P.I. [Always with the masses] Zavždy z masamy. [Odesa] Odes'ke obl. vyd-vo, 1959. 29 p. (MH-L)

KAZANDI, M.I. [Notes of a mission secretary; a page from the early history of Soviet diplomacy] Zapiska sekretaria missii; stranichka istorii porvykh let sovetskoi diplomatii. Moskva, Izd-vo vostochnoi lit-ry, 1962. 167 p. (DS)

KHAIKIN, A.L. [First principle] Pervaya zapoved'. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 19 p. (Besedy o moral'nom kodekse stroitel'ia kommunizma)

KHRUSHCHEV, N.S. [Speech at the Sixth Congress of the Socialist Unity Party of Germany, January 10, 1963] Vystuplenie na VI s'ezde Sotsialisticheskoi ednoi partii Germanii, 10 ianvaria 1963 goda. Moskva, Gospolitizdat, 1963. 47 p.

KIRSANOV, V.V. [Deputy's day] Den' deputata. Moskva, Gosizurizdat, 1961. 39 p. (CSt-H)

KOKIN, L.M. [There is no better way] Nei dorogi vernel. [Moskva, Izd-vo "Molodaya gvardiia", 1962. 62 p. (Vot oni - komсомольskie malaki)

KOMMUNISTICHESKAYA PARTIYA SOVETSKOGO SOIUZA, 16. Konferentsiia, Moskva, 1929. [Verbatim report of the 16th Conference of the Communist Party of the Soviet Union] Stenograficheski otchet. Moskva, 1962. xxix, 837 p. (Protokoly i stenograficheskie otchety s'ezdov i konferentsii Kommunisticheskoi partii Sovetskogo Soiuza) (CSt)

KOMMUNISTICHESKAYA PARTIYA SOVETSKOGO SOIUZA, 22. s'ezd. [Materials of the 22d Congress of the CPSU] Materialiari. Toshkent, Uzbekiston SSR davlat nashrioti, 1962. 507 p. [In Uzbek]

KOMMUNISTICHESKAYA PARTIYA UZBEKISTANA, 16. s'ezd, Tashkent, 1961. [Resolutions of the 16th Congress of the Communist Party of Uzbekistan, Sep. 25-27, 1961] Rezoliutsii XVI s'ezda, 25-27 sent. 1961 g. Tashkent, Gosizdat Uzbekskoi SSR, 1961. 44 p. (CSt-H)

KOMUNISTYCHNAIA PARTIYA BELARUSI. Tsentral'ny Kamitet. [Improve the forms and methods of work with the masses] Sovershenstvovat' formy i metody raboty v massakh; vystupleniia... na seminarakh, sostoyavshiesia v TsK KP Belorussii 30 mai-3 iunia 1960 goda. Minsk, Gos. izd-vo BSSR, 1960. 210 p. (ICU)

KOSACH, IURII. [From feudalism to neofascism; essays] Vid feodalizmu do neofashizmu; narysy. New York, [Vyd-vo Za synim okenom] 1962. 95 p. (MH)

LAPYCHAK, TOMA. [Ukrainian nationalism; a criticism and a defense] Ukraina'kyi natsionalizm; krytyka i oborona. New York, Vyd-vo Kluichi [1962]. 144 p. (Zhytla i mysl', no. 6) (MU)

LATVIJAS KOMUNISTISKA PARTIJA. Centrālā Komiteja. Partijas vestures instituts. [The Communist Party of Latvia during the October Revolution of 1917; documents and materials, March 1917-February 1918] Kommunisticheskaya partiia Latvii v Oktjabr'skoi revoliutsii 1917; dokumenty i materialy, mart 1917-fevral' 1918 g. Riga, Latvinskoe gos. izd-vo, 1963. 862 p.

LATYSHEV, I.A. [Japan during the days of political storms; some pages from recent history] Iaponiia v dni politicheskikh bur'; neskol'ko stranits nedavnei istorii. Moskva, Gospolitizdat, 1962. 60 p.

LENIN, V.I. [Current objectives of the Soviet government] Ocherednye zadachi sovetskoi vlasti. [Moskva] Gos. izd-vo polit. lit-ry, 1953. 97 p. (IU)

LENIN, V.I. [International significance of the experience of the CPSU] O mezhduarodnom znachenii opyta KPSS. Moskva, Gospolitizdat, 1963. 707 p.

LENINS'KYI KOMUNISTYCHNYI SOIUZ MOLODI UKRAINY. Khar'kovskii oblastnoi komitet. [Formation and activities of the Communist Youth League in Kharkov Province, 1917-1920; documents and materials] Obrazovanie i deiatel'nost' komсомольskoi organizatsii Khar'kovskikh, 1917-1920; dokumenty i materialy. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1961. 428 p.

[LIBRARY OF THE SECRETARY OF A LOCAL PARTY ORGANIZATION] Biblioteka sekretaria pervynnoi partorganizatsii. Kyiv, Derzhpolityday, 1962. 10 nos. in 1 v.

[The Statute of the Communist Party of the Soviet Union] Statut Kommunisticheskoi partii Radian'skoho Soiuza. (Zatverzhdnyi XXII s'ezdom KPSS).

Khvostenko, S.P. [The Statute of the CPSU is an incorporation of Lenin's norms of party life] Statut KPSS - vtlennia lenin'skykh norm partijnogo zhytla.

Zotov, M.I. [Duties and rights of a party member] Obov'yazky i prava chlena partii.

Ivashchenko, M.K. [How our party is organized] Jak pobudovana nasha partiia.

Iaromchuk, H.F. [The strength of leadership lies in collectivism] V kolektivnosti - sila kerivnystva.

Sapukhin, O.O. [Local party organization] Pervynni organizatsii partii.

Martynenko, K.M., and I.F. Pold. [Party leadership in mass organizations] Partinno kerivnystvo hromad'skykh organizatsii.

Bilokolos, D.Z. [Ideological education in party organization] Ideino-vykhovna robota partijnoi organizatsii.

Nedalyodov, I.S. [Party control of government activity] Partinnyi kontrol' diial'nosti administratsii.

Baida, S.S., and S.S. Kovpak. [Operating a Local Party Organization] Partinno hospodarstvo pervynnoi partorganizatsii.

LITHUANIAN S.S.R. Auksciausioji Taryba. [Meetings of the Fifth Supreme Soviet of the Lithuanian S.S.R., sixth session, June 26, 1961; verbatim report] Lietuvos TSR Auksciausiosios Tarybos penktojo susaukimo seostoji sesija, 1961 m. birzelio 26 d. Stenogramos. Vilnius, Valstybine politines ir mokelines literaturos leidykla, 1961. 109 p.

MATIAS, O.A. [A guide to those who independently study V.I. Lenin's work "What is to be done?"] V pomoshch' samostoiatel'no izuchalushchim proizvedenie V.I. Lenina "Chto delat'?" uchebnoe posobie dlia studentov-zaochnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962. 35 p.

MAZAEV, A. G. [Government machinery of the Democratic Republic of Vietnam] Gosudarstvennyi stroi Demokraticeskoi Respubliki V'etnam. Moskva, Gosizdat, 1963. 84 p. (Gosudarstvennyi stroi stran mira)

MENCHINOV, G. A. [Let us guide the economy skillfully and with good knowledge of the matter] Umelo, so znaniem dela rukovodit khozias'tvom. Moskva, Gospolitizdat, 1963. 60 p. Biblioteka sekretaria pervichnoi partinnoi organizatsii, no. 10)

MILLERS, V., and E. STRUMBINA. [Supreme Soviet of the Latvian S.S.R. Translated by K. Strebelko] Latvijas PSR Augstakata padome. Riga, Latvijas Valsts izdevnieciba, 1963. 91 p. [In Latvian]

MOGUNOVA, M. A., and S. A. MALIN. [Governmental system of Denmark] Gosudarstvennyi stroi Danii. Moskva, Gosizdat, 1962. 72 p. (Gosudarstvennyi stroi stran mira)

MOSCOW, AKADEMIJA OBSCHESTVENNYKH NAUK. [Program for studying the international position and foreign policy of the U.S.S.R., practice in the building of socialism in the countries of people's democracy, and for studying the world communist, workers', democratic, and national liberation movements for groups, seminars, and individual plan students] Programma po izucheniu mezhdunarodnogo polozhenia i vneshei politiki SSSR, opyta sotsialisticheskogo stroitel'stva v stranakh narodnoi demokrati, mirovogo kommunisticheskogo, rabochego, demokraticheskogo i natsional'no-osvoboditel'nogo dvizhenia dlia kruzhkov, seminarov i zanimaniushchikhse po individual'nym planam. Moskva, Gospolitizdat, 1962. 29 p.

MOSCOW, PUBLICHNAIA BIBLIOTEKA. Voennii odel. [Be on your guard, be strict about protecting military and state secrets; a bibliography] Byt' bditel'nym, strogo khranit' voennuiu i gosudarstvennuiu tajnu; rekomendateli' ukazatel' literatury. Moskva, 1969. 24 p. (NNC)

MOSCOW, ZAOCHNAIA VYSSHAIA PARTIINAIA SHKOLA. [Methodological instructions for the course "Fundamentals of Soviet law and the development of the Soviet state"] Metodicheskie ukazaniia k izucheniu kursa "Osnovy sovetskogo prava i sovetskoe stroitel'stvo"; dlia slushatelei ZVPSH pri TsK KPSS. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 50 p.

MOZDYR, S. M., and K. E. FEDONUK. [Mass organization activities of local soviets of workers' deputies in the Ukraine] Organizatsiino-masova diial'nist' mistsevykh rad deputatov trudiaschchykh Ukrain'skoi RSR. [L'viv] Vyd-vo L'vivskoho univ., 1961. 153 p. (MH)

NAFIGOV, R. I. [The Kazan Social-Democratic organization from 1907 to 1914; a brief account] Kazanskaia sotsial-demokraticheskaiia organizatsiia v 1907-1914 godakh; kratkii ocherk. [Kazan'] Izd-vo Kazanskogo univ., 1961. 96 p. (MH)

NIHON KYOSANTO. 8. Zenkoku To Taikai, Tokyo, 1961. [Eighth Congress of the Communist Party of Japan, Tokyo, July 25-31, 1961. Translated from the Japanese] VIII s'ezd Kommunisticheskoi partii Iaponii, Tokio, 25-31 iul'ia 1961 goda. Moskva, Gospolitizdat, 1961. 302 p. (Dokumenty i materialy zarubezhnykh kommunisticheskikh i rabochikh partii) (CST-II)

NIKOLAEVA, M. [The Communist Party of Tajikistan; annotated bibliographical index] Kommunisticheskaiia partiia Tadzhikistana; annotirovannii ukazatel' literatury. Dushanbe, Gos. respublikanskaiia biblioteka Tadzhikskoi SSR, 1962. 329 p.

[NOTEBOOK FOR A PARTY ACTIVIST, 1963] Zapisnaya knizhka partiinogo aktivista, 1963. Moskva, Gospolitizdat, 1962. 351 p.

PARTIDO SOCIALISTA POPULAR (CUBA) 8. Asamblea nacional, Havana, 1960. [Eighth National Congress of the Popular Socialist Party of Cuba, Havana, August 18-21, 1960. Translated from the Spanish] VIII Natsional'nyi s'ezd Narodno-sotsialisticheskoi partii Kuby, Gavana, 18-21 avgusta 1960 g. Moskva, Gospolitizdat, 1961. 288 p. (Dokumenty i materialy zarubezhnykh kommunisticheskikh i rabochikh partii) (DS) (CST-II)

[PARTY WORK IN ACTIVITIES OF PUBLIC INITIATIVE; practices of party organizations] Partiinala rabota na obshchestvennykh nachalakh; iz opyta partiinykh organizatsii. Saransk, Mordovskoe knizhnoe izd-vo, 1962. 102 p. (CST-II)

PAVELKIN, P. A. [The Soviet regime is the highest form of democracy] Sovetskaiia vlast' - vysshaiia forma demokrati. [Moskva] Gos. izd-vo polit. lit-ry, 1960. 62 p. (Iau)

PLOTNIKOV, N. P., M. A. POSTNIKOV, and V. S. SHAPOVALOV. [How a city soviet struggles for technological progress] Gorodskoi Sovet v bor'be za tekhnicheskii progress. Moskva, Gosizdat, 1962. 112 p.

POPOVA, P. I. [Sessions of a rural soviet; experience in preparing for and carrying on the sessions of the Nikol'skoye Rural Soviet of Workers' Deputies in Usman' District] Sessii sel'skogo Soveta; o praktike podgotovki i provedeniia sessii Nikol'skogo sel'skogo Soveta deputatov trudiaschikh Usmanskogo raiona. Lipetsk, Lipetskoe knizhnoe izd-vo, 1959. 23 p. [MICROFILM]

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the U.S.S.R., seventh session, December 19-20, 1962; verbatim report] Zasedaniia Verkhovnogo Soveta RSFSR platogo sozyva; sed'mala sessiia (19-20 dekabria 1962 g.). Stenograficheskii otchet. [Moskva] Izd. Verkhovnogo Soveta RSFSR, 1963. 202 p.

RUSSIA (1923- U.S.S.R.) Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the U.S.S.R., second session, December 10-13, 1962; verbatim report] Zasedaniia Verkhovnogo Soveta SSSR (shostogo sozyva) vtoraiia sessiia, 10-13 dekabria 1962 g. Stenograficheskii otchet. [Moskva] Izd. Verkhovnogo Soveta SSSR, 1963. 614 p.

SHAPOSHNIKOVA, A. P. [Factory party organizations and party groups] TsKhovaiia partiinala organizatsiia, partiinala gruppy. Moskva, Gospolitizdat, 1963. 78 p. (Biblioteka sekretaria pervichnoi partiinai organizatsii, no. 9)

SHVETS, I. A. [The party leader] Partiinnyi vozhak. Moskva, Gospolitizdat, 1963. 60 p. (Biblioteka sekretaria pervichnoi partiinai organizatsii, no. 11)

[THE SKILLS OF AN AGITATOR] Maisterstvo agitatora. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 89 p.

TENENBAUM, V. O. [Government by the people; a talk on Soviet democracy] Narod - vlastelin; beseda o sovetskoi demokracii. Moskva, Gosizdat, 1963. 23 p.

TOGLIATTI, PALMIRO. [Life and struggle of the Italian Communist Party. Translated from the Italian] Zhizn' i bor'ba Ital'ianskoi kommunisticheskoi partii. Moskva, Gospolitizdat, 1963. 78 p.

VASIL'EV, A. S., and V. I. GRIK. [Propagandists] Propagandisty. [Moskva] Mosk. rabochii, 1963. 82 p.

ZABORSKI, V. V. [Man's high principles appear in his work] Idelnost' cheloveka v ego delakh. Moskva, Izd-vo "Sovetskaiia Rossiia," 1962. 92 p. (Resheniia XXII s'ezda KPSS - v zhizni')

7. LAW

ABRAMOVA, A. A. [Soviet labor law] Sovetskoe trudovoe pravo. Otv. red. A. E. Pashernik. Moskva, Gos. izd-vo iurid. lit-ry, 1960. 266 p. (MH-L)

[AID FOR THE COMMITTEE MEMBER AND VOLUNTEER INSPECTOR ON INDUSTRIAL SAFETY; a collection of official documents] V pomoshch' chlenam komissii i obshchestvennomu inspektoru po okhrane truda; sbornik ofitsial'nykh dokumentov. [Moskva] Profizdat, 1961. 61 p. (Biblioteka profsoiuznogo aktivista, no. 7) (NNC)

AZERBAIJAN. Laws, statutes, etc. [Regulations on fellow workers' courts. Adopted by decree of the Presidium of the Supreme Soviet of the Azerbaijan S.S.R., October 7, 1961] Polozhenie o tovarishchestvskikh sudakh. Uverzhdeno ukazom... ot 7 oktiabria 1961 g. Baku, Azerbaidzhanskoe gos. izd-vo, 1961. 13 p. [MICROFILM]

DELIKOVA, A. M. [Liability for damages caused to minors or to adults placed under guardianship] Otvetsvennost' za vred, prichinennyi maloletnim i nesovershennoletnim litsam; lektsiia. [Moskva] Izd-vo Mosk. univ., 1963. 27 p.

DUBROVINA, A. B. [Reorganization of the Ukrainian S.S.R. government organs in 1937-1941] Peretvoreniia orhaniv vladny Ukrain'skoi RSR u 1937-1941 rr. [Kyiv] Vyd-vo Kyiv'skoho univ., 1960. 28 p. (MH-L)

IANCHUK, V. Z., ed. [Collected legislative enactments and regulations of the U.S.S.R. and the Ukrainian S.S.R. on collective farming] Zbirnyk diluchykh rakhodavchykh i normatyvnykh aktyv SRSR i URSR z kolhospnoho budivnytstva. Kyiv, Derzhlit'hoopvydav URSR, 1962. 640 p.

KAREV, D. S., ed. [Laws on the criminal procedure of the Union Republics] Ob ugovorno-protsessual'nom zakonodatel'stve soiuzyvki respublik. Moskva, Gosizdat, 1962. 436 p.

KASIMOVA, S. SH. [Determination of the age of a document; practices in criminal investigation] Opredeleniie vozrastu dokumenta; iz praktiki kriminalisticheskikh issledovani. Moskva, Gosizdat, 1959. 70 p. [MICROFILM]

KAZANTSEV, N. D. [The law of collective-farm property] Pravo kolkhosnoi sobstvennosti. [Moskva] Mosk. gos. univ., 1961. 42 p. (WU)

MOSCOW, VSESOIUZNYI INSTITUT IURIDICHESKIH NAUK. [Soviet civil law course] Kurs sovetskogo grazhdanskogo prava. Moskva, Gos. izd-vo iurid. lit-ry.

Bratus, S. N. [Subject matter and system of Soviet civil law] Predmet i sistema sovetskogo grazhdanskogo prava. 1963. 106 p.

MOSCOW, VSESOIUZNYI IURIDICHESKII ZAOCHNYI INSTITUT. [Problems in the special part of Soviet criminal law in the criminal code of the R. S. F. S. R. of 1960] Voprosy osobennoi chasti sovetskogo ugovornogo prava v UK RSFSR 1960 godu; uchebnoe posobie. Moskva, 1962. 193 p. (CST-II)

MOSCOW, VSESOIUZNYI IURIDICHESKII ZAOCHNYI INSTITUT. [Soviet labor law] Sovetskoe trudovoe pravo. [By] V. N. Tolkunova i dr. Moskva, 1961. 380 p.

OSTROVSKII, L. IA. [Working time under Soviet labor law] Rabochee vremia po sovetskoiu trudovomu zakonodatel'stvo. Minsk, Izd-vo Akad. nauk BSSR, 1963. 165 p.

PIDOPRYHORA, A. A. [Protection of property rights in Roman private law] Zakhyst prava vlasnosti v rym's'komu pryvatomu pravi. [Kyiv] Vyd-vo Kyiv'skoho univ., 1960. 47 p. (MH-L)

RIABOKON', P. F. [The rights of efficiency experts and inventors] Prava ratsionalizatoriv i vynakhidnykiv. Kyiv, Derzh. vyd-vo polit. lit-ry, URSR, 1961. 37 p. tablo. (MH-L)

RUSSIA (1917- R. S. F. S. R.) Laws, statutes, etc. [Judicial documents on civil law cases; a textbook] Protsessual'nye dokumenty po grazhdanskim delam; uchebnoe posobie. Moskva, 1961. 166 p. (GLI)

RUSSIA (1923- U.S.S.R.) Laws, statutes, etc. [Laws governing criminal procedure in the U.S.S.R. and the Union Republics] Zakonodatel'stvo ob ugovornom sudoproizvodstve Soiuza SSR i soiuzyvki respublik. V dvukh tomakh. Moskva, Gosizdat, Vol. 1. 1963. 879 p. Vol. 2. 1963. 910 p.

SHLIAKHOV, A. R. [Procedural rules of expert evidence in criminal matters] Protsessual'nye osnovy provedeniia kriminalisticheskoi ekspertizy. Moskva, M-vo iustitsii RSFSR, 1962. 40 p.

SINGH, NAGENDRA. [Nuclear weapons and international law. Translated from the English] Iadernoe oruzhie i mezhdunarodnoe pravo. Pod red. i s predisl. O. V. Bogdanova. Moskva, Izd-vo inostr. lit-ry, 1961. 350 p. (Iau)

TUNKIN, G. I. [Principles of present-day international law] Osnovy sovremennogo mezhdunarodnogo prava; uchebnoe posobie. Moskva, Vysshiaia partiinala shkola pri TsK KPSS, 1966. 47 p. (CU)

VOROZHEIKIN, E. M. [Let us ensure a strict observance of socialist laws] Ukrepliat' sotsialisticheskuiu zakonnost'. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. If Seriya: Filosofii, no. 6)

8. EDUCATION

AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow, Institut teorii i istorii pedagogiki, [Applying the "Educational program" to grade 5-11 students] Opyt primeneniia "Programmy vospitatel'noi raboty" s uchashchimisia V-XI klassov. Pod red. I. S. Mar'enko, Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 110 p. (Pedagogicheskie chteniia)

AKADEMIA PEDAGOGICHESKIKH NAUK RSFSR, Moscow, Institut teorii i istorii pedagogiki, [School, family and community] Shkola, sem'ia i obshchestvennost'. Pod red. E. I. Volkovoi, Moskva, Izd-vo Akad. pedagog. nauk, 1963. 79 p. (Pedagogicheskie chteniia)

ARUTIUNOV, S. T. [Technical means for arranging children's festivals] Tekhnicheskie sredstva oformleniia detskikh prazdnikov. Barnaul, Altaiskoe knizhnoe izd-vo, 1962. 79 p.

ATUTOV, P. R., and I. L. GINZBURG, [Technical committee in school] Politekhnikheskaia komissia v shkole. Moskva, Uchpedgiz, 1963. 167 p.

CHEREPASHNETS, G. R., ed. [Study, life and work] Uchenie, zhizn', trud; opyt moskovskoi shkoly No. 315. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 174 p.

[CREATIVE ACTIVITY OF SOVIET CHESSWOMEN] Tvorchestvo sovetskikh shakhmatistok. Moskva, Fizkul'tura i sport, 1963. 198 p.

[EDUCATION OF ADULTS IN THE U. S. S. R.] Obrazovanie vzroslykh v SSSR. Moskva, 1960. 88 p. [Text in Russian, French, and English] (WU)

FEDULIN, A. S. [All cultural riches belong to the people] Vse bogatstva kul'tury - narodu. Alma-Ata, Kazgostizdat, 1962. 112 p.

KASPARIAN, G. M. [A draw position] Pozitsionnaia nichiia. Moskva, Izd-vo "Fizkul'tura i sport", 1962. 103 p.

KHOMENKOV, L. S., ed. [Track athletics] Legkha atletika; uchebnik dlia trenerov. Fizkul'tura i sport, 1963. 566 p.

KOBLNCS, ALEKSANDRS. [In the heat of chess battles; from the diary of an instructor] Saha cinu virpuli; no trenera dienasgramatas. Riga, Latvijas Valsts izdevnieciba, 1963. 198 p. [In Latvian]

KONOPLEV, M. A. [Basic training in small-arms firing] Nachal'naia podgotovka strelka-razriadnika. Moskva, Izd-vo DOSAAF, 1962. 166 p.

KRECHETOVA, E. A. [Learn from life, learn for life] Uchit'sia u zhizni, uchit'sia dlia zhizni. Moskva, Izd-vo "Znanie," 1963. 28 p. (Novoe v zhizni, nauke, tekhnike. XI Seriya: Pedagogika, no. 6)

KRUPSKAIA, N. K. [Educational works in ten volumes] Pedagogicheskie sochineniia v desiat' tomakh. Pod red. N. K. Goncharova, I. A. Kalrova, I. V. Chuvashova. Moskva, Izd-vo Akad. pedagog. nauk. Vol. 11 [(Enlarged). Letters. Diary of a voyage on the steamship "Red star"] (Dopolnitel'nyi). Pis'ma. Dnevnik posazdki na parokhode "Krasnaia zvezda." 1963. 934 p.

LATVIAN S. S. R. Augstakas un vidojas specialas izglitiba valsts komiteja. [Secondary special schools in the Latvian S. S. R.] Latvijas PSR vidojas specialas macibu iestades, Riga, Latvijas valsts izdevnieciba, 60 p. [In Latvian] (MH)

MARKOVA, T. A., and L. A. PEN'EVSKAIA. [Training two-year old children] Vospitanie detei tret'ego goda zhizni; metodicheskie ukazaniia. Moskva, Uchpedgiz, 1962. 58 p.

MOSCOW. MOSKOVSKII OBLASTNOI INSTITUT USOVERSHENSTVOVANIA UCHITELEI. [Problems of technical education; the practices of schools] Voprosy politekhnikheskogo obucheniia; iz opyta raboty shkol. [Moskva] Mosk. rabochii, 1959. 44 p. (V pomoshch' uchitelu) (NNC)

MOSCOW. VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR. Pavil'on "Fizkul'tura i sport." [Vector dynamometry in sports] Vektornaiia dinamografiia v sporte. Moskva, 1962. 11 p.

[NEW BALLROOM DANCES] Novye bal'nye tantsty. Moskva, Sovetskaiia Rossiia, 1963. 135 p. (Biblioteka khudozhestvennoi samodelatel'nosti, no. 3)

PASTUKHOVA, Z. A. [Secondary education in prerevolutionary White Russia] Srednee obrazovanie v dorevolutsionnoi Belorussii. Minsk, Izd-vo M.-vovyssego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 84 p.

[PHYSICAL EDUCATION PROGRAM FOR GRADES 8-10 OF SECONDARY SCHOOLS FOR 1961-1962] Programmi maktabi miena tarbiat chismon; stufidol VIII-X baroi soli takhsili 1961-1962. Dushanbe, Nashrieti davlatii adabietl ta "limi-pedagogil Tojikiston, 1961. 37 p. [In Tajik]

REZNIKOVA, Z. P. [Children dance] Tantsuist deti. Moskva, Sovetskaiia Rossiia, 1963. 180 p. (Biblioteka v pomoshch' khudozhestvennoi samodelatel'nosti, no. 6)

RUSSIA (1917- R. S. F. S. R.) Tsentral'nyi nauchno-metodicheskii kabinet po doskol'nomu vospitaniiu. [Games with rules in a kindergarten; collection of educational games and games of movement] Igry s pravilami v detskom sadu; sbornik didakticheskikh i podviznykh igr k "Programme vospitaniia v detskom sadu." Moskva, Uchpedgiz, 1962. 154 p.

SARKIZOV-SERAZINI, I. M. [Physical culture for elderly people] Fizicheskaiia kul'tura v pozhlom vozraste. Moskva, Fizkul'tura i sport, 1962. 63 p. (Biblioteka "Fizkul'tura i zdorov'e")

SLAVIN, I. A. [In a workers' sports collective; physical culture at the Shmidt Machinery Plant in Baku] V zavodskom sportivnom kollektive; o fizkul'turnoi rabote na Bakinskoi mashinostroitel'nom zavode imeni leitnanta Shmidta. [Moskva] Profizdat, 1957. 44 p.

SOIUZ SPORTIVNYKH OBSHCHESTV I ORGANIZATSII RSFSR. [Selected chess games of grand masters and masters of the R. S. F. S. R.] Izbrannye partii grossmeisterov i masterov RSFSR; sbornik pod obshchiel red. V. V. Smyslova. Moskva, Sovetskaiia Rossiia, 1962. 110 p.

SOKOL'SKII, A. P. [Pawns in motion] Peshki v dvizhenii. Moskva, Fizkul'tura i sport, 1962. 63 p.

SVINARENKO, A. N. [The training of young communists] Vospitanie molodykh kommunistov. Moskva, Izd-vo Sovetskaiia Rossiia, 1962. 37 p. (Resheniia XXII s'ezda KPSS - v zhizni) (NIC)

VAGANOVA, A. IA. [Fundamentals of the classical dance] Osnovy klassicheskogo tansa; uchebnoe posobie. Leningrad, Izd-vo "Iskusstvo", 1963. 177 p.

VAVILOV, V. S., and P. I. SINITSYN. [Socially useful work of students in construction; from the practice of Prokop'yevsk, Kemerovo Province schools] Obshchestvenno poleznyi trud uchashchikhsia na stroitel'stve; iz opyta raboty shkol g. Prokop'yevska Kemerovskoi oblasti. Moskva, Uchpedgiz, 1962. 87 p.

VIKTOROV, IA. V. [Four champions; sketches about sportsmen] Chetyre chempiona; ocherki o sportsmenakh. Moskva, Izd-vo "Fizda", 1963. 45 p. (Biblioteka "Ogonek," no. 14)

9. MUSIC, THEATER & MOTION PICTURES

ANTOSHINA, M. N. [Teaching intonation with a tuning fork in solfeggio classes] Intonatsionnaia nastroyka po kamertonu v klassakh sol'fedzhio. Moskva, Muzgiz, 1962. 47 p. (V pomoshch' pedagogu-muzykantu)

ATAIAN, R. A. Gusan Avasi. Moskva, Sovetskii kompozitor, 1962. 53 p. (Narodnoye povsie i muzykanty) (MH)

AVDEEVA, L. [The art of the dance in Uzbekistan] Tantsoval'noe iskusstvo Uzbekistana. Tashkent, Goslitizdat Uzbekskoi SSR, 1960. 191 p. (V pomoshch' slushatellam narodnykh universitetov kul'tury) (MH)

[BIBLIOGRAPHY OF VOCAL WORKS ABOUT LENIN AND THE PARTY] Ukazatel' vokal'nykh proizvedenii o Lenine i partii. Leningrad, Sovetskii kompozitor, 1962. 86 p.

BLAGOOBRAZOV, S. S., ed. [Collection of songs for grades 7 to 10] Sbornik pesen, 7 - 10-i klassy. Leningrad, Gos. uchebno-pedagog. izd-vo, 1959. 201 p. (NeD)

BLOK, V. B. [Lobanov's rehearsals] Repetitsii Lobanova. Moskva, Iskusstvo, 1962. 136 p. illus. (MII)

BUCHMA, AMVROSII. [From the depth of the soul; articles and reminiscences] Z hlybyn dushi; statii i spohady. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, 1959. 186 p. (WdU)

CHAIKOVSKII, P. I. [Complete collected works] Polnoe sobranie sochinenii. Moskva, Muzgiz. Vol. 7. [Literary works and correspondence] Literaturnye proizvedeniia i perepiska. Tom podgotovlen E. D. Gershovskim i I. G. Sokolinskoi. 1962. 643 p.

CHEREMUKHIN, M., comp. [Songs for work, peace, and May] S pesnei - trud, mir, mai'; sbornik pesen gorodskoi i kolhoznoi samodelatel'nosti. Moskva, Sovetskii kompozitor, 1963. 105 p.

DAVYDOV, I. L. [Notes on P. I. Chaikovskii] Zapiski o P. I. Chaikovskom. Moskva, Gos. muzykal'noe izd-vo, 1962. 114 p.

GOGODZE, KARLO. [Soviet Georgian motion pictures. Gruzinskaiia sovetskaiia khinematografiia. Tbilisi, Sabchota Sakartvelo], 1961. 78 p. [In Georgian] (MII)

GVAKHARIA, V. A. [Development of Georgian musical systems from the 10th to the 18th century. Razvitiia gruzinskikh muzykal'nykh sistem, X-XVIII v. v. Tbilisi, Izd-vo "Kheolovneba," 1962. 435 p. [In Georgian]

IURENEV, R. N. [Eisenstein] Elzenshtein. Moskva, Vses. gos. in-t khinematografi, 1962. 56 p. [MICROFILM]

KALASHNIKOV, I. U. S. [The theater of the future; K. S. Stanislavskii's system, the method of realistic creation] Teatr budushchego; sistema K. S. Stanislavskogo, metod realisticheskogo tvorchestva. Moskva, Znanie, 1962. 45 p. (Novoe v zhizni, nauke, tekhnike. VI Seriya: Literatura i iskusstvo, no. 8) (MII)

KULAKOVSKII, L. V. [How to teach yourself to read notes; musical notation] Kak nauchit'sia chitat' noty; nuchaiia gramota. 2. Izd. Moskva, Sovetskii kompozitor, 1962. 46 p. (V pomoshch' slushatellam narodnykh universitetov kul'tury. Besedy o muzyke)

LENINGRAD. GOSUDARSTVENNAIA KONSERVATORIIA. [Centennial anniversary of the Leningrad Conservatory; an historical sketch] 100 let Leningradskoi konservatorii; istoricheski ocherk. Leningrad, Muzgiz, 1962. 301 p.

LIVANOVA, T. N. [Vladimir Grigor'evich Zakharov; a brief sketch of his life and works] Vladimir Grigor'evich Zakharov; kratki ocherk zhizni i tvorchestva. Moskva, Sovetskii kompozitor, 1962. 56 p. (V pomoshch' slushatellam narodnykh universitetov kul'tury. Besedy o muzyke)

L'VOV-ANOKHIN, B. A. Amvrosii Maksimilianovich Buchma, 1891-1937. [Moskva] Iskusstvo, 1959. 162 p. (Mastera teatra; monografi) (OrU)

MAKSIMOVICH, M. A. [Voices of Ukrainian songs. The arrangement by Aleksandr Allab'ov] Golosa ukrainskikh pesen. Aranzhirovka Aleksandra Allab'ova, 2. izd. pod red. 1 s istoriko-kriticheskimi ocherkami B. S. Shteynpressa. Moskva, Muzgiz, 1961. 161 p. (MH)

[MUSIC AND OUR TIMES] Muzyka i sovremennost'; sbornik statei. Moskva, Muzgiz, 1962. 472 p.

NEST'EV, I. V. [Leoš Janáček's "Jenufa"] Ee padchoritai Leosha Janachka. Moskva, Muzgiz, 1960. 53 p. (Putevoditel po operam) (MH)

ORLOV, G. A. [D. Shostakovich's symphonies] Simfoni D. Shostakovicha. Leningrad, Muzgiz, 1962. 67 p. (Biblioteka muzykal'nogo obrazovaniia)

POPOVA, L. S., comp. ["The fountain of Bakhchisarai" by B. V. Asaf'ev] "Bakhchisaraiskii fontan" B. V. Asaf'eva. Pod red. I. U. Slonimskogo. Leningrad, Muzgiz, 1962. 58 p. (Sokrovishcha Sovetskogo baletnogo teatra)

POPOVA, T. V. [Russian folk music] Russkoe narodnoe muzykal'noe tvorchestvo. Izd. 2., perer. Moskva, Muzgiz, Vol. 1. 1962. 383 p.

ROTTERSTEIN, M. I. [Expressive means of music; from the work practices of the people's university of culture in the Sverdlovsk District of Moscow] Vyrasitel'nye sredstva muzyki; iz opyta raboty narodnogo universiteta kul'tury Sverdlovskogo raiona g. Moskvy. Moskva, Sovetskii kompozitor, 1962. 55 p. (V po-moshch' slushateliam narodnykh universitetov kul'tury. Besedy o muzyke)

ROPSKAYA-DOZORTSEVA, ZH. G. [Soviet opera] Sovetskaya opera. Moskva, Izd-vo "Znanie," 1963. 46 p. (Narodnyi universitet kul'tury: Fakul'tet literatury i iskusstva, no. 3)

RYL'SKIY, MAKSYM. [On art] Pro mystetstvo. Peredmov. M. Iosypenko. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1962. 207 p.

RZIANINA, T. A. [Composers create for children] Kompozitory - detiam. Leningrad, Sovetskii kompozitor, 1962. 111 p.

SHEREMET'EVA, N. M. [Methodological instructions for the textbook, "Our song" used in grade 2] Metodicheskie pis'mo k uchebnomu posobiyu "Rodnaya pesnia" dlia II klassa dlia uchitel'ov pen'ia. Leningrad, Uchpedgiz, 1962. 30 p.

SLONIMSKIY, I. U. L. P. Chalkovskii's "Swan lake" "Lebedinoe ozero" P. Chalkovskogo. Leningrad, Muzgiz, 1962. 76 p. (Sokrovishcha Sovetskogo baletnogo teatra)

TISHCHENKO, A. A. Konstantin Listov. Moskva, Sovetskii kompozitor, 1962. 98 p.

VLADIMIROVA, Z., ed. [Art of stage production today] Rezhisserskoe iskusstvo segodnia; sbornik statei. Moskva, Iskusstvo, 1962. 381 p. (NN)

VSEROSSIJSKOE TEATRAL'NOE OBSHCHESTVO, Kabinet muzykal'nykh teatrov. [The musical theater and our times; problems in the development of Soviet ballet] Muzykal'nyi teatr i sovremennost'; voprosy razvitiia sovetskogo baleta. Moskva, Vseos. teatr. ob-vo, 1962. 107 p.

10. FINE ARTS

AKADEMIIA KHUDOZHESTV SSSR. [Honored Artist of the R. S. F. S. R. Iakov Dorofeevich Romas, Acting Member of the Academy of Artists of the U. S. S. R.; on his 60th birthday and 40 years of creative work. An exhibition catalog] Zasluzhennyi delatel' iskusstv RSFSR, delatel'nyi chlen Akademii khudozhestv SSSR Iakov Dorofeevich Romas; k 60-letiiu so dnia rozhdeniia i 40-letiiu tvorcheskoi delatel'nosti. Katalog vystavki. Moskva, 1962. 29 p. plates. (MH)

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Institut arkhitektury i iskusstva. [Problems in the restoration of architectural monuments in Azerbaijan] Voprosy restavratsii pamiatnikov zodchestva Azerbaidzhana. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1960. 275 p. illus. [In Russian and Azerbaijani with summaries in Russian] (MH)

AKADEMIIA PEDAGOGICHESKIH NAUK RSFSR, Moscow. Institut khudozhestvennogo vospitaniia. [Methodology of teaching drawing in eight-year schools] Metodika obucheniia risovaniiu v vos'miletnei shkole. [By] V. N. Vetrov i dr. Pod red. A. P. Fomicheva. Moskva, Izd-vo APN RSFSR, 1963. 369 p.

BAKSHEEV, V. N. [Selected works] Izbrannye proizvedeniia. [Moskva, Sovetskii khudozhnik, 1956. 4] p. illus., 10 col. plates. (NN)

BRODEKII, V. I. A., and A. M. ZEMTSOVA, Solomon Borisevich Udovin. Leningrad, Khudozhnik RSFSR, 1962. 76 p. (MH)

BULATOVA, V. A., and L. I. MOTKIN. [Architectural monuments of Khiva; guidebook] Arkhitekturnye pamiatniki Khivy; putevoditel'. Tashkent, Gosizdat UzSSR, 1963. 84 p.

DRUZHININ, S. N. Mikhail Vasil'evich Nesterov. Moskva, Izgiz, 1962. 14 p. 32 plates. (Mastera russkogo iskusstva) (MH)

FAVORSKII, V. A. [Selected works] Izbrannyye proizvedeniia. Red. B. Z. Iashchina. [Moskva, Sovetskii khudozhnik]. 1961. 1 v. illus. (EN)

DUKHOVNOE UPRAVLENIE MUSUL'MAN SREDNEI AZII I KAZAKHSTANA, Tashkent. [Historical monuments of Islam in the U. S. S. R.] [Istoricheskie pamiatniki Islama v SSSR] Tashkent, [n. d.] 1 v. 135 plates. [Text in Arabic, Persian, and Kurdish] ——— 54 p. [Text in Russian, English, and French]

GERASIMOV, A. M. [Sketches made during a trip through India] Putevye etyudy po Indii. Moskva, Sovetskii khudozhnik, 1956. 6 p. 48 plates. (MH)

IASTREBOV, I. I. Pavel Petrovich Sokolov-Skalia. Moskva, Sovetskii khudozh., 1959. 86 p. illus., col. plates. (NN)

IKONNIKOV, A. V. London. Leningrad, Ob-vo po rasp. polit. i nauchn. znaniu RSFSR, Leningr. odd-nie, 1962. 84 p. (Arkhitektura gorodov mira)

IVANOVA, L. V. [Balkhash; planning and building development] Balkhash; planirovka i zastroyka. Pod red. S. O. Khan-Magomedova. Moskva, Gosstroizdat, 1962. 112 p. (Opyt sovetskoi arkhitektury)

KASATKIN, N. A. Nikolai Alekseevich Kasatkin. Moskva, Gos. izd-vo izobraz. iskus., 1962. 1 v. (chiefly illus.) (CtY)

KASIAN, V. I. [Political poster] Politichnyi plakat. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry URSR, 1963. 29 p. (Bibliotekha z pytan' mystetstva: Obrazotvorche mystetstvo)

KASIMANOV, S. [Applied folk art of Kazakhstan] Kazak khatkynyn koloneri. Almaty, Kazak memleketi baspasy, 1962. 132 p. [In Kazakh]

KOROLEVA, N. S., comp. [Embroidery of the peoples of the Volga and the Kama Valleys] Vyshivka narodov Povolzh'ia i Prikam'ia. [Otv. za vyp. E. K. Golovkina. Leningrad, Nauchno-issl. in-t khudozh. promyshl. Rosspramosveta, 1960] 7 p. col. plates. (MH)

KOROVIN, KONSTANTIN. [Life and works, letters, documents, and reminiscences] Zhizn' i tvorchestvo, pis'ma, dokumenty, vospominaniia. Sost. knigi i avtor monograficheskogo ocherka N. M. Moleva. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 561 p.

KRUGLIAKOV, I. U. G. [Planning city parks; their location and design] Planirovka gorodskikh sadov; razmeshcheniie i raschety. Leningrad, Gos. izd-vo lit-ry po stroit. i arkhlt., 1955. 179 p. illus. (WaU)

[MONUMENT IN COMMEMORATION OF THE 850th ANNIVERSARY OF VLADIMIR] Pamiatnik v oznamenovanie 850-letiiu goroda Vladimira. [Vladimir] Vladimirovskoe knizhnoe izd-vo, 1963. 1 v. illus.

MOSCOW. GOSUDARSTVENNYI MUZEI IZOBRAZITEL'NOYKH ISKUSSTV. [Exhibition of Italian paintings of the 17th and 18th centuries from the Museum's collections; a catalog] Vystavka ital'ianskoi zhivopisi XVII i XVIII vekov iz fondov muzeia; katalog. Moskva, 1961. 66 p. plates. (MH)

MOSCOW. VYSTAVKA FRANTSUZSKOGO ISKUSSTVA XV-XX v. v., 1955. [Exhibition of French art of the 15th to the 20th century; a catalog] Vystavka frantsuzskogo iskusstva XV-XX v. v.; katalog. Moskva, Gos. izd-vo "Iskusstvo," 1955. 126 p. illus. (NNU)

MURINA, E. B. Andrei Petrovich Riabushkin. Moskva, Sovetskii khudozhnik, 1961. 65 p. illus. (CtY)

PANKRATOVA, E. A. Tsyrenzhap Sanpilov. Moskva, Iskusstvo, 1962. 93 p. illus. (MH)

RUSSIA (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Plan of standard designing for 1962 for construction of residential and public buildings] Plan tipovogo proektirovaniia na 1962 g. dlia zhilishchno-grazhdanskogo stroitel'stva. Moskva, Gosstroizdat, 1962. 62 p.

[MICROFILM]

SEMENOV, A. I. [The Cathedral of St. Sophia is the oldest historical monument in Novgorod] Sofitskii sobor - drevneshii istoricheskii pamiatnik Novgoroda. [Novgorod] Novgorodskaya pravda, 1962. 29 p. (NJP)

SKULME, OTO. [Reproductions. Reprodukcijas] Riga, Latvijas Valsts izdevnieciba, 1962. [4] p. plates. [Text in Latvian and Russian]

SOKOL'NIKOV, M. P. Aleksandr Mikhailovich Kamaia. Leningrad, Khudozh. RSFSR, 1962. 61 p. illus. (MH)

[SOVIET ARCHITECTURE; yearbook for 1960] Sovetskaya arkhitektura; ezhegodnik 1960. Moskva, Gos. izd-vo lit-ry po stroit., arkhlt. i stroit. materialam, 1962. 147 p.

[STANDARDIZATION OF BEARING AND EXTERIOR ELEMENTS; the assortment of standardized structural elements for various types of buildings] Unifikatsiia nesushchikh i ogranichivayushchikh konstruktsii; sortiment unifikirovannykh stroitel'nykh izdelii dlia zdani razlichnogo naznacheniia. [By] D. B. Khazanov, A. A. Sherenitsa, G. I. Madera. Moskva, Gosstroizdat, 1963. 110 p.

STRAMENTOV, A. E. [Introduction to city planning; lectures on the Soviet city] Vvedenie v gorodskoe stroitel'stvo; lektsii o sovetskom gorode. Moskva, Gosstroizdat, 1963. 170 p.

UPITIS, PETERIS. [Reproductions. Reprodukcijas] Riga, Latvijas Valsts izdevnieciba, 1962. [4] p. plates. [Text in Latvian and Russian]

URIN, VALENTIN. [Russian winter] Russkaya zima. Predisl. Vladimira Sokolukina. Moskva, Gos. izd-vo izobraz. iskus., 1962. 113 p.

VOLODARSKII, V. M. Vasilii Vasil'evich Veroshchagin. Leningrad, Khudozhnik RSFSR, 1962. 28 p. illus. (Narodnaya biblioteka po iskusstvu) (MH)

VOLYNSKII, L. N. [Countenance of the times; book on Russian artists] Litsa vremeni; kniga o russkikh khudozhnikakh. Moskva, Dolgiz, 1962. 222 p. illus.

VUCHETICH, E. V. [The artist and life] Khudozhnik i zhizn'. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 443 p.

ZAGORSK. GOSUDARSTVENNYI ISTORIKO-KHUDOZHNESTVENNYI MUZEI. [Plastic sculpture of the 13th to the 17th century in the collection of Zagorsk Museum; a catalog] Proizvedeniia mekhoi plastiki XIII-XVII vekov v sobranii Zagorskogo muzeia; katalog. Zagorsk, 1960. 338 p. (DDO) (MH)

11. LANGUAGE, LITERATURE & FOLKLORE

AKADEMIIA NAUK MOLDAVSKOI SSR, Institutazyka i literatury. Otdel fol'klora. [Eternally living spring; popular articles on Moldavian folklore] Vechno zhivoi istochnik; sbornik nauchno-populjarnykh statei o moldavskom fol'klоре. Red. kollegiia: G. G. Dotezatu i dr. Kishinev, Shtiintsa, 1961. 98 p. [In Russian and Moldavian] (MH)

AKADEMIIA NAUK SSSR, Institut mirovoi literatury. [History of Russian literature in three volumes] Istoriia russkoi literatury v trekh tomakh. Glav. red. D. D. Blagol. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Literature of the first half of the 19th century] Literatura pervoi poloviny XIX veka. Red. kollegiia: A. M. Lavretskii, U. R. Fokht, A. G. Tselilin, 1963. 618 p.

AKADEMIIA NAUK SSSR, Institut narodov Azii. [Mischievous woman from Baghdad. Translated from the Persian] Putovka iz Bagdada. Predisl. i prim. I. U. Borshchevskogo. Moskva, Izd-vo Vostochnoi lit-ry, 1963. 674 p.

- AKADEMIYA NAUK SSSR. Institut narodov Azii. [Moot questions of Chinese grammar] Spornye voprosy grammatiki kitaiskogo yazyka. Moskva, Izd-vo vostochnoi lit-ry, 1963. 201 p.
- AKADEMIYA NAUK TURKMENSKOI SSR, Ashkhabad, Institut yazyka i literatury. [Outline history of Soviet Turkmen literature] Ocherk po istorii turkmen'skoi sovetskoi literatury. Ashkhabad, 1958- [In Turkmen] Vols. 1-2. (MH)
- AKADEMIYA NAUK URSR, Kiev, Institut literatury. [Letters written to T. H. Shevchenko, 1840-1861] Lysty do T. H. Shevchenka, 1840-1861. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 331 p.
- AKADEMIYA NAUK URSR, Kiev, Institut moyoznavstva, [Ukrainian-Russian dictionary] Ukrainsko-russkii slovar'. Glav. red. I. N. Kirichenko. Chleny red. kollegii: S. F. Levchenko i dr. Red. toma: S. F. Levchenko, I. S. Palamarchuk, L. G. Skripnik. Kiev, Izd-vo Akad. nauk URSR, Vol. 5. R - S. 1962. 591 p.
- AKADEMIYA NAUK URSR, Kiev, Institut mystetstvo-znavstva, [Riddles] Zahadky. Kyiv, Akad. nauk URSR, 1962. 510 p. (Ukrainian: narodna tvorchi'st')
- AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent, Institut yazyka i literatury. [Materials on Uzbek dialectology] Materialy po uzbek'skoi dialektologii. Pod red. V. V. Reshetova. Tashkent, Izd-vo Akad. nauk UzSSR, [In Uzbek] Vol. 2. 1961? 464 p.
- AKADEMIYA NAVUK BSSR, Minsk, Literaturny muzej Iakuba Kolasa. [Life for the people; collected materials on the life and activities of Iakub Kolasa] Zhatstae dila naroda; zbornik materyialau ab zhytstai i dzieinasti Iakuba Kolasa. Minsk, Vyd-va Akad. navuk BSSR, 1962. 296 p. (CaOTU)
- AKADEMIYA NAVUK BSSR, Minsk, Literaturny muzej Ianki Kupaly. [People's poet of White Russia] Narodny poet Belarusi. Minsk, Vyd-va Akad. navuk BSSR, 1962. 360 p. (CaOTU)
- AKADEMIYA PEDAGOGICHESKIKH NAUK RSFSR, Moscow, Institut obshchego i politicheskogo obrazovaniya. [Audio-visual aids in the teaching of foreign languages in schools] Tekhnicheskie sredstva v obuchenii inostrannym yazykam v shkole; sbornik statei. Pod red. Z. S. Khar'kovskogo. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 71 p. (Pedagogicheskie chitaniya)
- AKSAKOV, S. T. [Childhood years of the Bagrov-grandson] Detskie gody Bagrova-vnuka. Moskva, Gos. izd-vo detskoi lit-ry, 1962. 316 p. (Shkol'naya biblioteka) (NRU)
- [ALONG THE PATH OF FRIENDSHIP] Dorogoi druzhby; sbornik. Moskva, Sovetskaya Rossiya, 1963. 136 p. (V pomoshch' khudozhestvennoi samodeiatel'nosti, no. 4)
- ANDRIANOV, S. N., and L. N. SOROKINA. Textbook of economics translation. Uchebnik ekonomicheskogo perevoda. Moskva, Izd-vo IMO, 1961. 349 p. (RFB)
- ANDRIASOV, M. A. [Legend of the golden horse; sketches] Legenda o zolotom kone; ocherki. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1961. 237 p. (MH)
- ANNAKURDOV, M. D. [Outline history of the Soviet Turkmen press] Sovet Turkmenistany'n metbugat tarykhyndan ocherkler. Ashgabat, Turkmenistan dovlet neshiriaty, 1962. 537 p. [In Turkmen]
- ANNANUROV, AMAN-MURAD. [Grammar as an aspect of linguistics] Grammatika dil bitiminin bolumi khokmunde. Ashgabat, Turkmenistan dovlet okup-pedagogik neshiriaty, 1962. 119 p. [In Turkmen]
- ANTIPOVA, M. N. [Wall newspapers in schools] Stennaya gazeta v shkole. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 49 p. (NIC)
- ANTONOV, I. P., and others. [The will to live; a true story] Volia k zhizni; dokumental'naya povest'. [Leningrad] Lenizdat, 1961. 178 p. (KU)
- ARAKIN, V. D. [The Malagasy language] Mal'gashskii yazyk. Pod obshchey red. G. P. Serdiuchenko. Moskva, Izd-vo vostochnoi lit-ry, 1963. 82 p. (Yazyki zarubezhnogo Vostoka i Afriki)
- ARKAD'YVA, A. N., and TS. TIKHONOVA. [Margelan folk talents] Margelenskije narodnye talanty. Tashkent, Gosizdat Uzbekskoi SSR, 1962. 85 p. (MH)
- ARYAT, N. N., and I. U. G. SKIDA. [The Old Russian language] Drevnerusskii yazyk; uchebno-metodicheskoe posobie dlia studentov istoricheskogo fakul'teta. Chernovtsy, Chernovitskii gos. univ., 1960. 1 v (MIU)
- AVALLIANI, I. U. [Materials on the compound verb in Kurdish] Materialy po slozhnomu glagolu kur'dskogo yazyka. Samarkand, Izd-vo Samarkandskogo gos. univ. im. Alishera Navoi, 1962. 97 p.
- [B. G. BELINSKII IN THE REMINISCENCES OF HIS CONTEMPORARIES] B. G. Belinskii v vospominaniakh sovremennikov. [Leningrad] Gos. izd-vo khudozh. lit-ry, 1962. 766 p. (MIU)
- BABLIK, V. S. [Cherry orchard; a trilogy] Vyshneryi sad; trylogiya. Kyiv, Derzhlitvydav, 1962. 573 p. (MH)
- BALAKAEV, MAULEN, and TOLEUBAI KORDABAEV. [Grammar of modern Kazakh; syntax] Kazirgi kazakh tili grammatikasy; sintaksis universitetter men pedagogik institutlardyn filologiya fakul'tetlerine arnalgan okulyk. Almaty, Kazaktyn memlekettik okup-pedagogika baspasy, 1961. 280 p. [In Kazakh]
- BANDURENKO, I. F. [If I take up a bandore; satires and lyrics] Vzlav by ia banduru; antyra i liryka. Kyiv, Derzhlitvydav, 1962. 154 p. (MH)
- BARKA, VASYL. [Truth of Kobzar'] Prayda Kobzar'a. [New York] Vyd-vo Proloh, 1961. (Suspl'no-politychna biblioteka, ch. 12) (InU)
- al-BAYATI, ABD al-WAHID. [The path of freedom; verse. Translated from the Arabic] Put' svobody; stikhi. Pod red. S. Mikhailova. Moskva, Izd-vo inostr. lit-ry, 1962. 104 p. (MH)
- BEKMUKHAMEDOVA, KH. A. [Study of the complex subordinated sentence in grade 8 helps Kazakh pupils to master spoken Russian] Razvitiye russkoi rechi uchashchikhsia-kazakov v svyazi s izucheniem slozhnopolochinnogo predtozheniia v VIII klasse. Alma-Ata, Kazuchpedgiz, 1962. 27 p.
- BELIAEV, A. A. [The sea roars; stories] More shumit; rasskazy. [Murmansk] Murmanskoe knizhnoe izd-vo, 1961. 102 p. (MIU)
- BELIAEV, A. R. [The "Kets" star. Professor Dowell's head. Eternal bread] Zvezda KETS. Golova profesora Dowella. Vechnyi khleb. [Orenburg] Orenburgskoe knizhnoe izd-vo, 1959. 403 p. (CuU)
- BEREZKO, G. S. [Stronger than the atom; a novel] Sil'nee atoma; roman. Moskva, Sovetskii pisatel', 1961. 350 p. (MnU)
- BIALIK, B. A. [M. Gor'kii as a dramatist] M. Gor'kii - dramaturg. Moskva, Sovetskii pisatel', 1962. 635 p. (CSU) (CU) (CaOTU)
- BILETS'KYI, O. I., and others. [Ukrainian literature] Ukrain'ska literatura; pidruchnyk dlia 9 klasu serednoi shkoly. Za zahal'nou red. O. I. Bilets'koho. Vyd. 15. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1962. 278 p.
- BOICHENKO, OLEKSANDER. [Youth; a tale] Molodist'; povist'. Kyiv, Molod', 1962. 561 p. (InU)
- BOL'SHAK, V. H. [Nightingale land; a tale and stories] Solov'nyi kraj; povest' i rasskazy. Moskva, Sovetskii pisatel', 1962. 413 p. (MH)
- BONAMI, T. M. [I. A. Bunin's prose, 1887-1904] Khudozhestvennaia proza I. A. Bunina, 1887-1904. [Vladimir] Vladimirovskoe knizhnoe izd-vo, 1962. 106 p. (MH)
- BOROVNIKOV, G. F. [Heavy shower; a novel] Liven'; roman-khronika. [Moskva, Molodaya gvardiya] 1960. 496 p. (MIDW)
- BRECHT, BERTOLT. [Threepenny novel. Translated from the German] Trekhgrashovyi roman. Leningrad, Gos. izd-vo khudozh. lit-ry, 1962. 399 p. (Zarubezhnyi roman XX veka) (CU)
- BURIAKINA, L. M. [V. I. Lenin and classical Russian literature] V. I. Lenin i russkaia klassicheskaya literatura; posobie dlia biblioteknykh rabotnikov. Minsk, M-vo vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1961. 35 p. (MH)
- BURLAI, IURIL. [Mykhailo Stel'makh; a literary portrait] Mykhailo Stel'makh; literaturnyi portret. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 123 p. (CaOTU)
- BUSHKANETS, E. G. [Illegal poetry of revolutionary circles at the end of the 1850's and beginning of the 1860's] Nelegal'naya poeziia revoliutsionnykh krugov kontsa 50-kh - nachala 60-kh godov XIX veka. [Kazan'] Izd-vo Kazanskogo univ., 1961. 40 p. (MH)
- BYCHKO, VALENTYN. [The bonfire; selected verse for children] Vohnyashche; vybrani virshi dlia ditei. Kyiv, Molod', 1949. 211 p. (IU)
- [CAPTAIN OF A FLIGHT TO THE STARS] Kapit'an zvezdoleta. [Kalinigrad] Kaliningradskoe knizhnoe izd-vo, 1962. 267 p. (Fantastika i priklucheniia)
- CHAPLENKO, VASYL'. [Death of Poromit'ko; a tale] Zahybil' Poromit'ka; povist'. New York, 1961. 175 p. (InU)
- CHEKHOV, A. P. [Selected works] Izbrannye proizvedeniia. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 3 v. (NNC)
- CH'EN TS'AI. [Legend about Yüeh Fei; an historical novel in two volumes. Translated from the Chinese] Skazanie o Iiue Fes; istoricheskii roman v dvukh tomakh. Moskva, Goslitizdat. Vol. 1. 1963. 478 p. (Biblioteka istoricheskogo romana)
- CHIZHIK-POLEIKO, A. L. [Stylistics of the Russian language] Stilistika russkogo yazyka; uchebnoe posobie dlia studentov-filologov. Voronezh, Izd-vo Voronezhskogo univ. Vol. 1. 1962. (MIU)
- CHUKREEV, V. I. [Along Route 26; a tale] Po marshrutu 26-i; povest'. Moskva, Sovetskaya Rossiya, 1962. 116 p. (Korotkie povesti i rasskazy) (MH)
- CLEMENS, S. L. [Life on the Mississippi. Translated from the English] Zhizn' na Mississipi. Petrozavodsk, Gos. izd-vo Kareli'skoi ASSR, 1960. 347 p. [Publ. under his pseud. Mark Twain] (CU)
- [COMMUNISTS, STANDARD BEARERS OF PEACE; new verse of Leningrad poets] Znamenostsy mira, kommunisty; novye stikhi leningradskikh poetov. [Red. kollegii: V. B. Azarov, B. A. Kezhun, A. N. Chepurov, Leningrad] Lenizdat, 1961. 141 p. (MH)
- [CONCISE DICTIONARY OF RUSSIAN AND TURKMEN PROVERBS] Kratki frazeologicheskii slovar' russkogo i turkmenakogo yazykov. Soit. A. Kuliev, A. Annanurov, G. Kulieva. Ashkhabad, Izd-vo Akad. nauk Turkmen'skoi SSR, 1963. 222 p.
- DALEKA, L. [Breeze and winds; verse] Leht i bryzy; poeziia. Melbourne, Lastivka, 1957. 62 p. (IU)
- DANILOV, S. P. [Northern songs; verse. Translated from the Yakut] Severnye pesni; stikhi. Irkutsk, Irkutskoe knizhnoe izd-vo, 1957. 160 p. (InU)
- DAVYDOV, A. M. [The sun in the birch grove; verse] Solntse v bereznake; stikhi. [Kalbyshev] Kalbyshevskoe knizhnoe izd-vo, 1962. 54 p. (Biblioteka pervoi knizhki) (MH)

- DE BOISSIERE, RALPH. [Crown jewel; a novel. Translated from the English] Zhemchuzhina korony; roman. Moskva, Izd-vo Inostr. Lit-ry, 1958. 383 p. (IU)
- DEDUSHKIN, N. S. [Chuvash literature during the Great Patriotic War, 1941-1945; a critical and bibliographical account] Chuvashskaya literatura perioda Velikoi Otechestvennoi volny, 1941-1945 gg.; kritiko-bibliograficheski ocherk. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1962. 154 p. (MH)
- DEMİN, MIKHAIL, pseud. [Parallels and meridians; verse] Paralleli i meridiany; stikhi. Moskva, Sovetskii pisatel', 1962. 86 p. (MH)
- DMITRIEV, I. D., and N. F. OSIPOV. [Tale of immortal Joe] Povest' o vechno zhivom Dzhoe. Moskva, Izd-vo "Znanie", 1962. 91 p. (Prochti, tovarishch!)
- DMITRIEV, N. K. Fedor Evgen'evich Korsh. [Moskva] Izd-vo Mosk. univ., 1962. 55 p. (Zamechatel'nye uchenye Moskovskogo universiteta) (NIC)
- DMITRIEV, P. A., and G. I. SAFRONOV. [New rules of Serbo-Croatian spelling] Nove pravila pravopisanja serbokhorvatskoga jazyka; uchebnoe posobie. [Leningrad] Izd-vo Leningradskogo univ., 1963. 53 p. (V pomoshch' studentam vechernikh i zaocnykh vuzov)
- DOBROLUBOV, N. A. [Articles of literary criticism] Literaturno-kriticheskie statii. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1956. 609 p. (LU)
- DODGSON, C. L. [Alice in Wonderland. Translated from the English] Alisa v strane chudes. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1960. [Publ. under his pseud., Lewis Carroll] (MIDW)
- DOKOLEV, V. E. [Northern stories] Severnye rasskazy. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 75 p. (MH)
- DOLOMAN, I. E. M. [Your flourishing maturity; verse] Tyoe kvituche pomolittia; poezii. Kyiv, Derzhlitvyd-vo, 1962. 178 p. (MH)
- DRUZINA, M. V. [Playwright Sean O'Casey] Shen O'Keisi - dramaturg. Moskva, Izd-vo "Znanie", 1963. 29 p. (Novoe v zhizni, nauke, tekhnike. VI Seriya: Literatura i iskusstvo, no. 4)
- DUBINSKII, I. V. [The Shatrovs; a tale] Shatrovy; povest'. Moskva, Sovetskii pisatel', 1962. 299 p. (MIU)
- DUBROVIN, B. S. [The earth bids farewell; lyrics] Provozhaet zemlia; lirika. Moskva, Sovetskii pisatel', 1962. 165 p. (MH)
- DUBROVINA, E. M. [Dark blue forest; verse] Sinii les; stikhi. Moskva, Sovetskii pisatel', 1962. 117 p. (MH)
- DUROVA, N. A. [Notebook of a woman in the cavalry] Zapiski kavaleristki-devitsy. Moskva, Izd-vo "Sovetskaya Rossiya", 1962. 239 p. (CS)
- [ECHO FROM THE MOSCOW ENVIRONS; a collection of works by members of literary societies in Moscow and Moscow Province] Podmoskovnoe ekho; sbornik proizvedenii chlenov literaturnykh ob"edinenii Moskvy i Moskovskoi oblasti. [Moskva] Mosk. rabochii, 1963. 279 p.
- ELIN, PELIN, pseud. [Works in two volumes. Translated from the Bulgarian] Sochineniya v dvukh tomakh. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 2 v. [Author's real name; Dimitur Ivanov] (NN)
- ELKOV, ALEKSANDR. [On the rise; verse] Na voskhode; stikhi. Alma-Ata, Kazgoslitizdat, 1962. 84 p. (MH)
- EMEL'IANOV, A. IA. [If the heart summons] Esi serdtse zovet. Moskva, Sovetskaya Rossiya, 1963. 59 p.
- [ENGLISH-LATVIAN DICTIONARY. Approximately 20,000 words] Anglu-Latviesu vardsica [By] J. Raskevica, M. Sosare, L. Timencika. Ap 20 000 vardu. Riga, Latvijas Valsts izdevnieciba, 1962. 720 p.
- ERSHOVA, E. N. [System for working on Russian language sounds in eight-year Turkmen schools] Sistema raboty nad zvukovymi iavleniyami russkogo jazyka v vos'miletnei turkmenskoi shkole. Ashkhabad, Turkmenuchpedgiz, 1962. 93 p. (Biblioteka uchitelja)
- ESENOV, R. M. [Master of the land; stories and sketches] Khozain zemli; rasskazy, ocherki. Ashkhabad, Turkmenskoe gos. izd-vo, 1962. 173 p. (MH)
- EVDOKIMOV, N. E. [Highways and byways] Sulsemlersem, [Cheboksary] Chuvash ASSR Koneke izdatel' - stvi, 1962. 223 p. [In Chuvash]
- EVSEVA, S. G. [Woman under an apple tree; first book of verse] Zhenshchina pod yablonei; pervaya kniga stikhov. [Moskva] Molodaia gvardia, 1962. 112 p. (MH)
- EZERA, REGINA. [Latgalian stories. Translated from the Latvian] Latgale jutustusi. Tallinn, Ajalehtede Ajakirjade Kirjastus, 1962. 63 p. ("Loomingu" raamatogu, no. 32[248]) [In Estonian]
- FEDOROV, VLADIMIR. [Mars over Kozachiy Bor; a tale] Mars nad Kozach'im Borom; povest'. Moskva, Izd-vo "Pravda", 1963. 63 p. (Biblioteka "Ogonek", no. 12)
- FISH, R. G. [Turkish writers, their books and destinies] Pisateli Turtail — knigi i sud'by. Moskva, Sovetskii pisatel', 1963. 285 p.
- FOLMANIS, ZANIS. [Under the wings of an albatross; reporting from land and sea. Translated from the Latvian] Pod kryl'iami al'betroso; reportazh s moria i sushi. Moskva, Sovetskii pisatel', 1962. 181 p. (WU)
- GADAENKO, I. P. [The addressee will be found; humorous stories] Adresat naidetsia; iumoristicheskie rasskazy. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 140 p. (RPB)
- GAMZATOV, R. G. [Lofty stars; verses and a poem. Translated from the Avaric] Vysokie zvezdy; stikhi i poema. Moskva, Sovetskii pisatel', 1962. 264 p. (MH)
- GANICHEV, N. G. [Mother goes away; a tale] Mat' uezhaet; povest'. [Kirov] Kirovskoe knizhnoe izd-vo, 1962. 86 p. (MH)
- GARNOVSKII, V. V. [Song over the river; stories and a tale] Pesnia nad rekoi; rasskazy i povest'. Vologda Vologodskoe knizhnoe izd-vo, 1962. 134 p. (MH)
- GERMAN, I. P. [Our acquaintances; a novel] Nashi znakomyye; roman. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1960. 677 p. (MIU)
- GEVORKIAN, VAZGEN. [Lermontov; a tragedy in 5 acts. Translated from the Armenian] Lermontov; tragediia v 5 deistviakh. Erevan, Armanianskoe gos. izd-vo, 1961. 229 p. (MIU)
- GLAZKOV, N. I. [Poets' city; verse] Poetograd; stikhi. [Moskva] Molodaia gvardia, 1962. 141 p.
- GOGOL', N. V. [The overcoat] Shinel'. Der Mantel. Für den Unterricht bearb. von A. E. Graf. Berlin, Volk und Wissen Verlag, 1951. 44 p. (Neue Russische Bibliothek, no. 18) (FTASU)
- GONCHAROV, N. I. [Spring bud; verse] Vesenniaia zaviaz'; stikhi. Minsk, Gos. izd-vo BSSR, 1962. 35 p. (MH)
- GONCHAROVA, T. A. [New residence; stories] Novosel'e; rasskazy. [Omsk] Omskoe knizhnoe izd-vo, 1962. 70 p. (MH)
- GORBAN', E. I. [Land of the fearless; verse] Zemlia besstrashnykh; stikhi. Moskva, Sovetskii pisatel', 1959. 99 p. (MIU)
- GORELOV, V. I. [Conjunctions in the compound sentence in modern literary Chinese] Sotuzy v slozhnom predlozhenii sovremennogo kitaiskogo literaturnogo jazyka. Moskva, Izd-vo IMO, 1963. 211 p.
- GORSHUNOV, P. D., and B. V. NEKRASOV. [Plane on the wing to the North; a sketch] Samolet idet na sever; ocherk. [Magadan] Magadanskoe knizhnoe izd-vo, 1962. 31 p. (Nashi morinki) [MICROFILM]
- GVOZDEV, A. N. [Training children in the grammatical structure of the Russian language] Formirovaniye u rebenka grammaticheskogo stroia russkogo jazyka. Pod red. S. I. Abakumova. Moskva, Izd-vo pedagog. nauk, 1949. 2 v. (MH)
- HANYCH, D. I., and I. S. OLEINYK. [Russian-Ukrainian dictionary for secondary schools] Russko-ukrains'kyi slovar' dlia srednei shkoly. Pod red. I. A. Varchenko. Kyiv, Radnars'ka shkola, 1962. 639 p.
- HASEK, JAROSLAV. [Articles and feuilletons written in Russian] Stat'i i feletony, napisannye po-russki. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1959. 56 p. (IU)
- [HISTORY OF SOVIET RUSSIAN LITERATURE] Istoriia Russkoi sovetskoi literatury. [Moskva] Izd-vo Mosk. univ., Vol. 2. 1963. 769 p.
- HURINENKO, P. V., ed. [Human beauty; a story] Krasa ljud'ska; opovidannya. Kyiv, Radnars'kyi pyshchennyk, 1962. 486 p. (MH)
- HURLADI, MYROSLAVA. [Features of the present; notes for essays and essays] Ryay suchasnosti; notatky pro narysy i narysovativ. Kyiv, Derzhlitvyd-vo, 1962. 132 p. (MH)
- HURSKI, M. I., M. H. DULAKHAU, and M. TS. MARCIAN-KA. [The White Russian language] Belaruskaya mova; padručnik dlia studentau fakul'tetau pachatkovykh shkol pedagogichnykh instytutau. Minsk, Vyd-va M-va vyshchishch, siarodniai spetsyial'na i profesyial'na adukatsiia BSSR. Pt. 2. 1962. 265 p.
- IANKOUSKI, FIODAR, comp. [White Russian proverbs, sayings, and phrases] Belaruskia prykazki, prymanuki, frazealagizmy. 2. vyd., dop. Minsk, Vyd-va Akad. nauk BSSR, 1962. 555 p. (NN)
- INANISHVILI, REVAZ. [Call in the mountains; stories. Translated from the Georgian] Zov v gorakh; rasskazy. Moskva, Sovetskii pisatel', 1962. 189 p. (MH)
- IOLTUKHOVSKII, GHIGORII. [Story of the scout Zhukin] Razvedknykh zhukin khokiatary, Seriatary L. Lamm bifen L. Vinogradovanyky. Ashgabat, Turkmenistan dovlet neashiraty, 1963. 39 p. [In Turkmen]
- ISBAKH, A. A. [Luisa Aragon; his life and works] Lui Aragon; zhizn' i tvorchesvo. [Moskva, Sovetskii pisatel', 1962]. 338 p. (MIU)
- IURHELEVICH, P. IA. [An account of the White Russian language with historical commentary; phonetics, orthography, spelling and orthography, vocabulary and phraseology] Narys sashasnal belaruskai movy z historychnymi kamontaryiamy; fonetyka, arfaepila, grafika i pravapila, lokaika i frazealagizma; dypamozhnik dlia studentau, filialagichnykh i historyka-filialagichnykh fakul'tetau pedagogichnykh instytutau. Izd. 2. Minsk, Vyd-va M-va vyshchishch, siarodniai spetsyial'na i profesyial'na adukatsiia BSSR, 1961. 165 p. (MH)
- IVANENKO, O. D. [Talos] Kazki. Kyiv, Derzh. vyd-vo dytlichoi lit-ry URSR, 1958. 381 p. (WU)
- IVANOV, A. M., comp. [Life with an illusion] Zhizn' s mechtai; [sbornik]. Tashkent, Goslitizdat, 1961. 449 p. (MH)
- IVANOV, N. A. [Oro; a play] Ruda; p'esa. [Moskva, Iskusstvo], 1962. 65 p. (MH)
- IVANOV, V. V. [Stories] Rasskazy. Moskva, Sovetskii pisatel', 1963. 541 p.
- IVASHCHENKO, V. I. Mykola Kyba'chych. Kyiv, Molod', 1962. 103 p. (MH)

- IZMAILOV, A. V., ed. [Teaching Russian literature in non-Russian nationality schools] Prepodavanie rus-skoj literatury v natsional'noi shkole; sbornik statei. Moskva, Gos.uchebno-pedagog. izd-vo, 1962. 261 p. (NIC)
- IZMAILOVA, R. M., V. A. SAMARINA, and I. A. M. IANKOVSKAYA. [Experience with vocabulary and spelling work in grades 1 to 3] Opyt slovarno-ortograficheskoi raboty v I-III klassakh. Pod red. N. P. Kanonykina. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1950. 83 p. (Pedagogicheskie chteniia) (OU)
- KAKISHEV, TURSUNBEK. [Fruit of October; problems of ideological creativeness of Kazakh Soviet literature in the period of its development, 1917-1929. Plody Oktabria '17; ob ideino-tvorcheskikh voprosakh kazakh-skoi sovetskoi literatury v period ee stanovleniia, 1917-1929 gg. Alma-Ata, Kazgostizdat, 1962. 200 p. [In Kazakh] (MH)
- KALASHNIKOVA, I. F. [Levitan; a tale in verse] Levitan; povest' v stikhakh. [Alma-Ata] Kazgostizdat, 1962. 123 p. (MH)
- KALINICHEV, S. S. [Souvenir; stories] Suvenir; rasskazy. Kyiv, Derzhlitvydav, 1962. 155 p. (MH)
- KALININ, A. V. [Restricted area; a novel] Zapretnaia zona; roman. [Moskva] Molodaia gvardiia, 1962. 159 p. (NIC)
- KALYNOVYCH, M. I. A., ed. [Russian-Ukrainian dictionary] Russko-ukrainskii slovar'. Chleny redaktsii I. A. Bulakhovskii, M. F. Ryl'skii. Kiev, Izd-vo Akad. nauk USSR, 1962. 803 p. (CITY)
- KANUNOVA, F. Z. [Some characteristics of the realism of N. V. Gogol'; on the interrelation of the realistic and romantic origins in the aesthetics and works of the writer] Nekotorye osobennosti realizma N. V. Gogolia; o sootnoshenii realisticheskogo i romanticheskogo nachala v estetike i tvorchesve pisateli. Tomsk, Izd-vo Tomskogo univ., 1962. 133 p. (CaOTU)
- KATENINA, T. E. [Outline grammar of the Marathi language] Ocherk grammatiki iazyka maratki. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1963. 294 p.
- KATINOV, V., comp. [The Soviet war story] Sovetskii voennyi rasskaz; sbornik. Moskva, Voen. izd-vo, 1953-1954. 2 v. (OU)
- KAUDZITS, REINIS. [The times of the land surveyors; a tale. Translated from the Latvian] Vremena zemlemerov; povest'. Moskva, Gos. izd-vo khud. lit-ry, 1962. 469 p. (RPN)
- KAVALIOU, P. N. [The sun in the window; a tale and stories] Sontsa u volny; apovesti i apoviadanni. Minsk, Dziarzh. vyd-va BSSR, 1962. 474 p. (MH)
- KAZAKEVICH, E. G. [By the light of day; a story] Pri svetle dnia; rasskaz. Moskva, Gosizdat, 1963. 69 p. (Rasskazy sovetskikh pisatelei)
- [KEYS; collection of one-act plays. Translated from the Dargwa and other languages] Kluchi; sbornik odnoaktnykh p'es. Moskva, Sovetskaiia Rossiia, 1963. 158 p. (Biblioteka v pomoshch' khudozhestvennoi samodeiatel'nosti, no. 5)
- KHETAGUROV, K. L. [Collected works] Sbranie sochinenii. Moskva, Izd-vo Akad. nauk SSSR, 1950-1961. 5 v. [In Russian and Ossetic] (Wau)
- KHRAPLYVA, LESIA. [Immortal Cossack; a story for children] Kozak Nevmyraka; opovidanni dia ditei. New York, 1961. 96 p. (IU)
- KHROMOV, KUZ'MA. [Sons of Fakhraddin] Synov'ia Fakhraddina. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 56 p. (MH)
- KIRUSHCHEV, N. S. [High calling of literature and art] Vysokoe pryzvanie literatury i iskusstva. Moskva, Izd-vo "Pravda", 1963. 247 p.
- KHUDAIKULIEV, MUKHAMEDKULI. [Onomatopoeic words in Turkmen] Podrazhatel'nye slova v turkmen-skoi iazyke. Ashkhabad, Izd-vo Akad. nauk Turkmen-skoi SSR, 1962. 134 p.
- KIEV. NAUKOVO-DOSLIDNYI INSTYTUT PEDAGOGIKY. [Methodology of teaching the Ukrainian language in secondary schools] Metodyka vykladannia ukrains'koi movy v serednii shkoli. Za red. S. Kh. Chavdarova i V. I. Masal'skoho. Kyiv, Radians'ka shkola, 1962. 371 p.
- KIKINOV, G. V. [Face to the sun; verse] Litsom k solntsu; stikhi. Petrozavodsk, Gosizdat Karelskoi ASSR, 1962. 101 p. (MH)
- KILGAS, PAUL. [The nightingale sang at dawn; a tragedy. Translated from the Estonian] Solovei pol na zare; tragediia. Tallinn, Estonskoe gos. izd-vo, 1962. 88 p. (MH)
- KLEIMENOV, F. V. [Siberians; a collection of stories] Sibirskii; sbornik rasskazov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 79 p. (MH)
- KOBYLIANS'KA, OL'HA. [Works in five volumes] Tvory v p'iaty tomakh. Kyiv, Derzh. vyd-vo khudozh. lit-ry. Vol. 3. 1963. 437 p.
- KOCHETOV, A. N. [The curtain does not fall] Zanyaves ne opuskaietsia. [Leningrad, Iskusstvo, 1962]. 90 p. (MH)
- KOCHINEVA, O. K. [Adverbs with the prefix po- and the suffix -omu, (-emu) in the present-day Russian literary language] Narechiia s prefiksom po- i suffiksom -omu, (-emu) v sovremennom russkom literaturnom iazyke. Murmansk, Murmanskii gos. pedagog. in-t, 1962. 17 p. (MH)
- KOLCHIN, V. A. [Life calls; a tale] Zhizn' zovet; povest'. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 160 p. (MH)
- KOMISSAROVA, M. I. [Most dear; verse] Samoe dorogoe; stikhi. Leningrad, Sovetskii pisatel', 1962. 218 p. (CU)
- KOMPUS, I. S. [The overturned inkstand; a play] Oproknutaiia chernil'nitsa; p'esa. Moskva, Iskusstvo, 1962. 86 p. (MH)
- KONDAKOV, G. V. [High land; verse] Vysokala zemlia; stikhi. [Barnaul] Altinskoe knizhnoe izd-vo, 1962. 30 p. (MH)
- KORSHUNOV, A. F. [Cherished shore; verse] Zavebnyi bereg; stikhi. [Leningrad] Lentzdat, 1962. 118 p. (MH)
- KORYBUTIAK, STEPAN. [His idea; short stories] Ioho idea; novelli i opovidanniia. [Munich] 1953. 56 p. ("Nasha knyhozhbirnia", no. 12) (IU)
- KOSTIN, A. G. [Tos'ka's caprice; stories and sketches] Tos'ka kapriz; rasskazy i ocherki. [Gor'kii] Gor'-kovskoe knizhnoe izd-vo, 1962. 135 p. (MH)
- KOZLOVSKII, I. A. [Complaint of a barrel; satire and humor of Dagestan poets] Zhuloba bochki; satira i humor poetov Dagestana. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1960. 92 p. (MH)
- KRASITS'KYI, D. [For children about Taras Shevchenko] Ditiia pro Tarasa Shevchenka. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1962. 76 p.
- KREMLEV, I. L. [Bolsheviks; a trilogy] Bol'shevikii; triologiia. Moskva, Sovetskii pisatel', 1963. Vol. 1. [Two families] Dve sem'i. 610 p. Vol. 2. [Wolves] Volki. 630 p. Vol. 3. [Soldiers of the revolution] Soldaty revoliutsii. 514 p.
- KRIIAKIN, E. E. [Eastern crossroad; verse] Vostochnyi perekrestok; stikhi. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 63 p. (MH)
- KRUCHKOV, ALEKSEI [Snowdrops; verse] Podanezhniki; [stikhi]. Alma-Ata, Kazgostizdat, 1962. 118 p. (MH)
- KROKHMAL'NIK, IURIL. [Guest from Chigirin] Zvidun z Chyhyryna. Buenos Aires, Vyd-vo Iuliana Serodiaka, [1961] 232 p. [Publ. under author's pseud. Iurii Tys] (IU)
- KROPYVNYTS'KYI, MARKO. [Selected plays] Vybrani p'esy. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 385 p. (CITY)
- KRUPSKAYA, N. K. [Our very best friend; from reminiscences about Lenin] Nash samyi luchshii drug; iz vospominanii o Lenine. Moskva, Detgiz, 1963. 124 p. (Shkol'naiia biblioteka)
- KRUSHYNA, RYHOR. [Black swan] Lebedz' chornaiia. [n.p.] Beloruskoe vyd-vo "Pahonia," 1947. 62 p. (NNC)
- KRYLOV, I. A. [The dragonfly and the ant] Strekoza i muravei. Moskva, Gos. izd-vo detskoi lit-ry M-va prosv. RSFSR, 1960. 16 p. (Moi pervye knizhki) (MWelC)
- KUPRIANOVA, Z. N., L. V. KHOMICH, and A. M. SHCHERBAKOVA. [The Nenets language] Nenetski iazyk; uchebnoe posobie dlia pedagogicheskikh uchilissh. 2. izd. Leningrad, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1961. 266 p. (CITY)
- KURGANOV, O. I. [Three days and three nights] Tri dnia i tri nochi. Moskva, Izd-vo "Znanie", 1963. 63 p. (Prochti, tovarishchi!)
- KUSAKOV, NIKOLAI. [Dostoevskii and Russian culture] Dostoevskii i russkaia kul'tura; polnyi tekst doklada sobranitu russkoi kolonii v Argentine po shchekalu 75-letia so dnia konchiny F. M. Dostoevskogo, 1881-1956. Buenos Aires, Izd-vo "Nasha strana", 1957. 39 p. (OU)
- KUZNETSOVA, S. A. [Thawed patch; lyrics] Protaliny; lirika. [Moskva] Molodaia gvardiia, 1962. 75 p. (MH)
- LAMPEDUSA, GIUSEPPE di. [The leopard; a novel. Translated from the Italian] Leopard; roman. Moskva, Izd-vo Inostr. lit-ry, 1961. 260 p. (IU)
- LARIN, M. P. [Spring mail; verse] Vsesenniaia pochta; lirika. Kyiv, Radians'kii pys'mennyk, 1962. 116 p. (MH)
- LATVIJAS PADOMJU SOCIALISTISKAS ZINATNU AKADEMIJA, Valodas un literaturas instituts. [Grammar of the modern Latvian literary language] Mueidienii latvisai literaras valodas gramatika. Riga, LPSR Zinatnu akad. izdevnieciba. [In Latvian] Vol. 2. [Syntax] Sintakse. 1962. 931 p.
- LAVRENT'EV, V. V. [Plays] P'esy. Moskva, Sovetskii pisatel', 1960. 442 p. (MH)
- LAVRISHCHEV, T. T. [Flowers and wings] Tsvety i kryl'a. Krasnolensk [Krasnolenskoe knizhnoe izd-vo] 1961. 38 p. (Biblioteka sibirskogo rasskaza, no. 5) (KU)
- LEBKOV, E. D. [Sunny self-sown plant] Solnechnyi samosev. Iuzino-Sakhalsk, Sakhalskoe knizhnoe izd-vo, 1962. 53 p. (Poety Sakhallia) (MH)
- LENSU, A. I. A. [Early use of the method of socialist realism in the works of Ianka Kupala.] Stanaulenne metadu satsyalistichnaha realizmu u tvorchasti Ianki Kupaly. Minsk, Vyd-va M-va vysshelishai, sheredniai spetsial'nei i profesional'nei adukatsyi BSSR, 1962. 86 p. (MH)
- LEONT'EVA, T. K. [Larks; a novel] Zhavoronki; roman. Moskva, Sovetskii pisatel', 1962. 373 p. (MH)
- LERMONTOV, M. I. U. [Selected works] Izbrannnye proizvedeniia [3. izd.] Moskva, Gos. izd-vo detskoi lit-ry, 1962. 540 p. (Shkol'naiia biblioteka) (LNIIT)

- LEVITIN, M. E. [The end of the king of pretense] *Konets korol'a l'py*. Moskva, Sovetskii pisatel', 1962. 220 p. (MH)
- LIAPUNOV, B. V. [The ship returned from outer space] *Korabl' vernulsia iz kosmosa*. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 28 p. illus. (MIDW)
- LIAPUNOV, B. V., comp. [Life and works of M. Il'in] *Zhizn' i tvorchestvo M. Il'ina*. Moskva, Detsiz, 1962. 462 p. (MH) (NIC) (RPB) (NN)
- [LITERARY LEGACY] *Literaturnoe nasledstvo*. Red. I. I. Anisimov i dr. Moskva, Izd-vo Akad. nauk SSSR. Vol. 71. [Vasilii Slepsov. Unknown pages] Vasilii Slepsov. Neizvestnye stranitsy. 1963. 544 p.
- [LITHUANIAN-RUSSIAN DICTIONARY. Approximately 37,000 words] *Lietuviu-rusu kalbu zodynas* [By] A. Lyberis. Apie 37 000 zodziu, Radagavo Ch. Lemchenas. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 747 p.
- LIUBAREVA, E. P. [Poem of A. Tvardovskii, "Long, long way"] *Poema A. Tvardovskogo "Za dal'iu-dal'"*. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 101 p. (Massovaya istoriko-literaturnaia biblioteka) (RPB)
- LOBKO, N. P. [Varen'ka; a tale] *Varen'ka; povest'*. [Ivanovo] Ivanovskoe knizhnoe izd-vo, 1962. 215 p. (MH)
- LUKIN, A. V. [My star] *Manan saltar; sayasem*. [Cheboksary] Chavash ASSR keneke izdatel'stvi, 1962. 81 p. [In Chuvash]
- LUNENKO, G. I. [The party organization and the press] *Partiinaya organizatsiia i pechat'*. Moskva, Gospolitizdat, 1962. 77 p. (Biblioteka sekretaria pervichnoi partinnoi organizatsii, no. 3)
- LVOV, UNIVERSYTET. [Collection of works by degree candidates in the Department of Philology] *Zbirnyk robót aspirantiv katedry filologicheskikh nauk*. [Lviv] Vyd-vo L'vivskoho univ., 1960. 192 p. (CAOTU)
- MAHABHARATA. Russian. [Mahabharata. Translated from the Sanskrit] *Mahabharata*. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1960-1961. Vol. 2. [Bhagavadgita] *Bhagavadgita*, 2 perer, izd. Vol. 5. *Mokshadharma*. (NNC)
- MAJLIS, 11. 16th cent. [Tale of Saif al-muluk; a poem. Translated from the Uzbek] *Skazanie o Saifu'l muluke; poema*. Tashkent, Goslitizdat UzSSR, 1961. 66 p. (Biblioteka klassikov uzbekskoi literatury) (MH)
- MAKOVET, OSEP. [Zales'ye; a tale] *Zalissia; povest'*. 2., spravl. vyd. [n.p., 1949?] 352 p. (CAOTU)
- MALJUGA, EVGENII, comp. [Kazakh folk tales] *Kazakhskie narodnye skazki*. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1962. 146 p.
- MALOT, H. H. [Nobody's boy. Abridged translation from the French] *Bez sem'i*. Alma-Ata, Kazakhskoe gos. uchebno-pedagog. izd-vo, 1959. 405 p. (U)
- MALYSHKO, ANDRII, and PLATON MAIBORODA, eds. [Heart strings; Ukrainian love songs] *Struny sertsia; ukrains'ki p'iani pro kochannia*. Kyiv, [Derzh. vyd-vo khudozh. lit-ry] 1962. 238 p. (NN)
- MAMN, D. N. [The aerle; a novel] *Gornoe gnezdo; roman*. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 305 p. (CAOTU)
- MARKOV, G. M. [Father and son; a novel] *Otets i syn; roman*. Moskva, Gos. izd-vo khudozh. lit-ry, 1963. 60 p. (Roman-gazeta, no. 7[283])
- MARKOVA, V., tr. [Fairy tales; Tale about the old man Taketori. Tale about the beautiful Otikubo. Translated from the Japanese] *Vol'shebnye povesti: Povesti o starike Taketori, Povesti o prekrasnoi Otikubo*. Moskva, Goslitizdat, 1962. 333 p.
- MARSHAK, S. IA. [Tales, songs, and riddles] *Skazki, pesni, zagadki*. Moskva, Gos. izd-vo detskoi lit-ry, 1961. 877 p. (Shkol'nai biblioteka) (MIDW)
- MARTYNOV, B. F. [Journalist and publisher I. G. Rakhmaninov, 1753-1807] *Zhurnal'st i izdatel' I. G. Rakhmaninov, 1753-1807 gg.* [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 70 p.
- MASHTAKOV, P. I. [Beams in the furrow; verse] *Luchi v borozde; stikhi*. Barnaul, Altai'skoe knizhnoe izd-vo, 1962. 29 p. (MH)
- MASK, V. I. [Poetic mastery of Isakovskii] *O poeticheskom masterstve Isakovskogo*. Voronezh, Izd-vo Voronezhskogo univ., 1962. 41 p. (MH)
- MEISSNER, JANUSZ. [Warsaw is the route to Berlin. Translated from the Polish] *"Varshava" - kurs na Berlin*. Moskva, Voenizdat, 1962. 145 p. (CSI-II)
- MELEZH, IVAN. [What kind of a man is he; stories and sketches] *Shto ion za chelovek; apoviadanni, apovesti, narysy*. Minsk, Dzialzh, vyd-va BSSR, 1961. 477 p. (MH)
- MEL'NIKOV, P. I. [Bear Nook and other stories] *Medvezhii ugol, i drugie rasskazy*. Moskva, Gos. izd-vo khudozh. lit-ry, 1960. 237 p. (Massovaya seriia) (NcD)
- MEHIAKOV, S. V. [Careful, the fall of leaves; eight scenes from life. Ezitoni Burcelli, a tragicomedy] *Ostorozhno, listopad; vosem' sisen iz zhizni, Ezitoni Burcelli; tragikomedii*. [Moskva, Iskustvo, 1962] 138 p. (MH)
- MITSEVICH, K. M. [Collected works] *Zbor tvoruu*. Minsk, Dzialzh, vyd-va BSSR. [Publ. under his pseud. Iakub Kolas] Vols. 1, 3-5. 1961- (MH)
- MOGILEVSKII, B. L. [Life of Timirlazev] *Zhizn' Timirlazeva*. Moskva, Gos. izd-vo detskoi lit-ry, 1959. 260 p. (Shkol'nai biblioteka) (U)
- MOLDOKMATOV, ABDYKALYI. [Greetings, great land. Translated from the Kirghiz] *Zdravstvui, bol'shaya zemlia*. [Moskva] Molodai gvardiia, 1962. 79 p. (MH)
- MORENETS', P. H. [Studying Soviet Ukrainian literature in the eight-year school] *Vyuchennia ukrains'koi literatury u vos'myrichnii shkoli; metodichnyi posibnyk*. Kyiv, Radians'ka shkola, 1962. 163 p.
- MOSKALENKO, A. A. [Outline history of Ukrainian lexicography] *Narys istorii ukrains'koi leksykografii*. Kyiv, Derzh. uchebno-pedagog. vyd-vo "Radians'ka shkola," 1961. 161 p.
- MOSOLOV, A., comp. [Songs of Krasnodar Territory] *Pesni Krasnodarskogo kraia*. Pod red. S. Akshuka. Moskva, Sovetskii kompozitor, 1959. 32 p. (U)
- NADELIAEV, V. M. [Draft of a phonetic transliteration system] *Proekt foneticheskoi transkriptsii (UUFFT)*. Moskva, Akad. nauk SSSR, 1960. 62 p. (U)
- NAGAR, AMRITLAL. [The drop and the ocean; a novel. Translated from the Hindi] *Kapla i okean; roman*. Moskva, Izd-vo inostr. lit-ry, 1962. 652 p. (CLU)
- NEVERMANN, HANS. [The voice of the water buffalo; Malayan (Indonesian) folk songs. Translated from the German] *Golos bulvola; malaiskie (Indonezijskie) narodnye pesni*. Moskva, Izd-vo voetchnoi lit-ry, 1961. 309 p. (NIC)
- NIKOLEVA, M. F. [Mikhail Iur'evich Lermontov; his life and works] *Mikhail Iur'evich Lermontov; zhizn' i tvorchestvo*. Moskva, Gos. izd-vo detskoi lit-ry, 1956. 293 p. illus. (U)
- NIZAMI, Ganjawi. [Khosrow and Shirin] *Khosrov i Shirin*. Sost. L. A. Khetagurov. Baku, Akad. nauk Azerbaidzhanskoi SSR 1960. 800 p. [In Persian] (MH)
- NORIN, S. K. [Home shore; stories and essays] *Rodnoi bereg; rasskazy i ocherki*. Petrozavodsk, Gos. izd-vo Karelskoi ASSR, 1962. 176 p. (MH)
- NOSOV, N. [Adventures of Neznanka: Adventures of Neznanka and his friends, Neznanka in the sunny city] *Prilucheniia Neznanki: Prilucheniia Neznanki i ego друзей, Neznanka v solnechnom gorode*. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 444 p. (Shkol'nai biblioteka) (MIDW)
- NOSOV, N. [Dreamers] *Fantazery*. [Moskva], Detsiz, 1960. 16 p. (MIDW)
- NURMUKIAMEDOV, MAIRAT. [History of Soviet Kara-Kalpak literature; a brief sketch] *Korakalpak Sovet adabietl tarikhi; kiskacha ocherk*. Toshkent, Uzbekiston SSR fanlar Akademiasi nashrioti, 1962. 192 p. [In Uzbek, translated from the Kara-Kalpak] (U)
- ODINTSOV, A., tr. [Dzhura is still the same; essays about Tajikistan. Translated from the Tajik] *Vse tot zhe Dzhura; ocherki o Tadzhikistane*. Tashkent, Goslitizdat, 1962. 226 p. illus. (MH)
- [ON LITERATURE FOR CHILDREN] *O literature dlia detei*. Leningrad, Detsiz, No. 7. 1962. 213 p.
- [ON TRAILS AT THE BORDER] *Na stezhkah prikordinykh*. L'viv, Knizhkovy-zhurnal'ne vyd-vo, 1962. 461 p.
- [ONE-EYED ELEPHANT; stories. Translated from the Vietnamese] *Odnoglazyi slon; rasskazy*. Moskva, Izd-vo vostochnoi lit-ry, 1962. 96 p.
- OREL, GOSUDARSTVENNYI MUZEI I. S. TURGENEVA. [I. S. Turgenev's "Sportsman's sketches," 1852-1952] *"Zapiski okhotnika" I. S. Turgeneva, 1852-1952; sbornik statel i materialov*. Orel, Orel'skai pravda, 1955 p. 455 p. facsim. (ICU)
- OROVETS'KYI, P. A. [Second encounter] *Vtorai vstrocha*. [Moskva] Molodai gvardiia, 1962. 461 p. (MH)
- OSHEROVICH, G. SH. [My good maple; verse and poems. Translated from the Yiddish] *Moi dobryi klen; stikhi i poemy*. Moskva, Sovetskii pisatel', 1962. 104 p.
- OSTRUK, IAROSLAVA. [The ravine; a tale] *Provaliia; povest'*. Chicago, [M. Denysluk] 1961. 191 p. (OCI)
- OVRUTSKII, N. O. [Winged Latin sayings in literature] *Krylatye intskio izrocheniia v literature*. Kiev, Izd-vo Akad. nauk USSR, 1962. 219 p.
- PASLIADOVICH, MAKAR. [Collected works] *Zbor tvoruu*. Minsk, Dzialzh, vyd-va BSSR, 1961. 2v. (MH)
- PAUSTOVSKII, K. G. [Tale of the forests] *Povest' o lesakh*. Moskva, Gos. izd-vo detskoi lit-ry, 1962. 221 p. (Shkol'nai biblioteka) (VIMM)
- PAVLOVICH, N. A. [Thoughts and memories] *Dumy i vospominaniia*. Moskva, Sovetskii pisatel', 1962. 94 p.
- PERVOMAI'SKYI, L. S. [Instead of love poetry] *Vmesto stikhov o liubvi*. Moskva, Goslitizdat, 1962. 324 p. (MH)
- PERVOMAI'SKYI, L. S. [Selections; poems] *Vybranci; poeziia*. Kyiv, Derzh. vyd-vo, 1954. 287 p. (ICU)
- PESTRAK, P. S. [We shall meet on the barricades; a novel] *Sustreneniia na barykadakh; roman*. Minsk, Dzialzh, vyd-va BSSR, 1961. 846 p. (MH)
- PETAR II, Prince bishop of Montenegro. [Mountain garland. Translated from the Serbo-Croatian] *Gornyi venets*. Moskva, Gos. izd-vo khudozh. lit-ry, 1955. 157 p. (U)

- PETIOVANYI, V. I. [It's really spring; a novel] *Ta tse zh vesna*; roman. Kyiv, Derzhlitvydav, Vol. 1, [1962] (MH)
- PETROVA, E. N. [Talks with children on language and books] *Besedy s det'mi o iazyke i knigakh*. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 25 p.
- PHAEDRUS. [Fables] *Basni*. Izd. podgotovil M. L. Gasparov. Moskva, Izd-vo Akad. nauk SSSR, 1962. 261 p. (Akademiya nauk SSSR, Literaturnye pamyatniki) (NN)
- PIRANDELLO, LUIGI. [Plays] *P'esy*. Moskva, Iskustvo, 1960. 486 p. (IEN)
- POLOTAI, N. I. [Commotion; fables and humorous sketches] *Perepolokhi; basni, tumoreski*. Kyiv, Derzhlitvydav, 1962. 142 p. illus. (MI)
- POMERANTSEVA, E. [Funny stories; Russian folk tales] *Zabavnye skazki; russkie narodnye skazki*. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 30 p. (Kniga za knigoi) (MIDW)
- POPOV, E. A. [The secret of Lake Issyk-Kul; science fiction] *Taina ozera Issyk-Kul; nauchno-fantasticheskaya povest'*. Frunze, Kirgizskoe gos. izd-vo, 1959. 37 p. (Wau)
- POPOV, N. I. [Serezhka's bride; stories] *Serezhina nevesta; rassказы*. Alma-Ata, Kazgostizdat, 1962. 141 p. (MH)
- POUND, EZRA LOOMIS. [Selected works of Ezra Pound. Translated from the English] *Vybraniy Ezra Pavnd. Munich, "Na hori," (Seria "Dlia amatoriiv")* Vol. 1. [Poems; Essays, Cantos] *Poezija, Essi, Kanto*. 1960. [n. p.] (MID)
- POZNER, VLADIMIR. [The place of execution. Translated from the French] *Hukamnye palk*. Tallin, Ajalehtede Ajakirjade Kirjastus, 1963. 85 p. "Loomingu" raamatogu, no. 8/9 [276/277] [In Estonian]
- PRIKORDONNYI, D. M., comp. [Legends of the Crimea] *Legendy Kryma. Simferopol'*, Krymizdat, 1959. 156 p. (OU)
- PRILEZHAeva-BARSKAIA, B. M. [River pirates; an historical tale from the life of Great Novgorod in the 14th century] *Ushkulniki; istoricheskaya povest' iz zhizni Velikogo Novgoroda XIV veka*. [Leningrad] Detgiz, 1961. 94 p.
- PRIVALOV, B. A., and G. V. UL'IANOV. [Operation Livra] *Operatsiya Livra*. [Moskva] Molodala gvardia, 1962. 76 p. (Komsomol'skomu aktivistu) (MH)
- PRUSAKOV, I. I., comp. [If I can, I will help] *Esli smogu - pomogu! Smeshnye kartinki*. Moskva, Gos. izd-vo detskoi lit-ry, 1960. 23 p. illus. (MIDW)
- PUSHKIN, A. S. Boris Godunov. Praga [Kn-vo "Khutor"] 1945. 66 p. (Biblioteka "Russkoe slovo") (OU)
- PUSHKIN, A. S. [On art] *Ob iskusstve*. Sost., avtor vstup. stat'i i kommentarii, G. M. Koka. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 199 p. (RPB)
- RADEV, MILCHO. [On the sidewalk; a tale. Translated from the Bulgarian] *Na trotuare; povest'*. Moskva, Izd-vo inostr. lit-ry, 1963. 83 p.
- [RAISING THE EFFICIENCY OF TEACHING RUSSIAN LANGUAGE IN NON-RUSSIAN NATIONAL SCHOOLS] *Povyshenie effektivnosti obucheniya russkoi iazyku v natsional'noi shkole; sbornik statel*. [Sost. M. I. Notovich]. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 106 p. (NIC)
- RAKHILLO, I. S. [For life; stories] *Za zhizn'; rassказы*. [Moskva] Glav. polit. upr. Sovetskoi Armii i Voenno-Morskogo Flota, 1963. 46 p. (Biblioteka zhurnala "Sovetskii voen. no. 1 [452])
- RAPOPORT, E. A., and A. S. SAFAEV. [The Russian language; textbook for Uzbek students in higher educational institutions] *Russkii iazyk; uchebnoe posobie dlia studentov uzbekskikh grupp vuzov*. Tashkent, "Srednia i vysshia shkola." Pt. I. [Phonetics and morphology] *Fonetika i morfologiya*. 1962. 274 p.
- REDING, JOSEF. [Alone in Babylon. Translated from the German] *Uksinda Paabells*. Tallin, Ajalehtede Ajakirjade Kirjastus, 1962. 58 p. ("Loomingu" raamatogu, no. 33 [249]) [In Estonian]
- RIADCHENKO, I. I. [City of Beautiful People; a romantic play in verse] *Gorod Krasivyykh; romanticheskaya drama v stikhakh*. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 120 p. (InU)
- RIADCHENKO, I. I. [My heart's alarm; verse and poems] *Trevozi serdtsa moego; stikhi i poemny*. Kyiv, Derzhlitvydav, 1962. 147 p. (MH)
- RIUMSHIN, N. A., and A. S. MARKOV. [A city in revolt; a historical tale] *Vosstavshii gorod; istoricheskaya povest'*. Astrakhan', Volga, 1962. 210 p. illus. (MH)
- ROGAVA, G. V. [Problems in the historical phonetics of the Kartvelian languages] *Voprosy istoricheskoi fonetiki kartvel'skikh iazykov*. Tbilisi, Akad. nauk Gruzinskoi SSR, [In Georgian] Vol. 1. [Problems in the history of vowels in the Kartvelian languages] *Nekotorye voprosy istorii glasnykh v kartvel'skikh iazykakh*. 1962. [n. p.] (MH)
- ROLLAND, ROMAIN. [Richard Strauss and Romain Rolland; a correspondence. Translated from the French] *Rikhard Shtraus i Romen Rolland; perepiska, vyderzhki iz dnevnika*. Moskva, Gos. muzykal'noe izd-vo, 1960. 214 p. (Iz arkhiva Romena Rollana, no. 3) (NNC)
- ROMANOV, A. N. [The right to wings; a true story] *Pravo na kryl'a; dokumental'naya povest'*. Frunze, Kirgizskoe gos. izd-vo, 1962. 94 p. (MH)
- ROSOKHOVATSKII, I. M. [The riddle of the shark; science fiction] *Zagadka akuly; nauchno-fantasticheskie rassказы*. Blagoveshchensk, Amurskoe knizhnoe izd-vo, 1962. 141 p. (MH)
- RUDNYTS'KYI, YA. B. [An essay on a systematization of Ukrainian-Canadian folklore] *Do pyannia systematyky ukrains'ko-kannads'koho fol'kl'oru*. Paris, 1960. 7 p. (NN)
- RUSHKIS, VALENTIN. [Tale of a heroic deed] *Povest' o podvige*. Tallin, Estonskoe gos. izd-vo, 1962. 169 p. (MI)
- [RUSSIAN-BULGARIAN DICTIONARY; 50,000 words] *Russko-Bolgarskii slovar'*. Sost. S. K. Chukalov. 50000 slov. Moskva, Gos. izd-vo inostr. i natsional'nykh slovaroi, 1962. 1139 p.
- [RUSSIAN LITERATURE; an anthology for the sixth grade in nationality schools] *Russkaya literatura; khrestomatiya dlia VI klassa natsional'nykh shkol*. Sost. N. V. Kolokol'tsev. A. S. Otachkin, i M. N. Borisova. Moskva, Gos. uchebno-pedagog. izd-vo, 1961. 319 p.
- RYKLIN, G. E. [Impossible not to be amazed] *Nel'zia ne udivlitsia*. Moskva, Izd-vo "Sovetskaya Rossiya", 1962. 156 p. (Korotkie povesti i rassказы)
- RYNDYK, STEFAN. [Adventures and people; stories] *Pryhody i ludy; opovidannya*. Chicago, 1960. 396 p. (OCI)
- RYTKHEV, IU. S. [Farewell to the gods; stories] *Proshchaniye s bogami; rassказы*. Leningrad, Sovetskii pisatel', 1961. 253 p. (MH)
- RYTKHEV, IU. S. [The season of thawing snows; a tale] *Vremia taniia snegov; povest'*. Leningrad, Sovetskii pisatel', 1959. 208 p. (MH)
- SABALENKA, R. K. [I go into life; a tale] *Idu u zhystislo; apovests'*. Minsk, Dziazh, vyd-va BSSR, 1961. 349 p. (MH)
- [SAKHALIN; a literary collection] *Sakhalin; Literaturno-khudozhestvennyi sbornik*. [Red. kol.: I. E. Belousov i dr.] Iuzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1962. 142 p. (MH)
- SARTAKOV, S. V. [Ice treasure] *Ledianoi klad*. [Moskva] Molodala gvardia, 1962. 510 p. (RPB)
- SAVCHUK, O. I. [The green sun; a tale] *Zelene sontse; povest'* [pro Levka Platonovycha Symyrenka]. Kyiv, Molod', 1962. 265 p. (MH)
- SAVCHUK, PAVLO. [In the storm of life; verse] *V buri zhyt'tia; poeziia*. Vyd. 3. New York. Book 4. 1935-1940. 1954. 80 p. (InU)
- SEKOIAN, ANAT'. [Among the golden vines; a novel. Translated from the Armenian] *Sredi zolotykh loz; roman*. Moskva, Sovetskii pisatel', 1961. 538 p. (CLU)
- SEREBRIAKOV, S. B., comp. [Old Georgian-Russian dictionary] *Drevnegruzinsko-russkii slovar'*, po dvum drevnim redaktsiiam chetveroglav. Tbilisi, Akad. nauk Gruzinskoi SSR, 1962. 265 p. (MH)
- SHAGIROV, A. K. [Essays on the comparative lexicology of the Adyghe languages] *Ocherki po sravnitel'noi leksikologii adygskikh iazykov*. Na'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 213 p.
- SHAMURADOV, DIASHIM. [Life and works of the playwright K. Burunov] *Zhizn' i tvorchestvo poeta-dramaturga K. Burunova*. Ashkhabad, Akad. nauk Turkmenskoi SSR, 1961. 124 p. [In Turkman] (MH)
- SHANSKII, N. M. [Phraseology of modern Russian] *Frazeologiya sovremennogo russkogo iazyka*. Moskva, Gos. izd-vo "Vysshia shkola", 1963. 155 p.
- SHEKHTER, M. A. [Lyrical weather; new verse] *Liricheskaia pogoda; novye stikhi*. Moskva, Sovetskii pisatel', 1962. 145 p. (MH)
- SHERVASHIDZE, AMIRAN. [Girl from Santiago (viva Cuba!); a play in three acts. Translated from the Georgian] *Devushka iz Sant'ago (viva Kuba!); p'esa v 3-kh deistviakh*. Moskva, Sovetskaya Rossiya, 1963. 63 p. (Biblioteka v pomoshch' khudozhestvennoi samodelatel'nostei, no. 2)
- SHEVCHENKO, T. H. [Tales] *Povesti*. Simferopol', Krymizdat, 1961. 325 p. (OU)
- SHEVCHENKO, T. H. [The Haidamaks; a poem] *Haidamaky; poema*. [Moskva, Gos. izd-vo khudozh., lit-ry, 1961]. 125 p. (NJR)
- SHIROKOV, S. E. [Dmitrii Kedrin; an account of his life and works] *Dmitrii Kedrin; kritiko-biograficheskie ocherki*. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1961. 173 p. (NN)
- SHIRVANZADE, AI. [Collected works in ten volumes. Sbornie sochinenii v desiat tomakh. Erevan, Armianskoe gos. izd-vo. [In Armenian] Author's real name: A. M. Movsesian] Vol. 10. 1962. 722 p.
- SHISHOVA, Z. K. [Great voyage; an historical novel] *Velikoe plavanie; istoricheskii roman*. Moskva, Detgiz, 1963. 333 p. (Shkol'nai biblioteka)
- SHTEIN, A. P. [Admiral Ushakov; a motion-picture play] *Admiral Ushakov; kinopovest'*. Moskva, Voenno-morskoe izd-vo, 1953. 148 p. (IU)
- SHVETSOV, S. A. [With the likeness of a portrait; satiric verse, epigrams, fables, ditties] *S portretnym skhodstvom; satiricheskie stikhi, parodii, epigrammy, basni, chastushki*. Moskva, Sovetskii pisatel', 1962. 210 p. (MH)
- SHVYDKO, Z. A., comp. [Life in work; stories as told by workers] *Zhizn' v trude; rassказы rabochikh*. Alma-Ata, Kazgostizdat, 1962. 152 p. (MH)

- SIBIRTEV, I. pseud. [Treasures of the sub lunar mountain ridge; a fantastic adventure tale] Sokrovishcha kriazha podlunnogo; fantastiko-priklyuchenijskaja povest'. [Krasnojarsk, Krasnojarskoe knizhnoe izd-vo, 1962] 347 p. [Author's real name Ivan Ivanovich Khudonogov] (MH)
- SIGEL, ROLAND. [The Tokolosh. Translated from the English] Tokolosh. Moskva, Izd-vo vostochnoi lit-ry, 1962. 126 p. (NIC)
- SIMONOV, K. M. [Verse, poems, and free translations, 1936-1961] Stikhi, poemy, vol'nye perevody, 1936-1961. [Moskva, Sovetskii pisatel', 1962] 421 p. (MH)
- SKLIARENKO, S. D. [Vladimir; a novel] Volodymyr; roman. Kyiv, Derzhlitvydav, 1962. 544 p. (MH) (InU)
- SKVORTSOV, ALEKSANDR. [Starry showers; verse] Zvezdnye liwni; stikhi. Alma-Ata, Kazgostizdat, 1962. 70 p. (MH)
- SMELIAKOV, I. A. [Golden supply; verse] Zolotoi zapas; stikhotvoreniia. Alma-Ata, Kazgostizdat, 1962. 176 p. (MH)
- SMIRNOV, S. V. [My encounters; verse] Moi vstrechi; stikhi. Moskva, Sovetskii pisatel', 1955. 238 p. (OU)
- SMIRNOVA, V. V. [About children and for children] O detakh i dlia detei. Moskva, Detgiz, 1963. 380 p. (Dom detskoi knigi)
- SOLODAR, TS. S. [Comedies: In the lilac grove, Love, the director and the apartment, Silver wedding] Komedii: V sirenevom sadu, Lyubov', direktor i kvartira, Serebriannai sva'd'ba. Moskva, Sovetskii pisatel', 1963. 269 p.
- SOLOVEVA, I. I. [Mirror of truth; tales] Zerkalo pravdy; skazki. [Lipetsk] Lipetskoe knizhnoe izd-vo, 1962. 83 p. (MH)
- SOM, MYKOLA. [A dream; verse] Mriia; poezii. Kyiv, Molod', 1962. 111 p. (MH)
- [SONGS BORN OF THE SEA; verse] Pesnia, rozhdeniia morem; stikhi. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1962. 193 p. (MH)
- SOROKIN, V. V. [I know no peace; verse] IA ne znaiu pokoia; stikhi. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 149 p. (MH)
- SOSIURA, VOLODYMYR. [Lyrics] Liryka. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1959. 494 p. (Wau)
- SPERANSKII, M. N. [Manuscript collections from the 18th century; materials for the history of 18th century Russian literature] Rukopisnye sborniki XVIII veka; materialy dlia istorii russkoi literatury XVIII veka. Moskva, Izd-vo Akad. nauk SSSR, 1963. 266 p.
- [SPRING TWIG; verse and stories] Vesenniaia vetka; stikhi i rasskazy. [Red. M. L. Srubshchik, Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 154 p. (MH)
- STARININ, V. P. [Structure of the Semitic word; divided morphemes] Struktura semitskogo slova; preryvistyie morfemy. Moskva, Izd-vo vostochnoi lit-ry, 1963. 114 p.
- STARTSEV, A. I. [Mark Twain and America] Mark Tven i Amerika. [Moskva, Izd-vo "Sovetskii pisatel'", 1963] 306 p.
- STEFANYK, V. S. [Selected works] Vybrani tvory. Kyiv, Derzhlitvydav, 1962. 256 p. (MH)
- STEPANOV, V. A. [Under the steppe winds; documentary tale] Pod vetrami stepnykh; dokumental'nai povest'. [Moskva] Molodai gvardia, 1962. 173 p. (InU)
- [STORIES OF 1961] Rasskazy 1961 goda. Moskva, Sovetskii pisatel', 1962. 500 p.
- SUPERANSKAIA, A. V. [Transliteration of the Baltic languages and some general principles for unified phonetic transliteration] Transkriptsiia dlia priblizhennykh inzykov i nekotorye obshchie printsipy unifikatsionnoi foneticheskoi transkriptsi. Moskva, Akad. nauk SSSR, 1960. 15 p. tables (InU)
- SUPRUN, I. P. [Consolers] Uteshiteli; ocherk. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1961. 226 p. (MH)
- [THE SWALLOW; a collection by Kirghiz writers. Translated from the Kirghiz] Lastochka; [sbornik kirgizskikh pisatelei. Moskva] Molodai gvardia, 1962. 415 p.
- SYZONENKO, O. O. [Ships; a novel] Korabeli; roman. Kyiv, Vyd-vo TSK LKSMU "Molod", 1960. 280 p. (Wau)
- TAKHO-GODI, A. A., and others. [Classical literature] Antichnaia literatura; uchebnik dlia pedinstitutov. [By] A. F. Losev i dr. Pod obshch. red. A. A. Takho-Godi. Moskva, Uchpedgiz, 1963. 375 p.
- TAMADAIEVA, KH. B. [Effendi Kapiev; his life and works] Effendi Kapiev; zhizn' i tvorchestvo. Makhachkala, Dagestanskoe uchpedgiz, 1962. 141 p. (MH)
- TAMARINA, RUF'. [Common life; verse] Zhizn' obychnaia; stikhi. Alma-Ata, Kazgostizdat, 1962. 55 p. (MH)
- TAROVSKII, A. A. [Tale about beautiful Gulaim, hero Aryslan and his sister Altynai, land owner Allaiar and shepherd Zhuryne, about shah Nadir and khan Surtaiash] Povest' o prekrasnoi Gulaim, bityre Aryslane i sestre ego Altynai, o bae Allaiare i pastutke Zhuryne, o shakhie Nadire i khane Surtaiash. [Moskva, Gos. izd-vo detskoi lit-ry] 1958. 168 p. (IU)
- TEL'KANOV, S. A. [Special role; a true story] Osobai rol'; dokumental'nai povest'. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 95 p. (MH)
- TERENT'EV, N. T. [Two plays] Dve p'esi. [Cheboksary] Chavash ASSR keneke izdatel'stvi, 1962. 158 p. [In Chuvash]
- TESELKIN, A. S. [The Old Japanese language (Kawi)] Drevne-javanskii iazyk (kawi). Pod obshch. red. G. P. Serdiuchenko. Moskva, Izd-vo vostochnoi lit-ry, 1963. 76 p. (IAzyki zarubezhnogo Vostoka i Afriki)
- TIKHOVA, T. G. [Taiga and mountains; from stories told by Geologist Tagilova] Taiga i gory; iz rasskazov geologa Tagilovoi. [Leningrad] Lenizdat, 1962. 192 p. (MH)
- TOKAREV, L. S. [On the shores of Sakhalin; poems] Na sakhalinskom beregu. Iuzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1962. 85 p. (Poety Sakhalina) (MH)
- TOLSTOI, A. N. [Russian fairy tales] Russkie narodnye skazki. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1960. 172 p. (IU)
- TOLSTOI, L. N. [L. N. Tolstoi for children; stories, fables, folk tales, and byliny] L. N. Tolstoi dlia detei; rasskazy, basni, skazki, byliny. S prilozheniem razdela "Lev Tolstoi i deti" iz vospominanii o pisatele. Moskva, Gos. izd-vo detskoi lit-ry, 1961. 237 p. illus. (IU)
- TOMIRDIARO, S. V. [End of the trail; stories from the North] Na konets sleda; severnye rasskazy. [Magadan] Magadanckoe knizhnoe izd-vo, 1962. 57 p. (MH)
- TRIAPKIN, N. I. [Krasnopol'e; verse] Krasnopol'e; stikhi. [Moskva] Molodai gvardia, 1962. 151 p. (MH)
- TSINTSIUS, V. I. [Outline grammar of the Even (Lamut) language] Ocherk grammatiki evenskogo (lamutskogo) iazyka. Leningrad, Gos. uchebno-pedagog. izd-vo. Pt. 1. [Phonetics and morphology] Fonetika i morfologiya. 1947. (InU)
- TSIUPA, I. A. [Eternal fire; a novel] Vichnyi vohar'; roman. Kyiv, Molod', 1962. 540 p. (MH)
- TURGENEV, I. S. [Collected works in ten volumes] Sobrenie sochinenii v desiatii tomakh. Moskva, Gos. izd-vo khudozh. lit-ry. (Biblioteka klassikov russkoi literatury) Vol. 8. [Tales and stories, 1870-1882] Povesti i rasskazy, 1870-1882. 1902. 373 p. Vol. 9. [Scenes and comedies, 1843-1852] Skeny i komedii, 1843-1852. 1902. 421 p.
- TURGENEV, I. S. [Stories, Poems in prose] Rasskazy. Stikhotvoreniia v proze. Moskva, Dolgiz, 1962. 156 p. (PPIU)
- TURGENEV, I. S. [Tales] Povesti. Adaptatsiia, kommentarii i slovar' E. I. U. Vladimirovskogo i V. A. Zaitseva. Moskva, Izd-vo lit-ry na inostr. iazykakh [1961] 167 p. (Uchebnaia seriia dlia nachal'nogo chteniia) (MID) (MIDW)
- UKRAINKA, LESIA. [Poetry; selected works. On the occasion of the 75th birthday anniversary of the poetess] Poesii; vybrani tvory; do 75-letia zo dnia narodzhennia poetky. Vstup. stat'ta ta red. P. O. Rehonsbur. [Ukrains'ke mystetstvo] 1946. 112 p. (Ukrains'ka kniazynka) (InU)
- ULAN-UDE. BURIATSKII KOMPLEKSNIY NAUCHNO-ISLEDOVATELSKII INSTITUT. [Soviet literature and folklore of Buryat Mongolia] Sovetskaiia literatura i fol'klor Buriatii. Ulan-Ude. Vol. 1. 1961. (MH)
- UNDER, MARIE. [Thirteen ballades] Kolmtoiat balladi. Tallinn, Ajalehtede-Ajakirjate Kirjastus, 1963. 63 p. ("Loomingu" Raamatukogu, no. 10[276]) [In Estonian]
- VAKHOV, A. A. [The adjutant; a novel] Ad'jutant; roman. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 270 p. (MH)
- VALAEV, R. G. [Mountain winds; stories] Vetry gornye; rasskazy. Moskva, Sovetskii pisatel', 1960. 120 p. (CU)
- VANUSHIN, V. F. [Second life; science fiction] Vtorai zhizn'; nauchno-fantasticheski roman. Alma-Ata, Kazgostizdat, 1962. 256 p. (MH)
- VASIL'CHIKOV, S. A. [Formation; a tale] Stanovlenie; povest'. [Kahuga] Kaluzhskoe knizhnoe izd-vo, 1962. 131 p. (MH)
- VASIL'EV, A. N. [Monday is a difficult day; a novel] Ponedel'nik - don' (tlazhely); roman. Moskva, Sovetskii pisatel', 1962. 245 p. (NJP)
- VASILEVSKII, I. I. [Difficult examination; a poem] Trudnyi eksamen; poema. [Smolensk] Smolenskoe knizhnoe izd-vo, 1962. 38 p. (Nashi putovednye malinki) (MH)
- VERSHININA, L. P., and S. D. SHIROKOVA, comps. [Writers of Perm Province; a bibliographic reference] Pisateli Permskoi oblasti; bibliograficheskii spravochnik. [Perm] Permskoe knizhnoe izd-vo, 1962. 289 p.
- VILNA. PARTIJOS ISTORIJOS INSTITUTAS. [Literature and art in the struggle for communism] Literatura ir menas kovojo deli komunizmo; dokumentu rinkiny. Vilnius, Valstybine grozines literaturos leidykla, 1962. 476 p. [In Lithuanian] (MH)
- VIL'NYI, V. M. [Your maturity; verses and poems] Tvoe povzrosliia; virehi ta poemy. Kyiv, Molod', 1962. 97 p. (MH)
- VINNICHENKO, I. F. [The smell of the earth] Zapakh zemli. Moskva, Sovetskaiia Rossiia, 1962. 429 p. (RPB)
- VINOGRADOV, I. I. [Where roads meet] Gde skhodiasia dorogi. [Moskva] Voenizdat, 1962. 45 p. (Biblioteka zhurnalov "Sovetskii voen", no. 24 [451])

- VINOGRADOV, V. V. [Problems of syntax in present-day Russian] *Voprosy sintaksa sovremennogo russkogo iazyka*. Moskva, Gos. uchelno-pedagog. izd-vo, 1950. 410 p. (CSt)
- VIRTA, N. E. [Solitude] *Odnochestvo*. Moskva, Sovetskaya Rossiya, 1962. 289 p. (InU) (NRU)
- VOL'SKII, V. F. [Plays] *P'esy*. Minsk, Dziarzh. vyd-va BSSR. Red. munitskai lit-ry, 1962. 252 p. (NN)
- VORON'KO, P. M. [For all the years of separation; verso] *Za vsi lita rozluky; poema*. Kyiv, Molod', 1962. 69 p. (MH)
- VORON'KO, P. M. [When I return to Kiev; lyrics] *Koly la v Kyiv povertaius'; lirika*. Kyiv, Derzhlitvydav, 1962. 153 p. (MH)
- VORONKOVA, L. F. [But if grandmother so ordered?] *A esli babushka vechela?* Moskva, Detgiz, 1963. 40 p.
- VORONSKII, A. K. [Essays of literary criticism] *Literaturno-kriticheskie stat'i*. Moskva, Sovetskii pisatel', 1963. 421 p.
- VOYNICH, ETHEL LILLIAN (BOOLE) [The Gadfly. An interrupted friendship. Translated from the English] *Ovod. Prervannaya družba*. Petrozavodsk, Gos. izd-vo Karelskoi ASSR, 1960. 530 p. (U)
- VUL'FERT, I. I. [Manual for the translation of scientific-technical German texts] *Posobie po perevodu nemetskogo nauchno-tekhnicheskogo teksta*. [2. izd.] Moskva, Izd-vo lit-ry na inostr. iazykakh, 1961. 201 p. (NIC)
- VUL'FOVICH, T. L. [The work of Mupassant] *Tvorchestvo Mupassanta*. Moskva, Gos. izd-vo "Vysshaya shkola", 1962. 40 p. (V pomoshchi studentu-filologu)
- VYNNYCHENKO, VOLODYMYR. [Sun machine] *Sonashna mashina*. 4 vyd. New York, Vyd-vo "Prometel", Pt. 1. 1962. 1 v. (NN)
- VYSIINIA, OSTAP, pseud. [Cherry smiles; selected humorous stories and feuilletons] *Vyshnei umishky; vybrani humoresky ta feuilletony, 1921-1955 rr.* Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1960. 480 p. (CaOTU)
- [THE WORLD OF WISE THOUGHTS] *V mire mudrykh mystel*. [Moskva] Izd-vo "Znanie", [1962] 360 p.
- ZABILA, NATAL'IA. [Katrusia and Pavlus; a tale] *Katrusia i Pavlus; opovidannya*. Kyiv, Derzh. vyd-vo dytchoi lit-ry, 1960. 51 p. (MIDW)
- ZAKHARCHENKO, VASILIL [Secret of the amber room; a tale] *Taina lantarnoi komnaty; povest'*. Riga, Latvinskoe gos. izd-vo, 1961. 331 p. (CU)
- ZALESKII, S. M., and P. N. SUKHORUKOV. [Blood-stained feather grass; a documentary tale] *Obagrennyi kovyrl'; dokumental'naya povest'*. 2 izd. Eliata, Kalngosizdat, 1962. 110 p. (MH)
- ZENKEVICH, M. A. [Through the storm of years; verso] *Skoz' grozy let; stikhi*. Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 221 p. (CU) (NN)
- ZLYDNEV, V., and A. SOBKOVIKH, comp. [In the shadow of the Balkans; stories by Bulgarian writers. Translated from the Bulgarian] *V teni Balkan; rasskazy bolgarskikh pisatelei*. Moskva, Izd-vo inostr. lit-ry, 1962. 581 p. (MH)
- ZONAL'NAYA KONFERENTSIYA LITERATUROVEDCHESKIKH KAFEDR PEDAGOGICHESKIKH INSTITUTOV POVOLZ'HA, 1st. [Kuibyshev, 1962] [Problems of Russian and foreign literature] *Voprosy russkoi i zarubezhnoi literatury; sbornik statei*. Kuibyshev, 1960. 421 p. (MH)

- ZORIN, M. I. [Soldiers' roads; a tale] *Soldatskie dorogi; povest'*. [Penza] Penzenskoe knizhnoe izd-vo, 1962. 224 p. (MH)
- ZOSHCHENKO, M. M. [Collection of little-known stories of M. Zoshchenko] *Sbornik malozvestnykh rasskazov M. Zoshchenko*. Paris, Visages de la Russie [1962?] 40 p. (NJP)
- ZUEV, A. N. [Golden sparks; stories] *Zolotyie iskry; rasskazy*. Moskva, Sovetskii pisatel', 1961. 154 p. (NN)

12. GEOGRAPHY & GEOLOGY

- AKADEMIA NAUK SSSR. Institut nauchnoi informatsii. [Collection of articles on geography] *Geograficheski sbornik*. Moskva, Proizvodstvenno-Izdatel'skii kombinat VINITI, 1963. 242 p. (Raboty po teoreticheskim i spetsial'nym voprosam nauchno-tekhnicheskoi informatsii)
- AKADEMIA NAUK SSSR. Laboratoriya aerometodov. [Use of airborne methods to study the sea] *Primenenie aerometodov dlia issledovaniia moria*. Pod obshchei red. V. G. Zdanovicha. Moskva, Izd-vo Akad. nauk SSSR, 1963. 540 p.
- AKADEMIA NAUK SSSR. Laboratoriya gidrogeologicheskikh problem. [Geochemistry of underground waters in certain regions of Turkmenia and Uzbekistan] *Geokhimiia podzemnykh vod nekolorykh raionov Turkmenii i Uzbekistana*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 96 p.
- AKADEMIA NAUK UZBEKSSKOI SSR. Tashkent, Institut geologii i razrabotki neflianykh i gazovykh mestorozhdenii. [Problems of geology and oil and gas potentials of western Uzbekistan and the Kara-Kalpak A.S.S.R.] *Voprosy geologii i neftegazonosnosti Zapadnogo Uzbekistana i Karakalpakii; trudy vyezdnoi sessii otdeleniia geologicheskikh nauk AN UzSSR v g. Bukhara*. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 167 p.
- AKOPIAN, V. T. [Stratigraphy of Jurassic and Cretaceous sediments in the southeastern part of the Zangezur Range] *Stratigrafiia iurakikh i molovykh otlozhenii iugo-vostochnogo Zangezura*. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 287 p.
- BAL'TERMANTS, D. M., and M. F. KOZLOVSKYI. [Chestnuts in bloom again...] *Znovu tsvitli kashtany...* Kyiv, Derzh. vyd-vo obrazotvorchoho myslitstva i muzychnoi lit-ry URSR, 1960. [2] p. illus. [Parallel texts in Ukrainian and Russian]
- BARATASHVILI, V. [Around the world] *Vokrug sveta*. Minsk, Gos. izd-vo BSSR, 1956. 190 p. (U)
- BIRMAGAMBETOV, A., and G. I. ROL'NIK. [Reader on the geography of Kazakhstan] *Kazakhstan geograficheskii khrestomatiiasy*. Almaty, Kazaktyñ memleketik oku-pedagogika baspasy, 1962. 216 p. [In Kazakh]
- BOGOSLOVSKII, B. D. [Mysteries of lakes] *Zagadki ozer*. Moskva, Izd-vo "Znanie", 1963. 31 p. (Novoe v zhizni, nauke, tekhnike, XII Seriya; Geologiya i geografiia, no. 6)
- [CHARACTERISTICS OF JURASSIC ROCKS IN THE KURSK MAGNETIC ANOMALY IN CONNECTION WITH THE CONDITIONS OF THEIR FORMATION FROM THE VIEW POINT OF ENGINEERING GEOLOGY] *Inzhenerno-geologicheskaya kharakteristika iurakikh porod KMA v sviazi s usloviami ikh formirovaniia*. [By] I. G. Korobanova i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 109 p.
- CHEKANOVSKII, A. L. [A. L. Chekanovskii's unpublished materials and articles on his scientific work] *Sbornik neopublikovannykh materialov A. L. Chekanovskogo. Stat'i o ego nauchnoi rabote*. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 363 p.
- CHUKOVSKII, N. K. [The captains of frigates; a book about great navigators] *Voditeli fregatov; kniga o velikikh moreplavatelakh*. Moskva, Gos. izd-vo detakoi lit-ry, 1959. 478 p. (Shkol'naya biblioteka) (CoU)
- DONETSK. [Donetsk. Donetskoe obl. knizhnoe izd-vo] 1962. 224 p. illus.
- EFREMOV, A. N., and E. FEDOROVSKII. [Book about a meridian called "The rootless straight line"] *Kniga ob odnom meridiane pod nazvaniem "Bespokoinnaia priamala"*. [Moskva] Molodai gvardiia, 1962. 295 p. (RPB)
- FISH, G. S. [Norway is next door] *Norvegija riadom*. Moskva, Sovetskii pisatel', 1963. 475 p.
- GORN, N. K. [Manual on practical work in historical geology] *Rukovodstvo k prakticheskim zaniatiim po istoricheskoi geologii*. [Leningrad] Izd-vo Leningrad. univ., 1962. 257 p.
- GOUROU, PIERRE. [Asia. Translated from the French] *Azlia*. Predisl. Konstantina Popova. Moskva, Izd-vo inostr. lit-ry, 1956. 446 p. (WaU)
- HEYERDAHL, THOR. [The Kon-Tiki expedition] *Aku-Aku*. Translated from the English] *Putechestvie na "Kon-Tiki" Aku-Aku*. Alma-Ata, Kazakhskoe gos. uchelno-pedagog. izd-vo, 1960. 576 p. (OCI)
- HOLOVKO, M. K., and R. M. MEKHIN'OV. [Latin American countries; brief handbook] *Krainy Latyn'skoi Ameriky; korotkii dovidnyk*. Kyiv, Derzhlitvydav URSR, 1962. 234 p.
- IANKO, M. T. [Home-made visual aids for geography and how to work with them] *Samrobiti naechni posibnyky z geografii ta robota z nymy*. 2., perer. i dop. vyd. Kyiv, Radiana'ka shkola, 1962. 184 p.
- KAMPARS, P., and L. LIEPNIKS. [Valmiera; guidebook for Valmiera and its vicinity] *Valmiera; turisma celvedia pa Valmieru un tas apkarni*. Riga, Latvijas Valsts izdevnieciba, 1962. 112 p.
- KARPATO-BALKANSKAYA GEOLOGICHESKAYA ASSOTSIIATSIYA. 5. g'ezd. [Materials of the Fifth Conference of the Carpatho-Balkan Geological Association] *Materialy*. Kiev, Izd-vo Akad. nauk URSR, 1962. 309 p.
- KISSIN, I. G. [Underground thermal conditions in Stavropol'] *Podzemnoe teplo Stavropolia*. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1962. 34 p. (MICROFILM)
- KOCHETOV, V. A. [Along two thousand years of history; a trip through Italy] *Po dym tysachelietiiam; poszdka v Italii*. [Moskva] Molodai gvardiia, 1961. 125 p. (CU)
- KOSACH, A. K., and B. A. KHATSKO. [Nesvizh; a brief sketch] *Nesvizh; kraiki ocherk*. 2. dop. izd. Minsk, Gosizdat BSSR, 1962. 64 p. (MH)
- KOTLIAR, V. N., and others. [Uranium in ancient conglomerates] *Uran v drevnikh konglomeratakh*. [By] A. I. Bezgudov i dr. Pod red. V. N. Kotliara. Moskva, Gosatomizdat, 1963. 187 p.
- KOVAL'SKAYA, N. IA. [Methodology for economic geography research] *Metodika ekonomiko-geograficheskikh issledovani; uchebnoe posobie dlia geograficheskikh fakul'tetov universitetov*. [Moskva] Izd-vo Mosk. univ., 1963. 233 p.
- KROPE, F. A. [Western Caucasus; description of paths for ascending summits from the Karakaya Mountain to the Klukhorskly Pass] *Zapadni Kavkaz; opisaniie putei voskhozhdeniia na vershiny ot massiva Karakala do Klukhorskogo perevala*. Moskva, Fizkul'tura i sport, 1962. 173 p.
- KUFTYREVA, N. S. [Practical work on the physical geography of the U.S.S.R.] *Prakticheskie raboty po fizicheskoi geografii SSSR; dlia estestvenno-geograficheskikh i geograficheskikh fakul'tetov podinstitutov*. Moskva, Uchpedgiz, 1962. 73 p. maps. (MICROFILM)
- [THE KUIBYSHEV RESERVOIR; physical geography] *Kuibyshevskoe vodokhranilishche; kratkaiia fiziko-geograficheskaya kharakteristika*. [By] T. N. Borovkova, P. I. Nikulina, V. M. Shirokov. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962. 69 p. (MICROFILM)
- LEVENSON, V. E. [Geochemistry of bitumen and its problems] *Geokhimicheskaya bituminologiya i ee problemy*. Moskva, Izd-vo Akad. nauk SSSR. Vol. 3. 1963. 198 p.

MASLENNIKOV, E. P., ed. [Call of distant roads; stories of Ural tourists] Zovut dorogi dal'nie; rasskazy ural'skikh turistov, [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1981, 348 p. (NN)

MIROVOI TSENTR DANNYKH MCG B. Katalog dannykh i publikatsii po Arkike i Antarktike. Catalogue of data and publications on the Arctic and Antarctica. Moscow, 1962, 209 p.

MOZHEIKO, I. V. [This is Ghana] Eto - Ghana, Moskva, Izd-vo vostochnoi lit-ry, 1962, 127 p. (Puteshestviia po stranam Vostoka)

NEDOSEKIN, D. V. [Czechoslovakia] Chekhoslovakiia, Moskva, Izd-vo "Znanie", 1963, 48 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya: Geologiya i geografii, no. 7)

PROKOF'EV, V. A. [Materials on paleontological characteristics of Lower Permian sediments in the Volga-Ural region] Materialy k paleontologicheskoi kharakteristike nizhnepermiiskikh otlozhenii Volgo-Ural'skoi oblasti. Moskva, Gosgeoltekhizdat, 1963, 58 p.

ROMANOV, A. D. [There across the English Channel] Tam za La-Manshem. Minsk, Gos. izd-vo BSSR, 1962, 62 p. (MH)

RUSSIA (1923- U.S.S.R.) Geologorazvedochnoe upravlienie. [Materials on the geology of the Mongolian People's Republic] Materialy po geologii Mongol'skoi Narodnoi Respubliki. Pod red. N. A. Marinova. Moskva, Gosoptekhizdat, 1963, 287 p.

SMOLIN, P. P. [Metals of the 20th century] Metally XX veka. Moskva, Izd-vo "Znanie", 1963, 45 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya: Geologiya i geografii, no. 5)

SOVESHCHANIE PO PODZEMNYM VODAM I INZHENERNOI GEOLOGII VOSTOCHNOI SIBIRI. 2d. Chita, 1958. [Transactions of the Second Conference on Underground Waters and the Engineering Geology of Eastern Siberia held in Chita, 1958] Trudy. Irkutsk, Irkutskoe knizhnoe izd-vo. No. 4, 1961, 161 p.

SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIIA, 1955- [Transactions of the Soviet Antarctic Expedition] Trudy. Leningrad, Izd-vo "Morskoi transport", Vol. 17. [Hydrology of offshore Antarctic waters] Gidrologiya pribeznykh antarkhticheskikh vod; sbornik statei. Pod red. I. V. Makel'mova. 1963, 154 p. map.

SOVETSKAIA ENTSIKLOPEDIYA, GOSUDARSTVENNOE NAUCHNOE IZDATEL'STVO, Moskva, [Africa; encyclopedia] Afrika; entsiklopedicheski spravochnik. Glav. red. I. I. Potekhin. Chleny red. kollegii: A. N. Baranov i dr. Moskva, Vol. 1. A - L, 1963, 474 p. (Entsiklopedii, slovari, spravochniki)

ASHKENT; brief manual and guidebook. Tashkent; kratkii spravochnik-putevoditel'. Tashkent, Gosizdat UzSSR, 1962, 105 p. map.

SVETAIEV, I. V. [By automobile through the Caucasus; a guidebook] Na avtomobile po Kavkazu; putevoditel'. Moskva, Avtoizdat, 1962, 221 p.

TUCHKOV, I. I. [Stratigraphy of Upper Triassic, Jurassic, and Lower Cretaceous sediments and the prospects for finding oil and gas in the northeastern U.S.S.R.] Stratigrafiia verkhnetriasovykh iurskikh i nizhnemelovykh otlozhenii i perspektivy neftegazonosti Severo-Vostoka SSSR. Moskva, Gosgeoltekhizdat, 1962, 185 p.

TURKMEN S. S. R. Ministerstvo narodnogo obrazovaniia. [Programs on the geography of the Turkmen S.S.R.] Programmy po geografii Turkmenskoi SSR. Ashkhabad, Turkmenskopedgiz, 1962, 17 p.

TUSHINSKII, G. K. [Glaciers, snow, and avalanches in the Soviet Union] Ledniki, snezhniki, laviny Sovetskogo Soyuza. Moskva, Geografiz, 1963, 310 p.

USAKOVSKAIA, S. R. [Cameroon] Kamerun. Moskva, Geografiz, 1962, 35 p. (U karty mira)

VEKILOV, B. G. [Pontian stage of eastern Azerbaijan] Ponticheski iarus vostochnogo Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962, 220 p.

VERNE, JULES. [Travelers of the 19th century. Translated from the French] Puteshestvenniki XIX veka. Leningrad, Gos. izd-vo detskoi lit-ry, 1961, 493 p. (MIDW)

VISTELIUS, A. B. [Phase differentiation of Paleozoic sediments in the middle trans-Volga region and Volga Valley] Fazovaia differentsiatsiia paleozoiskikh otlozhenii Srednego Povolzh'ia i Zavolzh'ia. Otv. red. V. N. Tikhii. Moskva, Izd-vo Akad. nauk SSSR, 1963, 202 p.

ZIABREV, A. E. [The blue route] Goluboi marshrut. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1962, 94 p. (Eto - nasha Sibir')

[MICROFILM]

13. SCIENCE

AFANAS'EV, D. I. A., and others, comps. [Russian-Ukrainian dictionary of botanical terminology and nomenclature] Rosiisko-ukrains'kii slovnyk botanicheskoi terminologii i nomenklatury. Kyiv, Vyd-vo Akad. nauk USSR, 1962, 340 p.

AKADEMIYA MEDITSINSKIKH NAUK SSSR, Moskva, Institut gigieny truda i profzabolevani. [Physiology of heat exchange and the hygiene of an industrial microclimate] Fiziologiya teplotobmena i gigiena promyshlennogo mikroklimata. Moskva, 1961, 365 p. [MICROFILM]

AKADEMIYA NAUK MOLDAVSKOI SSR, Institut zoologii. [Biological resources of the bodies of water of Moldavia] Biologicheskie resursy vodoemov Moldavii. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962, 85 p.

AKADEMIYA NAUK SSSR, Karelskii filial, Petrozavodsk. [Problems in the genetics of grain crops; injection method] Voprosy genetiki zernovykh kultur; metod in'ektsii. Moskva, Izd-vo Akad. nauk SSSR, 1963, 129 p.

AKADEMIYA NAUK SSSR, Vychislitel'nyi meteorologicheskii tsentr. [Objective analysis and weather forecasting] Ob'ektivnyi analiz i prognoz meteorologicheskikh elementov. Moskva, Izd-vo Akad. nauk SSSR, 1963, 61 p.

AKADEMIYA NAUK USSR, Kiev, Institut kibernetiki. [Computer mathematics and engineering] Vychislitel'naya matematika i mekhanika; trudy aspirantov Instituta kibernetiki AN USSR. Kiev, Izd-vo Akad. nauk USSR, 1962, 177 p. [MICROFILM]

AKADEMIYA NAUK USSR, Kiev, Sektor istorii tekhniki i estestvoznaniia. [Problems in the history of science and technology] Problemy istorii nauki i tekhniki. Kiev, Izd-vo Akad. nauk USSR, 1963, 138 p.

ANTONOVSKII, M. I. A., V. G. BOLTANSKII, and T. A. SARYMSAKOV. [Topological semi-fields] Topologicheskie polupola. Tashkent, Izd-vo SamGU, 1960, 48 p. [MICROFILM]

ASHMARIN, I. P., and A. A. VOROB'EV. [Statistical methods in microbiological research] Statisticheskie metody v mikrobiologicheskikh issledovaniyakh. Leningrad, Medgiz, 1962, 179 p.

BAKUMENKO, T. T. [Catalytic properties of rare and rare earth elements] Kataliticheskie svoystva redkikh i redkozemel'nykh elementov. Kiev, Izd-vo Akad. nauk USSR, 1963, 99 p. [MICROFILM]

BARASHKOV, G. K. [Chemistry of the algae] Khimiia vodoroslei. Moskva, Izd-vo Akad. nauk SSSR, 1963, 141 p.

BARKOV, S. A., and N. M. RONZHINA. [Qualitative analysis; the semimicromethod] Kachestvennyi analiz; polumikrometod. Izd. 2., dop. Moskva, Vysshaya shkola, 1962, 287 p.

BEKKER, Z. E. [Physiology of fungi and their practical use] Fiziologiya gribov i ikh prakticheskoe ispol'zovanie. [Moskva] Izd-vo Mosk. univ., 1963, 287 p.

BERMAN, V. L. [Factory of "intelligent" machines] Zavod "umnykh" mashin. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962, 79 p. (NIC)

BOGORAD, V. B., and A. S. NEKHLUDOVA. [A concise dictionary of biological terms] Kratki slovar' biologicheskikh terminov. Pod red. P. A. Genkeliia i F. N. Pravdina. Moskva, Uchpedgiz, 1963, 236 p.

BUBENNIKOV, A. V. [Descriptive geometry; principal methods for projecting geometric forms on a plane] Nachertatel'naya geometriia; osnovnye metody proektirovaniia geometricheskikh form na ploskosti. Moskva, Vses. zaachnyi politekh. in-t. Lektsiia no. 1. 1959, 25 p. [MICROFILM]

CHISTIAKOV, V. D. [Collection of ancient problems in elementary mathematics with historical excursions and detailed solutions] Sbornik starinykh zadach po elementarnoi matematike s istoricheskimi okkuraami i podrobnyimi resheniiami. Minsk, Izd-vo M-vy vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962, 198 p. [MICROFILM]

[COMPLEX WAVE GUIDE SYSTEMS] Slozhnye volnovodnye sistemy. [By] N. L. Kogan, B. M. Mashkovskiy, K. N. Tsiibizov. Leningrad, Sudpromgiz, 1963, 355 p.

DMITRIEV, I. U. D., and N. F. OSIPOV. [On the shore of the Oka River; a story about the Oka Terrace Preserve] Na beregu Oky; rasskaz o Prioksko-Terrasnom zapovednike. [Moskva] Mosk. rabochii, 1963, 83 p.

DOROSHKEVICH, A. M. [Introduction to theoretical mechanics; statics] Vvedenie v teoreticheskuyu mekhaniku; statika. Uchebnoe posobie. Moskva, Mosk. poligr. in-t, 1962, 141 p. [MICROFILM]

DRABKINA, M. E. [Fundamentals of arithmetic] Osnovaniia arifmetiki. Minsk, Izd-vo M-vy vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962, 206 p.

DRUZHININ, I. G., Z. BAKASOVA, and S. A. ARBAEV. [Reaction of saccharose with sodium, potassium, calcium, and magnesium] Vzaimodelstvie sakharozy s khloridami natriia, kaliiia, kal'tsiia i magnitsia. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962, 145 p.

DUROV, S. A. [Critical analysis of the errors accumulated in hydrochemistry] Kriticheski razbor nakopivshikhsia v gidrokhimii oshibok. Novocherkassk, Redaktsionnoizdatel'skii otdel NPI, 1961, 14 p. [MICROFILM]

ENSV MATEMAATIKUTE JA FUUSIKUTE TEADUSLIK-PEDAGOOGILISE KONVERENTSI. 2d. [Papers delivered at the Pedagogical Conference of Mathematicians and Physicists of the Estonian S.S.R.] Luhteltekanneto kogumik. Tartu, Riiklik Ulikool, 1962, 110 p. [In Estonian]

ESTULIN, I. V. [Radioactive radiations] Radioaktivnye izlucheniia. Moskva, Fizmatgiz. (Praktikum po iadernoi fizike) No. 1. 1962, 260 p.

FISHER, I. Z. [Statistical theory of liquids] Statisticheskaya teoriia zhidkosti. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1961, 280 p. diagra. (Sovremennye problemy fiziki) (RFB)

GADZHIEV, V. D. [Subalpine vegetation of the Greater Caucasus within the Azerbaijan S.S.R.] Subal'p'skaia rastitel'nost' Bol'shogo Kavkaza; v predelakh Azerbaidzhanskoi SSR. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962, 170 p.

GAMBARIAN, L. S. [Physiological methods for research on higher nervous activity] Fiziologicheskie metody issledovaniia vysshei nervnoi deiatel'nosti. Erevan, Izd-vo AN Armianskoi SSR, 1963, 257 p.

GEDEVANISHVILI, D. M. [Problems of higher nervous activity - conditioned reflexes - at the 21st International Congress of the Physiological Sciences] Voprosy vysshei nervnoi deiatel'nosti - uslovnykh refleksov - na XXI Mezhdunarodnom kongresse fiziologicheskikh nauk. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo", 1960, 48 p. illus. [Text in Russian and French] (CU)

GMURMAN, V. E. [Introduction to the theory of probability and mathematical statistics] Vvedenie v teoriu veroiatnostei i matematicheskuiu statistiku. 2., izd. dop. Moskva, Gos. izd-vo "Vysshaya shkola", 1963, 237 p.

- ONEVYSHEVA, R.S. [Catalog of solar activity in 1967] Katalog solnechnoi delatel'nosti za 1967 god. Leningrad, Izd. Glav. astronomicheskoi observatorii v Pulkovo, 1962. 229 p. (Trudy Glavnoi astronomicheskoi observatorii v Pulkove)
- GODNEV, T. N., ed. [Problems of plant physiology and microbiology] Voprosy fiziologii rastenii i mikrobiologii. Minsk, Izd-vo M-va vysshogo, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR. No. 2. 1961. 153 p.
- GORBATSEK, V.G., and I.N. MININ. [Unstable stars] Nestatsionarno zvezdy. Moskva, Fizmatgiz, 1963. 355 p. (Problemy teoreticheskoi astrofiziki)
- GOUDSMIT, SAMUEL. [Alcos mission. Translated from the English] Missia "Alcos." Moskva, Gos. izd-vo lit-ry v oblasti atomnoi nauki i tekhn. [1962]. 188 p. (IsU)
- GRAGEROV, I. P. [Isotopes in the study of chemical reactions] Izotopy izuchaiut khimicheskie reaktsii. Kiev, Izd-vo Akad. nauk USSR, 1963. 65 p.
- GUMILEVSKII, L. I. Vernadskii, [Moskva] Molodaia gvardia, [1961] 318 p. (Zhizn' zamechatel'nykh liudei. Seriya biografi, no. 11 [326]) (RPB)
- HAGEMANN, R. [Plasmatic heredity. Translated from the German] Plasmatische Erbschaft. Pod red. i s predisl. B. L. Astaurova. Moskva, Izd-vo inostr. lit-ry, 1962. 110 p.
- LABLONSKII, A. A., and V. M. NEKIFOROVA. [Course in theoretical mechanics] Kurs teoreticheskoi mekhaniki Moskva, Vysshaya shkola. Pt. I. [Statics. Kinematics]. Statika, Kinematika, 1962. 430 p.
- IGNATSIUS, G. I. [The branches of geometry] Vsegi geometrii. Moskva, Izd-vo "Znanie," 1963. 55 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika i khimiia, no. 5)
- INTERNATIONAL CONGRESS OF BIOCHEMISTRY. 5th, Moscow, 1961. [Biosynthesis of lipids; symposium VII] Biosintez lipidov; simpozium VII. Moskva, Izd-vo Akad. nauk SSSR, 1962. 429 p. (Ist; Trudy)
- INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL. Congress, Moscow, 1961. [Statistical methods of research; theory of structures, modeling, terminology, and organization] Statisticheskie metody issledovaniia; teoriia struktury, modelirovaniia, terminologiya, obrazovaniie. Moskva, Izd-vo Akad. nauk SSSR, 1961. 744 p. (PPiU)
- KALYGULOV, AISULTAN. [The wonderful world (of the atom)] Sheriti atom shozhiresin. Almaty, Kazak memlekettik salasi edebiet baspasy, 1962. 67 p. [In Kazakh]
- KANTOROVICH, N. V. [Essays on healthy and pathological psychology] Ocherki o zdorovoi i bol'noi psikhike. Frunze, Kirgizgostizdat, 1962. 189 p.
- KARASEV, G. M. ["Askaniya-Nova" Botanical Park] Botanicheski park "Askaniya-Nova"; itogi rabot. Kiev, Gosset'khozizdat USSR, 1962. 200 p.
- KAZAKOV, I. E., and B. G. DOSTUPOV. [Statistical dynamics of nonlinear automatic systems] Statisticheskaya dinamika nelineinykh avtomaticheskikh sistem. Moskva, Fizmatgiz, 1962. 332 p.
- KILAIKIN, S. E. [Physical bases of mechanics] Fizicheskie osnovy mekhaniki. Moskva, Fizmatgiz, 1962. 772 p.
- KHALIFMAN, I. A. [Bees] Pchely. [Izd. 4., perer. i dop.] Moskva, Molodaia gvardia, 1963. 397 p.
- KNIAZ'KOV, M. A., and E. K. LUKASHEVA. [Exercises in descriptive geometry] Uprazhneniia po nachertatel'noi geometrii. Izd. 4., perer. i dop. Moskva, Gos. izd-vo lit-ry po stroit., arkh. i stroit. materialam, 1962. 81 p. [MICROFILM]
- KOMKOV, I. P. [Lecture on the mutual influence of atoms in molecules] Teoriia vzaimnogo vliianiia atomov v molekulakh; lekttsiia. Moskva, Mosk. tekhnologicheskii in-t mlasnoi i molochnoi promyshli., 1961. 27 p. [MICROFILM]
- KONDRAT'EV, K. I. A. [Meteorological satellites] Meteorologicheskie sputnikii. Leningrad, Gimiz, 1963. 310 p.
- KREIN, S. G., and V. N. USHAKOVA. [Mathematical analysis of elementary functions] Matematicheski analiz elementarnykh funktsii. Moskva, Fizmatgiz, 1963. 108 p.
- KRYLOVA, M. D. [Satellites of the invisible; stories about the bacteriophage] Sputniki nevidimyykh; rasskazy o bakteriofage. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya i meditsina, no. 7)
- KUBANTSEV, B. S., V. I. A. UVAROVA, and N. A. KOSAREVA. [Animal kingdom of Volgograd Province; terrestrial vertebrates] Zhivotnyi mir Volgogradskoi oblasti; nazemnye pozvonochnye zhivotnye. Pod nauchnoi red. B. S. Kubantseva. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 101 p. [MICROFILM]
- KURNAKOV, N. S. [Works on the chemistry of complex compounds] Trudy po khimii kompleksnykh soedinenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 154 p.
- KUZIN, A. M. [Radiation biochemistry] Radiatsionnaya biokhimiia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 333 p.
- KUZNETSOV, S. I., V. I. ROMANENKO. [Microbiological study of inland bodies of water; a laboratory manual] Mikrobiologicheskoe izucheniie vnutrennikh vodoemov; laboratornoe rukovodstvo. Moskva, Izd-vo Akad. nauk SSSR, 1963. 128 p.
- [LABORATORY WORK IN GENERAL BIOPHYSICS in eight volumes] Praktikum po obshchei biofizike v vos'mi vypuskakh. Pod obshchei red. B. N. Tarusova. Moskva, Vysshaya shkola. No. 7. Kudriashov, I. U. B. [Radiobiology; radiation injury of biological objects under the effect of a single whole body X-ray or gamma irradiation] Radiobiologiya; luchevoe porazheniie biologicheskikh ob'ektov pri deistvii obshchego odnokratnogo rentgenovskogo ili gamma-oblucheniia, 1962. 273 p.
- LENINGRAD, PUBLICHNAIA BIBLIOTEKA. [The world in which we live; conversations about books] Mir, v kotorom my zhivem; besedy o knigakh. Leningrad, 1960. 12 fold. 1.
- LOPOVOK, B. N. [Moments of inertia of plane figures] Momenty inertsii ploskikh figur. Moskva, Mosk. aviatsionnyi in-t im. Sergo Ordzhonikidze, 1962. 26 p. [MICROFILM]
- MAEVSKII, P. F. [Spring flora; a guide] Vesenniaia flora; opredelitel'. Izd. 13. Moskva, Uchpedgiz, 1962. 103 p.
- MAKARENIA, A. A. [D. I. Mendeleev on the radioactivity and complexity of the elements] Mendeleev o radioaktivnosti i slozhnosti elementov. Moskva, Gosatomizdat, 1963. 64 p. (Nauchno-populnarnaya biblioteka Gosatomizdata)
- MAKOLKIN, I. A., and B. A. SHMELEV. [Collection of examples and problems in physical and colloid chemistry] Sbornik primerov i zadach po fizicheskoi i kolloidnoi khimii. [Moskva] Rosvuzizdat, 1963. 181 p.
- MALYSHEVA, A. E. [Hygienic problems of radiation-heat exchange of man and his environment; radiation cooling] Gigenicheskie voprosy radiatsionnogo teploobmena cheloveka s okruzhaiushchimi sredoi; radiatsionnoe okhlazhdeniie. Moskva, Medgiz, 1963. 241 p.
- MARGORIN, E. M., V. N. Shevchenko, 1972-1952. Leningrad, Medgiz, 1963. 98 p. (Vydaushchiesia delateli otechestvennoi meditsiny)
- MARKOVSKII, P. I. [The rosy valley] Rozovaya dolina. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 81 p. [MICROFILM]
- MEZHRESPUBLIKANSKAYA KONFERENTSIYA PO ISTORII NAUKI V PRIBALTIKE. 4th, Riga, 1962. [Science in the Baltic States from the 18th to the beginning of the 20th century; abstracts of reports at the Fourth Inter-Republic Conference on the History of Science in the Baltic States] Nauka v Pribaltike v XVIII - nachale XX veka; tezisy dokladov. Riga, Akad. nauk Latviskoi SSR, 1962. 231 p. (MH)
- MOKRUSHIN, S. G. [Problems in the physical chemistry of colloid-disperse systems and surface phenomena] Zadachi po fiziko-khimii kolloidodispersnykh sistem i poverkhnostnykh yavlenii. Sverdlovsk, Ural'skii politekh. in-t im. S. M. Kirova, No. 5, 1962. 54 p. [MICROFILM]
- MOSCOW, AVIATIONNIY TEKHNOLOGICHESKII INSTITUT. [Inequalities and fundamentals of functional analysis] Neravenstva i elementy issledovaniia funktsii; metodicheskoe posobie dlia podgotovitel'nykh kursov MATT. Moskva, 1962. 96 p. [MICROFILM]
- MOSCOW, VSESOIUZNIY INSTITUT NAUCHNOI I TEKHNIChESKOI INFORMATSII. [Manual on solubility] Spravochnik po rastvorimosti. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Ternary multicomponent systems] Troinye, mnogokomponentnye sistemy. Book. 2. 1963. 206 p.
- NAUCHNAIA KONFERENTSIYA MATEMATICHESKIIH KAFEDR PEDAGOGICHESKIIH INSTITUTOV PO VOL-ZH'IA. Ist, Ulanovsk, 1961. [Transactions of the Conference of Mathematics Departments of Pedagogical Institutes in regions of the Volga Valley] Trudy. Kulbyshev, Kulbyshevskii gos. pedagog. in-t im. V. V. Kulbysheva. No. 1. [Theoretical reports. Reports on the methodology of teaching mathematical sciences in pedagogical institutes] Teoreticheskie doklady. Doklady po metodike prepodavaniia matematicheskikh distsiplin v pedagogicheskoi institute, 1962. 234 p. [MICROFILM]
- NAUCHNAIA KONFERENTSIYA PO VOPROSAM OB-SHCHIEI TSIRKULATSII ATMOSFERY. Ist, Moscow, 1960. [Transactions of the First Conference on General Atmospheric Circulation, March 14-18, 1960] Trudy. Moskva, Gidrometeoizdat (otdeleniie) 1962. 231 p. [MICROFILM]
- OMSK, SEL'SKOKHOZIAISTVENNIY INSTITUT. [Collection of reports and speeches at the conference dedicated to the 250th anniversary of the birth of the great Russian scientist M. V. Lomonosov] Sbornik dokladov i vystuplenii na nauchnoi konferentsii, posviashchennoi 250-letiiu so dnia rozhdeniia velikogo russkogo uchenogo M. V. Lomonosova, Omsk, 1962. 66 p. [MICROFILM]
- ORE, ØYSTEIN. [Niels Henrik Abel, mathematician extraordinary. Translated from the English] Zamechatel'nyi matematik Nii's Genrikh Abel'. Pod red. A. M. Iaglova. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1961. 341 p. facsim. (RPB)
- PAMIRSKAYA EKSPEDITSIIA 1957-1959 gg. [Data of the Pamir Expedition of 1957-1959] Materialy. Moskva, Mosk. gos. univ. No. 1. [Aerological observations] Aerologicheskie nabliudeniya. 1962. 234 p.
- PARIN, V. V., and R. M. BAEVSKII. [Cybernetics in medicine and physiology] Kibernetika v meditsine i fiziologii. Moskva, Medgiz, 1963. 117 p.
- PERCHENKO, V. N., and S. R. SERGIENKO. [Selective catalytic hydrogenation of sulfur organic compounds] Izbratel'noe kataliticheskoe gidrirovaniie serraorganicheskikh soedinenii. Ashkhabad, Izd-vo Akad. nauk Turkmennoi SSR, 1962. 91 p.
- PESKOV, T. A. [Independent mathematical studies for grades 5-8] Samostoiatel'naya rabota uchashchikhsia po matematike v V-VIII klassakh. Moskva, Uchpedgiz, 1962. 102 p. (Iz opyta uchitelia)
- PETROV, R. V. [Immunology and sphinxes of the 20th century] Immunologiya i sfinksy XX veka. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya, no. 8)
- PLUSHCHEV, V. E., ed. [Cesium] Tsezi; sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1963. 230 p.
- POKROVSKII, G. I., and I. A. MORALEVICH. [To the forefront of a bold dream] Na perechni krai smeloi mechty. [Moskva] Molodaia gvardia, 1962. 207 p.
- PONOMAREVA, K. S. [Collection of problems in physical chemistry] Sbornik zadach po fizicheskoi khimii. Moskva, Metallurgizdat, 1962. 231 p.
- PONOMAREVA, L. A. [Euphausiids of the northern half of the Pacific Ocean, their distribution and the ecology of the mass species] Evfauzidy severnoi poloviny Tikhogo okeana, ikh raspriistraneniie i ekologiya massovykh vidov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 139 p. [With summary in English]

- POPELOV, D.A. [Arithmetic and logical principles of digital computers] Arifmeticheskie i logicheskie osnovy vychislitel'nykh mashin diskretnogo deistviya. Moskva, Mosk. energeticheskii in-t. Pt. 2. [Functions of the algebra of logic, synthesis and analysis of networks with time independent operation] Funktsii algebry logiki, sintez i analiz skhem, rabota kotorykh ne zavisi ot vremeni. Red. A.G. Shigin. 1961. 107 p. Pt. 3. [Time dependent and recurrent Boolean functions, analysis and synthesis of networks with time dependent operation] Vremennye i rekurrentnye bulevy funktsii, analiz i sintez skhem, rabota kotorykh zavisi ot vremeni. Red. A.G. Shigin. 1961. 79 p. [MICROFILM]
- POSTNIKOV, M.M. [Galois theory] Teoriya Galua. Moskva, Fizmatgiz, 1963. 218 p.
- POSVANSKII, A.D., and N.N. RYZHOV. [Problems in descriptive geometry] Sbornik zadach po nachertatel'noi geometrii. Pod red. N.F. Chetverukhina. Izd. 2. Moskva, Vysshaya shkola, 1963. 288 p.
- PROKHOROV, A.I. [Bionics] Bionika. Predisl. V.V. Parina. Moskva, Izd-vo "Znanie," 1963. 56 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika i khimiya, no. 7)
- REZNIK, P.A. [Guide to the vertebrates of Stavropol Territory] Opredelitel' pozvonochnykh zhivotnykh Stavropol'skogo kraia. Stavropol'skoe knizhnoe izd-vo, 1962. 72 p. [MICROFILM]
- SHABANSKII, V.P., ed. [Earth's radiation belts. Translated from the English] Radiatsionnye polosa Zemli. Moskva, Izd-vo inostr. lit-ry, 1962. 208 p. (Problemy astronomii i geofiziki)
- SHUKSTOVA, Z.N. [Starry heavens] Zvezdnoe nebo. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 185 p.
- SKARCHENKO, V.K. [Aluminoilicate catalysts in the light of the modern theory of heterogeneous catalytic processes] Aluminoilikatnye katalizatory v svete sovremennoi teorii geterogenno-kataliticheskikh protsessov. Kiev, Izd-vo Akad. nauk USSR, 1963. 117 p.
- SMIRNOV, N.N. [Medicinal and technical plants in Siberia] Lekarstvennye i tekhnicheskie rasteniya Sibiri. Izd. 2, dop. [Omsk] Omskoe knizhnoe izd-vo, 1959. 233 p. (CU-A)
- SMOLIANSKII, M.L. [Tables of indefinite integrals] Tablitsy neopredelennykh integralov. Izd. 2, ispr. Moskva, Fizmatgiz, 1963. 111 p.
- SOKOLOV, A.A. [Elementary particles] Elementarnye chastitsy; rasshirennaia publichnaya lektsiia prochtannaya v lektorii MGU 10 ianvaria 1962 g. [Moskva] Izd-vo Mosk. univ., 1963. 67 p.
- SOVETSKAIA ANTARKTICHESKAA EKSPEDITSIIA, 1955- [Transactions of the Soviet Antarctic Expedition] [Trudy] Leningrad, Izd-vo "Morskoi transport." Vol. 27. [Observations from the Third Sea Expedition, 1957-1958] Tret'ia morskaya ekspeditsiia, 1957-1958 gg.; materialy nabludenii. Pod red. L.V. Dolganova. 1962. 236 p.
- TAUCINS, E.J. [Determining trace elements in the animal organism] Opredelenie mikroelementov v organizme zhivotnykh. Riga, Izd-vo Akad. nauk Latviskoi SSR, 1962. 75 p.
- THOMPSON, A.J. [Tables of logarithms to twenty decimal places. Translated from the English] Tablitsy dvadtsatiznachnykh desiatichnykh logarifmov chisel. Obrabotka tablits i perevod s angliiskogo M.G. Rapporta i L.I. Sazonova. Moskva, Vychislitel'nyi tsentr AN SSSR, 1961. 2 v. (Biblioteka matematicheskikh tablits, no. 15-16) (RFB)
- TOLPYGO, K.B. [Theory of vibrations of crystal lattices with deformed atoms] Teoriya kolebani kristallicheskikh reshetok s deformirovannymi atomami; lektsii, prochtannye v letnei shkole po teorii tverdogo tela Tartu-Tyavere, Iun' 1961. Tartuskii gos. univ. Vol. 2. 1962. 57 p. [MICROFILM]
- TOMSK, UNIVERSITET. [Siberian Botanical Garden] Sibirskii botanicheskii sad. Tomsk, Izd-vo Tomskogo univ., 1961. 87 p. (RFB)
- TORGOV, I.U. [Arithmetic unit based on dynamic elements] Arifmeticheskoe ustroistvo na dinamicheskikh elementakh. Moskva, Vychislitel'nyi tsentr AN SSSR, 1963. 84 p. diagrs. (Trudy Vychislitel'nogo tsentra)
- TRIFONOVA, N.F., and Z.D. CHEKULAEVA, comps. [English-Russian astronomical and geophysical dictionary] Anglo-russkii astrogeofizicheskii slovar'. Pod red. N.P. Ben'kova, V.A. Bronshtena, A.G. Masovich. Moskva, Glav. red. inostr. nauchno-tekhn. slovari Fizmatgiza, 1962. 512 p.
- TSUZMER, M.IA. [Zoology] Zoologiya. Hanover, Ridna Shkola, 1947. 247 p. (OCI)
- UFIMTSEV, P.IA. [Edge wave method in physical diffraction theory] Metod kraevykh voln v fizicheskoi teorii difraktsii. S predisl. L.A. Vainshtaina. Moskva, Sovetskoe radio, 1962. 242 p.
- VASIL'EV, M.V. [Roads into a happy world; a story...] Dorigi v schastlivyi mir; rasskaz... Moskva, Detgiz, 1962. 222 p.
- VERZILIN, N.M. [On the trail of Robinson] Po sledam Robinsona. [2 izd. dop. i ispr.] Moskva, Gos. izd-vo det'skoi lit-ry M-va prosv. RSFSR, 1953. 277 p. illus. col. plates. (Shkol'naya biblioteka) (NN)
- VSEIOZNAIA KONFERENTSIYA PO FIZIKE DIELEKTRIKOV, 2d, Dnepropetrovsk, 1962. [Proceedings of the Second All-Union Conference on the Physics of Dielectrics] Trudy. Moskva, Izd-vo Akad. nauk SSSR, 1960. 1 v. (NJP)
- VSEIOZNAIA KONFERENTSIYA-SEMINAR PO TEORII I METODAM MATEMATICHESKOGO MODELIROVANIYA, 2d, Moscow, 1961. [Combined (analog - digital) computers] Kombinirovannye vychislitel'nye mashiny; trudy. Moskva, Izd-vo Akad. nauk SSSR, 1962. 204 p. [MICROFILM]
- VSEIOZNOE NAUCHNOE OBSHCHESTVO ANATOMOV, GISTOLOGOV I EMBRIOLOGOV. [Theses of reports of the symposia of the All-Union Scientific Society of Anatomists, Histologists, and Embryologists held in Kaunas, June 26-28, 1962] Tezisy dokladov simpoziumov... g. Kaunas 26-28 iunia 1962 g. Moskva, 1962. 82 p. [MICROFILM]
- WITTICH, HANS. [Current studies on analytic functions. Translated from the German] Novishie issledovaniia po odnoznachnym analiticheskim funktsiiam. Pod red. L.I. Volkovskogo. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1960. 319 p. (Cty)
- ZEL'DOVICH, I.A.B. [Higher mathematics for beginners and its applications to physics] Vysshaya matematika dlia nachinaiushchikh i ee prilozheniia k fizike. Izd. 2., perer. i dop. Moskva, Fizmatgiz, 1963. 559 p.
- ZUBAREV, G. [What is known about plastics] Sen plastmassaslar barada nemeler bilersen. Ashgabat, Turkmen davlat nashriyati, 1963. 143 p. [In Turkmen]

14. MEDICINE

- ABRAMOV, M.G. [Clinical cytology] Klinicheskaiia tsitologiya. Moskva, Medgiz, 1962. 411 p. (DNLM)
- ABRIKOSOV, A.I. [Allergy and problems of pathology] Allergiya i voprosy patologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 487 p. (DNLM)
- AKADEMIA MEDITSINSKIKH NAUK SSSR, Moscow. Institut infektsionnykh boleznoi. [Influenza; epidemiology, etiology, pathogenesis, clinical aspects and treatment] Gripp; epidemiologiya, etologiya, patogeneza, klinika i lechenie. Pod red. N.I. Morozkina. Moskva, Medgiz, 1958. 311 p. (DNLM)
- AL'FAVETSKII, A.V. [Treatment of urological diseases at health resorts of the Caucasian Mineral Waters Region] Lechenie bolezney s urologicheskimi zabolevaniyami na kurortakh Kavkazskikh Mineral'nykh Vod. 2. dop. izd. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1961. 101 p. (DNLM)
- ANICHKOV, S.V., and M.I. BELEN'KII. [Pharmacology of the chemoreceptors of the glomus carotidum] Farmakologiya khimicheskikh receptov karotidnogo klubochka. Leningrad [Medgiz], 1962. 199 p. (DNLM)
- ASTROV, M.S. [Selected works] Izbrannye trudy. Tashkent, Medgiz, 1962. 350 p. (DNLM)
- AYDEI, L.V. [Clinical aspect and surgical treatment of cholecystitis] Klinika i khirurgicheskoe lechenie kholotsistita. Minsk, Gos. izd-vo BSSR, Redaktsiia nauchno-tekhn. lit-ry, 1963. 219 p. (DNLM)
- AZAROV, V.D. [The return of happiness] Vozvrashcheniye schastiia. Moskva, Gos. izd-vo polit. lit-ry, 1961. 70 p. (Gerol i podvig) (RFB)
- BAIROV, G.A. [Fractures in the area of the elbow joint in children] Porolomy v oblasti loktevoogo sustava u detei. [Leningrad] Medgiz, 1962. 131 p. (Biblioteka prakticheskogo vracha) (DNLM)
- BORISOVA, K.S., and A.S. PRESMAN, comps. [Cataracts; translations from foreign periodical literature] Luchevoye katarakty; sbornik perevodov inostrannoi periodicheskoi literatury. Pod red. A.A. Letaveta i S.F. Belovol. Moskva, Medgiz, 1959. 303 p. (CU-M)
- CHAKLIN, A.V. [Regional characteristics of the distribution of malignant tumors] Kraevye osobennosti raspriostaneniia zlokachestvennykh opukholei. Leningrad, Medgiz, 1963. 183 p. (DNLM)
- CHIN, HSIN-CHUNG. [Chinese popular medicine] Kitaiskaiia narodnaia meditsina; dopolnennaiia steno-gramma publichnoi lektsii, prochtannoi v Tsentral'nom lektorii Obshchestva 20 noabria 1957 goda. Izd. 2. Pod red. V.G. Vogralka. Moskva, Izd-vo "Znanie," 1960. 62 p. (DNLM)
- CHIZMEDZHIAN, T.A. [Some problems of the clinical aspect and the therapy of neuroses with a pronounced cardiovascular syndrome] Nekotorye voprosy kliniki i terapii nevrozov s vyrazhennym serdечно-sosudistym sindromom. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 50 p. (DNLM)
- DAVIDENKOV, S.N. [Neuroses] Nevrozy. Leningrad, Medgiz, 1963. 260 p. (DNLM)
- DRACHINSKAYA, E.S., and I.S. BREIDO. [Surgery of the thyroid gland] Khirurgiya sheitovidnoi zhelyazy. Leningrad, Medgiz, 1963. 233 p. (Biblioteka prakticheskogo vracha) (DNLM)
- EDEL'SHTEIN, S.I. [Search continues; why scientists are looking for new antibiotics] Poisk prodolzhaetsia; pochemu uchentye iskhut novye antibiotiki. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya i meditsina, no. 6)
- ERMAKOV, E.V. [Chronic poisoning with tetraethyllead] Khronicheskoe otravlenie tetraetilsvintsom. Leningrad, Medgiz, 1963. 98 p. (DNLM)
- FRUMKIN, I.A.P., and G.L. VORONKOV. [School atlas of psychiatry] Uchebnyi atlas psikiatrii. Kiev, Gosmedizdat USSR, 1962. 370 p. (DNLM)
- GAGUNOVA, E.IA. [General care of patients] Obshchii uklad za bol'nymi. Moskva, Medgiz, 1963. 282 p. (DNLM)
- GEORGIEVSKAYA, L.M. [Diseases due to the common cold, their prevention and treatment] Prostudnyye zabolevaniia, ikh preduprezhdeniie i lecheniie. [Leningrad] Medgiz, 1962. 50 p. (Nauchno-popularnaia meditsinskaiia literatura) (DNLM)
- GINZBURG, V.G. [Fundamentals of a roentgenological examination of the skull] Osnovy rentgenologicheskogo issledovaniia cherepa; rukovodstvo dlia vrachei. Moskva, Medgiz, 1962. 178 p. (DNLM)

GOLIKOV, S.N., and V.I. ROZENGART. [Pharmacology and toxicology of phosphorus organic compounds] *Farmakologiya i toksikologiya fosfororganicheskikh soedinenii*. [Leningrad] Medgiz, 1960. 110 p. (DNLM)

GRISHINA, K.F., and L.A. KOMAROVA. [Technique and method of performing physiotherapeutic procedures] *Tekhnika i metodika provedeniya fizioterapevticheskikh protsedur; spravochnik dlia srednego meditsinskogo personala*. Leningrad, Medgiz, 1963. 319 p. (DNLM)

GRISHINA, T.A. [What parents should know about rheumatism in children] *Chto nado znat' roditeliam o revmatizme u detei*. Moskva, Gos. izd-vo med. lit-ry, 1958. 27 p. (Sovety roditeliam) (IU)

GUKASIAN, A.G. [Gastrointestinal diseases and their prevention] *Zheludочно-kishechnye zabolevaniya i ikh preduprezhdenie*. Moskva, Izd-vo "Znanie," 1963. 55 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 1)

IL'INA, L.I., and E.V. KUKOLEVSKAYA. [Electroencephalography of athletes] *Elektroentsefalografiya sportsmenov*. Moskva, Medgiz, 1962. 127 p. (DNLM)

ISKHAKOV, S.I. [Sanitary education in the Tajik S.S.R.] *Sanitarnoe prosveshchenie v Tadzhikskoi SSR*. Dushanbe, Tadzhikgosizdat, 1962. 98 p. (DNLM)

IUNUSOVA, KH.A., N.S. LOGINOVA, and O.S. MAKHMUDOV. [Typhoid fever and paratyphoid fever in children] *Brizhnoi tif i paratifi u detei*. Tashkent, Medgiz UzSSR, 1962. 169 p. (DNLM)

KANT, V.I. [Method for determining the norms of a rural population's needs for clinical and preventive medical aid] *Metodika opredeleniya normativov potrebnosti sel'skogo naseleniya v tekhnicheskoi profilakticheskoi pomoshchi*. 1960. 118 p. (DNLM)

KISHINEV, GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Problems of geriatrics] *Voprosy geriatrii*. Kishinev, Shtiintsa, 1960. 142 p. (DC)

KOKUSHINA, T.M. [Antibiotics and immunity] *Antibiotiki i immunitet*. Leningrad, Medgiz, 1963. 111 p. (DNLM)

KREINDLER, A. [Epilepsy; clinical and experimental studies. Translated from the Rumanian] *Epilepsia; klinicheskie i eksperimentalnye issledovaniya*. Pod red. E.V. Smidta i F.V. Buasina. Moskva, Medgiz, 1960. 506 p. (DNLM)

LENINGRAD, LENINGRADSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT PERELIVANIYA KROVI. [Preparations and blood substitutes of the Leningrad Scientific Research Institute of Blood Transfusion] *Preparaty i krovozameniteli Leningradskogo nauchno-issledovatel'skogo instituta perelivaniya krovi; metodicheskoe posobie dlia vrachei*. Leningrad, 1962. 80 p. (DNLM MICROFILM)

LIKHTENSHTEIN, V.A. [Temperature analyzer, its role normally and in some aspects of pathology] *O temperaturnom analizatore i ego roli v norme i nekotorykh vidakh patologii*. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1960. 153 p. (DNLM)

MOSCOW, VTOROI MOSKOVSKII MEDITSINSKII INSTITUT. [Laboratory manual on pharmacology and general prescription writing] *Rukovodstvo k prakticheskim zaniatiyam po farmakologii i obshchei retsepture*. Moskva, 1962. 79 p.

OPPI, LADISLAV, and MILOSLAV JOKL. [Method of measuring microclimatic conditions in hygienic practice] *Metodika izmereniya mikroklimaticheskikh uslovii v gigenicheskoi praktike*. Moskva, Medgiz, 1962. 121 p. (DNLM)

PEREL'MAN, M.I. [Lung resection in tuberculosis] *Razektsiya legkikh pri tuberkuloze*. Novosibirsk, Izd-vo Sibirskogo otd-nya AN SSSR, 1962. 371 p. (DNLM)

[A PHYSICIAN'S CALENDAR FOR 1963] *Kalendar' vracha na 1963 god*. Pod obshchei red. I.G. Kocherzina. Moskva, Medgiz, 1963. 447 p.

POTAPOVA, I.N. [Children need not be sick] *Deti ne dolzhny bolet'*. Moskva, Izd-vo "Znanie," 1963. 44 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 3)

RAKIMANOV, V. [Without a physician; treatment of diseases by light, air, water, heat, cold, gymnastics, and massage] *Bez doktora; lechenie boleznei svetom, vozdukhom, vodoi, toplom, kholodom, gimnastikoi i massazhami*. New York, Korschha, 1959. 94 p. (NBC)

REVZIN, I.I. [Use of plastics in medicine] *Primenenie plastmass v meditsine*. Moskva, Ob-vo po rasprostraneniю polit. i nauchn. znaniy RSFSR, 1962. 27 p. (DNLM MICROFILM)

RIADOV, S.I. [Anemia and its prevention] *Malokroviye i ego profilaktika*. Moskva, Medgiz, 1962. 35 p. (Nauchno-populiarnaya meditsinskaya literatura) (DNLM)

SHCHERBAKOVA, M.G. [Work of the medicosanitary service in reducing disease incidence among miners] *Opyt raboty mediko-sanitarnoi chasti po snizheniyu zabolevaimosti shakhterov*. Moskva, Medgiz, 1963. 122 p. (Pereodovoi opyt organizatsii zdravookhraneniya) (DNLM)

SHEVCHENKO, I.T. [Fundamentals of the prevention of malignant tumors] *Osnovy profilaktiki zlokhachestvennykh opukholei*. Kiev, Gosmedizdat USSR, 1962. 291 p. (DNLM)

SHILOV, P.I., and L.I. KAZBINTSEV. [Functional diagnosis of stomach diseases] *Funktsional'naya diagnostika zabolevaniy zheludka*. Leningrad, Medgiz, 1963. 269 p. (DNLM)

SHULUTKO, L.I. [Problems of clinical X-ray diagnosis of closed fractures of tubular bones] *Voprosy kliniko-rontgenologicheskoi diagnostiki zakrytykh perelomov trubchatykh kostei*. Kazan', Kazanskii gos. in-t usovershenstvovaniya vrachei, 1960. 106 p. illus. (DNLM)

SMOL'YANNIKOV, A.V., and T.A. NADDACHINA. [Problems of pathological anatomy and the pathogenesis of coronary insufficiency] *Voprosy patologicheskoi anatomii i patogenez koronarnoi nedostatochnosti*. Moskva, Medgiz, 1963. 246 p. (DNLM)

TAL'MAN, I.M. [Surgery of the gallbladder and bile ducts] *Khirurgiya zheleznogo puzyr'a i zheleznnykh protokov*. Leningrad, Medgiz, 1963. 431 p. (DNLM)

TAMAROV, I.M. [Gymnastics for elderly people] *Gimnastika dlia pozhiilykh*. Moskva, Medgiz, 1960. 39 p. (Nauchno-populiarnaya meditsinskaya literatura) (DNLM)

TASHKENT, GOSUDARSTVENNYI MEDITSINSKII INSTITUT. *Kafedra gosital'noi terapii podiatricheskogo i professional'nykh boleznei sanitarno-gigienicheskogo fakul'teta na baze klinicheskoi bol'nitsy neotlozhnoi pomoshchi*. [Emergency diagnosis and therapy] *Voprosy neotlozhnoi diagnostiki i terapii*. Pod red. O.N. Pavlovi. Tashkent, Medgiz UzSSR, 1962. 199 p. (DNLM)

TIFLES, NAUCHNO-ISSLEDOVATELSKII INSTITUT SANTARI I GIGIENY. [Bibliographic index of the works of the Scientific Research Institute of Sanitation and Hygiene] *Bibliograficheskii ukazatel' trudov nauchno-issledovatel'skogo instituta sanitarii i gigeny, 1926-1960 g.* Tbilisi, 1962. 56 p. (MICROFILM)

TSENTRAL'NYI NAUCHNO-ISSLEDOVATELSKII INSTITUT KURORTOLOGII I FIZIOTERAPII. [Abstracts of reports presented at the scientific session of the Central Scientific Research Institute of Health Resort Therapy and Physiotherapy in the section "Physiotherapy in diseases of the nervous system"] *Referaty dokladov na nauchnoi sessii TSENtral'nogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii po razdelu "Fizicheskaya terapiya bol'nykh s zabolevaniyami nervnoi sistemy."* Moskva, 29-31 marta 1961 g. Pod red. N.I. Strelkovi. Moskva, 1962. 57 p. (DNLM MICROFILM)

USOV, I.N. [How to prevent and treat the weakening of a child; advice to parents] *Kak predupredit' i lechit' oslablenie rebenka; sovety roditeliam*. Minsk, Gosizdat BSSR, 1963. 109 p. (DNLM)

USPENSKIY, V.I. [Histamine] *Gistamin*. Moskva, Medgiz, 1963. 214 p. (DNLM)

VOIACHEK, V.I. [Rhino-orthosis; methods for the correction of structural defects of the nose] *Rhinortoz; sposoby ustraneniya strukturnykh defektov nosa*. Leningrad, Medgiz, 1963. 94 p. (DNLM)

VSESOIUZNAIA KONFERENTSIYA PATOFIZIOLOGOV. 3d. Sverdlovsk. [Problems of immunopathology] *Voprosy immunopatologii; trudy*. Moskva, Medgiz, 1963. 257 p. (DNLM)

15. AGRICULTURE

AKADEMIYA NAUK SSSR, Komi filial, Syktyvkar. [Forests and the lumbering industry in the Komi A.S.S.R.] *Lesa i lesnaya promyshlennost' Komi ASSR. Pod obshchei red. V.A. Galas'eva*. Moskva, Goslesbumizdat, 1961. 394 p. (DNAL MICROFILM)

AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent, Otdel geografii. [Agricultural geography of Samarkand and Bukhara Provinces] *Geografiya sel'skogo khoziaistva Samarkandskoi i Bukharskoi oblastei*. [By] Z.M. Akramov i dr. Tashkent, Izd-vo Akad. nauk UzSSR, Pt. 2. 1961. 323 p. (Materialy Zeraushanskoi ekspeditsii SOPs AN UzSSR, no. 1)

AKAEVSKII, A.I. [Anatomy of domestic animals] *Anatomi domashnikh zhivotnykh*. Moskva, Sel'khozizdat, 1962. 581 p. (Uchebnyi i uchebnye posobia dlia vysshiikh sel'skokhoziaistvennykh uchebnykh zavedenii)

BABI, M.S. [New varieties of stone fruits for Moldavia] *Novye sorta kostochkovykh porod dlia Moldavii*. Kishinev, Izd-vo sel'khoz. lit-ry M-va protsvodstva i zagotovok sel'khozproduktov Moldavskoi SSR, 1962. 68 p.

CHUVASH A.S.S.R. *Ministerstvo protsvodstva i zagotovok sel'skokhoziaistvennykh produktov. Respublikanskaya stantsiya po zashchite rastenii*. [Measures for protecting farm plants, fruit and berry plantations, and forests against pests and diseases in the Chuvash A.S.S.R. in 1962] *Meropriyatiya po zashchite sel'skokhoziaistvennykh rastenii, plodovo-lagodnykh nasazhdenii i lesov ot vreditel'ei i boleznei po Chuvashskoi ASSR na 1962 god*. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1962. 74 p. (DNAL MICROFILM)

DANYLEVYCH, S.IU. [Harvesting corn with grain combines] *Zbyranniia kukurudzy zernovyny kombinainmy*. Kyiv, Derzhsl'hoprydav URSR, 1962. 56 p. (DNAL)

DANYLEVICH, S.IU., and others. [Over-all mechanization of corn production] *Kompleksna mekhanizatsiia vyrobnytstva kukurudzy*. Za red. V.B. Babuka. Kyiv, Izd-vo Ukr. Akad. sel'skohosp. nauk, 1962. 194 p. (DNAL)

ELAGIN, I.N., ed. [Biology and the cultivation of buckwheat] *Biologiya i vozdeleyvanie grechikhi*. Moskva, Izd-vo sel'khoz. lit-ry, zhurnatov i plakatov, 1962. 303 p. (DNAL)

ELAGIN, I.N., ed. [Sorghum] *Sorgo*. Moskva, Izd-vo M-va sel. khoz. SSSR, 1961. 175 p. (DNAL)

ELLIOTT, F.C. [Plant breeding and cytogenetics. Translated from the English] *Seleksiya rastenii i tsitogenetika*. Pod red. I.S. predial. A.R. Zhebraka. Moskva, Izd-vo inostr. lit-ry, 1961. 447 p. (RFB)

ERPET, S.D. [Growth and water requirements of the dwarf elm under various conditions of protection in the northwestern Caspian Sea region] *Rost i vlagopotreblenie vliaza melkolistnogo v usloviakh razlichnoi blagooobespechennosti v Severo-Zapadnom Prikaspii*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 62 p. (DNAL)

GOLOTA, I.A. [Swine erysipelas and measures for its control in the Ukraine] *Rozha svinei i mery bor'by s nei na Ukrainie*. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR, 1962. 186 p. (DNAL)

- GOLOVKO, D. G. [Growing potatoes on peat soils] Vyrashchivanie kartofella na torfnykh pochvakh. Leningrad, Sel'khozizdat, 1962. 134 p. (DNAL)
- GONCHAROV, A. D. [Promoter of progress; electricity in agriculture] Drigatel' progressa; elektrichestvo v sel'skom khoziaistve. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriya: Ekonomika, no. 6)
- GORBUNOV, V. P. [Basic corn varieties grown in Tashkent Province] Osnovnye sorta kukuruzy; vozdel'yvaemye v Tashkentskoi oblasti. Tashkent, Gosizdat UzSSR, 1962. 28 p. (DNAL)
- GORSHENIN, N. M., and A. I. BUTEIKO. [Determining the types of forest sites] Opredelenie tipov uslovii mestoproizrastaniia. Izd. 2. [Lvov] Izd-vo Lvovskogo univ., 1962. 229 p. (DNAL)
- [HANDBOOK FOR BEEKEEPERS] Spravochnik pchelovoda. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 360 p. (DNAL)
- [HANDBOOK FOR THE AGRONOMIST SPECIALIZING IN COTTON GROWING] Pagachy agronomyn spravochnikgi. Ashgabat, Turkmenistan dovlet nashiriyati, 1962. 357 p. [In Turkmen] (DNAL)
- IAROSHENKO, P. N. [Sowing and planting machines] Posivni i sadyl'ni mashyny. Kyiv, Derzhshil'hospvydav U.R.S.R., 1962. 217 p. (Na dopomohu vyvchaluchym s-h. tekhniku) (DNAL)
- IVANOV, N. IA., and others. [Mechanized raising and harvesting of buckwheat and millet] Mekhanizatsiia vozdel'yvaniia i uborki grechikhi i prosa. Moskva, Izd-vo M-va sel'khoz. RSFSR, 1962. 33 p. (DNAL)
- KAARMA, I. J., N. P. OSIN, and V. E. LAANMAE. [Estonian meat-type swine] Estonskaiia bekonnaia poroda svinet. Leningrad, Sel'khozizdat, 1962. 109 p. (DNAL)
- KALINKAUSKYI, A. V. [Relation of the teaching of chemistry to agriculture] Zv'iazok vykladanniia khimii z sil's'kohospodars'kym vyrobnytstvom; posibnyk dlia vychyteliv. Kyiv, Radians'ka shkola, 1962. 138 p. (DNAL)
- KARABETIAN, S. K. [Biological principles underlying the increase of productivity and ways for the intensification of poultry raising in the Armenian S.S.R.] Biologicheskie osnovy povysheniia produktivnosti i puti intensifikatsii ptitsovodstva v Armianskoi SSR. Erevan, Armesel'khozizd, 1962. 405 p. (DNAL)
- KHARKOV, UKRAINSKII NAUCHNO-ISSEDOVATEL'SKII INSTITUT POCHOVOVEDENIA. [Erosion control and increasing the fertility of eroded soils in the Ukraine; materials of a republic-wide conference] Bor'ba s eroziiei i povysheniie plodorodilia erodirovannykh pochv Ukrainy; materialy Respublikanskogo sovreshchaniia. Kiev, Izd-vo Ukrain'skoi akad. sel'khoz. nauk, 1962. 323 p. (DNAL)
- KHARKOV, UKRAINS'KYI NAUKOVO-DOSLIDCHYI INSTYTUT LISOVOHO HOSPODARSTVA I AGROLISOMELIORATSII. [Sheltered zone of the Dniester] Zashchitnaia zona Dnepra. Kiev, Izd-vo UASKhN, 1962. 191 p. (DNAL)
- KHODZHAMKULOV, R., and KH. KHAIDAROV. ["The Gallya-Aral No. 1." Experimental Demonstration Farm] "I-Gallaoroi" tashriba-namuna khuzhahligi. Tashkent, 1962. 55 p. [In Uzbek]
- KIEV. VSESOUZNYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT SAKHARNOI PROMYSHLENNOSTI. [Basic conclusions of research work in 1959-1960] Osnovnye vyvody nauchno-issledovatel'skikh rabot za 1959-1960 gg. Kiev, Izd-vo UASKhN, 1962. 308 p. (DNAL)
- KOZLOV, IA. I. [Cultivation of lemon in Turkmenistan] Kul'tura limona v Turkmen'skoi SSR. Otv. red. K. M. Muradov. Ashkhabad, Izd-vo Akad. nauk Turkmen'skoi SSR, 1963. 26 p. (DNAL)
- KRAPIVENKO, I. G. [Effect of fertilizers on rice and their efficient use] Vliianie udobrenii na ris i ratsional'noe ikh primeneniie. Alma-Ata, Izd-vo Akad. nauk Kazakh'skoi SSR, 1962. 44 p. (DNAL)
- KRASNOYARSK, SIBIRSKII TEKHNOLIGICHESKII INSTITUT. [Larch] Listvenitsa; sbornik statei. Krasnotarsk, 1962. 312 p. (Ita: Trudy, no. 29)
- KRUPENINA, A. P., and V. G. LOSHAKOV. [Soil and postharvest crops] Zemlia i promezhutochnye kul'tury. Pod red. S. A. Vorob'eva. Moskva, Izd-vo "Znanie," 1963. 46 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no. 4) (DNAL)
- KUZ'MINOV, N. V. [Set the fire of enthusiasm in people] Plamia dushi - liudiam. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 19 p. (Nashi malaki) (DNAL)
- LENINGRAD, INSTITUT RASTENIEVODSTVA. [Conference of postgraduates and young research workers, in celebration of the 40th anniversary of the Great October Socialist Revolution; abstracts of experimental works] Nauchnaia konferentsiia aspirantov i molodykh nauchnykh rabotnikov, posviashchennaiia 40-letiiu Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii; referaty eksperimental'nykh rabot. Leningrad, 1957. 99 p. (DNAL)
- LENINGRAD, VSESOUZNYI ZAOCHNYI LESOTEKHNI-CHESKII INSTITUT. [Machines and equipment in forest exploitation] Mashiny i oborudovanie lesoraz-rabotok. Leningrad, No. 1. Plotnikov, V. L. [Portable mechanized instrument; uchebnoe posobie dlia studentov lesomekhanicheskogo i lesosnizhener-nogo fakul'tetov, 1961. 49 p. (DNAL)
- LIBERMAN, S. G., V. P. PETROVSKII, and K. D. SINITSIN. [Recent development in the technology of the production of dry livestock feeds] Novoe v tekhnologii proizvodstva sukhikh zhivotnykh kormov. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 40 p. [DNAL MICROFILM]
- LISENKO, T. D. [Soil nutrition of plants as a basic problem in the science of agriculture] Hruntovo zhivleniia roslin - korinne pytanniia nauky zemle-robitva. Pereklad z 3. dop. roslis'koho vyd. Kyiv, Derzhshil'hospvydav URSR, 1963. 206 p. (DNAL)
- LUK'IANOV, V. S. ed. [V. S. Luk'ianov's method of hydraulic analogies and N. N. Pavlovskii's method of electrohydrodynamic analogies; applied to seepage computations] Metod gidravlicheskikh analogii V. S. Luk'ianova i metod elektrogidrodinamicheskikh analogii N. N. Pavlovskogo; primenitel'no k fil'tratsionnym raschetam. [By] M. A. Vevlorovskaiia, I. P. Kravchenko, S. A. Rumiantsev. [Moskva] Izd-vo Mosk. univ., 1962. 249 p. ———— VI. [Nomograms for computing the development of ground water head and of seepage from channels under conditions of unsteady movement] Nomogrammy dlia raschetov razvitiia podpora gruntovykh vod i fil'tratsii iz kanalov v usloviakh neustanovivshiesia dvizheniia 55 p.
- MAILYBAEV, M. B. [Cotton growing in Kazakhstan] Kazakhstannyn makta shaurashylygy. Almaty, Kazak-tyn memleketlik aul shaurashylyk edebietii baspasy, 1962. 118 p. [In Kazakh] (DNAL)
- MAKAROVA, M. M. [Microbiology of silage] Mikrobiologiya silosa. Leningrad, Sel'khozizdat, 1962. 180 p. (DNAL)
- [MANUAL ON TURPENTINING] Spravochnik: podsochka lesa. Pod obshchei red. B. V. Tullakova. Moskva, Goslesbumizdat, 1962. 334 p. (DNAL)
- MELEKHOV, I. S. [Principal yield cuttings] Rubki glavnogo pol'zovaniia. Moskva, Goslesbumizdat, 1962. 328 p. (DNAL)
- MELIUKOV, A. N. [Biophysics and animal husbandry] Biofizika i zhivotnovodstvo. Moskva, Izd-vo "Znanie," 1963. 28 p. (Novoe v zhizni, nauke, tekhnike. V Seriya: Sel'skoe khoziaistvo, no. 7)
- MITSYK, V. IU. [Trace elements in the feeds of farm animals] Mikroelementy v hodiivl sil's'kohospodars'kykh tvaryn. Kyiv, Derzh. vyd-vo sil's'kohospodars'koi lit-ry Ukrain'skoi RSR, 1962. 163 p. (DNAL)
- MOLDAVIAN S.S.R. Ministerstvo proizvodstva i zagotovok sel'khozproduktov. [Lectures on vegetable gardening] Lektsii po ovoshchevodstvu. Kishinev, Izd-vo sel'khoz. lit-ry, 1962. 168 p. (V pomoshch' shkolam poredovogo opyta) (DNAL)
- MOSCOW, MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADEMIIA IMENI K. A. TIMIRIAZEVA. Vsevel'd Mavrikievich Klechkovskii. Moskva, 1960. 45 p. (Uchenye Timiriazevskoi akademii) (MH)
- MOSCOW, VSESOUZNYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT ZHIVOTNOVODSTVA. [FORAGE quality of corn] Kormovoe dostoinstvo kukuruzy. Pod red. M. F. Tormme. Moskva, Izd-vo M-va sel'khoz. SSSR, 1959. 413 p. (DNAL)
- MOSOLOVA, T. S. [How I obtain high milk yields] Kak ia dobiyalas' vysokikh nadoov moloika. [Tambov] Tambovskoe knizhnoe izd-vo, 1959. 37 p. (Hiblo-tochka zhivotnovoda) (DNAL)
- NAUCHNAIA KONFERENTSIIA PO PREDPOSEVNOIU OBLUCHENIIU SEMIAN. 1961. [Irradiation of farm crop seeds before sowing] Predpossevnoe obluichenie semian sel'skokhoziaistvennykh kul'tur; materialy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 213 p. (DNAL)
- NAUCHNO-PROIZVODSTVENNAIA KONFERENTSIIA PO MIKROELEMENTAM I IKH ZNACHENIIIA V SEL'SKOM KHOZIAISTVE BASHKIRII. [Chemicalization of agriculture] Khimizatsiia sel'skogo khoziaistva; doklady i tozley. Ufa, Bashkirskoe respublikanskoe pravlenie Vses. khim. ob-va im. D. I. Mendeleeva, Vol. 3. 1961. 49 p. [DNAL MICROFILM]
- NOVIKOV, E. A. [Raising purebred dairy cattle] Chistoporochnoe razvedeniie molochnogo skota. Izd. 2., dop. i perer. Moskva, Sel'khozizdat, 1962. 369 p. (DNAL)
- OSMOLOVSKII, M. S. [Organization and construction of mechanized dairy sections] Organizatsiia i stroitel'stvo mekhanizirovannykh ferm. [Moskva] Mosk. rabochii, 1962. 150 p. (DNAL)
- OSTASHKO, F. I., S. I. SERDIUK, and M. I. LOPATKO. [Preserving animal semen] Zberihanniia sil'ma tvaryn. Kyiv, Derzh. vyd-vo sil's'kohospodars'koi lit-ry URSR, 1962. 75 p. (DNAL)
- PARKHOMENKO, V. V. [Animal and bird protection in the Ukraine] Okhorona zviel' i ptakiv na Ukraini. Kyiv, Derzh. vyd-vo sil's'kohospodars'koi lit-ry URSR, 1962. 97 p. (DNAL)
- PAVLENKO, M. K. [Intensive agriculture instead of grassland farming; practices on the collective farms in Kagarlyk District, Kiev Province] Intensyvne zemlerobstvo zamiel' travopilliia; dosvid kolhosiv Kagarlyts'koho raionu na Kyivschiyni. Kyiv, Derzhshil'hospvydav URSR, 1962. 122 p. (DNAL)
- PLATONOV, V., and others. [Practices in machine harvesting of cotton] Opyt mashinnoi uborki khlopka. Tashkent, Gosizdat UzSSR, 1962. 70 p. (Uchilas' u nikh!) (DNAL)
- POPESKO, PETER. [Atlas of the topographical anatomy of farm animals. Translated from the Slovak] Atlas topograficheskoi anatomi sel'skokhoziaistvennykh zhivotnykh. Bratislava, Slovatskoe izd-vo sel'khoz. lit-ry. Vol. 2. [Trunk] Tulovishche. 1962. 200 p.
- POPOV, A. V. [School of advanced practices] Shkola poredovogo opyta. [Tambov] Tambovskoe knizhnoe izd-vo, 1963. 26 p. (Resheniia XXII s'ezda KPSS - v zhizni) (DNAL)
- POVYSHENIE PRODUKTIVNOSTI LISOV ZAPADNYKH I TSENTRAL'NYKH RAIONOV SSSR. [Increasing the productivity of forests in the western and central regions of the U.S.S.R.] Minsk, Izd-vo M-va vysshago srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 266 p. (DNAL)

PROFSOJUZ RABOCHIKH I SLUZHASHCHIKH SEL'SKOGO KHOZIAISTVA I ZAGOTOVOK. Tsentral'nyi komitet. [Manual on safety measures for the distribution and storage of fuel and lubrication materials] Pamiatka po tekhnike bezopasnosti pri otpuske i khraneni goruche-smazochnykh materialov. Moskva, Sel'khozizdat, 1963. 38 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)

PROFSOJUZ RABOCHIKH I SLUZHASHCHIKH SEL'SKOGO KHOZIAISTVA I ZAGOTOVOK. Tsentral'nyi komitet. [Manual on safety measures for work with combines] Pamiatka po tekhnike bezopasnosti pri rabote na kombaine. Moskva, Sel'khozizdat, 1963. 39 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)

PROFSOJUZ RABOCHIKH I SLUZHASHCHIKH SEL'SKOGO KHOZIAISTVA I ZAGOTOVOK. Tsentral'nyi komitet. [Manual on safety measures for work with hay-harvesting machines] Pamiatka po tekhnike bezopasnosti pri rabote na senoborochnykh mashinakh. Moskva, Sel'khozizdat, 1963. 16 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)

PROFSOJUZ RABOCHIKH I SLUZHASHCHIKH SEL'SKOGO KHOZIAISTVA I ZAGOTOVOK. Tsentral'nyi komitet. [Manual on safety measures for work with tractor-mounted and semimounted machines] Pamiatka po tekhnike bezopasnosti pri rabote na traktorakh s navesnyimi i polunavesnyimi mashinami. Moskva, Sel'khozizdat, 1963. 28 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)

PROFSOJUZ RABOCHIKH I SLUZHASHCHIKH SEL'SKOGO KHOZIAISTVA I ZAGOTOVOK. Tsentral'nyi komitet. [Manual on safety measures for work with tractors and tractor-drawn machines] Pamiatka po tekhnike bezopasnosti pri rabote na traktorakh s pritsepnymi mashinami. Moskva, Sel'khozizdat, 1963. 31 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)

PROFSOJUZ RABOCHIKH I SLUZHASHCHIKH SEL'SKOGO KHOZIAISTVA I ZAGOTOVOK. Tsentral'nyi komitet. [Manual on safety measures in the operation of feed processing machines] Pamiatka po tekhnike bezopasnosti pri obsluzhivani mashin po pererabotke kormov. Moskva, Sel'khozizdat, 1963. 22 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)

RABINOVICH, N. M. [Interesting stories about corn] Zanimatel'nye rasskazy o kukuruze. Alma-Ata, Kazakhkhozgiz, 1962. 230 p. (DNAL)

RAKOVA, E. I. [Russian grain] Khleb Rossi. Moskva, Izd-vo "Znanie," 1963. 48 p. (Novoe v zhizni, nauka, tekhnika, V Seriya: Sel'skoe khoziaistvo, no. 8)

[REFERENCE BOOK ON CORN] Spravochnik po kukuruze. Moskva, Sel'khozizdat, 1962. 610 p. (DNAL)

ROMANIUK, O. I. [Harvest corn with machines only] Zbiraty kukurudzu til'ky mashynami. Kyiv, Derzhshil'hospvydav URSSR, 1962. 20 p. (DNAL)

SAKHAROV, I., and others. [Use of machines and tractors on collective farms] Eksploatatsia mashinno-traktornogo parka v kolhozakh. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 178 p. (DNAL)

SAVITSKYI, K. A. [Growing buckwheat in the Ukraine] Kul'tura hrechky na Ukraini. Kyiv, Derzhshil'hospvydav URSSR, 1963. 202 p. (DNAL)

SHAIN, S. S. [Feed production without grassland crop rotation] Kormoproduktivnost' bez travopol'ia. Moskva, Izd-vo "Znanie," 1963. 56 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no. 3)

SHARIFOV, AZAD. [Let the mountains of cotton rise to the clouds] Pust' do oblaka vyrastet khlopka gora.... [Moskva] Molodaia gvardia, 1962. 109 p.

SHTUNDRIK, A. V. [Fruit and berry pests and ways of controlling them] Vrediteli plodovo-lagodnykh kul'tur i mery bor'by s nimi. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1962. 50 p. (CU)

SIBIRSKAYA KONFERENTSIYA POCHVOVEDOV, 1st, Krasnoyarsk. 1961. [Papers of the First Siberian Conference of Soil Scientists] Trudy. Krasnoyarsk, Krasnoyarskoe otd-nie Vses. ob-va pochvovedov, 1962. 618 p.

SOLOPOV, G. P. [The orchard bears fruit every year] Sad plodnost' ezhegodno. Pod red. M. I. Rozhkova. Moskva, Izd-vo "Znanie," 1963. 45 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no. 1)

STEPANOV, K. M. [Fungus epiphytotic; an introduction to the general epiphytology of fungus diseases of plants] Gribnye epifitotii; vvedenie v obshchuiu epifitologiyu gribykh boleznei rastenii. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 470 p. (DNAL)

TARANOV, V. V. [Vegetable growing for canning] Vyrashchivanie ovoshchei dlia konservirovaniia. Leningrad, Sel'khozizdat, 1962. 179 p. (DNAL)

TASHKENT. TASHKENTSKIY SEL'SKOKHOZIAISTVENNIY INSTITUT. [Collection of papers on entomology] Entomologicheskiy sbornik. Tashkent, Izd-vo Akad. nauk SSSR, 1960. 173 p. (DNAL MICROFILM)

TIULENIEV, M. O. [Growing potatoes, vegetable and forage crops on drained swamps in the Ukraine] Vyrashchivannia kartopli, ovochevykh ta kormovykh kul'tur na osushenykh bolotakh URSSR. Kyiv, Vyd-vo Akad. nauk URSSR, 1962. 71 p. (DNAL)

UDOL'SKAIA, N. L. [Selection of spring wheat] Seleksiia iarovol' pshenitsy. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 194 p. (RPB)

USHAKOV, O. F., and S. I. U. KLIAVIR. [Over-all mechanization of growing sugar beets] Kompleksna mekhanizatsiia v burjakivnytstvi. 2., perer. i dop. vyd. Kyiv, Derzhshil'hospvydav URSSR, 1962. 229 p. (DNAL)

USYK, H. IB. [Biological principles underlying the cultivation practices for tomatoes in Podolia] Biologichni osnovy agrotekhniki pomidoriv na Podolii. Kyiv, Derzhshil'hospvydav URSSR, 1962. 103 p. (DNAL)

VEKHOV, N. K., and V. N. VEKHOV. [Coniferous species of the Forest-Steppe Station; results of their introduction] Khivnoye porody Lesostepnoi stantsii; itogi introduktsii. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 147 p. (DNAL)

VSLAKIKH, A. S., ed. [Animal husbandry] Zhivotnovodstvo. Moskva, Sel'khozgiz, 1960. 477 p. (DNAL)

ZAGUMENNYI, A. L. [Controlling salinization in irrigated lands] Bor'ba s zasoleniem oroshennykh zemel'. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 64 p. (DNAL)

ZHLADA, N. H. [Life. Work. Meditation; a field leader tells his story] Zhyt'ia, Pratsa, Rozdumy; rozpovid' bankovol. Kyiv, Derzhshil'hospvydav URSSR, 1962. 108 p. (DNAL)

ZHARIKOV, I. U. [Soil protection according to Soviet law] Okhrona pochvy po sovet'skomu zakonodatel'stvu. Moskva, Vsesoe. ob-vo okhrany prirody, 1962. 52 p. (MICROFILM)

ZONAL'NOE NAUCHNO-METODICHESKOE SOVESECHANIE, Tashkent, 1967. [Scientific achievements in fruit culture, viticulture, and subtropical crops in the republics of Central Asia and of Kazakhstan; materials of the Zonal Conference held in Tashkent, Feb. 12-16, 1967] Nauchnye dostizhenia po sadovodstvu, vinogradarstvu i subtropicheskimi kul'turam Sredneaziatskikh respublik i Kazakhskoi SSR; materialy. Oty. red. A. F. Evtushenko. Moskva, Izd-vo M-va sel'khoz. SSSR, 1968. 164 p. (CU-A)

16. TECHNOLOGY

AFANASEV, P. S., and A. F. IANISHEVSKII. [Setting up woodworking machinery] Naladka derevobrabatyvayushchikh stankov. Izd. 2., perer. i dop. Moskva, Proftekhizdat, 1962. 439 p.

AGAFOV, K. N. [Some problems of housing construction in the Far North] Nekotorye voprosy zhilishchnogo stroitel'stva na Kraenem Severe. Krasnoyarsk, Nauchno-issl. in-t po stroitel'stvu, 1962. 90 p. (MICROFILM)

AKADEMIYA KOMMUNAL'NOGO KHOZIAISTVA. [Automation of gas water-heating boilers] Avtomatizatsiia vodogreynykh otopitel'nykh kotel'nykh na gase; tematicheski sbornik. Moskva, Gostoptekhzdat, 1962. 106 p.

AKADEMIYA NAUK SSSR. Komitet nauchno-tekhnicheskoi terminologii. [Translator devices] Poluprovodnikovyye pribory. Moskva, Izd-vo Akad. nauk SSSR. Pt. 1. [Basic concepts; terminology] Osnovnye poniatia; terminologiya, 1962. 22 p. (Ilg: Sborniki rekomenduyemykh terminov, no. 82)

AKADEMIYA NAUK URSSR. Kiev. Institut mashynoznaniya ta avtomatyky. Lvov. [Studies on automatic control, remote control, and measurements] Nauchnye raboty po avtomatike, telemekhanike i izmeritel'noi tekhnike; annotirovannyi spravochnik za 1951-1961 gg. Kiev, Izd-vo Akad. nauk URSSR, 1961. 71 p. (MH)

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Electrotenzometer devices in construction] Elektrotensozometricheskie pribory v stroitel'stve. Moskva, Gosstroizdat, 1962. 42 p. (MICROFILM)

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Gluing wooden structural elements in a field of high-frequency currents] Skleivanie derevannykh stroitel'nykh izdelii v pole tokov vysokoi chstoty; po materialam TsNI stroitel'nykh konstrukttsii ASIA SSSR i drugikh organizatsii. Moskva, Gosstroizdat, 1962. 42 p. (MICROFILM)

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Prestressed concrete elements for roofs of industrial buildings in the "Makstroil" Trust] Predvoritel'no napriazhennyye zhelezobetonnye konstrukttsii dlia pokrytii promyshlennykh zdani v treste "Makstroil"; Donetskii sovmarkhoz. Moskva, Gosstroizdat, 1962. 30 p. (MICROFILM)

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut osnovanii i podzemnykh sooruzhenii. [Instructions for the design and construction of foundations supporting light structures on heaving soil] Ukazaniia po proektirovaniu i stroitel'stvu malonagruznykh fundamentov na puchnistykh gruntakh. Moskva, Gosstroizdat, 1963. 28 p.

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut po stroitel'stvu, Sverdlovsk. [Progressive metal elements for industrial construction] Progressivnye metallicheskie konstrukttsii dlia promyshlennogo stroitel'stva. [By] V. I. Lazhenko i dr. Pod red. V. I. Lazhenko i R. S. Florova. Moskva, Gosstroizdat, 1963. 183 p.

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Institut sanitarnoi tekhniki. [New modernized devices and methods of automating sanitary engineering installations] Novyye modernizirovannyye pribory i sredstva avtomatizatsii sanitarno-tekhnicheskikh ustroystv. Moskva, Biuro proektirovaniia konstruktorskoe i tekhnicheskoi pomoshchi, 1962. 38 p. (MICROFILM)

AKADEMIYA STROITEL'STVA I ARKHITEKTURY SSSR. Leningradskii filial. [Mesh-reinforced concrete elements in construction] Armirovannyye konstrukttsii v stroitel'stve; sbornik nauchnykh soobshchenii. Leningrad, Gosstroizdat, 1963. 177 p.

AKIMTSEV, V. V. [Trace elements and their use] Mikroelementy i ikh primenenie. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 52 p. (MICROFILM)

[ALBUM OF AUXILIARY SKIDDING AND LOADING EQUIPMENT] Albom vspomogatel'nogo trelevochno-pogruzochnogo oborudovaniia. Moskva, Goslesbumizdat, 1962. 119 p.

ALEKHIN, S. V., I. V. ABRAMCHENKO, and N. G. PISAREV. [Metal cutting, machine tools and cutting tools] Rezanie metallov, stanki i instrumenty; uchebnoe posobie. Leningrad, Leningr. in-t inzhenerov zhel-dor, transporta, 1962. 128 p. (MICROFILM)

ALEKSEEV, K. A., A. I. ORLOV, and V. O. SAVANCHUK. [Manual for rural telecommunication workers] Posibnyk sel'skogo zhivlitsiia. Vyd. 2., perer. i dop. Kyiv, Derzhshil'hospvydav URSSR, 1962. 438 p.

- ALEKSEEV, N.S. [Building materials] Stroitel'nye tovary. Moskva, Gos. Izd-vo torg. lit-ry, 1962. 159 p.
- ALELISHVILI, B. I., and G. I. LEVINSKII. [Work safety in the aluminum industry] Bezopasnost' truda v aluminiovoi promyshlennosti. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 69 p.
- ALIEV, T. M., and others. [Teledynamometering of deep well pumps] Teledinamometrirovaniye glubinnonasosnykh skvazhin. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 101 p.
- ALIEV, V. S. [Thermocontact pyrolysis of crude oil] Termokontaktnyi piroliz nefianogo syr'ia. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 223 p.
- ALKSNIS, F. [Modern finishing and insulating materials] Moderne apdars un izolācijas materiāli. Rīga, Latvijas Valsts izdevniecība, 1962. 169 p. [In Latvian]
- ANDEREG, G. F., and S. R. BARBANEI'. [Motion-picture theater equipment] Oborudovanie kinoteatrov. Moskva, Iskusstvo, 1962. 483 p.
- ANDREEV, G. I., and I. I. RASKIN. [New type of equipment in the cotton industry] Novaya tekhnika v khlopkovoi promyshlennosti. Pod red. A. Nurallieva. Tashkent, Gosizdat UzSSR, 1962. 72 p.
- ANDREEV, K. K., and others, eds. [Theory of explosives] Teoriya vzryvchatykh veshchestv; sbornik statei. Moskva, Oborongiz, 1963. 678 p.
- ANIKANOVA, K. F., S. P. ZAKHAROV, and I. I. SELEZNEV. [Tires for tractors, tractor trallors, and agricultural machines; reference materials] Shiny dlya traktorov, traktornykh pritsopov i sel'skokhozyastvennykh mashin; spravochnye materialy. Moskva, Goskhimizdat, 1963. 51 p.
- ANTIPENKO, G. I., I. A. E. KAPLANSKII, and A. D. GRABEL'SKII. [Pouring electrical steel; from practices of the "Dnepropetsstal'" Plant] Razlivka elektrostatil; opyt zavoda "Dnepropetsstal'". Khar'kov, Metallurgizdat, 1962. 35 p.
- ANTONENKOV, N. A. [House cost less] Doma obkhoditsya deshevie. [Moskva] Mosk. rabochii, 1963. 37 p. (Stroitel'no-benoinvalutsia opytom)
- ARZHANKOV, N. S., and G. S. SADEKOVA. [Supersonic flow about bodies of revolution] Otekanie tei vrascheniia sverkhzvukovym potokom. Moskva, Mosk. aviatsionnyi in-t im. Sergo Ordzhonikidze, 1962. 66 p.
- [MICROFILM]
- AVETISOVA, I. S. [Refrigerating equipment] Kholodil'noe oborudovanie. Moskva, Gostorgizdat, 1963. 109 p.
- AVRUMIN, A. G. [Diesel engine 2D100 for diesel locomotives; its maintenance and repair] Teplovoznii dizel' 2D100; tekhnicheskoe obsluzhivanie. Izd. 2. Ispr. 1 dop. Moskva, Transzheldorizdat, 1963. 313 p.
- AZERBAIJAN, GOSUDARSTVENNYI KOMITET PO DELAM STROITEL'STVA I ARKHITEKTURY. [Standard district estimates for construction and assembly work for construction projects of the first and second groups in Baku, Kirovabad, and nineteen zones of the Azerbaidzhan S. S. R., adapted to local conditions and in the new price scale] Sbornik edinykh raionnykh edinitsnykh raschetov na stroitel'no-montazhnye raboty dlya stroek pervoi i vtoroi grupp po g. g. Baku, Kirovabad i 19-ti zonam Azerbaidzhanakoi SSR, priviazannykh k mestnym usloviyam v novom mashtabe tsen. Baku, Razdel 1 - 5, 1961. 25 p. Razdel 6, D, 1961. 39 p. Razdel 7, 7-D, 17-D, PP i SKh, 1961. 37 p. Razdel 13-a, [Landscape gardening] Raboty po ozeleneniiu, 1960. 19 p.
- AZERBAIJAN, GOSUDARSTVENNYI KOMITET PO DELAM STROITEL'STVA I ARKHITEKTURY. [Supplementary catalog of estimates for basic building materials, products, intermediate products and structural elements for Baku, Kirovabad, and nineteen zones of the Azerbaidzhan S. S. R., determined by local conditions] Dopolnitel'nyi katalog smetnykh tsen osnovnykh stroitel'nykh materialov, izdelii, polufabrikatov i konstruktivnykh po g. g. Baku, Kirovabad i 19-ti zonam Azerbaidzhanakoi SSR, priviazannykh k mestnym usloviyam. Baku, 1960. 9 p.
- BABAEV, N. T., and V. V. KULIKOV. [Use of radio relay lines and microwave radio communication in electric power systems] Primeneniye radiorelatnykh lini i UKV radiosvazi v energosistemakh. Pod obshch. red. V. V. Kulikova. Moskva, Gosenergoizdat, 1963. 176 p.
- BABICHEV, G. A. [Ventilation of livestock buildings in Uzbekistan] Ventilatsiia zhivotnovodcheskikh pomeshchenii v Uzbekistane. Tashkent, Gosizdat UzSSR, 1962. 82 p.
- BACHURIN, N. I. [Cast-resin high-voltage insulation] Litaya izoliatsiia vysokogo napriazheniia. Moskva, Gosenergoizdat, 1963. 139 p.
- BAKU, RESPUBLIKANSKAI NAUCHNO-TEKHNIChESKAI BIBLIOTEKA. [Nefityanye Kamni; bibliographic index to the literature on the offshore petroleum fields in Azerbaijan] Nefityanye kamni; bibliograficheski ukazatel' literatury o morskoi neflianom mestorozhdenii v Azerbaidzhane. Baku, Azerbaidzhanskii in-t nauchno-tekhn. informatsii, 1962. 51 p. [MICROFILM]
- BAKU, VSESOIUNNYI NEFTIANOI NAUCHNO-ISSEDOVATEL'SKII INSTITUT PO TEKHNIKE BEZOPASNO-STI. [Assembly and use of safety devices in petroleum and gas production] Montazh i eksploatatsiia prispособlenii po tekhnike bezopasnosti v neftegazodobyvashcheli promyshlennosti. Izd. 2, perer. 1 dop. Moskva, Gostekhtizdat, 1963. 212 p.
- BANNOV, S. E. [Repair of the electric equipment of metallurgical plants] Remont elektrooborudovaniia metallurgicheskikh zavodov. Izd. 2, perer. 1 dop. Moskva, Metallurgizdat, 1963. 527 p.
- BARADAN'YANTS, V. K. [Gypsum equipment for precision casting] Gipsovaia osnastka dlya tochnogo lit'ia. Moskva, Mashgiz, 1963. 93 p.
- BARANOV, I. U. P., and N. I. SHTYMENKO. [Plant of communist labor] Zavod kommunisticheskogo truda. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 68 p. [MICROFILM]
- BARDIZH, V. V., and V. I. PEREKATOV. [Fluxor as an element of memory devices] Fluxor kak element zapominalushchikh ustroistv. Moskva, in-t tekhn. mekhaniki i vychislitel'noi tekhniki Akad. nauk SSSR, 1962. 47 p. (Elektronnye vychislitel'nye mashiny)
- BARIEV, N. V. [Networks controlling the electric drives of large excavators and their adjustment] Skhemy upravleniia elektropriivodami moshchnykh ekskavatorov i ikh naladka. Moskva, Gosenergoizdat, 1962. 70 p. (Biblioteka elektromontera, no. 85)
- BARON, L. I., and B. M. LOGUNTSOV. [Analysis of various ways of breaking rocks in connection with designing mining cutter-loaders] Analiz razlichnykh sposobov razrusheniia gornnykh porod primenitel'no k sozdaniu porodopokhodcheskikh kombinov. Moskva, Tsent. in-t tekhn. informatsii ugoi'noi promysl., 1962. 63 p. (Seria: Mekhanizatsiia i avtomatizatsiia dobychi i obogashcheniia uglia i gornoe oborudovanie) [MICROFILM]
- BARSHCHEVSKII, I. N. [Physicochemical properties of semiconductors] Fiziko-khimicheskie svoistva poluprovodnikov; uchebnoe posobie dlya studentov starshikh kursov MIIT-a. Moskva, Mosk. in-t inzhenerov transporta, 1962. 60 p. [MICROFILM]
- BARTOSH, E. T. [Gas-turbine locomotives] Gazoturbvoz. Moskva, Transzheldorizdat, 1963. 94 p.
- BARUN, V. A., and A. A. BUDINSKII. [Automatic control systems for machine tools] Sistemy avtomatizatsii stankov. Moskva, Mashgiz, 1963. 430 p.
- BATALOV, A. N., A. A. MYKOL'NIKOV, and R. I. SHTUNDEL'. [Practice in making large castings from bronze] Opyt izgotovleniia krupnykh otlivok iz bronzy. Moskva, Mashgiz, 1963. 46 p.
- BEDROSOV, I. U. I., and L. P. SUDARS. [Aeronautics in agriculture] Aviatsiia v sel'skom khoziaistve. Tashkent, Gosizdat UzSSR, 1962. 48 p.
- BEKHTEREV, V. D. [Fundamentals in the organization of car operation, maintenance and repair] Osnovy organizatsii vagonnogo khoziaistva; uchebnoe posobie dlya studentov, obuchalushchikhsia poprofilu "Vagonostroenie i vagonnoe khoziaistvo." Moskva, Mosk. in-t inzhenerov zhel-dor. transp. 1962. 99 p. [MICROFILM]
- BELOTSEKOVSKII, A. G., and A. A. MIKHAILEVICH. [Handbook for motor-vehicle drivers] Pamiatka voditelia avtomobilia. Moskva, Mashgiz, 1963. 155 p.
- BERKOVICH, D. M. [Inertial forces in engineering and their balancing] Stii inertsi v tekhnike i ikh uravnoveshivanie. Moskva, Mashgiz, 1963. 99 p. (Nauchnopolularnaya biblioteka molodogo rabochego)
- BIRIMZHANOV, B. A., ed. [Chemistry and the national economy] Khimiia zhizni khalyk sharyashlyty. [By] S. T. Omarov i dr. Almaty, Kazaktyrny meletekeli oku-pedagog. baspasy, 1962. 198 p. [In Kazakh]
- BOBROV, A. I., and S. K. SIDOROV. [Manufacture of cable paper] Proizvodstvo kabel'noi bumagi. Moskva, Tsent. in-t tekhn. informatsii i ekon. tsel. po lesnoi, bumazhnoi i derevoobrabatyvashcheli promyshl., 1962. 47 p. [MICROFILM]
- BOGDANOV, I. V. [Automatic frequency measurement] Avtomaticheskoe izmerenie chastoty. Moskva, Voenizdat, 1962. 85 p. (Radiolokatsionnaia tekhnika)
- BOGDANOV, T. M. [Joints of metal elements made with high-strength bolts] Soedineniia metallicheskikh konstruktivnykh na vysokoprotchnykh boltakh. Moskva, Transzheldorizdat, 1963. 109 p.
- BOGOMOLOV, V. A. [Regulation of the angle of rotation of the blades of a hydraulic turbine according to pressure conditions] Regulirovaniye uglia povorota lopastoi gidroturbiny po naporu. Kiev, Izd-vo Akad. nauk USSR, 1962. 66 p.
- BOGUSHEVICH, E. N. [Work of the preparatory period and erection of the underground part of buildings in industrial construction] Raboty podgotovitel'nogo perioda i vozvedeniye podzemnoi chasti zdani v promyshlennom stroitel'stve. Moskva, Gosstroizdat, 1963. 173 p.
- BOIARSKII, V. S. [Cable railroads with moving cables at lumbering camps in mountains] Kaban-roi'soye dorogi s dvizhushchimisya trosami na lesozagotovkakh v gornykh usloviakh. Moskva, Goslesbumizdat, 1962. 68 p.
- BOIKO, F. I., and V. I. DANILOV. [Repair of air distributors provisory No. 270-002] Remont vozdukhoraspreiditelei usl. No. 270-002; opyt kontrolnogo punkta avtotormozov stantsii Sverdlovsk-Sortirovochnyi. Moskva, Transzheldorizdat, 1963. 41 p.
- BOKSHCHANIN, I. U. R. [Ways of expanding the processing and use of larch wood] Puti rasshiroeniia pererabotki i potrebeniia liственitsy. Sverdlovsk, Sverdlovskoe obl. upr. nauchno-tekhn. ob-va bumazhnoi i derevoobrabatyvashcheli promyshl., 1962. 107 p. [MICROFILM]
- BORBATENKO, P. A. [Adjustment of the copying mechanism and graphoanalytic method for the adjustment of face cam of gear cutting lathes] Regulirovka kopiroval'nogo mekhanizma i grafoanaliticheski metod naladki kopirov kolecotokarnykh stankov. Moskva, Transzheldorizdat, 1962. 20 p.
- BORISOV, B. I. A. [Laboratory manual in metal cutting] Laboratornyi praktikum po rezaniiu metallov. Moskva, Mashgiz, 1963. 79 p.
- BORODULIN, I. P. [Industrial training of mechanics for the repair of electrical equipment and underframes of diesel locomotives in professional technical schools] Proizvodstvennoe obucheniye slesarei po remontu elektrooborudovaniia i ekipaznoi chasti teplovozov v professional'no-tekhnicheskikh uchilishchakh; metodicheskoe posobie. Moskva, Proftekhizdat, 1962. 132 p.
- BRATSKYKHIN, E. A. [Technology of plastics] Tekhnologiya plasticheskikh mass. Leningrad, Goskhimizdat, 1963. 300 p.
- BRAUN, M. P., and B. B. VINOKUR. [Low-alloy and high-strength steels and their use in machine construction] Malolegovani i vysokomiteni stali i ikh zastosovaniya v mashinobuduvanii. Kyiv, Vyd-vo Akad. nauk URSS, 1960. 78 p. diagr., tables. (RPB)
- BRODSKII, A. M. [Small hard-alloy cutting tools] Malogabaritnyi tverdospilnyi rezhushchii instrument. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962. 48 p. [MICROFILM]

- BRONZOV, A.S. [Multiple drilling in oil and gas fields] Kustovoe stroitel'stvo skvazhin na nef'tnykh i gazovykh promyshlakh. Moskva, Gostoptekhizdat, 1962. 327 p.
- BROYERMAN, F. G., and N. I. A. MARTYNOV. [Training electricians to service equipment in mines for automatic control, CTC, and communication] Podgotovka shakhtnykh elektroslesarey po obsluzhivaniyu sredstv avtomatizatsii, STsB i svyazi. Moskva, Proftekhizdat, 1962. 91 p. [MICROFILM]
- BUDNIKOV, P. P., and A. M. CHEREPANOV, eds. [Cement; collection of translations from foreign periodicals] TSement; sbornik perevodov iz inostrannoi periodicheskoi literatury. Moskva, Izd-vo inostr. lit-ry, 1962. 217 p.
- BUDNITSKI, L. D. [Modernization of equipment; practice of the Tomsk Metal-Cutting Tool Plant] Modernizatsiya oborudovaniya; opyt Tomskogo ordena Trudovogo Krasnogo Znameni zavoda rezhushekhkh instrumentov. [Tomsk] Tomskoe knizhnoe izd-vo, 1962. 86 p. [MICROFILM]
- BUANOVSKII, L. A. [Principles of planning the complete automation of oil and gas production and transportation] Printsipy proektirovaniya kompleksnoi avtomatizatsii dobychi i transporta nef'ti i gaza. Moskva, Gostoptekhizdat, 1963. 114 p.
- [BUILDER'S HANDBOOK] Spravochnik stroitel'sta. Izd. 2., perer. i dop. Pod red. I. G. Fedotova. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 478 p.
- BUKIN, M. A., and I. S. BIRGER. [Largest in the world; history of the construction of the Volga Hydroelectric Power Station (22d Congress of the CPSU)] Krupneishaya v Mire; k istorii sozdaniya Volzhskoi GES imeni XXII s'ezda KPSS. Pod red. S. R. Medvedeva. Moskva, Sotsekgiz, 1962. 225 p.
- BUNMOVICH, D. Z., and V. A. ROMANIN. [Photography and motion-picture cameras; photographic materials, equipment and chemicals] Foto i kino-apparaty; materialy, priborostroyeniye i khimikaty. Spravochnik. Moskva, Gosorgizdat, 1963. 263 p.
- [CALCULATING THE STRENGTH OF PIPELINES] Raschet truboprovodov na prochnost'; spravochnaya kniga. [By] A. G. Kamershtein i dr. Moskva, Gostoptekhizdat, 1963. 427 p.
- CHALYKH, E. F. [Technology of carbon-graphite materials] Tekhnologiya uglegrafitovykh materialov. Moskva, Metallurgizdat, 1963. 304 p.
- CHEKANOV, A. A. [Low-temperature welding] Svarka pri nizkikh temperaturakh. Izd. 2., perer. Moskva, Mashgiz, 1962. 191 p.
- [CHEMICAL TECHNOLOGY OF WOOD] Khimicheskaya tekhnologiya drovesiny. [By] Slavianskii, A. K. i dr. Moskva, Goslesbumizdat, 1962. 574 p.
- CHERNOV, V. [New method for welding aluminum strands of electric cables] Novyi sposob paiti alluminiovykh zhil kabeley; opyt Ritskikh gorodskikh elektrosel "Latvenergo" (energetika). Riga, TSentr. biuro tekhn. informatsii, 1962. 5 p. (Listok tekhnicheskoi informatsii)
- CHERVINSKI, M. M. [Ferroelectrics and prospects for their use in computer engineering] Segnetoelektriki i perspektivy ikh primeneniya v vychislitel'noi tekhnike. Moskva, Gosenergoizdat, 1962. 134 p. (Biblioteka po avtomatike, no. 61)
- CHIBISOV, K. V. [Basic problems of the chemistry of photographic emulsions] Osnovnye problemy khimii fotograficheskikh emul'sii. [Moskva] Izd-vo Mosk. univ. NIKFI, 1962. 121 p.
- CHURABO, D. D. [Design of radio components and assembly units] Konstruirovaniye detalei i uzlov radio-apparaty. Moskva, Gosenergoizdat, 1963. 439 p.
- [COLLECTORS OF ELECTRICAL MACHINES USING PLASTIC MATERIALS] Kollektory elektricheskikh mashin na plastmassu. [By] A. I. Fish i dr. Moskva, Gosenergoizdat, 1963. 191 p.
- [CORROSION AND PROTECTION OF METAL TELECOMMUNICATION STRUCTURES] Korrozia i zashchita metallicheskikh sooruzhenii sredstv svyazi. [By] I. N. Putilova i dr. Moskva, Svyaz'izdat, 1962. 175 p.
- DANILOV, S. K. [Railroad transportation and the economic and technical foundation of communism] Zheleznodorozhnyi transport i material'no-tekhnicheskaya baza kommunizma. Moskva, Transzheldorizdat, 1962. 100 p.
- DAVYDOV, I. U. P., and G. V. POKROVSKII. [Technology for the die stamping of titanium-alloy sheet] Tekhnologiya listovoi shlampovki titanovykh splavov. Moskva, Mashgiz, 1963. 89 p.
- DEKHTIARENKO, P. I. [Experimental determination of the frequency characteristics of automatic control systems] Eksperimental'nye vyznacheniya chastotnykh kharakteristik sistem avtomaticheskogo regulirovaniya. Kyiv, Vyd-vo Akad. nauk URSR, 1961. 143 p.
- [DEVELOPMENT OF ELECTRIC POWER ENGINEERING IN THE U.S.S.R.] Razvitiye elektroenergetiki SSSR. Moskva, Gosenergoizdat, 1961. 55 p. [PHOTOCOPY]
- DEVIATKOV, N. D., and A. A. PERESLENI. [Industrial electric vacuum technology] Tekhnologiya elektrovakuumnogo proizvodstva. Red. ass. N. M. Il'vovskaya. Moskva, Mosk. energeticheskii in-t. Pt. 3., no. 1. 1962. 49 p. [MICROFILM]
- DIKIS, M. I. A., and A. N. MAL'SKII. [Equipment of canning plants] Oborudovaniye konservnykh zavodov. Izd. 3., dop. i perer. Moskva, Pishchepromizdat, 1962. 468 p.
- DIVAKOV, N. V., and N. A. IAKOVLEV. [Theory of motor vehicles] Teoriya avtomobilov. Moskva, Vysshaya shkola, 1962. 298 p.
- DODRONAVOV, V. V., ed. [Problems in analytic and applied mechanics] Voprosy analiticheskoi i prikladnoi mekhaniki; sbornik statei. Moskva, Oberongiz, 1963. 175 p.
- DOLININ, N. P. [Units for heating chemical apparatus by means of high-temperature organic media] Ustanovki dlia nagreva khimicheskoi apparatury vysokotemperaturnymi organicheskimi toplivnymi sredstvami. Moskva, Mashgiz, 1963. 290 p.
- DRAIGOR, D. A., and G. I. VAL'CHUK. [Effect of wear on the fatigue strength of steel considering the scale factor] Vliyanie iznosa na ustalostnyu prochnost' stali s uchetom mashtabnogo faktora. Kiev, Izd-vo Akad. nauk USSR, 1962. 110 p.
- DRUTMAN, G. V., N. A. PETROV, and I. A. FEL'DMAN. [Handbook on reconnaissance of triangulation and traverse stations] Spravochnoe posobie po rekognostirovke punktov triangulatsii i poligonometrii. Moskva, Geodezizdat, 1962. 219 p.
- DUBROVSKI, E. P. [Training sites for linemen engaged in welding cables and work on municipal telephone networks] Uchebnye poligony dlia podgotovki kabel'shchikov-spaischikov i linnykh monterov svyazi gorodskikh telefonnykh setei. Moskva, Proftekhizdat, 1962. 103 p.
- DUGANOV, G. V., and E. I. BARATOV. [Heat regime of mines] Teplovii rezhim rudnikov. Moskva, Gosorgtekhizdat, 1963. 143 p.
- DUNAEV, M. N., and others. [Preparation, dewatering, and drying of fine coal; survey of foreign material] Obogashcheniye, obezvazhivaniye i suшка melkogo uglya; obzor zarubezhnykh materialov. Moskva, TSentr. in-t tekhn. informatsii, 1962. 77 p. (Zarubezhnaya tekhnika. Seriya: Tekhnologiya i ekonomika obogashcheniya i briketirovaniya uglya) [MICROFILM]
- DURASEVICH, R. E. [Training of rural electricians] Podgotovka sel'skogo elektromontera; iz opyta shkoly pamiat' V. I. Lenina v Gorkikh Leninskikh. Pod red. K. A. Ivanovleha. Moskva, Uchpedgiz, 1962. 136 p.
- DYMKIN, A. M. [Contact-metasomatic iron deposits in the southern part of the Main run in Turgay] Kontaktovo-metasomaticheskie mestorozhdeniya zheleza luzhnoi chasti Glavnoi rudnoi poloay Turgaya. Novosibirsk, Izd-vo Sibirskogo otd-niya AN SSSR, 1962. 238 p.
- DYN'KO, F. M. [If he dreamed about this] Pro tsa mritav illich. Kyiv, Vyd-vo "Molod", 1962. 80 p.
- EFROS, D. A. [Study of the flow of nonhomogeneous systems] Issledovaniya fil'tratsii neodnorodnykh sistem. Leningrad, Gostoptekhizdat, 1963. 350 p.
- EIDENZON, M. A. [Production of anhydrous magnesium chloride by the chlorination of magnesium oxide] Proizvodstvo bezvodnogo khloristogo magniya khlorirovaniem oksid magniya. Sverdlovsk, Metallurgizdat, 1963. 75 p.
- EL'KIN, G. A. [Charts for sawing logs (breaking-down systems) for export lumber] Skhemy raskroia breven (postuya) na eksportnye pilomaterialy. 2 izd. dop. Moskva, Goslesbumizdat, 1962. 306 p.
- EL'KIN, N. A., and L. N. TOSHCHAKOV. [Rectification using transistor devices] Detektirovaniye na poluprovodnikovyykh priborakh. Moskva, Svyaz'izdat, 1962. 55 p. (Lektii po tekhnike svyazi)
- ERMOLINSKI, F. D. [Manual for electricians working in lumbering] Posobie dlia elektromekhanikov lesozagotovok. Moskva, Goslesbumizdat, 1962. 288 p.
- ERSHOV, B. V., and M. V. ZALETAEV. [Maintenance of the ZIL-164A and ZIL-164AR motor trucks] Tekhnicheskoe obsluzhivaniye avtomobilov ZIL-164A i ZIL-164AR. Pod red. G. A. Festa. Moskva, Avto-transizdat, 1963. 155 p. (Biblioteka shofera)
- ESTRIN, B. M. [Preparation and use of controlled atmospheres] Proizvodstvo i primeneniye kontroliruemyykh atmosfer. Moskva, Metallurgizdat, 1963. 342 p.
- ETIN, G. E. [Synthetic materials in the finishing of buildings] Sinteticheskie materialy v otdelke zdaniy. Minsk, Gos. izd-vo BSSR. Redaktsiya proizvodstvennoi lit-ry, 1962. 44 p. [MICROFILM]
- EVLASHENKO, F. V. [Safety engineering in signaling and communications] Tekhnika bezopasnosti v khoziashtve signalizatsii i svyazi. Moskva, Transzheldorizdat, 1963. 143 p.
- EYSEEV, I. G. [Protection of CTC systems from atmospheric overvoltages] Zashchita ustroystv STsB ot atmosferykh perenapriazhenii. Moskva, Transzheldorizdat, 1963. 95 p.
- FEDORCHENKO, I. M. [Ceramic metal products in the national economy] Metallokeramicheskie vyrobki u narodnogo hospodarstva. Kyiv, 1962. 39 p. (Tovarystvo dlia poshyreniya politicheskikh i naukovykh znan' Ukrain'skoi RSR, Seriya 7, no. 7)
- FEDOROV, M. M. [Adjusting hoists during installation] Naladzka montiruemykh pod'emnykh mashin. Moskva, Gosorgtekhizdat, 1963. 343 p.
- FEDOTOV, I. A. [Towards microelectronics] Na puti k mikroelektronike. Moskva, Izd-vo "Znanie", 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika, no. 7)
- FILIPPOV, M. M., and others. [Oscillographic recording of super-high frequency oscillations] Ostsillografirovaniye kolebaniy sverkhvysokikh chastot. [By] A. N. Bukin, M. M. Filippov, A. E. Isaev. Pod red. M. M. Filippova. [Leningrad] Izd-vo Leningradskogo univ., 1963. 211 p.
- FRANTSEV, A. N. [Economy of materials and parts in car repairing] Ekonomiya materialov i detalei pri remonte vagonov. Moskva, Transzheldorizdat, 1963. 138 p.
- GARASEV, S. M. [Maintenance and repair of storage batteries] Eksploatatsiya i remont akkumulyatornykh batarei; posobie akkumulyatorshchiku. Izd. 2., perer. Moskva, Avtotransizdat, 1963. 70 p.
- GAVRILKO, V. M. [Screens for intake drainage and hydrogeological wells] Fil'try vodozabornykh, vodopozhizitel'nykh i gidrogeologicheskikh skvazhin. 2. izd. ispr. i dop. Moskva, Gosstroizdat, 1962. 399 p.
- [GEAR WHEELS OF MOTOR VEHICLES AND TRACTORS; design] Zubchatye kolea avtomobilov i traktorov; proektirovaniye i raschet. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniya BSSR, 1962. 394 p.
- GEL'FENBERG, L. G. [Regenerators of gas-turbine systems] Regeneratory gazoturbinnykh ustanovok. Moskva, Mashgiz, 1963. 177 p.
- GERB, M. A. [Compilation and reading of machinery drawings] Sostavleniye i chteniye mashinostroitel'nykh chertezheii. Moskva, Mashgiz, 1963. 218 p.

- GOBERMAN, G. E., and V. I. BYCHKOV. [Locks and hardware] Zamki i skoblyanye pribory. Moskva, Gosmestpromizdat, 1962. 168 p.
- GOLUBKOV, V. V., and K. N. MALAKHOV. [Mechanization of loading and unloading operations on foreign railroads] Mekhanizatsiya pogruchno-razgruchnykh rabot na zarubezhnykh zheleznnykh dorogakh. Moskva, Transzheldorizdat, 1963. 227 p.
- GORBATOV, V. M., P. I. MALIUTIN, and P. S. GNOVOI. [Fine grinding of meat] Tonkoe izmel'chenie miasa. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 12 p. (Tekhnicheskaya informatsiya) [MICROFILM]
- GORBATOV, V. M., ed. [All-Union Scientific Research Institute of the Meat Industry] Vsesoyuznyi nauchno-issledovatel'skiy institut miasnoi promyshlennosti. Moskva, Glavniyproekt pri Gosplane SSSR, 1959. 83 p. [MICROFILM]
- GORKI, INZHENERNO-STROITEL'NYI INSTITUT. [Testing structure and structural elements] Ispytaniye stroitel'nykh sooruzhenii i konstruktivnykh uchebno-metodicheskoe posobie dlya studentov zaochnogo fakul'teta. [Gor'ki, 1962] 120 p. [MICROFILM]
- GOROKHOVSKII, D. M., and others. [Motor vehicles manufactured at the Gorky Automobile Plant] Avtomobili Gor'kovskogo zavoda. [Gor'ki] Gor'kovskoe knizhnoe izd-vo, 1963. 390 p.
- GORSKOV, A. G., and N. N. LIUBIMOVA. [On blue roads; practice in airline passenger service] Na golubyykh dorogakh; iz opyta obeluzhivaniya passazhirov vozdušnogo transporta. Moskva, Gostorgizdat, 1962. 39 p.
- GOSUDARSTVENNYI PROEKTNO-KONSTRUKTOREKII I NAUCHNO-ISSEDOVATELSKII INSTITUT MORSKOGO TRANSPORTA. [Experience in the construction and use of oil ports and bunker storage in sea ports of foreign countries] Opyt stroitel'stva i ekspluatatsii neftegavanel i bunkerovoykh baz zarubezhnykh morskikh portov. Moskva, Otdel nauchno-tekhn. informatsii. Pt. 2. [Oil ports in foreign countries] Neftlyanye porty za rubezhom; obzor literatury. 1962. 191 p. [MICROFILM]
- GRISHINA, A. A., and N. A. SERGEEV. [Technology of women's coats] Tekhnologiya poshiva zhenskikh pal'to. Moskva, Rostekhtizdat, 1962. 231 p.
- GRISHKO, N. A., and A. V. SHEREMETEV. [VUS-12-2 auxiliary repeater stations] Vspomogatel'nye usilitel'nye stantsii VUS-12-2. Moskva, Svyaz'izdat, 1962. 62 p. (Lektsii po tekhnike svyazi)
- GROKHOL'SKII, N. F. [Reconditioning parts of machines and mechanisms by welding and building up] Vosstanovlenie detalей mashin i mekhanizmov svarkoi i naplavkoi. Moskva, Mashgiz, 1962. 274 p.
- GRUDINSKAYA, G. P. [Propagation of radio waves] Rasprostraneniye radiovoln; konspekt lektsii dlya vechernego otdeleniya radiotekhnicheskogo fakul'teta. Red. E. N. Vasil'ev. Moskva, Mosk. energeticheskii in-t, 1961. 169 p. [MICROFILM]
- GULEV, I. A. F., and A. A. KANDIL'IAN. [New developments in the freight operations of railroad stations and enterprises; work experience of the Kraenarmayskoe, Rodinskaya and Dobropol'ye Stations] Novoe v gruzovoi rabote stantsii i predpriyati; opyt raboty stantsii Kraenarmayskoe, Rodinskaya i Dobropol'ye. Moskva, Transzheldorizdat, 1963. 53 p.
- GURMAN, V. S. [Adjustment of UAZ motor vehicles] Regulirovka avtomobilei UAZ. Moskva, Avttransportizdat, 1963. 54 p.
- IABLOKOV, V. S., and others. [Atlas of coals of the Moscow Basin] Atlas uglei Podmoskovnogo basseina. Pod red. V. S. Iablokova. Tula, Tsentr. biuro tekhn. informatsii. Vol. 1. 1962. 195 p. Vol. 2. [Photographs of thin sections and samples of coals] Fotografii shlifov i obraztsov uglei. 1961. 56 tables.
- IA KOVLEV, V. A. [Water exclusion in air and gas drilling; drilling practices in foreign countries] Bor'ba s vodoprocavlenniami pri burenii skvazhin s produktivnoi zaboi; zarubezhnyi opyt. Moskva, Gostoptekhtizdat, 1962. 52 p.
- IANSON, A. I., and V. F. KACHAN. [Utilization of small wood waste from woodworking enterprises by means of gluing] Ispol'zovanie kuskovykh otkhodov derevoobrabatyvalushchikh predpriyati putem skleivaniia. Moskva, Goslesbumizdat, 1962. 101 p.
- IAREMENKO, D. S. [Handbook on accident prevention for the operator of a mechanical corrugating apparatus in the production of slate] Pamiatka po tekhnike bezopasnosti dlia operatora mekhanicheskogo volnirovshchika pri proizvodstve shifera. Moskva, Gosstrolizdat, 1963. 17 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)
- IAROTSKII, A. V. [Basic stages in the development of telegraphy; early history of electronic control and code-pulse techniques] Osnovnye etapy razvitiia telegrafii; razozhdeniye elektroavtomatiki i kodo-impul'snoi tekhniki. Moskva, Gosenergizdat, 1963. 79 p.
- IKONNIKOV, I. S. [Automobiles; their manufacture and export in capitalist countries] Avtomobili; proizvodstvo i vnehniala torgovlia kapitalisticheskikh stran. Moskva, Vneshtorgizdat, 1962. 202 p.
- INSTITUT TEKHNIChESKOI INFORMATSII I EKONOMICHESKII ISSEDOVANI PO NEFT'YANOI I GAZOVOI PROMYSHLENNOSTI. [Small and reduced diameter hole drilling] Opyt bureniya skvazhin umen'shennogo i malogo diametra. Moskva, GOSINTI, 1962. 139 p. (Seria: Burenie) [MICROFILM]
- [INSULATING OILS] Elektrolizatsionnye masla. [By] Ch. M. Dzhuvarly i dr. Moskva, Gostoptekhtizdat, 1963. 274 p.
- ISAEV, E. A. [Transistorized voltage converters] Poluprovodnikovyye preobrazovateli napriazheniya. Moskva, Voenizdat, 1962. 109 p.
- IVANOV, E. A., A. V. SHEPELEV, and E. V. LIALIN. [Pipelines in the chemical industry] Truboprovody v khimicheskoi promyshlennosti. Moskva, Mashgiz, 1963. 427 p.
- IVANOV, I. V. [Fundamentals of the calculation and design of gas burners] Osnovy rascheta i proektirovaniia gazovykh gorelok. Moskva, Gostoptekhtizdat, 1963. 359 p.
- IVCHENKO, E. G., and G. V. SEVAST'YANOVA. [Types of sour petroleum in Bashkiria] Serniatye i vysokoserniatye nefli Bashkirskoi ASSR; spravochnaia kniga. Moskva, Gostoptekhtizdat, 1963. 232 p.
- JAKUSEVS, A. [Principles of interchangeability and technical measurements] Saystarpejas apmainamibas pamati un tehniks morisana. Riga, Latvijas Valsts izdevnieciba, 1962. 368 p. [In Latvian]
- [K-1920 HIGH-FREQUENCY TELEPHONE SYSTEM] Sistema vysokochastotnogo telefonirovaniia K-1920; informatsionnyi sbornik. [By] A. S. Blokhin i dr. Moskva, Svyaz'izdat, 1962. 319 p. (Tekhnika svyazi)
- KALAFATI, D. D. [Thermodynamic cycles of atomic electric power plants] Termodinamicheskie tsikly atomnykh elektrostantsii. Moskva, Gosenergizdat, 1963. 279 p.
- KALINKO, M. K. [Methods for studying the reservoir properties of coals] Metodika issledovaniia kolektorskikh svoystv kervov. Moskva, Gostoptekhtizdat, 1963. 223 p.
- KALININS, M. M. [Laying linoleum; procedure and materials] Naistika linoleuma; stroitel'stvo i stroitel'nye materialy. Riga, Tsentr. biuro tekhn. informatsii, 1962. 28 p. (Listok tekhnicheskoi informatsii) [MICROFILM]
- KAPUSTIN, E. A., and G. M. GLINKOV. [Flow of gases in open-hearth furnaces] Dvizheniye gazov v martenovskikh pechakh. Moskva, Metallurgizdat, 1963. 270 p.
- KARELIN, V. IA. [Cavitation phenomena in centrifugal and axial-flow pumps] Kavitatsionnye yavleniya v tsentrobzhezhnykh i osevykh nasosakh. Moskva, Mashgiz, 1963. 255 p.
- KARTASHOV, A. K. [New methods for the purification of diffuser juices] Noveye metody oshchistki diffuzionnogo soka. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 30 p. [MICROFILM]
- KARTSEV, A. A. [Hydrogeology of oil and gas fields] Gidrogeologiya neflianykh i gazovykh mestorozhdenii. Moskva, Gostoptekhtizdat, 1963. 353 p.
- KASATKIN, I. I. [Handbook for heating engineers of industrial enterprises] Spravochnoe posobie dlia teploekhnikov promyshlennykh predpriyati. Minsk, Gostizdat BSSR, 1963. 303 p.
- KASPER, M. A. [Mechanization of the conveying and feeding of parts by means of vibratory devices] Mekhanizatsiya transportirovki i zagruzki detalей vibratsionnymi ustroistvami. Minsk, Gos. izd-vo BSSR, 1962. 76 p.
- KASPEROVICH, E. K. [Specialization and cooperation in the machinery industry of the White-Russian SSR] Spetsializatsiya i kooperirovaniye v mashinostroeni Belorusskoi SSR. Minsk, Izd-vo Akad. nauk BSSR, 1962. 264 p. [MICROFILM]
- KATANAIEVA, V. P. [Capron in machinery manufacture] Kapron v mashinostroeni. Irkutsk, Irkutskoe knizhnoe izd-vo, 1961. 39 p.
- KATSMAN, M. M. [Laboratory work on electric machines and transformers] Laboratornye raboty po elektricheskim mashinam i transformatoram. [Moskva] Rosvuzizdat, 1963. 90 p.
- KAUFMAN, M. S., A. A. KUZNETSOVA, and I. A. KIRUNICHEV. [Manufacture of spirals, grids, and loads of electronic vacuum devices] Proizvodstvo spiralei, setok i vvodov elektronnykh priborov. Moskva, Gosenergizdat, 1962. 262 p.
- KAZARINOV, V. M., P. T. GREDENIUK, and E. V. KLYKOV. [Methods for braking analysis calculations] Metody tormoznykh raschetov. Moskva, Transzheldorizdat, 1962. 66 p.
- KHANIN, A. A. [Residual water in oil and gas reservoirs] Ostatochnaya voda v kolektorakh nefli i gaza. Moskva, Gostoptekhtizdat, 1963. 207 p.
- KHIMKI, TSENTRAL'NYI NAUCHNO-ISSEDOVATELSKII INSTITUT MEKHANIZATSII I ENERGETIKI LESNOI PROMYSHLENNOSTI. [Specifications for checking and sorting parts of MAZ-200 and MAZ-501 motor trucks] Tekhnicheskie uslovia na kontrol' i sortirovku (razbrakovku) detalей avtomobilei MAZ-200 i MAZ-501. Moskva, Goslesbumizdat. Pt. 2. [Chassis of the MAZ-200 motor truck (except the engine)] Shassi avtomobilia MAZ-200 (krome dvigatelya). 1963. 214 p.
- KHIMKI, TSENTRAL'NYI NAUCHNO-ISSEDOVATELSKII INSTITUT MEKHANIZATSII I ENERGETIKI LESNOI PROMYSHLENNOSTI. [Technological processes in restoring (repairing) the worn parts of the "Druzhba-60" gasoline engine saws] Tekhnologicheskie protsessy vosstanovleniya (rameniia) iznoshavshiesia detalей benzinomotornoi pily "Druzhba-60." Moskva, Goslesbumizdat, 1962. 73 p.
- KHISHCHUK, A. A., and others. [Practice of constructing headframes] Opyt stroitel'stva bashennykh korpov. Moskva, Gosgortekhtizdat, 1963. 62 p.
- KHOKHRIAKOV, V. E. [Planning and organizing truck transportation in open-pit mines] Proektirovaniye i organizatsiya raboty kar'ernogo avtotransporta. Moskva, Gosgortekhtizdat, 1963. 166 p.
- KIPENS, R. [Radio physics] Radiofizika. Riga, Latvijas Valsts izdevnieciba, 1962. 281 p. [In Latvian]
- KLEBANOV, M. K., ed. [Automation of machine tools] Avtomatizatsiya metallorazhushchikh stankov. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1961. 93 p. [MICROFILM]
- KLUCHEROV, A. P., and others. [Work experience of Novotagil'skoye steel smelters] Opyt raboty Nizhe-tagil'skikh staloplavil'shchikov. Sverdlovsk, Metallurgizdat, 1963. 93 p.
- KOBRIN, M. M. [Strength of rotating disks] Prochnost' vrashchalushchikhsia diskov. Leningrad, Sudpromiz, 1963. 339 p.
- KOGAN, B. IA. [Electronic analog computers and their use in the study of automatic control systems] Elektronnyye modelirovushchie ustroistva i ikh primeneniye dlia issledovaniia sistem avtomaticheskogo regulirovaniia. Izd. 2., ispr. i dop. Moskva, Fizmatgiz, 1963. 510 p.

- KOLOSOV, S. P. [Elements of aircraft automatic control systems] Elementy aviatsionnykh avtomaticheskikh ustroystv. Izd. 2, perer. i dop. Moskva, Oborongiz, 1963. 462 p.
- KONFERENTSIYA PO RAZRABOTKE ULUCHSHENNYKH METODOV PROIZVODSTVA I STABILIZATSII POLUSLADKIKH VIN, Moscow, 1961. [Methods for the manufacture and stabilization of semisweet wines] Metody proizvodstva i stabilizatsii polosladkikh vin; sbornik dokladov. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshli., 1962. 40 p. [MICROFILM]
- KONOVALOV, V. S., and S. A. STEFANENKO. [Mechanization and automation of intrafactory transportation in machinery plants] Mekhanizatsiya i avtomatizatsiya vnutrizavodskogo transporta mashinostroitel'nykh zavodov. Moskva, TSINTIMASH 1961. 98 p.
- KOPYLOV, N. G. [Theory of shaking conveyors] Teoriya kachushchikh konveierov. Moskva, Mashgiz, 1963. 126 p.
- KOREPANOV, S. [Zone of the blue flame] Zona golubogo ognia. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 46 p. [MICROFILM]
- KORIAKIN, V. I. [Thermal decomposition of wood] Termicheskoe razlozhenie drevesiny. Izd. 2, perer. i dop. Moskva, Goslesbumizdat, 1962. 293 p.
- KORNEEV, N. I., and I. G. SKUGAREV, eds. [Precision forging of parts from high-alloy steels and alloys] Tchnol. shimpovka detal' iz vysokolegirovannykh stali i splovov; sbornik statei. Moskva, Oborongiz, 1963. 126 p.
- KOROTKOV, S. N., S. M. KRAVCHENKO, and S. S. SUBBOTIN. [Manufacture of custom-made outerwear] Izgotovlenie verkhnei odezhdy po individual'nym zakazam. Moskva, Gostorgizdat, 1963. 301 p.
- KOROTKOV, V. G. [Refinement of cast aluminum alloys] Rafinirovanie litnykh aluminovykh splovov. Moskva, Mashgiz, 1963. 126 p.
- KOROVIAKOVSII, I. G., and others. [Electric power supply of lumbering enterprises] Elektroanalizatsiya besozagotovitel'nykh predpriyatii. Pod obshch. red. I. G. Korovikovskogo. Moskva, Goslesbumizdat, 1962. 171 p.
- KORZHAVIN, K. N. [Effect of ice on engineering structures] Vozdeistvie l'da na inzhenernye sooruzheniya. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1962. 202 p.
- KORZHINSKII, G. P. [Conversion tables of the relative density of petroleum products] Tablitsa poroshchela otsetial'noi plotnosti nefteproduktov. Moskva, Gos- top-tekhnizdat, 1962. 19 p.
- KOSHIKA, A. P. [Journey of a steel strip] Puteshestvie stal'noi lent. [Lipetsk, Lipetskoe knizhnoe izd-vo, 1962] 30 p. [MICROFILM]
- KOS'KOV, B. I. [Field work in traverse surveying of cities] Gorodskaya poligonometriya; polevoye raboty. Izd. 2, ispr. i dop. [Moskva] Geodezizdat, 1962. 236 p.
- KOSSAKOVSKII, V. A., and O. I. RZHEKHINA. [Student dormitories abroad] Studencheskie obshchestva za rubezhom. Moskva, Gos. izd-vo lit-ry po stroit., arkh. i stroit. materialam, 1963. 80 p.
- KOVALENKO, A. F. [Salt efflorescence on brick and ways to control it] O soleyvnykh vyvetakh na klypche i mery bor'by s nimi. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 68 p.
- KOZAROVITSKII, L. A. [Basic characteristics of chalk overlay paper for printing and methods for their control] Osnovnye svoystva melovannoi bumagi dlia pechatii i metody ikh kontrolya. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatvayushchei promyshli., 1962. 147 p. [MICROFILM]
- KOZENKO, A. B., A. K. ZONTOV, and V. S. KOPTSOV. [Automated continuous production line for the manufacture of fiberboards] Avtomatizirovannaya potochnaya linia dlia proizvodstva fibrolitovykh plit. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatvayushchei promyshli., 1962. 68 p. [MICROFILM]
- KOZLOV, V. SH., and A. A. DYKHOVICHNYI. [Design of reinforced-concrete elements; mechanical methods] Raschet zhelezobetonnykh konstruktiv; mekhanizirovannyye metody. Kiev, Gosstroizdat USSR, 1963. 493 p.
- KOZLOVSKAYA, A. A. [Insulating materials for protecting pipelines from corrosion] Izolatsionnye materialy dlia zashchity magistral'nykh truboprovodov ot korrozii. Moskva, Gosoptekhnizdat, 1962. 150 p.
- KRASOV, I. M. [Hydraulic elements in automatic control systems] Gidravlicheskie elementy sistem avtomaticheskogo regulirovaniya. Moskva, Mashgiz, 1963. 180 p.
- KRIUCHKOV, V. F., and V. A. NIKOL'SKII. [This is what the telephone operator of railroad transportation should know] Chto dolzhna znat' telefonistka transportnoi svyazi. Moskva, Transzheldorizdat, 1963. 126 p.
- KRIVENKO, I. A., and others. [Organization of rhythmic operations on railroads; experience of the Donetsk Railroad] Organizatsiya ritmichnoi raboty dorogi; opyt Donetskoi zh. d. Moskva, Transzheldorizdat, 1963. 71 p.
- KRIVORUCHENKO, V. V., and M. A. KOROBOV. [Heat and power balance of aluminum and magnesium electrolyzers] Teplovy i energeticheskie balansy aluminovykh i magnitovykh elektrolizero. Moskva, Metallurgizdat, 1963. 319 p.
- KRIVOSHEEV, M. I. [Methods for evaluating and measuring linear and nonlinear distortions in a video channel] Sposoby otsenki i izmereniya lineinykh i nelineinykh iskazhenii, voznikayushchikh v videokanale; lektsiya dlia studentov-zachnikov. Moskva, Redaktsionnyi otdel VZES, 1961. 95 p.
- KROLIK, Z. M. [Fundamentals of materials' study and repair work] Osnovy materialovedeniya i remonnogo dela; metodicheskoe posobie dlia prepodavatelei i masterov stol'skikh professional'no-tekhnicheskikh uchilishch. Moskva, Proftekhizdat, 1962. 168 p.
- KRYLOV, A. V. [Single-screw pumps] Odnovintovyye nasyosy. Moskva, Gosoptekhnizdat, 1962. 153 p.
- KUCERA, JAROSLAV, and JOSEF HAPL. [Windings of rotary machines] Obmotki elektricheskikh vrashchatel'nykh mashin. Prague, Izd-vo Chekhoslovatskoi akad. nauk, 1963. 981 p.
- KUIDYSHEVSKII SEL'SKOKHOZIAISTVENNYI INSTITUT. Kafedra "Traktory i avtomobili." [Theory of piston internal-combustion engines] Teoriya porshnevnykh dvigatelo vnutrennego sgoraniya; metodicheskoe posobie. Sost. F. P. Voloshenko, Kuliyashev, 1962. 239 p. [MICROFILM]
- KULIKOVSKII, P. K., and A. D. SHUSTOV. [Electric drive for machinery in the cellulose and paper-making industry] Elektropriivod mashin tselulozno-bumazhnoi promyshlennosti. Moskva, Gosenergoizdat, 1962. 371 p.
- KUNNOS, G. J., and A. M. SKUDRA. [Theory and practice of the vibration mixing of concrete] Teoriya i praktika vibromeshivaniya betonnykh smesei. Riga, Izd-vo Akad. nauk Latvskoi SSR, 1962. 216 p.
- KURLOV, E. N., and L. A. SINITSKII. [Frequency dependence of rectifier networks] Chastotnoye zavisimosti vypryamitel'nykh skhem. Kiev, Izd-vo Akad. nauk USSR, 1963. 97 p.
- KUSHAKOVSKII, L. N. [Air has to be clean] Vozdukh dolzhen byt' chistym. Moskva, Medgiz, 1963. 63 p. (Nauchno-populiarnaya meditsinskaya literatura)
- KUSHUL', M. IA. [Natural vibrations of rotors; dynamics of high-speed spindles] Avtokolebaniya rotorov; dinamika bystrokhodnykh vereten. Moskva, Izd-vo Akad. nauk SSSR, 1963. 164 p.
- KUSOV, E. F. [Electromechanical characteristics of a drive capacitor motor for an electric mine locomotive with a hydrostatic transmission] Elektromekhanicheskie kharakteristiki privodnogo kondensatornogo dvigatela rudnichnogo elektrovosa s gidrostaticheskoi peregachel. Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1962. 24 p. [MICROFILM]
- KUVYKIN, S. I., and N. F. KAGARMANOV. [Diamond drilling of oil wells] Almaznoe burenie naftnykh skvazhin. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 103 p. [MICROFILM]
- KUZNETSOV, V. I. [Chemical principles of the extraction-photometric methods of analysis] Khimicheskie osnovy ekstraktsionno-fotometricheskikh metodov analiza. Moskva, Gosoptekhnizdat, 1963. 41 p.
- LABRENCIS, V., and J. ODINS. [Tables for the calculation of earthwork with trapezoidal and trapezoidal-parabolic cross sections] Tablitsy dlia rascheta zemlianykh rabot pri trapetsoidal'noi i trapetsoidal'-no-parabolicheskoi forme poperechnykh sechenii. Riga, Latvskoe gos. izd-vo, 1963. 236 p.
- LANGUROV, I. Z., and K. I. ZAVADSKII. [Organization of the transportation of bulk liquid cargo] Organizatsiya perevozok nallivnykh gruzov. Moskva, Transzheldorizdat, 1963. 260 p.
- LANTSBURG, I. A. B. [Handbook for the young excavator operator] Spravochnik molodogo mashinista ekskavatora. Moskva, Proftekhizdat, 1962. 253 p.
- LASHKAREV, G. V., A. M. TARANETS, and V. S. FOMENKO. [New sources of electric energy] Novey istochniki elektricheskoi energii. Kiev, Izd-vo Akad. nauk USSR, 1962. 85 p. (Nauchno-populiarnaya literatura)
- LASHKO, N. F., and S. V. LASHKO. [Some problems in connection with the weldability of metals] Nekotorye problemy svariyaemosti metallov. Moskva, Mashgiz, 1963. 289 p.
- LASTOCHIKIN, V. S. [Providing for winter earthwork with cohesive soil by artificial salinization] Obespechenie proizvodstva zemlianykh rabot so svyaznymi gruntami v zimnee vremya putem iskusstvennogo ikh zasolnitsa. Irkutsk, Irkutskoe knizhnoe izd-vo, 1962. 62 p.
- LEBEDEVA, L. S. [Use of corrosion inhibitors in railroad transportation] Primenenie inhibitorov korrozii na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962. 23 p.
- LEIBOV, B. M. [Methodology of determining the resistance of coals to cutting from the results of mechanical tests of specimens of random shape] Metodika opredeleniya soprotivlenosti uglei rezaniyu po rezul'tatam mekhanicheskikh ispytaniy obraztsov proizvol'noi formy. Moskva, Institut gornogo dela im. A. A. Skochinskogo, 1962. 27 p. [MICROFILM]
- LETUNOV, V. S. [Vessels on an air cushion] Suda na vozdukhnoi podushke. Moskva, Izd-vo "Morskoi transport," 1963. 47 p.
- LEVIN, I. IA. [Handbook for the designer of precision instruments] Spravochnik konstruktora tochnykh priborov. 2. izd. Moskva, Oborongiz, 1962. 727 p.
- LEVONIK, B. S. [Economic geology] Voprosy ekonomicheskoi geologii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 335 p.
- LIANDRES, Z. O. [Determining the dimensions and volumes of the foundations and embankments of steel tanks] Opredelenie razmerov i ob'emov osnovaniy i obvalovaniy stal'nykh rezervuarov. Moskva, Gosoptekhnizdat, 1963. 45 p.
- LIAPUNOV, A. A., O. B. LUPANOVA, and N. N. RIKKO, eds. [Collection of translations on cybernetics] Kiberneticheskie sborniki; sbornik perevodov. Moskva, Izd-vo inostr. lit-ry. No. 4. 1962. 255 p.
- LIBERMAN, L. IA. [Materials used in the manufacture of power machinery] Materialy, primenyaemye v energomashinostroenii. Moskva, TSINTIMASH, 1961. 181 p.
- LIPOVETSKII, M. A. [Concrete pumps and their use in hydraulic engineering construction] Betononasosy i ikh primeneniye v gidroenergeticheskoi stroitel'stve. Moskva, Gosenergoizdat, 1963. 182 p.
- LISIN, A. S. [Laboratory manual on the maintenance of motor vehicles] Laboratornyi praktikum po tekhnicheskoi obsluzhivaniyu avtomobilei. Moskva, Avto-transportizdat, 1962. 162 p.
- LITVAK, L. K. [Modern methods for drop forging] Sovremennyye metody gorlochei shlampovki. Moskva, Proftekhizdat, 1963. 193 p.
- LITVIN, A. M. [Engineering thermodynamics] Tekhnicheskaya termodynamika. Izd. 4, perer. i dop. Moskva, Gosenergoizdat, 1963. 311 p.
- LITVIN-SEDOV, M. Z. [Introduction to the mechanics of a controlled flight] Vvedeniye v mekhaniku upravlyаемogo poleta. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 211 p.

- LOITSANSKAYA, M. S. [Microbiological foundations of the production of vinegar] Mikrobiologicheskie osnovy proizvodstva ukusa. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 35 p.
[MICROFILM]
- LOVACHEVA, G. N., and others. [Technical and chemical inspection in public eating facilities] Tekhnokhimicheski kontrol' v predpriyatiakh obshchestvennogo pitaniya. Pod red. D. I. Lobanova. Moskva, Gosstroiizdat, 1962. 165 p.
- MAKULIN, I. S. [Handbook on accident prevention for the timberer in underground stone quarrying] Pamiatka po tekhnike bezopasnosti dlia krepl'shchika pri podzemnoi dobyche kamnia. Moskva, Gosstroiizdat, 1962. 18 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)
- MANVELIAN, M. G., and others. [Electric glass foundry] Elektrovarka stekla. Erevan, Armianskoe gos. izd-vo, 1962. 221 p.
- MARKOV, L. I., G. V. ISTOMIN, and G. I. KRESTIN. [Guzeripl Logging Camp] Guzeripl'skiy lespromkhoz. [n. p.] TSentr. nauchno-issl. in-t mekhanizatsii i energetiki lesnoi promyshl. 1962. 5 p. [With summary in English]
[MICROFILM]
- MARKOVICH, N. M., I. F. BORISOV, and B. L. SHAVKUN. [Practices of introducing and using combination drills. The BU-1] Opyt vnedreniya i ekspluatatsii buril'noi vrashchatel'no-udarnoi ustanovki, BU-1. Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962. 27 p. (Serii: "Stroitel'stvo i rekonstruktsiya ugol'nykh predpriyatiy." "Tekhnologiya i ekonomika nadzemnoi dobychi uglia.")
[MICROFILM]
- MARKVARDT, G. G. [Design and operation of contact network suspension systems] Ustoviya raboty i raschet kontaktnoi podveski; uchebnoe posobie po disipline "Kontaktная сет'" dlia studentov IV kursa spetsial'nosti "Elektrifikatsiya zhelezнодорожного transporta." Moskva, Vses. zaочnyi in-t inzhenerov zhelezn. transporta, 1962. 85 p.
- MASLOBOEV, G. I. A. [Screw threads and threaded articles] Rez'by i rez'bovye izdeliya. [n. p.] Rosvuzizdat, 1962. 52 p.
[MICROFILM]
- [MECHANIZING THE PREPARATION OF PEAT DEPOSITS FOR WINNING PEAT] Mekhanizatsiya podgotovki torfiannykh mestorozhdenii dlia dobychi torfa. [By] L. P. Kudimov, I. U. D. Kuskov i K. E. Safonov. Moskva, Gosenergoizdat, 1962. 350 p.
- MEDOVAR, B. I., and others. [Electric slag remelting] Elektroslakovyi pereplav. Pod red. B. E. Patona. Moskva, Metallurgizdat, 1963. 169 p.
- MEKHANNIKOVA, T. T. [Use of keramzit in rural construction] Primenenie keramzita v sel'skom stroitel'stve. Krasnolarsk, Krasnolarskiy sovet nauchno-tekhn. obshchestv NTO Stroindustrii, 1962. 31 p.
[MICROFILM]
- MERTVISHCHEV, I. U. I. [Use of synthetic fibers in the felt industry] Ispol'zovanie iskusstvennykh volokon v valil'no-vochnoi promyshlennosti. Moskva, Rostekhtizdat, 1963. 115 p.
- MIKHAILOVSKII, N. M. [Lengthening the service life of cotton machinery] Pakhtachilik mashinatarining ishga chidamilligini oshirish. Toshkent, Uzbekiston SSR davlat nashriyati, 1962. 87 p. [In Uzbek]
- MIKHAILOVSKII, M. G., V. D. BEZPALOV, and V. G. GUREVICH. [Sizing and dressing of sand for construction] Fraktsionirovaniye i obogashcheniye stroitel'nykh peskov. Leningrad, Gosstroiizdat, 1963. 87 p.
- MIKHAILOVSKII, S. P. [Handbook on safety engineering for the mechanic working on equipment at the mine surface] Pamiatka po tekhnike bezopasnosti dlia slesaria-montazhnikha po oborudovaniyu shakhtnoi poverkhnosti. Moskva, Gosstroiizdat, 1962. 33 p. (Tekhnika bezopasnosti v stroitel'stve)
- MINSK, NAUCHNO-ISSLEDOVATEL'SKII INSTITUT STROITEL'NYKH MATERIALOV UPS i SNKh BSSR. [Building materials made of local raw materials] Stroitel'nye materialy iz mestsogo syria. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniya BSSR, 1962. 199 p.
[MICROFILM]
- MIRKIN, M. S. [Technological processes in machining parts with deep and narrow grooves] Tekhnologiya obrabotki detalei s glubokimi i uzkiimi pazami. Moskva, Mashgiz, 1963. 128 p.
- MIROSHNICHENKO, N. S. [Oxygen-converter production of steel] Kislorodno-konvertornoe proizvodstvo stali. Moskva, Metallurgizdat, 1963. 36 p.
- MITROFANOV, V. P. [Life-giving waters of the Kuban; construction of the Kuban-Kalaus Irrigation and Water Supply System] Zhivitel'nye vody Kubani; o stroitel'stve Kuban'-Kalausskoi obvoditel'no-orositel'noi sistemy. Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1962. 39 p.
- MOROZOV, N. A., and K. K. ARSEN'EV. [Manufacture of bent and glued blocks for furniture parts] Izgotovleniya gnutokleennykh blokov dlia detalei mebeli. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatvalushchei promyshl., 1962. 34 p.
[MICROFILM]
- MOROZOVA, G. P. [Knitting machines for the manufacture of artificial fur and other pile fabrics] Trikotazhnye mashiny dlia vyrabotki iskusstvennogo mekha i drugikh vrsovykh materialov. Moskva, TSentr. biuro tekhn. informatsii, 1962. 22 p. (Seria XII: Mashinostroeniye za rubezhom)
[MICROFILM]
- MOSCOW, EKSPERIMENTAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT METALLOREZHUISHCHIKH STANKOV. [Standard design for the modernization of the 2118 upright drilling machine] Tipovoi projekt modernizatsii vertikal'no-sveril'nogo stanka modeli 2118. Moskva, Mashgiz, 1962. 90 p.
[MICROFILM]
- MOSCOW, EKSPERIMENTAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT METALLOREZHUISHCHIKH STANKOV. [Survey of technological developments in the manufacture of machine tools abroad; grinding machines] Obzor tekhnicheskogo razvitiya zarubezhnogo stankostroeniya; sblifoval'nye stanki. Moskva, 1960. 116 p.
- MOSCOW, GORNYYI INSTITUT. [Curves on surfaces, their intersections and evolutes; text for correspondence students] Krivye poverkhnosti, ikh peresecheniye i razvertki; uchebnoe posobie dlia studentov-zaochnikov. Moskva, 1961. 31 p.
[MICROFILM]
- MOSCOW, INSTITUT GORNOGO DELA IMENI A. A. SKOCHINSKOGO. [Texts of reports read at the conference of young scientists] Tezisy dokladov na konferentsii molodykh uchennykh. Moskva, No. 1. [Problems in boring and working mineral resources: economics, safety, and mechanization in mining operations] Voprosy vskrytiya i razrabotki poleznykh iskopaemykh, ekonomiki, bezopasnosti i mekhanizatsii gornyykh rabot. 1962. 62 p.
[MICROFILM]
- MOSCOW, INSTITUT GORNOGO DELA IMENI A. A. SKOCHINSKOGO. [Texts of reports read at the session of the committee on problems in using mathematical methods and computer techniques in mining] Tezisy dokladov i soobshchenii na sessii uchenogo sojeta po voprosam primeneniya matematicheskikh metodov i vychislitel'noi tekhniki v gornom dele. Moskva, No. 1. 1962. 64 p.
[MICROFILM]
- MOSCOW, Pervyy MEDITSINSKIY INSTITUT. [Methods of determining sanitary conditions of discharging sewage into bodies of water] Metodika opredeleniya sanitarnykh uslovii spuska v vodoemy stochnykh vod; uchebnoe posobie k prakticheskim zaniatiyam. Moskva, 1962. 50 p.
[MICROFILM]
- MOSCOW, TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAYA BIBLIOTEKA LESNOI I BUMAZHNOI PROMYSHLENNOSTI. [Artificial drying of wood; bibliographical index of Soviet literature for 1950-1957] Iskusstvennaya sushka drevesiny; bibliograficheski ukazatel' otechestvennoi literatury za 1950-1957 gg. Moskva, Goslesbumizdat, 1959. 32 p.
- MOSCOW, TSENTRAL'NAIA NAUCHNO-TEKHNICHESKAYA BIBLIOTEKA LESNOI I BUMAZHNOI PROMYSHLENNOSTI. [Mechanization and electrification of lumbering; bibliographical index of Soviet literature for 1922-1957] Mekhanizatsiya i elektrifikatsiya lesozagotovok; bibliograficheski ukazatel' otechestvennoi literatury za 1922-1957 gg. Moskva, Goslesbumizdat, 1959. 20 p.
- MOSCOW, TSENTRAL'NOE BIURO PROMYSHLENNYKH NORMATIVOV PO TRUDU. [Methodological instructions for checking general norms used in the machinery industry] Metodicheskie ukazaniya po proverke obshchemashinostroyitel'nykh normativov. Moskva, 1961. 9 p.
[MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT INFORMATSII TSVETNOI METALLURGII. [Copper industries in capitalist countries] Mednaya promyshlennost' kapitalisticheskikh stran. Moskva, Pt. 1. [Mining and treatment of copper ores] Dobycha i obogashcheniye mednykh rud. 1962. 171 p.
[MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII BUMAZHNOI I DEREVOOBRABATVAYUSHCHEI PROMYSHLENNOSTI. [Producing wood fiberboards] Proizvodstvo drevesnovochnistyykh plit; sbornik statei. Moskva, 1962. (Bumaga i tselluloza)
[MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII MASHINOSTROENIYA. [Development of structural elements of grinding machines abroad] Razvitiye elementov konstruktivnykh shlifoval'nykh stankov za rubezhom; obzor. Moskva, 1961. 47 p.
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [New equipment of canned milk plants in foreign countries] O novom oborudovanii molokokonservnykh zavodov za rubezhom. Moskva, 1962. 21 p.
[MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Pigmentation of salt meat products and its prevention] Pigmentatsiya solenyykh miasoproduktov i ee preduprezhdeniye. Moskva, 1961. 25 p.
[MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Production of shortenings and their use in the manufacture of pastry] Poluchenie shortinov i primeneniye ikh pri proizvodstve konditerskikh izdelii. Moskva, 1962. 28 p. (Tekhnicheskaya informatsiya)
[MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Testing new equipment for the manufacture of sausage] Ispytaniye novogo oborudovaniya kolbasnogo proizvodstva. Moskva, 1962. 87 p.
[MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Use of radioisotope methods for control in the food industry] Radioizotopnye metody kontrolya v pishchevoi promyshlennosti. Moskva, 1962. 48 p.
[MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNICHESKOI INFORMATSII PISHCHEVOI PROMYSHLENNOSTI. [Yeast industry of the U. S. S. R.] Drozhzhevalnaya promyshlennost' SSSR. Moskva, 1961. 89 p.
[MICROFILM]
- MOSCOW, TSENTRAL'NYI INSTITUT TEKHNICHESKOI INFORMATSII I EKONOMICHESKIKH ISSLEDOVANIY PO LESNOI, BUMAZHNOI I DEREVOOBRABATVAYUSHCHEI PROMYSHLENNOSTI. [Equipment for the manufacture of wallpaper] Oborudovaniye dlia proizvodstva oboev. Moskva, 1962. 49 p.
[MICROFILM]
- MOSCOW, TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT SPIRTOVOI I LIKERO-VODOCHNOI PROMYSHLENNOSTI. [Formulas for liqueur, fruit liqueur, punch, dessert beverages, herb infusions, and instructions for the preparation of semiprocessed products for their manufacture] Retseptury likerov, nalivok, punchel, desertnykh napitkov, nastoev i instruktsiya po prigotovleniyu polufabrikatov k nim. Moskva, Pishchepromizdat, 1962. 221 p.
[MICROFILM]

- MOSCOW. VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAFI. [Collection of abstracts of scientific works of the All-Union Scientific Research Institute of Maritime Fisheries and Oceanography; technology and mechanization] Sbornik annotatsii nauchnykh rabot VNIRO; tekhnologiya i mekhanizatsiya. Moskva, Rybnoe khoziazstvo, 1962. 49 p.
- MOSCOW. VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NOVIKH STROITEL'NYKH MATERIALOV. [Catalog of finishing materials and articles] Katalog otdelochnykh materialov i izdelii. Pod red. M. P. Makotinskogo. [Moskva] Gosstroizdat. Pt. 1. [Plastics; polymer finishing materials and articles] Plastmassy; polimernye otdelochnye materialy i izdelia. 1962. 110 p.
- MOSCOW. VSESOUZNYI ZAOCHNYI ENERGETICHESKII INSTITUT. Kafedra avtomaticheskogo kontrolia i regulirovaniia. [Manual for the course on computer equipment and apparatus; electronic analog computers] Uchebnoe posobie po kursu: Schetno reshashchie pribory i ustroistva; elektronnoye modelirovaniie ustroistva. Moskva, 1962. 75 p. [MICROFILM]
- MOSCOW. VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR. [Advanced tools designed by innovators of industry] Progressivnyi instrument novatorov proizvodstva. Moskva. No. 1. [Cutting tools, mandrels, chucks] Reztsey, opravki, patrony. 1962. 28 p. No. 2. [Drills, reamers, cutters, henda, broaches and chucks] Sverla, razvertki, frezy, golovki, protiazhki i patrony. 1962. 39 p. [MICROFILM]
- MOSCOW (Province). Oblastnoi soviet narodnogo khoziaistva. [Experiments in the improvement of the technology of wool and silk manufacture] Opyt sovershenstvovaniia tekhnologii sherstianogo i shelkovogo proizvodstva; sbornik statei. Moskva, TSentr. biuro tekhn. informatsii, 1962. 55 p. [MICROFILM]
- MOSKALENKO, A. Z. [Lights on the headframes; story of a mine of communist labor] Vozni na koprahki; razpovid' pro shakhtu komunistichnoi pratsi. Kyiv, Derzhpolityvdav, URSR, 82 p.
- MOSKALENKO, V. A. [Mechanisms] Mekhanizmy. Moskva, Mashgiz, 1963. 238 p.
- MOSKOVSKII DOM NAUCHNO-TEKHNIЧЕСКОИ PROPAGANDY IMENI F. E. DZERZHINSKOGO. [Correspondence seminar on "The use of plastics in the machinery industry"] Zaochnyi seminar "Primenenie plasticheskikh mass v mashinostroeni." Moskva. No. 4. [Some new types of plastics] Nekotorye novye vidy plastmass. 1961. 111 p. [MICROFILM]
- MOSKVIN, V. M., and G. S. ROIK. [Concrete corrosion caused by the action of cement alkalis on the silicon in the aggregate] Korrozia betona pri deistvii shchelochnoi tsEMENTA na kremnezemnyi zapolnitel'. Moskva, Gosstroizdat, 1962. 102 p.
- MURZIN, I. K. [Metal substitutes for repairing equipment] Zamena metallov pri remonte oborudovaniia. Moskva, Mashgiz, 1963. 73 p.
- NAGULA, G. E., V. S. KALISSKII, and A. I. MANZON. [Manual for automobile drivers of the third grade] Uchebnik shofera tret'ego klassa. Izd. 5. Alma-Ata, Kazgosizdat, 1962. 445 p.
- [NAMED AFTER VLADIMIR IL'ICH] Imeni Vladimira Il'icha. Moskva, Mosk. rabochii, 1962. 510 p.
- NAUCHNO-TEKHNIЧЕСКАЯ КОНФЕРЕНЦИЯ ПО ВОПРОСАМ ИНТЕНСИФИКАЦИИ ПРОИЗВОДСТВА КОЛБАСНЫХ И КУЛИНАРНЫХ ИЗДЕЛИЙ. Moscow, 1961. [Increasing the production capacity in the manufacture of sausage and culinary goods] Intensifikatsiia proizvodstva kolbasnykh i kulinarnykh izdelii; materialy. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 67 p. [MICROFILM]
- NAUCHNO-TEKHNIЧЕСКИЙ СЕМИНАР "МЕХАНИЗАЦИЯ, АВТОМАТИЗАЦИЯ, ПРОГРЕССИВНАЯ ТЕХНОЛОГИЯ В ТКАТСКОМ ПРОИЗВОДСТВЕ И НОВЫЙ АССОРТИМЕНТ ТКАНЕЙ." 1962. [Materials of the Scientific and Technical Seminar on the "Mechanization, Automation and Advanced Technology in Weaving and the New Assortment of Textile Fabrics"] Materialy seminar. Moskva, Ob-vo po rasprostraneniio polit. i nauchn. znaniia RSFSR. No. 1-2. 1962. [MICROFILM]
- NAUCHNO-TEKHNIЧЕСКОЕ ОБЩЕСТВО ЛЕСНОЙ ПРОМЫШЛЕННОСТИ. Arkhangel'skoe oblastnoe pravlenie. [Reference book on sawing lumber materials] Posobie po raskroiu pilovogochnogo syr'ia. [Arkhangelsk] Arkhangel'skoe knizhnoe izd-vo, 1962. 104 p. [MICROFILM]
- NAUCHNO-TEKHNIЧЕСКОЕ ОБЩЕСТВО ЛЕСНОЙ ПРОМЫШЛЕННОСТИ И ЛЕСНОГО KHOZIAISTVA. Oblastnoe pravlenie. [For technological progress in the lumbering industry] Za tekhnicheskii progress v lesnoi promyshlennosti. Petrozavodsk, TSBTI Karelskogo sovnarkhoza, 1962. 71 p.
- NEDUMOV, N. V. [Design of statically determined frames] Raschet staticheski opredelimykh ram. Moskva, Mosk. Avialsonnyi in-t im. Sergo Ordzhonikidze, 1962. 112 p.
- NESTEROV, A. K. [Southwest; experience in planning and developing the southwestern district of Moscow] Ugo-zapad; iz opyta planirovki i zastroi ki Ugo-zapadnogo raiona Moskv. [Moskva] Mosk., rabochii, 1963. 100 p.
- [NEW DEVELOPMENTS IN THE OPERATIONS AND EQUIPMENT OF PUBLIC EATING FACILITIES] Novoe v obshchestvennom pitanii. Moskva, Gos-torgizdat, 1962. 241 p.
- NOVIKOV, B. A. [Handbook on accident prevention for workers in the production of foamed and air-entrained concrete] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri proizvodstve peno- i gazobetona. Moskva, Gosstroizdat, 1962. 31 p. [Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov]
- NOVOCHERKASSK. POLITEKHNIЧЕСКИЙ ИНСТИТУТ. Kafedra arkhitektury. [Types of apartments planned for the third climate region of the U.S.S.R.] Perspektivnye tipy kvartir dlia tret'ego klimatskogo raiona SSSR. Novocherkassk, Redaktsionno-izdatel'skii otdel NPI, 1962. 74 p. [MICROFILM]
- NOVOPOL'SKII, V. A. [Maintenance of an electronic oscilloscope] Elektronnyi ostsillograf; ekspluatatsiia i remont. Moskva, Gosenergizdat, 1962. 208 p.
- OBSHADKO, B. I. [Methodology of teaching machining on lathes] Metodika prepodavaniia tokarnogo dela. Izd. 3, perer. i dop. Moskva, Proftekhizdat, 1963. 281 p.
- [OVER-ALL AUTOMATION AT A BEARING PLANT] Kompleksnaya avtomatizatsiia na podshipnikovom zavode. [Sarato] Saratovskoe knizhnoe izd-vo, 1962. 53 p. [MICROFILM]
- PADALKA, E. S. [Ultrasonics in the petroleum industry] Ul'trazvuk v neflianoi promyshlennosti. Kiev, Gos-tekhizdat USSR, 1962. 65 p.
- PAPATSENKO, KH. I. [Design, construction and operation of self-supporting, suspended pipelines] Proektirovanie, stroitel'stvo i ekspluatatsiia samonenesushchikh proviazashchikh truboprovodov. Moskva, Gosoptekhzdat, 1963. 110 p.
- PAVLOV, B. V. [Vertical balancing machines] Vertikal'nye balansirovochnye stanki. Moskva, Mashgiz, 1963. 100 p.
- PAVLOVSKII, P. E., and V. V. PAI'MIN. [Biochemistry of meat and meat products] Biokhimiia miasa i miasoproduktov. Pod red. A. M. Kuzina. Moskva, Pishchepromizdat, 1963. 324 p.
- PER, A. G. [Diamond and fine machining in the manufacture of instruments] Almaznaia i tonkaia obrabotka v priborostroeni. Moskva, Oborongiz, 1963. 186 p.
- PEREPELTSA, A. L., and N. Z. GUSEV. [Use of solid heat carriers in a flow sheet for the continuous coking of Irkutsk Basin coals] Primenenie tverdogo teplotonositel'a v skhemie nepreryvnogo koksovaniia uglei Irkutskogo bassaina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 143 p.
- PET'KO, N. I., and I. B. BERMAN. [Networks for supplying a.c. operative power to relay protection and automatic control systems in municipal electric-power plants and substations] Skhemy pitania peremennym operativnym tokom tsepei relsnoi zaschity i avtomatiki na gorodekikh elektricheskikh stantsiakh i podstantsiakh; ekspluatatsiia i naiaidka. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 76 p.
- PETROV, A. I., and V. T. DROBAKII. [Techniques of measuring the pressure and consumption of fluids and gas] Tekhnika izmereniia davlenii i raskhodov zhidkosti i gaza. 2., dop. i perer. Izd. Moskva, Gosoptekhzdat, 1963. 246 p.
- PETROV, I. K. [Moisture measurement and control] Izmerenie i regulirovanie vlazhnosti. [Moskva] Mosk. rabochii, 1962. 90 p.
- [PIPELINES IN THE CHEMICAL INDUSTRY] Truboprovody v khimicheskoi promyshlennosti. [By] E. A. Ivanov, A. V. Shepelov, E. V. Lialin. Moskva, Mashgiz, 1963. 427 p.
- POGORELYI, P. P. [New equipment of gas-regulator sections and gas-regulator plants] Novoe oborudovanie gazoregulyatornykh punktov i gazoregulyatornykh ustanovok. Moskva, Gosoptekhzdat, 1963. 37 p.
- POKROVSKII, G. I., and A. A. CHERNIGOVSKII. [Calculation of charges in large-scale draw blasting] Raschet zariadov pri massovykh vzryvakh na vybroa. Izd. 2., perer. i dop. Moskva, Gosgortekhzdat, 1962. 84 p.
- POLETIKA, M. F. [Devices for measuring cutting forces and torques] Pribory dlia izmereniia sil rezaniia i krutiaschikh momentov. Moskva, Mashgiz, 1963. 105 p.
- POLIAK, S. M. [Methods of sheet-metal forming without power presses] Bespressovye metody formirovaniia listovykh detaiei; obzor. Moskva, TSINTIMASH, 1961. 33 p.
- POLIAKOV, K. P. [Equipment frameworks of radio-electronic apparatus] Pribornye korpusa radioelektronnol apparatury. Moskva, Gosenergizdat, 1963. 187 p.
- POLTEV, K. M., and M. K. POLTEV. [Driver's manual on traffic rules and safety] Voditelu o pravilakh i bezopasnosti dvizheniia avtotransporta. [Moskva] Mosk. rabochii, 1963. 191 p.
- PONOMARENKO, V. A. [Potentials of the traffic capacity of underground transportation] Rezervy propusknoi sposobnosti podzemnogo transporta. Moskva, Gosgortekhzdat, 1962. 266 p.
- PONOMAREV, A. F., and P. K. GEDYK. [Lubrication of equipment] Смазка oborudovaniia. Izd. 2, dop. i perer. Moskva, Mashgiz, 1962. 316 p.
- POROZHNIKOV, V. S. [Ice crossings] Lediane perepravy. Moskva, Avtotransizdat, 1963. 86 p. (V pomoshch' stroitel'no sel'skikh dorog)
- POTEKUSHIN, N. V. [Mechanization and automation of cold pressing operations] Mekhanizatsiia i avtomatizatsiia kholodnoshtampovochnykh rabot. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1961. 45 p. (Obmen pervodnym opytom: Kuznechnoe proizvodstvo)
- POTEMKIN, K. D. [Heat treatment and drawing of high-strength wire] Termicheskaya obrabotka i volochenie vysokoprochnoi provoloki. Moskva, Metallurgizdat, 1963. 110 p.
- POTEMKIN, K. V., and A. N. SPITSYN. [Rare elements in the placer deposits of foreign countries] Redkie elementy v rossiyaikh zarubezhnykh stran. Moskva, Izd-vo Akad. nauk SSSR, 1963. 99 p.
- PREDVODITELEV, A. S., and others. [Tables of the gas dynamic and thermodynamic values of an air flow behind a direct shock wave for velocities of the incident wave up to 4500 m/sec.] Tablitsy gazodinamicheskikh i termodinamicheskikh velichin potoka vozdukhza priamym skachkom uplotneniia; dlia skorostei nabegatushchego potoka do 4500 m/sec. Moskva, Vychislitel'nyi tsentr AN SSSR, 1962. 131 p.
- PRESNIAKOV, A. A. [Physical nature of plasticity anomalies in metal alloys] Fizicheskaya priroda anomalii plastichnosti u metallicheskikh splavov. Otv. red. I. G. Grinman. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 63 p.
- [PRESS-FORGING EQUIPMENT] Kuznechno-pressovoe oborudovanie. Izd. ofitsial'noe. Moskva, Standartgiz, 1962. 258 p. (SSSR. Gosudarstvennye standarty)
- [PRINCIPLES OF MECHANIZATION IN CONSTRUCTION WORK] Osnovy mekhanizatsii stroitel'nykh rabot. [By] P. T. Frolov, P. S. Grinkevich, S. F. Efimov. Moskva, Vysshaya shkola, 1962. 299 p.

PROFESSIONAL'NYI SORUZ RABOCHIKH METALLURGI-CHESKOI PROMYSHLENNOSTI. Tsentral'nyi komitet. [Safety regulations in pipe-rolling and pipe-welding industries] Pravila bezopasnosti v truboprokatnom i trubosvarochnom proizvodstve. Moskva, Metallurgizdat, 1962. 119 p.

PROFSORUZ RABOCHIKH I SLUZHASHCHIKH SEL'SKOGO KHOZIAISTVA I ZAGOTOVOK. Tsentral'nyi komitet. [Manual on safety measures for the operators of excavating machinery] Pamiatka po tekhnike bezopasnosti dlia ekskavatorshchikov. Moskva, Izd-vo sel'khoz, lit-ry, zhurnalov i plakatov, 1962. 21 p.

[PROGRAMMING FOR THE "URAL-1" ELECTRONIC COMPUTER] Programirovanie dlia elektronnoi vychislitel'noi mashiny "Ural-1." [By] E. T. Gavrilenko i dr. Moskva, Mashgiz, 1962. 295 p.

PRONIKOV, A.S. [Design of machine tools] Raschet i konstruirovaniye metalloobrabatnykh stankov. Moskva, Vysshaya shkola, 1962. 421 p.

PROTASOV, K.G. [New cable-supported trusses] Novye vantovyie fermy. Moskva, Transzheldorizdat, 1963. 98 p.

RABINOVICH, A.M. [Pneumatic devices for the drive of deep pump equipment] Gidropnevmaticheskie ustroystva v prirode glubinnonaznosnoi ustanovki. Moskva, Gosoptekhzdat, 1962. 98 p.

RAIZER, P.I.A. [Development of aerial methods in Russia and the Soviet Union] Razvitiye aerometodov v Rossii i Sovetskom Soyuze. Moskva, Izd-vo Akad. nauk SSSR, 1963. 63 p.

RAKOVSKII, V.V. [Measurements in sound recording systems for motion pictures] Izmereniya v apparature zapisa zvuka kinofil'mov. Moskva, Izd-vo "Iskusstvo", 1962. 402 p.

RAPOPORT, E.M. [Azimuth determination in railroad surveying] Azimutal'nye opredeleniya pri izyskaniyakh zheleznykh dorog; uchebnoe posobie. [n.p.] Dnepropetrovskii in-t inzhenerov zhelez-dor. transporta. Pt. 1. 1961. 53 p.

[MICROFILM]

[REDUCING GEARS; design and testing] Reduktory; konstruktii, raschet i ispytaniya. [By] B. L. Davydov, B. A. Skorodumov, I. V. Bubyri'. Moskva, Mashgiz, 1963. 472 p.

REMPER, G.G., and V.A. LIKIN. [Labor safety in working with explosives] Bezopasnost' truda pri rabote s vzyrychatelnymi veshchestvami. Moskva, Oboronizdat, 1963. 57 p.

RIABTSEV, N.I., ed. [Gas equipment, apparatus, and fittings; reference book] Gazovoe oborudovaniye, pribory i armatura; spravochnoe rukovodstvo. Moskva, Gosoptekhzdat, 1963. 469 p.

ROTERMEI, B. P., and D. I. IVANOV. [Electrical equipment of tractors and combine harvesters; their installation, operation, maintenance and repair] Elektrooborudovaniye traktorov i kombainov; ustroystvo, ekspluatatsiya, tekhnicheskii ukhod, nepspravnosti i ikh ustroeniye. [Omsk] Omskoe knizhnoe izd-vo, 1962. 148 p.

ROZHDESTVENSKII, E.D. [Forest soils of Uzbekistan as materials for earthen dams] Lessovye grunty Uzbekistana kak material dlia zemlianykh plotin. Tashkent, Izd-vo Akad. nauk UzSSR, 1962. 204 p.

RUSSIA (1917- R.S.F.S.R.) Gosudarstvennyi komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru. [Accidents and accident prevention in areas of boiler inspection] Avari na ob'ektakh kotelnadzora i mery po ikh preduprezhdeniyu; informatsionnoe pis'mo. Moskva, Gosgortekhzdat, 1962. 87 p.

RUSSIA (1917- R.S.F.S.R.) Gosudarstvennyi nauchno-tekhnicheskii komitet. [Improving the machinery and technology of the water transportation of lumber in the Volga-Kama basin] Sovershenstvovaniye tekhniki i tekhnologii vodnogo transporta lesa v Volzhsko-Kamskom basseine; materialy soveshchaniya, sostoiavshegosia 25-28 ianvaria 1960 g. pri GNTK RSFSR. Moskva, Goslesbumizdat, 1960. 115 p.

RUSSIA (1917- R.S.F.S.R.) Ministerstvo stroitel'stva. Upravleniye mekhanizatsii spetsial'nykh i montaznykh rabot. Tsentral'noe konstruktorskoe biuro. [Cranes used in construction and assembly] Stroitel'no-montaznyye krany; spravochnoe posobie. Moskva, Tsentral'noe tekhn. informatsii. No. 3. [Hoists and lifts used in assembly] Montaznyye pod'emniki i vyshki. 1962. 70 p.

[MICROFILM]

RUSSIA (1923- U.S.S.R.) Glavnoe upravleniye elektrifikatsii i energeticheskogo khoziaistva. [Safety engineering manual for operating the contact networks of a.c. electrified railroads] Pravila tekhniki bezopasnosti pri ekspluatatsii kontaktnoi seti peremennogo toka elektrifitsirovannykh zheleznykh dorog. Moskva, Transzheldorizdat, 1962. 139 p.

RUSSIA (1923- U.S.S.R.) Glavnoe upravleniye grazhdanskogo vozdukharnogo flota. [International airline schedule for the summer 1960 effective April 1 (Moscow time)] Raspisanie dvizheniya samoletov na mezhdunarodnykh vozdukhnykh liniiakh s 1 aprelya na letniy period 1960 g.; vremia moskovskoe. Moskva, Redaktsionno-izdatel'skii otдел Aeroflota, 1960. 10 p.

[PHOTOCOPY]

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt. 2, Sec. B, ch. 3. [Foundations of hydraulic structures; standards for design (SNIP II-B, 3-62)] Osnovaniya gidrotekhnicheskikh sooruzhenii i normy proektirovaniya (SNIP II-B, 3-62) 23 p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Indices of the estimated cost and consumption of resources; structures for reclamation construction and for fish culture reclamation construction] Pokazateli smetnoi stolimosti i raskhoda resursov; sooruzheniya meliorativnogo i rybovodno-meliorativnogo stroitel'stva. Uverzhdeny Gosudarstvennym komitetom Soveta. Ministrov RSFSR po delam stroitel'stva 9 avgusta 1962 g. Moskva, Gosstroizdat. No. 2, 1962. 172 p.

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions SN-188-61 on the calculation of steel pipelines for the transportation of gas, petroleum and petroleum products] Ukazaniya po raschetu magistral'nykh stal'nykh truboprovodov (SN 188-61). Moskva, Gosstroizdat, 1962. 26 p.

[MICROFILM]

RUSSIA (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions SN 198-61 for planning mine piping] Ukazaniya po proektirovaniyu shakhtnykh truboprovodov (SN 198-61). Moskva, Gosstroizdat, 1962. 34 p.

[MICROFILM]

RUSSIA (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru. [Safety regulations for the construction and operation of hoisting cranes; required for all ministries and departments] Pravila ustroystva i bezopasnoi ekspluatatsii gruzopod'emnykh kranov. Oblazatel'ny dlia vseh ministerstv i vedomstv. Izd. 3. V nastoiashchee izd. Pravil vneseny izmeneniya i dop. priinyato Gosgortekhnadzorom RSFSR. Moskva, Gosgortekhzdat, 1963. 83 p.

RUSSIA (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru. [Safety regulations for the installation and operation of steam boilers] Pravila ustroystva i bezopasnoi ekspluatatsii parovykh kotlov. Oblazatel'ny dlia vseh ministerstv i vedomstv. Izd. 5. V nastoiashchee izd. Pravil vneseny izmeneniya i dop. priinyato Gosgortekhnadzorom RSFSR. Moskva, Gosgortekhzdat, 1963. 86 p.

RUSSIA (1923- U.S.S.R.) Ministerstvo sel'skogo khoziaistva. Upravleniye nauki, propagandy i vnedreniya peredovogo opyta. Tsentral'noe opytno-konstruktorskoe biuro prioborostroyeniya. [Instruments and laboratory equipment developed by the Central Experimental Design Office of the Instrument Industry; catalog] Pribory i laboratornoe oborudovaniye, razrabotannyye Tsentral'nym opytno-konstruktorskim biuro prioborostroyeniya; katalog. Moskva, Sel'khozizdat, 1962. 56 p.

[MICROFILM]

RUVINOV, D.I.A. [Automatic feed of centerless grinding machines] Avtomaticheskaya zagruzka bescentrovyykh shlifovallykh stankov. Moskva, Mashgiz, 1963. 103 p.

RYTCHENKO, V.I. [Repair of the electric equipment of motor vehicles] Remont elektrooborudovaniya avtomobilov. Moskva, Aviotransizdat, 1963. 254 p.

SABLIN, V.I. [Formulas and tables for computing a single-span frame with columns of stepped and variable section] Formuly i tablitsy dlia rascheta odnoproletnogo ramy so stolikami stupenchato-peremennogo secheniya; posobie dlia kursovogo i diplomnogo proektirovaniya. Novosibirsk, Novosibirskii in-t zhelez-dor. transporta, 1962. 51 p.

[MICROFILM]

SAMGIN, I.U.S. [Safety in exploratory drilling] Bezopasnost' na razvedochnom bureni. Moskva, Gosgeotekhzdat, 1962. 62 p.

SAMOILOV, S.I., and others. [Technological processes in the manufacture of heavy machinery] Tekhnologiya tiazhelego mashinostroyeniya. Pod red. S. I. Samoilova. Moskva, Mashgiz, 1962. 539 p.

SAPIRO, L.S. [Welding in a water vapor atmosphere] Svarka v srede vodianogo para. Moskva, Mashgiz, 1963. 93 p.

SAVREI, V.S. [ABC's of industrial automation] Azbuka promyshlennoi avtomatiki. [Magadan] Magadanskoe knizhnoe izd-vo, 1962. 80 p.

[MICROFILM]

SEID-RZA, M.K. [Technology of drilling deep wells under complex conditions] Tekhnologiya bureniya glubokikh skvazhin v oslozhnennykh usloviyakh. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 331 p.

SEMENCHENKO, I.B. [Control of gas porosities in steel castings; from experience acquired by the Chelyabinsk Machinery Plant] Bor'ba s gazovoi poristost'yu stal'nykh otlivok; iz opyta raboty Cheliabinskogo mekhanicheskogo zavoda. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 46 p.

[MICROFILM]

SERGO, E.E. [Washing ferrous metal ores] Promyivka rud chernykh metallov. Moskva, Gosgortekhzdat, 1963. 143 p.

SEVER'IANOV, A.A. [Laboratory course in turning] Laboratornyi praktikum v tokarnykh gruppakh; posobie dlia instruktorov proizvodstvennogo obucheniya v srednei shkole. Moskva, Izd-vo APN RSFSR, 1962. 77 p.

SHABANOV, K.D. [Double-flow transmissions for vehicle engines] Dvukhpotochnyye peredachi transportnykh mashin. Moskva, Mashgiz, 1962. 126 p.

SHADRINTSEV, I.S. [What cybernetics is] Chto takoe kibernetika. Moskva, Voenizdat, 1963. 76 p.

(Nauchno-populiarnaya biblioteka)

SHAPKIN, K.D. [Preparation, properties, and uses of polymers] Polucheniye, svoystva i primeneniye polimerov; uchebnoe posobie. Pod red. L. A. Nikol'skaya. Moskva, Mosk. in-t inzhenerov zhelez-dor. transporta, 1962. 45 p.

[MICROFILM]

SHAROKO, P.M., and V.T. SEREDA. [Hydraulic transmissions of diesel locomotives] Gidravlicheskie peredachi teplovozov. Moskva, Transzheldorizdat, 1963. 173 p.

SHEFTEL, N.I. [Directions in technical progress in metallurgy] Puti tekhnicheskogo progressa v metallurgii. Moskva, Izd-vo "Sovetskaya Rossiya", 1963. 60 p. (Resheniya XXII s'ezda KPSS - v zhizni)

SHILAPIN, V.B., I.U.G. VINOGRADOV, and V.I. SHAKHOV. [Build-up welding under flux with a vibrating arc in the repair of rolling stock parts] Vibrodugovaya naplavka pod fluxom detalei podvizhnogo sostava. Moskva, Transzheldorizdat, 1962. 26 p.

SHREIDER, A.V., and G.L. DEGTIAREVA. [Corrosion resistance of aluminum and the use of aluminum in various branches of industry; review of practices in foreign countries] Korrozionnaya stolkost' aluminiuma i ego primeneniye v razlichnykh otroslakh promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, Gos. nauchno-issl. in-t nauchn. i tekhn. informatsii, 1962. 62 p.

[MICROFILM]

SHVARTSBURO, B.I. [Dimensional chains in hydraulic engines] Razmernyye tsepi v gidromashinakh. Red. M. M. Orakhelashvili. Moskva, Mosk. energeticheskii in-t, 1962. 70 p.

[MICROFILM]

SIL'CHENKO, S.S. [Mechanization and automation of fitting and assembling work] Mekhanizatsiya i avtomatizatsiya slesarno-sbornykh operatsii. Moskva, Proftekhizdat, 1962. 147 p. (Biblioteka molodogo rabochego)

SKURKO, R.I., and K.A. POCHERNIKOVA. [Production of synthetic catalysts for petroleum refining] Proizvodstvo sinteticheskikh katalizatorov dlia neftepererabotki. Pod red. i s dop. I. E. Gel'maa. Moskva, Gosoptekhzdat, 1963. 117 p.

- SMELIANSKI, M. I. A., and N. I. BORTNICHUK. [Short networks in electric furnaces] Korotkie seti elektricheskikh pechey. Moskva, Gosenergizdat, 1962, 93 p. (Biblioteka elektrotehnika, no. 13)
- SMIRNOV, A. V. [Prospects for the development of the veneer and match industries during the period from 1955 to 1965] Perspektivy razvitiya fanernoi i spichchnoi promyshlennosti v 1959-1965 gg. Moskva, Gosstatizdat, 1960, 31 p.
- SOLOV, A. N. [Rapid smelting of steel in electric-arc furnaces] Skorostnoye plavki stali v d.d.govykh elektropetchakh. Izd. 2., perer. i dop. Moskva, Mashgiz, 1963, 271 p. [MICROFILM]
- SOLOV, N. A. [Hot extrusion] Goriachaya shampovka vydavlivaniem. Moskva, TSINTIMASH, 1961, 50 p.
- SOLOV, V. A., and G. G. GRIGOR'EV. [Methods and results of gas geochemical prospecting for oil and gas] Metodika i rezultaty gazovykh geokhimicheskikh neftegazopiskovykh rabot. Moskva, Gosstatizdat, 1962, 402 p.
- SOLODKINA, E. K. [Oblique bending. Eccentric tension and compression] Kosoi izgib. Vnestsennoe rastiazhenie i szhatie. Moskva, Mosk. aviatsionnyi in-t im. Sergo Ordzhonikidze, 1962, 24 p. [MICROFILM]
- SOLOMIN, V. V. [Plan is construction's law] Plan - zakon stroitel'stva. Moskva, Gosstatizdat, 1961, 60 p. (V pomoshch' ekonomicheskomu obrazovaniyu rabochikh, brigadirov i masterov-stroitelei)
- SOMOV, V. A., and P. P. BOTKIN. [Fuel for diesel transportation engines] Topливо dlya transportnykh dizelov. Leningrad, Sudpromgiz, 1963, 355 p.
- SOSNENKO, M. N. [Graphite molds] Grafitovye litelnye formy. Moskva, Mashgiz, 1963, 114 p.
- SOVESHCHANIYE PO TEKHNIKE BEZOPASNOSTI V STROITEL'STVE KRUPNOPANEL'NYKH I KRUPNO-BLOCHNYKH ZHILYKH ZDANII, Leningrad, 1961. [Materials of the Conference on Accident Prevention in the Construction of Large-panel and Large-block Buildings] Materialy. Moskva, Gosstatizdat, 1962, 47 p.
- SOVETOV, S. E., and G. N. SERDIUKOVSKAYA. [Hygienic principles of the design, construction and equipment of schools and preschool institutions] Gigenicheskie osnovy proektirovaniya, stroitel'stva i oborudovaniya shkol i detskikh doshkol'nykh uchrezhdenii. Moskva, Medgiz, 1962, 398 p.
- SPIVAKOVSKII, A. O. [Automation of hydraulic conveying] Avtomatizatsiya gidravlicheskogo transporta; uchebnoe posobie. Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki, 1962, 51 p. [MICROFILM]
- STOKOLOV, V. E. [Design and installation of the electrical equipment of forging and pressing machines] Proektirovaniye i montazh elektrooborudovaniya kuznечно-pressovykh mashin. Moskva, Mashgiz, 1962, 362 p.
- STRAKHOV, V. V., and others. [Modern equipment for making creamery butter] Sovremennoe oborudovanie dlya proizvodstva stivchnogo masla. Moskva, TSentr. in-t nauchno-tekhn. informatsii mashinostroyeniya 1962, 55 p. (TSINTIMASH, Seriya IX; Proizvodstvennoye mashinostroyeniye) [MICROFILM]
- STRAZDINA, P. F. [Development of public dining facilities in Soviet Latvia] Sabiedriskas edinasmas attistiba Padomju Latvija. Riga ["Padomju Latvijas kooperatori"] 1960, 55 p. [In Latvian]
- STREKOPYTOVA, V. A. [Blue flame; from experience in the use of electric welding at the Tyumen' Shipbuilding Plant] Goluboi ogon'; iz opyta primeneniya elektrosvarki na Tyumenskoy sudostroitel'nom zavode. [Tyumen'] Tyumenskoe knizhnoe izd-vo, 1962, 14 p. (Za tekhnicheskii progress) [MICROFILM]
- SYROMIATNIKOV, I. A. [Operation of asynchronous and synchronous electric motors] Rezhimy raboty asinkhronnykh i sinkhronnykh elektrodvigateli. Izd. 3., perer. i dop. Moskva, Gosenergizdat, 1963, 527 p.
- TAITS, A. A., and others. [Electric power engineering] Elektroenergetika. [By] G. A. Bykov i dr. Pod red. A. N. Ivanova i A. A. Taitsa. Moskva, Metallurgizdat, 1962, 190 p. (Tekhnicheskii progress v chernoi metallurgii SSSR)
- TALYZIN, M. D., and others. [Pile fabrics and artificial fur] Volsyvoe tkani i iskusstvennyi mekh. Pod obshehei red. M. D. Talyzina. Moskva, Rostekhzdat, 1963, 351 p.
- TERENT'EV, D. P., ed. [Radio transmitting devices] Radiopredatshchye ustroystva. Moskva, Svyaz'izdat, 1962, 710 p.
- TIMOSHKOV, V. M. [Organization of the operations of combined trains for lengthened haul distances] Organizatsiya raboty sbornykh poezdov pri udlineni tiagovykh plech. Moskva, Transzheldorizdat, 1963, 89 p.
- TITOV, G. S. [Aviation and space] Aviatzia i kosmos; rasskaz letchika-kosmonavta SSSR. Moskva, Voenizdat, 1963, 244 p. (Gerol-sovremenniki)
- TITOV, N. D. [Sand-mixer operator in foundries] Smesoprigotovitel' litchnykh tsekhov. Moskva, Mashgiz, 1962, 103 p.
- TOL'SKII, G. A., V. M. PESTRIKOV, and M. T. VIKTOROV. [Modern cylinder-screen machines for making cardboard] Sovremennye krugosetochnye kartonodolochnye mashiny; obzor. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatvalushchei promyshli, 1962, 24 p. [MICROFILM]
- TOMBAEV, N. I. [Centrifuges for the food industry] TSentrifugi pishchevoi promyshlennosti. Moskva, Mashgiz, 1962, 222 p.
- TRIAPKIN, A. I. [Production and reclaiming of wiping materials] Vyrabotka i regeneratsiya obtirachnykh materialov. Moskva, Gosmestpromizdat, 1962, 145 p.
- TRILING, SH. M. [Our practice in production mechanization] Nash opyt mekhanizatsii proizvodstva. Minsk, Gos. izd-vo BSSR, 1962, 16 p.
- TROTS, N. D. [Assembly of industrial ventilation systems] Montazh promyshlennoi ventilatsii. Moskva, Gosstatizdat, 1963, 226 p.
- TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIЧЕСКОИ ИНФОРМАЦИИ ЛЕГКОИ ПРОМЫШЛЕННОСТИ. [Processing of lye in a blend with cotton and viscose fibers] Pererabotka laysana v smesi s khlopkom i viskoznykh voloknom. Moskva, 1962, 55 p. [MICROFILM]
- TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIЧЕСКОИ ИНФОРМАЦИИ ЛЕГКОИ ПРОМЫШЛЕННОСТИ. [Surface-dyeing of artificial fur] Verkhovoe krasenie iskusstvennogo mekha. Moskva, 1962, 26 p. [MICROFILM]
- TSENTRAL'NYI INSTITUT TEKHNIЧЕСКОИ ИНФОРМАЦИИ УГЛЮГОИ ПРОМЫШЛЕННОСТИ. [Hydromechanization of open-pit mining operations in the Kuznetsk Basin] Gidromekhanizatsiya otkrytykh gornykh rabot v Kuzbasse. Moskva, 1962, 38 p. [MICROFILM]
- TSENTRAL'NYI INSTITUT TEKHNIЧЕСКОИ ИНФОРМАЦИИ УГЛЮГОИ ПРОМЫШЛЕННОСТИ. [Studies and systematization of damage to columns of cast-iron tubing] Issledovanie i sistematizatsiya povrezhdenii kolomn chugunnoi trubingovoi krepi. Moskva, 1962, 83 p. [MICROFILM]
- TSIKURIN, N. V. [Standardization in the machinery industry] Normalizatsiya v mashinostroyeni. Moskva, Mashgiz, 1963, 186 p.
- TSITSIN, P. G. [Application of bituminous coatings on pipes at a plant] Bitumnaia izolatsiya trub na zavode. Moskva, Gosstatizdat, 1963, 122 p.
- [TWENTY-FIFTH ANNIVERSARY OF THE KAMA WOODPULP AND PAPER COMBINE] Kamskii tsellulozno-bumazhnyi kombinat; 25 let. [Perm'] Permskoe knizhnoe izd-vo, 1962, 119 p. [MICROFILM]
- UKHINOV, V. A., and V. G. SAMSONOV. [Plastics as material to be used in the manufacture of machinery] Plastmassy—material dlya mashinostroyeniya. [Donetsk] Donetskoe knizhnoe izd-vo, 1962, 41 p. (V pomoshch' skusatellam universiteta tekhnicheskogo progressa mashinostroyeniya) [MICROFILM]
- UKRAINE. Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. [Use of wood laminates, compressed wood and textile chips in machinery manufacture] Primenenie drevesnykh sloistnykh plastikov, pressovannoi drevesiny i tekstil'noi kroshki v mashinostroyeni. Kiev, In-t tekhn. informatsii, 1962, 61 p. [MICROFILM]
- UKRAINE. Ministerstvo vnutrennikh del. [Traffic regulations on streets and roads in the U.S.S.R.] Pravila dvizheniya po ulitsam i dorogam Soluzha SSR. [Zaporozh'e] Zaporozhskoe knizhno-gazetnoe izd-vo, 1961, 86 p.
- UL'IANOV, N. A. [Fundamentals of the theory and design of wheeled tractors for excavating machinery] Osnovy teorii i rascheta koleznogo dvizhatelya zemlerolnykh mashin. Moskva, Mashgiz, 1962, 206 p.
- VALITOV, R. A., and others. [Measurements of transistor parameters] Izmereniya parametrov poluprovodnikovyykh triodov. Pod red. R. A. Valitova. Khar'kov, Izd-vo Khar'kovskogo univ., 1960, 193 p.
- VARLAMOV, V. S. [Electrification of railroads] Elektrifikatsiya stal'nykh magistraley. Moskva, Izd-vo "Znanie", 1963, 32 p. (Novoe v zhizni, nauke, tekhnike, XII Seriya: Geologiya i geografika, no. 8)
- VARTIKOVSKII, G. L., I. I. ORLOV, and V. I. MAKSI-MOV. [Three years' results (1959-1961) of forecasting the tar production of the pine forests of the Tyumen' Economic Council, and the forecast of tar production for the 1962 tapping season] Trekhletnie itogi prognozirovaniya smoloproduktivnosti osnovnykh lesov Tyumenskogo sovnarkhoza, 1959-1961 gg. i prognoz smoloproduktivnosti dlya sezonov podsochki 1962 g. Tyumen', TSentr. biuro tekhn. informatsii, 1962, 14 p. [PHOTOCOPY]
- VASIL'EV, V. N., G. L. LAZUR, and M. K. MALEV. [Pocket manual for tractor drivers] Karmannyi spravochnik traktorista. Alma-Ata, Kazgol'khogiz, 1962, 354 p.
- VELIKANOV, D. P. [Operating characteristics of motor vehicles] Eksploatsatsionnye kachestva avtomobilei. Moskva, Aviotransizdat, 1962, 393 p.
- VENTSEL', S. V. [Lubrication of internal combustion engines] Смазка dvigateli vnutrennego sgoraniya. Moskva, Mashgiz, 1963, 170 p.
- VESELOV, A. I. [Design of mine fans] Konstruktsii shakhtnykh ventilatorov. [Sverdlovsk] Sverdlovskii gornyi in-t im. V. V. Vukhrushova, 1962, 59 p. [MICROFILM]
- VESELOVSKII, O. N. [Dolivo-Dobrovol'skii, 1862-1910] Dolivo-Dobrovol'skii, 1862-1919. Moskva, Izd-vo Akad. nauk SSSR, 1963, 85 p. (Akademiya nauk SSSR, Nauchno-biograficheskaya seriya)
- VIAZNIKOV, N. F. [Alloyed steel] Legirovannaya stal'. Moskva, Metallurgizdat, 1963, 271 p.
- VINOGRAD, M. I. [Inclusions in steel and its properties] Vklucheniya v stal' i ee svoystva. Moskva, Metallurgizdat, 1963, 282 p.
- VINOKUROV, P. S. [Maintenance of T-5 and T-5M tabulating machines] Tekhnicheskoe obsluzhivaniye tabulirov T-5 i T-5M. Moskva, Gosstatizdat, 1962, 391 p.
- VISHNEVSKIN, D. B., A. M. GENIN, and G. I. LEVINSKII. [Accident prevention in the operation of construction equipment] Tekhnika bezopasnosti pri rabote na stroitel'nykh mashinakh. Baku, Azerneshr, 1962, 145 p.
- VITOLINS, O. [Effect of small angles of inclination of the bottom die cavity on the economic accuracy of forged parts and the life of the die] Vliyanie malyykh uglov uklona rabochego otverstiya matritsy na ekonomicheskuyu tochnost' shtampovannykh detalей i srok sluzhby shtampa; radioelektronekhnicheskaya i metalloobrabatvalushchaya promyshlennost'. Riga, TSentr. biuro tekhn. informatsii, 1962, 15 p.

- VLAZNEV, E. I., and others. [Standardized machine-tool attachments] Normalizovannye stanochnye prisoobleniya; spravochnik konstruktora. Izd. 2, perer. i dop. Moskva, Oborongiz, 1963. 504 p.
- VOEVODA, D. K., and M. M. POMERANTSEV. [Hotset trucks, their performance at lower timber landings and timber transshipment bases] Avtogruzezhiki, ikh rabota na nizhnikh lesnykh skladakh i lesoperevalochnykh bazakh. Moskva, Gostesbumizdat, 1962. 63 p.
- VOLKOV, O. M., and L. L. PRIKHOD'KO. [Fire prevention measures in the operation of electronic calculating machines] Pozharnaya profilaktika pri ekspluatatsii elektronnykh vychislitel'nykh mashin. Moskva, Izd-vo M-vo kommun. khoz. RSFSR, 1962. 50 p.
- VOROB'EV, KH. S., and D. IA. MAZUROV. [Heat-engineering calculations for cement kilns and instruments] Teploekhnicheskie raschety tsementnykh pechei i apparatov. Moskva, Vysshaya shkola, 1962. 349 p.
- VOROB'EV, V. G. [Theory of heat resistance. Heat resistant steels and alloys] Teoriya zharoprochnosti. Zharoprochnye stali i splavy; lektsii dlia studentov mashinostroitel'nykh spetsial'nostei, izuchaiushchikh kurs "Metallovedenie i termicheskaya obrabotka," i studentov metallurgicheskogo fakul'teta, izuchaiushchikh kurs "Termicheskaya obrabotka," Moskva, Gos. izd-vo "Vysshaya shkola," 1961. 74 p. [MICROFILM]
- VOROB'EV, V. M. [Profiling cutters for parts with helical grooves] Profilirovanie frez dlia izdelii s vintovymi kanavkami; uchebno-metodicheskaya instruktsiia po proektirovaniu frez. Pod red. I. I. Semchenko. Moskva, Mosk. stankoinstrumental'nyi in-t, 1962. 41 p. [MICROFILM]
- VORONKOV, M. G., and N. V. SHOROKHOV. [Water-repellent coatings in construction] Vodoottalkivushchie pokrytiia v stroitel'stve. Riga, Izd-vo Akad. nauk Latviskoi SSR, 1963. 189 p.
- VSESIOUZNAIA NAUCHNO-TEKHNIЧЕСКАЯ КОНФЕРЕНЦИЯ ПО ПРОИЗВОДСТВУ И ПРИМЕНЕНИЮ ДРЕВЕСНО-ВОЛОКНИСТЫХ МАТЕРИАЛОВ И ПЛАСТИКОВ. Archangel. [Fiberboard] Drevesno-voлокнистые plity; trudy. Pod red. B. D. Bogomolova. Moskva, TSentr. biuro tekhn. informatsii bumazhnoi i derevoobrabatyvalushchei promyshl., 1961. 121 p. [MICROFILM]
- VSESIOUZNYI NAUCHNO-TEKHNIЧЕСКИЙ СЕМИНАР РАБОТНИКОВ ТКАТСКОГО ПРОИЗВОДСТВА, 1961. [Experience in the operation of shuttleless looms] Opyt raboty na bescheinykh tkatskikh stankakh; [materials]. Moskva, TSentr. in-t nauchno-tekhn. informatsii legkoj promyshl., 1962. 27 p. [MICROFILM]
- VSESIOUZNOE NAUCHNO-TEKHNIЧЕСКОЕ СОВЕЩАНИЕ ПО ТЕОРИИ ДЕГАЗАЦИИ, Moscow, 1961. [Problems in the theory of degassing coal seams] Voprosy teorii degazatsii ugol'nykh plastov; trudy. Pod obshch. red. G. D. Lidina. Moskva, Gosgortekhzdat, 1963. 205 p.
- VSESIOUZNYI SEMINAR PO PRIMENENIU RADIOAKTIVNYKH IZOTOPOV V IZMERITEL'NOI TEKHNIKE I PRIBOROSTROENII. Frunze, 1961. [Radioisotope techniques in automatic control] Radioizotopnye metody avtomaticheskogo kontrolya; trudy rasshirenogo soveshchaniia, ... Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, Vol. 2, 1962. 235 p.
- VSESIOUZNYI ZAOCHNYI ELEKTROTEKHNIЧЕСКИЙ ИНСТИТУТ SVIAZI. [Matching of balanced vibrators and transmission lines] Soglasovanie simmetrichnykh vibratorov s fiderom; uchebnoe posobie po kursu "Antenny." Moskva, Pt. 2., ch. 2, 1962. 89 p.
- VSESIOUZNYI ZAOCHNYI ELEKTROTEKHNIЧЕСКИЙ ИНСТИТУТ SVIAZI. [Radiation of center-fed dipoles] Izluchenie simmetrichnykh vibratorov; uchebnoe posobie po kursu "Antenny." Moskva, Pt. 2., ch. 1, 1962. 61 p.
- VSESIOUZNYI ZAOCHNYI INZHENERNO-STROITEL'NYI INSTITUT. Kafedra stroitel'nykh materialov. [Inorganic binding materials] Neorganicheskie viazushchie materialy; uchebnoe posobie dlia studentov, samostoiatel'no izuchaiushchikh kurs "Stroitel'nye materialy." Moskva, 1962. 87 p. [MICROFILM]
- VYSHCHEPAN, A. G., M. E. MEL'MAN, and B. A. NAZAROV. [Commercial study of vegetables, fruit and wine] Tovarovedenie ovoshchei plodov i vina, Izd. 2., perer. Moskva, Gostorgizdat, 1963. 303 p.
- [WELDER'S HANDBOOK] Metnataja rokasgramata. [By] V. Ivanovskis un citi. Riga, Latvijas Valsts izdevnieciba, [In Latvian] Vol. 2, 1963. 270 p.
- ZAKHARIKOV, N. A. [Heat-exchange processes in glass furnaces] Teploobmennye protsessy v steklovarenykh pechakh. Kiev, Gostekhtizdat USSR, 1962. 246 p.
- ZASLAVSKII, M. L. [Die casting; review of foreign practices] Lit'e pod davleniem; obzor zarubezhnogo opyta. Moskva, TSNTIMASH, 1961. 151 p.
- ZAVISLIAK, N. I. [Modern attachments for machine tools] Sovremennye prisoobleneniia k metallo-rezhuschimi stankam. Moskva, Mashgiz, 1963. 176 p.
- ZELENEV, V. E. [On building scaffolds] Na stroitel'nykh lesakh. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 13 p. (Tvortsy semileti)
- ZENCHENKO, V. P., and G. V. KREININ. [Air controls automatic machines; pneumatic control systems for machinery] Vozdukh upravliaet avtomatami; pnevmaticheskie sistemy mashin-avtomatov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 108 p. (Akademiia nauk SSSR. Nauchno-populiarnaya seria)
- ZIATUSHKOV, A. I. [Housing and health] Zhilishche i zdorov'e. [Leningrad] Medgiz, 1962. 28 p. (Nauchno-populiarnaya meditsinskaya literatura)
- ZIL'BERBORD, A. F. [Heat regime in mines in areas of permanently frozen ground] Teplovai rezhim shakht v oblasti rasprostraneniia mnogolotnemerzlykh gornykh porod. Moskva, Izd-vo Akad. nauk SSSR, 1963. 93 p.
- ZLOBINSKII, B. M. [Safety engineering] Tekhnika bezopasnosti. Moskva, Mashgiz, 1963. 185 p.
- ZOLOVIN, I. U. P. [Circulation cleaning of dairy equipment] TSirkulatsionnaya moika molochnogo oborudovaniia. Moskva, Pishchepromizdat, 1963. 88 p.
- ZOTOV, G. A., V. P. BEREZIN, and S. A. SHALAEV. [Olenino Logging Camp] Oleninskii lespromkhoz, Khimki, TSentr. nauchno-issl. in-t mekhanizatsii i energetiki lesnoi promyshl., 1962. 30 p. [With summary in English] [MICROFILM]
- ## 17. MILITARY & NAVAL SCIENCES
- ANDREEV, S. P. [Wing to wing; recollections of a military pilot, commander of a guards bomber division] Krylom k krylu; vospominaniia voennogo letchika, komandira gvardeiskoi bombardirovochnoi aviatstsii divizii. Moskva, Izd-vo "Znanie", 1962. 93 p. (Prochti, tovarishchi!)
- ANDRIENKO, S. A. [Work of the computer in the artillery] Rabota vychislitelia v artillerii. Moskva, Voenizdat, 1962. 71 p. (Za voenno-tekhnicheskie znanii)
- BARSEGHIAN, B. S. [At high speeds] Na vysokikh skorostyakh. Moskva, Voenizdat, 1962. 33 p. (Olichniki ucheby - o svoem opyte)
- BOGDANOVA, A. A., N. O. DOROSHIKEVICH, and KH. E. ZLOCHEVSKAIA. [English language for marine electricians] Angliiskii iazyk dlia sudovykh elektricheskikh. Moskva, Izd-vo "Morskoi transport", 1962. 187 p. [MICROFILM]
- [CONCISE ENGLISH-RUSSIAN AND RUSSIAN-ENGLISH MILITARY DICTIONARY] Kratkiy anglo-russkii i russko-angliiskii voennyi slovar'. Moskva, Voen. izd-vo M-va oborony SSSR, 1963. 560 p.
- [DESIGN OF GAS TURBINE PLANTS] Konstruktsii gazoturbinnykh ustanovok; opisaniia. [By] N. F. Galitskii i dr. Leningrad, Sudpromgiz, 1962. 163 p.
- D'ACHKOV, I. I. [Hero of the winged guards] Bogatir' krylatoi gvardii; dokumental'nyi ocherk. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 116 p. [MICROFILM]
- EPOV, B. A., and I. G. STARINOV. [Mines behind enemy lines] Myny v tylu vruga. Pod red. B. V. Badanina. Moskva, Voenizdat, 1963. 103 p.
- IL'IN, N. G., and V. F. RIABKOV. [Radar in anti-aircraft defense] Radiolokatsionnye sredstva protivovozdushnoi oborony. Moskva, Izd-vo DOSAAF, 1962. 146 p.
- KHAIKIN, A. B. [Dynamics of electric ship propulsion systems] Dinamika gromnykh elektricheskikh ustanovok. Leningrad, Izd-vo "Morskoi transport", 1962. 639 p.
- KUZ'MENKO, V. K., N. A. FEDOROV and E. G. FIRD. [Shipfitter's handbook] Spravochnik sudovogo sberashchika. Pod obshch. red. V. K. Kuz'menko. Leningrad, Sudpromgiz, 1962. 327 p.
- NIKOLAEV, M. N. [Antimissile missiles; from materials in the foreign press] Raketa protiv raket, po materialam zarubezhnoi pechati. Izd. 2., perer. i dop. Moskva, Voenizdat, 1963. 198 p.
- PETROV, V. P., and A. A. SOCHIVKO. [Rocket control] Upravlenie raketami. Izd. 2., ispr. i dop. Moskva, Voenizdat, 1963. 263 p.
- RUMIANTSEV, N. M. [Defeat of our enemy in the Arctic regions; military history] Razгром vruga v Zapoliar'e, 1941-1944 gg.; voenno-istoricheskiy ocherk. Moskva, Voenizdat, 1962. 267 p.
- VIKTOROV, A. V., and L. V. VASILENKO. [English language for operating engineers and mechanics in sea transport] Angliiskii iazyk dlia ekspluatatsionnikov i mekhanizatorov morskogo transporta. Moskva, Izd-vo "Morskoi transport", 1962. 115 p.

PART B—PERIODICALS

An asterisk (*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

1. GENERAL

a. SCHOLARLY JOURNALS

- AKADEMIA NAUK GRUZINSKOI SSR**, Tiflis. Soobshcheniya [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Reports]. Tiflis, vol. 30, no. 4, Apr. 1963. [In Georgian]
- AKADEMIA NAUK KIRGIZSKOI SSR**, Frunze. Izvestiya. Seriya estestvennykh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE KIRGHIZ S.S.R. Bulletin. Series in the Natural and Technological Sciences]. Frunze, vol. 4, nos. 4-5, 9, 1962.
- AKADEMIA NAUK SSSR**. Vestnik [ACADEMY OF SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 33, no. 4, Apr. 1963.
- AKADEMIA NAUK TADZHIKSKOI SSR**, Dushanbe. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Transactions]. Dushanbe, vol. 40, 1958. Contents: Semenov, P. G., Senenova, V. A. [Catalog of earthquakes in Tajikistan for the periods 1865-1940 and 1941-1952] Katalog zemlotrasnenii oshechushchavshikhsia na territorii Tadzhikistana za periody 1865-1940 i 1941-1952 gg. Vyp. 3, 137 p.
- AKADEMIA NAUK TURKMENSKOI SSR**, Ashkhabad. Izvestiya. Seriya obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin. Series in the Social Sciences]. Ashkhabad, no. 1, 1963.
- AKADEMIA NAVUK BSSR**, Minsk. Vestnik. Seriya hrannadskikh nauk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin. Series in the Social Sciences]. Minsk, no. 1, 1963.
- LATVIJAS PADOMJU SOCIALISTISKAS RESPUBLIKAS ZINATNU AKADEMIJA**, Vestis. Izvestia Akademii nauk Latvijas SSR [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Bulletin]. Riga, no. 2(187), 1963.
- LENINGRAD. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT IMENI A. I. GERTSENA**. Uchenye zapiski [A. I. HERTZEN STATE PEDAGOGICAL INSTITUTE. Studies]. Vol. 238, 1962.
- LENINGRAD. UNIVERSITET**. Uchenye zapiski [UNIVERSITY. Studies]. No. 267, 1960. Seriya filologicheskikh nauk [Series in the Philological Sciences], no. 52, no. 263, 1961. Seriya filologicheskikh nauk [Series in the Philological Sciences], no. 50, no. 314, 1962. Seriya filologicheskikh nauk [Series in the Philological Sciences], no. 63, no. 318, 1962. Seriya filologicheskikh nauk [Series in the Philological Sciences], no. 65.
- LENINGRAD. UNIVERSITET**. Vestnik [UNIVERSITY. Review]. Vol. 18, no. 6, 1963. Seriya geologii i geografii [Series in Geology and Geography], no. 1. Vol. 18, no. 7, 1963. Seriya matematiki, mekhaniki i astronomii [Series in Mathematics, Mechanics, and Astronomy], no. 2.
- OBSHCHESTVENNYE NAUKI V UZBEKISTANE** [SOCIAL SCIENCES IN UZBEKISTAN]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 7, nos. 2-3, 1963.
- RIGA. UNIVERSITATE**. Zinatniskie raksti. Uchenye zapiski Latvieskogo gosudarstvennogo universiteta [UNIVERSITY. Studies]. Vol. 31, 1959.
- SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIIA**, 1955-1958. Informatsionnyi biulleten' [SOVIET ANT-ARCTIC EXPEDITION, 1955-1958. Information Bulletin]. Leningrad, nos. 32, 36-37, 1962.
- TARTU. ULKOOOL**. Toimetised. Uchenye zapiski Tartuskogo gosudarstvennogo universiteta [UNIVERSITY. Studies]. No. 121, 1962.
- UKRAINS'KA VIL'NA AKADEMIA NAUK**. Seriya: Zbirnyk zakhodoznavstva [UKRAINIAN FREE ACADEMY OF SCIENCES. Series: Ukrainian Occidentalia]. Winnipeg, vol. 8(6), 1961; vol. 9(7), 1962/1963.
- ULAN-UDE. DURIATSKII KOMPLEKSNYI NAUCHNO-ISLEDovATEL'SKII INSTITUT**. Trudy [BURYAT SCIENTIFIC RESEARCH INSTITUTE. Transactions]. No. 7, 1961.
- b. POPULAR MAGAZINES**
- AMERIKA**; Illustirovannyi zhurnal [AMERICA ILLUSTRATED]. Published by the United States Information Agency. Washington, D. C., no. 80, 1963.
- AZIA I AFRIKA SEGODNIA** [ASIA AND AFRICA TODAY]. Issued by Institut narodov Azii and Institut Afriki Akademii nauk SSSR [Institute of the Peoples of Asia and the Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.
- BELARUS** [WHITE RUSSIA]. Minsk, vol. 20, nos. 3(224)-4(225), Mar.-Apr. 1963.
- BIARozKA** [THE LITTLE BIRCH]. Issued by Tsentral'nyi komitet Leninskogo komunisticheskogo sojuzu molodezhi i Tsentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V. I. Lenin All-Union Pioneer Organization]. Minsk, vol. 30, nos. 3-4, Mar.-Apr. 1963.
- DADZIS** [THISTLE]. Riga, no. 9(153), 1963. [In Latvian]
- DRUZHNO VPERED** [FORWARD TOGETHER]. Issued by Kul'turna aplikatsiia ukrain'skikh trudniashchikh Chekhostovachchiny [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol. 12, no. 12(173), Dec. 1962. [In Ukrainian]
- JAUNIMO GRETOS** [THE RANKS OF YOUTH]. Issued by Lietuvos Lenino komjaunimo sajungos Centro komitetas [Central Committee of the Lenin Communist Youth League of Lithuania]. Vilnius, nos. 1(218)-2(219), 4(221)-5(222), Jan.-Feb., Apr.-May 1963. [In Lithuanian]
- KAPKAN**; chuvashskii satiricheskii zhurnal [TRAP; Chuvash Satirical Magazine]. Cheboksary, vol. 23, nos. 6(423)-8(425), Mar.-Apr. 1963. [In Chuvash]
- KHORPUSHTAK** [HEDGEHOG]. Dushanbe, no. 4(119), Apr. 1963. [In Tajik]
- KIRPI** [HEDGEHOG]. Baku, nos. 8(260)-9(261), Apr.-May 1963. [In Azerbaijani]
- KOREA** (People's Democratic Republic, 1948-) Dept. of Cultural Relations With Foreign Countries. Informatsionnyi biulleten' [Information Bulletin]. Pyongyang, vol. 3, no. 26(80), Sep. 1955; vol. 4, no. 34(124), Aug. 1956.
- KOREIA** [KOREA]. Pyongyang, no. 5(58), 1961; nos. 2(79)-4(81), 1963.
- KOSTER** [CAMPFIRE]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo sojuzu molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] and others. Leningrad, no. 5, May 1963.
- KROKODIL** [CROCODILE]. Issued by gazeta [Newspaper] "Pravda," Moscow, vol. 41, nos. 12(1098)-15(1701), Apr.-May 1963.
- KULTURA I ZHIZN'** [CULTURE AND LIFE]. Issued by Sojuz sovetskikh obshchestv družby i kul'turnoi svyazi s zarubezhnymi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol. 6, no. 11, 1962.
- KULTUUR JA ELU** [CULTURE AND LIFE]. Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametiühingute Nõukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinn, vol. 6, no. 5, May 1963. [In Estonian]
- LIESMA** [FLAME]. Issued by Latvijas LKSJ Centrālā komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no. 5, May 1963. [In Latvian]
- MĒDENIET ŽĒNE TŪRMYS** [CULTURE AND LIFE]. Issued by Ministerstvo kul'tury Kazakhskoi SSR [Ministry of Culture of the Kazakh S.S.R.]. Alma-Ata, no. 4, Apr. 1963. [In Kazakh]
- MURZILKA**. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo sojuzu molodezhi i Tsentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V. I. Lenin All-Union Pioneer Organization]. Moscow, nos. 3, 5, Mar., May 1963.
- MUSHTUM** [PUNCH]. Tashkent, vol. 41, nos. 6(648)-7(649), 9(651), Mar.-May 1963. [In Uzbek]
- NOORUS** [YOUTH]. Issued by Eesti NSV Leninliku Kommunistliku Noorsooühingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, vol. 18, no. 5(199), May 1963. [In Estonian]
- NOVAIA ALBANIA** [NEW ALBANIA]. Tirana, no. 1, 1963.
- NOVAIA KOREIA** [NEW KOREA]. Published by Izdatel'stvo literatury na inostrannykhazykakh [Foreign-Language Publishing House]. Pyongyang, nos. 2(179)-4(181), 1963.
- OGONEK** [THE LITTLE LIGHT]. Moscow, vol. 41, nos. 13(1866)-16(1869), Mar.-Apr. 1963.
- PERETS** [PEPPER]. Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina." Kiev, vol. 23, nos. 8 (498)-10(501), Apr.-May 1963.
- PILT JA SONA** [PICTURE AND WORD]. Tallinn, vol. 18, no. 5(203), May 1963. [In Estonian]
- PIONEER** [PIONEER]. Issued by ELKNU Keskkomitee and Eesti NSV Pioneerorganisatsioon Nõukogu [Central Committee of the Lenin Communist Youth League of Estonian S.S.R.]. Tallinn, vol. 21, no. 5 (247), May 1963. [In Estonian]
- PIONER** [PIONEER]. Erivan, no. 4, Apr. 1963. [In Armenian]

B 1b-2c

PIONER [PIONEER]. Issued by the Central Committee of the Turkmenistan Communist Youth League of Lenin. Ashkhabad, no. 5, May 1963. [In Turkmen]

PIONER [PIONEER]. Issued by T'Sentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi i T'Sentral'nyi sovet Vsesoiuznoi pionserskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 40, no. 5, May 1963.

PIONERIA [PIONEERS]. Issued by T'Sentral'nyi komitet Lenins'koho komunistychnoho soluzu molodi Ukrainy and Respublikans'ka Rada Vsesoiuznoi pionsers'koi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol. 40, nos. 5(474)-6(475), May-June 1963.

POL'SHA [POLAND]. Warsaw, no. 3(103), 1963.

SEL'SKAIA MOLODEZH' [RURAL YOUTH]. Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 30, no. 4, Apr. 1963.

SHMEL' [BUMBLEBEE]. Alma-Ata, vol. 8, no. 4(87), Apr. 1963.

SLUOTA [THE BROOM]. Issued by Lietuvos komunistu partijos Centro komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 9(208)-10(209), May 1963. [In Lithuanian]

SOTSIALISTYCHNA KUL'TURA [SOCIALIST CULTURE]. Organ of Ministerstvo kul'tury DRSR [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, vol. 13, no. 4, Apr. 1960; vol. 14, nos. 6-7, 11-12, June-July, Nov.-Dec. 1961; nos. 3-12, Mar.-Dec. 1962; nos. 3-4, Mar.-Apr. 1963.

SOVETAKAN ALASTAN [SOVIET ARMENIA]. Organ of Armanianskoe obshchestvo druzhby i kul'turnoi svyazi s zarubezhnyimi stranami [Armenian Society for Friendship and Cultural Relations with Foreign Countries]. Eriwan, no. 2(203), 1963. [In Armenian]

SOVREMENNAIA MONGOLIA [CONTEMPORARY MONGOLIA]. Ulan Bator, vol. 7, no. 12(59), Dec. 1962.

SVYTURY [THE LIGHTHOUSE]. Vilnius, vol. 15, no. 8(344), Mar. 1963. [In Lithuanian]

UKRAINA [THE UKRAINE]. Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, nos. 4(331)-7(334), Feb.-Apr. 1963.

UKRAINS'KE TOVARYSTVO DRUZHBY I KUL'TURNOHO ZV'IAZKU Z ZARUBIZHNYMY KRAINAMY. Po radians'kii Ukraini; fotokhronika [UKRAINIAN SOCIETY FOR FRIENDSHIP AND CULTURAL RELATIONS WITH FOREIGN COUNTRIES. Through the Soviet Ukraine; Photo Report]. Kiev, no. 3, 1963.

URAL'SKII SLEDOPYT [URAL PATHFINDER]. Issued by Sverdlovskoe otdelenie Soluza pisatel'ei and Sverdlovskii obkom VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Committee of the All-Union Communist Youth League of Lenin]. Sverdlovsk, nos. 2-3, Feb.-Mar. 1963.

UZBEKISTON [UZBEKISTAN]. Tashkent, vol. 21, nos. 5(245), 11(251)-12(252), May, Nov.-Dec. 1962.

VOZHATYI [PIONEER GUIDE]. Published by T'Sentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soiuza molodezhi i T'Sentral'nyi sovet Vsesoiuznoi pionserskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 39, no. 5, May 1963.

VOZHYK [HEDGEHOG]. Minsk, vol. 23, nos. 8(558)-9(559), Apr.-May 1963.

VSESVIT. THE WORLD. Issued by Spilka pys'mennykh Ukrainy and Ukrain's'ka tovarystvo druzhby i kul'turnoho zv'iazku z zarubizhnyimi krainamy [Association of Writers of the Ukraine and the Ukrainian Society for Friendship and Cultural Relations with Foreign Countries]. Kiev, vol. 6, nos. 4(58)-5(59), Apr.-May 1963.

VYZVOL'NYI SHLIAKH [LIBERATION PATH]. London, vol. 10(16), nos. 4/110(184)-5/111(185), Apr.-May 1963.

ZHIZN' GLUKHIKH [LIFE OF THE DEAF]. Issued by Vserossiiskoe obshchestvo glukhih [All-Russian Society of the Deaf]. Moscow, vol. 16, no. 5, May 1963.

ZHIZN' SLEPYKH [LIFE OF THE BLIND]. Organ of T'Sentral'noe pravlenie Vserossiiskogo obshchestva slepykh [Central Administration of the All-Russian Society of the Blind]. Moscow, vol. 39, no. 3, Mar. 1963.

ZVAIGZNE [THE STAR]. Riga, vol. 13, nos. 9(307)-11(309), May-June 1963. [In Latvian]

2. BIBLIOGRAPHY

a. BIBLIOGRAPHY

BIBLOS; ZHURNAL UKRAINS'KOI BIBLIOGRAFIH [JOURNAL OF UKRAINIAN BIBLIOGRAPHY]. New York, vol. 9, no. 6(97), June 1963.

CHTO CHITAT' [WHAT TO READ]. Issued by Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol. 3, no. 9, Sep. 1960.

INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHESKIKH SPISKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVetskogo SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]. Issued by Gosudarstvennaia biblioteka SSSR [State Library of the U.S.S.R.]. Moscow, vol. 7, nos. 8, 10, Apr.-May 1963.

JAUNAS GRAMATAS [NEW BOOKS]. Riga, nos. 3(57)-4(58), Mar.-Apr. 1963. [In Latvian]

KNIZHNAIA LETOPIS' [BOOK CHRONICLE]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 17-21, 1963.
Dopolnitel'nyi vypusk [Supplementary Issue], no. 3, 1963.

LATVIJAS PSR PRESES HRONIKA. LETOPIS' PECHATI LATVIKOSI SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S.S.R.]. Issued by Latvijas PSR gramatu palata [Book Chamber of the Latvian S.S.R.]. Riga, no. 2, Feb. 1963. Vspomogatel'nye ukazatel'i za 1962 g. [Index for 1962]

LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 4, 1963. Vspomogatel'nye ukazatel'i k nos. 1-3 za 1963 god [Indexes to nos. 1-3 for 1963]

LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]. Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 16-19, 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seria 1: Fiziko-matematicheskie, khimicheskie i geologo-geograficheskie nauki; tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological, and Geographical Sciences; Technology and Technological Sciences]. Vol. 8, nos. 12-14, Apr.-May 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seria 2: Biologicheskie, meditsinskie i sotsialno-gigienicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]. Vol. 6, nos. 11-14, Apr.-May 1963.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seria 3: Obshchestvennye nauki, khudozhestvennnaia literatura, iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]. Vol. 6, nos. 11-14, Apr.-May 1963.

NAUJOS KNYGOS [NEW BOOKS]. Vilnius, no. 1(25), Jan.-Feb. 1963. [In Lithuanian]

NOVAIA LITERATURA O NAUKE I NAUCHNO-ISLEDOVATEL'SKOI RABOTE ZA RUBEZHOM [NEW LITERATURE ON SCIENCE AND RESEARCH ABROAD]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1963.

NOVAIA LITERATURA PO BOLGARII [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1963.

NOVAIA LITERATURA PO CHEKHOSLOVAKII [NEW LITERATURE ON CZECHOSLOVAKIA]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2/3, 1963.

NOVAIA LITERATURA PO POL'SHE [NEW LITERATURE ON POLAND]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1963.

NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO STRANAM ZARUBEZHNOGO VOSTOKA [NEW SOVIET AND FOREIGN LITERATURE ON THE COUNTRIES OF THE NON-SOVIET EAST]. Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2-3, 1963.

NOVE KNIGI ZA RUBEZHOM PO OBSHCHESTVENNYM NAUKAM; ekonomika, filosofia, istoria, mekhanika, rodnnye otnosheniia [NEW FOREIGN BOOKS ON THE SOCIAL SCIENCES; Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 6, nos. 4-5, Apr.-May 1963.

SOVETSKAIA BIBLIOGRAFIJA [SOVIET BIBLIOGRAPHY]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 1(77), 1963.

SVODNYI BIULETEN' NOVIKH INOSTRANNYKH KNIG, POSTUPIVSHIKH V BIBLIOTEKI SSSR. Seria D: Obshchestvennye nauki [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U.S.S.R. Series D: Social Sciences]. Moscow, no. 5 (65-66), 1962.

b. LIBRARIES & LIBRARY SCIENCE

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, nos. 2, 4, Feb., Apr. 1961.

BIBLIOTEKI SSSR [LIBRARIES OF THE U.S.S.R.]. Issued by Gosudarstvennaia biblioteka SSSR imeni V. I. Lenina [Lenin State Library of the U.S.S.R.]. Moscow, no. 21, 1962.

LENINGRAD. GOSUDARSTVENNYI BIBLIOTECHNYI INSTITUT. Trudy [STATE LIBRARY INSTITUTE. Transactions]. Vol. 9, 1961.

MOSCOW. VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Opyt raboty bibliotek s inostrannoi literaturoi [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Library Practices in Working With Foreign Materials]. Moscow, no. 5, 1963.

c. PRINTING & THE BOOK TRADE

MOSCOW. NAUCHNO-ISLEDOVATEL'SKII INSTITUT POLIGRAFICHESKOGO MASHINOSTROENIA. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF PRINTING MACHINERY MANUFACTURE. Transactions]. No. 13, 1961; nos. 16-17, 1962.

PECHAT' SSSR, 1962; statisticheskie materialy [THE PRESS OF THE U.S.S.R., 1962; statistical material]. Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, 1963.

POLIGRAFICHESKOE PROIZVODSTVO [PRINTING INDUSTRY]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, no. 3, Mar. 1963.

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie Soluz-peshali Ministerstva svyazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, nos. 8-12, Aug.-Dec. 1960.

SOVETSKAYA KNIZHNAIA TORGOVLIA [SOVIET BOOK TRADE]. Organ of Ministerstva kul'tury SSSR and Tsentral'nyi soluz potrebitel'skikh obshchestv SSSR [Ministry of Culture of the U.S.S.R. and the Central Union of Consumers Societies of the U.S.S.R.]. Moscow, vol. 14, no. 4, Apr. 1963.

3. PHILOSOPHY & RELIGION

a. PHILOSOPHY

NOVAYA INOSTRANNAIA LITERATURA PO FILOSOFII [NEW FOREIGN LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2/3, 1963.

NOVAYA SOVETSKAYA LITERATURA PO FILOSOFII [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1963.

UCHENYE ZAPISKI KAFEDR DIALEKTICHESKOGO I ISTORICHESKOGO MATERIALIZMA VYSSHEI PARTII-NOI SHKOLY PH TSK KPSS I MESTNYKH VYSSHIKH PARTIYNYKH SHKOL [STUDIES BY THE DEPARTMENTS OF DIALECTICAL AND HISTORICAL MATERIALISM OF THE HIGHER PARTY SCHOOL, ATTACHED TO THE CENTRAL COMMITTEE OF THE COMMUNIST PARTY OF THE SOVIET UNION, AND LOCAL HIGHER PARTY SCHOOLS]. Moscow, no. 3, 1963.

VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 17, no. 4, 1963.

*VOPROSY PSIKHOLOGII [PROBLEMS OF PSYCHOLOGY]. Issued by Akademiya pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, vol. 9, nos. 1-2, Jan.-Apr. 1963.

b. RELIGION

NAUKA I RELIGIYA [SCIENCE AND RELIGION]. Issued by Vsesoyuznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 4, no. 2, Feb. 1963.

NOVAYA SOVETSKAYA I INOSTRANNAIA LITERATURA PO VOPROSAM RELIGII I ATEIZMA [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF RELIGION AND ATHEISM]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 1-2/3, 1963.

ORTHODOX EASTERN CHURCH, RUSSIAN. Patriarch, Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]. Moscow, no. 3, Mar. 1963.

UKRAINS'KE PRAVOSLAVNE SLOVO. UKRAINIAN ORTHODOX WORD. Organ of the Ukrainian Orthodox Church of the United States of America. South Bound Brook, N.J., vol. 14, nos. 3, 6, Mar., June 1963.

VECHNOE [THE ETERNAL]. Paris, no. 6(185), May 1963.

VOIOVNYCHYI ATEIST [MILITANT ATHEIST]. Issued by Tovarystvo dila poshyrennia politicheskikh i naukovykh znan' Ukrain's'koi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, nos. 6, 8, June, Aug. 1961; vol. 3, nos. 4-5, Apr.-May 1963.

4. HISTORY

a. GENERAL

AKADEMIYA NAUK SSSR. Institut narodov Azii. Kratkie soobshchenia [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Peoples of Asia. Brief reports]. Moscow, no. 46, 1962.

INSTITUT ZUR ERFORSCHUNG DER UdSSR. Materialy i soobshchenia issledovatel'skogo otdela [INSTITUTE FOR THE STUDY OF THE U.S.S.R. Materials and Reports of the Research Department]. Munich, no. 38/39, Oct.-Nov. 1962.

ISTORICHESKIE ZAPISKI [HISTORICAL RECORDS]. Published by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 71-72, 1962; vol. 73, 1963.

ISTORIYA SSSR [HISTORY OF THE U.S.S.R.]. Issued by Institut istorii Akademii nauk SSSR [Institute of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 1, Jan.-Feb. 1963.

KALENDAR' ZNAMENATEL'NYKH I PAMIAT'NYKH DAT [CALENDAR OF SIGNIFICANT AND MEMORABLE DATES]. Issued by Izdatel'stvo "Sovetskaya Rossiya" and Gosudarstvennaya publikatsionnaya istoricheskaya biblioteka RSFSR ["Soviet Russia" Publishing House and the State Public Historical Library of the R.S.F.S.R.]. Moscow, vol. 8, nos. 4-5, Apr.-May 1963.

KISHINEV. GOSUDARSTVENNYI ISTORIKO-KRAEVED-CHESKII MUZEI. Trudy [STATE REGIONAL AND LOCAL HISTORY MUSEUM. Transactions]. For 1960, publ. 1961.

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Vestures instituta. Vestures problemas [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Institute of History. Problems in History]. Riga, vol. 5, 1962. [In Latvian]

NOVAYA INOSTRANNAIA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI [NEW FOREIGN LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1963.

NOVAYA SOVETSKAYA LITERATURA PO ISTORII, ARKHEOLOGII I ETNOGRAFI [NEW SOVIET LITERATURE ON HISTORY, ARCHAEOLOGY, AND ETHNOGRAPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1963.

PREPODAVANIE ISTORII V SHKOLE [TEACHING HISTORY IN SCHOOLS]. Issued by Ministerstvo prosveshcheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 18, no. 2, Mar.-Apr. 1962.

SKANDINAVSKII SBORNIK [SCANDINAVIAN PAPERS]. Issued by Tartuski gosudarstvennyi universitet [Tartu State University]. Tallinn, vol. 5, 1962.

UKRAINS'KYI ISTORYCHNYI ZHURNAL [UKRAINIAN HISTORICAL JOURNAL]. Issued by Institut istorii Akademii nauk URSR [Institute of History of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 6, no. 2, Mar.-Apr. 1963.

VOPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdelenie istoricheskikh nauk Akademii nauk SSSR [Department of History of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 38, no. 4, Apr. 1963.

b. ARCHAEOLOGY & ANTIQUITIES

AKADEMIYA NAUK SSSR. Institut arkhologii. Kratkie soobshchenia o dokladakh i polevykh issledovaniyakh [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]. Moscow, no. 80, 1962.

SOVETSKAYA ARKHEOLOGIYA [SOVIET ARCHAEOLOGY]. Issued by Institut arkhologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 2, 1963.

5. SOCIAL SCIENCES

a. COMMERCE

KOOPERATOR KAZAKHISTANA [THE COOPERATIVE WORKER OF KAZAKHSTAN]. Issued by Soluz potrebitel'skikh obshchestv Kazakhskoi SSR [Association of Consumer Societies of the Kazakh S.S.R.]. Alma-Ata, vol. 5, nos. 11-12, Nov.-Dec. 1962.

SOVETSKAYA TORGOVLIA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet po torgovle pri Sovete narodnogo khoziaistva SSSR [State Committee for Commerce, Attached to the Economic Council of the U.S.S.R.]. Moscow, vol. 36, no. 2, Feb. 1963.

*VNESHNIAIA TORGOVLIA [FOREIGN TRADE]. Organ of Ministerstva vneshnei torgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.]. Moscow, vol. 32, nos. 3-4, 1963.

b. ECONOMICS

EKONOMIKA RADIANS'KOI UKRAINY [ECONOMICS OF THE SOVIET UKRAINE]. Issued by Institut ekonomiky Akademii nauk URSR [Institute of Economics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 2, Mar.-Apr. 1963.

EKONOMIKA SEL'SKOGO KHOZIAISTVA [ECONOMICS OF AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 34, no. 3, Mar. 1963.

EKONOMIKA STROITEL'STVA [ECONOMICS OF CONSTRUCTION]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po delam stroitel'stva [State Committee of the Council of Ministers of the U.S.S.R. for Construction]. Moscow, no. 4, Apr. 1963.

LIAUDIES UKIS [THE NATIONAL ECONOMY]. Issued by Lietuvos TSR Valstybine plano komisija [State Planning Commission of the Lithuanian S.S.R.] and others. Vilnius, no. 4(54), Apr. 1963. [In Lithuanian]

MIROVAYA EKONOMIKA I MEZHODUNARODNYE OTNOSHENiya [WORLD ECONOMICS AND INTERNATIONAL RELATIONS]. Issued by Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii Akademii nauk SSSR [Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 2, 4, 1963.

NARODNOE KHOZIAISTVO ARMENII [THE NATIONAL ECONOMY OF ARMENIA]. Issued by Gosplan Soveta Ministrov Armianskoi SSR [State Planning Commission of the Council of Ministers of the Armenian S.S.R.]. Eriyan, nos. 3-5, 1963. [In Armenian]

NARODNOE KHOZIAISTVO UZBEKISTANA [THE NATIONAL ECONOMY OF UZBEKISTAN]. Issued by Gosudarstvennaya planovaya komissiya Soveta Ministrov Uzbekskoi SSR [State Planning Commission of the Council of Ministers of the Uzbek S.S.R.]. Tashkent, vol. 4, no. 1, Jan. 1963; vol. 5, nos. 2, 4, Feb., Apr. 1963.

NOVAYA SOVETSKAYA EKONOMICHESKAYA LITERATURA [NEW SOVIET ECONOMIC LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 3, 1963.

REFERATIVNYI SBORNIK: EKONOMIKA PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS: ECONOMICS OF INDUSTRY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.

SOVETSKAYA POTREBITEL'SKAYA KOOPERATSIYA [SOVIET CONSUMER COOPERATION]. Issued by Tsentral'nyi soluz potrebitel'skikh obshchestv SSSR [Central Union of Consumers Societies of the U.S.S.R.]. Moscow, vol. 7, no. 2, Feb. 1963.

UCHENYE ZAPISKI KAFEDR OBHCHESTVENNYKH NAUK VUZOV G. Leningrada. Politicheskaya ekonomiya [STUDIES BY THE DEPARTMENTS OF SOCIAL SCIENCES OF LENINGRAD INSTITUTIONS OF HIGHER EDUCATION; Economics]. Leningrad, no. 6, 1962.

UCHET I FINANSY V KOLKHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 20, no. 3, Mar. 1963.

VOPROSY EKONOMIKI [PROBLEMS OF ECONOMICS]. Issued by Institut ekonomiki Akademii nauk SSSR [Institute of Economics of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.

c. FINANCE

DEN'GI I KREDIT [MONEY AND CREDIT]. Published by Gosudarstvennyi bank SSSR [U.S.S.R. State Bank]. Moscow, vol. 21, no. 4, Apr. 1963.

FINANSY SSSR [FINANCE OF THE U.S.S.R.]. Issued by Ministerstvo finansov SSSR [Ministry of Finance of the U.S.S.R.]. Moscow, vol. 37, nos. 3-4, Mar.-Apr. 1963.

d. LABOR

OKHRANA TRUDA I SOTSIAL'NOE STRAKHOVANIE [PROTECTION OF LABOR AND SOCIAL INSURANCE]. Issued by Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. vol. 6, no. 3, Mar. 1963; no. 4, Apr. 1963.

RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by Tsentral'nyi komitet Komunisticheskoi partii Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol. 39, nos. 2-4, Feb.-Apr. 1963.

SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems]. Moscow, vol. 8, no. 4, Apr. 1963.

SOVETSKIE PROFSOLUZY [SOVIET TRADE UNIONS]. Issued by Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 19, no. 7(265), Apr. 1963.

VSEMIRONOE PROFSOLUZOVOE DVIZHENIE [WORLD TRADE-UNION MOVEMENT]. Organ of Vsemirnaya federatsiia profsoluzov [World Federation of Trade Unions]. Moscow, no. 4, Apr. 1963.

e. SOCIOLOGY

KAZACH'IA ZHIZN' [COSSACK LIFE]. Issued by Vtoroi otdei Kazach'e-amerikanskogo narodnogo soluza [Second Division of the Cossack American National Alliance, Inc.]. Providence, R.I., vol. 10, no. 118, Dec. 1962; vol. 11, no. 119, Jan. 1963.

KAZAKSTAN EILDERI [KAZAKHSTAN WOMAN]. Alma-Ata, no. 4, 1963. [In Kazakh]

KLUB [THE CLUB]. Organ of Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 12, no. 10, Oct. 1962; vol. 12, no. 2, Feb. 1963.

KOMSOMOL'SKAYA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 2, Jan. 1962; nos. 4, 6, Feb.-Mar. 1963.

KYRGYZSTAN AIALDARY [KIRGHIZISTAN WOMAN]. Frunze, vol. 12, no. 5(101), Sep. 1962; vol. 13, no. 4(108), Apr. 1963. [In Kirghiz]

NOUKOGUDE NAINI [SOVIET WOMAN]. Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, no. 5, 1963. [In Estonian]

PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas komunistiskas partijas Centrala komiteja [Central Committee of the Communist Party of Latvia]. Riga, nos. 4(128)-5(129), Apr.-May 1963. [In Latvian]

RADIANS'KA ZHINKA [SOVIET WOMAN]. Issued by Ukrain'ska respublikans'ka rada professiinykh spilok and Spilka radians'kykh pys'mennykh Ukrainy [Ukrainian Republic Council of Trade Unions and the Association of Soviet Writers of the Ukraine]. Kiev, vol. 18, no. 4(208), Apr. 1963.

SMENA [THE YOUNGER GENERATION]. Organ of Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 39, nos. 11-12, 16-18, 23, June, Aug.-Sep., Dec. 1962; vol. 40, no. 9, May 1963.

SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY]. Issued by Ministerstvo sotsial'nogo obespecheniia RSFSR [Ministry of Social Security of the R.S.F.S.R.]. Moscow, vol. 24, nos. 3-4, Mar.-Apr. 1963.

SOVET TURKMENISTANYNYN AIALARY [SOVIET TURKMENISTAN WOMAN]. Organ of Tsk KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, no. 4(118), Apr. 1963. [In Turkmen]

SOVETSKAYA ZHENSCHINA [SOVIET WOMAN]. Organ of Komitet sovetskikh zhenshchin i Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [Committee of Soviet Women and the All-Union Central Council of Trade Unions]. Moscow, vol. 19, no. 6, 1963.

TARYBINE MOTERIS [SOVIET WOMAN]. Issued by Lietuvos komunistu partijos Centro komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 4(138), Apr. 1963. [In Lithuanian]

ZHENSCHINY MIRA [WOMEN OF THE WHOLE WORLD]. Issued by Mezhdunarodnaya demokraticeskaya federatsiia zhenshchin [Women's International Democratic Federation]. Berlin, no. 12, 1962; nos. 1, 3, 1963.

ZMINA [THE YOUNGER GENERATION]. Issued by Tsentral'nyi komitet Lenins'koho kommunisticheskogo soluzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no. 5(122), May 1963.

6. POLITICAL SCIENCE

AGITATOR [AGITATOR]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soluza [Central Committee of the Communist Party of the Soviet Union]. Moscow, nos. 14-15, July-Aug. 1962; no. 9, May 1963.

BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK]. Issued by Otdel propagandy i agitatsii Tsentral'nogo Komiteta Kommunisticheskoi partii Gruzii [Propaganda and Dissemination Section of the Central Committee of the Communist Party of Georgia]. Tiflis, vol. 19, no. 23, Dec. 1962.

BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK]. Issued by Otdel propagandy i agitatsii Tsentral'nogo Komiteta Kommunisticheskoi partii Ukrainy [Propaganda and Dissemination Section of the Central Committee of the Communist Party of the Ukraine]. Kiev, no. 3, Jan. 1959; nos. 1, 9, Jan., Mar. 1960.

CHASOVOI [THE SENTRY]. Organ of Rossiiskoe natsional'noe dvizhenie [Russian National Movement]. Brussels, no. 444(5), May 1963.

EESTI KOMMUNIST [COMMUNIST OF ESTONIA]. Issued by Eestimaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 19, no. 5, May 1963. [In Estonian]

KAZAKSTAN KOMMUNISI [COMMUNIST OF KAZAKHSTAN]. Issued by the Communist Party of Kazakhstan. Alma-Ata, vol. 42, nos. 4-5, Apr.-May 1963. [In Kazakh]

KOMMUNIST [COMMUNIST]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania]. Vilnius, vol. 48, no. 4(466), Apr. 1963.

KOMMUNIST [COMMUNIST]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soluza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 40, nos. 6-7, Apr.-May 1963.

KOMMUNIST [COMMUNIST]. Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 37, nos. 4-5, Apr.-May 1963. [In Kirghiz]

KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 37, no. 3, Mar. 1963.

KOMMUNIST ESTONII [COMMUNIST OF ESTONIA]. Issued by Tsk Kompartii Estonii [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 13, no. 4, Apr. 1963.

KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 18, nos. 5-6, May-June 1963.

KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by Tsentral'nyi Komitet Komunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 38, nos. 3-4, Mar.-Apr. 1963.

KOMMUNIST UZBEKISTANA [COMMUNIST OF UZBEKISTAN]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, vol. 35, no. 3, Mar. 1963.

KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN]. Issued by the Central Committee of the Communist Party of Tajikistan. Dushanbe, vol. 29, no. 4, Apr. 1963. [In Tajik]

KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE]. Issued by Tsentral'nyi Komitet Komunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 38, no. 5, May 1963. [In Ukrainian]

KOMUNISTAS [COMMUNIST]. Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 3(465), Mar. 1963. [In Lithuanian]

LENINIAN UGIOV [LENIN'S WAY]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia]. Erivan, vol. 42, nos. 4-5, Apr.-May 1963. [In Armenian]

MEZHDUNARODNAYA ZHIZN' [INTERNATIONAL LIFE]. Published by Vsesoluznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy [All-Union Society for the Dissemination of Political and Scientific Knowledge]. Moscow, vol. 10, no. 5, May 1963.

MOLODOI KOMMUNIST [THE YOUNG COMMUNIST]. Issued by Tsentral'nyi komitet Vsesoluznogo leninskogo kommunisticheskogo soluza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 7, 11, July, Nov. 1962; no. 2, Feb. 1963.

MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. Uchenye zapiski [INSTITUTE OF INTERNATIONAL RELATIONS. Studies]. No. 10, 1962. Seriya iuridicheskaya [Juridical Series]

MOSCOW. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]. No. 19(466), Oct. 1958; nos. 4(514)-5(516), 7(517)-8(518), Feb.-Apr. 1963.

NOVOE VREMIA [NEW TIMES]. Moscow, vol. 20, no. 10(937), May 1963.

PADOMJU LATVIJAS KOMUNISTI [COMMUNIST OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, vol. 18, no. 5, May 1963. [In Latvian]

PARTIJA TURMUSHI [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, no. 4, Apr. 1963. [In Uzbek]

PARTIYNAYA ZHIZN' [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soluza [Central Committee of the Communist Party of the Soviet Union]. Moscow, nos. 8-9, Apr.-May 1963.

PARTIINALA ZHIZN' KAZAKHSTANA [PARTY LIFE OF KAZAKHSTAN]. Issued by Tsentral'nyi Komitet KP Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 33, no. 3, Mar. 1963.

POLITICHESKOE SAMOOBRAZOVANIE [POLITICAL SELF-EDUCATION]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 7, no. 3, Mar. 1963.

PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM]. Prague, vol. 6, no. 6(57), May 1963.

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 7, nos. 15(237)-17(239), Apr. -May 1963.

RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]. Moscow, vol. 26, nos. 19 (1158)-22(1161), May 1963.

RUSSKOE DELO. RUSSIAN CAUSE. Issued by Predstavitel'stvo rossiiskikh emigrantov v Amerike [Russian Immigrants' Representative Association in America]. New York, vol. 5, no. 2(50), Feb. 1963.

SOVETY DEPUTATOV TRUDASHCHIKHSIA [SOVIETS OF WORKERS' DEPUTIES]. Issued by the newspaper "Izvestiia." Moscow, no. 4, Apr. 1963.

SVOBODA [FREEDOM]. Issued by Tsentral'noe obshchestvenno-politicheskoe emigrantov iz SSSR [Central Association of Political Refugees from the U. S. S. R.]. Munich, vol. 12, no. 2/3(128-129), Feb. -Mar. 1963.

ЎЗБЕКISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN]. Issued by the Central Committee of the Communist Party of Uzbekistan. Tashkent, vol. 35, no. 4, Apr. 1963. [In Uzbek]

ZNAMIA ROSSII; organ russkoi nezavisimoi monarkhicheskoi mysli [THE BANNER OF RUSSIA; Organ of Russian Independent Monarchistic Thought]. New York, vol. 18, no. 229, Feb. 1963.

7. LAW

LENINGRAD. TSENTRAL'NYI NAUCHNO-ISSLEDOVATELSKII INSTITUT MORSKOGO FLOTA. Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE. Information Bulletin]. No. 76, 1962. Morskoe pravo i praktika [Maritime Law and Practice], no. 17.

RADIANS'KE PRAVO [SOVIET LAW]. Organ of Ministerstva iustitsii URSS [Ministry of Justice of the Ukrainian S. S. R.] and others. Kiev, nos. 1-2, Jan. -Apr. 1958; no. 3, May-June 1962; no. 2, Mar. -Apr. 1963.

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sud. Bulletin [Supreme Court. Bulletin]. Moscow, no. 0, 1962; no. 3, 1963.

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovanii. Izvestiia vysshikh uchelnykh zavedenii; pravovedenie [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Jurisprudence]. Moscow, vol. 6, no. 2, 1962.

SOTSIALISTICHESKAIA ZAKONNOST' [SOCIALIST LEGALITY]. Organ of Prokuratura SSSR [Attorney General's Office of the U. S. S. R.]. Moscow, vol. 30, no. 7, July 1962.

SOVETSKAIA IUSTITSIA [SOVIET JUSTICE]. Issued by Ministerstvo iustitsii and Verkhovnyi Sud RSFSR [Ministry of Justice and the Supreme Court of the R. S. F. S. R.]. Moscow, no. 8, Apr. 1963.

8. EDUCATION

a. GENERAL

AKADEMIIA PEDAGOGICHESKIH NAUK RSFSR, Moscow. Izvestiia [ACADEMY OF PEDAGOGICAL SCIENCES OF THE R. S. F. S. R. Bulletin]. Moscow, no. 122, 1962.

DOSHIL'NE VYKHOVANNIA [PRESCHOOL EDUCATION]. Organ of Ministerstvo osvity URSS [Ministry of Education of the Ukrainian S. S. R.]. Kiev, vol. 24, nos. 1, 3, Mar., June, 1963.

DOSHIL'NOE VOSPIITANIE [PRESCHOOL EDUCATION]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 36, nos. 2-3, Feb. -Mar. 1963.

KUL'TURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.]. Moscow, vol. 23, no. 11, Nov. 1962; vol. 24, no. 2, Feb. 1963.

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 31, nos. 2-3, Feb. -Mar. 1963.

NARODNAIA ASVETA [PUBLIC EDUCATION]. Ministerstvo osvity BSSR [Ministry of Education of the White Russian S. S. R.]. Minsk, nos. 6-7, 9-11, June-July, Sep. -Nov. 1961; no. 5, May 1962.

NARODNOE OBRAZOVANIE [PUBLIC EDUCATION]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 4, Apr. 1963.

NOUKOGUDE KOOL [SOVIET SCHOOL]. Issued by Eesti Nougude Sotsialistliku Vabariigi Haridusministeerium [Ministry of Education of the Estonian S. S. R.]. Tallinn, vol. 21, no. 5, May 1963. [In Estonian]

PADOMJU LATVIJAS SKOLA [THE SCHOOL IN SOVIET LATVIA]. Issued by LPSR Izglitiba ministrija [Ministry of Education of the Latvian S. S. R.]. Riga, no. 4, Apr. 1963. [In Latvian]

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovanii. Bulletin [Ministry of Higher and Secondary Specialized Education. Bulletin]. Moscow, no. 4, Apr. 1963.

SHKOLA I PROIZVODSTVO [SCHOOL AND INDUSTRY]. Issued by Ministerstvo prosveshcheniia RSFSR po voprosam trudovogo vospitaniia politsekhnikeskogo i proizvodstvennogo obrazovanii [Ministry of Education of the R. S. F. S. R. on Problems in Labor Training Through the System of Polytechnic and Industrial Education]. Moscow, vol. 7, nos. 2, 3, Feb., Apr. 1963.

SHKOLA-INTERNAT [BOARDING SCHOOL]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, nos. 1-2, Jan. -Apr. 1963.

SOVET MAKTABI [SOVIET SCHOOL]. Organ of Ministerstvo prosveshcheniia Uzbekskoi SSR [Ministry of Education of the Uzbek S. S. R.]. Tashkent, no. 4, Apr. 1963. [In Uzbek]

SOVETAKAN MANKAVARZH. SOVETSKII PEDAGOG [SOVIET TEACHER]. Issued by Ministerstvo prosveshcheniia Armaniskoi SSR [Ministry of Education of the Armenian S. S. R.]. Yerevan, no. 3, 1963. [In Armenian]

SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY]. Issued by Akademiiu pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R. S. F. S. R.]. Moscow, vol. 27, nos. 1, 4, Jan., Apr. 1963.

SREDNEE SPETSIAL'NOE OBRAZOVANIE [SECONDARY SPECIALIZED EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovanii SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 10, no. 4, Apr. 1963.

TARYBINE MOKYKLA [SOVIET SCHOOL]. Organ of Lietuvos TSR Sveikimo ministerija [Ministry of Education of the Lithuanian S. S. R.]. Vilnius, nos. 4-5, Apr. -May 1963. [In Lithuanian]

VESTNIK VYSSHEI SHKOLY [REVIEW OF SCHOOLS FOR HIGHER EDUCATION]. Organ of Ministerstvo vysshego i srednego spetsial'nogo obrazovanii SSSR [Ministry of Higher and Secondary Specialized Education of the U. S. S. R.]. Moscow, vol. 21, no. 3, Mar. 1963.

VSEMIKRYE STUDENCHESKIE NOVOSTI [WORLD STUDENT NEWS]. Issued by Mezhdunarodnyi soluz studentov [International Student Association]. Moscow, vol. 16, nos. 3/4-7, Mar. -July 1961.

ZHYTTIA I SHKOLA [LIFE AND SCHOOL]. New Haven, vol. 9, no. 5/6(75-76), May-June 1963.

b. PHYSICAL EDUCATION & GAMES

LEGKAAI ATLETIKA [TRACK AND FIELD ATHLETICS]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 9, no. 4(95), Apr. 1963.

SAHS [CHESS]. Issued by Latvijas PSR Sporta biedrību un organizāciju savienība and Saha federācija [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S. S. R.]. Riga, no. 24(80), Dec. 1962. [In Latvian]

SHAKHMATY [CHESS]. Issued by Soluz sportivnykh obshchestv i organizatsii i Shakhmatnaja federatsiia Latvieskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S. S. R.]. Riga, nos. 7(70)-10(82), Apr. -May 1963.

SPORTIVNAIA ZHIZN' ROSSII [SPORT LIFE IN RUSSIA]. Organ of Vsesoiuzskii sovet Soluza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 7, no. 5, 1963.

TEORIJA I PRAKTIKA FIZICHESKOI KULTURY [THEORY AND PRACTICE OF PHYSICAL CULTURE]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 26, nos. 3-4, Mar. -Apr. 1963.

9. MUSIC, THEATER & MOTION PICTURES

a. MOTION PICTURES

ISKUSTVO KINO [CINEMA ART]. Organ of Ministerstva kul'tury SSSR and Soluz rabotnikov kinematografii SSSR [Ministry of Culture of the U. S. S. R. and of the Association of Cinematographic Workers of the U. S. S. R.]. Moscow, vol. 33, nos. 2-3, 1963.

KINOMEKHANIK [MOTION-PICTURE OPERATOR]. Issued by Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, no. 5, May 1963.

SOVETSKII EKLAN [THE SOVIET SCREEN]. Organ of Ministerstvo kul'tury SSSR and Soluz rabotnikov kinematografii SSSR [Ministry of Culture of the U. S. S. R. and the Union of Motion-Picture Workers of the U. S. S. R.]. Moscow, nos. 9(153)-10(154), May 1963.

SOVETSKOE RADIO I TELEVIDENIE [SOVIET RADIO AND TELEVISION]. Issued by Gosudarstvennyi komitet po radioveshchaniu i televideniiu pri Sovete Ministrov SSSR [State Committee on Radiobroadcasting and Television, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 11, no. 11, Nov. 1962; vol. 12, no. 1, Jan. 1963.

TEKHNIKA KINO I TELEVIDENIIA [MOTION-PICTURE AND TELEVISION ENGINEERING]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, vol. 7, no. 4, Apr. 1963.

b. MUSIC

MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soluz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U. S. S. R. and the Ministry of Culture of the U. S. S. R.]. Moscow, vol. 6, nos. 8, 9-10, Mar. -May 1963.

SOVETSKAIA MUZYKA [SOVIET MUSIC]. Organ of Soluz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U. S. S. R. and the Ministry of Culture of the U. S. S. R.]. Moscow, vol. 27, nos. 1-4, Jan. -Apr. 1963.

c. THEATER

KHUDOZHESTVENNAIA SAMODEIATEL'NOST' [AMATEUR ART ACTIVITIES]. Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 6, no. 4, Apr. 1963.

SOVETSKII TSIRK [THE SOVIET CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.]. Moscow, vol. 7, nos. 4(67)-5(68), Apr. - May 1963.

TEATR [THEATER]. Organ of Ministerstvo kul'tury SSSR and Soluz pisatelei SSSR [Ministry of Culture of the U. S. S. R. and Association of Writers of the U. S. S. R.]. Moscow, vol. 24, nos. 3-4, Mar. - Apr. 1963.

TEATRAL'NAIA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R. S. F. S. R.] and others. Moscow, no. 9, May 1963.

10. FINE ARTS

a. GENERAL

ISKUSSTVO [ART]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U. S. S. R.] and others. Moscow, vol. 25, no. 12, 1962; vol. 26, no. 2, 1963.

KHUDOZHNIK [ARTIST]. Issued by Soluz khudozhnikov RSFSR [Association of Artists of the R. S. F. S. R.]. Moscow, vol. 6, no. 5, 1963.

LENINGRAD, ERMITAZH. Soobshcheniia [HERMITAGE. Reports]. No. 23, 1962.

SOVETSKOE FOTO [THE SOVIET PHOTO]. Issued by Soluz zhurnal'istov SSSR [Association of Journalists of the U. S. S. R.]. Moscow, vol. 22, no. 7, July 1962; vol. 23, nos. 2-3, Feb. - Mar. 1963.

TVORCHESTVO [CREATIVE WORK]. Issued by Soluz khudozhnikov SSSR [Association of Artists of the U. S. S. R.]. Moscow, no. 4(76), 1963.

b. ARCHITECTURE

ARKHITEKTURA SSSR [ARCHITECTURE OF THE U. S. S. R.]. Organ of Akademiia stroitel'stva i arkhitektury SSSR and Soluz arkhitektorov SSSR [Academy of Construction and Architecture of the U. S. S. R. and the Association of Architects of the U. S. S. R.]. Moscow, no. 4, 1963.

PROBLEMY SOVETSKOGO GRADOSTROITEL'STVA [PROBLEMS OF SOVIET CITY PLANNING]. Issued by Institut gradostroitel'stva i raionnoi planirovki Akademii stroitel'stva i arkhitektury SSSR [Institute of City Development and Area Planning of the Academy of Building and Architecture of the U. S. S. R.]. Moscow, no. 10, 1963.

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Construction and Architecture]. Moscow, vol. 6, no. 3, 1963.

STROITEL'STVO I ARKHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodskogo soveta deputatov trudashchikh [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol. 24, no. 12, Dec. 1962; vol. 25, no. 4, Apr. 1963.

STROITEL'STVO I ARKHITEKTURA MOSKVI [CONSTRUCTION AND ARCHITECTURE IN MOSCOW]. Issued by Ispolkom Moskovskogo gorodskogo soveta deputatov trudashchikh [Executive Committee of the Moscow City Soviet of Workers' Deputies]. Moscow, vol. 11 [i.e.], no. 4, Apr. 1963.

11. LANGUAGE, LITERATURE & FOLKLORE

a. LANGUAGE

DOSLIDZHENNA I MATERIALY Z UKRAINS'KOI MOVY [STUDIES AND MATERIALS ON THE UKRAINIAN LANGUAGE]. Issued by Institut suspil'nykh nauk Akademii nauk URSR [Institute of Social Sciences of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 3, 1960.

INOSTRANNYE IAZYKI V SHKOLE [FOREIGN LANGUAGES IN SCHOOLS]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, nos. 1-2, Jan. - Apr. 1963.

IRKUTSK. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT INOSTRANNYKH IAZYKOV. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE OF FOREIGN LANGUAGES. Studies]. No. 6, 1962.

KALBOS KULTURA [SPEECH CULTURE]. Issued by Lietuvos TSR Mokslu akademijos Lietuviu kalbos ir literaturos institutas [Institute of the Lithuanian Language and Literature of the Academy of Sciences of the Lithuanian S. S. R.]. Vilnius, vol. 3, 1962. [In Lithuanian]

KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]. Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanike Liit [Academy of Sciences of the Estonian S. S. R. and the Association of Writers of the Estonian S. S. R.]. Tallinn, vol. 6, no. 4, Apr. 1963. [In Estonian]

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Valodas un literaturas instituts. Raksti [ACADEMY OF SCIENCES OF THE LATVIAN S. S. R. Institute of Language and Literature. Transactions]. Riga, vol. 9, 1958; vol. 12, 1960. [In Latvian]

MOSCOW. INSTITUT MEZHDUNARODNYKH OTNOSHENII. Zapadnyi fakultet. Uchenye zapiski kafedri inostrannykh iazykov [INSTITUTE OF INTERNATIONAL RELATIONS. Western Faculty. Studies of Departments of Foreign Languages]. Moscow, no. 3, 1960.

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNA- NIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naiia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 3, 1963.

PREPODAVANIE AZERBAIDZHANSKOGO IAZYKA I LITERATURY; metodicheski sbornik [TEACHING THE AZERBAIJANI LANGUAGE AND LITERATURE; Methodology]. Supplement to the Magazine "Azerbaidzhan Mektebi." Baku, no. 1, 1963. [In Azerbaijani]

RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshikh shkol; filologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers and Higher Schools; Philological Sciences]. Moscow, vol. 6, no. 1(21), 1963.

STAT'II I MATERIALY PO BOLGARSKOI DIALEKTOLOGII SSSR [ARTICLES AND MATERIALS ON BULGARIAN DIALECTS OF THE U. S. S. R.]. Issued by Institut slavovedeniia Akademii nauk SSSR [Institute of Slavic Studies of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, 1962.

VOPROSY IAZYKA I LITERATURY [PROBLEMS OF LANGUAGE AND LITERATURE]. Issued by Institut mezhdunarodnykh otnoshenii [Institute of International Relations]. Moscow, no. 3, 1962.

b. LITERATURE & FOLKLORE

AZERBAICHAN [AZERBAIJAN]. Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, no. 4, Apr. 1963. [In Azerbaijani]

BAIKAL. Organ of Soluz pisatelei i Ministerstvo kul'tury Buriatskoi ASSR [Association of Writers and the Ministry of Culture of the Buryat A. S. S. R.]. Ulan-Ude, vol. 8, no. 2, Mar. - Apr. 1963.

DAL'NII VOSTOK [FAR EAST]. Organ of Khabarovskoe otdelenie Soluza pisatelei RSFSR [Khabarovsk Branch of the Association of Writers of the R. S. F. S. R.]. Khabarovsk, vol. 30, no. 2, Mar. - Apr. 1963.

DILA [MORNING]. Issued by Tsentral'nyi komitet leninskogo kommunisticheskogo soiuza molodezhi Gruzii and Respublikanski soviet organizatsii iunykh pionerov im. V. I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers]. Tiflis, nos. 2-3, Feb. - Mar. 1963. [In Georgian]

DNIPRO [DNEPER]. Organ of Tsentral'nyi komitet Lentins'koho komunistychnoho soiuza molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine]. Kiev, vol. 37, nos. 3-4, Mar. - Apr. 1963.

DON. Organ of Rostovskoe oblastnoe otdelenie Soluza pisatelei RSFSR [Rostov Province Branch of the Association of Writers of the R. S. F. S. R.]. Rostov-on-Don, vol. 7, nos. 3-4, Mar. - Apr. 1963.

DROSHA [THE BANNER]. Published by the Publishing House of the Central Committee of the Communist Party of Georgia. Tiflis, no. 4(141), Apr. 1963.

DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]. Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Moscow, no. 4, 1963.

IUNOST' [YOUTH]. Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.]. Moscow, vol. 9, no. 4, Apr. 1963.

KAROGS [THE BANNER]. Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Latvia]. Riga, nos. 5-6, May-June 1963. [In Latvian]

KUBAN'. Literaturno-khudozhestvennyi al'manakh [KUBAN; Literary Almanac]. Issued by Krasnodarskoe kraevoe otdelenie Soluza pisatelei RSFSR [Krasnodar Territory Branch of the Association of Writers of the R. S. F. S. R.]. Krasnodar, no. 4(27), 1960.

LITERATURA I ISKUSSTVO NARODOV SSSR I ZARU-BEZHNYKH STRAN; bibliograficheski biulleten' [LITERATURE AND ART OF THE PEOPLES OF THE U. S. S. R. AND FOREIGN COUNTRIES; Bibliographical Bulletin]. Issued by Vsesoiuznaya knizhnaya palata and Vsesoiuznaya gosudarstvennaya biblioteka inostrannoi literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature]. Moscow, no. 2, 1963.

LITERATURNAIA ARMENIA [LITERARY ARMENIA]. Organ of Soluz pisatelei Armenii [Association of Writers of Armenia]. Erivan, nos. 3-4, Mar. - Apr. 1963.

LITERATURNAIA GRUZIA [LITERARY GEORGIA]. Organ of Soluz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol. 7, no. 4, Apr. 1963.

LOOMING [CREATIVE WORK]. Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S. S. R.]. Tallinn, no. 5, May 1963. [In Estonian]

MOKSHA; literaturno-khudozhestvennyi i obshchestvenno-politicheski zhurnal [MOKSHA; Literary and Socio-political Almanac]. Saransk, no. 2, Mar. - Apr. 1963. [In Mordvinian]

MOSKVA [MOSCOW]. Organ of Soluz pisatelei RSFSR and Moskovskoe otdelenie Soluza pisatelei [Association of Writers of the R. S. F. S. R. and the Moscow Branch of the Association of Writers]. Moscow, vol. 6, nos. 5-12, 1962; vol. 7, nos. 1-3, 1963.

MOSTY; literaturno-khudozhestvennyi i obshchestvenno-politicheski al'manakh [BRIDGES; Literary and Socio-political Almanac]. Issued by Tsentral'noe ob'edinenie politicheskikh emigrantov iz SSSR [Central Association of Political Emigrants from the U. S. S. R.]. Munich, vol. 10, 1963.

NA RUBEZHE [AT THE FRONTIER]. Issued by Soluz pisatelei Karelskoi ASSR [Association of Writers of the Karelian A. S. S. R.]. Petrozavodsk, vol. 24, no. 2, Mar. - Apr. 1963.

NASH SOVREMENNIIK [OUR CONTEMPORARY]. Organ of Soluz pisatelei RSFSR [Association of Writers of the R. S. F. S. R.]. Moscow, vol. 2, 1963.

NEMAN [NEMAN RIVER]. Organ of Soluz pisatelei BSSR [Association of Writers of the White Russian S. S. R.]. Minsk, vol. 12, no. 2, Mar. - Apr. 1963.

NEVA. Organ of Soluz pisatelei RSFSR and Leningradskoe otdelenie Soluza pisatelei [Association of Writers of the R. S. F. S. R. and the Leningrad Branch of the Association of Writers]. Leningrad, nos. 7-12, 1962; nos. 1-4, 1963.

NISTRUL [DNIESTER RIVER]. Organ of the Association of Soviet Writers of the Moldavian S. S. R. Kishinev, vol. 32, no. 4, 1963. [In Moldavian]

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naiia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 3, 1963.

NOVAIA SOVETSKAIA LITERATURA PO LITERATUROVEDENIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE]. Issued by Fundamental'naiia biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 3, 1963.

NOVYI ZHURNAL. THE NEW REVIEW. New York, vol. 22, no. 72, 1963.

PERGALE [THE VICTORY]. Organ of Lietuvos TSR tarybinu rasytoju sajunga [Association of Soviet Writers of the Lithuanian S.S.R.]. Vilnius, no. 4, 1963. [In Lithuanian]

POLYMIA [FLAME]. Organ of Satuz pis'mennikau BSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol. 41, no. 4, Apr. 1963.

PRAPOR; Literaturno-khudozhnii ta hromads'ko-politychnyi zhurnal [BANNER; Literary and Sociopolitical Magazine]. Issued by Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Kharkov, no. 2, 1963.

PROSTOR [WIDE-OPEN SPACES]. Organ of Soluz pisatel'ei Kazakhstana [Association of Writers of Kazakhstan]. Alma-Ata, vol. 30, no. 3, Mar. 1963.

RADUGA [THE RAINBOW]. Organ of Pravlenie Soluza pisatel'ei Ukrainy [Administration of the Association of Writers of the Ukraine]. Kiev, vol. 13, nos. 3-4, Mar.-Apr. 1963.

SHARK IULDUZI [STAR OF THE EAST]. Organ of the Association of Soviet Writers of Uzbekistan. Tashkent, vol. 31, no. 4, Apr. 1963. [In Uzbek]

SHARKI SURKH [THE RED EAST]. Organ of the Association of Writers of Tajikistan. Dushanbe, no. 3, Mar. 1963. [In Tajik]

SOVET EDEBHIATY [SOVIET LITERATURE]. Organ of Soluz pisatel'ei Tatarii [Association of Writers of Tataria]. Kazan, vol. 42, no. 5, May 1963. [In Tatar]

SOVET EDEBHIATY [SOVIET LITERATURE]. Organ of Soluz sovet'skikh pisatel'ei TSSR [Association of Writers of the Turkmen S.S.R.]. Ashkhabad, no. 1, Jan. 1963. [In Turkmen]

SOVETAKAN GRAKANUTIUN [SOVIET LITERATURE]. Organ of the Association of Soviet Writers of Armenia. Eriivan, no. 4, 1963. [In Armenian]

SOVETSKAIA PECHAT' [SOVIET PRESS]. Issued by Soluz zhurnal'istov SSSR [Association of Journalists of the U.S.S.R.]. Moscow, nos. 3-4, Mar.-Apr. 1963.

SUCKASNIET'; literatura, mysl'tetstvo, suspi'ne zhyttia [OUR TIME; Literature, Art, and Social Problems]. Munich, vol. 3, no. 5(29), May 1963.

VTCHYZNA [OUR COUNTRY]. Organ of Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Kiev, vol. 31, no. 5, May 1963.

VOLZHSKII AL'MANAKH [VOLGA ALMANAC]. Organ of Gor'kovskoe otdelenie Soluza pisatel'ei Rossiiskoi Federatsii [Gorky Branch of the Association of Writers of the Russian Federation]. Gorkiy, no. 15, 1962.

VOPROSY LITERATURY [PROBLEMS OF LITERATURE]. Organ of Soluz pisatel'ei SSSR and Institut mirovoi literatury Akademii nauk SSSR [Association of Writers of the U.S.S.R. and the Institute of World Literature of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 2, Feb. 1963.

VOZROZHDENIE [RENAISSANCE]. Paris, no. 138, June 1963.

ZEMLIA RODNAIA [NATIVE LAND]. Penza, nos. 1(32)-2(33), 1962.

ZNAMIA [THE BANNER]. Organ of Soluz pisatel'ei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 33, no. 2, Feb. 1963.

ZVEZDA VOSTOKA [STAR OF THE EAST]. Organ of Soluz pisatel'ei Uzbekistana [Association of Writers of Uzbekistan]. Tashkent, vol. 31, nos. 3-4, Mar.-Apr. 1963.

12. GEOGRAPHY & GEOLOGY

a. ETHNOLOGY

AKADEMIIA NAUK SSSR. Institut etnografii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Ethnography. Transactions]. Moscow, vol. 80, 1962.

NARODNA TVORCHIST' TA ETNOGRAFIJA [FOLK ART AND ETHNOGRAPHY]. Issued by Institut mysl'tetstva, fol'kloru ta etnografii Akademii nauk URSS and Ministerstvo kul'tury Ukrain'skoi RSR [Institute of Fine Arts, Folklore, and Ethnography of the Academy of Sciences of the Ukrainian S.S.R. and the Ministry of Culture of the Ukrainian S.S.R.]. Kiev, vol. 6, no. 4, Oct.-Dec. 1962.

b. GEOGRAPHY

AKADEMIIA NAUK SSSR. Izvestiia. Seriya geograficheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geographical Series]. Moscow, no. 2, Mar.-Apr. 1963.

GEOGRAFICHESKOE OBSHCHESTVO SSSR. Izvestiia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Bulletin]. Moscow, vol. 95, no. 1, Jan.-Feb. 1963.

GEOGRAFIJA V SHKOLE [GEOGRAPHY IN SCHOOLS]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 26, no. 2, Mar.-Apr. 1963.

LENINGRAD. ARKTICHESKII I ANTARKTICHESKII NAUCHNO-ISSLEDOVATELSKII INSTITUT. Trudy [ARCTIC AND ANTARCTIC SCIENTIFIC RESEARCH INSTITUTE. Transactions]. Vol. 248, 1962. Contents: [Tables of observations performed on the drifting research stations "North Pole-6" and "North Pole-7" in 1958 and 1959] Materialy nabitudeni nauchno-issledovatel'skikh dretfuiushchikh stantsii "Severnyi polius-6" i "Severnyi polius-7" 1958-1959 god. 627 p.

OKEANOLOGIJA [OCEANOLOGY]. Issued by Okeanograficheskaya komissia Akademii nauk SSSR [Oceanographic Commission of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 2, 1963.

REFERATIVNYI ZHURNAL: GEOGRAFIJA [JOURNAL OF ABSTRACTS: GEOGRAPHY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 4-5, Apr.-May 1963. Avtor'skii ukazatel' za 1962 g. [Author Index for 1962], 1963.

c. GEOLOGY & PALEONTOLOGY

AKADEMIIA NAUK AZERBAIDZHANSKOI SSR, Baku. Izvestiia. Seriya geologo-geograficheskikh nauk i nef'ti [ACADEMY OF SCIENCES OF THE AZERBAIDZHAN S.S.R. Bulletin. Series in the Geological and Geographical Sciences and Petroleum]. Baku, no. 6, 1962.

AKADEMIIA NAUK SSSR. Geologicheskii Institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Geological Institute. Transactions]. Moscow, no. 65, 1962. Contents: Menner, V. V. [Biostratigraphical bases for the correlation of marine, lagoon, and continental series] Biostratigraphicheskie osnovy sopostavleniia morskikh, lagunnykh i kontinental'nykh svit. 374 p.

AKADEMIIA NAUK SSSR. Komissia po izucheniiu chetvertichnogo perioda. Bulletin [ACADEMY OF SCIENCES OF THE U.S.S.R. Commission for the Study of the Quaternary Period. Bulletin]. Moscow, no. 27, 1962.

AKADEMIIA NAUK SSSR. Laboratorija geologii dokembrii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Laboratory of the Geology of the Pre-Cambrian. Transactions]. Moscow, no. 15, 1963. Contents: [Granites of Karelia and the Kola Peninsula] Granity Kol'skogo poluostrova i Karelii. 336 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii Institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. East Siberian Geological Institute. Transactions]. Irkutsk, no. 11, 1962. Contents: Konev, A. A. [Petrography of alkali ultrabasic and basic rocks in the Sayzha and Gulchen plutons (Vitim Plateau) Petrografia shechlochnykh ul'traosnovnykh i osnovnykh gornykh porod. Saizhinskogo i Gulchenskogo plutonov (Vitim'skoe ploskogorie). 138 p.

AKADEMIIA NAUK SSSR. Sovet po seismologii. Bulletin [ACADEMY OF SCIENCES OF THE U.S.S.R. Council on Seismology. Bulletin]. Moscow, no. 14, 1963.

*GEOKIMIJA [GEOCHEMISTRY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, 1962.

GEOLOGICHNYI ZHURNAL [GEOLOGICAL JOURNAL]. Issued by Viddil khimichnykh i geologichnykh nauk Akademii nauk URSS and Holovne upravlinnia geologii i okhorony nadr pry Radi Ministriv URSS [Department of Chemical and Geological Sciences of the Academy of Sciences of the Ukrainian S.S.R. and Main Administration of the Geology and Conservation of Mineral Resources, Attached to the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 23, no. 1, 1963.

GEOLOGIJA I GEOFIZIKA [GEOLOGY AND GEOPHYSICS]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]. Novosibirsk, no. 1, 1963.

GEOLOGIJA MESTOROZHDENII REDKIKH ELEMENTOV [GEOLOGY OF RARE-ELEMENT DEPOSITS]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia [All-Union Scientific Research Institute of Mineral Resources]. Moscow, no. 18, 1962.

Contents: Zabolotnaia, N. P., Novikova, M. I., Shalskaya, V. T. [Tungsten-molybdenum-tin-beryllium deposits and their formation] Vol'fram-molibden-olovo-berill'evye mestorozhdeniia i uslovia ikh obrazovaniia. 94 p.

LENINGRAD. NAUCHNO-ISSLEDOVATELSKII INSTITUT GEOLOGII ARKTIKI. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF ARCTIC GEOLOGY. Transactions]. Vol. 132, 1962. Geofizicheskie metody razvedki v Arktike [Geophysical Methods of Prospecting in the Arctic], no. 4.

LENINGRAD. VSESOUZNYI NEFTIANOI NAUCHNO-ISSLEDOVATELSKII GEOLOGORAZVEDOCHNYI INSTITUT. Trudy [ALL-UNION PETROLEUM (SCIENTIFIC RESEARCH) GEOLOGICAL PROSPECTING INSTITUTE. Transactions] No. 150, 1960. Contents: Grozdilova, L. P., Lebedeva, N. S. [Foraminifers in the Carboniferous on the western slope of the Urals and the Timan Ridge; atlas of more representative species] Foraminifery kamenougol'nykh otlozhenii zapadnogo sklona Urala i Timana; atlas naboloe kharakternykh vidov. 263 p.

No. 106, 1962. Paleontologicheskii sbornik [Paleontological Papers], no. 3.

No. 197, 1962. Opornye skvazhiny SSSR [Key Wells of the U.S.S.R.]. Contents: Romanov F. I., Zolova, A. I. [South-Kaliningrad (Nivenskoye) well] Uzhno-Kaliningrad'skaya (Nivenskaya) opornaya skvazhina (Kaliningrad'skaya oblast'). 127 p.

No. 198, 1962. Contents: Kondrat'eva, Z. A., Ipatova, Z. N. [Zayarsk well in Irkutsk Province] Zaiarskaya opornaya skvazhina (Irkut'skaya oblast'). 161 p.

No. 201, 1962. Contents: [Methodological text on the study of the fracturing of rocks and fractured oil and gas reservoirs] Metodicheskoe posobie po izucheniiu treshechnovostoi gornykh porod i treshechnykh kolektorov nef'ti i gaza. 76 p.

MATERIALY PO MINERALOGII KOL'SKOGO POLUOSTROVA [MATERIALS ON THE MINERALOGY OF THE KOLA PENINSULA]. Issued by Kol'skii filial Akademii nauk SSSR and Kol'skoe otdelenie Vsesoiuznogo mineralogicheskogo obshchestva [Kola Branch of the Academy of Sciences of the U.S.S.R. and the Kola Branch of the All-Union Mineralogical Society]. Kirovsk, vol. 2, 1962.

MINERAL'NOE SYR'IE [MINERAL RAW MATERIALS]. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia [All-Union Scientific Research Institute of Mineral Raw Materials]. Moscow, nos. 4-6, 1962.

MOSCOW. VSESOUZNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT MINERAL'NOGO SYR'IA. Otdel nauchno-tekhnicheskoi informatsii. Seriya geologicheskaya [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF MINERAL RAW MATERIALS. Department of Scientific and Technical Information. Geological Series]. No. 13, 1961.

Contents: Orlova, E. V. [Geological conditions in areas of volcanic sedimentary deposits of boron as revealed by the studies of boron-bearing regions in North and South America] Osobennosti geologicheskoi obstanovki vulkanogenno-osadochnykh mestorozhdenii bora na primere boronosnykh provintsi Severnoi i Uzhnoi Ameriki. 29 p.

- PALEONTOLOGICHESKII ZHURNAL [PALEONTOLOGICAL JOURNAL]**. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1963.
- REFERATIVNYI ZHURNAL: GEOLOGIIA [JOURNAL OF ABSTRACTS: GEOLOGY]**. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- SIBIRSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII, GEOFIZIKI I MINERAL'NOGO SYR'IA. Trudy [SIBERIAN SCIENTIFIC RESEARCH INSTITUTE OF GEOLOGY, GEOPHYSICS, AND MINERAL RESOURCES. Transactions]**. Leningrad, no. 25, 1962.
- *SOVETSKAYA GEOLOGIIA [SOVIET GEOLOGY]**. Organ of Ministerstvo geologii i okhrany nedr SSSR [Ministry of Geology and the Conservation of Mineral Resources of the U.S.S.R.]. Moscow, vol. 6, nos. 2, 4, Feb., Apr. 1963.
- UZBEKSKII GEOLOGICHESKII ZHURNAL [UZBEK GEOLOGICAL JOURNAL]**. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 7, no. 1, 1963.
- VOPROSY GIDROGEOLOGII I INZHENERNOI GEOLOGII [PROBLEMS OF HYDROGEOLOGY AND ENGINEERING GEOLOGY]**. Issued by Vsesoiuznyi nauchno-issledovatel'skii institut gidrogeologii i inzhenernoi geologii [All-Union Scientific Research Institute of Hydrogeology and Engineering Geology]. Moscow, no. 20, 1962.
- VSESOUZNOE MINERALOGICHESKOE OBSHCHESTVO. Zapiski [ALL-UNION MINERALOGICAL SOCIETY. Annals]**. Moscow, vol. 92, no. 1, 1963.
- ### 13. SCIENCE
- #### a. GENERAL
- AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku. Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports]**. Baku, vol. 19, no. 1, 1963.
- *AKADEMIYA NAUK SSSR. Doklady [ACADEMY OF SCIENCES OF THE U.S.S.R. Reports]**. Moscow, vol. 148, no. 4, Feb. 1963; vol. 149, no. 3, Mar. 1963.
- EESTI LOODUS [ESTONIAN NATURE]**. Issued by Eesti NSV Teaduste akadeemia [Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 3, May-June 1963. [In Estonian]
- NAUKA I ZHIZN' [SCIENCE AND LIFE]**. Issued by Vsesoiuznoe obshchestvo po rasprostraneniю politicheskikh i nauchnykh znaniy [All-Union Society for Dissemination of Political and Scientific Knowledge]. Moscow, vol. 30, no. 1, Jan. 1963.
- NAUKA I ZHYTTIA [SCIENCE AND LIFE]**. Published by Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR [Society for Dissemination of Political and Scientific Knowledge of the Ukrainian S.S.R.]. Kiev, vol. 12, no. 2(143), Feb. 1963.
- OKHRANA PRIRODY I ZAPOVEDNOE DELO V SSSR. Bulletin' [CONSERVATION AND THE WORK OF THE PRESERVES IN THE U.S.S.R. Bulletin]**. Issued by Akademiya nauk SSSR and Komissiya po okhrane prirody pri Gosplane SSSR [Academy of Sciences of the U.S.S.R. and the Committee on Conservation, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, no. 7, 1962.
- PRIRODA [NATURE]**. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 52, nos. 3-4, 1963.
- *PROBLEMY KIBERNETIKI [PROBLEMS OF CYBERNETICS]**. Published by Gosudarstvennoe izdatel'stvo fiziko-matematicheskoi literatury [State Publishing House of Physicomathematical Literature]. Moscow, no. 8, 1962.
- ZNANNIA TA PRATSIA [KNOWLEDGE AND WORK]**. Issued by Tsentral'nyi komitet Lenins'koho komunistychnoho soluzha molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no. 2(278), Feb. 1963.
- #### b. ASTRONOMY
- ABASTUMANI, ASTROFIZICHESKAIA OBSERVATORIIA. Bulletin' [ASTROPHYSICAL OBSERVATORY. Bulletin]**. Tiflis, no. 29, 1962.
- ASTRONOMICHESKII TSIRKULAR' [ASTRONOMICAL CIRCULAR]**. Published by Biuro Astronomicheskikh soobshchenii Akademii nauk SSSR [Bureau of Astronomical Information of the Academy of Sciences of the U.S.S.R.]. Kazan, nos. 231-232, Nov.-Dec. 1962.
- ODESSA, UNIVERSYTET. Observatoriia. Izvestiia [UNIVERSITY. Observatory. Bulletin]**. Vol. 5, no. 1, 1959.
- REFERATIVNYI ZHURNAL: ASTRONOMIIA (Otdel'nyi vypusk 51) [JOURNAL OF ABSTRACTS: ASTRONOMY (Separate Issue 51)]**. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: GEODEZIYA (Otdel'nyi vypusk 52) [JOURNAL OF ABSTRACTS: GEODESY (Separate Issue 52)]**. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- VSESOUZNOE ASTRONOMO-GEODEZICHESKOE OBSHCHESTVO. Bulletin' [ALL-UNION ASTRONOMICAL-GEODETIC SOCIETY. Bulletin]**. Moscow, no. 31(38), 1962; no. 33(40), 1963.
- #### c. BIOLOGY
- AKADEMIYA NAUK KAZAKHSKOI SSR, Alma-Ata. Institut botaniki. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Botany. Transactions]**. Alma-Ata, vol. 14, 1962.
- AKADEMIYA NAUK SSSR. Institut morfologii zhivotnykh. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Animal Morphology. Transactions]**. Moscow, no. 41, 1962.
- AKADEMIYA NAUK SSSR. Moldavskii filial. Institut biologii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Moldavian Branch. Institute of Biology. Transactions]**. Kishinev, vol. 2, no. 1, 1960.
- AKADEMIYA NAUK TADZHIKSKOI SSR, Dushanbe. Otdel fiziologii i biofiziki rastenii. Trudy [ACADEMY OF SCIENCES OF THE TAJIK S.S.R. Department of Plant Physiology and Biophysics. Transactions]**. Dushanbe, vol. 2, 1962.
- *BIOKHMIIA [BIOCHEMISTRY]**. Published by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 28, no. 1, Jan.-Feb. 1963.
- BIOLOGIIA V SHKOLE [BIOLOGY IN SCHOOLS]**. Organ of Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 2, Mar.-Apr. 1963.
- BOTANICHESKII ZHURNAL [BOTANICAL JOURNAL]**. Organ of Vsesoiuznoe botanicheskoe obshchestvo [All-Union Botanical Society]. Moscow, vol. 48, nos. 2-3, Feb.-Mar. 1963.
- EESTI NSV TEADUSTE AKADEEMIA. Zooloogia ja Botaanika Instituut. Botanichekske issledovanila [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Institute of Zoology and Botany. Botanical Research]**. Tartu, vol. 2, 1962.
- FAUNA SSSR [FAUNA OF THE U.S.S.R.]**. Issued by Zoologicheskii institut Akademii nauk SSSR [Institute of Zoology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 82. Nasekomye dvukrylye [Diptera], vol. 19, no. 4, 1962. Contents: Grunin, K. I.A. [Warble flies (Hypodermatidae)] Podkozhnye ovoda (Hypodermatidae). 237 p.
- IUNYI NATURALIST [YOUNG NATURALIST]**. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluzha molodezhi i Tsentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and Central Council of the All-Union Lenin Pioneers]. Moscow, no. 3, Mar. 1963.
- KERCH. AZOVO-CHERNOMORSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MORSKOGO RYBNOGO KHOZIAISTVA I OKEANOGRAPHII. Trudy [AZOV-BLACK SEA SCIENTIFIC RESEARCH INSTITUTE OF MARINE FISHERIES AND OCEANOGRAPHY. Transactions]**. No. 20, 1962.
- KIEV, UNIVERSYTET. Visnyk [UNIVERSITY. Review]**. No. 1, 1958. Seriya biologii [Series in Biology], no. 2; no. 2, 1959. Seriya biologii [Series in Biology], no. 1; no. 3, 1960. Seriya biologii [Series in Biology], no. 1.
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Mikrobiologijas instituts. Trudy [ACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Institute of Microbiology. Transactions]**. Riga, no. 18, 1963.
- ORNITOLOGIIA [ORNITHOLOGY]**. Issued by Glavnoe upravlenie okhotnich'ego khoziaistva i zapovednikov pri Sovete Ministrov RSFSR [Main Administration for Game Management and Preserves, Attached to the Council of Ministers of the R.S.F.S.R.]. Moscow, no. 4, 1962.
- PROBLEMY KOSMICHESKOI BIOLOGII [PROBLEMS OF COSMIC BIOLOGY]**. Issued by Otdelenie biologicheskikh nauk Akademii nauk SSSR [Department of Biological Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 2, 1962.
- REFERATIVNYI ZHURNAL: BIOLOGICHESKAYA KHIMIYA (Otdel'nyi vypusk 300) [JOURNAL OF ABSTRACTS: BIOCHEMISTRY (Separate Issue 300)]**. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 9-10, May 1963.
- REFERATIVNYI ZHURNAL: BIOLOGIIA [JOURNAL OF ABSTRACTS: BIOLOGY]**. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 9-10, May 1963.
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye i nauchno-vysshie shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Biological Sciences]**. Moscow, no. 2, 1963.
- UKRAINS'KYI BIOKHMICHNYI ZHURNAL [UKRAINIAN BIOCHEMICAL JOURNAL]**. Published by Instytut khimii Akademii nauk URSR [Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 34, nos. 5-6, 1962.
- *VOPROSY VIROSOLOGII [PROBLEMS OF VIROLOGY]**. Issued by Ministerstvo zdorovookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 1, no. 6, Nov.-Dec. 1962.
- #### d. CHEMISTRY
- AKADEMIYA NAUK GRUZINSKOI SSR, Tiflis. Institut khimii. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Chemistry. Transactions]**. Tiflis, vol. 16, 1962.
- *AKADEMIYA NAUK SSSR. Izvestiia, Otdelenie khimicheskikh nauk [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Department of Chemical Sciences]**. Moscow, nos. 2-3, Feb.-Mar. 1963.
- KHIMIIA V SHKOLE [CHEMISTRY IN SCHOOLS]**. Issued by Ministerstvo prosvoshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 18, nos. 1-2, Jan.-Apr. 1963.
- MOSCOW. VSESOUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Khimii; sistematische skii ukazatel' stat' v inostrannykh zhurnalakh [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Chemistry; Classified Index of Articles in Foreign Periodicals]**. Nos. 3(113)-4(114), 1963.
- UKRAINSKII KHIMICHESKII ZHURNAL [UKRAINIAN CHEMICAL JOURNAL]**. Issued by Akademiya nauk URSR [Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 29, no. 3, 1963.
- *USPEKHI KHIMII [PROGRESS IN CHEMISTRY]**. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 92, nos. 2-3, Feb.-Mar. 1963.

UZBEKSKII KHIMICHESKII ZHURNAL [UZBEK CHEMICAL JOURNAL]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 7, no. 1, 1963.

VSESOIUZNOE KHIMICHESKOE OBSHCHESTVO IMENI D.I. MENDELEEVA, Zhurnal [D.I. MENDELEEV ALL-UNION CHEMICAL SOCIETY, Journal]. Moscow, vol. 8, nos. 1-2, 1963.

*VYSOKOMOLEKULIARNYE SOEDINENIYA [MACROMOLECULAR COMPOUNDS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, no. 3, Mar. 1963.

*ZHURNAL ANALITICHESKOI KHIMII [JOURNAL OF ANALYTICAL CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 18, no. 1, Jan. 1963.

*ZHURNAL NEORGANICHESKOI KHIMII [JOURNAL OF INORGANIC CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 3, Mar. 1963.

e. MATHEMATICS

AKADEMIYA NAUK SSSR, Izvestiya, Seriya matematicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Mathematical Series]. Moscow, vol. 27, no. 2, Mar.-Apr. 1963.

AKADEMIYA NAUK SSSR, Matematicheskii institut, Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mathematical Institute, Transactions]. Moscow, vol. 69, 1963.
Contents: Faddeev, L.D. [Mathematical problems in the quantum theory of scattering for a system of three particles] Matematicheskie voprosy kvantovoi teorii rasselaniya dlya sistemy trekh chastits. 119 p.

LIETUVOS MATEMATIKOS RINKINYS, LIUVOSKII MATEMATICHESKII SBORNIK [LITHUANIAN MATHEMATICAL PAPERS]. Issued by Lietuvos TSR Mokslu akademija and Lietuvos TSR aukštojo mokyklos [Academy of Sciences of the Lithuanian S.S.R. and the Institutions of Higher Learning of the Lithuanian S.S.R.]. Vilnius, vol. 2, no. 1, 1962.

MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW]. Issued by Akademiya nauk SSSR and Moskovskoe matematicheskoe obshchestvo [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society]. Moscow, vol. 60(102), nos. 2, 4, Feb., Apr. 1963.

MATEMATIKA V SHKOLE [MATHEMATICS IN SCHOOLS]. Issued by Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 2, Mar.-Apr. 1963.

*PRIKLADNAIA MATEMATIKA I MEKANIKA [APPLIED MATHEMATICS AND MECHANICS]. Issued by Otdelenie tekhnicheskikh nauk Akademii nauk SSSR [Technological Sciences Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 27, no. 2, Mar.-Apr. 1963.

REFERATIVNYI ZHURNAL: MATEMATIKA [JOURNAL OF ABSTRACTS: MATHEMATICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 4, Apr. 1963.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Izvestiya vysshikh uchebnykh zavedenii; matematika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Mathematics]. Moscow, no. 3(34), 1963.

TARTU, ULIKOOL, Vychislitel'nyi tsentr, Trudy [UNIVERSITY, Computation Center, Transactions]. No. 2, 1962.

*ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 2, Mar.-Apr. 1963.

f. PHYSICS

AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku, Institut fiziki, Trudy [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Physics, Transactions]. Baku, vol. 11, 1963.

*AKADEMIYA NAUK SSSR, Izvestiya, Seriya fizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Physical Series]. Moscow, vol. 27, no. 4, Apr. 1963.

*AKADEMIYA NAUK SSSR, Izvestiya, Seriya geofizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Geophysical Series]. Moscow, no. 4, Apr. 1963.

AKADEMIYA NAUK SSSR, Kazanskii filial, Trudy, Seriya fiziko-matematicheskikh i tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE U.S.S.R. Kazan Branch, Transactions, Series in the Physicomathematical and Technological Sciences]. Kazan, no. 2, 1960.
Contents: Zuev, B.M. [Some problems arising in the study of stresses by the optical method using three-dimensional models] Nekotoryye voprosy issledovaniya napriazhenii na ob'emnykh modellakh opticheskimi metodami. 33 p.

AKADEMIYA NAUK UZBEKSKOI SSR, Tashkent, Izvestiya, Seriya fiziko-matematicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S.S.R. Bulletin, Series in the Physical and Mathematical Sciences]. Tashkent, vol. 7, no. 1, 1963.

AKADEMIYA NAVUK BSSR, Minsk, Vestnik, Seriya fiziko-tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin, Series in the Physical and Technological Sciences]. Minsk, no. 1, 1963.

*AKUSTICHESKII ZHURNAL [JOURNAL OF ACOUSTICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 9, no. 2, 1963.

CHEKOSLOVATSKII FIZICHESKII ZHURNAL, CZECHOSLOVAK JOURNAL OF PHYSICS. Issued by Czechoslovatskaya akademiya nauk [Czechoslovak Academy of Sciences]. Prague, vol. 13, nos. 4-6, 1963.

*FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 5, nos. 3-4, Mar.-Apr. 1963.

FIZIKA V SHKOLE [PHYSICS IN SCHOOLS]. Organ of Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 23, no. 1, Jan.-Feb. 1963.

GEOMAGNETIZM I AERONOMIYA [GEOMAGNETISM AND AERONOMY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, Jan.-Feb. 1963.

*ISKUSTVENNYE SPUTNIKI ZEMLI [ARTIFICIAL EARTH SATELLITES]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 15, 1963.

*KRISTALLOGRAFIYA [CRYSTALLOGRAPHY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 6, Nov.-Dec. 1962.

MOSCOW, TSENTRAL'NYI INSTITUT PROGNOZOV, Trudy [CENTRAL WEATHER INSTITUTE, Transactions]. No. 118, 1962.

*OPTIKA I SPEKTROSKOPIYA [OPTICS AND SPECTROSCOPY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 14, no. 3, Mar. 1963.

PRAKTIKUM PO IADERNOI FIZIKE [LABORATORY MANUAL ON NUCLEAR PHYSICS]. Moscow, no. 1, 1962.
Contents: Estulin, I.V. [Radioactive radiations] Radioaktivnye izlucheniya. 260 p.

No. 2, 1962.
Contents: Grigorov, N.L., Kondrat'eva, M.A., Rapoport, I.D. [Cosmic rays] Kosmicheskie luchy. 83 p.

*PRIBORY I TEKHNIKA EKSPERIMENTA [INSTRUMENTS AND EXPERIMENTAL TECHNIQUES]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 4, July-Aug. 1962; vol. 8, no. 2, Mar.-Apr. 1963.

PRIMENENIE UL'TRAAKUSTIKI K ISSLEDOVANIU VESHCHESTVA [USE OF ULTRASONIC WAVES FOR THE STUDY OF MATTER]. Issued by Moskovskii oblastnoi pedagogicheskii institut [Moscow Province Pedagogical Institute]. Moscow, no. 10, 1962.

PROBLEMY DIFRAKTSII I RASPROSTRANENIYA VOLN [PROBLEMS IN WAVE DIFFRACTION AND PROPAGATION]. Issued by Leningradskii gosudarstvennyi universitet [Leningrad State University]. Leningrad, vol. 2, 1962. Rasprostraneniye radiovoln [Propagation of Radio Waves], no. 2.

REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 4-5, Apr.-May 1963.

REFERATIVNYI ZHURNAL: GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.

*TSENTRAL'NAIA AEROLOGICHESKAYA OBSERVATORIYA, Trudy [CENTRAL AEROLOGICAL OBSERVATORY, Transactions]. Leningrad, no. 40, 1962.

*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 44, no. 4, Apr. 1963.

14. MEDICINE

a. GENERAL

AKADEMIYA MEDITSINSKIIH NAUK SSSR, Moscow, Vestnik [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R. Journal]. Moscow, vol. 17, no. 12, 1962.

AZERBAIJAN TIBB ZHURNALI, AZERBAIDZHANSKII MEDITSINSKII ZHURNAL [AZERBAIJAN MEDICAL JOURNAL]. Issued by Azerbaidzhan SSR Shchite nazirlihi [Azerbaijan Ministry of Health]. Baku, no. 2, Feb. 1962.

KARDIOLOGIYA [CARDIOLOGY]. Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 2, no. 3, May-June 1962. (DNLN)

KAZANSKII MEDITSINSKII ZHURNAL [KAZAN MEDICAL JOURNAL]. Organ of Ministerstvo zdravookhraneniya Tatarskoi ASSR and Sovet nauchnykh meditsinskikh obshchestv [Ministry of Health of the Tatar A.S.S.R. and the Council of Medical Societies]. Kazan, no. 5, Sep.-Oct. 1962.

KISHINEV, GOSUDARSTVENNYI MEDITSINSKII INSTITUT, Trudy [STATE MEDICAL INSTITUTE, Transactions]. Vol. 12, 1960. (DNLN)

LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA, Eksperimentālas un klīniskās medicīnas institūts, Trudy [Latvian Academy of Sciences, Institute of Experimental and Clinical Medicine, Transactions]. Riga, nos. 29-30, 32, 1962.

*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 1, vol. 7, nos. 2, 4, Feb.-Apr. 1963. Razdel [Section] 2, vol. 7, no. 3, Mar. 1963. Razdel [Section] 3, vol. 7, no. 5, May 1963. Razdel [Section] 4, vol. 7, no. 4, Apr. 1963. Razdel [Section] 5, vol. 7, nos. 1, 3-4, Jan. Mar.-Apr. 1963. Razdel [Section] 6, vol. 7, no. 5, May 1963. Razdel [Section] 7, vol. 7, nos. 4-5, Apr.-May 1963. Razdel [Section] 9, vol. 7, no. 5, May 1963. Razdel [Section] 10, vol. 7, no. 4, Apr. 1963.

MEDITSINSKII ZHURNAL UZBEKISTANA [MEDICAL JOURNAL OF UZBEKISTAN]. Issued by Ministerstvo zdravookhraneniya i Akademii nauk UzSSR [Ministry of Health and the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 8, Aug. 1962.

MOSCOW, OBLASTNOI NAUCHNO-ISSLEDOVATELSKII KLINICHESKII INSTITUT, Trudy [PROVINCE SCIENTIFIC RESEARCH CLINICAL INSTITUTE, Transactions]. No. 5, 1962. (DNLN)

MOSCOW, POLIKLINIKA IMENI F.E. DZERZHINSKOGO, Sbornik nauchno-prakticheskikh rabot [F.E. DZERZHINSKII POLYCLINIC, Scientific and Practical Papers]. No. 2, 1961.

NOUKOCUDE EESTI TERVISHOID [HEALTH SERVICE OF SOVIET ESTONIA]. Organ of Eesti NSV Tervishoiu Ministerium [Ministry of Health of the Estonian S.S.R.]. Tallinn, vol. 6, nos. 1-2, Jan.-Apr. 1963. [In Estonian]

B 14a-15a

PEZIRIA SENETETSH [HEALTH SERVICE]. Organ of the Ministry of Health of the Moldavian S.S.R. Kishinev, vol. 5, no. 1, Jan.-Feb. 1962. [In Moldavian]

REFERATIVNYI ZHURNAL: MEDITSINSKAYA GEOGRAFIYA (Otdel'nyi vypusk 36) [JOURNAL OF ABSTRACTS: MEDICAL GEOGRAPHY (Separate Issue 36)]. Issued by the Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.

SOVETSKAYA MEDITSINA [SOVIET MEDICINE]. Organ of Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 26, no. 1, Jan. 1963.

SOVETSKOE ZDRAVOOKHRANENIE [SOVIET HEALTH SERVICE]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 22, no. 4, 1963.

SVEIKATOS APSAUGA [HEALTH SERVICE]. Issued by LTSR Sveikatos apsaugos ministerija [Ministry of Health of the Lithuanian S.S.R.]. Vilnius, vol. 8, nos. 4(88)-5(89), Apr.-May 1963. [In Lithuanian] (DNLM)

VESELIBA [HEALTH]. Issued by Latvijas PSR Veselības aizsardzības ministrija [Ministry of Health of the Latvian S.S.R.]. Riga, no. 5(60), May 1963. [In Latvian]

VOPROSY KRAEVOI PARAZITOLOGII TURKMENSKOI SSR [PROBLEMS IN THE ENDEMIC PARASITOLOGY OF THE TURKMEN S.S.R.]. Issued by Institut epidemiologii i gieny (Ashkhabad) and Institut epidemiologii i mikrobiologii (Moskva) [Institute of Epidemiology and Hygiene (Ashkhabad) and the Institute of Epidemiology and Microbiology (Moscow)]. Ashkhabad, vol. 3, 1962.

VOPROSY REVMATIZMA [PROBLEMS OF RHEUMATISM]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 1, nos. 2-3, Apr.-Sep., 1961; vol. 3, no. 1, Jan.-Mar. 1963. (DNLM)

VRACHEBNOE DELO [MEDICAL PRACTICE]. Organ of Ministerstvo zdravookhraneniia USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, no. 3, Mar. 1963.

ZDRAVOOKHRANENIE ROSSISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 6, no. 10, Oct. 1962; vol. 7, nos. 2, 4, Feb., Apr. 1963.

ZDRAVOOKHRANENIE TURKMENISTANA [HEALTH SERVICE OF TURKMENISTAN]. Organ of Ministerstvo zdravookhraneniia TSSR [Ministry of Health of the Turkmen S.S.R.]. Ashkhabad, vol. 7, no. 2(38), Feb. 1963.

b. GYNECOLOGY, OBSTETRICS & PEDIATRICS

PEDIATRIYA [PEDIATRICS]. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 41 [L. e. 42] no. 2, Feb. 1963. (DNLM)

c. NEUROLOGY & PSYCHIATRY

PRAKTIKA SUDEBNOPSIKHIATRICHESKOI EKSPERTIZY [PRACTICE OF FORENSIC PSYCHIATRY EXPERTISE]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut sudebnoi psikhii [Central Scientific Research Institute of Forensic Psychiatry]. Moscow, no. 5, 1961.

PROBLEMY SUDEBNOI PSIKHIATRII [PROBLEMS OF FORENSIC PSYCHIATRY]. Issued by Tsentral'nyi nauchno-issledovatel'skii institut sudebnoi psikhii [Central Scientific Research Institute of Forensic Psychiatry]. Moscow, vol. 12, 1962.

d. PATHOLOGY & THERAPEUTICS

AKADEMIYA NAUK KAZAKHSKOI SSR, Alma-Ata, Institut kraevoi patologii. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Geographical Pathology. Transactions]. Alma-Ata, vol. 11(18), 1962. Sbornik rabot po kurortam Kazakhstana [Papers on Kazakhstan Health Resorts], no. 3.

AZERBAIDZHANSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT KURORTOLOGII I FIZICHESKIIH METODOV LECHENIYA. Sbornik trudov [AZERBAIJAN SCIENTIFIC RESEARCH INSTITUTE OF HEALTH RESORT AND PHYSICAL THERAPY. Papers]. Baku, no. 3, 1959.

LABORATORNOE DELO [LABORATORY WORK]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 9, no. 3, 1963.

REFERATIVNYI ZHURNAL: OBSHCHE VOPROSY PATOLOGII. ONKOLOGIYA (Otdel'nyi vypusk 53) [JOURNAL OF ABSTRACTS: GENERAL PROBLEMS OF PATHOLOGY. ONCOLOGY (Separate Issue 53)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, May 1963.

VOPROSY KURORTOLOGII, FIZIOTERAPII I LECHENIYA FIZICHESKOI KULTURY [PROBLEMS OF RESORT THERAPY, PHYSICAL THERAPY, AND EXERCISE THERAPY]. Moscow, vol. 26, no. 1, 1963. (DNLM)

f. PHARMACY & MATERIA MEDICA

REFERATIVNYI ZHURNAL: FARMAKOLOGIYA. TOKSIKOLOGIYA (Otdel'nyi vypusk 54) [JOURNAL OF ABSTRACTS: PHARMACOLOGY. TOXICOLOGY (Separate Issue 54)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 9-10, May 1963.

g. PUBLIC HEALTH & NURSING

MEDITSINSKAYA SESTRA [MEDICAL NURSE]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 21, nos. 10-12, Oct.-Dec. 1962

h. SURGERY & DENTISTRY

KLINICHESKAYA KHIRURGIYA [CLINICAL SURGERY]. Kiev, no. 5(245), May 1962. (DNLM)

ORTOPEDIYA, TRAVMATOLOGIYA I PROTEZIROVANIE [ORTHOPEDICS, TRAUMATOLOGY, AND PROSTHESES]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 23, no. 11, Nov. 1962. (DNLM)

STOMATOLOGIYA [STOMATOLOGY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 41, no. 5, Sep.-Oct. 1962.

15. AGRICULTURE

a. GENERAL

GIDROTEKHNIKA I MELIORATSIIA [HYDRAULIC ENGINEERING AND RECLAMATION]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 15, nos. 2-3, Feb.-Mar. 1963.

KHLIBOROB UKRAINY [THE FARMER OF THE UKRAINE]. Issued by Ministerstvo vyrobnytstva i zakhviti s'li's'kospodars'kykh produktiv URSR [Ministry of the Production and Procurement of Agricultural Products of the Ukrainian S.S.R.]. Kiev, no. 4, 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO [COLLECTIVE AND STATE FARM PRODUCTION]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 4, 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO KIRGHIZII [COLLECTIVE AND STATE FARM PRODUCTION OF KIRGHIZIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Kirghizskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the Kirghiz S.S.R.]. Frunze, vol. 9, no. 1-4, Jan.-Apr. 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO TADZHIKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF TAJIKISTAN]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Tadzhikskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the Tajik S.S.R.]. Dushanbe, vol. 17, nos. 3-5, Mar.-May 1963.

KOLKHOZNO-SOVKHOZNOE PROIZVODSTVO UZBEKISTANA [COLLECTIVE AND STATE FARM PRODUCTION OF UZBEKISTAN]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Uzbekskoi SSR [Ministry for the Production and Procurement of Agricultural Products of the Uzbek S.S.R.]. Tashkent, vol. 24, nos. 1-4, Jan.-Apr. 1963.

KRASNOYARSK. SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions]. Vol. 3, no. 1, 1959.

KREST'YANKA [THE PEASANT WOMAN]. Published by Izd-vo [Publishing House] "Pravda." Moscow, vol. 41, nos. 4-5, Apr.-May 1963.

MEKHANIZATSIYA SIL'S'KOHO HOSPODARSTVA [MECHANIZATION OF AGRICULTURE]. Organ of Ukrain's'ke respublikans'ke ob'iednannia "Ukrain's'kospoltekhnika" [Ukrainian Republic Association "Ukrain's'kospoltekhnika" of the Council of Ministers of the Ukrainian S.S.R.]. Kiev, vol. 14, nos. 1(157)-2(158), Jan.-Feb. 1963.

MOSCOW. MOSKOVSKAYA SEL'SKOKHOZIAISTVENNAIA AKADEMIYA IM. TIMIRIAZEVA. Doklady [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW. Reports]. No. 68, 1961.

REFERATIVNYI ZHURNAL: POCHVOVEDENIE (Otdel'nyi vypusk 57) [JOURNAL OF ABSTRACTS: SOIL SCIENCE (Separate Issue 57)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 7, 9-10, Apr.-May 1963.

SEL'SKII MEKHANIZATOR [THE RURAL MECHANIC]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.

SEL'SKOE KHOZIAISTVO; statisticheski ukazatel' statel v inostrannykh zhurnatakh [AGRICULTURE; Classified Index of Articles in Foreign Periodicals]. Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka i Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury [Central Agricultural Library and the All-Union State Library of Foreign Literature]. Moscow, no. 2(90), 1963.

SEL'SKOE KHOZIAISTVO BELORUSSII [AGRICULTURE OF WHITE RUSSIA]. Issued by Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov Belorusskoi SSR [Ministry of the Production and Procurement of Agricultural Products of the White Russian S.S.R.]. Minsk, vol. 11, nos. 7(127)-8(128), Apr. 1963.

SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICULTURE OF KAZAKHSTAN]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, vol. 11, no. 5, May 1963.

SEL'SKOKHOZIAISTVENNAIA LITERATURA CIEKHO-SLOVAKII [AGRICULTURAL LITERATURE OF CZECHOSLOVAKIA]. Issued by Chechoslovatskaya akademii sel'skokhoziaistvennykh nauk i Institut nauchno-tekhnicheskoi informatsii [Czechoslovak Academy of Agricultural Sciences and the Institute of Scientific and Technical Information]. Prague, no. 3/4, 1962.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NECHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov i Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products and the Ministry of Agriculture of the R.S.F.S.R.]. Moscow, vol. 1, no. 4, Apr. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOLZH'YA [AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov i Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products and the Ministry of Agriculture of the R.S.F.S.R.]. Saratov, vol. 1, nos. 1-3, Jan.-Mar. 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TACHO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR i Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R.S.F.S.R. and the Ministry of Agriculture of the R.S.F.S.R.]. Krasnodar, vol. 1, nos. 4-5, Apr.-May 1963.

SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST]. Organ of Ministerstvo proizvodstva i zagotovok sel'skokhoziaistvennykh produktov RSFSR and Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of the Production and Procurement of Agricultural Products of the R. S. F. S. R. and the Ministry of Agriculture of the R. S. F. S. R.]. Omsk, no. 4, Apr. 1963.

SOTSIALISTLIK POLLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Pollumajandussaaduste Toetamise ja Varamise Ministerium [Ministry of the Production and Procurement of Agricultural Products of the Estonian S. S. R.]. Tallinn, vol. 18, nos. 8-10, Apr.-May 1963. [In Estonian]

TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 23, no. 1, Jan. 1963.

b. ANIMAL INDUSTRY

LENINGRAD. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT OZERNOGO I RECHNOGO RYBNOGO KHOZIAISTVA. Izvestia [STATE SCIENTIFIC RESEARCH INSTITUTE OF LAKE AND RIVER FISHERIES. Bulletin]. Vol. 43, no. 1, 1957. Contents: Kuz'min, A. N. [Development of the reproductive system in carp in different latitudes] Razvitiie vosproizvoditel'noi sistemy u karpov, oblatel'stvennikh v raznykh shirotakh. 64 p. [With summary in English.]

Vol. 45, 1958; vol. 47, no. 2, 1958.

MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]. Issued by Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR and Tsentral'noe pravleniie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 24, no. 5, May 1963.

NOVOE V KORMLENII SEL'SKOKHOZIAISTVENNYKH ZHIVOTNYKH; sbornik perevodov iz inostranoi periodicheskoi literatury [WHAT IS NEW IN THE FEEDING OF FARM ANIMALS; Translations of Foreign Periodical Literature]. Moscow, vol. 4, 1962. (DNAL)

OVTSEYDSTVO [SHEEP BREEDING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 9, no. 4, Apr. 1963. (DNAL)

REFERATIVNYI ZHURNAL: ZHIVOTNOVODSTVO, VETERINARIA (Odel'nyi vypusk 58) [JOURNAL OF ABSTRACTS: ANIMAL HUSBANDRY. VETERINARY MEDICINE (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, nos. 3, 9-10, Feb., May 1963.

RYBNOE KHOZIAISTVO [FISHERIES]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po rybnomu khoziaistvu [State Committee of the Council of Ministers of the U. S. S. R. for Fisheries]. Moscow, vol. 39, nos. 2, 4, 1963.

SVINOVOODSTVO [SWINE BREEDING]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 17, no. 3, Mar. 1963. (DNAL)

VLADIVOSTOK. TEKHOKEANSKII NAUCHNO-ISSLEDOVATEL'SKII INSTITUT RYBNOGO KHOZIAISTVA I OKEANOGRAFI. Izvestia [PACIFIC OCEAN SCIENTIFIC RESEARCH INSTITUTE OF FISHERIES AND OCEANOGRAPHY. Bulletin]. Vol. 48, 1962.

c. FORESTRY

AKADEMIA NAUK SSSR. Laboratoriia lesovedeniia. Trudy [ACADEMY OF SCIENCES OF THE U. S. S. R. Laboratory of Forestry. Transactions]. Moscow, vol. 4, 1962.

KHIMIKI, TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHANIZATSI I ENERGETIKI LESNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF MECHANIZATION AND USE OF POWER IN LUMBERING. Transactions]. Nos. 36-39, 1962.

LESNOE KHOZIAISTVO [FORESTRY]. Issued by Gosudarstvennyi komitet po lesnoi, tsellulozno-bumazhnoi, derevobrabatyvalushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR and Tsentral'noe pravleniie NTO lesnoi promyshlennosti i lesnogo khoziaistva [State Committee for Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U. S. S. R., and the Central Administration of the Scientific Technological Society of Forest Industries and Forestry]. Moscow, vol. 16, no. 1, Jan. 1963.

MASTER LESA [MASTER LUMBERMAN]. Issued by TsK Profsozuza rabochikh lesnoi, bumazhnoi i derevobrabatyvalushchei promyshlennosti [Central Committee of the Trade Union of Workers of the Forest, Paper, and Woodworking Industries]. Moscow, vol. 7, no. 5, May 1963.

REFERATIVNYI ZHURNAL: LESOVEDENIE I LESOVODSTVO (Odel'nyi vypusk 58) [JOURNAL OF ABSTRACTS: FORESTRY AND FOREST MANAGEMENT (Separate Issue 58)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 5, May 1963.

SVERDLOVSK. URAL'SKII LESOTEKHNIЧЕСKII INSTITUT. Trudy [URAL INSTITUTE OF LUMBERING TECHNOLOGY. Transactions]. No. 17, 1960.

VORONEZH. LESOTEKHNIЧЕСKII INSTITUT. Nauchnye zapiski. [FORESTRY AND LUMBERING INSTITUTE. Studies]. Vol. 28, 1962.

d. PLANT CULTURE

REFERATIVNYI ZHURNAL: RASTENIEVODSTVO (Odel'nyi vypusk 55) [JOURNAL OF ABSTRACTS: PLANT CULTURE (Separate Issue 55)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 10, May 1963.

ZASHCHITA RASTENII OT VREDITELEI I BOLEZNEI [PROTECTING PLANTS AGAINST DISEASES AND PESTS]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 8, nos. 8, 11, June, Nov. 1961. (DNAL)

ZEMLEDELIE [AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 25, no. 1, Jan. 1963.

16. TECHNOLOGY

a. GENERAL

AKADEMIA NAUK UZBEKSKOI SSR, Tashkent. Izvestia. Seriya Tekhnicheskikh nauk [ACADEMY OF SCIENCES OF THE UZBEK S. S. R. Bulletin. Series in the Technical Sciences]. Tashkent, vol. 7, no. 2, 1963.

BEZOPASNOST' TRUDA V PROMYSHLENNOSTI [INDUSTRIAL SAFETY]. Organ of Gosudarstvennyi komitet pri Sovete Ministrov RSFSR po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru [State Committee for Safety Inspection in Industry and Mining, Attached to the Council of Ministers of the R. S. F. S. R.]. Moscow, vol. 6, nos. 8-9, Aug.-Sep. 1962; vol. 7, no. 4, Apr. 1963.

GORKIY. POLITEKHNIЧЕСKII INSTITUT. Trudy [POLYTECHNIC INSTITUTE. Transactions]. Vol. 16, nos. 3, 5, 1960.

INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Published by Gosudarstvennoe izdatel'stvo po standartizatsii [State Publishing House on Standardization]. Moscow, vol. 24, no. 3, 1963.

***INZHENERNO-FIZICHESKII ZHURNAL [JOURNAL OF ENGINEERING PHYSICS]**. Issued by Akademiia nauk BSSR [Academy of Sciences of the White Russian S. S. R.]. Minsk, vol. 6, no. 3, Mar. 1963.

IUNYI TEKHNIK [YOUNG TECHNICIAN]. Issued by TsK VLKSM and Tsentral'nyi Sovet pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the Lenin Pioneers]. Moscow, vol. 7, no. 12, Dec. 1962; vol. 7, nos. 2, 4, Feb., Apr. 1963.

***IZMERITEL'NAIA TEKHNIKA [MEASUREMENT TECHNIQUES]**. Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, no. 8, Aug. 1962; no. 3, Mar. 1963.

IZOBRETATEL' I RATSIONALIZATOR [INVENTOR AND EFFICIENCY PROMOTER]. Issued by Vsesoiuznoe obshchestvo izobretatelei i ratsionalizatorov [All-Union Society of Inventors and Efficiency Promoters]. Moscow, no. 3(199), 1963.

MOSCOW. GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT NAUCHNOI TEKHNIЧЕСKOI INFORMATSII. Biulleten' tekhniko-ekonomicheskoi informatsii [STATE SCIENTIFIC RESEARCH INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION. Bulletin of Technical and Economic Information]. No. 3, 1963.

NAUKA I TEKHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Nauchno-tekhnicheskii komitet Soveta Ministrov Latviskoi SSR [Scientific and Technical Committee of the Council of Ministers of the Latvian S. S. R.] and others. Riga, no. 4(33), Apr. 1963.

NOVYE KNIGI ZA RUBEZHOM. Seriya B: Tekhnika [NEW FOREIGN BOOKS. Series B: Technology]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 7, nos. 4-5, Apr.-May 1963.

PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA]. Issued by Sovet narodnogo khoziaistva Armianskoi SSR [Economic Council of the Armenian S. S. R.]. Yerevan, vol. 6, no. 1, Jan. 1963.

REFERATIVNYI ZHURNAL: METROLOGIJA I IZMERITEL'NAIA TEKHNIKA (Odel'nyi vypusk 32) [JOURNAL OF ABSTRACTS: MEASUREMENT AND MEASUREMENT TECHNIQUES (Separate Issue 32)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 5, May 1963.

RUSSIA (1923- U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy Institutov Komiteta [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]. Moscow, no. 81(121), 1962. Issledovaniia v oblasti akusticheskikh i gidroakusticheskikh izmerenii [Research in the Field of Acoustical and Hydroacoustical Measurements]

STANDARTIZATSIJA [STANDARDIZATION]. Issued by Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR [Committee of Standards, Measures, and Measuring Instruments, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 27, nos. 3-4, Mar.-Apr. 1963.

TEKHNIKA JA TOOTMINE [TECHNOLOGY AND PRODUCTION]. Issued by Eesti NSV Ministeriite Nougogu Riiklik Teaduslik-Tehniline Komitee and Eesti NSV Armetihingute Nougogu [State Scientific Technological Committee of the Council of Ministers of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.]. Tallinn, vol. 7, no. 5, May 1963. [In Estonian]

TIFELIS. GRUZINSKII POLITEKHNIЧЕСKII INSTITUT. Trudy [GEORGIAN POLYTECHNIC INSTITUTE. Transactions]. No. 6(77), 1961.

TOMSK. SIBIRSKII TEKHNOLOGIЧЕСKII INSTITUT. Trudy [SIBERIAN TECHNOLOGICAL INSTITUTE. Transactions]. Krasnoyarsk, no. 30, 1961.

VSESOUZNYI SOVET NAUCHNO-TEKHNIЧЕСKIIKH OBSHCHESTV. Nauchno-tekhnicheskoe obshchestvo SSSR [ALL-UNION COUNCIL OF SCIENTIFIC TECHNOLOGICAL SOCIETIES. Scientific Technological Societies of the U. S. S. R.]. Moscow, vol. 5, no. 3(51), Mar. 1963.

b. AERONAUTICS

GRAZHDANSKAIA AVIATSIJA [CIVIL AVIATION]. Issued by Glavnoe upravleniie grazhdanskogo vozdušnogo flota pri Sovete Ministrov SSSR [Main Administration of Civil Aviation, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 20, nos. 1, 3, Jan., Mar. 1963.

KRYL'IA RODINY [WINGS OF THE MOTHERLAND]. Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodel'stvia armii, aviatsei i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 14, nos. 2-3, Feb.-Mar. 1963.

B 16b-16d

REFERATIVNYI ZHURNAL: AVIATIONNYE I RAKET-
NYE DVIGATELI (Otdel'nyi vypusk 34) [JOURNAL
OF ABSTRACTS: AIRCRAFT AND ROCKET ENGINES
(Separate Issue 34)]. Issued by Institut nauchnoi
informatsii Akademii nauk SSSR [Institute of Scien-
tific Information of the Academy of Sciences of the
U.S.S.R.]. Moscow, no. 5, May 1963.

REFERATIVNYI ZHURNAL: RAKETOSTROENIE (Otdel'-
nyi vypusk 41) [JOURNAL OF ABSTRACTS: ROCKET
BUILDING (Separate Issue 41)]. Issued by Institut
nauchnoi informatsii Akademii nauk SSSR [Institute
of Scientific Information of the Academy of Sciences
of the U.S.S.R.]. Moscow, no. 5, May 1963.

REFERATIVNYI ZHURNAL: VOZDUSHNYI TRANSPORT
[JOURNAL OF ABSTRACTS: AIR TRANSPORTATION].
Issued by Institut nauchnoi informatsii Akademii nauk
SSSR [Institute of Scientific Information of the Acad-
emy of Sciences of the U.S.S.R.]. Moscow, no. 5,
May 1963. [This journal is also issued in parts.]

VOPROSY RAKETNOI TEKHNIKI; sbornik perevodov i
obzorov inostrannoi periodicheskoi literatury [PROB-
LEMS OF ROCKET ENGINEERING; Translations and
Surveys of Foreign Periodical Literature]. Published
by Izd-vo inostrannoi lit-ry [Publishing House of For-
eign Literature]. Moscow, vol. 13, nos. 4(100)-5(101),
1963.

c. CHEMICAL TECHNOLOGY

AKADEMIA NAUK SSSR, Institut biokhimi, Biokhimi-
chnogo protsvodstva [ACADEMY OF SCIENCES OF
THE U.S.S.R., Institute of Biochemistry, Biochem-
istry of Tea Production]. Moscow, no. 9, 1962.

AKADEMIA NAUK SSSR, Institut biokhimi, Biokhimi-
chnogo protsvodstva [ACADEMY OF SCIENCES OF THE
U.S.S.R., Institute of Biochemistry, Biochemistry
of Wine Making]. Moscow, no. 7, 1963.

KHIMICHESKAYA PROMYSHLENNOST' [CHEMICAL
INDUSTRIES]. Organ of Gosudarstvennyi komitet po
khimii pri Gosplane SSSR [State Committee of Chem-
istry, Attached to the State Planning Committee of
the U.S.S.R.]. Moscow, no. 3, Mar. 1963.

KHIMICHESKOE MASHINOSTROENIE [CHEMICAL
MACHINERY MANUFACTURE]. Organ of Gosudar-
stvennyi komitet po avtomatizatsii i mashinostroeniiu
pri Gosplane SSSR [State Committee for Automation
and Machinery Manufacture, Attached to the State
Planning Committee of the U.S.S.R.]. Moscow,
no. 2, Mar.-Apr. 1963.

KHIMIA I TEKNOLOGIYA POLIMEROV; sbornik pere-
vodov iz inostrannoi periodicheskoi literatury [THE
CHEMISTRY AND TECHNOLOGY OF POLYMERS;
Translations From Foreign Periodical Literature].
Moscow, vol. 7, nos. 1, 4, 1963.

KHIMIA I TEKNOLOGIYA TOPLIV I MASEL [CHEM-
ISTRY AND TECHNOLOGY OF FUEL AND OIL].
Issued by Gosudarstvennyi komitet po toplivnoi
promyshlennosti pri Gosplane SSSR [State Com-
mittee for the Fuel Industry, Attached to the State
Planning Committee of the U.S.S.R.] and others.
Moscow, vol. 8, no. 3, Mar. 1963.

KHIMIKI, TSENTRAL'NYI NAUCHNO-ISSLEDOVATEL'-
SKI I PROEKTNIY INSTITUT LESOKHIMICHESKOI
PROMYSHLENNOSTI. Sbornik trudov [CENTRAL SCI-
ENTIFIC RESEARCH AND DESIGN INSTITUTE OF
THE WOOD CHEMISTRY INDUSTRY. Papers].
No. 14, 1961.

KHOLODIL'NAYA TEKHNIKA [REFRIGERATION ENGI-
NEERING]. Issued by Vsesoiuznyi nauchno-issledova-
tel'skii Institut kholodil'noi promyshlennosti [All-
Union Scientific Research Institute of the Refrigera-
tion Industry]. Moscow, vol. 40, no. 2, Mar.-Apr.
1963.

KONSERVNAYA I OVOSHCHESUSHIL'NAYA PROMYSH-
LENNOST' [THE CANNING AND DEHYDRATED
VEGETABLE INDUSTRY]. Organ of Gosudarstven-
nyi komitet po pishchevoi promyshlennosti pri Gos-
plane SSSR and Tsentral'noe pravlenie Nauchno-
tekhnicheskogo obshchestva pishchevoi promyshlen-
nosti [State Committee for the Food Industry, At-
tached to the State Planning Committee of the
U.S.S.R., and the Central Administration of the
Scientific Technological Society of the Food
Industry]. Moscow, vol. 18, no. 5, May 1963.

KRASNODAR, INSTITUT PISHCHEVOI PROMYSHLE-
NOSTI. Trudy [INSTITUTE OF THE FOOD INDUS-
TRY. Transactions]. No. 22, 1961.

LAKOKRASOCHNYE MATERIALY I IKH PRIMENENIE
[LACQUER AND PAINT MATERIALS AND THEIR
USE]. Organ of Gosudarstvennyi komitet po khimii
pri Gosplane SSSR [State Committee for Chemistry,
Attached to the State Planning Committee of the
U.S.S.R.]. Moscow, no. 2, 1963.

MASLOBOINO-ZHIROVAYA PROMYSHLENNOST' [OILS
AND FATS INDUSTRY]. Organ of Gosudarstvennyi
komitet po pishchevoi promyshlennosti pri Gosplane
SSSR and Tsentral'noe pravlenie Nauchno-tekhnich-
eskogo obshchestva pishchevoi promyshlennosti [State
Committee for the Food Industry, Attached to the
State Planning Committee of the U.S.S.R., and the
Central Administration of the Scientific Technologi-
cal Society of the Food Industry]. Moscow, vol. 29,
nos. 2-3, Feb.-Mar. 1963.

*PLASTICHESKIE MASSY [PLASTICS]. Organ of Gosu-
darstvennyi komitet po khimii pri Gosplane SSSR
[State Committee for Chemistry, Attached to the
State Planning Committee of the U.S.S.R.].
Moscow, nos. 3-4, 1963.

REFERATIVNYI ZHURNAL: KHIMICHESKOE I KHOLO-
DIL'NOE MASHINOSTROENIE (Otdel'nyi vypusk 47)
[JOURNAL OF ABSTRACTS: CHEMICAL AND RE-
FRIGERATION MACHINERY MANUFACTURE (Sep-
arate Issue 47)]. Issued by Institut nauchnoi infor-
matsii Akademii nauk SSSR [Institute of Scientific Infor-
mation of the Academy of Sciences of the U.S.S.R.].
Moscow, no. 5, May 1963.

SAKHARNAIA PROMYSHLENNOST' [SUGAR INDUSTRY].
Organ of Gosudarstvennyi komitet po pishchevoi
promyshlennosti pri Gosplane SSSR and Tsentral'noe
pravlenie Nauchno-tekhnicheskogo obshchestva pi-
shchevoi promyshlennosti [State Committee for the
Food Industry, Attached to the State Planning Com-
mittee of the U.S.S.R., and the Central Adminis-
tration of the Scientific Technological Society of the
Food Industry]. Moscow, vol. 37, no. 3, Mar. 1963.

SPIRTOVAYA PROMYSHLENNOST' [DISTILLING INDUS-
TRY]. Organ of Gosudarstvennyi komitet po pishche-
voi promyshlennosti pri Gosplane SSSR and Tsentral'-
noe pravlenie Nauchno-tekhnicheskogo obshchestva
pishchevoi promyshlennosti [State Committee for the
Food Industry, Attached to the State Planning Com-
mittee of the U.S.S.R., and the Central Adminis-
tration of the Scientific Technological Society of
the Food Industry]. Moscow, vol. 29, no. 3, 1963.

STEKLO I KERAMIKA [GLASS AND CERAMICS]. Issued
by Gosudarstvennyi komitet Soveta Ministrov SSSR po
delam stroitel'stva [State Committee of the Council
of Ministers of the U.S.S.R. for Construction]. Mos-
cow, vol. 20, no. 3, Mar. 1963.

d. CIVIL & CONSTRUCTION ENGINEERING

AKADEMIA KOMMUNAL'NOGO KHOZIAISTVA. Sbornik
nauchnykh rabot [ACADEMY OF COMMUNAL ECON-
OMY. Papers]. Moscow, no. 12, 1962. Inzhenernye
seti v usloviakh vechnoi mrozoty [Engineering Nets
Under Permafrost Conditions]; no. 13, 1962. Gorod-
skoi transport [City Transportation].

AKADEMIA NAUK URSR, Kiev, Institut hidrologii i
hidrotekhniki. Visti [ACADEMY OF SCIENCES OF
THE UKRAINIAN S.S.R. Institute of Hydrology and
Hydraulic Engineering. Bulletin]. Kiev, vol. 21(20),
1962.

AVTOMOBIL'NYE DOROGI [HIGHWAYS]. Issued by
Ministerstvo transportnogo stroitel'stva SSSR
[Ministry of Construction for the Transportation
Industry of the U.S.S.R.]. Moscow, vol. 20,
nos. 2(244), 4(246), Feb., Apr. 1963.

BETON I ZHELEZOBETON [CONCRETE AND REIN-
FORCED CONCRETE]. Organ of Gosudarstvennyi ko-
mitet Soveta Ministrov SSSR po delam stroitel'stva
[State Committee of the Council of Ministers of the
U.S.S.R. for Construction]. Moscow, vol. 9, no. 3,
Mar. 1963.

BULLETEN' STROITEL'NOI TEKHNIKI [BULLETIN OF
CONSTRUCTION ENGINEERING]. Published by Go-
sudarstvennyi komitet Soveta Ministrov SSSR po
delam stroitel'stva [State Committee of the Council
of Ministers of the U.S.S.R. for Construction].
Moscow, vol. 20, nos. 3-4, Mar.-Apr. 1963.

GIDROTEKHNIKHESKOE STROITEL'STVO [HYDRO-
TECHNICAL CONSTRUCTION]. Organ of
Ministerstvo energetiki i elektrifikatsii SSSR
[Ministry for Power Engineering and Electrifica-
tion of the U.S.S.R.]. Moscow, vol. 33, nos. 2, 4,
Feb., Apr. 1963.

LENINGRAD, GOSUDARSTVENNYI VSESOUZNYI INSTI-
TUT PO PROEKTIROVANIU I NAUCHNO-ISSLEDOVA-
TEL'SKIM RABOTAM TSEMENTNOI PROMYSHLENNOS-
TI. Trudy [STATE ALL-UNION INSTITUTE FOR
PLANNING AND SCIENTIFIC RESEARCH IN THE
CEMENT INDUSTRY. Transactions]. No. 24, 1962.

MEKHANIZATSIIA STROITEL'STVA [MECHANIZATION
OF CONSTRUCTION]. Issued by Gosudarstvennyi
komitet Soveta Ministrov SSSR po delam stroitel'stva
and Tsentral'noe pravlenie Nauchno-tekhnicheskogo
obshchestva stroitel'noi industrii [State Committee
of the Council of Ministers of the U.S.S.R. for Con-
struction and the Central Administration of the Sci-
entific Technological Society of the Construction Indus-
try]. Moscow, vol. 20, nos. 4-5, Apr.-May, 1963.

MOSCOW, INZHENERNO-STROITEL'NYI INSTITUT.
Sbornik trudov [CIVIL ENGINEERING INSTITUTE.
Papers]. No. 39, 1961.

NA STROIKAKH ROSSII [AT RUSSIAN CONSTRUCTION
PROJECTS]. Organ of Gosudarstvennyi komitet Soveta
Ministrov RSFSR po delam stroitel'stva [State Com-
mittee of the Council of Ministers of the P.S.F.S.R.]
for Construction]. Moscow, vol. 4, no. 4, Apr. 1963.

POZHARNOE DELO [FIRE FIGHTING]. Issued by
Ministerstvo vnutrennikh del RSFSR [Ministry of the
Interior of the R.S.F.S.R.]. Moscow, vol. 9(53),
nos. 3-4, Mar.-Apr. 1963.

PROMYSHLENNAYA AERODINAMIKA [INDUSTRIAL
AERODYNAMICS]. Issued by Tsentral'nyi aero-
gidrodinamicheskii institut [Central Aerohydro-
dynamic Institute]. Moscow, no. 23, 1962.

PROMYSHLENNOE STROITEL'STVO I INZHENER-
NOE SOORUZHENIYA [INDUSTRIAL CONSTRUCTION AND
ENGINEERING STRUCTURES]. Issued by Nauchno-
isslednyi institut vprovacheniya perevodov dlya
v budivnytstvo i tekhnicheskoi informatsii Akademii
budivnytstva i arkhitektury URSR [Scientific Research
Institute for the Introduction of Progressive Practices
in Construction and of Technical Information of the
Academy of Construction and Architecture of the
Ukrainian S.S.R.]. Kiev, vol. 5, no. 2(21), Mar.-Apr.
1963.

PUTI I PUTEVOE KHOZIAISTVO [RAILROAD TRACKS
AND ROADWAY MAINTENANCE]. Organ of Minister-
stvo puti soobshcheniia SSSR [Ministry of Railroad
Transportation of the U.S.S.R.]. Moscow, vol. 7,
no. 3, 1963.

REFERATIVNYI ZHURNAL: AVTOMOBIL'NYE DOROGI
[JOURNAL OF ABSTRACTS: HIGHWAYS]. Issued by
Institut nauchnoi informatsii Akademii nauk SSSR
[Institute of Scientific Information of the Academy of
Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.

SIL'S'KE BUDIVNYTSTVO [RURAL CONSTRUCTION].
Issued by Ministerstvo vyrobnytstva i zahotivai
sil's'kohospodars'kykh produktiv Ukrain's'koi SSR
[Ministry of Production and Procurement of Agri-
cultural Products of the Ukrainian S.S.R.]. Kiev,
vol. 12, no. 5, May 1962.

STROITEL'NYE MATERIALY [BUILDING MATERIALS].
Organ of Gosudarstvennyi komitet po promyshlennosti
stroitel'nykh materialov pri Gosstroo SSSR [State Com-
mittee for the Building Materials Industry, Attached
to the State Committee for Construction in the
U.S.S.R.]. Moscow, vol. 9, no. 3, Mar. 1963.

STROITEL'STVO TRUBOPROVODOV [PIPELINE CON-
STRUCTION]. Issued by Glavnoe upravlenie gazovoi
promyshlennosti pri Sovete Ministrov SSSR [Main
Administration of the Gas Industry, Attached to the
Council of Ministers of the U.S.S.R.]. Moscow,
vol. 9, no. 4, Apr. 1963.

TRANSPORTNOE STROITEL'STVO [CONSTRUCTION
FOR THE TRANSPORTATION INDUSTRY]. Organ of
Ministerstvo transportnogo stroitel'stva SSSR [Ministry
of Construction for the Transportation Industry of the
U.S.S.R.]. Moscow, vol. 13, nos. 3-4, Mar.-Apr.
1963.

TSEMENT [CEMENT]. Organ of Gosudarstvennyi
komitet Soveta Ministrov SSSR po delam stroitel'stva
[State Committee of the Council of Ministers of the
U.S.S.R. for Construction]. Moscow, vol. 20, no. 2,
Mar.-Apr. 1963.

VODOSNABZHENIE I SANTARNAIA TEKHNIKA [WATER
SUPPLY AND SANITARY ENGINEERING]. Issued by
Gosudarstvennyi komitet Soveta Ministrov SSSR po
delam stroitel'stva [State Committee of the Council of
Ministers of the U.S.S.R. for Construction]. Moscow,
no. 4, Apr. 1963.

e. ELECTRICAL ENGINEERING

- ATOMNAIA TEKHNIKA ZA RUBEZHOM [NUCLEAR ENGINEERING ABROAD].** Issued by Gosudarstvennyi Komitet Soveta Ministrov SSSR po ispol'zovaniu atomnoi energii [State Committee of the Council of Ministers of the U.S.S.R. for the Utilization of Atomic Energy]. Moscow, vol. 7, no. 5, May 1963.
- * **AVTOMATIKA I TELEMEXHANIKA [AUTOMATIC AND REMOTE CONTROL].** Issued by Institut avtomatiki i telemexhaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 24, nos. 3-4, Mar.-Apr. 1963.
- AVTOMATIKA, TELEMEXHANIKA I SVIAZ' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS].** Organ of Ministerstvo puti soobshchenia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 4, no. 4, Apr. 1963.
- ELEKTRICHESKIE STANTSII [ELECTRIC POWER STATIONS].** Organ of Gosplan SSSR [State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 34, no. 2, Feb. 1963.
- ELEKTRICHESSTVO [ELECTRICITY].** Organ of Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 3, Mar. 1963.
- ELEKTROENERGETIKA [ELECTRIC POWER].** Issued by Energeticheskii Institut Akademii nauk SSSR [Institute of Power Engineering of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 6, 1962.
- * **ELEKTROSVIAZ' [TELECOMMUNICATION].** Organ of Ministerstvo svyazi SSSR and Nauchno-tekhnicheskoe obshchestvo radioelektroniki i elektrosvyazi im. A. S. Popova [Ministry of Communication of the U.S.S.R. and the A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunication]. Moscow, vol. 17, nos. 3-5, Mar.-May 1963.
- ENERGETIK [ELECTRIC POWER TECHNICIAN].** Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot i Tsentral'nyi komitet Profsoyuza rabochikh elektrostantov i elektropromyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. on the Coordination of Research and the Central Committee of the Trade Union of Workers of Electric Power Stations and the Electrical Industry]. Moscow, vol. 11, no. 3, Mar. 1963.
- PROMYSHLENNAYA ENERGETIKA [INDUSTRIAL POWER].** Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-issledovatel'skikh rabot i Nauchno-tekhnicheskoe obshchestvo energeticheskoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research and Scientific Technological Society of the Power Industry]. Moscow, vol. 17, no. 8, Aug. 1962; vol. 18, nos. 1, 4, Jan., Apr. 1963.
- * **RADIOOTEKHNIKA [RADIO ENGINEERING].** Organ of Nauchno-tekhnicheskoe obshchestvo radioelektroniki i elektrosvyazi im. A. S. Popova [A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunications]. Moscow, vol. 18, no. 2, Feb. 1963.
- * **RADIOOTEKHNIKA I ELEKTRONIKA [RADIO ENGINEERING AND ELECTRONICS].** Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 4, Apr. 1963.
- REFERATIVNYI ZHURNAL: AVTOMATIKA, TELEMEXHANIKA I VYCHISLITEL'NAYA TEKHNIKA [JOURNAL OF ABSTRACTS: AUTOMATIC CONTROL, REMOTE CONTROL, AND COMPUTER TECHNOLOGY].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: ELEKTRONIKA I EE PRIMENENIE [JOURNAL OF ABSTRACTS: ELECTRONICS AND ITS APPLICATIONS].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: ELEKTROTEKHNIKA I ENERGETIKA [JOURNAL OF ABSTRACTS: ELECTRICAL ENGINEERING AND ELECTRIC POWER].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 3-4 Mar.-Apr. 1963. Predmetnyi ukazatel' za 1962 g. [Subject Index for 1962]. Avtorskii ukazatel' za 1962 g. [Author Index for 1962], 1963.
- REFERATIVNYI ZHURNAL: IADERNYE REAKTORY (Odel'nyi vypusk 50) [JOURNAL OF ABSTRACTS: NUCLEAR REACTORS (Separate Issue 50)].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: RADIOTEKHNIKA I ELEKTROSVIAZ' [JOURNAL OF ABSTRACTS: RADIO ENGINEERING AND TELECOMMUNICATION].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus].** Novocherkassk, vol. 6, no. 2, 1963.
- SVETOTEKHNIKA [LIGHTING ENGINEERING].** Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroeniui i Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva energeticheskoi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Automation and Machinery Manufacture and the Central Administration of the Scientific Technological Society of the Power Industry]. Moscow, vol. 9, nos. 2-3, Feb.-Mar. 1963.
- V POMOSHCH' RADIOLIUBITELIU [A GUIDE FOR RADIO AMATEURS].** Issued by Vsesoyuznoe dobrovol'noe obshchestvo sodel'stviia armii, aviatsii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 13, 1962.
- * **VESTNIK SVIAZI [COMMUNICATION REVIEW].** Issued by Ministerstvo svyazi SSSR i Tsentral'nyi komitet Profsoyuza rabochikh svyazi, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Communication of the U.S.S.R. and the Central Committee of the Trade Union of Communications Employees and Workers of Automotive Transportation and Highways]. Moscow, vol. 23, no. 4(277), Apr. 1963.
- ZARUBEZHNAIA RADIOELEKTRONIKA [RADIO ELECTRONICS ABROAD].** Moscow, no. 4, Apr. 1963.

f. INDUSTRIES & TRADES

- AKADEMIIA NAUK URSS, Kiev. Institut elektrozvarivaniia, Avtomaticheskai svara [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Electric Welding, Automatic Welding].** Kiev, vol. 16, nos. 2(119)-4(121), Feb.-Apr. 1963.
- * **DEREVOOBRABATYVAUSHCHAIYA PROMYSHLENNOST' [WOODWORKING INDUSTRY].** Issued by Gosudarstvennyi komitet po lesnoi, tselulozno-bumazhnoi, derevoobrabatvayushchei promyshlennosti i lesnomu khoziaistvu pri Gosplane SSSR i Tsentral'noe pravlenie NTO bumazhnoi i derevoobrabatvayushchei promyshlennosti [State Committee for the Forest, Woodpulp, Paper, and Woodworking Industries and Forestry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Paper and Woodworking Industry]. Moscow, vol. 12, no. 2, Feb. 1963.
- KHARCHOVA PROMYSLOVIST' [FOOD INDUSTRY].** Issued by Institut tekhnichnoi informatsii Derzhavnoho komitetu Rady Ministriv URSS po koordinatsii naukovodoslidnykh robot i Ukrain's'ke naukovotekhnichne tovarystvo kharchovoi promyslovosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Scientific Technological Society of the Food Industry]. Kiev, no. 1, Jan.-Mar. 1963.
- KHLEBOPEKARNAIA I KONDITERSKAYA PROMYSHLENNOST' [BAKING AND CONFECTIONERY INDUSTRY].** Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR i Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 7, no. 4, Apr. 1963.
- LEHKA PROMYSLOVIST' [LIGHT INDUSTRY].** Issued by Institut tekhnichnoi informatsii Derzhavnoho komitetu Rady Ministriv URSS po koordinatsii naukovodoslidnykh robot i Ukrain's'ke naukovotekhnichne tovarystvo lehkoi promyslovosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research and the Ukrainian Scientific Technological Society of Light Industry]. Kiev, no. 1(13), Jan.-Mar. 1963.
- MESTNAIA PROMYSHLENNOST' I KHUZOZHESTVENNYE PROMYSLY [LOCAL INDUSTRY AND ART TRADES].** Issued by Gosudarstvennyi komitet Soveta Ministrov RSFSR po dolam mestnoi promyshlennosti i khudozhestvennykh promyslov i TsK Profsoyuza rabochikh mestnoi promyshlennosti i kommunalnogo khoziaistva [State Committee of the Council of Ministers of the R.S.F.S.R. for Local Industry and Art Trades and the Central Committee of the Trade Union of Workers of Local Industries and Communal Economy]. Moscow, vol. 4, no. 3, Mar. 1963.
- MIASNAIA INDUSTRIIA SSSR [MEAT INDUSTRY OF THE U.S.S.R.].** Organ of Gosudarstvennyi komitet po pishchevoi promyshlennosti pri Gosplane SSSR i Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva pishchevoi promyshlennosti [State Committee for the Food Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Food Industry]. Moscow, vol. 33 [i.e. 34] no. 2, 1963; vol. 34, no. 1, 1963.
- MOLDAVSKII NAUCHNO-ISSLEDOVATELSKII INSTITUT PISHCHEVOI PROMYSHLENNOSTI. Trudy MOLDAVIAN SCIENTIFIC RESEARCH INSTITUTE OF THE FOOD INDUSTRY. Transactions].** Kishinev, vol. 2, 1962.
- MUKOMOL'NO-ELEVATORNAIA PROMYSHLENNOST' [FLOUR MILLING AND GRAIN STORAGE].** Organ of Gosudarstvennyi komitet zagotovok Soveta Ministrov SSSR [State Committee for Procurement of the Council of Ministers of the U.S.S.R.]. Moscow, vol. 20, no. 1, Jan. 1963.
- OBSHCHESTVENNOE PITANIE [PUBLIC FOOD SERVICE].** Issued by Ministerstvo torgovli RSFSR [Ministry of Commerce of the R.S.F.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1963.
- REFERATIVNYI ZHURNAL: LEGKAYA PROMYSHLENNOST' [JOURNAL OF ABSTRACTS: LIGHT INDUSTRY].** Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963. [This journal is also issued in parts.]
- * **RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiya tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry].** Moscow, no. 1(32), 1963.
- SHIVEINAYA PROMYSHLENNOST' [CLOTHING INDUSTRY].** Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR i Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, no. 1, Jan.-Feb. 1963.
- TEKSTIL'NAYA PROMYSHLENNOST' [TEXTILE INDUSTRY].** Organ of Gosudarstvennyi komitet po legkoi promyshlennosti pri Gosplane SSSR i Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva legkoi promyshlennosti [State Committee for Light Industry, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of Light Industry]. Moscow, vol. 23, nos. 2-4, Feb.-Apr. 1963.

g. MECHANICAL ENGINEERING

- AKADEMIIA NAUK GRUZINSKOI SSR, Tbilis. Institut energetiki. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Institute of Power Engineering. Transactions].** Tbilis, vol. 16, 1962.
- AVTOMATIZATSIIA PROIZVODSTVENNYKH PROTSES-SOV V MASHINOSTROENII I PRIBOROSTROENII [AUTOMATION OF PRODUCTION PROCESSES IN THE MACHINERY AND INSTRUMENT INDUSTRIES].** Issued by Institut avtomatiki i mekhaniki Akademii nauk Latvianskoi SSR [Institute of Automation and Mechanics of the Academy of Sciences of the Latvian S.S.R.]. Riga, vol. 1, 1962.

- AVTOMOBIL'NAIA PROMYSHLENNOST'** [AUTOMOBILE INDUSTRY]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 28, no. 6, June, 1962; vol. 29, no. 5, May 1963.
- AVTOMOBIL'NYI TRANSPORT** [AUTOMOTIVE TRANSPORTATION]. Organ of Ministerstvo avtomobil'nogo transporta i shosseinykh dorog RSFSR and Tsentral'nyi komitet Profsoyuza rabotnikov aviatsii, rabochikh avtomobil'nogo transporta i shosseinykh dorog [Ministry of Automotive Transport and Highways of the R.S.F.S.R. and the Central Committee of the Trade Union of Communication, Automotive Transport, and Highway Workers]. Moscow, vol. 40, no. 8, Aug. 1962; vol. 41, no. 3, Mar. 1963.
- KUZNECHNO-SHTAMPOVOCHNOE PROIZVODSTVO** [FORGING AND STAMPING]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and Scientific Technological Society of the Machinery Industry]. Moscow, vol. 5, nos. 3-4, Mar.-Apr. 1963.
- MASHINOSTROITEL'** [MACHINE BUILDER]. Organ of Nauchno-tekhnicheskoe obshchestvo mashinostroitel'noi promyshlennosti [Scientific-Technological Society of the Machinery Manufacturing Industry]. Moscow, no. 3, Mar. 1963.
- METODY ISPYTANIY DETALEI MASHIN I PRIBOROV** [METHODS FOR TESTING PARTS OF MACHINES AND INSTRUMENTS]. Issued by Moskovskii inzhenerno-fizicheskii institut [Moscow Institute of Engineering Physics]. Moscow, no. 2, 1962.
- MOSCOW. MOSKOVSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA.** Trudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION. Transactions]. No. 139, 1961.
- MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA.** Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Transactions]. No. 249, 1963.
Contents: Barkov, N. N. [Seasonal and weekday variations in railroad freight transportation] Sezonnaia i vnutrinedel'naya neravnomernost' gruzovykh perevozk na zheleznnykh dorogakh. 95 p.
No. 253, 1963.
Contents: Ashkenazi, E. A., Bakanov, V. I. [Fields of application of the various types of traction in industrial railroad transportation] Stery primeneniia razlichnykh vidov tsiagi na promyshlennom zheleznodorozhnom transporte. 133 p.
- MOSCOW. VSESOIUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHELEZNODOROZHNOGO TRANSPORTA.** Vestnik [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF RAILROAD TRANSPORTATION. Journal]. Vol. 22, nos. 1-2, 1963.
- *PRIBOROSTROENIE** [INSTRUMENT MANUFACTURE]. Organ of Gosudarstvennyi komitet po avtomatizatsii i mashinostroeniiu pri Gosplane SSSR and Tsentral'noe pravlenie Nauchno-tekhnicheskogo obshchestva priborostroitel'noi promyshlennosti [State Committee for Automation and Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific and Technological Society of the Instrument Industry]. Moscow, no. 4, Apr. 1963.
- PRYKLADNA MEKHANIKA** [APPLIED MECHANICS]. Issued by Institut budiveli'noi mekhaniky Akademii nauk URSR [Institute of Structural Mechanics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 9, nos. 1, 3, 1963.
- REFERATIVNYI ZHURNAL: AVTOMOBIL'NYI I GORODSKOI TRANSPORT** [JOURNAL OF ABSTRACTS: AUTOMOTIVE AND CITY TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963. [This journal is also issued in parts.]
- REFERATIVNYI ZHURNAL: DVIGATELI VNUTRENEGO SCORANIYA** [JOURNAL OF ABSTRACTS: INTERNAL-COMBUSTION ENGINES (Separate Issue 39)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: FOTOKINOTEKHNIKA** (Otdel'nyi vypusk 46) [JOURNAL OF ABSTRACTS: PHOTOGRAPHIC AND MOTION-PICTURE EQUIPMENT (Separate Issue 46)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: KOMMUNAL'NOE, BYTOVOE I TORGVOVOE OBOURODOVANIE** (Otdel'nyi vypusk 33) [JOURNAL OF ABSTRACTS: COMMUNAL, HOUSEHOLD, AND COMMERCIAL EQUIPMENT (Separate Issue 33)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: KOTLOSTROENIE** (Otdel'nyi vypusk 42) [JOURNAL OF ABSTRACTS: BOILER MANUFACTURE (Separate Issue 42)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 4-5, Apr.-May 1963.
- REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN** (Otdel'nyi vypusk 48) [JOURNAL OF ABSTRACTS: MATERIALS FOR MACHINERY MANUFACTURE AND THE DESIGN OF MACHINE PARTS (Separate Issue 48)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: PISHCHEVOE MASHINOSTROENIE** (Otdel'nyi vypusk 38) [JOURNAL OF ABSTRACTS: FOOD MACHINERY MANUFACTURE (Separate Issue 38)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: PROMYSHLENNYI TRANSPORT** [JOURNAL OF ABSTRACTS: INDUSTRIAL TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963. [This journal is also issued in parts.]
- REFERATIVNYI ZHURNAL: TEKHNOLOGIIA I OBOURODOVANIE HUMAGODELATEL'NOGO I POLIGRAFIKESKOGO PROIZVODSTVA** (Otdel'nyi vypusk 37) [JOURNAL OF ABSTRACTS: TECHNOLOGY AND EQUIPMENT OF THE PAPERMAKING AND PRINTING INDUSTRY (Separate Issue 37)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: TEKHNOLOGIIA MASHINOSTROENIYA** [JOURNAL OF ABSTRACTS: TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: TEPLONERGETIKA** [JOURNAL OF ABSTRACTS: HEAT ENGINEERING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: TOCHNAIA MEKHANIKA, OPTIKA I ISPYTATEL'NAIA APPARATURA** (Otdel'nyi vypusk 40) [JOURNAL OF ABSTRACTS: PRECISION MECHANICS, OPTICS, AND TESTING APPARATUS (Separate Issue 40)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: TRAKTORY I SEL'SKOKHOZIAISTVENNYE MASHINY I ORUDIYA** (Otdel'nyi vypusk 44) [JOURNAL OF ABSTRACTS: TRACTORS AND AGRICULTURAL MACHINERY AND EQUIPMENT (Separate Issue 44)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: TRUBOPROVODNYI TRANSPORT** (Otdel'nyi vypusk 45) [JOURNAL OF ABSTRACTS: PIPELINE TRANSPORTATION (Separate Issue 45)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 4-5, Apr.-May 1963.
- REFERATIVNYI ZHURNAL: TURBOSTROENIE** (Otdel'nyi vypusk 49) [JOURNAL OF ABSTRACTS: TURBINE MANUFACTURE (Separate Issue 49)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: VOPROSY TEKHNIKESKOGO PROGRESSA I ORGANIZATSII PROIZVODSTVA V MASHINOSTROENII** (Otdel'nyi vypusk 35) [JOURNAL OF ABSTRACTS: PROBLEMS OF TECHNOLOGICAL PROGRESS AND THE ORGANIZATION OF PRODUCTION IN THE MACHINERY INDUSTRY (Separate Issue 35)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- REFERATIVNYI ZHURNAL: VZAIMODEISTVIE RAZNYKH VIDOV TRANSPORTA I KONTEINERNYE PEREVOZKI** (Otdel'nyi vypusk 31) [JOURNAL OF ABSTRACTS: CONTAINER SHIPMENTS AND THE INTERACTION OF VARIOUS TYPES OF TRANSPORTATION (Separate Issue 31)]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia.** Izvestiia vysshikh uchebnykh zavedenii; priborostroenie [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Instrument Manufacture]. Moscow, vol. 6, no. 2, 1963.
- *TEPLOENERGETIKA** [HEAT ENGINEERING]. Organ of Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, vol. 10, no. 3, Mar. 1963.
- VESTNIK MASHINOSTROENIYA** [MACHINE BUILDING REVIEW]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, vol. 43, no. 4, Apr. 1963.
- ZA BEZOPASNOST' DVIZHENIYA** [FOR TRAFFIC SAFETY]. Issued by Otdel'nyi i GAI UVD Ispolkoma Mosgorsovetn [Traffic Department and the State Automobile Inspection Agency of the Administration of Internal Affairs of the Executive Committee of the Moscow City Soviet]. Moscow, vol. 5, nos. 3(56)-4(60), Mar.-Apr. 1963.
- ZA RULEM [AT THE WHEEL]** Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodel'stviia armii, aviatsei i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol. 21, nos. 2-3, Feb.-Mar. 1963.
- ZHELEZNODOROZHNYI TRANSPORT** [RAILROAD TRANSPORTATION]. Organ of Ministerstvo puti soobshcheniia SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 46, nos. 1, 4, Jan., Apr. 1963.

h. MINING & METALLURGY

AKADEMIYA NAUK KAZAKHSTANSKOI SSR, Alma-Ata. Institut nefti. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Petroleum Institute, Transactions]. Alma-Ata, vol. 4, 1961.

AKADEMIYA NAUK SSSR, Institut goruchikh iskopayemykh. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Mineral Fuels, Transactions]. Moscow, vol. 10, 1962.

AKADEMIYA NAUK SSSR, Institut metallurgii. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Metallurgy, Transactions]. Moscow, no. 13, 1963.

AKADEMIYA NAUK URSR, Kiev, Institut hirnnykh spravy. Krivorozhskii filial. Sbornik nauchnykh trudov [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Mining, Krivoy Rog Branch, Papers]. Moscow, no. 1, 1962.

***FIZIKA METALLOV I METALLOVEDENIE** [THE PHYSICS OF METALS AND METALLOGRAPHY]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Sverdlovsk, vol. 15, nos. 2-3, Feb.-Mar. 1963.

17. MILITARY & NAVAL SCIENCES

a. MILITARY SCIENCE

NASHI VESTI [OUR NEWS]. Published by Soluz chinov Russkogo korpusa [The Association of Members of the Russian Corps]. New York, vol. 19, no. 204, June 1963.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 46, no. 3(975), Feb. 1963.

b. NAVAL SCIENCE

MORSKOI FLOT [THE MERCHANT MARINE]. Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.]. Moscow, vol. 23, no. 1, Jan. 1963.

MORSKOI SBORNIK; zhurnal Voenno-Morskogo Flota Soluza SSR [NAVAL REVIEW; Magazine of the Soviet Navy]. Vol. 40(116), no. 5, May 1963.

RECHNOI TRANSPORT [INLAND WATER TRANSPORTATION]. Issued by Ministerstvo rechnogo flota [Ministry of the River Fleet]. Moscow, vol. 22, nos. 3-4, Mar.-Apr. 1963.

REFERATIVNYI ZHURNAL: VODNYI TRANSPORT [JOURNAL OF ABSTRACTS: WATER TRANSPORTATION]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963. [This journal is also issued in parts.]

RUSSIA (1923- U.S.S.R.) Ministerstvo morskogo flota, Tekhnicheskoe upravlenie, Bulletin' tekhniko-ekonomicheskoi informatsii [Ministry of the Merchant Marine, Technical Administration, Bulletin of Technical and Economic Information]. Leningrad, vol. 7, nos. 4(54), 6(56), 1962.

SUDOSTROENIE [SHIPBUILDING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po sudostroeniiu and Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [State Committee of the Council of Ministers of the U.S.S.R. for Shipbuilding and the Scientific Technological Society of the Shipbuilding Industry]. Leningrad, vol. 29, nos. 3(245)-4(246), Mar.-Apr. 1963.

*GEOLOGIA NEFTI I GAZA [THE GEOLOGY OF PETROLEUM AND GAS]. Organ of Gosudarstvennyi geologicheskii komitet SSSR and Gosudarstvennyi proizvodstvennyi komitet po gazovoi promyshlennosti SSSR [State Geological Committee of the U.S.S.R. and the State Production Committee for the Gas Industry of the U.S.S.R.]. Moscow, vol. 7, nos. 3-4, Mar.-Apr. 1963.

GORNII ZHURNAL [MINING JOURNAL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, nos. 3-4, Mar.-Apr. 1963.

LENINGRAD. VSESOIUZNYI NAUCHNO-ISLEDovATEL'SKII MARKSHEIDERSKII INSTITUT (Trudy) [ALL-UNION MINE SURVEYING SCIENTIFIC RESEARCH INSTITUTE (Transactions)]. No. 46, 1962.

*LITEINOE PROIZVODSTVO [FOUNDRY PRACTICE]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-isledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, no. 4, Apr. 1963.

METALLURGICHESKAYA I GORNORUDNAYA PROMYSHLENNOST' [METALLURGICAL, MINING, AND ORE-DRESSING INDUSTRIES]. Issued by Institute tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainy SSSR po koordinatsii nauchno-isledovatel'skikh rabot [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, no. 1(19), Jan.-Feb. 1963.

MOSCOW. INSTITUT GORNOGO DELA. Nauchnye soobshchenia [INSTITUTE OF MINING. Scientific Reports]. Vol. 11, 1961.

MOSCOW. INSTITUT NEFTEKHIMICHESKOI I GAZOVOI PROMYSHLENNOSTI. Trudy [INSTITUTE OF THE PETROCHEMICAL AND GAS INDUSTRY. Transactions]. No. 40, 1963.

OBOGASHCHENIE RUD [ORE DRESSING]. Issued by Vsesoiuznyi nauchno-isledovatel'skii i projektnyi institut mekhanicheskoi obrabotki poleznykh iskopayemykh [All-Union Scientific Research and Planning Institute for the Mechanical Processing of Minerals]. Leningrad, vol. 7, nos. 2(38)-6(42), 1962.

REFERATIVNYI ZHURNAL: GORNOE DELO [JOURNAL OF ABSTRACTS: MINING]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963.

*REFERATIVNYI ZHURNAL: METALLURGIA [JOURNAL OF ABSTRACTS: METALLURGY]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, May 1963. Avtoritski ukazatel' za 1962 g. [Author Index for 1962], 1963.

*STAL' [STEEL]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee] and others. Moscow, vol. 23, no. 4, Apr. 1963.

TORFIANAYA PROMYSHLENNOST' [PEAT INDUSTRY]. Issued by Gosudarstvennyi komitet po toplivnoi promyshlennosti pri Gosplane SSSR and Gosudarstvennyi komitet Soveta Ministrov RSFSR po koordinatsii nauchno-isledovatel'skikh rabot [State Committee for the Fuel Industry, Attached to the State Planning Committee of the U.S.S.R., and the State Committee of the Council of Ministers of the R.S.F.S.R. for the Coordination of Research]. Moscow, vol. 40, nos. 2-3, 1963.

*TSVETNYE METALLY [NONFERROUS METALS]. Organ of Gosudarstvennyi komitet po chernoi i tsvetnoi metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 36, no. 4, Apr. 1963.

TULA. GORNII INSTITUT. Nauchnye trudy [MINING INSTITUTE. Studies]. No. 3, 1961.

UGOL' [COAL]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po koordinatsii nauchno-isledovatel'skikh rabot [State Committee of the Council of Ministers of the U.S.S.R. for the Coordination of Research] and others. Moscow, vol. 38, no. 4(445), Apr. 1963.

UGOL' UKRAINY [COAL OF THE UKRAINE]. Issued by Gosudarstvennyi komitet Soveta Ministrov USSR po koordinatsii nauchno-isledovatel'skikh rabot [State Committee of the Council of Ministers of the Ukrainian S.S.R. for the Coordination of Research]. Kiev, vol. 7, no. 4, Apr. 1963.

PART C

List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agitator (6)	Agitator [Agitator]	Biul. Verkh. Suda RSFSR (7)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]
Akust. zhur. (13f)	Akusticheski zhurnal [Journal of Acoustics]	Biok. agit. [Gruz.] (6)	Bioknot agitatora [The Agitator's Notebook]. For Georgia.
Arkhit. SSSR (10b)	Arkhitektura SSSR [Architecture of the U.S.S.R.]	Bot. zhur. (13c)	Botanicheski zhurnal [Botanical Journal]
Astron. islr. (13b)	Astronomicheskii tsirkulyar [Astronomical Circular]	Den. i kred. (5c)	Den'gi i kredit [Money and Credit]
Atom. tekhn. za rub. (16e)	Atomnaya tekhnika za rubezhom [Nuclear Engineering Abroad]	Der. prom. (16f)	Derevoobrabatyvalushchaya promyshlennost' [Wood-working Industry]
Avt. dor. (16d)	Avtomobil'nye dorogi [Highways]	Dokl. AN Azerb. SSR (13a)	Akademiya nauk Azerbaidzhanskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S.S.R. Reports]
Avt. prom. (16g)	Avtomobil'naya promyshlennost' [Automobile Industry]	Dokl. AN SSSR (13a)	Akademiya nauk SSSR. Doklady [Academy of Sciences of the U.S.S.R. Reports]
Avt. transp. (16g)	Avtomobil'nyi transport [Automotive Transportation]	Dokl. TSKHA (15a)	Moscow. Moskovskaya sel'skokhozyaystvennaya akademiya im. Timiriazova. Doklady [Timiriazov Agricultural Academy of Moscow. Reports]
Avtom. i telem. (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]	Doshk. vosp. (8a)	Doshkol'noe vospitaniye [Preschool Education]
Avtom. svar. (16f)	Akademiya nauk URSR, Kiev. Institut elektrozvarivaniya. Avtomaticheskaya svarka [Academy of Sciences of the Ukrainian S.S.R. Institute of Electric Welding. Automatic Welding]	Doshk. vykh. (8a)	Doshkol'no vykhovaniya [Preschool Education]
Avtom., telem. i svyaz' (16e)	Avtomatika, telemekhanika i svyaz' [Automatic Control, Remote Control, and Communications]	Dosl. i mat. z ukr. movy (11a)	Doslidzhenniya i materialy z ukrains'koi movy [Studies and Materials on the Ukrainian Language]
Az. i Afr. seg. (1b)	Aziya i Afrika segodnya [Asia and Africa Today]	Ekonom. Rnd. Ukr. (5b)	Ekonomika Radians'koi Ukrainy [Economics of the Soviet Ukraine]
Azerb. med. zhur. (14a)	Azerbaidzhan tibb zhurnaly. Azerbaidzhanstii meditsinskii zhurnal [Azerbaijan Medical Journal]	Ekonom. sel'khoz. (5b)	Ekonomika sel'skogo khozyaystva [Economics of Agriculture]
Belarus' (1b)	Belarus' [White Russia]	Ekonom. stroit. (5b)	Ekonomika stroitel'stva [Economics of Construction]
Bet. i zhel.-bet. (16d)	Beton i zhelezobeton [Concrete and Reinforced Concrete]	Elek. sta. (16e)	Elektricheskoe stantsii [Electric Power Stations]
Bezop. truda v prom. (16a)	Bezopasnost' truda v promyshlennosti [Industrial Safety]	Elektrichestvo (16e)	Elektrichestvo [Electricity]
Bibliot. SSSR (2b)	Biblioteki SSSR [Libraries of the U.S.S.R.]	Elektroenergetika (16e)	Elektroenergetika [Electric Power]
Bibliotekar' (2b)	Bibliotekar' [The Librarian]	Elektrosvyaz' (16e)	Elektrosvyaz' [Telecommunication]
Biokhim. chain. proizv. (16c)	Akademiya nauk SSSR. Institut biokhimii. Biokhimiya chainogo proizvodstva [Academy of Sciences of the U.S.S.R. Institute of Biochemistry. Biochemistry of Tea Production]	Energetik (16e)	Energetik [Electric Power Technician]
Biokhim. vin. (16c)	Akademiya nauk SSSR. Institut biokhimii. Biokhimiya vinodeliya [Academy of Sciences of the U.S.S.R. Institute of Biochemistry. Biochemistry of Wine Making]	Fauna SSSR (13c)	Fauna SSSR [Fauna of the U.S.S.R.]
Biokhimiya (13c)	Biokhimiya [Biochemistry]	Fin. SSSR (5c)	Finansy SSSR [Finance of the U.S.S.R.]
Biol. v shkole (13c)	Biologiya v shkole [Biology in Schools]	Fiz. met. i metalloved. (16h)	Fizika metallov i metallovedeniye [The Physics of Metals and Metallography]
Biul. Abast. astrofiz. obser. (13b)	Abastumani. Astrofizicheskaya observatoriya. Biulleten' [Astrophysical Observatory. Bulletin]	Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]
Biul. Ispol. kom. Mosk. gor. sov. (6)	Moscow. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]	Fiz. v shkole (13f)	Fizika v shkole [Physics in Schools]
Biul. Kom. chetv. per. (12c)	Akademiya nauk SSSR. Komissiya po izucheniyu chetvertnogo perioda. Biulleten' [Academy of Sciences of the U.S.S.R. Commission for the Study of the Quaternary Period. Bulletin]	Geog. v shkole (12b)	Geografiya v shkole [Geography in Schools]
Biul. Min. vys. i sred. spets. obr. SSSR (8a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]	Geokhimiya (12c)	Geokhimiya [Geochemistry]
Biul. Sov. po seism. (12c)	Akademiya nauk SSSR. Sovet po seismologii. Biulleten' [Academy of Sciences of the U.S.S.R. Council on Seismology. Bulletin]	Geol. i geofiz. (12c)	Geologiya i geofizika [Geology and Geophysics]
Biul. stroit. tekhn. (16d)	Biulleten' stroitel'noi tekhniki [Bulletin of Construction Engineering]	Geol. mest. red. elem. (12c)	Geologiya mestorozhdenii redkikh elementov [Geology of Rare-Element Deposits]
Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. (16a)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii. Biulleten' tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute for Scientific and Technical Information. Bulletin of Technical and Economic Information]	Geol. nefli i gaza (16h)	Geologiya nefli i gaza [The Geology of Petroleum and Gas]
Biul. tekhn.-ekon. inform. Tekhn. upr. Min. mor. flota (17b)	Russia (1923- U.S.S.R.) Ministerstvo morskogo flota. Tekhnicheskoe upravleniye. Biulleten' tekhniko-ekonomicheskoi informatsii [Ministry of the Merchant Marine. Technical Administration. Bulletin of Technical and Economic Information]	Geol. zhur. (12c)	Geologichnyi zhurnal [Geological Journal]
Biul. VAGO (13b)	Vsesoyuznoye astronomo-geodezicheskoe obshchestvo. Biulleten' [All-Union Astronomical-Geodetic Society. Bulletin]	Geomag. i aer. (13f)	Geomagnetizm i aeronomiya [Geomagnetism and Aeronomy]
		Gidr. i mel. (15a)	Gidrotekhnika i melioratsiya [Hydraulic Engineering and Reclamation]
		Gidr. stroit. (16d)	Gidrotekhnicheskoe stroitel'stvo [Hydrotechnical Construction]
		Inform. biul. nov. inostr. knig. postup. v Bibl. im. V.I. Len. Ser. 1 (2a)	Moscow. Publitsnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 1: Fiziko-matematicheskoe, khimicheskoe i geologo-geograficheskoe nauki; tekhnika i tekhnicheskoe nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, Chemical, Geological, and Geographical Sciences; Technology and Technological Sciences]
		Inform. biul. nov. inostr. knig. postup. v Bibl. im. V.I. Len. Ser. 2 (2a)	Moscow. Publitsnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 2: Biologicheskoe, meditsinskoe i sel'skokhozyaystvennyye nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological, Medical, and Agricultural Sciences]

Inform. biul. nov. inostr. knig. postup. v Bibl. im. V.I. Len. Ser. 3 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi bulletin' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V.I. Lenina. Seriya 3: Obshchestvennye nauki, khudozhestvennaya literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]	Izv. vys. ucheb. zav. ; elektromekh. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]
Inform. biul. Sov. antark. eksp. (1a)	Sovetskaya antarktikeskaya ekspeditsiya, 1955-1958. Informatsionnyi bulletin' [Soviet Antarctic Expedition, 1955-1958. Information Bulletin]	Izv. vys. ucheb. zav. ; mat. (13e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; matematika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mathematics]
Inform. sbor. TSNIMF. Mor. pravo i prak. (7)	Leningrad. Tsentral'nyi nauchno-issledovatel'skiy institut morskogo flota. Informatsionnyi sbornik. Morskoe pravo i praktika [Central Scientific Research Institute of the Merchant Marine. Information Bulletin. Maritime Law and Practice]	Izv. vys. ucheb. zav. ; prav. (7)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; pravovedeniye [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Jurisprudence]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh spisok i kartotek, sostavlyennykh bibliotekami Sovetskogo Soyuza [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]	Izv. vys. ucheb. zav. ; prib. (16g)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; priborostroyeniye [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Instrument Manufacture]
Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]	Izv. vys. ucheb. zav. ; stroit. i arkhitekt. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Radio Engineering]
Inostr. iaz. v shkole (11a)	Inostrannyye iazyki v shkole [Foreign Languages in Schools]	Izv. vys. ucheb. zav. ; tekhn. i tekhn. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; tekhnologiya tekstil'noi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]
Inzh. -fiz. zhurn. (16a)	Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]	Kal. znam. i pam. dat (4a)	Kalendar' znamenatel'nykh i pamiatnykh dat [Calendar of Significant and Memorable Dates]
Isk. kino (9a)	Ikusstvo kino [Cinema Art]	Kardiologiya (14a)	Kardiologiya [Cardiology]
Isk. spui. Zem. (13f)	Ikusstvennyye sputniki Zemli [Artificial Earth Satellites]	Kaz. med. zhurn. (14a)	Kazanskii meditsinskii zhurnal [Kazan Medical Journal]
Iskusstvo (10a)	Ikusstvo [Art]	Khar. prom. (16f)	Kharchova promyslovost' [Food Industry]
Ist. SSSR (4a)	Istoriya SSSR [History of the U.S.S.R.]	Khim. ; sist. uk. st v inostr. zhurn. (13d)	Moscow. Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury. Khimiya; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [All-Union State Library of Foreign Literature. Chemistry; Classified Index of Articles in Foreign Periodicals]
Ist. zap. (4a)	Istoricheskie zapiski [Historical Records]	Khim. i tekhn. polim. (16c)	Khimiya i tekhnologiya polimerov; sbornik perevodov iz inostrannoi periodicheskoi literatury [The Chemistry and Technology of Polymers; Translations From Foreign Periodical Literature]
IUn. nat. (13c)	IUnyi naturalist [Young Naturalist]	Khim. i tekhn. topl. i masel (16c)	Khimiya i tekhnologiya topliv i masel [Chemistry and Technology of Fuel and Oil]
IUn. tekhn. (16a)	IUnyi tekhniki [Young Technician]	Khim. mashinost. (16c)	Khimicheskoe mashinostroyeniye [Chemical Machinery Manufacture]
Izm. tekhn. (16a)	Izmeritel'naya tekhnika [Measurement Techniques]	Khim. prom. (16c)	Khimicheskaya promyshlennost' [Chemical Industries]
Izobretatel' i ratsionalizator [Inventor and Efficiency Promoter]	Izobretatel' i ratsionalizator [Inventor and Efficiency Promoter]	Khim. v shkole (13d)	Khimiya v shkole [Chemistry in Schools]
Izv. AN Azerb. SSR. Ser. geol. -geog. nauk i nefti (12c)	Akademiiya nauk Azerbaidzhanskoi SSR, Baku. Izvestiya. Seriya geologiko-geograficheskikh nauk i nefti [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Geological and Geographical Sciences and Petroleum]	Khib. i kond. prom. (16f)	Khiblopekarnaya i konditerskaya promyshlennost' [Baking and Confectionery Industry]
Izv. AN Kir. SSR. Ser. est. i tekhn. nauk (1a)	Akademiiya nauk Kirgizskoi SSR, Frunze. Izvestiya. Seriya estestvennykh i tekhnicheskikh nauk [Academy of Sciences of the Kirghiz S.S.R. Bulletin. Series in the Natural and Technological Sciences]	Khol. tekhn. (16c)	Kholodil'naya tekhnika [Refrigeration Engineering]
Izv. AN Latv. SSR (1a)	Latvijas Padomju Sociālistiskās Republikas Zinatņu akadēmija. Vēstis. Izvestija Akademii nauk Latvijas SSR [Academy of Sciences of the Latvian S.S.R. Bulletin]	Klin. khir. (14h)	Klinicheskaya khirurgiya [Clinical Surgery]
Izv. AN SSSR. Otd. khim. nauk (13d)	Akademiiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk [Academy of Sciences of the U.S.S.R. Bulletin. Department of Chemical Sciences]	Klub (5e)	Klub [The Club]
Izv. AN SSSR. Ser. fiz. (13f)	Akademiiya nauk SSSR. Izvestiya. Seriya fizicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Physical Series]	Knizh. let. (2a)	Knizhnaya letopis' [Book Chronicle]
Izv. AN SSSR. Ser. geofiz. (13f)	Akademiiya nauk SSSR. Izvestiya. Seriya geofizicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geophysical Series]	Komm. Bel. (6)	Kommunist Belorussii [Communist of White Russia]
Izv. AN SSSR. Ser. geog. (12b)	Akademiiya nauk SSSR. Izvestiya. Seriya geograficheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geographical Series]	Komm. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]
Izv. AN SSSR. Ser. mat. (13a)	Akademiiya nauk SSSR. Izvestiya. Seriya matematicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Mathematical Series]	Komm. Uz. (6)	Kommunist Uzbekistana [Communist of Uzbekistan]
Izv. AN Turk. SSR. Ser. obshchestv. nauk (1a)	Akademiiya nauk Turkmenskoi SSR, Ashkhabad. Izvestiya. Seriya obshchestvennykh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Social Sciences]	Kommunist (6)	Kommunist [Communist]
Izv. AN Uz. SSR. Ser. fiz. -mat. nauk (13f)	Akademiiya nauk Uzbekskoi SSR, Tashkent. Izvestiya. Seriya fiziko-matematicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Physical and Mathematical Sciences]	Komsem. zhizn' (5a)	Komsemol'skaya zhizn' [Life of Communist Youth]
Izv. AN Uz. SSR. Ser. tekhn. nauk (16a)	Akademiiya nauk Uzbekskoi SSR, Tashkent. Izvestiya. Seriya tekhnicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Technical Sciences]	Kons. i ov. prom. (16c)	Konservnaya i ovoshchesushil'naya promyshlennost' [The Canning and Dehydrated Vegetable Industry]
Izv. APN (8a)	Akademiiya pedagogicheskikh nauk RSFSR, Moscow. Izvestiya [Academy of Pedagogical Sciences of the R. S. F. S. R. Bulletin]	Koop. Kazakh. (5a)	Kooperativ Kazakhstana [The Cooperative Worker of Kazakhstan]
Izv. Astron. obser. (13b)	Odessa. Universitet. Observatoriya. Izvestiya [University. Observatory. Bulletin]	Krat. soob. Inst. arkh. (4b)	Akademiiya nauk SSSR. Institut arkhologii. Kratkoe soobshcheniye o dokladakh i polevykh issledovaniyakh [Academy of Sciences of the U.S.S.R. Institute of Archaeology. Brief Summaries of Reports and Field Explorations]
Izv. GosNIORKH (15b)	Leningrad. Gosudarstvennyi nauchno-issledovatel'skiy institut ozernogo i rechnogo rybnogo khozaystva; Izvestiya [State Scientific Research Institute of Lake and River Fisheries. Bulletin]	Krat. soob. Inst. nar. Az. (4a)	Akademiiya nauk SSSR. Institut narodov Azii. Kratkoe soobshcheniye [Academy of Sciences of the U.S.S.R. Institute of the Peoples of Asia. Brief reports]
Izv. TINRO (15b)	Vladivostok. Tikhookeanskii nauchno-issledovatel'skiy institut rybnogo khozaystva i okeanografi. Izvestiya [Pacific Ocean Scientific Research Institute of Fisheries and Oceanography. Bulletin]	Kristallografiya (13f)	Kristallografiya [Crystallography]
Izv. Vses. geog. ob.-vr. (12b)	Geograficheskoe obshchestvo SSSR. Izvestiya [Geographic Society of the U.S.S.R. Bulletin]	Kryl. rod. (16b)	Kryl'ia rodiny [Wings of the Motherland]
		Kult. i zhizn' (1b)	Kul'tura i zhizn' [Culture and Life]
		Kult.-pros. rab. (8a)	Kul'turno-prosvetitel'naya rabota [Cultural and Educational Work]

Kuz. - shtam. proizv. (16g) Kuznechno-shtampovoechnoe proizvodstvo [Forging and Stamping]

Lab. delo (14e) Laboratornoe delo [Laboratory Work]

Lakokras. mat. i ikh prim. (16c) Lakokrasochnye materialy i ikh primeneniye [Lacquer and Paint Materials and Their Use]

Leh. prom. (16f) Lehka promyslovist' [Light Industry]

Les. khoz. (15c) Lesnoe khoz'istvo [Forestry]

Let. gazet. st. (2a) Letopis' gazetnykh statei [Chronicle of Newspaper Articles]

Let. zhur. st. (2a) Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]

Lit. i isk. nar. SSSR i zarub. stran (11b) Literatura i iskusstvo narodov SSSR i zarubezhnykh stran [Literature and Art of the Peoples of the U.S.S.R. and Foreign Countries]

Lit. proizv. (16h) Mashinostroitel' (16g) Mashinostroitel' [Machine Builder]

Masl. -zhir. prom. (16c) Masloboino-zhirovaia promyshlennost' [Oils and Fats Industry]

Mat. i soob. issl. otd. inst. po izuch. SSSR (4a) Institut zur Erforschung der UdSSR. Materialy i soobshcheniia issledovatel'skogo otdela [Institute for the Study of the U.S.S.R. Materials and Reports of the Research Department]

Mat. po min. Kol'. poluost. (12c) Materialy po mineralogi Kol'skogo poluostrova [Materials on the Mineralogy of the Kola Peninsula]

Mat. sbor. (13e) Matematicheski sbornik [Mathematical Review]

Mat. v shkole (13e) Matematika v shkole [Mathematics in Schools]

Med. ref. zhur. (14a) Meditsinskii referativnyi zhurnal [Medical Abstracts]

Med. sestra (14g) Meditsinskaya sestra [Medical Nurse]

Med. zhur. Uzb. (14a) Meditsinskii zhurnal Uzbekistana [Medical Journal of Uzbekistan]

Mekh. sil'. hosp. (15a) Mekhanizatsiia sil'skogo hospodarstva [Mechanization of Agriculture]

Mekh. stroit. (16d) Mekhanizatsiia stroitel'stva [Mechanization of Construction]

Mest. prom. i khud. promys. (16f) Mestnaia promyshlennost' i khudozhestvennye promysly [Local Industry and Art Trades]

Met. i gornorud. prom. (16g) Metallurgicheskai i gornorudnaia promyshlennost' [Metallurgical, Mining, and Ore Dressing Industries]

Metod. isp. det. mash. i prib. (16g) Metody issyptanii detaiei mashin i priborov [Methods for Testing Parts of Machines and Instruments]

Mezhdunar. zhizn' (6) Mezhdunarodnaia zhizn' [International Life]

Mias. ind. SSSR (16f) Miasnaia industriia SSSR [Meat Industry of the U.S.S.R.]

Min. syr'e (12c) Mineral'noe syr'e [Mineral Raw Materials]

Mir. ekon. i mezhdunar. otn. (5b) Mirovaia ekonomika i mezhdunarodnye otnosheniia [World Economics and International Relations]

Mol. komm. (6) Metodol' kommunist [The Young Communist]

Mor. flot (17b) Morskoi flot [The Merchant Marine]

Mor. sbor. (17b) Morskoi sbornik; zhurnal Voenno-Morskogo Flota Sotuzza SSR [Naval Review; Magazine of the Soviet Navy]

k. -elev. prom. (16f) Makomol'no-elevatornaia promyshlennost' [Flour Milling and Grain Storage]

(16a) Vsesoiuznyi Sovet nauchno-tekhnicheskikh obshchestv. Nauchno-tekhnicheskie obshchestva SSSR [All-Union Council of Scientific Technological Societies, Scientific Technological Societies of the U.S.S.R.]

stroit. Ros. (16d) Na stroikakh Rossi [At Russian Construction Projects]

ach. shkola (8a) Nachal'nai shkola [Primary School]

lar. khoz. Uzb. (5b) Narodnoe khoz'istvo Uzbekistana [The National Economy of Uzbekistan]

Nar. obr. (8a) Narodnoe obrazovanie [Public Education]

Nar. tvorch. ta etn. (12a) Narodna tvorchist' ta etnografiia [Folk Art and Ethnography]

Nauch. dokl. vys. shkoly; bioi. nauki (13c) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; biologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Biological Sciences]

Nauch. dokl. vys. shkoly; filol. nauki (11a) Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly; filologicheskie nauki [Ministry of Higher and Secondary Specialized Education. Research Papers of Higher Schools; Philological Sciences]

Nauch. soob. IGD (16h) Moscow. Institut gornogo dola. Nauchnye soobshcheniia [Institute of Mining. Scientific Reports]

Nauch. trudy Tul. gor. inst. (16h) Tul. Gornyi Institut. Nauchnye trudy [Mining Institute. Studies]

Nauch. zap. V.L.TI (15c) Voronezh. Lesotekhnicheskii Institut. Nauchnye zapiski [Forestry and Lumbering Institute. Studies]

Nauka i rel. (3b) Nauka i religii [Science and Religion]

Nauka i zhizn' (13a) Nauka i zhizn' [Science and Life]

Nauka i zhyt'ia (13a) Nauka i zhyt'ia [Science and Life]

Nov. inostr. lit. po filos. (3a) Novaya inostrannai literatura po filosofii [New Foreign Literature on Philosophy]

Nov. inostr. lit. po ist., arkheol. i etn. (4a) Novaya inostrannai literatura po istorii, arkheologii i etnografii [New Foreign Literature on History, Archaeology, and Ethnography]

Nov. inostr. lit. po lit. (11b) Novaya inostrannai literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]

Nov. knigi za rub. Ser. B (16a) Novye knigi za rubezhom. Seriya B: Tekhnika [New Foreign Books. Series B: Technology]

Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. (2a) Novye knigi za rubezhom po obshchestvennym naukam; ekonomika, filosofii, istoriia, mezhdunarodnye otnosheniia [New Foreign Books on the Social Sciences; Economics, Philosophy, History, International Relations]

Nov. lit. o nauche i nauch.-issledovatel'skoi rabote za rubezhom (2a) Novaya literatura o nauche i nauchno-issledovatel'skoi rabote za rubezhom [New Literature on Science and Research Abroad]

Nov. lit. po Bolg. (2a) Novina literatura po Bolgarii [New Literature on Bulgaria]

Nov. lit. po Chekh. (2a) Novina literatura po Chexoslovakii [New Literature on Czechoslovakia]

Nov. lit. po Pol'. (2a) Novina literatura po Pol'she [New Literature on Poland]

Nov. sov. ekon. lit. (5b) Novaya sovetskai ekonomicheskai literatura [New Soviet Economic Literature]

Nov. sov. i inostr. lit. po stran. zarub. Vost. (2a) Novaya sovetskai i inostrannai literatura po stranam zarubezhnogo Vostoka [New Soviet and Foreign Literature on the Countries of the Non-Soviet East]

Nov. sov. i inostr. lit. po vop. rel. i ateiz. (3b) Novaya sovetskai i inostrannai literatura po voprosam religii i ateizma [New Soviet and Foreign Literature on the Problems of Religion and Atheism]

Nov. sov. lit. po filos. (3a) Novaya sovetskai literatura po filosofii [New Soviet Literature on Philosophy]

Nov. sov. lit. po iaz. (11a) Novaya sovetskai literatura po iazykoznaniiu [New Soviet Literature on Linguistics]

Nov. sov. lit. po ist., arkheol. i etn. (4a) Novaya sovetskai literatura po istorii, arkheologii i etnografii [New Soviet Literature on History, Archaeology, and Ethnography]

Nov. sov. lit. po lit. (11b) Novaya sovetskai literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]

Nov. v korm. sel'khoz. zhiv. (15b) Novoe v kormlenii sel'skokhoziaistvennykh zhivotnykh; sbornik perevodov iz inostranoi periodicheskoi literatury [What is New in the Feeding of Farm Animals; Translations of Foreign Periodical Literature]

Nov. vram. (6) Novoe vremia [New Times]

Obog. rud (16h) Obogashchenie rud [Ore Dressing]

Obshchestv. nauki v Uz. (1a) Obshchestvennye nauki v Uzbekistane [Social Sciences in Uzbekistan]

Obshchestv. pit. (16f) Obshchestvennoe pitanie [Public Food Service]

Ogonek (1b) Ogonek [The Little Light]

Okeanologiya (12b) Okeanologiya [Oceanology]

Okhr. priro. i zapov. delo v SSSR (13a) Okhrana prirody i zapovednoe delo v SSSR. Biulleten' [Conservation and the Work of the Preserves in the U.S.S.R. Bulletin]

Okhr. truda i sots. strakh. (5d) Okhrana truda i sotsial'noe strakhovanie [Protection of Labor and Social Insurance]

Opt. i spekt. (13f) Optika i spektroskopiya [Optics and Spectroscopy]

Opyt. rab. bibliot. s inostr. lit. (2b) Moscow. Vsesoiuznaia gosudarstvennaia biblioteka inostranoi literatury. Opyt raboty bibliotek s inostranoi literaturoi [All-Union State Library of Foreign Literature. Library Practices in Working With Foreign Materials]

Ornitologiya (13c) Ornitologiya [Ornithology]

Ortop. i travm. i protez. (14h) Ortopediia, travmatologiya i protezirovaniie [Orthopedics, Traumatology, and Prosthesis]

Paleont. zhur. (12c) Paleontologicheskii zhurnal [Paleontological Journal]

Part. zhizn' (6) Partinai zhizn' [Party Life]

Part. zhizn' Kazakh. (6) Partinai zhizn' Kazakhstana [Party Life in Kazakhstan]

Pediatr. (14b) Pediatr. [Pediatrics]

Plast. massy (16c) Plasticheskie massy [Plastics]

Po rad. Ukr. (1b) Ukrains'ke tovarystvo druzhby i kul'turnoho zv'iazku z zarubizhnyimi krahnamy. Po radiatsii Ukrainy; foto-khronika [Ukrainian Society for Friendship and Cultural Relations with Foreign Countries. Through the Soviet Ukraine; Photo Report]

808

Poligr. proizv. (2c)	Poligraficheskoe proizvodstvo [Printing Industry]	Ref. zhur. : Fotokinetekh. (16g)	Referativnyi zhurnal: Fotokinetekhika (Oldel'nyi vypusk 46) [Journal of Abstracts: Photographic and Motion-Picture Equipment (Separate Issue 46)]
Polit. samoobr. (6)	Politicheskoe samoobrazovanie [Political Self-Education]	Ref. zhur. : Geod. (13b)	Referativnyi zhurnal: Geodeziia (Oldel'nyi vypusk 52) [Journal of Abstracts: Geodesy (Separate Issue 52)]
Pozh. delo (16d)	Pozharnoe delo [Fire Fighting]	Ref. zhur. : Geofiz. (13f)	Referativnyi zhurnal: Geofizika [Journal of Abstracts: Geophysics]
Prak. po iad. fiz. (13f)	Praktikum po iadornoj fizike [Laboratory Manual on Nuclear Physics]	Ref. zhur. : Geog. (12b)	Referativnyi zhurnal: Geografiia [Journal of Abstracts: Geography]
Prak. sudebnopsikh. ekspert. (14c)	Praktika sudebnopsikhiatricheskoi ekspertizy [Practice of Forensic Psychiatry Expertise]	Ref. zhur. : Geol. (12c)	Referativnyi zhurnal: Geologiya [Journal of Abstracts: Geology]
Prep. ist. v shkole (4a)	Prepodavanie istorii v shkole [Teaching History in Schools]	Ref. zhur. : Gor. delo (16h)	Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining]
Prib. i tekhn. eksp. (13f)	Pribory i tekhnika eksperimenta [Instruments and Experimental Techniques]	Ref. zhur. : IAd. reak. (16e)	Referativnyi zhurnal: IAdernye reaktory (Oldel'nyi vypusk 50) [Journal of Abstracts: Nuclear Reactors (Separate Issue 50)]
Priborostroenie (16g)	Priborostroenie [Instrument Manufacture]	Ref. zhur. : Khim. i khol. mashinost. (16c)	Referativnyi zhurnal: Khimicheskoe i kholodil'noe mashinostroenie (Oldel'nyi vypusk 47) [Journal of Abstracts: Chemical and Refrigeration Machinery Manufacture (Separate Issue 47)]
Prikl. mat. i mekh. (13e)	Prikladnaya matematika i mekhanika [Applied Mathematics and Mechanics]	Ref. zhur. : Komm. i byt. i torg. obor. (16g)	Referativnyi zhurnal: Kommunal'noe, bytovoe i torgovoe oborudovanie (Oldel'nyi vypusk 33) [Journal of Abstracts: Communal, Household, and Commercial Equipment (Separate Issue 33)]
Prim. ul'trakust. k issl. veshch. (13f)	Primenenie ul'trakustiki k issledovaniyu veshchestva [Use of Ultrasonic Waves for the Study of Matter]	Ref. zhur. : Kotlostr. (16g)	Referativnyi zhurnal: Kotlostroenie (Oldel'nyi vypusk 42) [Journal of Abstracts: Boiler Manufacture (Separate Issue 42)]
Priroda (13a)	Priroda [Nature]	Ref. zhur. : Leg. prom. (16f)	Referativnyi zhurnal: Legkaya promyshlennost' [Journal of Abstracts: Light Industry]
Probl. dif. i raspr. voln (13f)	Problemy difraktsii i rasprostraneniya voln [Problems in Wave Diffraction and Propagation]	Ref. zhur. : Lesoved. i lesovod. (15c)	Referativnyi zhurnal: Lesovedeniye i lesovodstvo (Oldel'nyi vypusk 56) [Journal of Abstracts: Forestry and Forest Management (Separate Issue 56)]
Probl. kib. (13a)	Problemy kibernetiki [Problems of Cybernetics]	Ref. zhur. : Mashinostroi. mat., konstr. i rasch. det. mash. (16g)	Referativnyi zhurnal: Mashinostroitel'nye materialy, konstruktii i raschet detalei mashin (Oldel'nyi vypusk 48) [Journal of Abstracts: Materials for Machinery Manufacture and the Design of Machine Parts (Separate Issue 48)]
Probl. kosm. biol. (13c)	Problemy kosmicheskoi biologii [Problems of Cosmic Biology]	Ref. zhur. : Mat. (13e)	Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]
Probl. nov. grado-stroi. (10b)	Problemy novogo gradostroitel'stva [Problems of Soviet City Planning]	Ref. zhur. : Med. geog. (14a)	Referativnyi zhurnal: Meditsinskaya geografiia (Oldel'nyi vypusk 36) [Journal of Abstracts: Medical Geography (Separate Issue 36)]
Probl. sud. psikh. (14c)	Problemy sudebnoi psikhiatrii [Problems of Forensic Psychiatry]	Ref. zhur. : Mpt. (16h)	Referativnyi zhurnal: Metallurgiya [Journal of Abstracts: Metallurgy]
Prom. aerodin. (16d)	Promyshlennaya aerodinamika [Industrial Aerodynamics]	Ref. zhur. : Metr. i izm. tekhn. (16a)	Referativnyi zhurnal: Metrologiya i izmeritel'naya tekhnika (Oldel'nyi vypusk 32) [Journal of Abstracts: Measurement and Measurement Techniques (Separate Issue 32)]
Prom. Arm. (16a)	Promyshlennost' Armenii [Industry of Armenia]	Ref. zhur. : Ob. vop. pat. Onk. (14e)	Referativnyi zhurnal: Obshchie voprosy patologii, Onkologiya (Oldel'nyi vypusk 53) [Journal of Abstracts: General Problems of Pathology. Oncology (Separate Issue 53)]
Prom. energ. (16e)	Promyshlennaya energetika [Industrial Power]	Ref. zhur. : Pishch. mashinost. (16g)	Referativnyi zhurnal: Pishchevoe mashinostroenie (Oldel'nyi vypusk 38) [Journal of Abstracts: Food Machinery Manufacture (Separate Issue 38)]
Prom. stroi. i inzh. soor. (16d)	Promyshlennoe stroitel'stvo i inzhenernyye sooruzheniya [Industrial Construction and Engineering Structures]	Ref. zhur. : Pochv. (16a)	Referativnyi zhurnal: Pochвоведение (Oldel'nyi vypusk 57) [Journal of Abstracts: Soil Science (Separate Issue 57)]
Prykl. mekh. (16g)	Prikladnaya mekhanika [Applied Mechanics]	Ref. zhur. : Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyy transport [Journal of Abstracts: Industrial Transportation]
Put' i put. khoz. (16d)	Put' i putevoye khoziaistvo [Railroad Tracks and Roadway Maintenance]	Ref. zhur. : Radiotekh. i elektrosviaz' (16g)	Referativnyi zhurnal: Radiotekhnika i elektrosviaz' [Journal of Abstracts: Radio Engineering and Telecommunication]
Rab. i slal. (6d)	Rabotnitsa i slalanka [The Woman Worker and the Peasant Woman]	Ref. zhur. : Raketostr. (16b)	Referativnyi zhurnal: Raketoostroenie (Oldel'nyi vypusk 41) [Journal of Abstracts: Rocket Building (Separate Issue 41)]
Rad. pravo (7)	Radians'ko pravo [Soviet Law]	Ref. zhur. : Rast. (16d)	Referativnyi zhurnal: Rastenievodstvo (Oldel'nyi vypusk 55) [Journal of Abstracts: Plant Culture (Separate Issue 55)]
Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Electronics]	Ref. zhur. : Tekh. i obor. bumagodel. i poligr. proizv. (16g)	Referativnyi zhurnal: Tekhnologiya i oborudovanie bumagodelatel'nogo i poligraficheskogo proizvodstva (Oldel'nyi vypusk 37) [Journal of Abstracts: Technology and Equipment of the Papermaking and Printing Industry (Separate Issue 37)]
Radiotekhnika (16e)	Radiotekhnika [Radio Engineering]	Ref. zhur. : Tekh. mashinost. (16g)	Referativnyi zhurnal: Tekhnologiya mashinostroeniia [Journal of Abstracts: Technology of Machinery Manufacture]
Rech. transp. (17b)	Rechnoi transport [Inland Water Transportation]	Ref. zhur. : Teploenerg. (16g)	Referativnyi zhurnal: Teploenergetika [Journal of Abstracts: Heat Engineering]
Ref. sbor. : Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry]	Ref. zhur. : Toch. mekh., opt. i isp. app. (16g)	Referativnyi zhurnal: Toch'naya mekhanika, optika i ispytatel'naya apparatura (Oldel'nyi vypusk 40) [Journal of Abstracts: Precision Mechanics, Optics, and Testing Apparatus (Separate Issue 40)]
Ref. zhur. : Astron. (13b)	Referativnyi zhurnal: Astronomiya (Oldel'nyi vypusk 51) [Journal of Abstracts: Astronomy (Separate Issue 51)]	Ref. zhur. : Trakt. i sel'khoz. mash. i orud. (16g)	Referativnyi zhurnal: Traktory i sel'skokhoziaistvennyye mashiny i orudiya (Oldel'nyi vypusk 44) [Journal of Abstracts: Tractors and Agricultural Machinery and Equipment (Special Issue 44)]
Ref. zhur. : Av. i raket. dvig. (16b)	Referativnyi zhurnal: Aviatsonnyye i raketnyye dvigateli (Oldel'nyi vypusk 34) [Journal of Abstracts: Aircraft and Rocket Engines (Separate Issue 34)]	Ref. zhur. : Trub. transp. (16g)	Referativnyi zhurnal: Truboprovodnyi transport (Oldel'nyi vypusk 45) [Journal of Abstracts: Pipeline Transportation (Separate Issue 45)]
Ref. zhur. : Avt. dor. (16d)	Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]	Ref. zhur. : Turbostr. (16g)	Referativnyi zhurnal: Turboostroenie (Oldel'nyi vypusk 49) [Journal of Abstracts: Turbine Manufacture (Separate Issue 49)]
Ref. zhur. : Avi. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automotive and City Transportation]		
Ref. zhur. : Avtom. i telem. i vych. tekhn. (16e)	Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naya tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]		
Ref. zhur. : Biol. (13c)	Referativnyi zhurnal: Biologiya [Journal of Abstracts: Biology]		
Ref. zhur. : Biol. khim. (13c)	Referativnyi zhurnal: Biologicheskaya khimiia (Oldel'nyi vypusk 30f) [Journal of Abstracts: Biochemistry (Separate Issue 30f)]		
Ref. zhur. : Dvig. vnutr. sgor. (16g)	Referativnyi zhurnal: Dvigateli vnutrennego sgoraniia (Oldel'nyi vypusk 39) [Journal of Abstracts: Internal-Combustion Engines (Separate Issue 39)]		
Ref. zhur. : Elek. i ee prim. (16e)	Referativnyi zhurnal: Elektronika i ee primeneniye [Journal of Abstracts: Electronics and its applications]		
Ref. zhur. : Elektrotekh. i energ. (16e)	Referativnyi zhurnal: Elektrotekhnika i energetika [Journal of Abstracts: Electrical Engineering and Electric Power]		
Ref. zhur. : Farm. Toks. (14f)	Referativnyi zhurnal: Farmakologiya, Toksikologiya (Oldel'nyi vypusk 54) [Journal of Abstracts: Pharmacology, Toxicology (Separate Issue 54)]		
Ref. zhur. : Fiz. (13f)	Referativnyi zhurnal: Fizika [Journal of Abstracts: Physics]		

Ref. zhur.: Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]	Sov. zdrav. (14a)	Sovetskoe zdravookhraneniye [Soviet Health Service]
Ref. zhur.: Vop. tekhn. prog. i org. proizv. v mashinostro. (16g)	Referativnyi zhurnal: Voprosy tekhnicheskogo progressa i organizatsii proizvodstva v mashinostroenii (Otdel'nyi vypusk 35) [Journal of Abstracts: Problems of Technological Progress and the Organization of Production in the Machinery Industry (Separate Issue 35)]	Sov. Mong. (1b)	Sovremennaya Mongoliya [Contemporary Mongolia]
Ref. zhur.: Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air Transportation]	Spir. prom. (16c)	Spirovalnaya promyshlennost' [Distilling Industry]
Ref. zhur.: Vzaimodeist. raz. vid. transp. i kont. perev. (16g)	Referativnyi zhurnal: Vzaimodeistvie raznykh vidov transporta i konteynernye perevozki (Otdel'nyi vypusk 31) [Journal of Abstracts: Container Shipments and the Interaction of Various Types of Transportation (Separate Issue 31)]	Sred. spets. obr. (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]
Ref. zhur.: Zhiv. Vet. (15b)	Referativnyi zhurnal: Zhivotnovodstvo, Veterinariya (Otdel'nyi vypusk 58) [Journal of Abstracts: Animal Husbandry, Veterinary Medicine (Separate Issue 58)]	Stal' (16h)	Stal' [Steel]
Ryb. khoz. (15b)	Rybnoe khoziaistvo [Fisheries]	Standartizatsiya (16a)	Standartizatsiya [Standardization]
Sakh. prom. (16c)	Sakharная промышленность [Sugar Industry]	Stat. bol. dial. SSSR (11a)	Stat'i i materialy po bolgarskoi dialektologii SSSR [Articles and Materials on Bulgarian Dialects of the U.S.S.R.]
Sbor. nauch. - prak. rab. Poliklin. im. F. E. Dzerzh. (14a)	Moscow. Poliklinika imeni F. E. Dzerzhinskogo. Sbornik nauchno-prakticheskikh rabot [F. E. Dzerzhinskii Polyclinic. Scientific and Practical Papers]	Steklo i ker. (16c)	Steklo i keramika [Glass and Ceramics]
Sbor. nauch. rab. AKKH (16d)	Akademiya kommunalnogo khoziaistva. Sbornik nauchnykh rabot [Academy of Communal Economy. Papers]	Stroi. i arkh. Len. (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]
Sbor. nauch. trud. Kriv. fil. IGD AN URSS (16h)	Akademiya nauk URSS. Kiev. Institut hirnnykh sprav. Krivorozhskii filial. Sbornik nauchnykh trudov [Academy of Sciences of the Ukrainian S.S.R. Institute of Mining. Krivoy Rog Branch. Papers]	Stroi. i arkh. Mosk. (10b)	Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]
Sbor. trud. Azerb. nauch. - issl. inst. kur. i fiz. metod. lech. (14e)	Azerbaidzhanskii nauchno-issledovatel'skii institut kurortologii i fizicheskikh metodov lecheniya. Sbornik trudov [Azerbaijan Scientific Research Institute of Health Resort and Physical Therapy. Papers]	Stroi. mat. (16d)	Stroitel'nye materialy [Building Materials]
Sbor. trud. MISI (16d)	Moscow. Inzhenerno-stroitel'nyi institut. Sbornik trudov [Civil Engineering Institute. Papers]	Stroi. truboprov. (16d)	Stroitel'stvo truboprovodov [Pipeline Construction]
Sbor. trud. TSNILKil (16c)	Khimki. Tsentral'nyi nauchno-issledovatel'skii i proektnyi institut lesokhimicheskoi promyshlennosti. Sbornik trudov [Central Scientific Research and Design Institute of the Wood Chemistry Industry. Papers]	Stomatologiya (14h)	Stomatologiya [Stomatology]
Sel'. khoz. (15a)	Sel'skoe khoziaistvo; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [Agriculture; Classified Index of Articles in Foreign Periodicals]	Sudostroenie (17b)	Sudostroenie [Shipbuilding]
Sel'. mekh. (15a)	Sel'skii mekhanizator [The Rural Mechanic]	Svetotekhnika (16e)	Svetotekhnika [Lighting Engineering]
Ser. geol. Otd. nauch. - tekhn. inform. VIMS (12c)	Moscow. Vsesoluznyi nauchno-issledovatel'skii institut mineral'nogo syr'ya. Otdel nauchno-tekhnicheskoi informatsii. Seriya geologicheskaya [All-Union Scientific Research Institute of Mineral Raw Materials. Department of Scientific and Technical Information. Geological Series]	Svod. biul. nov. inostr. knig. Ser. B (2a)	Svodnyi biulleten' novykh inostrannykh knig, postupivshikh v biblioteki SSSR. Seriya B: Obshchestvennye nauki [Union List of New Foreign Books Received by the Libraries of the U.S.S.R. Series B: Social Sciences]
Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Production]	Teatr (9c)	Teatr [The Theater]
Shkola-int. (8a)	Shkola-internat [Boarding School]	Tekhn. kino i telev. (9a)	Tekhnika kino i televideniya [Motion-Picture and Television Engineering]
Shvein. prom. (16f)	Shveinaya promyshlennost' [Clothing Industry]	Tekhn. v sel'sk. khoz. (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]
Sil'. bud. (16d)	Sil'skoe budivnytstvo [Rural Construction]	Tekst. prom. (16f)	Tekstil'naya promyshlennost' [Textile Industry]
Smena (5e)	Smena [The Younger Generation]	Teor. i prak. fiz. kul't. (8b)	Teoriya i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]
Soob. Gos. Erm. (10a)	Leningrad. Ermitazh. Soobshcheniya [Hermitage. Reports]	Teploenergetika (16g)	Teploenergetika [Heat Engineering]
Sots. obesp. (5e)	Sotsial'noe obespecheniye [Social Security]	Torf. prom. (16h)	Torfianaya promyshlennost' [Peat Industry]
Sots. trud. (5d)	Sotsialisticheskii trud [Socialist Labor]	Transp. stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]
Sots. zakon. (7)	Sotsialisticheskaya zakonnost' [Socialist Legality]	Trudy AANII (12b)	Leningrad. Arkhticheskii i antarkhticheskii nauchno-issledovatel'skii institut. Trudy [Arctic and Antarctic Scientific Research Institute. Transactions]
Sov. arkheol. (4b)	Sovetskaya arkheologiya [Soviet Archaeology]	Trudy AN Tadzh. SSR (1a)	Akademiya nauk Tadzhikskoi SSR, Dushanbe. Trudy [Academy of Sciences of the Tajik S.S.R. Transactions]
Sov. bibl. (2a)	Sovetskaya bibliografiya [Soviet Bibliography]	Trudy Azcherno (13c)	Kerch. Azovo-Chernomorskii nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy [Azov-Black Sea Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]
Sov. deput. trud. (6)	Sovety deputatov trudiaschchikhsia [Soviets of Workers' Deputies]	Trudy BKNII (1a)	Ulan-Ude. Buriatskii kompleknyi nauchno-issledovatel'skii institut. Trudy [Buryat Scientific Research Institute. Transactions]
Sov. foto (10a)	Sovetskoe foto [The Soviet Photograph]	Trudy GIKM (4a)	Kishinov. Gosudarstvennyi istoriko-kraevedcheskii muzei. Trudy [State Regional and Local History Museum. Transactions]
Sov. geol. (12c)	Sovetskaya geologiya [Soviet Geology]	Trudy GIN (12c)	Akademiya nauk SSSR. Geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Geological Institute. Transactions]
Sov. iust. (7)	Sovetskaya iustitsiya [Soviet Justice]	Trudy GPI (16a)	Gorkiy. Politekhnikheskii institut. Trudy [Polytechnic Institute. Transactions]
Sov. knizh. torg. (2c)	Sovetskaya knizhnaya torgovlya [Soviet Book Trade]	Trudy GPI [Gruz.] (16a)	Tiflis. Gruzinskii politekhnikheskii institut. Trudy [Georgian Polytechnic Institute. Transactions]
Sov. med. (14a)	Sovetskaya meditsina [Soviet Medicine]	Trudy Giprotsement (16d)	Leningrad. Gosudarstvennyi vsesoluznyi institut po proektirovaniyu i nauchno-issledovatel'skim rabotam tsementnoi promyshlennosti. Trudy [State All-Union Institute for Planning and Scientific Research in the Cement Industry. Transactions]
Sov. muz. (9b)	Sovetskaya muzyka [Soviet Music]	Trudy IGI (16h)	Akademiya nauk SSSR. Institut goruchikh iskopaemykh. Trudy [Academy of Sciences of the U.S.S.R. Institute of Mineral Fuels. Transactions]
Sov. pech. (11b)	Sovetskaya pechat' [Soviet Press]	Trudy Inst. biol. Mold. fil. AN SSSR (13c)	Akademiya nauk SSSR. Moldavskii filial. Institut biologii. Trudy [Academy of Sciences of the U.S.S.R. Moldavian Branch. Institute of Biology. Transactions]
Sov. pedagog. (8a)	Sovetskaya pedagogika [Soviet Pedagogy]	Trudy Inst. bot. AN Kazakh. SSR (13c)	Akademiya nauk Kazakhskoi SSR, Alma-Ata. Institut botaniki. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Botany. Transactions]
Sov. potrebn. koop. (5b)	Sovetskaya potrebitel'skaya kooperatsiya [Soviet Consumer Cooperation]	Trudy Inst. energ. AN Gruz. SSR (16g)	Akademiya nauk Gruzinskoi SSR, Tiflis. Institut energetiki. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Power Engineering. Transactions]
Sov. profsoyuzy (5d)	Sovetskie profsoyuzy [Soviet Trade Unions]	Trudy Inst. etn. (12a)	Akademiya nauk SSSR. Institut etnografii. Trudy [Academy of Sciences of the U.S.S.R. Institute of Ethnography. Transactions]
Sov. radio i tel. (9a)	Sovetskoe radio i televideniye [Soviet Radio and Television]	Trudy Inst. fiz. AN Azerb. SSR (13f)	Akademiya nauk Azerbaidzhanskoi SSR, Baku. Institut fiziki. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Physics. Transactions]
Sov. torg. (5a)	Sovetskaya torgovlya [Soviet Commerce]	Trudy Inst. khim. AN Gruz. SSR (13d)	Akademiya nauk Gruzinskoi SSR, Tiflis. Institut khimii. Trudy [Academy of Sciences of the Georgian S.S.R. Institute of Chemistry. Transactions]
Sov. voen. (17a)	Sovetskii voen [Soviet Soldier]		

Trudy Inst. Kom. stand., mer i izm. prib. (16a)	Russia (1923- U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. Trudy Institutov Komiteia [Committee of Standards, Measures, and Measuring Instruments. Transactions of the Institutes of the Committee]	[Trudy] VNIMI (16h)	Leninograd. Vsesoluznyi nauchno-issledovatel'skii mark-shederskii Institut. (Trudy) [All-Union Mine Surveying Scientific Research Institute. Transactions]
Trudy Inst. kraev. pat. AN Kazakh. SSR (14e)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Institut kraevoi patologii. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Geographical Pathology. Transactions]	Trudy VSGI SO AN SSSR (12c)	Akademii nauk SSSR, Sibirskoe otdelenie. Vostochno-Sibirskii geologicheskii Institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department, East Siberian Geological Institute. Transactions]
Trudy Inst. met. (16h)	Akademii nauk SSSR. Institut metallurgii. Trudy [Academy of Sciences of the U.S.S.R. Institute of Metallurgy. Transactions]	TSement (16d)	TSement [Cement]
Trudy Inst. morf. zhiv. (13c)	Akademii nauk SSSR. Institut morfologii zhivotnykh. Trudy [Academy of Sciences of the U.S.S.R. Institute of Animal Morphology. Transactions]	TSvetnye metally (16h)	TSvetnye metally [Nonferrous Metals]
Trudy Inst. nefti AN Kazakh. SSR (16h)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Institut nefli. Trudy [Academy of Sciences of the Kazakh S.S.R. Petroleum Institute. Transactions]	Uch. zap. IMO (6)	Moscow. Institut mezhdunarodnykh otnoshenii. Uchenye zapiski [Institute of International Relations. Studies]
Trudy KIPP (16c)	Krasnodar. Institut pishchevoi promyshlennosti. Trudy [Institute of the Food Industry. Transactions]	Uch. zap. Irk. gos. ped. inst. inostr. iaz. (11a)	Irkutsk. Gosudarstvennyi pedagogicheskii Institut inostrannykh iazykov. Uchenye zapiski [State Pedagogical Institute of Foreign Languages. Studies]
Trudy Kazan. fil. fiz., -mat. i tekhn. nauk (13f)	Akademii nauk SSSR. Kazanskii filial. Trudy, Seriya fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the U.S.S.R. Kazan Branch. Transactions. Series in the Physicomathematical and Technological Sciences]	Uch. zap. kaf. diat. i ist. mat. (3a)	Uchenye zapiski kafedri dialekticheskogo i istoricheskogo materializma Vysshei partinnoi shkoly pri TsK KPSS i mestnykh vysshih partiinykh shkoly [Studies by the Departments of Dialectical and Historical Materialism of the Higher Party School, Attached to the Central Committee of the Communist Party of the Soviet Union, and Local Higher Party Schools]
Trudy Kish. gos. med. inst. (14a)	Kishinev. Gosudarstvennyi meditsinskii Institut. Trudy [State Medical Institute. Transactions]	Uch. zap. Kaf. obshchestv. nauk vuz. g. Len. ; Polit. ekon. (5b)	Uchenye zapiski kafedri obshchestvennykh nauk vuzov g. Leningrada; Politicheskaya ekonomiya [Studies by the Departments of Social Sciences of Leningrad Institutions of Higher Education; Economics]
Trudy Kras. SKHI (15a)	Krasnoyarsk. Sel'skokhoziaistvennyi Institut. Trudy [Agricultural Institute. Transactions]	Uch. zap. kaf. zap. inostr. iaz. IMO (11a)	Moscow. Institut mezhdunarodnykh otnoshenii. Zapadnyi fakul'tet. Uchenye zapiski kafedri inostrannykh iazykov [Institute of International Relations. Western Faculty. Studies of Department of Foreign Languages]
Trudy LGBI (2b)	Leningrad. Gosudarstvennyi biblioteknyi Institut. Trudy [State Library Institute. Transactions]	Uch. zap. LGU (1a)	Leningrad. Universitet. Uchenye zapiski [University. Studies]
Trudy Lab. geol. dokem. (12c)	Akademii nauk SSSR. Laboratoriya geologii dokembrii. Trudy [Academy of Sciences of the U.S.S.R. Laboratory of the Geology of the Pre-Cambrian. Transactions]	Uch. zap. Ped. inst. Gerts. (1a)	Leningrad. Gosudarstvennyi pedagogicheskii Institut imeni A. I. Gertsena. Uchenye zapiski [A. I. Hertz State Pedagogical Institute. Studies]
Trudy Lab. lesoved. (16c)	Akademii nauk SSSR. Laboratoriya lesovedeniia. Trudy [Academy of Sciences of the U.S.S.R. Laboratory of Forestry. Transactions]	Uchet i fin. v kol-khoz. i sovkhoz. (5b)	Uchet i finansy v kolkhovakh i sovkhozakh [Accounting and Finance on Collective and State Farms]
Trudy MIIT (16g)	Moscow. Moskovskii Institut inzhenerov zheleznodorozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation. Transactions]	Ugol' (16h)	Ugol' [Coal]
Trudy MINKHIGP (16h)	Moscow. Institut neflokhimicheskoi i gazovoi promyshlennosti. Trudy [Institute of the Petrochemical and Gas Industry. Transactions]	Ugol' Ukr. (16h)	Ugol' Ukrainy [Coal of the Ukraine]
Trudy MNIIPP (16f)	Moldavskii nauchno-issledovatel'skii Institut pishchevoi promyshlennosti. Trudy [Moldavian Scientific Research Institute of the Food Industry. Transactions]	Ukr. biokhim. zhur. (13c)	Ukrains'kii biokhimicheskii zhurnal [Ukrainian Biochemical Journal]
Trudy MONIKI (14a)	Moscow. Oblastnoi nauchno-issledovatel'skii klinicheskii Institut. Trudy [Province Scientific Research Clinical Institute. Transactions]	Ukr. ist. zhur. (4a)	Ukrains'kii istoricheskii zhurnal [Ukrainian Historical Journal]
Trudy Mat. inst. (13e)	Akademii nauk SSSR. Matematicheskii Institut. Trudy [Academy of Sciences of the U.S.S.R. Mathematical Institute. Transactions]	Ukr. khim. zhur. (13d)	Ukrainskii khimicheskii zhurnal [Ukrainian Chemical Journal]
Trudy NIIGA (12c)	Leningrad. Nauchno-issledovatel'skii Institut geologii Arktiki. Trudy [Scientific Research Institute of Arctic Geology. Transactions]	Ukraina (1b)	Ukraina [The Ukraine]
Trudy NIIPoligraf-mash (2c)	Moscow. Nauchno-issledovatel'skii Institut poligraficheskogo mashinostroeniia. Trudy [Scientific Research Institute of Printing Machinery Manufacture. Transactions]	Usp. khim. (13d)	Uspekhi khimii [Progress in Chemistry]
Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR (13c)	Akademii nauk Tadzhikskoi SSR, Dushanbe. Otdel fiziologii i biofiziki rastenii. Trudy [Academy of Sciences of the Tajik S.S.R. Department of Plant Physiology and Biophysics. Transactions]	Uzb. geol. zhur. (12c)	Uzbekskii geologicheskii zhurnal [Uzbek Geological Journal]
Trudy SNIIGGIMS (12c)	Sibirskii nauchno-issledovatel'skii Institut geologii, geofiziki i mineral'nogo syr'ia. Trudy [Siberian Scientific Research Institute of Geology, Geophysics, and Mineral Resources. Transactions]	Uzb. khim. zhur. (13d)	Uzbekskii khimicheskii zhurnal [Uzbek Chemical Journal]
Trudy Sib. tekhn. inst. (16a)	Tomsk. Sibirskii tekhnologicheskii Institut. Trudy [Siberian Technological Institute. Transactions]	Uzbekiston (1b)	Uzbekiston [Uzbekistan]
Trudy TSAO (13f)	TSentral'nala aerologicheskaya observatoriya. Trudy [Central Aerological Observatory. Transactions]	Vpom. radiolub. (16e)	V pomoshch' radiolubitelu [A Guide for Radio Amateurs]
Trudy TSIP (13f)	Moscow. TSentral'nyi Institut prognozov. Trudy [Central Weather Institute. Transactions]	Ved. Verkh. Sov. RSFSR (6)	Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Trudy TSNI MPS (16g)	Moscow. Vsesoluznyi nauchno-issledovatel'skii Institut zheleznodorozhnogo transporta. Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]	Ved. Verkh. Sov. SSSR (6)	Russia (1923- U.S.S.R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Trudy TSNIIME (15c)	Khimki. TSentral'nyi nauchno-issledovatel'skii Institut mekhanizatsii i energetiki lesnoi promyshlennosti. Trudy [Central Scientific Research Institute of Mechanization and Use of Power in Lumbering. Transactions]	Vest. AMN SSSR (14a)	Akademii meditsinskikh nauk SSSR, Moscow. Vestnik [Academy of Medical Sciences of the U.S.S.R. Journal]
Trudy Ural. lesotekh. inst. (15c)	Sverdlovsk. Ural'skii lesotekhnicheskii Institut. Trudy [Ural Institute of Lumbering Technology. Transactions]	Vest. AN SSSR (1a)	Akademii nauk SSSR. Vestnik [Academy of Sciences of the U.S.S.R. Journal]
Trudy VNIGRI (12c)	Leningrad. Vsesoluznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi Institut. Trudy [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions]	Vest. LGU (1a)	Leningrad. Universitat. Vestnik [University. Review]
Trudy VNIGRI. Paleont. sbor. (12c)	Leningrad. Vsesoluznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi Institut. Trudy, Paleontologicheskii sbornik [All-Union Petroleum (Scientific Research) Geological Prospecting Institute. Transactions, Paleontological Papers]	Vest. mashinostr. (16g)	Vestnik mashinostroeniia [Machine-Building Review]
		Vest. TSNI MPS (16g)	Moscow. Vsesoluznyi nauchno-issledovatel'skii Institut zheleznodorozhnogo transporta. Vestnik [All-Union Scientific Research Institute of Railroad Transportation. Journal]
		Vest. svyazi (16e)	Vestnik svyazi [Communications Review]
		Vest. vys. shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]
		Vest. AN BSSR. Ser. fiz. -tekh. nav. (13f)	Akademii nauk BSSR, Minsk. Vest. Seriya fizika-tekhnicheskikh nauk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Physical and Technological Sciences]
		Vest. AN BSSR. Ser. hram. nav. (1a)	Akademii nauk BSSR, Minsk. Seriya hramatskikh nauk [Academy of Sciences of the White Russian S.S.R. Bulletin. Series in the Social Sciences]
		Visnyk Kyiv. un. Ser. biol. (13c)	Kiev. Universitet. Visnyk. Seriya biologii [University. Review. Series in Biology]
		Visti Inst. hidroli. i hidr. AN URSS (16d)	Akademii nauk URSS, Kiev. Instytut hidrologii i hidrotekhniki. Visti [Academy of Sciences of the Ukrainian S.S.R. Institute of Hydrology and Hydraulic Engineering. Bulletin]
		Vnesh. torg. (5a)	Vneshniaia torgovlia [Foreign Trade]
		Vod. i san. tekhn. (16d)	Vodosnabzhenie i sanitarnaya tekhnika [Water Supply and Sanitary Engineering]
		Vop. ekon. (5b)	Voprosy ekonomiki [Problems of Economics]

Vop. filos. (3a)	Voprosy filosofii [Problems of Philosophy]	Zarub. radioelek. (16e)	Zarubezhnaya radioelektronika [Radio Electronics Abroad]
Vop. gidrogeol. i inzh. geol. (12c)	Voprosy gidrogeologii i inzhenernoi geologii [Problems of Hydrogeology and Engineering Geology]	Zashch. rast. ot vred. i bol. (15d)	Zashchita rastenii ot vreditel'ei i boleznei [Protecting Plants Against Diseases and Pests]
Vop. iaz. i lit. (11a)	Voprosy iazyka i literatury [Problems of Language and Literature]	Zdrav. Ros. Feder. (14a)	Zdravookhraneniye Rossiiskoi Federatsii [Health Service of the Russian Federation]
Vop. ist. (4a)	Voprosy istorii [Problems of History]	Zdrav. Turk. (14a)	Zdravookhraneniye Turkmenistana [Health Service of Turkmenistan]
Vop. kraev. paraz. Turk. SSR (14a)	Voprosy kraevoi parazitologii Turkmenskoi SSR [Problems in the Endemic Parasitology of the Turkmen S. S. R.]	Zemledelie (15d)	Zemledelie [Agriculture]
Vop. kur., fizioter. i lech. fiz. kul't. (14e)	Voprosy kurortologii, fizioterapii i lecheniia fizicheskoi kul'tury [Problems of Resort Therapy, Physical Therapy, and Therapeutic Physical Culture]	Zhel. dor. transp. (16g)	Zheleznodorozhnyi transport [Railroad Transportation]
Vop. lit. (11b)	Voprosy literatury [Problems of Literature]	Zhen. mira (5e)	Zhenshchiny mira [Women of the Whole World]
Vop. psikhol. (3a)	Voprosy psikhologii [Problems of Psychology]	Zhur. anal. khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
Vop. raket. tekhn. (16b)	Voprosy raketnoi tekhniki; sbornik perevodov i obzorov inostrannoi periodicheskoi literatury [Problems of Rocket Engineering; Translations and Surveys of Foreign Periodical Literature]	Zhur. eksp. i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
Vop. revm. (14a)	Voprosy revmatizma [Problems of Rheumatism]	Zhur. Mosk. Patr. (3b)	Orthodox Eastern Church, Russian. Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]
Vop. virus. (13c)	Voprosy virusologii [Problems of Virology]	Zhur. neorg. khim. (13d)	Zhurnal neorganicheskoi khimii [Journal of Inorganic Chemistry]
Vrach. delo (14a)	Vrachebnoe delo [Medical Practice]	Zhur. V KHO (13d)	Vsesoiuznoe khimicheskoe obshchestvo imeni D.I. Mendeleeva. Zhurnal [D.I. Mendeleev All-Union Chemical Society. Journal]
Vsem. prof. dvizh. (5d)	Vsemirnnoe profsoiuznoe dvizheniye [World Trade-Union Movement]	Zhur. vych. mat. i mat. fiz. (13e)	Zhurnal vychislitel'noi matematiki i matematicheskoi fiziki [Journal of Computer Mathematics and Mathematical Physics]
Vysokom. soed. (13d)	Vysokomolekulyarnye soedineniia [Macromolecular Compounds]	Znamia (11b)	Znamia [The Banner]
Za rul. (16g)	Za rulem [At the Wheel]	Znan. ta pratsia (13a)	Znaniia ta pratsia [Knowledge and Work]
Za bezop. dvizh. (16g)	Za bezopasnost' dvizheniia [For Traffic Safety]		
Zap. Vses. min. ob-va (12c)	Vsesoiuznoe mineralogicheskoe obshchestvo, Zapiski [All-Union Mineralogical Society, Annals]		

SUBJECT INDEX TO MONOGRAPHS AND PERIODICALS

ACTH

Aggravation of thyrotoxicosis phenomena in the treatment with hormonal preparations [with summary in English]. D.D. Drozdov. Vrach. delo no. 3:26-29 Mr '63.

Use of ACTH and cortisone in peritonitis. I.N. Grishin. Klin. khir. no. 5:65-67 My '62.

ABASTUMANI-IONOSPHERIC RESEARCH

Ozonometric observations at Abastumani [with summary in English]. Sh. M. Chkhaidze. Biul. Abast. astrofiz. obser. no. 29:110-120 '62.

ABATSKIY DISTRICT—EMBEZZLEMENT

Results of the lack of control. M. Arshavskii. Fin. SSSR 37 no. 4:77 Ap '63.

ABBREVIATIONS, GERMAN

Abbreviation or symbol? N.V. Glach. Uch. zap. LGU no. 283:48-52 '61.

ABDOMEN—DISEASES

Characteristics of the clinical aspect and treatment of actinomycosis of the abdominal cavity and the abdominal wall [with summary in English]. M.V. Tarkhanova. Vrach. delo no. 3:89-93 Mr '63.

ABDOMEN—WOUNDS AND INJURIES

Closed traumas of the organs of the abdominal cavity. A.V. Il'fashenko, V.P. Rubetskaia. Vrach. delo no. 3:142-143 Mr '63.

ABEL, NIELS HENRIK, 1802-1829

Ore, Cystein. [Niels Henrik Abel, mathematician extraordinary. Translated from the English] Zamechaniya matematik Nilsa Genrikh Abela. Pod red. A.M. Iaglom. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1961. 341 p. facsim. (RFB)

ABILITY—TESTING

Individual abilities to fulfill literary assignments in connection with individual differences in the interrelationship between signal systems [with summary in English]. G.V. Bystrava. Vop. psikh. 9 no. 1:41-50 Ja-F '63. Use of the information theory in studying human abilities [with summary in English]. S.I. Shapiro, L.I. Uman'skii. Vop. psikh. 9 no. 2:75-80 Mr-Ap '63.

ABNORMALITIES (ANIMALS)

A case of two-headedness. I.S. Kadoshnikov. Trudy Kras. SKh 3 no. 1:149-153 '59.

ABNORMALITIES (PLANTS)

Occurrence of a monoclinal inflorescence in an introduced Japanese white birch. V.I. Nekrasov, L.S. Var-tazarova, N.A. Borodina. Bot. zhur. 48 no. 3:436-440 Mr '63.

ABORTION—COMPLICATIONS AND SEQUELAE

Treatment of infected abortions. F.M. Sabirov. Kaz. med. zhur. no. 5:35-36 S-O '62.

ABRASION

Cavitation and cavitation-abrasion wear as a current of water containing abrasive particles flows around surface roughness. S.P. Kozyrev. Gidr. stroi. 33 no. 2:43-45 F '63. Using the radiolabel method to study the abrasive character of rocks. M.I. Smorodinov. Sbor. trud. MSI no. 39:468-487 '61.

ABSORPTION

Method of separating an equilibrium solution from a powder prior to absorption measurements. V.G. Kasatkin, M.A. Eigeles. Min. syr'ia no. 5:122-137 '62.

ABSORPTION (PHYSIOLOGY)

Change in the permeability of capillary vessels and the absorption of the Congo red from the blood channel by the cells of reticuloendothelium following intravenous injection of thrombin. V.E. Pastorova. Nauch. dokl. vys. shkoly. biol. nauki no. 2:105-108 '63.

ABSORPTION OF LIGHT

Application of a white disk for the determination of the coefficients of absorption and scattering of light in turbid media. V.A. Timofeeva. Izv. AN SSSR. Ser. geofiz. no. 4:621-625 Ap '63.

ABSORPTION OF SOUND

Molecular kinetic theory of the absorption of sound in dense gases and liquids. A.A. Adkhamov. Akust. zhur. 9 no. 2:153-157 '63. Resonance absorption of ultrasound in NaCl crystals. E.D. Pigulevskii, A.M. Sazonov. Akust. zhur. 9 no. 2:245 '63. Sound dispersion near the points of phase transition of the second kind. V.M. Kravtsov. Akust. zhur. 9 no. 2:239-241 '63.

ABSORPTION SPECTRA

Extending the applicability of the linear absorption method. N.G. Preobrazhenskii. Opt. i spektr. 14 no. 3:342-350 Mr '63. Spectral distribution of the absorption and photomagnetic effect in solid solutions of Cd_{1-x}Te. B.T. Kolesnits, A.A. Mal'kova. Fiz. tver. tela 5 no. 4:1219-1220 Ap '63.

ABSTRACT ART see Art, Abstract

ACADEMIC DISSERTATIONS see Dissertations, Academic

ACADEMY OF PEDAGOGICAL SCIENCES OF THE R.S.F.S.R.

Fiftieth anniversary of the Institute of Psychology of the Academy of Pedagogical Sciences of the R.S.F.S.R. K. Gurevich. Sov. pedagog. 27 no. 4:154-156 Ap '63.

ACADEMY OF SCIENCES OF THE LATVIANS S.S.R.

Sessions and conferences of the Academy of Sciences of the Latvian S.S.R. in 1962 [in Latvian]. J. Magons. Izv. AN Latv. SSR no. 2:136-138 '63.

ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R.

Work of the Seminar of Mechanics at the Department of Technology of the Academy of Sciences of the Ukrainian S.S.R. in the second half of 1962. A.T. Ulitko. Prykl. mekh. 9 no. 3:344-346 '63.

ACADEMY OF SCIENCES OF THE U.S.S.R.

Successful results and great prospects; annual General Assembly of the Academy. Priroda 52 no. 3:5-8 '63.

ACADEMY OF SCIENCES OF THE UZBEK S.S.R.

Keep pace with national economic development. M. Khamudhanov. Nar. khoz. Uzb. 4 no. 1:54-58 Ja '63. A theoretical conference of the scholars of the Academy of Sciences of the Uzbek S.S.R. on present-day problems of Soviet scholarship. B. Knopov. Obshchestv. nauki v Uz. 7 no. 3:53 '63.

ACCELERATION—PHYSIOLOGICAL EFFECT

Effect of prolonged transverse acceleration on the human organism [with summary in English]. A.R. Kotov'skii and others. Probl. kosm. biol. 2:238-246 '62. Effect of prolonged transverse overloads of different magnitude on the bioelectric reactions of the cerebral cortex [with summary in English]. G.V. Izosimov, A.N. Razumeev. Probl. kosm. biol. 2:247-254 '62. Limit of human resistance to transverse acceleration and the physiological reactions of the organism [with summary in English]. A.S. Barer. Probl. kosm. biol. 2:255-272 '62. Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62. Some physiological characteristics observed under the influence of impact acceleration [with summary in English]. S.A. Gorulov. Probl. kosm. biol. 2:226-230 '62.

ACCELERATION (MECHANICS)

Method for the acceleration of microparticles to meteoroid velocities. A.K. Mukhammedzhanov. Isk. spul. Zem. no. 15:53-56 '63.

ACCELEROMETERS

Accelerograph and the practice of using it for registering strong earth movements during earthquakes and blasts. S.V. Puchkov. Biul. Sov. po seizm. no. 14:58-62 '63.

ACCENTORS (BIRDS) see subdivision under Tien Shan

ACCESS TO BOOKS IN LIBRARIES see Open and closed shelves

ACCLIMATIZATION

Characteristics of the course of some pathological processes under various conditions of acclimatization to a high-mountain region. T.G. Pasheev. Sbor. trud. nauch.-issl. inst. kur. i fiz. metod. tech. no. 3:46-51 '59.

ACCOMPLICES

Some problems of the theory of complicity discussed in Soviet studies in the field of criminal law. V.S. Prokhorov. Izv. vys. ucheb. zav. prav. 6 no. 2:124-129 '62.

ACCORDION see subdivision under Zhitomir

ACCOUNTING—PERIODICALS—CONGRESSES

Brief news. Uchet i fin. v kolhoz. i sovkh. 20 no. 3:48 Mr '63.

ACCOUNTING—PROBLEMS, EXERCISES, ETC.

Kotokol'tsov, A.P., and I.L. Bron. [Collection of problems on accounting and auditing in commerce] Sbornik zadach po bukhgalterskomu uchetu i revizii v torgovle. Moskva, Gosorgizdat, 1962. 309 p. Turbeev, A.A. [Collection of exercises in accounting] Sbornik uprazhnenii po bukhgalterskomu uchetu. 3., izd., perer. i dop. Moskva, Gosstatizdat, 1962. 286 p.

ACETALDEHYDE

Some new transformations of ethoxyacetaldehyde. N.V. Kuznetsov, N.A. Keiko, T.D. Burnashova. Izv. AN SSSR. Otd. khim. nauk no. 3:553-554 Mr '63.

ACETAMIDE

Survivability of syntomycin-resistant dysenterial bacteria in fecal masses. E.G. Nabiev. Kaz. med. zhur. no. 5:47-50 S-O '62. Treatment of typhoid fever with various doses of chloromycetin and syntomycin (continuous method). P.I. P'iankov. Sov. med. 28 no. 1:65-69 Ja '63.

ACETATES

Effect of citric acid on the incorporation of acetate-1-C¹⁴ into the liver lipids of rabbits [with summary in English]. M.H. Zhuravskiy. Ukr. biokhim. zhur. 34 no. 5:715-719 '62.

ACETIC ACID

Complex compounds of beryllium with ethylenediaminetetracetic acid. V.V. Starostin, V.K. I. Spitsyn, G.F. Silina. Zhur. neorg. khim. 8 no. 3:660-662 Mr '63. Free radical addition of chloroacetic acid and its methyl ester to α -olefins. G.I. Nikishin, R.I. Mustafayev, A.D. Petrov. Izv. AN SSSR. Otd. khim. nauk no. 2:359-364 F '63. Sewage waters from the plant of synthetic cleaning compounds as source of acetic acid and its homologues. D.I. El'kin, D.B. Maeva. Sbor. trud. TSNILKHI no. 14: 85-94 '61. Thiophene series. Report No. 2: Cyclization of esters of substituted (thienylmercapt)-acetic acids and some transformations of 2-ethylthiophene. I.A. L. Gol'dfarb, V.P. Litvinov. Izv. AN SSSR. Otd. khim. nauk no. 2:352-359 F '63.

ACETOACETIC ACID

Effect of steric factors on keto-cis-trans-enol equilibrium of α -cycloalkylacetoacetic esters. M.I. Kaban'chik, S.T. Ioffe. Izv. AN SSSR. Otd. khim. nauk no. 2: 339-343 F '63.

ACETONE

Solubility of paraffin in an acetone - benzene mixture. A.P. Grishin, A.P. Kodzoeva. Khim. i tekhn. topl. i masel. 8 no. 3:15-18 Mr '63.

ACETYL PHOSPHATE

Formation of acetyl phosphate in liver homogenates of animals [with summary in English]. M.F. Hulyi, T.M. Pachonova, P.D. Dvornikova. Ukr. biokhim. zhur. 34 no. 6:848-852 '62.

ACETYLENE

- Determination of the composition of crude vinyl acetate derived from carbide acetylene. V. A. Balandina and others. *Plast. massy* no. 4:64-65 '63.
- Excitation of atomic spectra in the reaction zone of the acetylene-air flame. V. F. Zhukavich and others. *Opt. i spekt.* 14 no. 3:336-341 Mr '63.
- Radiation-induced polymerization of acetylene derivatives [with summary in English]. I. M. Barkalov and others. *Vysokom. soed.* 5 no. 3:373-377 Mr '63.
- Reaction of fluoroacetylene with mercury salts. K. M. Smirnov, V. A. Ginsburg, A. I. A. Kubovich. *Zhur.* VKHO 8 no. 2:231-232 '63.

ACETYLENE COMPOUNDS

- Unsaturated acids and macrocyclic lactones. Report No. 8: Synthesis of acetylenic keto acids. L. D. Bergel'son, A. N. Grigorian, L. A. Pligina. *Izv. AN SSSR, Otd. khim. nauk* no. 3:509-516 Mr '63.

ACETYLENE LINKAGE see Triple bonds

ACHAIR—WOMEN—EMPLOYMENT

- Follow-up of a letter. *Sov. trud* 8 no. 4:127 Ap '63.

ACIDS

- Hydration and solvation of acids and salts during extraction. I. U. A. Zolotov. *Usp. khim.* 32 no. 2:220-238 F '63.

ACIDS—PHYSIOLOGICAL EFFECT

- Changes of microflora in trophic ulcers under the influence of acid solutions. T. A. Konopikhina. *Sov. med.* 26 no. 1:56-60 Ja '63.

ACIDS, FATTY

- Application of gas-liquid chromatography for the analysis of mixtures of esters of some aliphatic dibasic and cyclopentanecarboxylic acids. B. A. Rudenko, V. F. Kucherov. *Izv. AN SSSR, Otd. khim. nauk* no. 2:220-227 F '63.

- Carbochain polymers and copolymers. Report No. 51: Graft copolymers from aliphatic ω -hydroxycarboxylic acids and a styrene copolymer with N-(ω -carboxy-n-hexyl) methacrylamide. G. T. Gurgenzidze, G. S. Kolesnikov, Li Fyn-in [Li Feng-ying]. *Izv. AN SSSR, Otd. khim. nauk* no. 2:355-368 F '63.

- Chromatographic analysis of volatile fatty acids in the rumen contents of ruminants [with summary in English]. M. I. Korobko, V. I. Uli'ko, V. M. Chertov. *Ukr. biokhim. zhur.* 34 no. 6:915-923 '62.

- Decomposition of the salts of synthetic fatty acids with carbonic acid. N. K. Man'kovskaya, Z. I. Getmanskaia. *Masl. -zhir. prom.* 20 no. 2:18-21 F '63.

- Effect of the molecular weight of higher fatty acids on the capacity of being reduced to alcohols. V. V. Veselov, F. V. Linchevskii, V. I. Morina. *Khim. i tekhn. topl. i masel.* 8 no. 3:11-15 Mr '63.

- Removal of suspended matter from neutralized wastes in the manufacture of synthetic fatty acids. V. I. Babaev and others. *Masl. -zhir. prom.* 29 no. 3:32-34 Mr '63.

- Shortcomings in the design and construction of units for the production of synthetic fatty acids. S. I. Chistov, G. I. Mel'nikov. *Bezop. truda v prom.* 6 no. 9:14-15 S '62.

- Thermal processing of residual acids after preliminary saponification. A. A. Perechenko and others. *Masl. -zhir. prom.* 20 no. 3:23-25 Mr '63.

- Unsaturated acids and macrocyclic lactones. Report No. 7: Synthesis of unsaturated ω -hydroxy acids. L. D. Bergel'son, E. V. Diatlovskaya, M. M. Shemiakin. *Izv. AN SSSR, Otd. khim. nauk* no. 3:506-509 Mr '63.
- Using organic solvents for the extraction of low molecular weight fatty acids C₁-C₄ from acid sewage wastes from the manufacture of synthetic fatty acids and fatty alcohols. V. P. Sumarokov, Z. M. Volodutskaia. *Sbor. trud. TSNILKHI* no. 14:74-84 '61.

ACIDS, ORGANIC

- Chromatographic determination of the comparative stability of beryllium and cadmium complex compounds with some organic hydroxy acids. V. K. Zolotukhin, O. M. Pasechnik. *Ukr. khim. zhur.* 28 no. 3:335-338 '63.

- "Dissociation constants of organic acids in aqueous solutions" by G. Kortum, W. Vogel, K. Andrussov. *Zhur. anal. khim.* 18 no. 1:143-144 Ja '63.

- Effect of organic acids on the adsorption properties of askangels. S. N. Papunashvili, A. L. Batsanadze, M. E. Shishnashvili. *Trudy Inst. khim. AN Gruz. SSR* 16:117-128 '62.

- Preparation of fluorinated α -nitrocarboxylic acids. I. V. Martynov, I. U. L. Kruglak. *Zhur. VKHO* 8 no. 2:237 '63.

- Structure of complex compounds of uranyl with anions of tartaric, malic, and trihydroxyglutaric acids. V. P. Markov, I. U. A. Kharitonov, Z. M. Alukhanova. *Zhur. neorg. khim.* 8 no. 3:774-775 Mr '63.

- Study of the organic acids of the tea plant. G. A. Soboleva. *Biokhim. chain. prozv.* no. 9:20-26 '62.

- Unsaturated acids and macrocyclic lactones. Report No. 8: Synthesis of acetylenic keto acids. L. D. Bergel'son, A. N. Grigorian, L. A. Pligina. *Izv. AN SSSR, Otd. khim. nauk* no. 3:509-516 Mr '63.

ACOUSTICAL ENGINEERING

- Diffraction of light by nonhomogeneous ultrasonic beams and its use in measuring ultrasonic pressures. A. E. Reznikov. *Trudy inst. Kom. stand., mer. i izm. pribl* no. 61:64-78 '62.

- Metreological equipment for acoustical measurements at the All-Union Scientific Research Institute of Physics and Radio Engineering. A. N. Rivin, L. Z. Pronenko, V. A. Cherpak. *Trudy inst. Kom. stand., mer. i izm. pribl.* no. 61:7-22 '62.

- Study of a new optical method for calibrating ultrasonic hydrophones in the frequency range of 200 kc. to 1 mc. V. L. Vlasov. *Trudy inst. Kom. stand., mer. i izm. pribl.* no. 61:79-96 '62.

ACOUSTICAL ENGINEERING—STANDARDS

- Reproduction and storage of acoustical pressure units. N. A. Kaluzhinova. *Trudy inst. Kom. stand., mer. i izm. pribl.* no. 61:23-28 '62.

ACQUISITIONS (LIBRARIES)

- Acquisition problems of province libraries. V. I. Zolotykh. *Bibliot. SSSR* no. 21:45-69 '62.
- Experience of the Moscow Public Library in acquiring Russian literature. I. G. Kaplun. *Bibliot. SSSR* no. 21:70-90 '62.

- Moscow. Gosudarstvennyi biblioteknyi institut. [Acquisitions and the organization of library collections] Komplektovanie i organizatsiia biblioteknykh fondov; uchebno-metodicheskoe posobie. Moskva, 1962. 38 p.

ACRYLAMIDE

- New effective coagulant. S. A. Berzon, V. A. Meftina, A. V. Shtaveman. *Stek. i ker.* 20 no. 3:27-30 Mr '63.
- Polarographic study of acrylamide. Part 3: Electrochemical initiation of polymerization. E. M. Skobets, G. S. Nestuk. *Ukr. khim. zhur.* 29 no. 3:302-306 '63.

ACRYLIC ACID

- Synthesis of d, l-cysteine and β -sulfoacrylic acids starting from 1,1,1,3-tetrachloropropane. R. Kh. Freidlina, B. V. Kopylova. *Izv. AN SSSR, Otd. khim. nauk* no. 2:298-301 F '63.

ACRYLONITRILE

- Kinetics of the copolymerization of acrylonitrile and vinylacetylene [with summary in English]. I. S. Dorokhina, A. D. Abkin, V. S. Kilmenkov. *Vysokom. soed.* 5 no. 3:385-392 Mr '63.
- Photopolymerization of acrylonitrile in a homogeneous medium [with summary in English]. K. Simionescu, D. Feldman, F. Shandru. *Vysokom. soed.* 5 no. 3:460-466 Mr '63.
- Synthesis of graft copolymers of acrylonitrile and 2-methyl-5-vinylpyridine. I. U. G. Kriazhev, Z. A. Rogovin. *Zhur. VKHO* 8 no. 1:118-119 '63.

ACTING

- Finding oneself. V. Maksimova. *Teatr* 24 no. 4:36-43 Ap '63.

ACTING—STUDY AND TEACHING

- One-hundred fortunate people. B. Evseev. *Teatr* 24 no. 4:141-143 Ap '63.

ACTINIDE COMPOUNDS

- Certain regularities in the complexing of pentavalent actinide elements. A. I. Moskvina, I. Geltsman, A. V. Lapitskii. *Dokl. AN SSSR* 149 no. 3:611-614 Mr '63.

ACTINOMYCES

- Effect of the conditions of space flight on the seeds of higher plants and on actinomycetes [with summary in English]. V. V. Khvostova and others. *Probl. kosm. biol.* 2:153-163 '62.
- Subculturing actinomycetes with a minimum amount of inoculum. L. I. Potekhina. *Nauch. dokl. vys. shkoly: biol. nauki* no. 2:161-165 '63.

ACTINOMYCOSIS

- Characteristics of the clinical aspect and treatment of actinomycosis of the abdominal cavity and the abdominal wall [with summary in English]. M. V. Tarkhanova. *Vrach. delo* no. 3:89-93 Mr '63.

ACTORS

- The sunny night of beauty. Mikhail Romanov. *Mol. komm.* no. 11:56-60 N '62.

ACTORS, UKRAINIAN

- A new approach. Svitlana Burmystrenko. *Ukraina* no. 7:18 Ap '63.
- Versatile and talented actor. Dmytro Musliencko. *Ukraina* no. 7:9-10 Ap '63.

ACTORS, WHITE RUSSIAN

- Two roles. Tamara Bushko. *Rab. i slal.* 39 no. 3:7 Mr '63.

ACUPUNCTURE

- Acupuncture as treatment of neurasthenia patients. S. V. Bazanova. *Vrach. delo* no. 3:146-147 Mr '63.

ACUPUNCTURE—CONGRESSES

- Results of the Fourth Conference on Reflex Acupuncture. I. I. Kardakov. *Vop. kur., fizioter. i lech. fiz. kul't.* 28 no. 1:93-94 '63.

ACUTE CATARRHAL JAUNDICE see Hepatitis, Infectious

ACYLATION

- Perchloric acid and its compounds as catalysts in organic synthesis. Part 8: Catalytic acylation of aromatic compounds by acid chlorides in the presence of perchloric acid. G. N. Dorofeenko, L. V. Dulenko, V. I. Dulenko. *Ukr. khim. zhur.* 29 no. 3:314-317 '63.

ADAMOVKA REGION—STOCK AND STOCKBREEDING

- For close contacts with stock fattening yards, brigades, and sections. I. Shkarenkov. *Aglator* no. 15:31-34 Ag '62.

ADAPTATION (BIOLOGY)

- Adaptive characteristics of the blood in mammals. P. A. Korzhuev. *Trudy Inst. morf. zhiv.* no. 41:5-10 '62.
- Law of biological adaptation. K. S. Trinchner. *Dokl. AN SSSR* 149 no. 3:717-720 Mr '63.

ADENASE

- Adenase and guanase activity in mammalian tissues [with summary in English]. V. P. Korotkoruchko, O. H. Honcharenko. *Ukr. biokhim. zhur.* 34 no. 5:720-728 '62.

ADENOSINETRIPHOSPHATASE

- Adenosinetriphosphatase and some other enzymes of phosphorus metabolism in the homogenates and extracts of fish eggs [with summary in English]. N. M. Abrosimova, R. I. Tatarskaya. *Biokhimia* 23 no. 1:128-136 Ja-F '63.

ADENOSINETRIPHOSPHORIC ACID

- Participation of adenosinetriphosphoric acid in transport reactions of glycosyl groups. A. N. Petrova. *Dokl. AN SSSR* 148 no. 4:949-951 F '63.

- Treatment of alcoholic psychoses by means of adenosinetriphosphoric acid and some characteristics of their pathogenesis. K. V. Mosketi. *Probl. sud. psikh.* no. 12:175-180 '62.

ADENYLIC ACID

- Formation of concavate drops in the synthesis of polyanilic acid by polynucleotide phosphorylase. A. I. Oparin, K. B. Serebrovskaya. *Dokl. AN SSSR* 148 no. 4:943-944 F '63.

ADHESION

- Adhesive strength of epoxide compounds. V. M. Shcherbakov, S. V. Mazur. *Plast. massy* no. 3:42-44 '63.
- Investigating the adhesion of polymer coatings by means of various methods. P. I. Zubov, A. T. Sanzharovskii, M. S. Dyl'kov. *Lakokras. mat. i izh. prin.* no. 2:48-55 '63.

ADHESIVES

- Automation of viscosity control in the production of adhesive resins. Continuous control. I. N. Kogan, I. A. Korneev. *Plast. massy* no. 3:45-54 '63.
- Glue and paste for manual training lessons. N. E. Tsel'in. *Nach. shkoly* 31 no. 2:72-73 F '63.
- Properties of and the possibility of using organoborosilicon polymers as components of heat-resistant adhesives. V. D. Solodovnik and others. *Plast. massy* no. 3:39-42 '63.
- Synthetic glues join parts of structural elements. L. Zil'berman. *Na stroi. Ros.* 4 no. 4:20-21 Ap '63.
- Water-resistant glues. I. Gumina. *Na stroi. Ros.* 4 no. 4:21 Ap '63.

ADHESIVES—THERMAL PROPERTIES

- Thermostable organosilicon adhesives VK-2 and VK-6. Z. G. Ivanova, A. B. Davydov. *Plast. massy* no. 4:37-39 '63.

ADIPOSE TISSUES—NECROSIS

- So-called subcutaneous fat necrosis in newborn infants. S. G. Zviagintseva and others. *Pediatrin* 41 [i.e. 42] no. 2:88-93 F '63.

ADLER—TEA

- Work practices according to a new technology in the Adler Tea Factory in 1960-1961. A. P. Ral'ianov and others. *Biokhim. chain. prozv.* no. 9:96-102 '62.

ADMINISTRATION OF CRIMINAL JUSTICE see

Criminal justice, Administration of

ADMINISTRATION OF JUSTICE see Justice, Administration of

ADMINISTRATIVE ECONOMIC COUNCILS (see also subdivision under Armenia; Ukraine)

- The contacts of economic councils with the executive committees of the province soviets of workers' deputies. I. Pakhomov. *Rad. pravo* no. 2:53-58 Mr-Apr '63.

ADMINISTRATIVE LAW

(see also subdivision under Ukraine)

- Some problems relating to the codification of Soviet administrative law and the law of administrative procedure. I. Halahan. *Rad. pravo* no. 3:99-101 My-Je '62.

- You should act according to the law. M. Katsuk. *Sov. deput. trud.* no. 4:80-83 Ap '63.

ADMINISTRATIVE PROCEDURE

Some problems of administrative procedure. A. E. Lunev. *Izv. vys. ucheb. zav.; prav.* 6 no. 2:43-51 '62.

ADMINISTRATIVE REMEDIES see subdivision under Kakhovka

ADOPTION

Problems of adoption. N. Tsanova. *Rad. pravo* no. 2: 11-113 Mr-Apr '63.

ADORATSKII, VLADIMIR VIKTOROVICH, 1878-1945

"Selected works" by V. V. Adoratskii. Reviewed by L. Novikova, A. Trosheva. *Kommunist* 40 no. 6:121-122 Ap '63.

ADRENAL CORTEX

Adrenal cortex and hydrocortisone metabolism in experimental myocardial infarct [with summary in English]. I. A. Uvatova. *Kardiologia* 2 no. 3:17-21 My-Je '62.

ADRENAL GLANDS

Functional state of adrenal glands, vascular permeability and mucoproteins of the blood in arteriosclerosis [with summary in English]. I. M. Gandzha, B. E. Tartakovsky, N. I. Kovaleva. *Vrach. delo* no. 3:34-37 Mr '63.

Resistance of adrenalectomized and hypophysectomized rats to acute oxygen deficit [with summary in English]. V. B. Malkin, A. F. Iurkov. *Probl. kosm. biol.* 2:393-398 '62.

Role of the adrenal glands in developing interceptive reflexes from the stomach on the ascorbic acid content of the blood and the absorptive capacity of blood proteins. L. I. Mamedova. *Dokl. AN Azerb. SSR* 19 no. 1: 59-62 '63.

ADRENAL GLANDS—TUMORS

Clinical course and pathologic-anatomic picture of sympathoblastomas and ganglioneuromas of the adrenal glands [with summary in English]. E. A. Dumbrovskaya. *Vrach. delo* no. 3:38-44 Mr '63.

ADRENALINE

Study of some processes of catechol amino metabolism in rheumatic fever (Sokol'skii - Bouillaud's disease) [with summary in English]. L. T. Malina and others. *Vop. revm.* 1 no. 3:52-57 Ji-S '61.

ADRENOCORTICAL HORMONES

Physiological interaction between vitamins C and P and the hormones of the adrenal cortex. A. F. Shampai, O. M. Ivanluta. *Vrach. delo* no. 3:29-33 Mr '63.

ADSORPTION

Adsorption of racemic and (+) -isomers of 2-butanol on stereospecific silica gels. E. I. Klubunovskii. *Izv. AN SSSR. Otd. khim. nauk* no. 2:228-234 F '63.

Determination of the activity of silica gels. L. N. Kvirkovskii and others. *Ukr. khim. zhur.* 20 no. 3:284-287 '63.

Determination of the adsorption coefficient during a study of diffusion in metallic oxides. V. I. Izvekov, N. S. Gorbunov. *Izv. AN SSSR. Otd. khim. nauk* no. 3:450-454 Mr '63.

Effect of acid and heat treatment on the adsorption-structural properties of gumbrin. D. N. Barnabashvili. *Trudy Inst. khim. AN Gruz. SSR* 16:99-100 '62.

Effect of organic acids on the adsorption properties of askangels. S. N. Papunashvili, A. L. Batsanadze. M. E. Shishinashvili. *Trudy Inst. khim. AN Gruz. SSR* 16:117-126 '62.

Effect of the adsorption of diphenylamine on the kinetics of the catalytic evolution of hydrogen. G. A. Tedoradze, D. I. Dzhabardze. *Izv. AN SSSR. Otd. khim. nauk* no. 3: 402-407 Mr '63.

Investigating the causes of dust adsorption by paint coatings. A. D. Zimon, Lakokras. mat. i kh. prim. no. 2:40-47 '63.

Oxidation of cellulose by nitrogen dioxide. Part 1: Study of cellulose reactions by means of the adsorption balance [with summary in English]. I. Rusznak, D. Lovai, M. Toth. *Vysokom. soed.* 5 no. 3:449-452 Mr '63.

Problem of adsorption regularities in metallic melts. V. B. Lazarev. *Izv. AN SSSR. Otd. khim. nauk* no. 3: 555-557 Mr '63.

Study of the adsorption on coal from aqueous solutions of mixtures of surface-active substances. M. F. IArnolenska, M. I. Iatseuskina. *Vest. AN BSSR. Ser. fiz.-tekh. nav.* no. 1:59-64 '63.

ADULT EDUCATION

(see also subdivision under Kazakhstan; Tselinograd Province)

[Education of adults in the U.S.S.R.] *Obrazovanie v zroslykh v SSSR*. Moskva, 1960. 88 p. [Text in Russian, French, and English] (WU)

Knowledge must reach the people. V. Zaichikov. *Part. zhizn'* no. 8:48-54 My '63.

ADVENTISTS

[Prophecy of the Second Advent, or testimonies of people prophesying the imminence of the end of the world and of the Second Advent of Jesus Christ] *O prorokakh vtorogo prishestvia ili Svidetel'stva ljudi, propovedavavshikh blizost' kontsa mira i vtorogo prishestvia Iisusa Khrista*. Moskva, Gospolitizdat, 1962. 109 p.

ADVERTISING

(see also subdivision under Ukraine)
Audio advertising. *IU. Znamenskii. Sov. torg.* 36 no. 2: 51-52 F '63.

ADYGE LANGUAGE—LEXICOLOGY

Shagirov, A. K. [Essays on the comparative lexicology of the Adyge languages] *Ocherki po sravnitel'noi leksikologii adygskikhazykov*. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1962. 213 p.

AERIAL PHOTOGRAMMETRY

Akademiia nauk SSSR. *Laboratoriia aerometodov*. [Use of airborne methods to study the sea] *Primenenie aerometodov dlia issledovaniia moria*. Pod obshchei red. V. G. Zdanovicha. Moskva, Izd-vo Akad. nauk SSSR, 1963. 546 p.

AERIAL SPORTS

(see also subdivision under Moscow)
Abrakadabra" is a new figure in advanced flying. V. Plakunov. *Kryl. rod.* 14 no. 2:21 F '63.
New regulations for all-Union competitions. *Kryl. rod.* 14 no. 2:26 F '63.
Tables of all-Union aerial records as per January 1, 1963. *Kryl. rod.* 14 no. 2:Encl. 1-8 F '63.

AERODYNAMICS—ELECTROMECHANICAL ANALOGIES

Automatic record of the lines of flow of a fluid. V. K. Alekandrov, N. A. Shuvaev. *Sudostroenie* 29 no. 4: 54-59 Ap '63.

AERODYNAMICS—EXPERIMENTS

Demonstrations in aerodynamics. *IU. I. Konfetkin. Fiz. v shkole* 23 no. 1:52-54 Ja-F '63.

AERODYNAMICS, SUPERSONIC

Arzhankov, N. S., and G. S. Sadekova. [Supersonic flow about bodies of revolution] *Obtekanie tel vrashechennia svorokhzhukovym potokom*. Moskva, Mosk. aviatseionnyi in-t im. Sergo Ordzhonikidze, 1962. 65 p. [MICROFILM]

Flow past a triangular wing at high M numbers. D. A. Babayev, Zhur. vych. mat. i mat. fiz. 3 no. 2:397-400 Mr-Apr '63.

Supersonic gas flow past solids of revolution [with summary in English]. A. S. Mikheev. *Vest. LGU* 18 no. 7: 120-127 '63.

AERONAUTICS

It is interesting to know this. *Kryl. rod.* 14 no. 2:25 F '63.
Winged workers. R. Fedorov. *Znaniia ta pratsia* no. 2:8-9 F '63.

AERONAUTICS—ABSTRACTS

[Air transportation] *Ref. zhur. : Vozd. transp.* no. 5 My '63.

AERONAUTICS—CURIOSA AND MISCELLANY

True stories. M. Liakhovets'kii. *Znaniia ta pratsia* no. 2:10-11 F '63.

AERONAUTICS—SOCIETIES, ETC.

(see also subdivision under Gomel)
The main direction. G. Shatunov. *Kryl. rod.* 14 no. 2: 7-9 F '63.

AERONAUTICS—STUDY AND TEACHING see subdivision under Kiev

AERONAUTICS—TECHNOLOGICAL INNOVATIONS

Attention and support to volunteer design offices. B. Zaslavskii and others. *Kryl. rod.* 14 no. 3:2-3 Mr '63.

AERONAUTICS, COMMERCIAL

(see also subdivision under Azerbaijan; Ukraine)
As seen by a passenger. A. Ivanov. *Grazhd. av.* 20 no. 1:15 Ja '63.

Esteem the honor of the commercial air fleet. *Grazhd. av.* 20 no. 1:1 Ja '63.

The fifth year of the seven-year plan. E. Loghinov. *Grazhd. av.* 20 no. 1:2-4 Ja '63.

First air raids for peaceful purposes. E. Meos. *IUn. tekhn.* 7 no. 2:45-48 F '63.

Fortieth anniversary of Soviet peaceful wings. *Grazhd. av.* 20 no. 3:16-17 Mr '63.

On aerial roads. G. Grigor'ev. *Grazhd. av.* 20 no. 3:24-25 Mr '63.

Readers' letters. *Grazhd. av.* 20 no. 3:18-19 Mr '63.

Strictly speaking, it is correct. But is it really? G. Kretov. *Grazhd. av.* 20 no. 3:10-11 Mr '63.

Today's air fleet; interview with B. M. Evteev. *IUn. Pukhnachev, IUn. Popov, IUn. tekhn.* 7 no. 2:3-4 F '63.

AERONAUTICS, COMMERCIAL—FREIGHT

Most urgent freight. L. Karpukhin. *Grazhd. av.* 20 no. 3:20-22 Mr '63.

AERONAUTICS, COMMERCIAL—MANAGEMENT

Count every kopeck. I. Lavrov. *Grazhd. av.* 20 no. 1: 19-20 Ja '63.

Efficient promotion of economy. G. Kolosov. *Grazhd. av.* 20 no. 1:20 Ja '63.

Expensive self-initiated activity. E. Iukhnovskii. *Grazhd. av.* 20 no. 1:21 Ja '63.

Money is burnt in turbines. A. Rudenko. *Grazhd. av.* 20 no. 1:18-19 Ja '63.

Reduced units, cost, economics. I. Chechelev. *Grazhd. av.* 20 no. 1:19 Ja '63.

There are potentialities, but... A. Markov. *Grazhd. av.* 20 no. 1:22 Ja '63.

These are sources for saving. E. Fokin. *Grazhd. av.* 20 no. 1:20-21 Ja '63.

AERONAUTICS, COMMERCIAL—PASSENGER TRAFFIC

Gorshkov, A. G., and N. N. Ljubimova. [On blue roads; practice in airline passenger service] *Na golubyykh dorogakh; iz opyta obsluzhivaniia passazhirov vozdušnogo transporta*. Moskva, Gosizdat, 1962. 38 p.

AERONAUTICS, COMMERCIAL—TECHNOLOGICAL INNOVATIONS

Office of technological innovations in commercial aeronautics. *Grazhd. av.* 20 no. 3:27 Mr '63.

AERONAUTICS, MILITARY—BIBLIOGRAPHY see Bibliography—Aeronautics, Military

AERONAUTICS IN AGRICULTURE

(see also subdivision under Krasnodar Territory; Uzbekistan)

Captain of an "air combine." *Uzbekiston* 21 no. 12:15 D '62.

Fight for harvest. *Grazhd. av.* 20 no. 3:6 Mr '63.

In the grip of private property. V. Nazarov. *Grazhd. av.* 20 no. 3:22-23 Mr '63.

Looking into the future. V. Solomatina. *Grazhd. av.* 20 no. 1:11 Ja '63.

A stumbling block. V. Svetlichnyi. *Grazhd. av.* 20 no. 1:9 Ja '63.

Three suggestions. V. Minaev. *Grazhd. av.* 20 no. 3: 13 Mr '63.

The United States has been left behind. V. Nazarov. *Grazhd. av.* 20 no. 1:9 Ja '63.

AERONAUTICS IN FORESTRY

Economic effectiveness and accuracy of aerial forest valuation from a helicopter. A. D. Dudarev, G. D. Guzev. *Nauch. zap. VLTi* 28:87-97 '62.

AERONAUTICS IN OCEANOGRAPHY

Akademiia nauk SSSR. *Laboratoriia aerometodov*. [Use of airborne methods to study the sea] *Primenenie aerometodov dlia issledovaniia moria*. Pod obshchei red. V. G. Zdanovicha. Moskva, Izd-vo Akad. nauk SSSR, 1963. 546 p.

AERONAUTICS IN SURVEYING

(see also subdivision under Siberia)

Methods for plotting the subsurface structural plans of the Ural-Yenisey region based on aeromagnetic data. N. N. Lastochkina. *Trudy NIIGA* 132:187-191 '62.
Raizer, P. Ia. [Development of aerial methods in Russia and the Soviet Union] *Razvitiie aerometodov v Rossii i Sovetskoi Soluze*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 63 p.

Some characteristics of the quantitative interpretation of high-precision aeromagnetic surveying. A. M. Karasik, V. E. Volk. *Trudy NIIGA* 132:180-186 '62.

AEROSOL THERAPY

Importance of microbiological analysis in the treatment of otorhinolaryngological diseases with antibiotic aerosols. E. S. Zhilinskii, S. I. Eidel'shtein. *Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2: 152-162 '61.

AEROSOLS

Nature of secondary processes in the filtration of aerosols. Report No. 1: Simplest theory of coprecipitation of particles in a filter and coagulation kinetics. L. V. Radushkevich. *Izv. AN SSSR. Otd. khim. nauk* no. 3: 407-414 Mr '63.

AEROSPACE TELEMETRY

Biological telemetry and space flights [with summary in English]. R. M. Baevskii. *Probl. kosm. biol.* 2:25-39 '62.

Studying the quality of the reception and transmission of speech in weightlessness [with summary in English]. I. Ia. Borshchevskii and others. *Probl. kosm. biol.* 2:215-219 '62.

AERTHERAPY

Stimulating effect of aero- and heliotherapy on bony tissue regeneration. M. S. Zhukhovitskii. *Vop. kur., fizioter., i lech. kul't.* 28 no. 1:10-14 '63.

AERTHERMODYNAMICS

Turbulent boundary layer of a nonthermally insulated wing or axisymmetric body in a compressible fluid [with summary in English]. I. P. Ginzburg, G. V. Kocheryzhenkov. *Vest. LGU* 18 no. 7:86-98 '63.

AESTHETICS

Astakhov, I. D. [Art and the problem of the beautiful] *Inkussivno i problema prekrasnogo*. Moskva, Sovetskii pisatel', 1963. 169 p.

The building of communism and some problems of Marxist-Leninist aesthetics (conclusion) [with summary in English, p. 184]. A. G. Egorov. *Vop. filos.* 17 no. 4: 16-33 '63.

- AESTHETICS (Continued)**
Current problems concerning the aesthetic education of workers. L. G. Barulina, L. G. Kniazeva, I. U. P. Petrov. Vop. filos. 17 no. 4:134-138 '63.
Konovalov, G. M. [Work, beauty, culture] Trud, krasota, kul'tura. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheski fakul'tet, no. 1)
Some problems of aesthetics in physical culture and sports (to be concluded). A. P. Rodionov. Teor. i prak. fiz. kul't. 25 no. 4:7-15 Ap '63.
- AESTHETICS—CONGRESSES**
Subject conference in Tomsk. A. S. Molchanova. Vest. vys. shkoly 21 no. 3:70-73 Mr '63.
- AESTHETICS—STUDY AND TEACHING**
A. V. Lunsharskii on the aesthetic training of the younger generation. T. D. Korneichik. Sov. pedagog. 27 no. 4:102-112 Ap '63.
Aesthetic education. Sov. pedagog. 27 no. 1:115-136 Ja '63.
Aesthetics education and aesthetics course in the institutions of higher learning. V. I. Tolstykh. Vest. vys. shkoly 21 no. 3:56-62 Mr '63.
Every specialist should have a training in aesthetics. M. F. Ovsyannikov. Vest. vys. shkoly 21 no. 3:52-55 Mr '63.
Make beauty accessible to children. D. Nedopekina. Shkola-int. no. 1:36-42 Ja-F '63.
On a firm scientific basis. A. I. Ivanov. Vest. vys. shkoly. 21 no. 3:62-65 Mr '63.
This is how we inculcate a love for art. A. S. Tatarintsev. Vest. vys. shkoly 21 no. 3:68-70 Mr '63.
- AFFORESTATION**
(see also subdivision under Gorky Province; Kamyshlov region; Moldavia; Russia, Northern)
Duration of the effect of deep plowing on the growth of pine stands. M. M. Driuchenko. Les. khoz. 16 no. 1:41-43 Ja '63.
Practices in growing oak forests in Chuvashia. P. T. Timofeev. Les. khoz. 16 no. 1:39-40 Ja '63.
- AFGHAN LANGUAGE—ATTRIBUTION**
Attribute in the Pashtu language. I. U. Vorontsov. Obshchestv. nauki v Uz. 7 no. 2:42-52 '63.
- AFGHANISTAN—FOREIGN ECONOMIC RELATIONS—RUSSIA**
Human friendship is priceless. Samat Abduvaliev. Nar. khoz. Uzb. 5 no. 2:66-68 F '63.
- AFGHANISTAN—INDUSTRIES**
Human friendship is priceless. Samat Abduvaliev. Nar. khoz. Uzb. 5 no. 2:66-68 F '63.
- AFGHANISTAN—MEDICAL ASSISTANCE, RUSSIAN**
Heroic deed of professor Nikonov. Aleksandr Lin. Nauka i zhizn' 30 no. 1:50-58 Ja '63.
- AFGHANISTAN—POLITICS AND GOVERNMENT**
"Afghanistan after the Second World War" by R. T. Akhramovich. Reviewed by M. A. Babakhodjaev. Obshchestv. nauki v Uz. 7 no. 3:49-50 '63.
- AFGHANISTAN—TECHNICAL ASSISTANCE, RUSSIAN**
Living water. M. Domogatskiikh. Ogonek 41 no. 15:12-13 Ap '63.
- AFGHANISTAN—WATER RESOURCES DEVELOPMENT**
Living water. M. Domogatskiikh. Ogonek 41 no. 15:12-13 Ap '63.
- AFRICA**
Africa changes its face. Ogonek 41 no. 16:14-15 Ap '63.
- AFRICA—ANTIQUITIES**
Davidson, Basil. [Old Africa rediscovered. Translated from the English] Novoe otkrytie drevnei Afriki. [Pod red. i s predisl. I. I. Potekhnina] Moskva, Izd-vo vostochnoi lit-ry, 1962. 314 p. (CU)
- AFRICA—BIBLIOGRAPHY**
[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. nos. 2-3 '63.
- AFRICA—DIAMOND MINES AND MINING**
The "De Beers" diamond monopoly. M. Kogan. Mir. ekon. i mezhdunar. otn. no. 2:122-127 '63.
- AFRICA—DICTIONARIES AND ENCYCLOPEDIAS**
Sovetskaya entsiklopediya gosudarstvennoe nauchnoe izdatel'stvo, Moscow. [Africa; encyclopedia] Afrika; entsiklopedicheski spravochnik. Glav. red. I. I. Potekhnin. Chleny red. kollegii: A. N. Baranov i dr. Moskva, Vol. 1, A - L. 1963. 474 p. (Entsiklopedii, slovari, spravochniki)
- AFRICA—ECONOMIC ASSISTANCE, AMERICAN**
Tret'iakov, P. N. [Economic independence and two types of aid to African countries] Ekonomicheskaya nezavisimost' i dva vida pomoshchi stranam Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 100 p.
- AFRICA—ECONOMIC ASSISTANCE, RUSSIAN**
Tret'iakov, P. N. [Economic independence and two types of aid to African countries] Ekonomicheskaya nezavisimost' i dva vida pomoshchi stranam Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 100 p.
- AFRICA—ECONOMIC CONDITIONS**
Akademii nauk SSSR, Institut narodov Azii. [Economic situation of the countries of Asia and Africa in 1960] Ekonomicheskoe polozhenie stran Azii i Afriki v 1960 g. Moskva, Izd-vo Vostochnoi lit-ry, 1962. 595 p. (CStmof)
- Struggling Africa. O. N. Melikian, L. N. Pributkovskii. Prep. ist. v shkole 18 no. 2:20-32 Mr-Apr '63.
- AFRICA—EDUCATION OF WOMEN**
One percent of military expenditure would wipe out illiteracy in Africa. Nicole Martin. Zhen. mira no. 3:21-24 '63.
- AFRICA—FOREIGN ECONOMIC RELATIONS**
The continent of struggle and hope [with English summary in insert, p. 2] V. Dmitriev. Az. i Afr. seg. no. 4:11-13 Ap '63.
- AFRICA—FOREIGN ECONOMIC RELATIONS—EUROPEAN ECONOMIC COMMUNITY COUNTRIES**
Goncharov, L. V., and G. A. Kirichenko. [The "Common Market" and African countries] "Obshchii rynek" i strany Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 70 p.
- AFRICA—INVESTMENTS, BRITISH**
The "De Beers" diamond monopoly. M. Kogan. Mir. ekon. i mezhdunar. otn. no. 2:122-127 '63.
- AFRICA—ITALIAN COLONIES**
"The path toward national independence; how the problem of former Italian colonies was solved, 1945-1950" by M. N. Ivanitskii. Reviewed by A. S. Protopopov. Vop. ist. 38 no. 4:139-140 Ap '63.
- AFRICA—LABOR AND LABORING CLASSES**
Working class of Africa in the struggle for the vital interests of the people's masses. D. Kasatkin. Polit. samozbr. 7 no. 3:50-56 Mr '63.
- AFRICA—OCEANOGRAPHIC RESEARCH**
Scientific expedition to the shores of West Africa. A. N. Probatov. Vest. vys. shkoly 21 no. 3:38-40 Mr '63.
- AFRICA—POLITICS**
A continent is breaking its chains. Ukraina no. 7:7 Ap '63.
A session devoted to the national liberation struggle of the African peoples. B. Akhmedov. Obshchestv. nauki v Uz. 7 no. 2:60 '63.
Struggling Africa. O. N. Melikian, L. N. Pributkovskii. Prep. ist. v shkole 18 no. 2:20-32 Mr-Apr '63.
- AFRICA—PUBLIC HEALTH**
Ways for public health development in the independent countries of Asia and Africa. T. A. Kobakhidze. Zdrav. Ros. Feder. 6 no. 10:27-34 O '62.
- AFRICA—TECHNICAL ASSISTANCE, RUSSIAN**
A continent is breaking its chains. Ukraina no. 7:7 Ap '63.
- AFRICA—WHEAT**
Species of wheat in North and East Africa. I. U. P. Laptev. Bot. zhur. 48 no. 3:428-430 Mr '63.
- AFRICA—WOMEN**
Women of Africa. Vitali Vol'skii. Reb. i stal. 39 no. 4:16-17 Ap '63.
- AFRICA, EAST—ECONOMIC POLICY**
State sector in the economy of East African countries. G. Usov. Mir. ekon. i mezhdunar. otn. no. 2:52-62 '63.
- AFRICA, EAST—GOVERNMENT OWNERSHIP**
State sector in the economy of East African countries. G. Usov. Mir. ekon. i mezhdunar. otn. no. 2:52-62 '63.
- AFRICA, EAST—MAN, PREHISTORIC**
Was it a man? Louis Leakey's findings in East Africa. I. U. G. Reshetov. Priroda 52 no. 4:81-84 '63.
- AFRICA, EAST—NATIVE RACES**
Hutchinson, Alfred. [Road to Ghana. Abridged translation from the English] Put' v Gannu. Moskva, Izd-vo vostochnoi lit-ry, 1961. 225 p. (NIC) (CU)
- AFRICA, SOUTH—NATIVE RACES**
Hutchinson, Alfred. [Road to Ghana. Abridged translation from the English] Put' v Gannu. Moskva, Izd-vo vostochnoi lit-ry, 1961. 225 p. (NIC) (CU)
- AFRO-ASIAN PEOPLES' SOLIDARITY CONFERENCE**
Eight years of struggle and victories. O. Kharkhardin. Az. i Afr. seg. no. 4:5 Ap '63.
- AFRO-ASIAN PEOPLES' SOLIDARITY CONFERENCE, MCSHI, 1963**
For the complete liquidation of colonialism, for world peace! Mirzo Tursun-zade. Az. i Afr. seg. no. 4:5 Ap '63.
Kilimanjaro district. A. Sofronov. Ogonek 41 no. 16:4-7 Ap '63.
The nations of Asia and Africa demand freedom, unity and peace! Az. i Afr. seg. no. 4:5-6 Ap '63.
Recollections at the Kilimanjaro Mountain; problems of Afro-Asian solidarity. V. Kudriavtsev. Mezhdunar. zhizn' 10 no. 5:75-84 My '63.
Solidarity [with English summary in insert, p. 2]. V. Kudriavtsev. Az. i Afr. seg. no. 4:5-10 Ap '63.
- AGAR**
Diffusion of antibiotics of the albumen envelope of E. coli eggs into agar media. N. A. Movchan. Nauch. dokl. vys. shkoly: biol. nauki no. 2:49-52 '63.
- AGED—CARE AND HYGIENE**
(see also subdivision under Moscow)
Tamarov, I. M. [Gymnastics for elderly people] Gimnastika dlia pozhilykh. Moskva, Medgiz, 1960. 39 p. (Nauchno-popularnaya meditsinskaya literatura) (DNLM)
- AGED—DISEASES**
Psychic disorders following insults and softening of the brain in advanced age. N. Aripov. Med. zhur. Uzb. no. 8:66-69 Ag '62.
- AGED—NUTRITION**
Nutrition of elderly people. F. O. Chernyi. Zdrav. Turk. 7 no. 2:29-33 F '63.
- AGED—RECREATION**
Barkov-Serazini, I. M. [Physical culture for elderly people] Fizicheskaya kul'tura v pozhlom vozraste. Moskva, Fizkul'tura i sport, 1962. 63 p. (Dobrota i "fizkul'tura izdorov'e")
- AGGREGATES**
Compactness of a family of totally additive functions of a set. G. I. Areshkin. Uch. zap. Ped. inst. Gerts. 2:1:102-118 '62.
Conditions for close imbedding in semigroups. E. S. Lashin. Uch. zap. Ped. inst. Gerts. 239:3-20 '62.
Determining correlations of a semigroup of partial endomorphisms of a finite linearly ordered set. L. M. Popova. Uch. zap. Ped. inst. Gerts. 238:78-88 '62.
Homomorphisms of semigroups of endomorphisms of ordered sets. A. I. Aizenshtat. Uch. zap. Ped. inst. Gerts. 238:38-48 '62.
A semigroup of partial endomorphisms of a set with a relation. L. M. Popova. Uch. zap. Ped. inst. Gerts. 238:48-77 '62.
Semigroups of endomorphisms of quasi-ordered sets. L. B. Shneperman. Uch. zap. Ped. inst. Gerts. 238:2-37 '62.
- AGGREGATES (BUILDING MATERIALS) see subdivisions under Bratsk Hydroelectric Power Station**
- AGGREGATES (BUILDING MATERIALS)—COLD WEATHER CONDITIONS**
Preparation of concrete aggregates in winter. I. I. Kudolarov. Bet. i zhel.-bet. 9 no. 3:108-112 Mr '63.
- AGGREGATES (BUILDING MATERIALS)—STANDARDS**
"Aggregates for concrete and mortar." Bui. stroit. m. 20 no. 3:14-16 Mr '63.
- AGING**
Age-related characteristics of the sensitivity of parts of the vegetative nervous system with respect to the effect of hexonium [with summary in English]. I. K. Duplenko. Vrach. delo no. 3:65-71 Mr '63.
Change in working capacity, energy expenditure, blood circulation and respiration during the aging of the organism [with summary in English]. V. V. Frolov, and others. Vrach. delo no. 3:54-59 Mr '63.
Mechanism underlying sensitivity variations in the chemoreceptors of vessels in an aging organism. V. V. Frolov, I. V. Shehegoleva. Dokl. AN SSSR 148 no. 1:982-984 F '63.
Study of the relations between vitamins-coenzymes and corresponding enzymes as related to the age of the animal and the effect of some substances proper to the organism [with summary in English]. S. Ceria. Biokhimiya 28 no. 1:3-8 Ja-F '63.
- AGRANULOCYTOSIS**
Clinical aspects and pathogenesis of so-called essential agranulocytosis. G. F. Belov. Sov. med. 26 no. 1:104-108 Ja '63.
- AGRICULTURAL ADMINISTRATION**
(see also subdivision under Cherkassy Province; East Kazakhstan Province; Luninets District; Orel region; Orenburg Province; Spassk-Ilyazansky District; Ukraine; Ust'-Labinsk region; Uzbekistan; Vasil'kov District; Zelenovskiy District)
Development level and specialization of agricultural production. N. Vasil'ev. Vop. ekon. no. 4:72-81 Ap '63.

AGRICULTURAL ADMINISTRATION (Continued)

Planning state and collective farm production. A. Lalalan. Nar.khoz, Uzb. 5 no.2:59-62 F '63.
"Vigorous force of the building of communism; consolidation of the alliance of workers and collective farmers during the large-scale building of communism" by B. Kovalevskiy. Reviewed by I. Kh. Hanzha, L.M. Hanzha, Ukr.ist. zhur. 6 no.2:144-146 Mr-Apr '63.
Zagorulkhin, V. A., P. A. Men'ko, and D. F. Porepelkin. [Permanent production councils.] Postoianno delatvushchie proizvodstvenno-soveshchaniia. 2., perer. izd. [Moskva] Profizdat, 1961. 63 p. (Biblioteka profsotuznogo aktivista, no. 3)

AGRICULTURAL CHEMICALS

Capitalist production of toxic chemicals. S. Safronov. Mir. ekon. i mezhdunar. otn. no. 4:86-88 '63.
Chemical protection of plants. V. Lobov, H. Iefimov. Nauka i zhytiia 12 no.2:10-10 F '63.
New features in chemical science and technology. Khim. v shkole 18 no.2:84-85 Mr-Apr '63.
Outlook and tasks of chemistry in plant protection. N. N. Mel'nikov. Zashch. rast. ot vred. i bol. 6 no.11:19-21 N '61.

AGRICULTURAL CHEMICALS—SAFETY MEASURES

More rigorous control in the use of poisonous chemicals. M. G. Shevchenko. Zashch. rast. ot vred. i bol. 6 no.8:11-13 Je '61.
Rendering harmless containers, premises, and transportation means. I. U. I. Kundiev, M. E. Podlininaeva. Zashch. rast. ot vred. i bol. 6 no.11:33-34 N '61.

AGRICULTURAL CHEMICALS—TOXICOLOGY

Effect of poisonous chemicals and mineral fertilizers on useful animals. L. D. Voronova, I. G. Torina, N. M. Churkina. Okhr. prir. i zapov. delo v SSSR no. 7:73-87 '62.

AGRICULTURAL CHEMISTRY see subdivision under Bashkiria

AGRICULTURAL CHEMISTRY—STUDY AND TEACHING (see also subdivision under Ukraine)

How a chemistry course could help the training of students in agriculture. L. A. Korobelnikova. Izv. APN no.122:284-297 '62.

AGRICULTURAL CONTRACTS see Contracts, Agricultural

AGRICULTURAL COURTS AND PROCEDURE

(see also subdivision under Vinnitsa Province)
"Fellow farmers' courts on collective farms" by O. M. Ostrova'kyl, A. M. Fel'dman. Reviewed by Z. Sushchuk. Rad. pravo no.2:151-153 Mr-Apr '63.

AGRICULTURAL EDUCATION

Faculty as a collective propagandist of agricultural knowledge. N. I. Fol'mer. Vest. vys. shkoly 21 no.3:74-75 Mr '63.
Ivanova, G. A. [Training an intelligentsia of technical specialists for socialist agriculture] O podgotovke kadrov proizvodstvenno-tekhnicheskoi intelligentsii dlia sotsialisticheskogo sel'skogo khoziaistva. Moskva, Vysshiaia shkola, 1962. 55 p. (Materialy k lektsiiam po istorii KPSS)

AGRICULTURAL EXPERIMENT STATIONS

(see also subdivision under Karabalykskiy District; Kirovograd Province)
From the work practices of the "Gorki Leninskiy" Experiment Base. F. V. Kallistratov. Zemledelie 25 no.1:14-21 Ja '63.
"Seed production on a state demonstration farm" by S. A. Baranov. Reviewed by A. I. Smakin. Zemledelie 25 no.1:79 Ja '63.

AGRICULTURAL GEOGRAPHY see subdivision under Bukhara Province; Samarkand Province

AGRICULTURAL INSURANCE see Insurance, Agricultural

AGRICULTURAL JOURNALISM see Journalism, Agricultural

AGRICULTURAL LAWS AND LEGISLATION

(see also subdivision under Ukraine)
A conference on the problems of agricultural and collective farm law. N. A. Syrodoev. Izv. vys. ucheb. zav. prav. 6 no.2:165-168 '62.
Legal problems concerning the state procurement of farm products. A. I. Volkau. Vest. AN BSSR. Ser. hram. nav. no.1:34-42 '63.
Legal regulations concerning disputes among the members of a family who own a farmstead. I. Kocherashchenko. Rad. pravo no.3:110-112 My-Je '62.
Some problems relating to the legal status of state farms during the large-scale building of communism. N. Kovalenko. Sov. iust. no.8:3-5 Ap '63.
Strict observance of Soviet laws on collective and state farms. M. Kozyr'. Sots. zakon. 39 no.7:54-58 Jl '62.

AGRICULTURAL LIBRARIES

Books help the work. I. Kandaurov. Klub 12 no.2:6-7 F '63.

AGRICULTURAL MACHINERY

(see also subdivision under Kazakhstan; Moscow Province; Ukraine)
Competition for Lenin prizes. Sel'. mekh. no.1:7 Ja '63.
How we mechanize vegetable gardening. M. D. D'akonov, V. A. Lastovenko. Mekh. sil'. hosp. 14 no.2:27-28 F '63.
Iaroshenko, P. N. [Sowing and planting machines] Posilni i sady'ni mashyny. Kyiv, Derzhsil'hospvydav U. R. S. R., 1962. 217 p. (Na dopomohu vyvchaluchym s-h. tekhniku) (DNAL)
Ivanov, N. Ia., and others. [Mechanized raising and harvesting of buckwheat and millet] Mekhanizatsiia vozdelevaniia i uborki grechkhii i prosa. Moskva, Izd-vo M-va sel'. khoz. RSR SR, 1962. 33 p. (DNAL)

Keep it up! Sel'. mekh. no.1:2-3 Ja '63.
Make better use of the potentiality of the enterprises of the Section of Agricultural Machinery. A. Samsonov. Tekh. v sel'khoz. 23 no.1:75-76 Ja '63.
Mechanization of horticultural work. G. Shamaev. Tekh. v sel'khoz. 23 no.1:12-17 Ja '63.
New machinery for grape cultivation. A. Loktionov. Ekon. sel'khoz. 34 no.3:61-63 Mr '63.
"Practical training in driving tractors, automobiles, and self-propelled agricultural machines" by V. Kobezskii, S. Nishchuk. Reviewed by A. Shkol'nikov. Sel'. mekh. no.1:39 Ja '63.
Reviewing the articles published in the periodical "Selskoe khoziaistvo za rubezhom." Tekh. v sel'khoz. 23 no.1:90-92 Ja '63.
The SSh-45 self-propelled chassis with an aggregate of mounted machines. A. N. Pugachev. Zemledelie 25 no.1:47-53 Ja '63.
Today's achievements of individual innovators may be tomorrow's achievements of groups. V. Poliakov, A. Kozobrodov. Sel'. mekh. no.1:4-5 Ja '63.

AGRICULTURAL MACHINERY—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref. zhur. : Trakt. i sel'khoz. mash. i orud. no.5 My '63.

AGRICULTURAL MACHINERY—BIBLIOGRAPHY see Bibliography—Agricultural machinery

AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

(see also subdivision under Bransvsky District; Bryansk Province; Georgia; Krasnoyarsk Territory; Nava-Russkaya District; Tula Province; Ukraine)
Create good working conditions for mechanics. V. Demin. Sel'. mekh. no.1:21 Ja '63.
Economic care of machines. A. Ovcharenko. Sel'. mekh. no.1:18 Ja '63.
Improvement of equipment. A. Selivanov, F. Zolotarev. Sel'. mekh. no.1:16-18 Ja '63.
Krol'k, Z. M. [Fundamentals of materials' study and repair work] Osnovy materialovedeniia i remontnogo dela; metodicheskoe posobie dlia prepodavatelei i masterov sel'skikh professional'no-tekhnicheskikh uchilisht. Moskva, Proftekhizdat, 1962. 158 p.
Restoration of splined joints. IE. I. Leinachuk. Mekh. sil'. hosp. 14 no.1:13-14 Ja '63.
They accomplished what they had in mind. I. Lebedev and others. Sel'. mekh. no.1:32-33 Ja '63.
We called to account the officials who neglected the maintenance of agricultural machinery. I. Kireev. Sots. zakon. 39 no.7:44-45 Jl '62.

AGRICULTURAL MACHINERY—PRICES

Regulate prices for agricultural machinery. M. Vainer, V. Alfer'ev. Ekon. sel'khoz. 34 no.3:107-112 Mr '63.

AGRICULTURAL MACHINERY—SAFETY MEASURES

Profsoluz rabochikh i sluzhashchikh sel'skogo khoziaistva i zagotovok. Tsentral'nyi komitet. [Manual on safety measures for work with tractor-mounted and semimounted machines] Pamiatka po tekhnike bezopasnosti pri rabote na traktorakh s naveynymi i polunaveynymi mashinami. Moskva, Sel'khoozizdat, 1963. 28 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)
Profsoluz rabochikh i sluzhashchikh sel'skogo khoziaistva i zagotovok. Tsentral'nyi komitet. [Manual on safety measures for work with tractors and tractor-drawn machines] Pamiatka po tekhnike bezopasnosti pri rabote na traktorakh s pritsepnymi mashinami. Moskva, Sel'khoozizdat, 1963. 31 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)
Profsoluz rabochikh i sluzhashchikh sel'skogo khoziaistva i zagotovok. Tsentral'nyi komitet. [Manual on safety measures in the operation of feed processing machines] Pamiatka po tekhnike bezopasnosti pri obsluzhivani mashin po pererabotke kormov. Moskva, Sel'khoozizdat, 1963. 22 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)

AGRICULTURAL MACHINERY—STUDY AND TEACHING

(see also subdivision under Andizhan; Kirovograd Province; Lvov Province; Ukraine)
Production assignments in physics in rural schools. F. I. Kochurov. Fiz. v shkole 23 no.1:79-83 Ja-F '63.
State farm personnel has begun to learn. A. Kondratenko. Sel'. mekh. no.1:23 Ja '63.

AGRICULTURAL MACHINERY—TIRES

Anikanova, K. F., S. P. Zakharov, and I. I. Seleznev. [Tires for tractors, tractor trailers, and agricultural machines; reference materials] Shiny dlia traktorov, traktornykh pritsopov i sel'skokhoziaistvennykh mashin; spravochnye materialy. Moskva, Goskhimizdat, 1963. 51 p.

AGRICULTURAL MICROBIOLOGY—RESEARCH

From the work of the All-Union Research Institute of Agricultural Microbiology. M. I. Prokhorov. Zashch. rast. ot vred. i bol. 6 no.11:23-25 N '61.

AGRICULTURAL PESTS

(see also subdivision under Kzyl-Orda Province)
A symposium on the use of ants as a means of agricultural and forest pest control. G. A. Viktorov. Vest. AN SSSR 33 no.4:113-114 Ap '63.

AGRICULTURAL POLICY

"The building of communism and the development of agriculture in the U. S. S. R." by N. Khrushchev. Book reviews. Agitator no.9:7-11 My '63.
"Building of communism in the U. S. S. R. and agricultural development." Vols. 4-5 by N. S. Khrushchev. Reviewed by P. Golubkov. Vop. ekon. no.4:33-40 Ap '63.
"The building of communism in the U. S. S. R. and the development of agriculture" by N. S. Khrushchev. Reviewed by N. Zakolupin. Part. zhizn' no.9:72-76 My '63.
"The building of communism in the U. S. S. R. and the development of Soviet agriculture." Vols. 1-7, by N. S. Khrushchev. Reviewed by V. Poliakov. Kommunist 40 no.6:20-33 Ap '63.
Leninist path of the peasantry toward communism. Z. Shul'ga. Komm. Ukr. 38 no.4:42-50 Ap '63.
Plan of the fifth year of the seven-year period. Tekh. v sel'khoz. 23 no.1:1-3 Ja '63.
The shock front of the building of communism. F. Kaimov. Komm. Uz. 35 no.3:13-19 Mr '63.

AGRICULTURAL PRICES

Basic principles of price determination for agricultural products. I. S. Kuvshinov, M. N. Gumerov. Dokl. TSKHA no.68:25-45 '61.

AGRICULTURAL RESEARCH

(see also subdivision under Komi A. S. S. R.; Rostov Province)
Science and the development of agriculture and medicine. Vest. AN SSSR 33 no.4:62-77 Ap '63.
Year of work according to new methods. E. Rogacheva. NTO 6 no.3:20-22 Mr '63.

AGRICULTURAL WAGES

(see also subdivision under Moscow Province; Ukraine)
Answers to readers. A. N. Stepanenko, I. N. Zaltsman. Mekh. sil'. hosp. 14 no.1:32 Ja '63.
Questions and answers. Sel'. mekh. no.1:38 Ja '63.
Role of group material self-interest. A. Ia. Tikhonov. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Polit. ekon. no.5:188-198 '62.

AGRICULTURAL WORKERS

(see also subdivision under Azerbaijan; Chernyakhov District; Kemerovo Province; Krutinka District; Kustanay Province; Moldavia; Naeinai; Rostavl'; Tyumen' Province; Ukraine)
Kuz'minov, N. V. [Set the fire of enthusiasm in people] Plamin dushi - ludam, [Tambor] Tamborskoe knizhnoe izd-vo, 1962. 19 p. (Nashi malaki) (DNAL)

Maintain honor from youth. Nadezhda Zaglaria. Mol. komm. no.11:12-15 N '62.
Preserve the honor of graingrowers! Kul't.-pros. rab. 23 no.11:36-38 N '62.

AGRICULTURAL WORKERS—EDUCATION AND TRAINING

(see also subdivision under Alma-Ata Province; Stavropol Territory; Tyumen Province; Uzbekistan)
Members of the Communist Youth League on virgin lands. G. Ignatovich. Nar. obr. no.4:83-84 Ap '63.
Party and political work in a village. Polit. samooobr. 7 no.3:76-80 Mr '63.
School and a state farm. I. I. Khokhlov. Shkola i proizvod. 7 no.2:9-11 F '63.

AGRICULTURAL WORKERS—JOB DESCRIPTIONS

For rural machine operators. A. Kansev. Sov. profsolyuz 19 no.7:30-31 Ap '63.

- AGRICULTURE**
(see also subdivision under Ashevskiy District; Kagarlyk District; Kazakhstan; Krasnoyarsk Territory; Moldavia; Moscow Province; Poltava Government; Ukraine; United States; Uzbekistan; Virgin Territory; Voronezh Province; White Russia)
Automation and agriculture. *IUn. tekhn.* 7 no. 4:2-6 Ap '63.
"The building of communism in the U.S.S.R. and the development of Soviet agriculture," Vols. 1-7, by N. S. Khrushchev. Reviewed by V. Poljakov. *Kommunist* 40 no. 6:20-33 Ap '63.
The "Communist Youth League searchlight" in action. *Mol. komm.* no. 2:13-17 F '63.
Fifth year of the seven-year plan. *Sel', mekh.* no. 1:1-3 Ja '63.
Increasing production of feeds and the intensification of agriculture. S. S. Shain. *Zemledelie* 25 no. 1:29-35 Ja '63.
Umashchev, A. I. [Socialist reorganization of agriculture in the U.S.S.R. and the people's democracies] *Sotsialisticheskoe preobrazovanie sel'skogo khoziaistva v SSSR i stranakh narodnoi demokratii; uchebnyi material.* Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962, 106 p.
Specialization and concentration in agricultural production. S. G. Kolesnev, I. U. F. Veksler. *Dokl. TSKHA* no. 68:5-23 '61.
Tsikoto, I. A. [Communism and agriculture] *Kommunizm i sel'skoe khoziaistvo*, Moskva, Ekonomizdat, 1963, 78 p.
Use of plastics in irrigation and water supply for agriculture. V. N. Gorinskii. *Plast. massy* no. 3:71-74 '63.
- AGRICULTURE—ABSTRACTS**
[Agriculture; classified index of articles in foreign periodicals] *Sel', khoz.; st. ukaz. st. v inostr. zhur.* no. 2 '63.
- AGRICULTURE—ACCOUNTING**
(see also subdivision under Rovno Province; Stupino District)
The financial statement. M. S. Betsousov. *Uchet i fin. v kolhoz, i sovkh. i sovkh. i sovkh.* 20 no. 3:17-21 Mr '63.
"Mechanization of accounting on collective and state farms" by N. D. Koshliak. Reviewed by V. D. Smirnov. *Uchet i fin. v kolhoz, i sovkh. i sovkh.* 20 no. 3:46-47 Mr '63.
Statistical reports need improvement. V. K. Ivanov. *Uchet i fin. v kolhoz, i sovkh. i sovkh.* 20 no. 3:10-11 Mr '63.
- AGRICULTURE—ACCOUNTING—STUDY AND TEACHING**
Economic training of agricultural specialists. M. F. Gai-netdinov. *Uchet i fin. v kolhoz, i sovkh. i sovkh.* 20 no. 3:39-40 Mr '63.
- AGRICULTURE—AUDITING AND INSPECTION**
(see also subdivision under Syr Darya District; White Russia)
Lenin's principles of party and state control. *Ekon. sel'kh. i sovkh.* 34 no. 3:1-6 Mr '63.
Rural "searchlight bearers" take the field! E. Igonin, K. Gromova, N. Kovalenko. *Komsom. zhizn'* no. 4:11-14 F '63.
Work practice under the new conditions. A. Kiselev, M. Braveman. *Den, i kred.* 21 no. 4:47-50 Ap '63.
- AGRICULTURE—BIBLIOGRAPHY** see Bibliography—Agriculture
- AGRICULTURE—ECONOMIC ASPECTS**
(see also subdivision under Latvia; Rumania; Thailand; United States; White Russia)
"Economics of socialist agriculture." Book review 15/10. *Polit. samobor.* 7 no. 3:126-127 Mr '63.
Glinka, M. V., and V. E. Stashevskii. [Goals of Russia] *Rubezh Rossii. Pod obshchimi red.* I. N. Kuznetsova. [Moskva] Sovetskaya Rossiia, 1963, 288 p. (V po-moshchi' agitatoru i propagandistu)
- AGRICULTURE—ECONOMIC ASPECTS—BIBLIOGRAPHY** see Bibliography—Agriculture—Economic aspects
- AGRICULTURE—EXPERIMENTATION**
All-Union conference of workers at the young naturalist stations and agricultural experimenters. N. G. Nikulina. *Biol. v shkole* no. 2:89-90 Mr-Apr '63.
Experiment with microelements. S. Kasymaliev. *Shkola i proizv.* 7 no. 2:58-59 F '63.
Field experiment on the use of trace-element fertilizers and some herbicides in rural schools. D. B. Kolanbaev. *Khim. v shkole* 18 no. 1:72-75 Ja-F '63.
Herculean water. L. Sen'ko. *Znaniia i pratsia* no. 2:17 F '63.
Into the cup of plenty. *IUn. nat.* no. 3:38-37 Mr '63.
- AGRICULTURE—FINANCE**
(see also subdivision under Tyumen' Province; Uzbekistan)
Discussion of recommendations on business accounting and agricultural wages. O. Vladimirov, L. Viktorov. *Vop. ekon.* no. 4:146-152 Ap '63.
Material incentives of agricultural production. *Ekon. sel'kh. i sovkh.* 34 no. 3:118 Mr '63.
- AGRICULTURE—LABOR PRODUCTIVITY**
"Life, work, and thoughts" by N. G. Zaglada. Reviewed by D. Prilik. *Komm. Ukr.* 38 no. 3:90-92 Mr '63.
- AGRICULTURE—MATHEMATICAL MODELS**
A mathematical model for selecting the rational number of seeds in sowing. S. Kh. Sirazhdinov. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 7 no. 1:30-33 '63.
- AGRICULTURE—PERIODICALS**
Tribune of progressive practices. *Sov. pech.* no. 4:22-23 Ap '63.
- AGRICULTURE—STUDY AND TEACHING**
(see also subdivision under Bulgaria; Gorkiy Province; Ukraine)
After school to the state farm. *IUn. Strel'tsov. Klub* 12 no. 2:8-9 F '63.
Connection between agricultural schools and life. V. K. Efremov. *Sred. spets. obr.* 10 no. 4:1-5 Ap '63.
Creative generalization of progressive experience. V. Protsenko. *Nar. obr.* no. 4:113-116 Ap '63.
Diploma projects in an agricultural correspondence school. A. T. Zaitsev. *Sred. spets. obr.* 10 no. 4:49-51 Ap '63.
From the pages of the press. N. Dolenko. *Shkola i proizv.* 7 no. 2:84 F '63.
Initiating a great cause. D. Bobovnikov. *Nar. obr.* no. 4:34-37 Ap '63.
Let us bring agricultural knowledge to school children. I. Zaitseva. *Bibliotekar'* no. 4:37-38 Ap '63.
Let's bring teaching closer to life. V. S. Ias'. *Shkola i proizv.* 7 no. 2:31-32 F '63.
Methods of using students' agricultural work for educational purposes. E. P. Gusev. *Sov. pedag.* 27 no. 4:31-37 Ap '63.
Planning the work on a school experimental plot. I. A. I. Gusev. *Shkola i proizv.* 7 no. 2:19-21 F '63.
Practical and experimental work in agriculture. *Biol. v shkole* no. 2:47-54 Mr-Apr '63.
- AGRICULTURE—TAXATION**
(see also subdivision under White Russia)
History of the introduction of the levy in kind. *IUn. K. Strizhkov. Ist. zap.* no. 7:125-42 '62.
- AGRICULTURE, COOPERATIVE**
(see also subdivision under Darkhan District; Mongolia; Europe; Eastern; Poland)
Development of agricultural cooperatives in the U.S.S.R. during the reconstruction period, 1921-1926. M. V. Gamalunov. *Dokl. TSKHA* no. 68:207-222 '61.
- AGRICULTURISTS**
(see also subdivision under Gorkiy Province)
Why does the degree grow moldy. V. Tret'iakov. *Smena* 39 no. 17:12-13 S '62.
- AIR—ANALYSIS**
Graphic determination of the coefficient of the excess of air from the data of gas analysis. I. F. Gavrilenko, A. P. Filagin. *Trudy IGI* 19:200-205 '62.
- AIR—POLLUTION**
Kushakovskii, L. N. [Air has to be clean] *Vozdukh dolzhen byt' chistym.* Moskva, Medgiz, 1963, 53 p. (Nauchno-populiarnaya meditsinskaya literatura)
- AIR—PURIFICATION**
Kushakovskii, L. N. [Air has to be clean] *Vozdukh dolzhen byt' chistym.* Moskva, Medgiz, 1963, 53 p. (Nauchno-populiarnaya meditsinskaya literatura)
Selection and study of means of removing carbon monoxide from the air in mines. V. V. Nedlin, D. Z. Gel'man, A. P. IANov. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:38-43 '62.
- AIR, IONIZED**
Hygienic evaluation of the ionization of air in some city recreation places for the population [with summary in English]. *IUn. D. Dumanskii. Vrach. delo* no. 3:113-115 Mr '63.
- AIR, IONIZED—INDUSTRIAL APPLICATIONS**
New type of ionizing static eliminator. P. A. Polonik. *Tekst. prom.* 23 no. 3:82-85 Mr '63.
- AIR, IONIZED—THERAPEUTIC USE**
(see also subdivision under Turkestan)
Effect of a single treatment with negative aerolons on vascular reactivity in hypertension. G. G. Efremushkin. *Trudy Inst. kraev. pat. AN Kazakh. S.S.R.* 11:185-192 '62.
Effect of positive and negative aerolons on the survival of guinea pigs in a fatal anaphylactic shock. G. K. Trofimov. *Trudy Inst. kraev. pat. AN Kazakh. S.S.R.* 11:193-198 '62.
- AIR BRAKES—MAINTENANCE AND REPAIR**
Bolko, F. I., and V. I. Danilov. [Repair of air distributors] *Prosvytny No. 270-002* Remont vozdukhoraspre-delitel' usl. No. 270-002; opyt kontrol'nogo punkta avtomatizirovannykh Sverdlovsk-Sortirovochnykh. Moskva, Transzheldorizdat, 1963, 41 p.
- AIR COMPRESSORS—COOLING**
Treatment of water for cooling piston air compressors with ammonium sulfate. L. P. Dobzhitskii. *Bezop. truda v prom.* 8 no. 8:29-30 Ag '62.
- AIR CONDITIONING** see subdivision under United States
- AIR CONDITIONING—EQUIPMENT AND SUPPLIES**
"Heating, ventilation and air conditioning; equipment, accessories and materials." *Dokl. Strel'tsov. Klub* 12 no. 2:8-9 F '63.
Method of making calculations for air washers and air conditioners with joint use of two coefficients of heat exchange efficiency. E. B. Karpis. *Ved. i zap. vzh.* no. 4:25-30 Ap '63.
- AIR CURTAINS**
"Air curtains" by V. M. El'terman. Reviewed by M. I. Fil'mel. *Izv. vys. ucheb. zav. i shk. i fakult.* 4 no. 3:150 '63.
- AIR-ENTRAINED CONCRETE—TESTING**
Stability of concrete pavements and the role of air-entraining additives. A. N. Zashchepin, N. N. Anisimov. *Avi. dor.* 26 no. 4:16-18 Ap '63.
- AIR FILTERS**
Purification of dusty air. B. M. Vladimirov. *Tekst. prom.* no. 2:49-50 F '63.
- AIR FLOW**
Heat convection in a whirling air flow under pressure. G. N. Detiagin. *Trudy IGI* 19:24-34 '62.
Predvoditelev, A. S., and others. [Tables of the aerodynamic and thermodynamic values of an air flow behind a direct shock wave for velocities of the incident wave up to 4500 m/sec.] *Tablitsy gazodinamicheskikh i termodinamicheskikh velichin potoka vozdukh pri priamym skachkom uplotnenia; dlia skhvatki nabe-gaiushchego potoka do 4500 m/sek.* Moskva, Vychislitel'nyi tsentr AN SSSR, 1962, 131 p.
- AIR PILOTS**
But we are pilots... *IUn. Robinson. Smena* 39 no. 16:18-19 Ag '62.
Sentinel of the sky. O. Nazarov. *Znaniia i pratsia* no. 2:14 F '63.
Stormy front. I. Volokitin, V. Gol'tsov. *Grazhd. av.* 23 no. 3:4-5 Mr '63.
- AIR PREHEATERS**
Heat transfer and resistance in a regenerative rotary air preheater with a movable ball-type coupling. N. F. Nima. *Trudy MFT* no. 139:110-121 '61.
- AIR RESISTANCE**
Determining the coefficient of car resistance to air. P. P. Stromakii. *Vest. TSNI MP* 22 no. 2:31-34 '63.
- AIRLINES—COST OF OPERATION**
Cost of a ton per kilometer. F. Sadchikov. *Grazhd. av.* 20 no. 3:9 Mr '63.
- AIRLINES—TIMETABLES**
Russia (1923- U.S.S.R.) *Glavnoe upravlenie grazhdanskogo vozdukharnogo flota.* [International airline schedule for the summer 1960 effective April 1 (Moscow time)] *Raspisanie dvizhenia samoletov na mezh-dunarodnykh vozdukhnykh liniiakh s 1 aprelya na letniy period 1960 g.; vremia moskovskoe.* Moskva, Izdatel'stvo IZdatel'skii otdel Aeroflota, 1960, 10 p. [PHOTOCOPY]
- AIRPLANES**
The "An-24." I. Igorev. *IUn. tekhn.* 7 no. 3:10-11 F '63.
From a "shelf" to the "TU-124" jet plane. A. Krasov. *IUn. tekhn.* 7 no. 2:10, 14, 28, 44, 47, 68, 64 F '63.
- AIRPLANES—CONTROLS**
Kolosov, S. P. [Elements of aircraft automatic control systems] *Elementy aviatsonnykh avtomaticheskikh ustroistv.* Izd. 2, perer. i dop. Moskva, Obortagiz, 1963, 462 p.
- AIRPLANES—ELECTRONIC EQUIPMENT**
Analytical method for determining the optimum parameters of static and astatic autopilots [with summary in English]. V. D. Matysin. *Avtom. i telem.* 24 no. 4:455-464 Ap '63.
- AIRPLANES—ENGINES**
Which engines are more efficient? D. Bugrov. *Grazhd. av.* 20 no. 3:28 Mr '63.
- AIRPLANES—ENGINES—ABSTRACTS**
[Aircraft and rocket engines] *Ref. zhur. i Av. i raket. dvig.* no. 5 My '63.
- AIRPLANES—FLIGHT TESTING**
Romance of my profession. *IUn. Kurlin. Znaniia i pratsia* no. 2:12-13 F '63.
- AIRPLANES—ICE PREVENTION**
Winter: Landing under icing conditions. O. Trunov. *Grazhd. av.* 20 no. 1:23-24 Ja '63.
- AIRPLANES—LANDING**
Landing approach with a turn for a given angle. A. Kuvshinov. *Grazhd. av.* 20 no. 3:8 Mr '63.
- AIRPLANES—LUBRICATION**
Effect of fine filtration of the MC-20 aviation oil in its performance characteristics. A. R. Koniakina. *Khim. i tekhn. topl. i masel* 8 no. 3:65-67 Mr '63.

AIRPLANES—MAINTENANCE AND REPAIR

(see also subdivision under Vnukovo)

A "doctor" of airplanes. A. Nikolaev. Mol. komm. no. 2:58-59 F '63.

AIRPLANES—MODELS

Airplane weighing one gram. M. Dereza. Znannia ta pratsia no. 2:29-30 F '63.

Engine-propeller units for models. E. Smirnov. Kryn. rod. 14 no. 3:insert 1-9 Mr '63.

Engines, training, competitions. V. Evmenenko. Kryn. rod. 14 no. 3:21 Mr '63.

High-reliability equipment (to be concluded). A. Kartashov. IU. Otrishenkov. Kryn. rod. 14 no. 2:28-29 F '63.

High-reliability equipment (conclusion). A. Kartashov. IU. Otrishenkov. Kryn. rod. 14 no. 3:28-29 Mr '63.

My model. A. Zhebrakov. Kryn. rod. 14 no. 3:24-25 Mr '63.

New regulations for all-Union competitions. Kryn. rod. 14 no. 2:26 F '63.

Only the skillful do not depend on weather. V. Plaksin. Kryn. rod. 14 no. 3:22-23 Mr '63.

Practice of foreign airplane modeling. Kryn. rod. 14 no. 3:23 Mr '63.

Propeller for a rubber-motor model. L. Belorussov. Kryn. rod. 14 no. 3:insert 10-15 Mr '63.

AIRPLANES—PILOTING

Flight safety is the leading subject. M. Polupinski. Grazhd. av. 20 no. 1:28-29 Ja '63.

AIRPLANES—REFUELING

Airplane refueling in the upper atmosphere. I. Shelest. IUn. tekhn. 7 no. 2:24-27 F '63.

AIRPLANES—TECHNOLOGICAL INNOVATIONS

Innovator S. Krutianskii. M. Petrikhin. Kryn. rod. 14 no. 2:24 F '63.

Office of innovations of the commercial air fleet. Grazhd. av. 20 no. 1:25 Ja '63.

AIRPLANES—WINGS see subdivision under Hungary

AIRPORT DRAINAGE

Mechanized laying of concrete gutters of landing and take-off strips. V. S. Segal, M. P. Riazov. Avt. dor. 26 no. 2:10-11 F '63.

AIRPORTS—LIGHTING

Development of arc-type floodlights for lighting large open spaces. N. V. Chernyshova. Svetotekhnika 9 no. 2:14-18 F '63.

AIRPORTS—TECHNOLOGICAL INNOVATIONS

Main airports should have mechanization areas. N. Iakobson. Grazhd. av. 20 no. 3:25 Mr '63.

AIRPORTS—TRAFFIC CONTROL

Standard command and dispatch stations. B. Grechishkin. Grazhd. av. 20 no. 1:11 Ja '63.

AIRSHIPS see subdivision under United States

AIVAZOVSKII, IVAN KONSTANTINOVICH, 1817-1900

Rescuing the treasures of the Aivazovskii Gallery. V. Astakhova. Iskusstvo 26 no. 12:70 '62.

AKADEMGORODOK—RETAIL TRADE

Stores in the golden valley. A. Markushevich. Sov. torg. 36 no. 2:23-27 F '63.

AKMOLINSK PROVINCE see Tsel'nograd Province

AKSEL'ROD, GLEB

Gleb Aksel'rod at the piano. Metislav Smirnov. Sov. muz. 27 no. 3:80 Mr '63.

AKTYUBINSK PROVINCE—DELIVERY OF GOODS

Conduct clearing payments in a businesslike way. I. Shuleshov. Koop. Kazakh. 5 no. 11:52-54 N '62.

AKTYUBINSK PROVINCE—GEOLOGY, STRATIGRAPHIC

Upper Paleozoic facies in the Akt'yubinsk Province portion of the Ural Mountains. A. K. Zamarenev. Trudy Inst. nefti AN Kazakh. SSSR 4:20-40 '61.

AKTYUBINSK PROVINCE—PAYMENT

Conduct clearing payments in a businesslike way. I. Shuleshov. Koop. Kazakh. 5 no. 11:52-54 N '62.

AKTYUBINSK REGION—ARGILLITE

Volcanic argillites in the Devonian of the Akt'yubinsk part of the Ural Mountain region. I. V. Khvorova, V. A. Drita. Dokl. AN SSSR 149 no. 3:669-671 Mr '63.

AKTYUBINSK REGION—GAS, NATURAL—GEOLOGY

Geology, and oil and gas potentials of anticlinal folds in the Akt'yubinsk region. K. A. Li. Trudy Inst. nefti AN Kazakh. SSSR 4:73-79 '61.

AKTYUBINSK REGION—PETROLEUM GEOLOGY

Geology, and oil and gas potentials of anticlinal folds in the Akt'yubinsk region. K. A. Li. Trudy Inst. nefti AN Kazakh. SSSR 4:73-79 '61.

ALA-TAU, DZUNGARIAN see Dzungarian Ala-Tau

ALA-TAU, KUZNETSK see Kuznetsk Ala-Tau

ALA-TAU, TALAS see Talas Ala-Tau

ALAGIR—POLITICS AND GOVERNMENT

New methods of effective work. I. Kocherga. Sov. deput. trud. no. 4:21-24 Ap '63.

ALANINE

Neodymium hydroxyoxoglycinate and hydroxyoxoalaninate. O. E. Zvingintsev, E. V. Goncharov. Zhur. neorg. khim. 8 no. 3:768-770 Mr '63.

ALASHEYEV BIGHT—SEA ICE

Brief characterization of the ice conditions of Alasheyev Bight. V. A. Shamont'ev. Inform. biul. Sov. antark. eksp. no. 37:20-24 '62.

ALBUMIN

Chromatographic investigation of egg and serum albumins and chymotrypsinogen in columns with hydroxylapatite [with summary in English]. O. S. Tsyperovych, I. P. Halych. Ukr. biokhim. zhur. 34 no. 5:668-677 '62.

Diffusion of antibiotics of the albumen envelope of bird eggs into agar media. N. A. Movchan. Nauch. dokl. vys. shkoly; biol. nauki no. 2:49-52 '63.

ALCOHOL—THERAPEUTIC USE

Treatment of trigeminal nerve neuralgia by alcoholization of its peripheral branches. A. A. Akhmedov. Azerb. med. zhur. no. 2:55-60 F '62.

ALCOHOLISM

Alcoholism and diseases of the digestive organs. M. S. Shur. Med. sestra 21 no. 12:27-31 D '62.

Changes in kinesthesia in patients suffering from chronic alcoholism and their dynamics under the influence of an alcoholic load. N. P. Mogilina. Probl. sud. psikh. no. 12:161-168 '62.

Changes in neurovascular regulation under the influence of small doses of alcohol in persons suffering from chronic alcoholism. V. P. Kotov. Probl. sud. psikh. no. 12:123-130 '62.

Changes in the nervous system in alcoholism. N. K. Bogolepov, A. A. Rastvorova, T. A. Luzhetskaia. Probl. sud. psikh. no. 12:139-152 '62.

Characteristics of the alcohol content in the blood of persons suffering from chronic alcoholism following the intake of small doses of alcohol. Z. G. Turova. Probl. sud. psikh. no. 12:153-160 '62.

Clinical aspect of pathological intoxication. V. E. Rozhnov. Probl. sud. psikh. no. 12:8-24 '62.

Clinical aspects and forensic psychiatric evaluation of protracted alcoholic paranoia. V. V. Anuchin. Probl. sud. psikh. no. 12:59-71 '62.

Course of chronic alcoholism in patients with brain traumas and its forensic psychiatric importance. I. V. Strelnichuk. Probl. sud. psikh. no. 12:95-107 '62.

Determination of alcoholic intoxication. A. N. Zimin. Probl. sud. psikh. no. 12:202-207 '62.

Differential diagnosis of pathological intoxication. V. E. Rozhnov, Z. G. Turova. Probl. sud. psikh. no. 12:33-39 '62.

Difficulty of defining in alcoholics the borderline between superstition and psychoses of alcoholic delirium. L. N. Zemakov. Probl. sud. psikh. no. 12:116-122 '62.

Forensic psychiatric evaluation of the development of paranoid delirium provoked by jealousy. A. F. Moskvicheva. Prak. sudebnopsikh. ekspert. no. 5:29-35 '61.

Kandinskii's syndrome in chronic alcoholism; clinical observations. A. N. Pokrovskii. Probl. sud. psikh. no. 12:72-84 '62.

Notions of jealousy in chronic alcoholism and their forensic psychiatric evaluation. A. F. Moskvicheva. Probl. sud. psikh. no. 12:85-94 '62.

Pathomorphological studies of the nervous system in alcoholism. IU. K. Kleiskii. Probl. sud. psikh. no. 12:194-201 '62.

Role of alcoholic intoxication in the detection of schizophrenic symptoms. G. D. Zaborin. Probl. sud. psikh. no. 12:108-115 '62.

Role of psychogenic moments in plain alcoholic intoxication. L. A. Pastushenko. Probl. sud. psikh. no. 12:46-58 '62.

Some neurodynamic changes under the influence of small doses of alcohol in chronic alcoholism. R. E. Gal'perina. Probl. sud. psikh. no. 12:131-138 '62.

ALCOHOLISM—TREATMENT

Role of the educational factor in the treatment of alcoholism. I. I. Lukomskii. Probl. sud. psikh. no. 12:169-174 '62.

Treatment of alcoholic psychoses by means of adenosine triphosphoric acid and some characteristics of their pathogenesis. K. V. Mosketi. Probl. sud. psikh. no. 12:175-180 '62.

ALCOHOLISM AND CRIME

Alcoholic intoxication and its legal evaluation. IA. M. Kalashnik. Probl. sud. psikh. no. 12:25-32 '62.

Diagnosis of pathological alcoholism. A. S. Kiselev. Prak. sudebnopsikh. ekspert. no. 5:78-82 '61.

Possibility of a conversion of plain alcoholic intoxication into a pathological state. A. K. Kachaev. Probl. sud. psikh. no. 12:40-45 '62.

Some difficulties in the diagnosis of simple alcoholic intoxication. A. K. Kachaev. Prak. sudebnopsikh. no. 5:70-77 '61.

ALCOHOLS

Alkylation of aromatic compounds by alcohols. Part 19: Reaction of 1-heptanol, 1-octanol, 1-nonanol, 1-decanol, and 1-hexadecanol with benzene. G. Kh. Khakimov, I. P. Tsukervanik. Uzb. khim. zhur. 7 no. 1:76-80 '63.

Composition of alcohols obtained in liquid phase oxidation of naphthene hydrocarbons. A. N. Bashkirov, A. I. Kistanova. Dokl. AN SSSR 148 no. 4:828-831 F '63.

Effect of the molecular weight of higher fatty acids on the capacity of being reduced to alcohols. V. V. Veselov, F. V. Linchevskii, V. I. Morina. Khim. i tekhn. topl. i masel. 8 no. 3:11-15 Mr '63.

Masking effect of some polyatomic alcohols of the aliphatic series on metal precipitation reactions. I. V. Platinitskii, A. Kh. Klibus. Ukr. khim. zhur. 29 no. 3:245-251 '63.

Obtaining higher unsaturated alcohols by the method of selective hydrogenation of whale oil. I. M. Tovbin and others. Masl. zhur. prom. 29 no. 3:18-21 Mr '63.

Photocolorimetric determining of higher alcohols in cognac distillates. B. V. Lipis, Z. A. Mamakova. Trudy MNIPP 2:31-36 '62.

Reaction of polyalkylcyclosilazanes with alcohols. M. M. Morgunova, D. IA. Zhinkink, M. V. Sobolevskii. Plast. massy no. 4:23-24 '63.

ALDAN PLATEAU—PEGMATITES

Alkali pegmatites of the Konderskiy massif. G. V. Andreiev. Trudy BKNII no. 7:88-99 '61.

ALDEHYDES

Detection of steroids and triterpenoids by means of aldehydes [with summary in English]. V. D. Ponomarev. Zhur. anal. khim. 18 no. 1:137-140 Ja '63.

Determination of aldehydes in the presence of ketones [with summary in English]. L. N. Petrova, A. B. Skvortsova, E. N. Novikova. Zhur. anal. khim. 18 no. 1:131-136 Ja '63.

Reduction of carboxylic esters to aldehydes by diisobutylaluminum hydride. L. I. Zakharkin, I. M. Khorlina. Izv. AN SSSR. Otd. khim. nauk no. 2:318-319 F '63.

Structure and transformations of the condensation products of N-(1-hydroxyimino)-1,2,3,4-tetrahydronaphthyl-2)-hydroxylamine with aldehydes. V. A. Koptug, L. B. Volodarskii. Zhur. VKIIO 8 no. 1:112-113 '63.

Volatile aldehydes in the extracts of black tea [translated from the English]. E. Roberts, D. Rastidzh. Biokhim. chain. protzv. no. 9:182-184 '62.

ALDOLASE

Diagnostic importance of determining the activity of aldolase in patients with Botkin's disease. V. M. Sukharev. Vrach. delo no. 3:143-144 Mr '63.

ALEKSANDROV, ALEKSANDR VASIL'EVICH, 1883-1946

Singer of courage. Mikhail Aleksandrov. Ogonek 41 no. 18:26-27 Ap '63.

ALEKSANDROV, ANATOLI PETROVICH, 1903-

Academicien A. P. Aleksandrov; on his 60th birthday. Vest. AN SSSR 33 no. 4:99 Ap '63.

ALEKSEYEVKA DISTRICT (BELGOROD PROVINCE)—

ROTATION OF CROPS

Results of the first year of row crop rotation. I. Kurbatov. Ekon. sel'khoz. 34 no. 3:78-80 Mr '63.

ALEKSI, Patriarch of Russia, 1877-

Celebration of the name day of His Holiness Patriarch Aleksi. I. Makeev. Zhur. Mosk. Patr. no. 3:9 Mr '63.

ALEXANDER NEVSKI, Saint, 1218-1283

Kiepin, N. A. [Grand Duke Alexander Nevski; Saint and true believer] Sviatoi i blagovernyi Veliki kniaz' Aleksandr Nevskii. Paris, YMCA-Press [1961?] 202 p. (NNC)

ALEXANDRA LAND—BIRDS

Birds of Alexandra Land. V. IA. Parovshchikov. Ornithologia no. 4:7-10 '62.

ALGAE

(see also subdivision under Balkal, Lake; Lenin-grad Province)

Barashkov, G. K. [Chemistry of the algae] Khimika vodorostei. Moskva, Izd-vo Akad. nauk SSSR, 1963, 141 p.

ALGAE—CULTURES AND CULTURE MEDIA

Comparative study on the productivity of various forms of unicellular algae [with summary in English]. M. G. Vladimirova, V. E. Semenenko, A. A. Nichiporovich. Probl. kosm. biol. 2:314-325 '62.

Some principles of the intensification of the photosynthetic productivity of some cultures of unicellular algae [with summary in English]. V. E. Semenenko, M. G. Vladimirova, A. A. Nichiporovich. Probl. kosm. biol. 2:326-339 '62.

ALGAE, FOSSIL see subdivision under Moldavia

ALGEBRA

Completion of categories by free and direct unions of objects. M. S. Tsalenko. Mat. sbor. 60 no. 2:235-256. F '63.

ALGEBRA—STUDY AND TEACHING

Computation of the volume of a figure with the help of Simpson's formula. I. S. Klimov. Mat. v shkole no. 2: 30-33 Mr-Apr '63.

Elementary proof of Simpson's rule. I. A. Marnianskii. Mat. v shkole no. 2:28-30 Mr-Apr '63.

Elements of vector algebra in secondary schools. I. V. Baum. Mat. v shkole no. 2:56-59 Mr-Apr '63.

Studying the elements of vector algebra in secondary schools. V. F. Kotov, K. F. Mikhailov. Mat. v shkole no. 2:50-64 Mr-Apr '63.

Studying volumes with the help of Simpson's formula in the 11th grade. V. M. Klopskii. Mat. v shkole no. 2: 33-35 Mr-Apr '63.

Vectors in a high school mathematics course. A. A. Lobeveva. Mat. v shkole no. 2:54-66 Mr-Apr '63.

Working in a boarding school. B. A. Sakharov. Mat. v shkole no. 2:41-44 Mr-Apr '63.

ALGEBRA, UNIVERSAL

Identity systems for algebras. I. I. L'Anov. Probl. kib. no. 8:75-90 '62.

ALGEBRAIC FIELDS see Fields, Algebraic

ALGEBRAIC TOPOLOGY

Some metric properties of algebraic hypersurfaces. E. P. Dolzhenko. Izv. AN SSSR, Ser. mat. 27 no. 2: 241-252 Mr-Apr '63.

Summation of mappings and the center concept in categories. A. Kh. Lifshits. Mat. sbor. 60 no. 2:150-184 F '63.

ALGERIA—POLITICAL CRIMES AND OFFENSES

"Imprisoned fighters" by Henri Alleg. Translated from the French. Reviewed by E. Ivanov. Mol. komm. no. 7:126-128 JI '62.

ALGERIA—RELATIONS (GENERAL) WITH RUSSIA

With open eyes. Sov. pech. no. 3:55 Mr '63.

ALGOL (COMPUTER PROGRAM LANGUAGE)

Iteration method for solving the stability equation. V. L. Zaguskin, A. V. Kharitonov. Zhur. vych. mat. i mat. fiz. 3 no. 2:361-364 Mr-Apr '63.

ALGORITHMS

"Introduction to computer mathematics" [in German] by E. Stiefel. Reviewed by K. A. Semendiaev. Zhur. vych. mat. i mat. fiz. 3 no. 2:410 Mr-Apr '63.

ALIENS

Legal status of aliens in the U. S. S. R. according to new civil law enactments. I. Bilenchuk. Rad. pravo no. 2: 66-71 Mr-Apr '63.

ALIMENTARY CANAL—CANCER

Initial multiple malignant tumors of the gastrointestinal tract. F. P. Nechiporenko, N. G. Poliakov. Klin. khir. no. 5:68-71 My '62.

ALIMENTARY CANAL—DISEASES

Gukasein, A. G. [Gastrointestinal diseases and their prevention] Zheleutochno-kishechnye zabolevaniia i ikh preduprezhdeniia. Moskva, Izd-vo "Znanie," 1963, 55 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 1)

ALIMENTARY CANAL—INNERVATION

Efferent routes of the motor esophageal-enteric reflex. P. H. Bogach. Visnyk Kyiv. un. no. 2, Ser. biol. no. 1: 123-128 '59.

ALIMENTARY CANAL—ULCERS

Importance of vitamin B₁₂ in conservative treatment of ulcers of the stomach and the duodenum in ambulant practice. B. A. Avanesov. Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:83-87 '61.

Lipid function of the liver in a case of stomach and duodenal ulcers. K. S. Tikhonov. Klin. khir. no. 5: 82 My '62.

Mechanism of hexonium action in ulcer cases. S. E. Granovskaya. Vrach. delo no. 3:140-141 Mr '63.

Treatment of gastric and duodenal ulcer with metamlzil; data of a district hospital. A. M. Rozovskii. Sov. med. 26 no. 1:92-94 Ja '63.

Use of the omentum in tamponing perforated gastroduodenal ulcers. M. D. Khelemendik. Klin. khir. no. 5: 82-83 My '62.

ALIMONY

Judicial practice in cases of alimony and the support of children. I. Kidora. Rad. pravo no. 1:74-76 [Ja-F] '58.

ALKALI LANDS see Saline and alkali soils

ALKALI METAL BROMIDES

Melting diagram of the ternary system consisting of lithium, sodium, and potassium bromides. A. S. Arabadzhian, A. G. Bergman. Zhur. neorg. khim. 8 no. 3:720-722 Mr '63.

ALKALI METAL CHLORIDES

Thermal and tensimetric study of the systems formed by tin chloride with alkali metal and ammonium chlorides. Li Ch'i-fa [Li Ch'i-fa], I. S. Morozov. Zhur. neorg. khim. 8 no. 3:708-711 Mr '63.

ALKALI METAL HALIDE CRYSTALS—GROWTH

Absorption and luminescence of divalent samarium in alkali halide single crystals. V. E. Karapetian, B. L. Maksakov, P. P. Feofilov. Opt. i spekt. 14 no. 3: 441-443 Mr '63.

ALKALI METAL HALIDES—ELECTRIC PROPERTIES

Effect of oxygen-containing anion impurities on the electroconductivity of alkali halide crystals. M. V. Pashkovskii, N. A. Tsal', A. D. Tkachuk. 1167-1169 Ap '63.

ALKALI METAL SALTS

Thermal stability of alkali metal and ammonium hexachlorostannates. I. S. Morozov, Li Ch'i-fa [Li Ch'i-fa], Zhur. neorg. khim. 8 no. 3:651-654 Mr '63.

ALKALI METALS—ANALYSIS

Chemico-spectral method for the determination of impurities in alkaline metals [with summary in English]. A. V. Vinogradov, M. I. Dronova, I. I. Korovin. Zhur. anal. khim. 18 no. 1:29-32 Ja '63.

ALKALIES

Complex formation in the systems consisting of phosphoric acid - alkali - sesquioxides. A. E. Kharakoz and others. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:141-147 '62.

Interaction of vaporous hydrogen peroxide with alkaline and alkaline earth metal hydroxides. A. Kh. Mel'nikov, T. P. Firsova. Zhur. neorg. khim. 8 no. 3:560-562 Mr '63.

ALKALINE EARTH HYDROXIDES

Interaction of vaporous hydrogen peroxide with alkaline and alkaline earth metal hydroxides. A. Kh. Mel'nikov, T. P. Firsova. Zhur. neorg. khim. 8 no. 3:560-562 Mr '63.

ALKALOIDS

Effect of sowing dates on the content and composition of alkaloids in blue lupine. N. A. Malsurian, M. M. Edel'shtein, V. K. Kaz'mina. Zemledelie 25 no. 1: 36-44 Ja '63.

ALKENES see Olefins

ALKOXY GROUPS

Microdetermination of alkoxy groups by the Zeisel-Vielbeck modified method [with summary in English]. V. A. Klimova, K. S. Zabrodina. Zhur. anal. khim. 18 no. 1:109-112 Ja '63.

ALKSNIS, IAKOV IVANOVICH, 1897-1937?

Army Commander Alksnis. B. Sterilgov. Kryl. rod. 14 no. 3:12 Mr '63.

ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see Communist Party of the Soviet Union

ALLEG, HENRI

"Imprisoned fighters" by Henri Alleg. Translated from the French. Reviewed by E. Ivanov. Mol. komm. no. 7:126-128 JI '62.

ALLERGY

Abrikosov, A. I. [Allergy and problems of pathology] Allergii i voprosy patologii. Moskva, Izd-vo Akad. nauk SSSR, 1963, 487 p. (ONLM)

Allergic reactivity in chronic tonsillitis. A. A. Mel'nikov. Kaz. med. zhur. no. 5:44-45 S-O '62.

ALLOYS

Expansion of ferrous and nonferrous alloys before shrinkage. N. G. Girshovich, K. P. Lebedev, I. A. Nekhendz. Lit. protv. no. 4:23-28 Ap '63.

Problem of the movement of an impurity during zone melting of a finite ingot solved by means of an electronic computer. A. N. Kirgintsev, V. D. Kudrin, K. N. Kudrina. Fiz. tver. tela 5 no. 3:938-941 Mr '63.

ALLOYS—ELECTRIC PROPERTIES

Theory of the electric resistance of alloys with periodically changing constitution and degree of long-range order. I. D. Kolomoets, A. A. Smirnov. Fiz. met. i metalloved. 15 no. 3:321-328 Mr '63.

ALLOYS—MAGNETIC PROPERTIES

Superconductivity in inhomogeneous paramagnetic materials and high critical fields of alloys. S. V. Vonskovskii, M. S. Svirskii. Fiz. met. i metalloved. 15 no. 2: 318-320 F '63.

ALLOYS—METALLOGRAPHY

Rapid method of selecting one-phase alloys with satisfactory weldability and heat resistance. B. A. Movchan, I. A. Dzykovich. Avtom. svar. 18 no. 2:34-40 F '63.

ALLOYS—TESTING

Mechanical properties of statically and dynamically deformed alloys. M. A. Krishak and others. Fiz. met. i metalloved. 15 no. 2:305-309 F '63.

ALLUVIUM

(see also subdivision under Amu Darya Valley; Caspian Sea; Gagra region)
Results of studies of alluvium on one side of dikes. N. T. Iakovleva. Gidr. stroi. 33 no. 4:21-26 Ap '63.

ALMA-ATA—COOPERATIVE SOCIETIES

The bitter results of unpreparedness. S. Khamisla, A. Artsishevskii. Koop. Kazakh. 5 no. 12:48-50 D '62.

ALMA-ATA—MEAT INDUSTRY

Alma-Ata Meat Combine during the years of the seven-year plan. S. Bellaev, M. Geroeva. Mias. ind. SSSR 33 [i.e. 34] no. 2:28-29 '63.

ALMA-ATA—STORE FIXTURES—TECHNOLOGICAL INNOVATIONS

Store fixtures for the village. S. Khamisla. Koop. Kazakh. 5 no. 11:43-45 N '62.

ALMA-ATA—ULTRAVIOLET RAYS—THERAPEUTIC USE

Factory heliohospital. V. Khabkhov. Okhr. truda i soc. strakh. 6 no. 3:21 Mr '63.

ALMA-ATA PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

A Communist lives in the village. . . . P. Sheherbak. Part. zhizn' Kazakh. 33 no. 3:82-85 Mr '63.

ALMA-ATA PROVINCE—BATHS, MEDICATED

Treatment of gynecological patients at Ayak-Kalkan Mineral Springs. A. S. Sokolova. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:109-117 '62.

Treatment of patients with diseases of the peripheral nervous system at Ayak-Kalkan Springs by using mineral water of natural low temperature and mineral water that has been slightly heated. E. A. Kiliuchikova. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:108-108 '62.

Treatment of patients with joint diseases at the Ayak-Kalkan Mineral Springs. N. A. Iakovleva. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:80-87 '62.

ALMA-ATA PROVINCE—CLIMATE

Climatic characteristics of Ayak-Kalkan Health Resort area. I. A. Afanas'eva. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:76-89 '62.

ALMA-ATA PROVINCE—DEPARTMENT STORES—AUDITING AND INSPECTION

Mutual inspection. A. Larionov. Koop. Kazakh. 5 no. 11:33-34 N '62.

ALMA-ATA PROVINCE—EUCOMMIA

Eucommia (Eucommia ulmoides oliv) as a possible source for obtaining gutta and medicinal raw material. L. F. Belosludova. Trudy Inst. bot. AN Kazakh. SSR 14:63-70 '62.

ALMA-ATA PROVINCE—HEALTH RESORTS, WATER-ING PLACES, ETC.

Climatic characteristics of Ayak-Kalkan Health Resort area. I. A. Afanas'eva. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:76-89 '62.

ALMA-ATA PROVINCE—MINERAL WATERS

Effect of Ayak-Kalkan water on stomach secretion and its use for the treatment of gastritis patients. N. O. Prikhodchenko. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:84-75 '62.

Mineral water resources of Alma-Ata Province. V. I. Dmitrovskii. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:33-46 '62.

ALMA-ATA PROVINCE—PRODUCE TRADE

The bitter results of unpreparedness. S. Khamisla, A. Artsishevskii. Koop. Kazakh. 5 no. 12:48-50 D '62.

ALMA-ATA PROVINCE—SHOE INDUSTRY

Cheap, sturdy and beautiful. B. Muchnik. Koop. Kazakh. 5 no. 11:46-47 N '62.

ALMA-ATA PROVINCE—WHOLESALE TRADE

Warehouses on wheels. Zh. Sadykov. Koop. Kazakh. 5 no. 12:28-30 D '62.

ALMA-ATA REGION—TICKS

Virological study of Ixodes ticks collected in the vicinity of Alma-Ata. N. K. Dmitrienko. Vop. virus. 7 no. 6: 742 N-D '62.

ALMA VALLEY—SANDSTONE

Age and origin of the sandstones of the Kraenaya and Lysaya Hills in the Alma basin (southwestern Crimea) [with summary in English]. N. K. Gorn. Vest. LGU 18 no. 6:128-131 '63.

ALMAATASAN—MINERAL WATERS

Effect of Almaatasan mineral water on the secretory function of the stomach when used internally: experimental study. N. G. Prikhodchenko. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:88-93 '62.

ALMALYK—LEAD INDUSTRY

We congratulate you with high rewards, the heroes and builders of Almalyk! Nar. khoz. Uzb. 5 no. 2:8-9 F '63.

ALMALYK—ZINC INDUSTRY

We congratulate you with high rewards, the heroes and builders of Almalyk! Nar.khoz, Uzb. 5 no. 2:8-9 F '63.

AL'MET'YEVSK—SERVICE INDUSTRIES

"Our service industries are neglected." Sov. deput. trud. no. 4:85-86 Ap '63.

ALPHA RAYS—DECAY

Allowing for superfluid effects in α -decay on the vibration levels of daughter nuclei. M.K.Volkov, T.Veresh. Dokl. AN SSSR 148 no. 4:799-802 F '63.

ALPINE FLORA see subdivision under Anzob Pass; Azerbaijan

ALTAI MOUNTAINS—COBALT

Structural position and mineralogy of ores of the Zagadka (Karagum) cobalt deposit. A.A.Trofimov, Min.syr'te no. 4:51-60 '62.

ALTAI MOUNTAINS—GEOLOGY, STRATIGRAPHIC

"Absolute age of some igneous and metamorphic rocks in the central part of the Altai-Sayan area" by T.N. Ivanova and others. Reviewed by V.A. Blagoravov, G.A. Kudravytsov. Sov.geol. 6 no. 4:159-160 Ap '63.

ALTAI MOUNTAINS—GEOLOGY, STRUCTURAL

Basic problems of the recent tectonics of the south-eastern Altai. E.V.Deviatkin. Biol.Kom. chetv. per. no. 27:72-85 '62.

ALTAI MOUNTAINS—IRON ORES

New data on iron potential in the Rudnyy Altai. A.S. Kelugin. Trudy SNIIGGIMS no.25:109-118 '62.

ALTAI MOUNTAINS—MOUNDS

Possibility of determining relative dates of territorially removed structures by the method of tree-trunk analysis in the Gornyy Altai. I.M.Zamotin, Sov.arkheol. 7 no. 2:131-138 '63.

ALTAI MOUNTAINS—ORE DEPOSITS

Tectonic and paleogeographic factors in complex metal mineralization in the Rudnyy Altai. I.V.Derbikov. Trudy SNIIGGIMS no.25:119-140 '62.

ALTAI MOUNTAINS—TREE RINGS

Possibility of determining relative dates of territorially removed structures by the method of tree-trunk analysis in the Gornyy Altai. I.M.Zamotin, Sov.arkheol. 7 no. 2:131-138 '63.

ALTAI TERRITORY—FARM MECHANIZATION

Line of conduct. V.Rybin. Za rul. 21 no. 3:8-9 Mr '63.

"Migrator birds" are not necessary. L.Zverev. Sol. mekh. no. 1:28 Ja '63.

ALTAI TERRITORY—MEDICINE, RURAL

Specialized medical field trips serving the rural population. G.I.Grossman. Zdrav.Ros.Feder. 7 no. 2:12-15 F '63.

ALTAI TERRITORY—TELEVISION BROADCASTING

In Altai studios. A.Zelenov. Sov.radio i tel. 11 no. 11:18-21 N '62.

ALTERNARIA

Biological method for controlling dodder. O.L.Rudakov. Zashch.rast.oi vred.i bol. 6 no. 6:23-24 Je '61.

ALTITUDE, INFLUENCE OF

Characteristics of the blood of alpine animals. N.N. Bulatova. Trudy Inst. morf. zhiv. no. 41:11-46 '62. Characteristics of the course of some pathological processes under various conditions of acclimatization to a high-mountain region. T.G.Pashaev. Sbor.trud. nauch.-issl.inst.kur.i fiz.metod.lech. no. 3:46-51 '59.

Mechanism of the development of altitudinal tissue emphysema [with summary in English]. E.A.Kovalenko. Probl.kosm.biol. 2:398-406 '62.

ALTYN-TOPKAN—LEAD INDUSTRY—BY-PRODUCTS

Metal and fertilizers tool A.Lomov. Nar.khoz, Uzb. 5 no. 2:22-23 F '63.

ALTYN-TOPKAN—MINES AND MINERAL RESOURCES

Masters of mountain treasures. S.Altmkhodzhaev. Uzbekiston 21 no. 12:4 D '62.

ALTYN-TOPKAN—ZINC INDUSTRY—BY-PRODUCTS

Metal and fertilizers tool A.Lomov. Nar.khoz, Uzb. 5 no. 2:22-23 F '63.

ALUMINOSILICATES

Crystallochemistry and ceramics of aluminosilicates with small size cations. N.A.Toropov. Zhur.VKHO 8 no. 2:122-127 '63.

Polymerization of styrene, vinyl acetate, and methyl methacrylate in the presence of aluminosilicate coatings. I.U.N. Polishchuk, T.P.Kornienko, Z.Z. Vysotskii. Ukr.khim.zhur. 29 no. 3:325-329 '63.

Sarchenko, V.K. [Aluminosilicate catalysts in the light of the modern theory of heterogeneous catalytic processes] Aluminosilikatnye katalizatory v svete sovremennoi teorii geterogenno-kataliticheskikh protsessov. Kiev, Izd-vo Akad.nauk USSR, 1963. 117 p.

ALUMINUM

Aluminum in the wines of Moldavia. V.A.Shmoleva, M.S.Schekunova, E.V.Zobov. Trudy MNIPP 2:37-42 '62.

ALUMINUM—CORROSION

Shreider, A.V., and G.L.Degtlareva. [Corrosion resistance of aluminum and the use of aluminum in various branches of industry; review of practices in foreign countries] Korrozionnaya stolkost' aluminiia i ego primeneniye v razlichnykh otroslyakh promyshlennosti; obzor zarubezhnoi tekhniki. Moskva, Gos. nauchno-issl. in-t nauchn. i tekhn. informatsii, 1962. 62 p. [MICROFILM]

ALUMINUM—METALLURGY

Investigating by means of radioactive isotopes the time length of materials remaining and being mixed in continuous-action autoclave batteries in alumina plants. E.Budoshko, A.Imre, L.Tot. TSvet.met. 36 no. 4: 50-55 Ap '63.

ALUMINUM—WELDING

Revealing the macro- and microstructure of weld joints between steel and aluminum. A.V.Nikitina, V.R.Riabov, D.M.Rabkin. Avtom.svar. 16 no. 4:83-85 Ap '63.

ALUMINUM ALLOYS

Akademii stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Sverdlovsk. [Progressive metal elements for industrial construction] Progressivnye metallicheskie konstruktii dlia promyshlennogo stroitel'stva. [By] V.I.Labzenko i dr. Pod red. V.I.Labzenko i R.S.Florova. Moskva, Gosstroizdat, 1963. 103 p.

Corrosion resistance of the steel elements of ferrous metallurgy enterprises. V.Flaks. Prom.stro.i inzh.soor. 5 no. 2:24-28 Mr-Ap '63.

Korotkov, V.G. [Refinement of cast aluminum alloys] Raffinirovanie litnykh aluminovykh splavov. Moskva, Mashizl, 1963. 125 p.

ALUMINUM ALLOYS—METALLOGRAPHY

Investigating strongly supersaturated Al-V, Al-Mo, and Al-W solid solutions prepared with high rates of cooling. N.I.Varich and others. Fiz.met.i metalloved. 15 no. 2:292-295 F '63.

ALUMINUM CHLORIDE

Synthesis of diethyl aluminum chloride via triethyl aluminum sesquichloride. N.N.Korneev and others. Khim.prom. no. 3:178-180 Mr '63.

ALUMINUM COMPOUNDS

Reduction of carboxylic esters to aldehydes by diisobutylaluminum hydride. L.I.Zakharkin, I.M.Khorlina. Izv. AN SSSR. Old.khim.nauk no. 2:316-319 F '63.

Synthesis of diethyl aluminum chloride via triethyl aluminum sesquichloride. N.N.Korneev and others. Khim.prom. no. 3:178-180 Mr '63.

Synthesis of tri (triphenylsiloxy) sodium polyalumoxane. A.P.Krushkov, L.V.Myskhleeva, D.A.Soboleva. Dokl. AN SSSR 148 no. 4:843-845 F '63.

ALUMINUM-COPPER ALLOYS see Copper-aluminum alloys

ALUMINUM FOUNDED

Manufacture of experimental aluminum alloy welding wire by drawing from the melt. A.I.Ashchenko. Avtom.svar. 16 no. 3:98 Mr '63.

ALUMINUM INDUSTRY see subdivision under Eriyan

ALUMINUM INDUSTRY—SAFETY MEASURES

Alalishvili, B.IA., and G.I.Lovinskii. [Work safety in the aluminum industry] Bezopasnost' truda v aluminolevii promyshlennosti. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 49 p.

ALUMINUM-IRON ALLOYS see Iron-aluminum alloys

ALUMINUM-MAGNESIUM ALLOYS

Secondary electron emission from activated Al-Mg alloys containing a small amount of magnesium and doped with rare earth elements. G.B.Stuchinskii. Fiz. i ver.tela 5 no. 3:798-800 Mr '63.

ALUMINUM-MAGNESIUM ALLOYS—WELDING

Ways of reducing welding deformations in structures of aluminum-magnesium alloys. A.A.Kazimirov, A.I. Nedoseka. Avtom.svar. 16 no. 4:41-49 Ap '63.

ALUMINUM ORGANIC COMPOUNDS

Synthesis of polymers with inorganic chains of molecules. Polyorganosiloxophosphoralumoxanes. K.A.Andrianov, A.A.Kazakova. Plast.massy no. 3:24-26 '63.

ALUMINUM OXIDES—MAGNETIC PROPERTIES

Magnetic susceptibility in the system α -Fe₂O₃ - α -Al₂O₃. IA. V. Vasil'ev, G.A. Shcherbakova. Fiz. i ver.tela 5 no. 4:1090-1093 Ap '63.

ALUMINUM SILICATES

Wear of aluminum silicate refractories in the lining of a rotary cement-roasting kiln. N.V.Hina, Kh. A. Khazanova. Trudy Giprotsement no. 24:92-102 '62.

ALUMINUM SULFATE

Solubility isotherm of aluminum sulfate in water. V.D. Gorbunov, I.G.Druzhinin. Izv. AN Kir.SSR, Ser. est. i tekhn.nauk 4 no. 9:93-99 '62.

Solubility polytherm of the system aluminum sulfate - sodium sulfate - water at the temperature range from 10 to 65°C. I.G.Druzhinin, V.D.Gorbunov. Izv. AN Kir.SSR, Ser. est. i tekhn.nauk 4 no. 9:111-121 '62.

ALUPKA—MUSEUMS

[The Alupka Palace Museum] Alupkinskii dvorets-muzei. [Tekst A.P. Pal'chikovskii]. Simferopol', Krymizdat, 1961. 47 p. (EN)

AMATEUR ART ACTIVITIES see subdivision under Minsk; Turkmenistan; Ukraine

AMATEUR MOTION PICTURES

(see also subdivision under Ukraine)

Amateur motion pictures. A.Mel'kunov. Agitator no. 9:33 My '63.

Revival of the "Heroic feat." Sov.voin 45 no. 3:44 F '63.

AMATEUR MOTION-PICTURES—EQUIPMENT AND SUPPLIES

Conference on the technical equipment of amateur motion-picture studios. Tekh.kino i telev. 7 no. 4:73-74 Ap '63.

Film cutting and editing machine and sound recording apparatus for 16 mm motion-picture films. I.U.S. Moskalenko. Tekh.kino i telev. 7 no. 4:72-73 Ap '63.

AMATEUR RADIO STATIONS

(see also subdivision under Minsk)

Electronics correspondence school; ultrashort wave radio station for 38-40 megacycles per second. IUN. tekhn. 7 no. 2:56-58 F '63.

AMATEUR THEATRICALS

(see also subdivision under Kazakhstan; Kiev; Moscow; Ukraine)

Amateurs from the navy. N.Overina. Sov.voin 45 no. 3:40-41 F '63.

Children take notes at dramatic circles. M.Dot-Evgrafova. Klub 12 no. 2:22-23 F '63.

In search of the new. E.Sobenevskii. Kul't.-pros.rab. 24 no. 2:22-24 F '63.

Keen eyes. Z.Zalenskii. Kul't.-pros.rab. 24 no. 2: 19-22 F '63.

One-hundred fortunate people. B.Evseev. Teatr 24 no. 4:141-143 Ap '63.

They performed in Moscow. Kul't.-pros.rab. 23 no. 11: 11-16 N '62.

Tribune of millions. V.Sisnev. Teatr 24 no. 4:130-133 Ap '63.

Turning to amateur talent activities. G.Vasil'ev. Sov. radio i tel. 11 no. 11:20-21 N '62.

We have been informed. Teatr 24 no. 4:133, 139, 143 Ap '63.

AMBLYGONITE

Additional characteristics of amblygonite group minerals. S.G.Solomkina, G.A.Sidorenko. Min.syr'te no. 6:75-82 '62.

AMBULANCES

Underground ambulances. A.Erin. Izobr.i rats. no. 3: 44-45 '63.

AMERICA—BORON

Orlova, E.V. [Geological conditions in areas of volcanic sedimentary deposits of boron as revealed by the studies of boron-bearing regions in North and South America] Osobennosti geologicheskoi obstanovki vulkanogenno-osadochnykh mestorozhdenii bora na primere boronosnykh provintsi Severnoi i Iuznoi Ameriki. Moskva, 1961. 20 p. (Moscow.Vsesoluznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Otdel nauchno-tekhnicheskoi informatsii, Seriya geologicheskaya, no. 13)

AMIDES

Industrial production of alkylol amides. I.S.Sukhoterlin and others. Masl.-zhir.prom. 20 no. 2:29-32 F '63.

AMINATION

Amination of alkyl phenazinium salts. S.B.Serebrianyi, P.A.Iufa. Ukr.khim.zhur. 29 no. 3:322-325 '63.

AMINES

Electric conductivity of some aminates of trivalent thallium in nitrobenzene solutions. F.IA. Kul'ba and others. Zhur.neorg.khim. 8 no. 3:672-675 Mr '63. Interaction of chlorinated polyethylene with amines and ammonia [with summary in English]. S.A.Adylov and others. Vysokom.socd. 5 no. 3:318-320 Mr '63.

2000

ANTHOCYANIN

Anthocyanins of the bark of fruit crops and their dynamics in a year's time. D. P. Protchenko, K. I. Bohomaz, T. P. Korshuk. *Visnyk Kyiv. un.* no. 3, Ser. biol. no. 1:56-62 '60.

ANTHRACENE CRYSTALS—SPECTRA

Luminescence of anthracene crystals produced by sublimation in an oxygen atmosphere under irradiation. V. L. Zima, A. N. Faidyab. *Opt. i spekt.* 14 no. 3: 371-377 Mr '63.
Spectra and the conditions for the transfer of electron excitation energy in pure and doped anthracene crystals. V. L. Zima, V. M. Korsunskii, A. N. Faidyab. *Izv. AN SSSR. Ser. fiz.* 27 no. 4:519-523 Ap '63.

ANTHRACNOSE

TMTD for controlling anthracnose of cucumber in greenhouses. V. B. Beliaeva, Zashch. rast. ot vred. i bol. 6 no. 11:32 N '61.

ANTHRANILIC ACID

Determining the content in anthranilates of gossypol liberated during its hydrolysis. A. B. Belova, V. P. Rzhikhin. *Masl. - zhir. prom.* 29 no. 3:14-17 Mr '63.
Obtaining gossypol and anthranilic acid with the method of alkaline hydrolysis of gossypol anthranilates. V. P. Rzhikhin, A. B. Belova, M. A. Chudnovskaya. *Masl. - zhir. prom.* 29 no. 2:8-12 F '63.

ANTHRONE

Method of determining inulin and sugar in the blood by means of the anthrone reagent. I. U. E. Vel'tishchev and others. *Lab. delo* 9 no. 3:30-34 Mr '63.

ANTIBIOSIS

Antagonism between yeasts. G. G. Agabekyan, P. F. Ivlev, I. M. Riabchenko. *Trudy KIPP* no. 22:266-273 '61.

ANTIBIOTICS

Antimicrobial characteristics of bromine and iodine derivatives of salicylic acid anilide. M. M. Rotmistrov, H. V. Kulyk, I. O. Vasyleva. *Visnyk Kyiv. un.* no. 2, Ser. biol. no. 1:81-84 '59.
Diffusion of antibiotics of the albumen envelope of bird eggs into agar media. N. A. Movchan, Nauch. dokl. vsh. shkoly; biol. nauki no. 2:49-52 '63.
Effective therapy in dysentery and the degree of sensitivity of the causative agent of the disease to antibiotics. U. G. Ganiev, N. S. Savina. *Sov. med.* 26 no. 1:126-129 Ja '63.

Eidel'shtein, S. I. [Search continues; why scientists are looking for new antibiotics] *Polsk prodolzhaetsia; pochemu uchenye iskhut novye antibiotiki.* Moskva, Izd-vo "Znanie," 1963, 47 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya i meditsina, no. 6)

Importance of microbiological analysis in the treatment of otorhinolaryngological diseases with antibiotic aerosols. E. S. Zhilinskii, S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2: 152-162 '61.

Kokushina, T. M. [Antibiotics and immunity] *Antibiotiki i immunitet.* Leningrad, Medgiz, 1963, 111 p. (DNLM)

Morphological changes in the diaphragm in peritonitis in elderly and senile persons treated with antibiotics. S. M. Lutsenko. *Trudy Kish. gos. med. inst.* 12:8-17 '60.

Side effects and complications in antibiotic treatment. M. D. Dzhavad-Zade. *Med. sestra* 21 no. 10:40-43 O '62.

Side effects of antibiotics in elderly and senile surgical patients. A. M. Aptekareva. *Trudy Kish. gos. med. inst.* 12:23-30 '60.

Treatment of periodontal diseases with antibiotics. L. G. Abramova, R. A. Brodskaya. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:191-196 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

Use of antibiotics in otorhinolaryngology. S. I. Eidel'shtein. *Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:163-170 '61.

ANTIGENS AND ANTIBODIES

Antibodies against homologous heart tissue in the serums of animals immunized by streptococcus [with summary in English]. I. M. Liampert and others. *Vop. revm.* 3 no. 1:3-10 Ja-Mr '63.

Detection of anticardiac autoantibodies in experimental lesions of the heart [with summary in English]. A. M. Monastikov. *Vop. revm.* 3 no. 1:11-17 Ja-Mr '63.

Indicators of antihyaluronidase and antistreptolysin-O in mental patients suffering from rheumatic fever [with summary in English]. S. A. Khurshudian. *Vop. revm.* 3 no. 1:36-47 Ja-Mr '63.

Production of a dry inactivated brain antigen in tick-borne encephalitis for complement fixation reaction. I. U. V. Fedorov, L. A. Burenkova, R. A. Vidlina. *Vop. virus.* 7 no. 6:741 N-D '62.

Use of different virological methods of determining cellular and free antigens of tick-borne encephalitis in a tissue culture during the development of the infection [with summary in English]. A. I. L'vova, N. G. Tlova. *Vop. virus.* 7 no. 6:665-670 N-D '62.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Suchkov. *Lab. delo* 9 no. 3:51-53 Mr '63.

In the State Trust for the Design of Residential and Public Buildings and their Equipment and for the Improvement of Populated Places. *Blud. stroit. tekhn.* 21 no. 4:40-42 Ap '63.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkassk, Redaktsionno-izdatel'skii tsentr NPI, 1962, 74 p.

Novocherkassk. Politekhnicheskii Institut. *Kafedra arkhitektury.* [Types of apartments planned for the third climate region of the U.S.S.R.] *Perspektivnye tipy kvartir dlia tret'ego klimaticeskogo raiona SSR.* Novocherkass

APSHERON PENINSULA—SEISMOLOGY

Seismic microregionalization of the Apsheron Peninsula. F. T. Kuliev. *Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefi* no. 3:105-114 '62.

AQUARIUMS

Information bureau of young naturalists. S. Apanovich. *IUn, nat.* no. 3:19 Mr '63.

ARABIC LANGUAGE—VERB

Character of semantic changes in Arabic verbs with extended roots. V. M. Belkin. *Vop. iaz. i lit.* no. 3: 28-39 '62.

ARABIC STUDIES

The Second All-Union Conference of the Arabists. N. S. Lutskaia. *Vop. ist.* 38 no. 4:95-96 Ap '63.

ARAGON, LOUIS, 1897-

Jabaldi, A. A. [Louis Aragon; his life and works] *Lui Aragon; zhizn' i tvorchestvo.* [Moskva, Sovetskii pisatel', 1962, 338 p. (MIU)]

ARAGVISPIRELI, SHIO, 1867-1926

Outstanding people. Blok, agit. [Gruz.] 19 no. 23:20-30 D '62.

ARAL ISLAND—NATIONAL PARKS AND RESERVES

New reserve in Uzbekistan. O. P. Bogdanov. *Priroda* 52 no. 3:117 '63.

ARAL SEA—DESCRIPTION AND TRAVEL

On the Aral Sea. Iurii Kopeiko. *IUn, nat.* no. 3:13 Mr '63.

ARAMIL' REGION—BARK BEETLES—EXTERMINATION

Pine bark beetle *Aradus cinnamomeus* Panz in the Aramil' Forest Tract, Syser' Forest Working Circle. F. D. Shukova. *Trudy Ural. lesotekh. inst.* no. 17: 102-108 '60.

ARAMIL' REGION—PINE—DISEASES AND PESTS

Pine bark beetle *Aradus cinnamomeus* Panz in the Aramil' Forest Tract, Syser' Forest Working Circle. F. D. Shukova. *Trudy Ural. lesotekh. inst.* no. 17: 102-108 '60.

ARBITRATION, INDUSTRIAL

Role of arbitration in the organization of direct payments. L. Malokotin. *Den. i kred.* 21 no. 4:45-46 Ap '63.

ARBITRATION AND AWARD

(see also subdivision under Ukraine)

Decisions of arbitration agencies. *Rad. pravo* no. 2: 138-140 Mr-Apr '63.

Decisions of arbitration agencies. *Sov. iust.* no. 8: 31-32 Ap '63.

In the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. *Sots. zakon.* 39 no. 7: 87-89 Ji '62.

Objectives of state arbitration agencies arising from the reorganization of the administration of industry and construction. M. Bialik. *Rad. pravo* no. 1:121-125 [Ja-F] '63.

Procedure in the arbitration of transportation claims. V. Ovsienko. *Rad. pravo* no. 3:88-91 My-Je '62.

When the disputes do harm to the Soviet state. IU. Klement'ev. *Sov. iust.* no. 8:111-12 Ap '63.

ARBUZOV REARRANGEMENT see Rearrangements (Chemistry)**ARCADAE, FOSSIL** see subdivision under Mangyshalik Peninsula**ARCAEOCYATHIDAE**

Some problems in the study of the evolution of regular arcaeoicyathids. A. IU. Rozanov. *Paleont. zhur.* no. 1:3-12 '63.

ARCHAEOLOGICAL EXPEDITIONS

Archaeological explorations in the R. S. F. S. R. in 1959. N. K. Lisitsyna. *Krat. soob. Inst. arkheol.* no. 90:77-96 '62.

ARCHAEOLOGICAL RESEARCH

(see also subdivision under Moldavia)
Session of the Academic Council of the State Historical Museum devoted to the results of the archaeological explorations of the museum in 1960-1962. I. Gushchina. *Sov. arkheol.* 7 no. 2:200-201 '63.

ARCHAEOLOGICAL SURVEYING

(see also subdivision under Soviet Central Asia)
Academic sessions. *Soob. Gos. Erm.* no. 23:77 '62.

ARCHAEOLOGY

(see also subdivision Turkmenistan; also subdivision 'Antiquities' under Africa; Balanovo, Chuvashtia; Bolaya Kalitva Valley; Bukovina; Egypt; Kharkov region; Kugurshty; Lepesovka region; Moldavia; Moscow Province; Uzbekistan, Voiga Valley)

Sector of Slavic and Russian Archaeology in 1960. A. K. Ambroz. *Krat. soob. Inst. arkheol.* no. 90:5-9 '62.

"Studies in the history of Russian archaeology" by A. A. Formozov. Reviewed by A. L. Mongait. *Vop. ist.* 38 no. 4:130-132 Ap '63.

Work in Slavic and Russian archaeology. B. A. Rybakov. *Krat. soob. Inst. arkheol.* no. 90:3-5 '62.

Work of the Slavic-Russian archaeology group of the Leningrad Department of History and Archaeology. P. A. Rappoport. *Krat. soob. Inst. arkheol.* no. 90:10-11 '62.

ARCHAEOLOGY—BIBLIOGRAPHY see Bibliography—Archaeology**ARCHAEOLOGY—CONGRESSES**

Joint session of the Department of History of the Academy of Sciences of the U.S.S.R. and the Department of Social Sciences of the Academy of Sciences of the Ukrainian S.S.R. E. N. Simonova. *Krat. soob. Inst. arkheol.* no. 90:97-105 '62.

ARCHAEOLOGY—MAPS see subdivision under Moldavia**ARCHAEOLOGY—METHODOLOGY**

Decoding invisible traces. R. Kologrivov. *Smena* 39 no. 11:10-11 Je '62.

ARCHANGEL—CONSTRUCTION INDUSTRY

Activists went in search. I. Mislavskii. *Sov. profsoyuz* 19 no. 7:18-19 Ap '63.

ARCHANGEL—HARBOR

Prolonging the navigation season of the Archangel harbor. M. I. Iakovlev. *Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota* 7 no. 4:49-55 '62.

ARCHANGEL PROVINCE—COURTS

What are the results of the integration of judicial practice in criminal cases. A. Lashkin. *Sov. iust.* no. 8:21-22 Ap '63.

ARCHANGEL PROVINCE—LUMBERING

Logging operations with the preservation of young growth in the Konosha and Severnyy logging camps. G. L. Tyshkevich, N. I. Vialykh, A. Ia. Lazarev. *Les. khoz.* 16 no. 1:11-13 Ja '63.

ARCHANGEL PROVINCE—STATISTICS

Archangel (Province) Oblastnoe statisticheskoe upravleniye. [National economy of Archangel Province; collection of statistics] Narodnoe khoziaistvo Arkhangel'skoi oblasti; statisticheskii sbornik. Vologda, Gosstatizdat, 1962. 158 p.

ARCHEDA VALLEY—SCARABAEIDAE

Species of scarabs and their distribution in various habitats of the Archeda Forest Working Circle in Volgograd Province. G. G. Gurunov. *Nauch. dokl. vys. shkoly; biol. nauki* no. 2:17-22 '63.

ARCHES

Three-dimensional stability of thin-walled parabolic hingeless arches with horizontal elastic braces. M. S. Torlanik. *Izv. vys. ucheb. zav.; stroit. i arkhit.* 6 no. 3: 10-22 '63.

ARCHITECTURAL ACOUSTICS

Insulation of sound by means of a double wall with an intermediate elastic layer. V. I. Zaborov. *Akust. zhur.* 9 no. 2:182-186 '63.

"Musio, acoustics and architecture" [in English] by L. L. Beranek. Reviewed by V. Furduev. *Akust. zhur.* 9 no. 2:252-254 '63.

ARCHITECTURE

(see also subdivision under Leningrad; London; Moscow)

Brief news. *Arkhit. SSSR* no. 4:60 '63.

"The new style" by A. V. Ikonnikov, G. P. Stepanov. Reviewed by A. K. Barutchev. *Stroi. i arkhit. Len.* 25 no. 4:28 Ap '63.

"Residential, public and industrial buildings" by L. G. Osipov, P. P. Serbinovich, V. E. Krasenski; "Residential, public and industrial buildings" by B. P. Gritsevskii. Reviewed by A. V. Luk'yanov. *Sred. spets. obr.* 10 no. 4:55-56 Ap '63.

ARCHITECTURE—BIBLIOGRAPHY see Bibliography—Architecture

ARCHITECTURE—COMPOSITION, PROPORTION, ETC.
"Optical corrections" in architecture. A. F. Gol'dshein. *Izv. vys. ucheb. zav.; stroit. i arkhit.* 6 no. 3:145-149 '63.

ARCHITECTURE—CONSERVATION AND RESTORATION see subdivision under Azerbaijan**ARCHITECTURE—DESIGN AND PLANS**

(see also subdivision under Erivan; France; Uzbekistan)

Improve planning and designing standards in transportation construction. V. Milen'ki. *Ekon. stroit.* no. 4: 20-25 Ap '63.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Plan of standard designing for 1962 for construction of residential and public buildings] Plan tipovogo proektirovaniia na 1962 g. dlia zhilishchno-grazhdanskogo stroitel'stva. Moskva, Gosstroizdat, 1962. 62 p.

[MICROFILM]

Ways to reduce time for carrying out work in drafting designs and plans. V. Levitskii. *Sots. trud* 8 no. 4: 85-88 Ap '63.

ARCHITECTURE—EXHIBITIONS

I. A. Pomin, P. Kornilov. *Stroi. i arkhit. Len.* 25 no. 4: 27-28 Ap '63.

ARCHITECTURE—MODULAR DESIGN see Modular coordination (Architecture)**ARCHITECTURE—YEARBOOKS**

[Soviet architecture; yearbook for 1960] *Sovetskaya arkhitektura; ezhegodnik* 1960. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1962. 147 p.

ARCHITECTURE, ANCIENT see subdivision under Uzbekistan**ARCHITECTURE, MODERN** see subdivision under Ukraine**ARCHITECTURE, MOHAMMEDAN** see subdivision under Azerbaijan; Khiva; Soviet Central Asia**ARCHITECTURE, MOHAMMEDAN—DETAILS**

Mithrab in the Asht village. S. G. Khmel'nitskii, N. N. Negmatov. *Sov. arkheol.* 7 no. 2:192-202 '63.

ARCHITECTURE AND CLIMATE

"Climatology and geophysics in construction; basic planning principles." *Biul. stroit. tekhn.* 20 no. 4:12-13 Ap '63.

ARCHIVES

Archives will help you... *Sots. obesp.* 24 no. 4:57-59 Ap '63.

ARCTIC OCEAN—FLATFISHES

New data on the distribution of wolffish (*Anarhichas lupus* Linne and *Anarhichas minor* Olafsen) and of the sand dab (*Hippoglossoides platessoides limandoides* Bloch) at the northern shores of Spitzbergen. G. P. Nizovisev. *Dokl. AN SSSR* 149 no. 3:735-737 Mr '63.

ARCTIC OCEAN—WOLF FISH

New data on the distribution of wolffish (*Anarhichas lupus* Linne and *Anarhichas minor* Olafsen) and of the sand dab (*Hippoglossoides platessoides limandoides* Bloch) at the northern shores of Spitzbergen. G. P. Nizovisev. *Dokl. AN SSSR* 149 no. 3:735-737 Mr '63.

ARCTIC REGIONS—ELECTROMAGNETIC PROSPECTING

Using electromagnetic prospecting in permafrost conditions. N. B. Stozharov. *Trudy NIIGA* 132:204-214 '62.

ARCTIC REGIONS—MAGNETIC STORMS

Features of the daily distribution of irregular magnetic disturbances between the geomagnetic and geographic poles in the Arctic. A. P. Nikol'skii. *Geomag. i aer.* 3 no. 1:104-112 Ja-F '63.

ARCTIC REGIONS—MAGNETISM, TERRESTRIAL

Structure and dynamics of magnetic variations in the Arctic and subarctic regions. B. A. Aleksandrov. *Trudy NIIGA* 132:10-20 '62.

Using three stations for recording the variations of a magnetic field. S. M. Kriukov, D. V. Levin. *Trudy NIIGA* 132:163-165 '62.

ARCTIC REGIONS—METEOROLOGY

Obtaining hydrogen for aerological purposes in the Arctic and Antarctic. I. M. Dolgin. *Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota* 7 no. 4:128-133 '62.

ARCTIC REGIONS—METEOROLOGY—OBSERVATIONS

Leningrad. *Arkticheski i antarkicheski nauchno-issledovatel'skii institut.* [Tables of observations performed on the drifting research stations "North Pole-6" and "North Pole-7" in 1958-1959] Materialy nabludenii nauchno-issledovatel'skikh dretfulushchikh stantsii "Severnny polus-6" i "Severnny polus-7" 1958-1959 god. Leningrad, Izd-vo "Morskoi transport," 1962. 627 p. (Iz Trudy, vol. 249)

ARCTIC REGIONS—OCEANOGRAPHY

Oceanographic studies conducted in the Arctic Basin on American atomic submarines. O. V. Kol'man. *Okeanologiya* 3 no. 2:356-362 '63.

ARCTIC REGIONS—SALTS

Mineral acids in Arctic regions. L. D. Miroshnikov. *Priroda* 52 no. 3:78-77 '63.

ARCTIC REGIONS—SEISMIC PROSPECTING

High latitude seismic studies made from the icebreaker "Ermak." IU. G. Kiselev. *Trudy NIIGA* 132:192-199 '62.

ARGALI see subdivision under Ust-Urt**ARGENTINA—FASCISM**

"The last bastion of Nazis in Argentina" [in German] by M. Frank; a book review. *Mir, ekon. i mezhdunar. otn.* no. 4:156 '63.

ARGENTINA—TRADE UNIONS

Islero, Rubens. [The beginning and the development of the trade-union movement in Argentina. Translated from the Spanish] *Voznikovenie i razvitiye profsionnogo dvizheniia v Argentina.* Perevod s ispanakogo i vstup. stat'ia S. S. Gonlonakogo. Moskva, Izd-vo Inostr. lit-ry, 1962. 306 p. (CSI-H)

ARGENTINE ART see Art, Argentine**ARGILLITE** see subdivision under Aktyubinsk region

- ARITHMETIC**
Drabkina, M.E. [Fundamentals of arithmetic]
Osnovaniia arifmetiki. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1982. 208 p.
- ARITHMETIC—AUDIO-VISUAL AIDS**
Arithmetic cash register. E.I. Tolochko. Nach. shkola 31 no. 2:76-77 F '63.
Teaching aids out of film. L.T. Knysh. Nach. shkola 31 no. 2:73-75 F '63.
Visual aids for oral counting. S.I. Teplov. Nach. shkola 31 no. 2:75-76 F '63.
Visual aids in arithmetic lessons. R.P. Belonozhkina. Nach. shkola 31 no. 2:42-44 F '63.
- ARITHMETIC—PROBLEMS, EXERCISES, ETC.**
Material for checking the oral count skills in grades 1-4. Nach. shkola 31 no. 3:90-92 Mr '63.
"One hundred simple but difficult arithmetical problems" by W. Sierpinski. Reviewed by I.B. Veltsman. Mat. v shkole no. 2:78-80 Mr-Apr '63.
Studying the problems with proportional quantities. P.M. Erdniev, M.I. Moro. Nach. shkola 31 no. 3:74-80 Mr '63.
- ARITHMETIC—STUDY AND TEACHING**
Formation of geometrical concepts. A.F. Govorkova. Nach. shkola 31 no. 2:37-42 F '63.
Urgent problems in teaching arithmetic. A.S. Pchelko. Nach. shkola 31 no. 3:67-74 Mr '63.
Without homework. I. Stepanova. Shkola-int. no. 2: 35-36 Mr-Apr '63.
- ARMAVIR—FLOUR AND FEED TRADE—ACCOUNTING**
Economic accountability at industrial sections. G. Silchenko, Z. Chukhar'ko. Muk. -elev. prom. 29 no. 1: 11-12 Ja '63.
- ARMAVIR—MEDICAL SOCIETIES**
Formation and coordination of the activity of the individual interdistrict scientific medical societies. N.A. Gavrikov and others. Sov. zdrav. 22 no. 4:103-104 '63.
- ARMED FORCES** see subdivision under Russia
- ARMENIA—ADMINISTRATIVE ECONOMIC COUNCILS**
In the Armenian Economic Council. Prom. Arm. 6 no. 1:68-69 Ja '63.
- ARMENIA—ASHES, TUFFS, ETC.**
Separation of natural light fillers. M. Kurginian. Prom. Arm. 6 no. 1:57-60 Ja '63.
- ARMENIA—BUILDING MATERIALS**
Norms for planning the consumption of local building materials. R. Balagian, M. Malkhasian. Prom. Arm. 6 no. 1:23-25 Ja '63.
- ARMENIA—CENSUS**
Russia (1923- U.S.S.R.) Tsentral'noe statisticheskoe upravlenie. [Results of the 1959 all-Union population census; the Armenian S.S.R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda. Armianskai SSR. Moskva, Gosstatizdat, 1963. 116 p.
- ARMENIA—CERATITIDAE, FOSSIL**
New genus Nautilus of Late Triassic Ceratites in the Armenian S.S.R. L.D. Kiparisova, N.R. Azarian. Paleont. zhur. no. 1:53-57 '63.
- ARMENIA—CHEMICAL INDUSTRIES**
Improve the supply of chemical materials to Armenian industry. I.A. Mikhailovskii. Prom. Arm. 6 no. 1: 15-17 Ja '63.
- ARMENIA—COMMUNITY CENTERS**
With a thought about the harvest. R. Karibian. Klub 12 no. 10:29-31 O '62.
- ARMENIA—CONSERVATION OF NATURAL RESOURCES**
Example of Armenia. Kh. P. Mirmanian. Priroda 52 no. 3:62-64 '63.
- ARMENIA—ECONOMIC CONDITIONS**
Classification of industrial enterprises of the Armenian Economic Council according to the fulfillment of the gross output production plan in 1962. Prom. Arm. 6 no. 1:
Fulfillment of the gross-output production plan and the development rate of the industry of the Armenian Economic Council according to branch administrations in 1962. Prom. Arm. 6 no. 1:3 Ja '63.
Fulfillment of the production plan for the most important kinds of industrial products by the enterprises of the Armenian Economic Council in 1962. Prom. Arm. 6 no. 1:3-4 Ja '63.
- ARMENIA—ECONOMIC POLICY**
For further reduction of planned losses. Prom. Arm. 6 no. 1:8-9 Ja '63.
- ARMENIA—FIRES AND FIRE PREVENTION**
Working today better than yesterday. A. Martirosian. Pozh. delo 9 no. 4:30 Ap '63.
- ARMENIA—FOOD RESEARCH**
Central Scientific Research Laboratory of the Administration of the Meat and Dairy Industry of the Armenian Economic Council. R. Akopova. Mias. ind. SSSR 33 [i.e. 34] no. 2:15-16 '63.
- ARMENIA—FOUNDRIES—TECHNOLOGICAL INNOVATIONS**
Mechanization of the melting department of a foundry. Kh. Ambartsumian. Prom. Arm. 6 no. 1:26-28 Ja '63.
- ARMENIA—GEOCHEMICAL PROSPECTING**
Role of geochemical landforms in hydrochemical prospecting for ore deposits as revealed by ore deposits in northern Armenia. S.R. Krainov. Vop. gidrogeol. i inzh. geol. no. 20:111-116 '62.
- ARMENIA—INSTRUMENT INDUSTRY**
Centralize the Armenian Instrument Industry. G. Isahbekian. Prom. Arm. 6 no. 1:19-21 Ja '63.
Conferences, meetings, seminars. Prom. Arm. 6 no. 1:61-63 Ja '63.
- ARMENIA—LABOR PRODUCTIVITY**
Fulfillment of the labor productivity plan in Armenian industry. Prom. Arm. 6 no. 1:5 Ja '63.
- ARMENIA—LIGHTWEIGHT CONCRETE**
Efficient use of light fillers in the Armenian S.S.R. Z. Atagoritsian and others. Prom. Arm. 6 no. 1:10-14 Ja '63.
- ARMENIA—MOTOR VEHICLES—SOCIETIES, ETC.**
Without rudder and sail. N. Vasil'ev. Za rul. 21 no. 2: 9 F '63.
- ARMENIA—POULTRY**
Karapetian, S.K. [Biological principles underlying the increase of productivity and ways for the intensification of poultry raising in the Armenian S.S.R.] Biologicheskie osnovy povysheniia produktivnosti i puti intensifikatsii ptitsevodstva v Armianskoi SSR, Erevan, Armel'khogiz, 1962. 405 p.
- ARMENIA—RESEARCH, INDUSTRIAL**
In the Republican House of Technology. Prom. Arm. 6 no. 1:69-70 Ja '63.
- ARMENIA—REVOLUTION, 1917-1921**
Agalian, T.S.P. [The Great October Revolution and the struggle of the workers of Armenia for the victory of the Soviet regime] Velikii Oktabr' i bor'ba trudnashchikstva Armenii za pobedu Sovetskoi vlasti. Erevan, Izd-vo AN Armianskoi SSR, 1962. 447 p.
Boglian, A.Z. [Establishment and consolidation of the sovereign Armenian state] Obozrazovanie i uprocheniie suverennogo Sovetskogo Armianskogo gosudarstva. Pod red. N.P. Farberova. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 265 p.
- ARMENIA—TECHNOLOGICAL INNOVATIONS**
Brief news. Prom. Arm. 6 no. 1:73 Ja '63.
- ARMENIA—THEATER**
I like this tradition. Varian Adzhemian. Teatr 24 no. 4:3-4 Ap '63.
- ARMENIA—TRANSPORTATION**
Regulate transportation conditions. E. Abramian. Prom. Arm. 6 no. 1:17-19 Ja '63.
- ARMENIA—TRANSPORTATION, AUTOMOTIVE**
Organization of passenger transportation in the Armenian S.S.R. A. Agababov. Avt. transp. 4 no. 8:9-11 Ag '62.
- ARMENIA—VOLCANIC ASH, TUFF, ETC.**
Using blasting techniques in recovering building tuffs. G. Tumanov, L. Khazarian. Prom. Arm. 6 no. 1:50-53 Ja '63.
- ARMENIA—YOUTH**
Soviet youth in Armenian literature. Leon Mikirtshian. Mat. i sob. issl. old. inst. po izuch. SSSR no. 38/39: 108-112 O-N '62.
- ARMENIAN LITERATURE—HISTORY AND CRITICISM**
"On Armenian literature and art" by Marietta Shaginian. Reviewed by L. Arutunov. Vop. lit. 7 no. 2:206-210 F '63.
Soviet youth in Armenian literature. Leon Mikirtshian. Mat. i sob. issl. old. inst. po izuch. SSSR no. 38/39: 108-112 O-N '62.
- ARMENIANS** see subdivision under Ukraine
- ARMIES** see subdivision under 'Army' under Russia
- ARMIES—MOTORIZATION** see Motorization, Military
- AROMATIC COMPOUNDS**
Perchloric acid and its compounds as catalysts in organic synthesis. Part 8: Catalytic acylation of aromatic compounds by acid chlorides in the presence of perchloric acid. G.N. Dorofenko, L.V. Dulenko, V.I. Dulenko. Ukr. khim. zhur. 29 no. 3:314-317 '63.
- AROMATIC COMPOUNDS—SPECTRA**
Application of a universal relation to the structural spectra of fluorescence and absorption of vapors of aromatic molecules. V.V. Gruzinski. Izv. AN SSSR. Ser. fiz. 27 no. 4:580-583 Ap '63.
- AROMATIC PLANTS**
The 50th anniversary of the All-Union Research Institute of Oilseed and Aromatic Crops. Zemledelie 25 no. 1: 3-13 Ja '63.
- AROMATIZATION**
Catalytic isomerization and aromatization of higher alkanes. N.G. Bekauri, T.S. Shakarashvili. Trudy Inst. khim. AN Gruz. SSR 10:57-65 '62.
- ARRHYTHMIA**
Mechanism of the formation of paroxysmal tachycardia and a form of cardiac fibrillation resembling an attack. I.U. I. Flahzon-Ryas, I.M. Kaevitsker, N.A. Zorin. Trudy MONIKI no. 5:237-242 '62.
- ARSENATO**
Advances in the use of reagents of the group arsenazo-thoron in analytical chemistry. S.B. Savvin. (Isp. khim. 32 no. 2:195-210 F '63.
Analytical application of dibromoarsenazo 2. Determination of thorium in the presence of rare earths (with summary in English). S.B. Savvin, N.N. Banaargin, V.P. Makarova. Zhur. anal. khim. 18 no. 1:81-85 Ja '63.
Reaction of hexavalent uranium with arsenazo III in strongly acid solutions (with summary in English). A.A. Nemodruk, L.P. Glukhova. Zhur. anal. khim. 18 no. 1: 93-98 Ja '63.
Spectrophotometric investigation of the formation of niobium compounds with the arsenazo reagent. V.I. Kornilova, T.N. Nazarchuk. Ukr. khim. zhur. 29 no. 3:330-335 '63.
- ARSENIC IN THE BODY**
Specific effect of arsenite on some metabolic reactions. M.A. Guberniev, L.I. Torbochikina. Vest. AMN SSSR 17 no. 12:71-81 '62.
- ARSLANOV, KINZIA**
Kinzia Arslanov, an outstanding associate of Pugachev. A.N. Usmanov. Ist. zap. no. 7:113-133 '62.
- ARSON**
Investigation of an arson case. B. Iefimchenko. Nad. pravo no. 2:45-46 Mr-Apr '63.
- ART**
"Art and the audience." Reviewed by V. Bogdanovskii, N. Voronov. Iskustvo 26 no. 2:70-74 '63.
Brief news. Iskustvo 26 no. 2:76-80 '63.
Brief notes. Iskustvo 25 no. 12:77-80 '62.
The discussion is being completed... V. Chekaniuk and others. Iskustvo 25 no. 12:7-11 '62.
"History of Russian Art." Vol. 5. Reviewed by A. Mikhailov. Arkhiv. SSSR no. 4:46-48 '63.
The mission of genuine art. N. Tomekil. Kul't. - pros. rab. 24 no. 2:1-2 F '63.
Pushkin, A.S. [On art] Ob iskustve, sost. avtor vstup. starii i kommentarii, G.M. Koka. Moskva, Izd-vo Akad. khudozh. SSSR, 1962. 109 p. (RBP)
- ART—BIBLIOGRAPHY** see Bibliography—Art
- ART—EXHIBITIONS** see subdivision under Leningrad; Moscow
- ART—PERIODICALS**
Looking over foreign periodicals... Iskustvo 25 no. 12:73-77 '62.
Looking over foreign periodicals... Iskustvo 26 no. 2:74-77 '63.
- ART—PHILOSOPHY**
Let's train creative youth in the spirit of high idealism. M.G. Manizer. Vest. vys. shkoly 21 no. 3:45-52 Mr '63.
Paths of the beautiful. E. Zhidkova. Iskustvo 25 no. 12:29-30 '62.
- ART, ABSTRACT**
Mysteries of abstractionism. F. Reshetnikov. Ogonsk 41 no. 16:31-32 Ap '63.
- ART, ARGENTINE**
Art of Argentina. Lilia Guarrero. Iskustvo 26 no. 2: 51-57 '63.
- ART, DECORATIVE** see subdivision under Europe; Japan
- ART, FRENCH—EXHIBITIONS** see subdivision under Moscow
- ART, UZBEK**
The synthesis of art in Uzbekistan. L.I. Rempel'. Obshchestv. nauki v Uz. 7 no. 3:10-26 '63.
- ART AND INDUSTRY**
(see also subdivision under Moscow)
Industrial goods should be attractive (translated from the German). V. Laucka. NTO 5 no. 3:59 Mr '63.
"Technology and Aesthetics" by V. Boletskaya. Reviewed by T. Vvedenskii. Mashinostroi' no. 3:48 Mr '63.
- ART AND MEDICINE** see Medicine and art
- ART GALLERIES AND MUSEUMS** see subdivision under Leningrad
- ART INDUSTRIES** see subdivision under Ukraine; White Russia

ART INDUSTRIES—STUDY AND TEACHING

On the right path; the work of the Moscow Higher School of Applied Art. IU, I. Aralov. Arkh. SSSR no. 4:38-45 '63.

ART SCHOOLS see subdivision under Ufa

ARTEM, pseud. see Sergeev, Fedor Andreevich, 1883-1921

ARTERIES—DISEASES

Immediate and late results of surgical treatment in obliterative endarteritis and senile gangrene. I. V. Kirnichanskii, Trudy Kish. gos. med. inst. 12:97-104 '60.
Treatment of obliterating endarteritis and trophic ulcers of the shin by subcutaneous injection of oxygen in a polyclinic. L. S. Musaellian, Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:120-144 '61.

ARTERIES—SURGERY

Effect of hydrogen sulfide baths on the peripheral blood circulation after reconstructive surgery on the major extremity arteries [with summary in English]. R. M. Origorian and others. Sov. med. 26 no. 1:46-51 Ja '63.

ARTERIOSCLEROSIS

(see also subdivision under Uzbekistan)

Atherosclerotic cardiosclerosis without hypertension and with it. T. A. Zalkina. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:39-44 '61.

Clinical biochemical characteristics of separate phases of atherosclerosis. L. S. Iudanova. Kaz. med. zhur. no. 5:12-14 S-O '62.

Clinical significance of the rate of pulse wave spreading. S. M. Markuze. Kaz. med. zhur. no. 5:18-20 S-O '62.
Cobalt content in the blood of arteriosclerosis patients. A. Kh. Khodzhaev, N. Z. Kochergina. Med. zhur. Uzb. no. 8:8-13 Ag '62.

Comparison of some indices of fat metabolism in atherosclerotic coronary disease [with summary in English]. K. Holdemanis. Izv. AN Latv. SSR no. 2:114-118 '63.
Functional state of adrenal glands, vascular permeability and mucoproteins of the blood in arteriosclerosis [with summary in English]. I. M. Gandzha, B. E. Tartakovskaya, N. I. Kovaleva. Vrach. delo no. 3:34-37 Mr '63.

Hypertension and atherosclerosis. L. P. Pressman. Trudy MONKI no. 5:220-224 '62.

Hypertrophy of the heart in cardiosclerosis caused by chronic coronary insufficiency [with summary in English]. A. A. Liubushin. Kardiologiya 2 no. 3:25-30 My-Je '62.

Morphology of the thebesian vessels of the right ventricle in emphysema of the lungs and atherosclerosis. E. Lashchenko. Izv. AN Latv. SSR no. 2:100-104 '63.
Some characteristics of the geographical distribution and clinical course of atherosclerosis of the coronary vessels in the hot climate of the Torgana Valley [with summary in English]. M. I. A. Laufer. Kardiologiya 2 no. 3:54-70 My-Je '62.
Some pseudofocal symptoms in arteriosclerosis of the brain. V. M. Bleikher. Vrach. delo no. 3:62-65 Mr '63.

ARTHRITIS

Functional state of the kidneys during the treatment of patients with polyarthritides of various etiology in a health resort and outside it; preliminary report. B. A. Aliev. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:69-70 '59.

ARTHRITIS, RHEUMATOID

Bathing patients with rheumatic fever and infectious non-specific polyarthritides in mineral water from the Kuybyshev spring for therapeutic and prophylactic purposes [with summary in English]. O. A. Volkova. Vop. revm. 3 no. 1:53-60 Ja-Mr '63.

Concerning the genesis of muscular atrophy in patients with infectious non-specific polyarthritides [with summary in English]. N. V. Kubitskaya. Vop. revm. 3 no. 1: 61-66 Ja-Mr '63.

Effect of the serums of patients suffering from rheumatism and infectious non-specific polyarthritides on some tissue cultures [with summary in English]. L. T. Piat, L. S. Prilimagi. Vop. revm. 3 no. 1:25-31 Ja-Mr '63.

Rheumatoid factor [with summary in English]. F. Coste. Vop. revm. 1 no. 3:40-45 Ji-S '61.

Specificity of LE cells [with summary in English]. IU, Vakhengeim, S. Valnichek, M. Svolika. Vop. revm. 1 no. 3:21-25 Ji-S '61.

Treatment of rheumatoid arthritis. S. I. Shcherbatenko. Kaz. med. zhur. no. 5:53-54 S-O '62.

ARTHIROPLASTY

Significance of medical gymnastics during the preoperative stage in joint arthroplasty. IU, A. Khairova, I. P. Shevelev. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:19-21 '63.

ARTIFICIAL DIAMONDS see Diamonds, Artificial

ARTIFICIAL FUR see Fur, Artificial

ARTIFICIAL LEATHER see Leather, Artificial

ARTIFICIAL SATELLITES

Effect of micrometeoritic particles on optical surfaces of telescopes beyond the earth's atmosphere. I. D. Karachentsev. Isk. sput. Zem. no. 15:57-65 '63.

Increase of short duration in radiation intensity recorded August 20, 1960, during the flight of the second space-ship-satellite. L. V. Kurnosova, L. A. Bazonov, M. I. Fradkin. Isk. sput. Zem. no. 15:66-70 '63.

Moment of the gravitational forces acting on a satellite. A. I. Lur'e. Prikl. mat. i mekh. 27 no. 2:377-378 Mr-Ap '63.

ARTIFICIAL SATELLITES—TRACKING

Photographic observations of artificial earth satellites. M. A. Lur'e. Priroda 52 no. 4:107-109 '63.

ARTIFICIAL SATELLITES IN METEOROLOGY

Coherent radio-receiving apparatus for recording the difference of Doppler's frequency replacement in radio waves from an artificial earth satellite. IA, L. Al'pert, V. B. Belianskii, A. F. Kutikov. Geomag. i aer. 3 no. 1:157-170 Ja-F '63.

Concentration of electrons in the outer ionosphere based on observations made by the third Soviet artificial satellite. K. Kh. Shmelovskii, P. Klinker, R. Knut. Geomag. i aer. 3 no. 1:25-36 Ja-F '63.

Kondrat'ev, K. IA. [Meteorological satellites] Meteorologicheskie sputniki. Leningrad, Gmlz, 1963. 310 p.

Preliminary results of using the Cosmos artificial satellites in radio studies at coherent frequencies of the structure of the ionosphere. IA, L. Al'pert, V. B. Belianskii, N. A. Mitnikov. Geomag. i aer. 3 no. 1: 10-24 Ja-F '63.

ARTIFICIAL SATELLITES IN TELECOMMUNICATION

Towards international television. Zhen. mira no. 1:31 '63.

ARTIFICIAL STONE see Stone, Artificial

ARTILLERY—PROBLEMS, EXERCISES, ETC.

Andrienko, S. A. [Work of the computer in the artillery] Rabota vychislitel' v artillerii. Moskva, Voenizdat, 1962. 71 p. (Za voenno-tekhnicheskie znanii)

ARTISTS—CORRESPONDENCE, REMINISCENCES, ETC.

Korovin, Konstantin. [Life and works, letters, documents, and reminiscences] Zhizn' i tvorchestvo, pis'ma, dokumenty, vospominaniia. Sost. knigi i avtor monograficheskogo ocherka N. M. Moлева. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 561 p.

ASAF'EV, BORIS VLADIMIROVICH, 1884-1949
Popova, L. S., comp. ["The foundation of Bakhchisarai" by B. V. Asaf'ev] "Bakhchisaraiskii fontan" B. V. Asaf'eva. Pod red. IU, Slonimskogo. Leningrad, Muzygiz, 1962. 58 p. (Sokrovishcha Sovetskogo baletnogo teatra)

ASBESTOS

Röntgenographic study of asbestos. G. A. Sidorenko. Min. syr'e no. 5:110-121 '62.

ASBESTOS FIBERS

Fireproof fibers. IA, I. A. Syn'skii. Ukraina no. 5:32 Mr '63.

ASCORBIC ACID

Effect of ascorbic acid on champagne wine materials. A. S. Vechev, V. M. Loza. Trudy KIPP no. 22:151-161 '61.

Effect of ascorbic acid on the redox potential and quality of the wine in case of its champagneizing with the bottle method. A. S. Vechev, V. M. Loza. Trudy KIPP no. 22: 159-160 '61.

Effect of various forms of mineral fertilizers on the starch and ascorbic acid content of potato tubers [with summary in English]. P. O. Dmytrenko, Zh. T. Holovashchuk. Ukr. biokhim. zhur. 34 no. 6:863-870 '62.

Physiological interaction between vitamins C and P and the hormones of the adrenal cortex. A. F. Shampai, O. M. Ivanuta. Vrach. delo no. 3:29-33 Mr '63.
Role of the adrenal glands in developing interceptive reflexes from the stomach on the ascorbic acid content of the blood and the absorptive capacity of blood proteins. L. I. Mamedova. Dokl. AN Azerb. SSR 18 no. 1: 59-62 '63.

Use of vitamins P and C in stomatological practice. P. P. Limareva. Stomatologiya 41 no. 5:6-9 S-O '62.

ASH (TECHNOLOGY)

Obtaining slag wool from thermal electric plant ashes by electrosmelting. K. E. Gorlainov, G. S. Pozdnia-kova. Stroitel. 9 no. 3:10-12 Mr '63.

ASHES, TUFFS, ETC. see subdivision under Armenia

ASHEVSKIY DISTRICT—AGRICULTURE

Distribution and specialization of agricultural production in Ashveyskiy District, Pskov Province. N. G. Tarasov. Dokl. TSKHA no. 68:133-140 '61.

ASHKHADE—DELHI BOIL

Influence of deratization on the sand fly population of burrows. T. N. Remiannikova, A. B. Karapel'ian, Vop. kraev. paraz. Turk. SSR 3:146-152 '62.

ASHKHADE—DOGS—DISEASES AND PESTS

Study of visceral leishmaniasis in Ashkhabad dogs. Z. P. Kornienko and others. Vop. kraev. paraz. Turk. SSR 3:161-167 '62.

ASHKHADE—FLIES—EXTERMINATION

Resistance of the house fly (*Musca domestica* vicina) to the DDT preparation in Ashkhabad. A. P. Vazhev. Vop. kraev. paraz. Turk. SSR 3:239-242 '62.

ASHKHADE—LEISHMANIASIS

Study of visceral leishmaniasis in Ashkhabad dogs. Z. P. Kornienko and others. Vop. kraev. paraz. Turk. SSR 3:161-167 '62.

ASHKHADE—PAPPATACI FEVER

Eradication of pappataci fever in Ashkhabad. G. A. Pravikov and others. Vop. kraev. paraz. Turk. SSR 3:31-53 '62.

ASHKHADE—RAILROADS—EMPLOYEES

Zavarykin, F. I. [Railroad workers of the Ashkhabad main line during the Great Patriotic War, 1941-1945] Zheleznodorozhnik Ashkhabadskoi magistrali v gody Velikoi Otechestvennoi voyny, 1941-1945 gg. Chardzhou, Turkmenitskii gos. pedagog. in-t im. V. I. Lenina, 1961. 172 p. (MH)

ASHKHADE—SAND FLIES AS CARRIERS OF DISEASE

Influence of deratization on the sand fly population of burrows. T. N. Remiannikova, A. B. Karapel'ian, Vop. kraev. paraz. Turk. SSR 3:146-152 '62.

ASHKHADE—SANITATION

Organization of planned cleaning in the city of Ashkhabad. E. N. Abukova and others. Zdrav. Turk. 7 no. 2:34-37 F '63.

ASHKHADE—WORLD WAR, 1939-1945—TRANSPORTATION

Zavarykin, F. I. [Railroad workers of the Ashkhabad main line during the Great Patriotic War, 1941-1945] Zheleznodorozhnik Ashkhabadskoi magistrali v gody Velikoi Otechestvennoi voyny, 1941-1945 gg. Chardzhou, Turkmenitskii gos. pedagog. in-t im. V. I. Lenina, 1961. 172 p. (MH)

ASIA—BIBLIOGRAPHY

[New Soviet and foreign literature on the countries of the non-Soviet East] Nov. sov. i inostr. lit. po stran. zarub. Vost. nos. 2-3 '63.

ASIA—DESCRIPTION AND TRAVEL

Gourou, Pierre. [Asia. Translated from the French] Azia. Predisl. Konstantina Popova. Moskva, Izd-vo inostr. lit-ry, 1958. 446 p. (Wau)

ASIA—ECONOMIC CONDITIONS

Akademiia nauk SSSR. Institut narodov Azii. [Economic situation of the countries of Asia and Africa in 1960] Ekonomicheskoe polozhenie stran Azii i Afriki v 1960 g. Moskva, Izd-vo Vostochnoi lit-ry, 1962. 595 p. (CSMR)

ASIA—PUBLIC HEALTH

Ways for public health development in the independent countries of Asia and Africa. T. A. Kobakhidze. Zdrav. Ros. Feder. 6 no. 10:27-34 O '62.

ASIA, CENTRAL—COMMERCE—TERMINOLOGY

Some interrelations in the field of Russian and Central Asian commercial terminology. N. B. Baikova. Obshchestv. nauki v Uz. 7 no. 3:45-48 '63.

ASIA, CENTRAL—HISTORY

An uprising of the peoples of Transoxania in the second half of the eighth century. T. Kadyrova. Obshchestv. nauki v Uz. 7 no. 2:36-41 '63.

ASIA, CENTRAL—STONE AGE

Lower paleolithic finds in Central Asia; some results of studies of a Soviet-Mongol expedition. V. E. Larichev. Vest. AN SSSR 33 no. 4:89-94 Ap '63.

ASIA, SOUTHEASTERN—COMMERCE—EUROPE, WESTERN

Southeastern Asia in search for paths of economic development. I. Vasil'ev. Mir, ekon. i mezhdunar. otn. no. 2:78-88 '63.

ASIA, SOUTHEASTERN—ECONOMIC CONDITIONS

"Problems of the industrialization of underdeveloped sovereign Asian countries"; "Agrarian-peasant question in underdeveloped sovereign Asian countries." Reviewed by K. Popov. Mir, ekon. i mezhdunar. otn. no. 2:146-148 '63.

Southeastern Asia in search for paths of economic development. I. Vasil'ev. Mir, ekon. i mezhdunar. otn. no. 2:78-88 '63.

ASIA, SOUTHEASTERN—FOREIGN ECONOMIC RELATIONS—UNITED STATES

Economic aggression of the United States in Southeastern Asia [with English summary in appendix]. L. Klochkovskii. Vnesh. torg. 43 no. 3:10-16 '63.

ASIA, SOUTHEASTERN—HISTORY—PERIODICALS

"Journal of Southeast Asian History," a periodical published in Singapore. V. A. Tiurin. Vop. ist. 38 no. 4:171-175 Ap '63.

ASIA, SOUTHEASTERN—LAND TENURE

"Problems of the industrialization of underdeveloped sovereign Asian countries"; "Agrarian-peasant question in underdeveloped sovereign Asian countries." Reviewed by K. Popov. Mir. ekon. i mezhdunar. otn. no. 2:148-148 '63.

ASIA, SOVIET CENTRAL see Soviet Central Asia

ASKANGEL

Effect of organic acids on the adsorption properties of askangels. S. N. Papushvili, A. L. Batsanadze, M. E. Shishniashvili. Trudy Inst. khim. AN Gruz. SSR 16:117-126 '62.

Effect of some reagents on the structural and mechanical properties of askangel suspensions. I. I. Mikadze. Trudy Inst. khim. AN Gruz. SSR 16:127-132 '62.

Imparting hydrophobic properties to askangel by organic compounds. I. E. Kobakhidze, M. E. Shishniashvili. Trudy Inst. khim. AN Gruz. SSR 16:133-139 '62.

Study of the visco-elastic properties of concentrated askangel suspensions. A. I. Avsarklova, M. E. Shishniashvili. Trudy Inst. khim. AN Gruz. SSR 16:151-158 '62.

ASKINAZII, SAMUIL ISAKOVICH, 1888-1952

In memory of S. I. Askina. Izv. vys. ucheb. zav.; prav. 6 no. 2:172-173 '62.

ASPERGILLUS

Effect of increased temperature and complex enzymatic preparations of Aspergillus oryzae and A. awamori on the heteroenzymatic lactic acid fermentation. G. M. Smirnova. Dokl. AN SSSR 149 no. 3:714-716 Mr '63.

ASPHALT CONCRETE

Rapid check of intermixing in asphalt-concrete mixes. I. U. E. Zolotarev. Avi. dor. 26 no. 2:18-19 F '63.

Simple layout for automating an asphalt-concrete plant. A. G. Zholtok. Avi. dor. 26 no. 4:23-24 Ap '63.

ASPHALT CONCRETE—TESTING

Deformation capacity of asphalt concrete subject to loading and cooling. A. M. Boguslavskii. Avi. dor. 26 no. 4:26-27 Ap '63.

ASPHALT CONCRETE—THERMAL PROPERTIES

Nomograms for heat-engineering calculations in work with a hot asphalt-concrete mix. T. E. Zhebrun. Avi. dor. 26 no. 2:20-21 F '63.

ASSASSINATION see subdivision under Martinique

ASSAULT, CRIMINAL see Rape

ASSEMBLY-LINE METHODS

Automatic machine prepares and fries piroshki. M. Pavliker. Obshchestv. pit. no. 1:34-36 Ja '63.

Characteristics of work organization and some modifications of the conveyor design on small-output production lines. P. I. Kramarov, L. I. A. Khamish, Shvein. prom. no. 1:6-7 Ja-F '63.

Continuous production line for the preparation of fatty glazing. G. N. Korovianskaia. Khleb. i kond. prom. 7 no. 4:27-28 Ap '63.

Continuous production lines for potato processing. A. Vyshelskii. Obshchestv. pit. no. 2:46-50 F '63.

Conveyor line for the processing of waterfowl in poultry plants. V. R. Firlisuk, I. A. L. Samburg. Khar. prom. no. 1:6-15 Ja-Mr '63.

Designing multiple-article continuous lines for simultaneous assembly of small and medium electric equipment. M. M. Bluvshstein, O. I. Grechushkina. Vest. mashinost. 43 no. 4:70-77 Ap '63.

Developing a continuous production line for the receiving and finishing of rug goods. B. E. Fedosenko. Tekst. prom. 23 no. 3:64-67 Mr '63.

Distance-type program control of a continuous line (from "Electrical Times," no. 3 1962). I. A. E. Volkovich. Prom. energ. 18 no. 4:37 Ap '63.

Kozenko, A. B., A. K. Zontov, and V. S. Koptsov. [Automated continuous production line for the manufacture of fiberboards] Avtomatizirovannaya potochnaya liniya dlia proizvodstva fibrolyitovykh plit. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatvayushchei promyshl., 1962. 68 p. [MICROFILM]

Line assembly of the movable parts of electric meters. A. A. Vasil'ev, I. M. Tkalin, M. E. Shishniashvili. Priborostroenie no. 4:21-23 Ap '63.

Mechanization of the conveying of raw materials and semifinished products in the manufacture of halva. M. M. Shekhter. Khleb. i kond. prom. 7 no. 4:23-26 Ap '63.

Mechanization of the intrashop conveying of production in the Ufa Macaroni Factory. R. O. Gimranov. Khleb. i kond. prom. 7 no. 4:31-34 Ap '63.

Some problems in the organization of continuous production lines in clothing factories. N. N. Krongauz, Shvein. prom. no. 1:31-33 Ja-F '63.

ASSUAN DAM see Aswan Dam

ASTHMA

Some diagnostic errors in the treatment and prevention of cardiac asthma. R. B. Volk. Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:64-75 '61.

ASTRAKHAN—BRICK INDUSTRY

Potilyitayn "economizes..." S. Grigor'ev. Okhr. truda i zots. strakh. 6 no. 3:25 Mr '63.

ASTRAKHAN PRESERVE—WATER BIRDS

Quantitative study of the feeding habits of ichthyophagous birds. N. N. Skokova. Ornitologiya no. 4:288-296 '62.

ASTRAKHAN PROVINCE—BROOMRAPE

Some experiments with broomrape. V. A. Lebedeva, A. V. Ershova. Zashch. rast. ot vred. i bol. 6 no. 6: 24-25 Je '61.

ASTRAKHAN PROVINCE—WEED CONTROL

Some experiments with broomrape. V. A. Lebedeva, A. V. Ershova. Zashch. rast. ot vred. i bol. 6 no. 6: 24-25 Je '61.

ASTRIAB, ALEKSANDR MATVEEVICH, 1879-1962

Aleksandr Matveevich Astriab; obituary. B. N. Belyi. Mat. v shkole no. 2:85-86 Mr-Apr '63.

ASTRONAUTICS

Achievements in the study of the cosmos and the atheistic education of students. P. N. Karnitskii. Geog. v shkole 26 no. 2:42-46 Mr-Apr '63.

Astronautics Day. Nar. khoz. Uzb. 5 no. 4:45 Ap '63.

Cradle of astronautics. M. Rebrov. Znaniya ta pratsia no. 2:3-5 F '63.

Glorious anniversary. K. Mikhailov. Agitator no. 14: 17-18 Jl '62.

Soviet achievements in the exploration of outer space [with summary in English, p. 220]. L. P. Borisov, A. M. Sakharov. Vop. ist. 38 no. 4:28-49 Ap '63.

Space flight day. Priroda 52 no. 4:10a-10b '63.

We still have 14 minutes to go. Cosmonaut K. Belarus' 20 no. 4:6-7 Ap '63.

White rocket. N. Prostorov. Sov. voen. 45 no. 3:11-12 F '63.

ASTRONAUTICS—BIBLIOGRAPHY see Bibliography—Astronautics

ASTRONAUTICS—CONGRESSES

Thirteenth Congress of the International Federation of Astronautics. I. V. Milyov. Vest. AN SSSR 33 no. 4: 95 Ap '63.

ASTRONAUTICS—PSYCHOLOGY

Psychological aspects of the reliable work of man in space flight. M. I. Bobneva. Vop. psikhol. 9 no. 2: 173-180 Mr-Apr '63.

Some aspects of the man-and-machine-combination problem in complex regulation systems [with summary in English]. V. G. Denisov. Probl. kosm. biol. 2:54-67 '62.

ASTRONAUTICS—SAFETY MEASURES

When time aims at zero. G. Smirnov. IUn. tekhn. 7 no. 2:30-32 F '63.

ASTRONAUTICS—STUDY AND TEACHING

Club of young astronauts. K. Cherevok. Ogonek 41 no. 15:17 Ap '63.

ASTRONAUTS

Earthly affairs of sky brothers. A. Golikov. IU. Krivono-sov. Ogonek 41 no. 15:16 Ap '63.

Few days before the start. E. Rjabchikov. Smena 39 no. 17:5-6 S '62.

Heroes of our time. S. Borzenko. Kul't. -pros. rab. 23 no. 11:5-8 N '62.

We still have 14 minutes to go. Cosmonaut K. Belarus' 20 no. 4:6-7 Ap '63.

ASTRONAUTS—BIBLIOGRAPHY see Bibliography—Astronauts

ASTRONAUTS—NUTRITION

Nutritional problems in space flights [with summary in English]. A. S. Ushakov, V. P. Bychkov. Probl. kosm. biol. 2:48-53 '62.

ASTRONOMICAL MODELS

Results of hydraulic modeling of lunar ring formations. P. F. Sabaneev. Biol. VAGO no. 33:33-36 '63.

ASTRONOMICAL PHOTOMETRY see Photometry, Astronomical

ASTRONOMY

Shuketova, Z. N. [Starry heavens] Zvezdnoe nebo, [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 188 p.

ASTRONOMY—ABSTRACTS

[Astronomy] Ref. zhur. Astron. no. 5 My '63.

ASTRONOMY—BIBLIOGRAPHY see Bibliography—Astronomy

ASTRONOMY—DICTIONARIES

Trifonova, N. F., and Z. D. Chelkova, comps. [English-Russian astronomical and geophysical dictionary] Anglo-russkii astrofizicheskii slovar'. Pod red. N. F. Ben'kovi, V. A. Bronshten, A. G. Masovich. Moskva, Glav. red. inostr. nauchno-tekhn. slovaroi Fizmatgiz, 1962. 512 p.

ASTRONOMY—OBSERVATIONS

Telescope of "Nauka i zhytiia." I. S. Astapovich and others. Nauka i zhytiia 12 no. 2:32 F '63.

ASTRONOMY—STUDY AND TEACHING

Studying the sun in astronomy lessons. E. P. Levitan. Fiz. v shkole 23 no. 1:27-31 Ja-F '63.

Teaching astronomy in rural schools. M. F. Nazarov. Fiz. v shkole 23 no. 1:65-74 Ja-F '63.

Teaching of astronomy in institutions for higher education. M. M. Dagnev. Biol. VAGO no. 33:45-50 '63.

ASTRONOMY, SPHERICAL AND PRACTICAL

Determining time and latitude with Pulkovo photographic zenith tube. V. A. Naumov. Astron. teir. no. 23:13 D '62.

Solving problems in spherical astronomy by means of cartographic grids. V. G. Chernichin. Biol. VAGO no. 31:29-36 '62.

ASWAN DAM

The Aswan will be finished on schedule. A. Aleksandrov. Az. i Afr. seg. no. 4:28-29 Ap '63.

ATABRINE see Quinacrine

ATHEISM

(see also subdivision under Kazakhstan; Lipetskoye) Akademia nauk SSSR, Muzei istorii, religii i ateizma, [Yearbook of the Museum of the History of Religion and Atheism] Ezhegodnik, Moskva, Izd-vo Akad. nauk SSSR.

Vol. 6. [Criticism of contemporary religious ideology] Kritika sovremennoi religioznoi ideologii. 1962. 480 p.

The atheistic theme. B. Grigorian. Sov. pech. no. 4: 41-42 Ap '63.

Celebration of religious holidays brings nothing but harm. I. Dzidzigiuri. Blok. agit. [Gruz.] 19 no. 23:25-27 D '62.

Dardukh, N. P., and others. [Principles of scientific atheism] Osnovy nauchnogo ateizma. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 380 p.

(InU) Elevating the role of medical workers in the control of religious prejudices. S. I. A. Chikina. Zdrav. Res. Feder. 7 no. 2:3-6 F '63.

Emelian L'vovskii's legacy. V. Chernavskii. Nauka i rel. 4 no. 2:30-43 F '63.

[From darkness to light; an antireligious reader] Ot mraka k svetlu; antireligioznaia kniga dlia chitaniia. Moskva, Gos. izd-vo detskoi lit-ry, 1959. 349 p. (Shkol'nai biblioteka)

(IU) History and theory of atheism. Reviewed by G. Vetrov, Kh. Mamdzhian, E. Sokolov. Polit. samozbr. 7 no. 3: 130-134 Mr '63.

How to study the theme "Our party's struggle for the building of communism in the U.S.S.R. and the complete overcoming of the surviving traces of religion." E. Prokoshina. Komm. Bol. 37 no. 3:51-57 Mr '63.

"Lenin and the problems of atheism" by M. I. Shakhovich. Reviewed by S. V. Iurovskii. Vop. filos. 18 no. 4:148-150 '63.

[Literature in the struggle against religion] Khudozhestvennaya literatura v bor'be s religiei. Izd-vo M-va vysshego, srednego spetsial'nogo professioan'nogo obrazovaniia BSSR, 1962. 174 p.

Meetings on the way. Neighbors. A. Eventov. Kul't. -pros. rab. 23 no. 11:18-20 N '62.

Nauchnaya konferentsiia po probleme kommunistskogo vospitaniia trudniashchikha v period razvernutoi stroitel'stva kommunizma, Novosibirsk, 1961.

[Problems in the theory and practice of scientific atheism] Voprosy teorii i praktiki nauchnogo ateizma. Novosibirsk, Izd-vo Sibirskogo otd-ntia AN SSSR, 1961. 228 p. (Lit. Materialy, no. 2)

(MH) Pamphlet series for the student in the people's university of atheism] Biblioteka shkol'nogo narodnogo universiteta ateizmu. Kyiv, Derzhpolityvdav, 1962. 8 nos. in 1 v.

Tancher, V. K. [Why we propagate atheism] Chomu my propaguemo ateizm.

Tykhon'ko, I. E. H. [Infinite and limitless world... Nestvorenyi, bezmezhnyi, ...]

Dopenchuk, N. P. [Science and religion on the origin of life] Nauka i religia pro pokhodzhennia zhytiia.

Korotkov, M. D. [From ape to man] Vid napy do liudyny.

Prykhod'ko, R. S. [The Orthodox Church is the enemy of science and progress] Pravoslav'ia - vora nauki i progressu.

Telychuk, P. P. [The Vatican in the service of imperialism] Vatikan na sluzhbi imperializmu.

Onyshchenko, O. S. [Futile affairs; how the socialists try to adopt themselves to Soviet life] Marxi namahannia; kak sektanty pryslosoviut'sia do radians'koi diisnosti.

Iampol's'kyi, K. I. [Good and evil; a critical evaluation of religious ethics] Pro dobro i zlo; krytyka religioznoi morali.

ATHEISM (Continued)

Polish theologist on the causes of the loss of faith, Eleonora Syzdek. Nauka i rel. 4 no. 2:44-46 F '63.
"Talks on religion and science." Reviewed by P. Kolonitskii. Kommunist 40 no. 6:122-125 Ap '63.

ATHEISM—BIBLIOGRAPHY see Bibliography—Atheism

ATHEISM—STUDY AND TEACHING

(see also subdivision under Odessa Province; Tartu)

Atheistic training of future teachers. I. I. Ogryzko. Sov. pedagog. 27 no. 4:73-81 Ap '63.

The Campaign goes on. IU, Skrylev. Nar. obr. no. 4:66-71 Ap '63.

For every person! S. Bubnov. Kul't. -pros. rab. 24 no. 2:3-4 F '63.

Formation of the scientific outlook and the atheistic training of students. Sov. pedagog. 27 no. 1:80-95 Ja '63.

Leading people into the wide world; press review. Agitator no. 9:34-35 My '63.

The return. A. Andrianov. Bibliotekar' no. 4:33-34 Ap '63.

What a teacher should read on atheism. A. V. Belov. Prep. ist. v shkole 18 no. 2:113-115 Mr.-Ap '63.

ATHLETIC CLUBS

(see also subdivision under Leningrad)

"Dinamo" is a great force. V. Barov. Ogonek 41 no. 16:28 Ap '63.

ATHLETICS see subdivision under Uzbekistan

ATLANTIC OCEAN—BREAM

Hosefish in the deep-sea areas. G. P. Zakharov. Ryb. khoz. 39 no. 4:12-15 '63.

ATLANTIC OCEAN—CRUSTACEA

Distribution of some commercial crustaceans off the west African coast. N. N. Danilevskii, A. S. Revin, T. E. Saf'ianova. Trudy Azherniro no. 20:57-62 '62.

ATLANTIC OCEAN—HERRING

Some characteristics of the biology of herring in the northwestern Atlantic. I. G. Iudanov. Ryb. khoz. 39 no. 4:7-11 '63.

ATLANTIC OCEAN—HERRING FISHERIES

Herring fisheries in the western Atlantic. I. G. Iudanov. Ryb. khoz. 39 no. 2:14-18 '63.

ATLANTIC OCEAN—LOBSTERS

Search for efficient ways of processing frozen Atlantic crustaceans; lobsters and prawns. V. F. Eri. Trudy Azherniro no. 20:62-63 '62.

ATLANTIC OCEAN—MACKEREL

Distribution of mackerel off the west African coast. N. N. Danilevskii, A. S. Revin. Trudy Azherniro no. 20:48-57 '62.

ATLANTIC OCEAN—MAGNETISM, TERRESTRIAL—SEULAR VARIATION

Depth of the sources of secular variations in the magnetic field in the oceans. M. M. Ivanov. Geomag. i aer. 3 no. 1:140-144 Ja-F '63.

ATLANTIC OCEAN—METEOROLOGY

Hydrometeorological conditions of the commercial fishing areas off the coast of west Africa during the spring and summer of 1960. V. V. Seryi. Trudy Azherniro no. 20:13-11 '62.

ATLANTIC OCEAN—OCEAN BOTTOM

Recent photographs of the bottom of the Atlantic Ocean. A. V. D'In, G. V. Bogorov. Okeanologiya 3 no. 2:346-348 '63.

Some problems of the structure of the bottom of the Atlantic and Indian Oceans based on magnetic data. M. M. Ivanov. Geomag. i aer. 3 no. 1:127-139 Ja-F '63.

ATLANTIC OCEAN—OCEAN CURRENTS

Vertical movement at a zero surface depth in the Atlantic Ocean. V. A. Latun. Okeanologiya 3 no. 2:206-212 '63.

ATLANTIC OCEAN—PHYTOPLANKTON

Some data on the qualitative composition, the quantity and the distribution of phytoplankton off the western shores of Africa in the spring and summer of 1960. I. A. Averina. Trudy Azherniro no. 20:17-24 '62.

ATLANTIC OCEAN—SARDINES

Growth factor and the rate of growth of the *Sardinella aurita* in the Dakar and Takoradi areas. G. N. Nefedov. Trudy Azherniro no. 20:44-48 '62.

Some behavior features of the west African sardinella (*Sardinella aurita*) in the Dakar and Takoradi areas. V. F. Demidov. Trudy Azherniro no. 20:25-44 '62.

ATLANTIC OCEAN—SEA WATER

Hydrometeorological conditions of the commercial fishing areas off the coast of west Africa during the spring and summer of 1960. V. V. Seryi. Trudy Azherniro no. 20:3-11 '62.

ATLANTIC OCEAN—SEA WATER—ANALYSIS

Hydrochemical characteristics of the commercial areas off the coast of west Africa in the spring and summer of 1960. N. M. Bessonov. Trudy Azherniro no. 20:11-16 '62.

ATLANTIC OCEAN—SHRIMPS

Search for efficient ways of processing frozen Atlantic crustaceans; lobsters and prawns. V. F. Eri. Trudy Azherniro no. 20:62-63 '62.

ATLASES—BIBLIOGRAPHY see Bibliography—Atlases

ATMOSPHERE

(see also subdivision under Khabarovsk; Mirnyy Station, Antarctica; Pamirs)

Comparison of tropopause charts compiled according to two different criteria. N. F. Vel'tshchev. Trudy TSIP no. 118:10-21 '62.

Estimation of the effect of nonequilibrium of the atmosphere on the measurement of its structural parameters. A. I. Repnev, A. I. Ivanovskii. Trudy TSO no. 40:67-71 '62.

Nauchnaya konferentsiya po voprosam obshchei tsirkulyatsii atmosfery. Ist. Moscow, 1960. [Transactions of the First Conference on General Atmospheric Circulation, March 14-18, 1960] Trudy. Moskva, Gidrometeoizdat (otdelenie) 1962. 231 p.

[MICROFILM]

Requirements of aviation meteorology for determining the tropopause. N. V. Petrenko. Trudy TSIP no. 118:41-55 '62.

Results of testing a new determination of the tropopause in various geographic areas of the Soviet Union. S. A. Porokhiz. Trudy TSIP no. 118:5-12 '62.

ATMOSPHERE, UPPER

Effect of a recombination of atoms in an instrument on the measurement of the composition and density of upper layers of the atmosphere. A. I. Repnev. Trudy TSO no. 40:77-84 '62.

Height of atmospheric layers distorting the moon's limb. A. N. Demidova, N. V. Bystrova. Astron. tsir. no. 23:126 N '62.

Oil rotational temperature of the upper atmosphere [with summary in English]. L. M. Fishkova. Blul. Abast. astrofiz. obser. no. 20:55-70 '62.

Use of gas kinetic equations in studying the properties of the upper atmosphere. A. I. Ivanovskii. Trudy TSO no. 40:5-68 '62.

ATMOSPHERE, UPPER—ROCKET OBSERVATIONS

High-altitude optical station for atmospheric studies. A. M. Kasatkina. Isk. sput. Zem. no. 15:3-21 '63.

Interpretation of the data of rocket measurements in the upper atmosphere made by means of thermoluminescent phosphor. T. V. Kazachevskaya, G. S. Ivanov-Kholodnyi. Isk. sput. Zem. no. 15:81-84 '63.

Measurements of X-ray and ultraviolet radiations by means of thermoluminescent phosphor $\text{CaSO}_4(\text{Mn})$. T. V. Kazachevskii and others. Isk. sput. Zem. no. 15:71-80 '63.

Results of experiments with three-electrode charged particle traps in the second radiation belt and in the outermost belt of charged particles. K. I. Gringauz and others. Isk. sput. Zem. no. 15:82-97 '63.

Spacial distribution of mass, impulse, and energy currents in a small opening. Trudy TSO no. 40:72-76 '62.

ATMOSPHERIC ELECTRICITY

Horizontal components of the atmospheric electric field near an even underlying surface. Kh. F. Tammot, T. A. Saluvere. Izv. AN SSSR. Ser. geofiz. no. 4:654-656 Ap '63.

ATMOSPHERIC NUCLEATION

Some problems connected with recombination and ionization processes in the earth's atmosphere. A. D. Danilov. Isk. sput. Zem. no. 15:38-43 '63.

ATMOSPHERIC PRESSURE

Effect of solar activity on tropospheric pressure. T. I. Shchuka. Izv. AN SSSR. Ser. geofiz. no. 4:657-659 Ap '63.

ATMOSPHERIC TEMPERATURE

Transformation in the bottom atmospheric layer. G. G. Tsimmerman. Izv. AN Uz. SSR. Ser. fiz. -mat. nauk 7 no. 1:60-78 '63.

ATMOSPHERIC TRANSPARENCY

Calculating relative changes in the atmospheric transparency coefficient during a solar eclipse. B. D. Fomenko. Blul. VAGO no. 33:16-18 '63.

ATOMIC BEAMS

Measurement of the oscillator force of the resonance line of calcium using the method of absorption in the atomic beam. A. I. Odintsov. Opt. i spekt. 14 no. 3:322-329 Mr '63.

ATOMIC BOMB

Goudamit, Samuel. [Also mission. Translated from the English] Missiya "Alos." Moskva, Gos. izd-vo lit-ry v oblasti atomnoi nauki i tekhn. [1962]. 188 p. (IAU)

ATOMIC ENERGY—EXPERIMENTS

Experimental illustration of the discrete character of changes in atomic energy. D. Kh. Rubinshtein. Fiz. v shkole 23 no. 1:39-42 Ja-F '63.

ATOMIC ENERGY RESEARCH

From the history of atomic research in our country. V. S. Emel'yanov. Nauka i zhizn' 30 no. 1:34-35 Ja '63.

ATOMIC ENERGY RESEARCH—PERIODICALS see subdivision under United States

ATOMIC MASS

New international relative atomic masses (atomic weights) for 1963. L. Stozki, Sred. spets. obr. 10 no. 4:59-61 Ap '63.

ATOMIC NUCLEI see Nuclei, Atomic

ATOMIC POWER PLANTS

Kalafati, D. D. [Thermodynamic cycles of atomic electric power plants] Termodinamicheskie tsikly atomnykh elektrostaniy. Moskva, Gosenergoizdat, 1963. 279 p.

ATOMIC SPECTRUM see Spectrum, Atomic

ATOMIC SUBMARINES

(see also subdivision under United States)

A submarine returned to the harbor. N. Belous. Mol. komm. no. 2:59-61 F '63.

ATOMIC WARFARE

American voices for peace; book reviews. G. Gerasimov. Mezhdunar. zhizn' 10 no. 5:131-133 My '63.

The "Bulletin of Atomic Scientists" on the problems of war and peace. IU, Volodin. Mezhdunar. zhizn' 10 no. 5:126-130 My '63.

"Peace and opinion" [in English] by Evan Luard. Reviewed by A. Nekrich. Mezhdunar. zhizn' 10 no. 5:133-135 My '63.

ATOMIC WARFARE (INTERNATIONAL LAW) see

Atomic weapons (international law)

ATOMIC WEAPONS—INTERNATIONAL CONTROL

A conference of Kiev lawyers. Rad. pravo no. 1:153 [Ja-F] '63.

"Nuclear disarmament" by O. V. Bogdanov. Reviewed by S. A. Malinin. Izv. vys. ucheb. zav.; prav. 6 no. 2:157-159 '62.

ATOMIC WEAPONS—TESTING

(see also subdivision under Sahara)

In the name of peace. Agitator no. 15:3-6 Ag '62.

ATOMIC WEAPONS (INTERNATIONAL LAW)

Singh, Nagendra. [Nuclear weapons and international law. Translated from the English] Iadernoe oruzhie i mezhdunarodnoe pravo. Pod red. i s predisl. O. V. Bogdanova. Moskva, Izd-vo inostr. lit-ry, 1961. 350 p. (IAU)

ATOMIC WEAPONS AND DISARMAMENT see subdivision under Great Britain

ATOMIC WEIGHTS

International atomic weights (relative atomic masses) for 1963. Khim. prom. no. 3:168-180 Mr '63.

ATOMIZATION

Kinetics of ultrasonic fog formation. O. K. Eknadostanis. Akust. zhur. 9 no. 2:247-249 '63.

ATOMS

Experimental problems on the topic "D. I. Mendeleev's periodic law and periodic system of elements. Structure of matter." A. S. Moskalenko. Khim. v shkole 10 no. 2:51-55 Mr.-Ap '63.

Komkov, I. P. [Lecture on the mutual influence of atoms in molecules] Teoriya vzaimnogo vliyaniya atomov v molekulakh; lektsiya. Moskva, Mosk. tekhn. logicheskii in-t miasnoi i molochnoi promyshl., 1961. 27 p. [MICROFILM]

ATROPHY, MUSCULAR

Concerning the genesis of muscular atrophy in patients with infectious nonspecific polyarthritis [with summary in English]. N. V. Kublitskaya. Vop. revm. 3 no. 1:61-66 Ja-Mr '63.

Data on the intensity of N15 incorporation into the amide group of the glutamine of skeletal muscle in atrophy of various origin [with summary in English]. H. I. Sytkova, H. P. Trush. Ukr. biokhim. zhur. 34 no. 5:702-714 '62.

ATROPINE

Effect of ultraviolet irradiation and atropine on cholesterol metabolism [with summary in English]. L. K. Finahin. Ukr. biokhim. zhur. 34 no. 5:802-809 '62.

AUDIO-VISUAL EDUCATION

Experimental work in using present-day audio-visual aids in education. A. Gel'mont. Sov. pedagog. 27 no. 4:157-160 Ap '63.

- AUDITING AND INSPECTION**
(see also subdivision under Kishinev; Moscow; Orskhovo-Zuyev; Simferopol; Tatar A.S.S.R.; Ukr'ta District; Ukraine; Uzbekistan; Vinnitsa)
Control in the Lenin way. L. Ozerov. Sov. profsoyuzy 19 no. 7:13-14 Ap '63.
Executive officer's control over payment operations. A. Balashov. Den, i kred. 21 no. 4:54-55 Ap '63.
Lenin's principles of control are put into operation. R. Vinokur, G. Eremaeva, F. Mikheev. Fin. SSSR 37 no. 4:15-25 Ap '63.
Methods for analyzing the report of an industrial enterprise. Fin. SSSR 37 no. 3:77-82 Mr '63.
Mighty weapons of control. Part. zhizn' no. 8:75-77 Ap '63.
"Principles of the economic analysis of the work of enterprises" by M. Rubinov. Reviewed by N. Panfilov, E. Smirnova, L. Khvedchenia. Fin. SSSR 37 no. 4:93-94 Ap '63.
Sixty-five thousand inspectors. N. Savitskii. Mol. komm. no. 2:109-111 F '63.
- AUREOMYCIN**
Causes of the recovery of baby pigs from dyspepsia after a treatment with biomyces. I. I. Orobinskii. Trudy Kras. SKHI 3 no. 1:61-69 '59.
Study of biomyces action in experimental smallpox infection. S. S. Marennikova, E. M. Akatova. Vop. virus. 7 no. 6:743 N-D '62.
Treatment of pulpitis with biomyces in combination with diosmin. A. V. Gramin. Stomatologiya 41 no. 5:91 S-O '62.
- AURORAS**
(see also subdivision under Vostok Station, Antarctica)
Meeting of the Subcommittee of the Association of Geomagnetism and Aeronomy of the International Union of Geodesy and Geophysics on issuing a new atlas of auroras. S. I. Isaev. Geomag. i aer. 3 no. 1:178-180 Ja-F '63.
Variations in the intensity of aurora luminescence and geomagnetic disturbances. G. A. Loginov, M. I. Pudovkin, R. G. Skrynnikov. Geomag. i aer. 3 no. 1:59-62 Ja-F '63.
- AUSCULTATION**
Stand for heart auscultation and simultaneous visual observation of phases of the cardiac cycle. E. S. Sigel. Kaz. med. zhur. no. 5:87 S-O '62.
- AUSTENITE**
Braun, M. P., and B. B. Vinokur. [Low-alloy and high-strength steels and their use in machine construction] Malolegion i vysokomifeni stali ta ikh zastosuvannya v mashinobuduvanni. Kyiv, Vyd-vo Akad. nauk URSS, 1960. 78 p. diagrs., tables. (RPB)
- AUSTRALIA—CRUSHING MACHINERY**
Drum-roller mill developed by the Parker Company (from "Mining and Chemical Engineering Review" no. 4, 1962). Obog. rud 7 no. 5:54 '62.
- AUSTRALIA—MAPS**
National atlas of Australia. I. R. Serobitnyi, R. S. Narasimha. Izv. AN SSSR. Ser. geog. no. 2:120-135 Mr Ap '63.
- AUSTRALIA—NATIVE RACES**
"Sharp corners" of the fifth continent. Vissarion Slanev. Ogonek 41 no. 14:14-15 Mr '63.
- AUSTRALIA—RAILROADS**
The railroads of Australia. I. A. Aksenov. Zhel. dor. transp. 45 no. 1:82-89 Ja '63.
- AUSTRALIA—SOCIAL CONDITIONS**
Sharp corners of the "fifth continent." Vissarion Slanev. Ogonek 41 no. 13:18-19 Mr '63.
- AUSTRALIA—STONE IMPLEMENTS**
Stone implements of the Australians. V. R. Kabo. Trudy Inst. etn. 80:3-104 '62.
- AUSTRIA—COMMERCE—COMMUNIST COUNTRIES**
"Handbook of Austrian commerce with the East [in German]." Reviewed by L. Sabel'nikov. Vnesh. torg. 43 no. 3:39-40 '63.
- AUSTRIA—ELECTRICITY, INJURIES FROM**
Injuries from electricity in Austria in 1960. I. A. E. Volkovich. Prom. energ. 18 no. 1:42-43 Ja '63.
- AUSTRIA—STUDENTS, AFRICAN**
Grinaces of the "free" world. Mol. komm. no. 11:118-120 N '62.
- AUTHORS** see subdivision under Donetsk Province
- AUTHORS—BIBLIOGRAPHY** see Bibliography—Authors
- AUTHORS—CONGRESSES**
Frankness, Sergei Vasil'ev. Ogonek 41 no. 15:3 Ap '63.
- AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.**
How did this happen? IU. Iuzovskii. Teatr 24 no. 3:60-63 Mr '63.
- AUTHORSHIP**
The prerequisites of mastery. V. Rozov. Mol. komm. no. 11:52-57 N '62.
- AUTOClaves**
Effect of some factors on results of testing cements in autoclaves. L. S. Kogan, IU. V. Nikiforov. Trudy Giprotsement no. 24:3-13 '62.
Using small molds in the autoclave production of wall slabs. V. G. Kisil'sky, V. V. Teplov. Bet. i zhel.-bet. 9 no. 3:140-142 Mr '63.
- AUTOMATA**
Symposium on the Theory of Relay Systems and Finite Automata. M. A. Gavrilov. Vest. AN SSSR 33 no. 4: 85-88 Ap '63.
- AUTOMATIC CONTROL**
Absolute stability of automatic control systems [with summary in English]. E. N. Rozenwasser. Avtom. i telem. 24 no. 3:304-313 Mr '63.
Absolute stability of nonlinear control systems in critical cases. Part I [with summary in English]. V. A. Yakubovich. Avtom. i telem. 24 no. 3:293-303 Mr '63.
Akademiya stroitel'stva i arkhitektury SSSR. Institut sanitarnoi tekhniki. [New modernized devices and methods of automating sanitary-engineering installations] Noveye modernizirovannye pribory i sredstva avtomatizatsii sanitarno-tekhnicheskikh ustroystv. Moskva, Bhuro proektno-konstrukorskoe i tekhnicheskoi pomoshchi, 1962. 39 p. [MICROFILM]
An alternation principle for improved control [with summary in English]. L. A. Zadeh, J. H. Eaton. Avtom. i telem. 24 no. 3:328-330 Mr '63.
Analytical design of an optimal controller [with summary in English]. M. E. Salukovadze. Avtom. i telem. 24 no. 4:437-448 Ap '63.
Analytical design of optimal controllers with presence of random external disturbances [with summary in English]. A. G. Zaitsev. Avtom. i telem. 24 no. 4:447-454 Ap '63.
Analytical method for determining the optimum parameters of static and astatic autopilots [with summary in English]. V. D. Matytsin. Avtom. i telem. 24 no. 4:455-464 Ap '63.
Analyzing the natural vibrations in two-position systems by means of generalized load characteristics. V. S. Uzhanski. Khok. tekhn. 40 no. 2:14-18 Mr-Apr '63.
Apparatus for automatically controlling pumps. A. P. Solokha, A. V. Chazhehinov, L. I. Tarasovich. Gor. zhur. no. 4:52-53 Ap '63.
Assignments for developing methods of automation for construction. O. V. Monastyrskii. Mekh. stroi. 20 no. 5:24-25 My '63.
Automated systems of pneumatic transportation. P. S. Bondarenko, I. M. Palilov. Khim. prom. no. 3:228-231 Mr '63.
Automatic checking of the speed of a sheet of glass on vertical glass drawing machines. V. G. Gutop, I. B. Kalinin. Stek. i ker. 20 no. 3:1-3 Mr '63.
Automatic control of excavation. A. I. Shenderov. Sbor. trud. MSH no. 39:377 '61.
Automatic control of loading a granulator. S. D. Sel'skaya. Tsement 28 no. 2:119 Mr-Apr '63.
Automatic control of low-power diesel generators. L. Levkoev, S. Iosipian. Tekh. vsekhkh. 23 no. 1: 44-47 Ja '63.
Automatic control of thermal conditions in blast furnaces. I. A. P. Kulikov and others. Met. i gornorud. prom. no. 1:6-10 Ja-F '63.
Automatic control system for the main steam boilers of the tanker "Dzhuzeppe Garibaldi." G. Vlasov. Mor. flot 23 no. 1:27-30 Ja '63.
Automatic counting of loaded cars in mine transportation. V. A. Blizniuk. Met. i gornorud. prom. no. 1:51-53 Ja-F '63.
Automatic device for controlling and sorting panel parts and slabs. A. I. Isakov, A. P. Poznaev, G. K. Korzhuk. Der. prom. 12 no. 2:7-10 F '63.
Automatic regulation of the operations of the band dryer for wool fibers. S. I. A. Molots'kiy. Leh. prom. no. 1: 9-11 Ja-Mr '63.
Automatic regulator for pumping stations. I. Sh. Sumetskii, A. I. A. Ivnenko. Gor. zhur. no. 4:76-78 Ap '63.
Automation of a motor vehicle. I. Shtraniukh. Za rul. 20 no. 5:12-13 My '62.
Automation of viscosity control in the production of adhesive resins. Continuous control. I. N. Kogan, I. A. Korneev. Plast. massy no. 3:45-54 '63.
Barun, V. A., and A. A. Budinskii. [Automatic control systems for machine tools] Sistemy avtomatizatsii stankov. Moskva, Mashgiz, 1963. 490 p.
Behavior of stochastic automata with variable structure [with summary in English]. V. I. Varshavskii, I. P. Vorontsova. Avtom. i telem. 24 no. 3:353-360 Mr '63.
Broverman, F. G., and N. I. A. Martynov. [Training electricians to service equipment in mines for automatic control, CTC, and communication] Podgotovka shakhtnykh elektromekhanikov po obsluzhivaniyu sredstv avtomatizatsii, STS i svyazi. Moskva, Proftekhizdat, 1962. 91 p. [MICROFILM]
- Centering of the realizations of random processes using digital computers [with summary in English]. IU. L. Klovov, A. M. T'stilin. Avtom. i telem. 24 no. 3:403-407 Mr '63.
Certain method for realizing optimum systems using a digital computer [with summary in English]. V. S. Balakirev. Avtom. i telem. 24 no. 4:521-530 Ap '61.
Certain method for representing the structural network of a linear sequential machine [with summary in English]. I. V. Pyshidin. Avtom. i telem. 24 no. 4:531-538 Ap '63.
Choice of a program and pace time in digital control systems [with summary in English]. V. A. Katskovskii, R. A. Poluektov. Avtom. i telem. 24 no. 4:539-547 Ap '63.
Communications, information, and automatic control in the command of the armed forces. G. G. Tolstoluzskii. Mor. abor. 46 no. 5:14-22 My '63.
Comparative study of simplest gradient-type and extrapolating optimizing control systems with real steady-state characteristics of the object [with summary in English]. I. I. Perel'man. Avtom. i telem. 24 no. 4:483-509 Ap '63.
Completeness theorem for a certain class of automata without feedback. V. B. Kudrjavtsev. Probl. kib. no. 3: 91-116 '62.
Complex steady motions in nonlinear pulse systems. M. M. Simkin. Dokl. AN SSSR 149 no. 3:585-588 Mr '63.
Complexity of networks in certain bases containing equivalent elements with zero weights. E. I. Nechiporuk. Probl. kib. no. 8:123-130 '62.
Concerning a certain class of nonlinear adaptive models with adjustment according to amplitude and phase characteristics [with summary in English]. L. M. Gerasimov. Avtom. i telem. 24 no. 3:368-382 Mr '63.
Concerning the stability of an automatic control system containing one nonlinear element [with summary in English]. I. M. Mindlin. Avtom. i telem. 24 no. 3:395-401 Mr '63.
Construction of control algorithms in systems optimum according to response time with presence of random noise [with summary in English]. Avtom. i telem. 21 no. 4:510-520 Ap '63.
Control of cupola furnace charging operations by means of noncontact automatic control elements. I. S. Kremnev. Lit. proizv. no. 4:10-11 Ap '63.
Coordination of the random movements of a man from the point of view of the general laws of control and control systems. L. V. Shakhmurov. Probl. kib. no. 8:303-311 '62.
Dekhtinrenko, P. I. [Experimental determination of the frequency characteristics of automatic control systems] Eksperimental'nye vyznacheniya chastotnykh kharakteristik sistem avtomaticheskogo regulirovaniya. Kyiv, Vyd-vo Akad. nauk URSS, 1961. 143 p.
Development of automatic control in the Vysokaya Mountain Mine. I. N. Samukov. Gor. zhur. no. 4:21-25 Ap '63.
Devices for the automatic control of cracking drying in horizontal vacuum kettles. V. Ogurtsov. Mash. i st. SSSR 34 no. 1:32-34 '63.
Efficiency of mechanization and automatic control of production in the Dogtyarsk copper mine. A. N. Shchegolev. Gor. zhur. no. 3:13-15 Mr '63.
Efficiency of over-all mechanization and automatic control of the "Donetskaya" Mine of the Chistiakovskii Trust. V. I. Rogalev, N. I. Ivanov, V. A. Ruban. Prib. 38 no. 4:46-48 Ap '63.
Electronic "Open Sesame." IUn. tekhn. 7 no. 12:71-14 D '62.
Electropneumatic springless pressure regulator. I. S. Korshkov. Gor. zhur. no. 4:52 Ap '63.
Evaluation of the error of a harmonic balance method [with summary in English]. E. D. Garber. Avtom. i telem. 24 no. 4:482-492 Ap '63.
Expansion of the maximum principle for optimum control problems [with summary in English]. A. G. Babitskii. Avtom. i telem. 24 no. 3:314-327 Mr '63.
Experience in the operation of automatic control equipment. V. V. Vasil'ev. Energetik 11 no. 3:14-15 Mr '63.
Finding the optimum operating conditions for some automata with programmed control. V. S. Altsenhal. Vest. AN SSSR. Ser. fiz.-tekhn. nav. no. 1:33-41 '63.
Frequency programmer. V. A. Uvarov. Prib. i tekhn. eksp. 7 no. 4:80-93 Ji-Ag '62.
Improvement of some types of high-frequency systems. L. P. Evstignejev. Prom. energ. 18 no. 4:10-11 Ap '63.
International Federation of Automatic Control. Congress, Moscow, 1961. [Statistical methods of research; theory of structures, modeling, terminology, and organization] Statisticheskie metody issledovaniya; teoriya struktur, modelirovaniya, terminologiya, organizatsiya. Moskva, Izd-vo Akad. nauk SSSR, 1961. 744 p. (PFIU)
Jet relay in an automatic control system. G. N. Mikhailus'. Prom. energ. 18 no. 4:12-13 Ap '63.
Kogan, B. I. A. [Electronic analog computers and their use in the study of automatic control systems] Elektronnyye modelirovushchie ustroystva i ikh primeneniye dlia issledovaniya sistem avtomaticheskogo regulirovaniya. Izd. 2, ispr. i dop. Moskva, Fizmatgiz, 1963. 510 p.

AUTOMATIC CONTROL (Continued)

- Master oscillator in the precision system of programmed control of the frequency of the accelerating field in proton synchrotron. F. A. Vodop'yanov. Prib. i tekhn. eksp. 7 no. 4:80-84 Ji-Ag '62.
- Means for automatic control of the operation of a single-bucket loader. P. A. Mikhirev and others. Gor. zhur. no. 3:69-70 Mr '63.
- Measurement and control. V. I. Kneifer. Izv. tekhn. no. 3:1-4 Mr '63.
- Mechanization and automatic control of sheet metal working processes in small batch production. A. S. Zal'ts, G. Kh. Oks, P. A. L'vov, Kuz. shlam. proizv. 5 no. 4: 42-43 Ap '63.
- Method of automatically controlling the turbidity of a thickener overflow. G. A. Khan, V. V. Smirnov, M. G. Zaznabin. Obog. rud 7 no. 2:30-42 '62.
- Methods for calculating the system of automatic control of the radial and phase position of the beam in a proton synchrotron. E. L. Burshtein, I. U. S. Ivanov, A. A. Kuz'min. Prib. i tekhn. eksp. 7 no. 4:102-105 Ji-Ag '62.
- Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Use of radioisotope methods for control in the food industry] Radioizotopnye metody kontrolia v pishchevoi promyshlennosti. Moskva, 1962. 48 p. [MICROFILM]
- Motion equations of optimizing sampled-data control systems with constant repetition rate. I. U. S. Popkov. Avtom. i telemek. 24 no. 4:472-481 Ap '63.
- New automatic ASG-NITI welding sets with follower system. B. Kh. Voskanyan, V. M. Elagin. Avtom. svar. 16 no. 2:65-67 F '63.
- A new electromechanical converter. A. A. Kol'tsov. Izv. vys. ucheb. zav.; elektromekh. 6 no. 2:252-262 '63.
- Petrov, L. K. [Moisture measurement and control] Izmerenie i regulirovanie vlazhnosti. [Moskva] Mosk. rabochii, 1962. 89 p.
- Pneumatic jet and moving ball techniques abroad [with summary in English]. G. T. Berezovets, I. V. Tatarko. Avtom. i telemek. 24 no. 3:414-424 Mr '63.
- [Principles of mechanization in construction work] Osnovy mekhanizatsii stroitel'nykh rabot. [By] P. T. Frolov, P. S. Grinkevich, S. F. El'mov. Moskva, Vysshiaia shkola, 1962. 299 p.
- Problem concerning the construction of a desirable logarithmic amplitude characteristic of an automatic control system [with summary in English]. Avtom. i telemek. 24 no. 3:408-413 Mr '63.
- Problem of multiloop control of multiple wire-drawing mills using multiterminal networks [with summary in English]. I. G. Grinnan, N. I. Sakhipov. Avtom. i telemek. 24 no. 4:540-557 Ap '63.
- Program control of equipment in the enterprises of the Moscow City Economic Council. A. I. Markin. Mashinostroitel' no. 3:8-10 Mr '63.
- Selecting the optimum operational conditions of the work of classification stations. N. D. Ilovaiskii. Vest. TSNI MPS 22 no. 2:51-54 '63.
- Shadrin, L. S. [What cybernetics is] Chto takoe kibernetika. Moskva, Voenizdat, 1963. 76 p. (Nauchno-popul'narnaia biblioteka)
- Simple layout for automating an asphalt-concrete plant. A. G. Zholtok. Avt. dor. 26 no. 4:23-24 Ap '63.
- Some features and methods for synthesis of stochastic automata [with summary in English]. G. N. Tsertvadze. Avtom. i telemek. 24 no. 3:341-352 Mr '63.
- Standardize the apparatus for automatically controlling drainage units. B. Kh. Bogopol'skii, I. U. S. Kovalev. Gor. zhur. no. 3:75-76 Mr '63.
- Steady-state characteristics of a system for automating the operation of single-bucket excavators. V. P. Lomakin. Elektrichestvo no. 3:48-51 Mr '63.
- Study of linear sampled-data systems subject to stationary random disturbances [with summary in English]. A. A. Kosiakina. Avtom. i telemek. 24 no. 3:331-340 Mr '63.
- Study of the precision system of programmed control of the frequency of the accelerating field in a proton synchrotron. F. A. Vodop'yanov and others. Prib. i tekhn. eksp. 7 no. 4:98-101 Ji-Ag '62.
- Studying the system of frequency control of the beam in the 7 bev. proton synchrotron with the aid of an electronic model of the beam. A. A. Vasil'ev, A. A. Kuz'min, I. U. S. Ivanov. Prib. i tekhn. eksp. 7 no. 4:111-115 Ji-Ag '62.
- System of automatic electron measurements in the 7 bev. proton synchrotron. V. F. Kuz'min, S. M. Rubchinskii. Prib. i tekhn. eksp. 7 no. 4:115-118 Ji-Ag '62.
- System of control of the frequency of accelerating voltage based on data on the beam. I. U. S. Ivanov, A. A. Kuz'min. Prib. i tekhn. eksp. 7 no. 4:106-111 Ji-Ag '62.
- Taita, A. A., and others. [Electric power engineering] Elektroenergetika. [By] G. A. Bykov i dr. Pod red. A. N. Ivanova i A. A. Taita. Moskva, Metallurgizdat, 1962. 190 p. (Tekhnicheskii progress v chernoi metallurgii SSSR)
- Two-unit automatic ATD-1 loom for the manufacture of horsehair interlining. I. R. Dalev. Leh. prom. no. 1: 13-14 Ja-Mr '63.

Upper limit of stability of delay systems [with summary in English]. E. S. Platinskii. Avtom. i telemek. 24 no. 4:465-471 Ap '63.

Vsesoiuznyi seminar po primeneniiu radioaktivnykh izotopov v izmeritel'noi tekhnike i priborostroenii. Frunze [?] 1963. [Radioisotope techniques in automatic control] Radioizotopnye metody avtomaticheskogo kontrolia; trudy russkogo soveshchaniia... Frunze. Izd-vo Akad. nauk Kirgizskoi SSR. Vol. 2. 1962. 235 p.

Warehouse-automat. N. Teterin. Nauka i zhizn' 30 no. 1:29, 64 b-c Ja '63.

AUTOMATIC CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telemek. i vych. tekhn. no. 5 My '63.

AUTOMATIC CONTROL—BIBLIOGRAPHY see Bibliography—Automatic control

AUTOMATIC CONTROL—CONGRESSES

The Ninth Scientific and Technical Conference of Young Scientists of the Institute of Automatic and Remote Control. A. L. Raikin, M. V. Rybachov. Avtom. i telemek. 24 no. 3:425-428 Mr '63.

AUTOMATIC CONTROL—EQUIPMENT AND SUPPLIES

Correspondence radio club; proposals of "Iunyi Tekhnik" readers on automation. IUn. tekhn. 7 no. 12:60-67 D '62.

Mathematical theory of some elements of automatic control instruments. G. I. Tuchina. Izv. vya. ucheb. zav.; tekhn. i tekhn. prom. no. 1:142-147 '63.

AUTOMATIC MACHINERY see Machinery, Automatic

AUTOMATIC TIMERS

Automatic start and finish system for sport competitions. I. U. Verkhals. IUn. tekhn. 7 no. 2:40-51 F '63.

Improving the design of the VS-9 time relay. V. S. Pogorelyi. Khleb. i kond. prom. 7 no. 4:19-20 Ap '63.

AUTOMATION

Action and dreams of an engineer. M. Lavrik. Ogonek 41 no. 13:8 Mr '63.

Akademlia kommunal'nogo khoziaistva. [Automation of gas water-heating boilers] Avtomatizatsia vodogrel'nykh otopitel'nykh kotel'nykh na gase; temacheskii sbornik. Moskva, Gosoptekhzdat, 1962. 106 p.

Automated fat processing section. A. Lapshin. Mias. ind. SSSR 34 no. 1:21-28 '63.

Automation and agriculture. IUn. tekhn. 7 no. 4:2-6 Ap '63.

Automation in controlling the brine concentration. N. F. Chernigai, A. Ivanov. Ryb. khoz. 39 no. 2:68-72 '63.

Automation of sintering plants. D. P. Pritykin. Met. i gornorud. prom. no. 1:67-68 Ja-F '63.

Automation of the cooking of preserves. A. A. Erofeev, E. I. Pravda, V. K. Lomakin. Trudy MNIPP 2:109-113 '62.

Automation of the operations of rectification apparatus. I. I. Chelyshev. Spirt. prom. 29 no. 3:37-40 '63.

Automation of the painting of gondola cars. N. M. Evgrafov and others. Lakokras. mat. i kh. prim. no. 2:57-62 '63.

Basic trends in the overall mechanization and automation of the food industry in the Ukraine. Khar. prom. no. 1:3-5 Ja-Mr '63.

Bulanovskii, L. A. [Principles of planning the complete automation of oil and gas production and transportation] Printsipy proektirovaniia kompleksnoi avtomatizatsii dobychi i transporta nefli i gaza. Moskva, Gosoptekhzdat, 1963. 114 p.

Complete mechanization and automation of the fishing industry as an immediate task. A. A. Ishkov. Ryb. khoz. 39 no. 2:3-9 '63.

Concerning A. B. Frankel's article, "Automation in power engineering enterprises." T. A. Titov, S. G. Shvetsov, A. V. Shcherbakov. Prom. energ. 17 no. 3:50-51 Ag '62.

Continuous process of lumbering and woodworking with over-all mechanization and automation. V. I. Garuzov. Nauch. zap. VLTi 28:31-37 '62.

Golubkov, V. V., and K. N. Malakhov. [Mechanization of loading and unloading operations on foreign railroads] Mekhanizatsia pogruzochno-razgruzochnykh rabot na zarubezhnykh zheleznnykh dorogakh. Moskva, Transzheldorizdat, 1963. 227 p.

Kazakov, I. E., and B. G. Dostupov. [Statistical dynamics of nonlinear automatic systems] Statisticheskaiia dinamika nelineynykh avtomaticheskikh sistem. Moskva, Fizmatgiz, 1962. 332 p.

Klebanov, M. K., ed. [Automation of machine tools] Avtomatizatsia metallorazhushchikh stankov. [Kulbyshchev] Kulbyshskoe knizhnoe izd-vo, 1962. 93 p. [MICROFILM]

Konov, V. S., and S. A. Stefanenko. [Mechanization and automation of intrafactory transportation in machinery plants] Mekhanizatsia i avtomatizatsia vnutrizavodskogo transporta mashinostroitel'nykh zavodov. Moskva, TSINTIMASH 1961. 68 p.

Mechanization and automation in mines of the Priokskii Economic Council. A. A. Subbotin and others. Bezop. truda v prom. 7 no. 4:2-3 Ap '63.

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii mashinostroeniia. [Development of structural elements of grinding machines abroad] Razvitiie elementov konstruktssii shlifoval'nykh stankov za rubezhom; obzor. Moskva, 1961. 67 p.

[Over-all automation at a bearing plant] Kompleksnaia avtomatizatsia na podshipnikovom zavode. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 53 p. [MICROFILM]

Polekushin, N. V. [Mechanization and automation of cold pressing operations] Mekhanizatsia i avtomatizatsia kholodoshlampovychnykh rabot. [Chelabinsk] Chelabinskoe knizhnoe izd-vo, 1961. 45 p. (Obmen poredovym opytom: Kuznechnoe proizvodstvo)

Preparation of direct ammonia cooling systems for an over-all automation. V. Irzhevskii, I. A. Zil'berg, A. Komeiko. Mias. ind. SSSR 34 no. 1:35-39 '63.

Pusher-tug "OT-800" with complex automation. S. Belinin. Rech. transp. 22 no. 4:38 Ap '63.

Savrei, V. S. [ABC's of industrial automation] Azbuka promyshlennoi avtomatiki. [Magadan] Magadanskoe knizhnoe izd-vo, 1962. 80 p. [MICROFILM]

Sil'chenko, S. S. [Mechanization and automation of lifting and assembling work] Mekhanizatsia i avtomatizatsia slesarno-sbornykh operatsii. Moskva, Proftekhizdat, 1962. 147 p. (Biblioteka metodolog. rabochego)

Special feature exhibition on the mechanization and automation of production processes in the meat industry. A. Apraksina, R. Ivanova. Mias. ind. SSSR 34 no. 1:39-41 '63.

AUTOMATION—BIBLIOGRAPHY see Bibliography—Automation

AUTOMATION—CONGRESSES

Automation of the processes of preparing, placing and compacting concrete mixes. L. S. Shapiro. Bet. i zhel.-bet. 0 no. 3:144-3 of cover Mr '63.

AUTOMATION—ECONOMIC ASPECTS

(see also subdivision under United States)

Technological theory in bourgeois economics. I. Dvorkin. Vop. ekon. no. 4:107-120 Ap '63.

AUTOMATION—STUDY AND TEACHING

Evening dedicated to automation. V. A. Taimitskii. Fiz. v shkole 23 no. 1:53-59 Ja-F '63.

AUTOMOBILE DRIVERS

He met Ilich. E. Radzivilov. Za bezop. dvizh. 5 no. 4:1-2 Ap '63.

AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

(see also subdivision under Kirov; Novocherkassk)

Belotserkovskii, A. G., and A. A. Mikhailovich. [Handbook for motor-vehicle drivers] Pamiatka vodielta avtomobila. Moskva, Mashgiz, 1963. 155 p.

Kostroma teachers take the floor. V. Slachinskii, G. Peters. Za rul. 20 no. 5:27 My '62.

Nagula, G. E., V. S. Kaliskii, and A. I. Manzon. [Manual for automobile drivers of the third grade] Uchebnik shofera tret'ego klassa. Izd. 5. Alma-Ata, Kazgosizdat, 1962. 445 p.

New trends in driver training. V. Reznikov. Za bezop. dvizh. 5 no. 3:6-7 Mr '63.

Training skilled drivers. G. Zinger. Za rul. 20 no. 5: 26-27 My '62.

AUTOMOBILE ENGINEERING RESEARCH

Unsolved problems in automobile engineering research. G. Zimelev. Za rul. 21 no. 2:4-6 F '63.

AUTOMOBILE INDUSTRY

(see also subdivision under Moscow)

Konnikov, I. S. [Automobiles; their manufacture and export in capitalist countries] Avtomobili; proizvodstvo i vneshtniaia torgovlia kapitalisticheskikh stran. Moskva, Vneshtorgizdat, 1962. 202 p.

Make more extensive use of plastics in the manufacture of motor vehicles. Avt. prom. 28 no. 5:1-2 My '63.

Organization of Soviet motor-vehicle assembly plants. S. A. Nikitin. Avt. prom. 28 no. 0:1-3 Je '62.

AUTOMOBILE INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Moscow

AUTOMOBILE INDUSTRY WORKERS

(see also subdivision under Moscow)

Ivan Komarov, a worker. Vasilii Mishin. Snena 39 no. 18:2-7 S '62.

AUTOMOBILE INDUSTRY WORKERS—EDUCATION AND TRAINING see subdivision under Gorkii

AUTOMOBILE PARKING

Automobile parking in cities. K. S. Starinkevich. Probl. sov. gradostroi. no. 10:68-75 '63.

Heating of an open motor-vehicle parking area. L. Boguslavskii. Avt. transp. 41 no. 3:31-32 Mr '63.

AUTOMOBILE RACING

(see also subdivision under Estonia; Moscow)
At the start of the racing season. Za rul. 21 no. 3:13 Mr '63.
Automobile racing in 1963. R. Chertov. Avt. transp. 41 no. 3:59-60 Mr '63.
Computing distances on rally tracks. G. Solov'ev. Za rul. 21 no. 3:10-12 Mr '63.
Contribution of enthusiasts. Za rul. 21 no. 3:1 Mr '63.

AUTOMOBILE TRAINS

Advice for drivers about automobile trains. IA. Zakin. Avt. transp. 4 no. 8:6-8 Ag '62.

AUTOMOBILE TRAINS—BRAKES

Selecting optimum characteristics of a pneumatic drive for automobile-train brakes. V. G. Rozanov, V. V. Llubushkin. Avt. prom. 28 no. 6:25-28 Je '62.

AUTOMOBILE TRAINS—ELECTRIC DRIVING

Possible use of an electric drive in heavy automobile trains. O. A. Toloknov and others. Avt. prom. 28 no. 6:29-32 Je '62.

AUTOMOBILES

Automobiles at the Paris Automobile Exhibition of 1962. IU. V. Naumov. Avt. prom. 29 no. 5:48 My '63.
English periodical "Motor" about the Soviet-made "Volga" car. Za rul. 21 no. 3:32 Mr '63.
Sashka will be a foreman. V. Tkukel'. Smena 40 no. 9:16-17 My '63.

AUTOMOBILES—BRAKES

Analytic determination of the wear of elements of a brake pair. B. M. Demidenko. Avt. prom. 29 no. 5:15-18 My '63.
Analytic determination of time and distance for the engine braking of a motor vehicle. S. S. Slavolubov. Avt. prom. 29 no. 5:25-26 My '63.

AUTOMOBILES—DESIGN AND CONSTRUCTION

Looking ahead. Za rul. 21 no. 3:23 Mr '63.
Modernized "Volga" automobile. V. Solov'ev. Avt. transp. 4 no. 8:38-39 Ag '62.
Modifications of the "Volga" car. Za rul. 21 no. 3:14-15 Mr '63.
"Moskvich-403" automobile. Za rul. 21 no. 3:22 Mr '63.

AUTOMOBILES—DYNAMICS

Is running-out useful? G. Berestinskii. Za rul. 21 no. 3:20-21 Mr '63.

AUTOMOBILES—ENGINES

Methods for stand testing of intake and exhaust silencers for automobile engines. G. G. Terzhbash'ian, V. A. Vasilukov, M. S. Pesotskaja. Avt. prom. 29 no. 5:28-29 My '63.
Study of the operation of automobile engines using the similitude theory. S. N. Dashkov. Trudy MIT no. 139: 230-244 '61.

AUTOMOBILES—ENGINES—VALVES

Why and how should valves be ground. M. Gintsburg. Za rul. 21 no. 3:24-25 Mr '63.

AUTOMOBILES—EQUIPMENT AND SUPPLIES

Salesman in an automobile store. V. Nazarov. Za bezop. dvizh. 5 no. 3:12-14 Mr '63.

AUTOMOBILES—MAINTENANCE AND REPAIR

(see also subdivision under Moscow)
Controlled by an instrument. A. Basov. Za bezop. dvizh. 5 no. 4:8 Ap '63.
Maintenance of training automobiles. K. Shestopalov. Za rul. 21 no. 2:26 F '63.
Unit for straightening automobile bodies. A. Shapovalov. Avt. transp. 41 no. 3:55 Mr '63.

AUTOMOBILES—MODELS

(see also subdivision under Kharkov; Ukraine)
Organize more competitions for miniature automobiles. A. Slavin. Za rul. 20 no. 5:7 My '62.

AUTOMOBILES—REPAIRING

Dergachev, A. F. [Principles of the economics of automobile repair production] Osnovy ekonomiki avtomobil'nogo proizvodstva. Moskva, Avtotransizdat, 1963. 102 p.

AUTOMOBILES—ROAD GUIDES

see subdivision under Caucasus

AUTOMOBILES—SHOCK ABSORBERS

Calculating characteristics of a hydraulic shock absorber taking into consideration the friction in the suspension. A. D. Derzhavinskii. Avt. prom. 28 no. 6:19-24 Je '62.
Stand for checking shock absorbers. G. Uglov. Avt. transp. 4 no. 8:51-52 Ag '62.

AUTOMOBILES—SPRINGS

Using independent suspensions of rear wheels in the design of automobiles. B. M. Fitterman. Avt. prom. 28 no. 6:15-16 Je '62.

AUTOMOBILES—STANDARDS

Standardization of basic parameters of passenger automobiles. N. I. Borisov. Standartizatsia 27 no. 3:7-11 Mr '63.

AUTOMOBILES—STARTING DEVICES

Reconditioning starter brushes. V. Petrakov. Avt. transp. 41 no. 3:54 Mr '63.

AUTOMOBILES—STEERING GEAR

Device for checking parameters of the steering screw. N. A. Fatov. Avt. prom. 28 no. 6:33-34 Je '62.

AUTOMOBILES—TESTING

"Using electric measurement methods in automobile testing" by N. A. Bukharin, V. K. Gollak. Reviewed by P. V. Aksenov, IU. V. Pirkovskii. Avt. prom. 29 no. 5:5 of cover My '63.

AUTOMOBILES—TOURING

For long journeys. Za rul. 20 no. 5:32 My '62.

AUTOMOBILES—TRANSMISSION DEVICES, AUTOMATIC

Smooth shifting of a hydromechanical transmission. N. P. Kharitonov, V. A. Anokhin. Avt. prom. 29 no. 5:10-15 My '63.

AUTOMOBILES, RACING—CLASSIFICATION

New classification of racing automobiles. A. Sabina. Za rul. 21 no. 3:21 Mr '63.

AUTOMOBILES, RENTAL

(see also subdivision under Tallinn)
Real and imaginary difficulties. A. Birznez. Za rul. 20 no. 5:15 My '62.

AUTOMOTIVE TRANSPORTATION

see Transportation, Automotive

AUTONOMIC DRUGS

Effect of some ganglioblocking substances on the state of rabbits after a closed craniocerebral trauma. I. A. Rustamov, Zdrav. Turk. 7 no. 2:14-17 F '63.

AUTOPSY

Problem of pathoanatomical errors. A. M. Kheifitskii. Kaz. med. zhur. no. 5:32-34 S-O '62.

AUXILIARY POLICE

Advice for voluntary policemen and fellow workers' courts. Rad. pravo no. 3:47-50 My-Je '62.

AVAILANCES

Tushinskii, G. K. [Glaciers, snow, and avalanches in the Soviet Union] Ledniki, snezhniki, laviny Sovetskogo Soюза. Moskva, Geografiz, 1963. 310 p.

AVASI, 1896-

Atalan, R. A. Gusan Avasi. Moskva, Sovetskii kompozitor, 1962. 53 p. (Narodnye peysy i muzykanty) (MH)

AVITAMINOSIS

see Deficiency diseases

AVVAKUMOV, SERGEI IOSIFOVICH, 1894-1962

S. I. Avvakumov; obituary. Ist. SSSR 7 no. 1:238 Ja-F '63.

AXES

see subdivision under Dudarkov

AYNOV ISLANDS—PHYTOGEOGRAPHY

Position of Aynov Islands of the Barents Sea in the geobotanical zoning of the Kola Peninsula. N. S. Parfen'eva. Nauch. dokl. vys. shkoly; biol. nauki no. 2:141-143 '63.

AZERBAIJAN—AERONAUTICS, COMMERCIAL

Highest labor standard. P. Filatov. Grazhd. av. 20 no. 1:6-7 Ja '63.

AZERBAIJAN—AGRICULTURAL WORKERS

Sharifov, Azad. [Let the mountains of cotton rise to the clouds] "Pust' do oblaka vyrastet khlopka gora..." [Moskva] Molodaia gvardia, 1962. 109 p.

AZERBAIJAN—ALPINE FLORA

Gadzhiev, V. D. [Subalpine vegetation of the Greater Caucasus within the Azerbaijan S.S.R.] Subal'pitskaya rastitel'nost' Bol'shogo Kavkaza: v pradelakh Azerbaidzhanskoi SSR. Baku. Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 170 p.

AZERBAIJAN—ARCHITECTURE—CONSERVATION AND RESTORATION

Akademii nauk Azerbaidzhanskoi SSR, Baku. Institut arkhitektury i iskusstva. [Problems in the restoration of architectural monuments in Azerbaijan] Voprosy restavratsii pamiatnikov zodchestva Azerbaidzhana. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1960. 275 p. illus. [In Russian and Azerbaijani with summaries in Russian] (MH)

AZERBAIJAN—ARCHITECTURE, MOHAMMEDAN

Dukhovnoe upravlenie musul'man Srednei Azii i Kazakhstana. Tashkent. [Historical monuments of Islam in the U.S.S.R.] [Istoricheskie pamiatniki Islama v SSSR] Tashkent, [n.d.] 1 v. 135 plates. [Text in Arabic, Persian, and Kurdish] 54 p. [Text in Russian, English, and French]

AZERBAIJAN—BORING

Selecting the site for an extradeep hole for studying the crustal structure of Azerbaijan. A. A. Ali-zade and others. Sov. geol. 6 no. 2:3-16 F '63.

AZERBAIJAN—BUILDING—ESTIMATES

Azerbaijan. Gosudarstvennyi komitet po dolam stroitel'stva i arkhitektury. [Standard district estimates for construction and assembly work for construction projects of the first and second groups in Baku, Kirovabad, and nineteen zones of the Azerbaijan S.S.R., adapted to local conditions and in the now price scale] Sbornik edinykh raionnykh edinichnykh raschetov na stroitel'no-montazhnye raboty dlia stroek pervoi i vtoroi grupp po g. g. Baku, Kirovabad i 19-ti zonam Azerbaidzhanskoi SSR, prilazanykh k mestnym usloviam v novom masshtabe tsen. Baku.

Razdel 1 - 5, 1961. 25 p.
Razdel 5, D, 1961. 39 p.
Razdel 7. 7-D, 17-D, PP i SKh. 1961. 37 p.
Razdel 13-a. [Landscape gardening] Raboty po ozeleneniiu, 1960. 19 p.

AZERBAIJAN—COTTON—DISEASES AND PESTS

Agricultural practices in controlling the mallow moth. M. G. Ismailov, I. D. Mamedov. Zashch. rast. ot vred. i bol. 6 no. 11:29 N '61.

AZERBAIJAN—EARTH—SURFACE

Selecting the site for an extradeep hole for studying the crustal structure of Azerbaijan. A. A. Ali-zade and others. Sov. geol. 6 no. 2:3-16 F '63.

AZERBAIJAN—FIREMAN

Carrying on the work of the fathers. K. Tischenko. Pozh. delo 9 no. 4:28 Ap '63.

AZERBAIJAN—FIRES AND FIRE PREVENTION—STUDY AND TEACHING

Excellent marks. V. Goncharuk. Pozh. delo 9 no. 3:28 Mr '63.

AZERBAIJAN—GEOLOGY, STRATIGRAPHIC

Vekilov, B. G. [Pontian stage of eastern Azerbaijan] Ponticheski iarus vostochnogo Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 220 p.

AZERBAIJAN—HEALTH RESORTS, WATERING PLACES, ETC.

Some data on the state and developmental aspects of health resorts and sanatoriums in the Azerbaijan S.S.R. Sh. M. Ghasanov. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:3-6 '59.

AZERBAIJAN—HEPATITIS, INFECTIOUS

Epidemiology of infectious hepatitis in the Azerbaijan S.S.R. B. F. Medzhidov, K. G. Kerim-zade. Vop. virus. 7 no. 6:744 N-D '62.

AZERBAIJAN—HISTORY

Ibragimov, Dzhafer. [Feudal states on the territory of Azerbaijan in the 15th century] Feodal'nye gosudarstva na territorii Azerbaidzhana XV veka. Baku, Azerbaidzhanskii gos. pedagog. in-t, 1962. 111 p.

AZERBAIJAN—LABOR COURTS

Azerbaijan. Laws, statutes, etc. [Regulations on fellow workers' courts. Adopted by decree of the Presidium of the Supreme Soviet of the Azerbaijan S.S.R., October 7, 1961] Polozhenie o tovarishcheskikh sudakh. Utverzhdeno ukazom. j. ot 7 oktiabria 1961 g. Baku, Azerbaidzhanskoe gos. izd-vo, 1961. 13 p. [MICROFILM]

AZERBAIJAN—LOTUS

The lotus Nelumbium caspicum in Azerbaijan and its protection. V. D. Gadzhiev. Okhr. prir. i zapov. delo v SSSR no. 7:54-58 '62.

AZERBAIJAN—MINERAL WATERS

Change in the total blood cholesterol in hepatocholelasytids under the influence of subaqueous intestinal lavage with Bash-Istisu mineral water. K. S. Sadykh-Zade. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:117-121 '59.

AZERBAIJAN—MINERALOGY

Mineralogical composition of Apeheron sediments in the Caspian-Kuba area and Apeheron Peninsula. V. P. Akasova, T. M. Gadieva. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefli no. 6:61-69 '62.

AZERBAIJAN—MOTHS—EXTIRMINATION

Agricultural practices in controlling the mallow moth. M. G. Ismailov, I. D. Mamedov. Zashch. rast. ot vred. i bol. 6 no. 11:29 N '61.

AZERBAIJAN—ORGANIC MATTER

Organic matter in Oligocene and Miocene sediments of the Caspian-Kuba region. Sh. F. Mekhtiev, Ad. A. Aliev. Geol. nefli i gaza 7 no. 4:40-47 Ap '63.

AZERBAIJAN—PHYSICS—RESEARCH

Happy housewarming. Zarifa Smena 39 no. 12:7 Je '62.

AZERBAIJAN—PLANTS, PROTECTION OF

In contact with production. S. G. Abdullae. Zashch. rast. ot vred. i bol. 6 no. 6:5-6 Je '61.

AZERBAIJAN—POLITICS AND GOVERNMENT
Azerbaijan, 5th and Sovietov. [Resolutions and decisions of the Congresses of the Soviets of Azerbaijan, 1921-1937] Rezolutsii i postanovleniia 5^{go} Sovetov Azerbaidzhanskoi SSR, 1921-1937 gg. Baku, Akad. nauk Azerbaidzhanskoi SSR, 1961, 200 p. (MH)

AZERBAIJAN—PRECAST CONCRETE—ESTIMATES
Azerbaijan, Gosudarstvennyi komitet po delam stroitel'stva i arkhitektury. [Supplementary catalog of estimates for basic building materials, products, intermediate products and structural elements for Baku, Kirovabad, and nineteen zones of the Azerbaijan S. S. R., determined by local conditions] Dopolnitel'nyi katalog smetnykh tsen osnovnykh stroitel'nykh materialov, izdelii, polufabrikatov i konstruktsii po g. g. Baku, Kirovabad i 19-ti zonam Azerbaidzhanskoi SSR, privyazannykh k mestnym usloviyam. Baku, 1960, 9 p.

AZERBAIJAN—SEA URCHINS, FOSSIL
Turangelster, a new echinoid genus from Upper Cretaceous sediments in Turkmenia and Azerbaijan. A. N. Solov'ev, O. G. Melikov, Paleont. zhur. no. 1:105-110 '63.

AZERBAIJAN—SEDIMENTATION AND DEPOSITION
Conditions governing the sedimentation in the Saratian of western Azerbaijan. A. M. Mamedaliev. Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefii no. 6:10-28 '62.

AZERBAIJAN—SILK VINE
Silk vine, an ornamental plant. M. M. Ali-zade, Priroda 52 no. 4:116-117 '63.

AZERBAIJAN—SOIL MICROORGANISMS
Role of microorganisms in the decomposition of the roots of natural vegetation in some Azerbaijan soils. A. S. Aliov, M. A. Gadzhieva. Dokl. AN Azerb. SSR 10 no. 1:45-48 '63.

AZERBAIJAN—TEA
Effect of the introduction of a new technology in the tea industry of the Azerbaijan S. S. R. on the increase of the vitamin P value of black tea. K. I. Makhmudov. Biokhim. chain. proizv. no. 9:192-195 '62.
Results of the introduction of a new technology in the manufacture of black loose leaf tea in the factories of the Azerbaijan S. S. R. in 1961. A. I. U. Bagirov and others. Biokhim. chain. proizv. no. 9:103-108 '62.

AZIMUTH
Simultaneous determination of the geographical latitude and the astronomical azimuth. B. A. Volynskii. Biol. VAGO no. 31:18-28 '62.

AZO BENZENE
Mixed thorium complex with cupferron and 4'-nitroso-2, 2'-dihydroxy-4-methyl-5-isopropylazobenzene. V. M. Dzlomko, N. P. Rudenko, I. N. Kromenskaya. Zhur. neorg. khim. 8 no. 3:655-659 Mr '63.

AZOTOBACTER
Effect of Azotobacter on the activity of some enzymes in fudder and table beets. L. H. Brantsevych. Visnyk Kyiv. un. no. 2, Ser. biol. no. 1:91-102 '60.
Metabolism of nucleic acids and mononucleotides in the course of synchronous development of Azotobacter vinelandii [with summary in English]. G. N. Zaitsova, Ngo Ke Syong, A. N. Belozerskii. Biokhimia 28 no. 1:172-185 Ja-F '63.

AZOV SEA REGION—SANDPIPERS
Sandpipers of the eastern coasts of the Sea of Azov. V. S. Ochapovskii. Ornithologia no. 4:276-287 '62.

AZOV SEA REGION—VERMICULITE
New data on the vermiculite potential of the Azov Sea region. L. P. Hohol'. Geol. zhur. 23 no. 1:80-84 '63.

BACON
Production of bacon. A. G. Takzei, Khar. prom. no. 1: 56 Ja-Mr '63.

BACTERIA
Irregular penetration of DNA into the cells during bacterial transformation. S. E. Bresler, M. I. Mosevitskii, A. L. Timkovskii. Dokl. AN SSSR 149 no. 3:721-724 Mr '63.

BACTERIA, CELLULOSE-DECOMPOSING
Phylogenesis of anaerobic cellulose bacteria. Part 1: Fermentation of cellulose and potato mash by thermophilic anaerobic cellulose bacteria. H. O. Nikitin. Visnyk Kyiv. un. no. 2, Ser. biol. no. 1:107-112 '59.
Studying the respiration of anaerobic cellulose bacteria. M. M. Rotmistrov, H. O. Nikitin. Visnyk Kyiv. un. no. 3, Ser. biol. no. 1:89-91 '60.

Utilization of nitrogen sources by anaerobic cellulose bacteria. H. O. Nikitin. Visnyk Kyiv. un. no. 3, Ser. biol. no. 1:92-96 '60.

BACTERIA, PHOSPHORUS
Development of phosphorus and silicate bacteria in the rhizosphere of some agricultural plants. I. I. Shevtsova. Visnyk Kyiv. un. no. 1, Ser. biol. no. 2:81-84 '58.

Role of some factors on the spore formation of phosphorus bacteria. M. N. Chernobyl's'ka, V. A. Kordium, S. M. Landau. Visnyk Kyiv. un. no. 2, Ser. biol. no. 1: 103-106 '59.

BACTERIA, PHYTOPATHOGENIC
Changes in the composition of the parasitic flora of a series of cultivated plants of the Soviet Union. M. V. Gorlenko. Nauch. dokl. vyzh. shkoly; biol. nauki no. 2: 115-120 '63.

BACTERIA, SILICATE
Development of phosphorus and silicate bacteria in the rhizosphere of some agricultural plants. I. I. Shevtsova. Visnyk Kyiv. un. no. 1, Ser. biol. no. 2:81-84 '58.

BACTERIOLOGY—CULTURES AND CULTURE MEDIA
Kuznetsov, S. I., V. I. Romanenko. [Microbiological study of inland bodies of water; a laboratory manual] Mikrobiologicheskoe izucheniye vnutrennykh vodostanov; laboratornoe rukovodstvo. Moskva, Izd-vo Akad. nauk SSSR, 1963, 128 p.

Practices in culturing Mycobacterium tuberculosis in vegetable media. T. S. Kadoshnikova. Trudy Kras. SKIM 3 no. 1:130-133 '63.
Subculturing actinomycetes with a minimum amount of inoculum. L. I. Potekhina. Nauch. dokl. vyzh. shkoly; biol. nauki no. 2:161-165 '63.

BACTERIOPHAGE
Distribution of the dysenteric bacteriophage in the organism of inoculated mice in relation to the time the phage was administered and the preceding immunization. K. S. Zebina. Vop. virus. 7 no. 6:744 N-D '62.

Hereditary variability of viruses and bacteriophages under the action of radiation and chemical agents. A. S. Krivitskii. Zhur. VKHO 8 no. 1:68-81 '63.

Heretic deed of professor Nikonov. Aleksandr Lin. Nauka i zhizn' 30 no. 1:50-58 Ja '63.

Krylova, M. D. [Satellites of the invisible; stories about the bacteriophage] Spuski nevidimyykh; rasskazy o bakteriofage. Moskva, Izd-vo "Znanie," 1963, 31 p. (Novoe v zhizni, nauka, tekhnika. VIII Seriya: Biologiya i meditsina, no. 7)

Molecular state of deoxyribonucleic acid in the ϕ phage corpuscle [with summary in English]. T. I. Tkachenko, N. G. Pichugina, I. A. Koudelka, Biokhimia 28 no. 1:101-112 Ja-F '63.

BAD SALZUNGEN, EAST GERMANY—HEALTH RESORTS, WATERING PLACES, ETC.

Treating diseases of respiratory organs in a balneological health resort. Hans Blaga. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:40-52 '63.

BAIKAL, LAKE—ALGAE
Systematical list of planktonic algae of Lake Baikal and some data on the biology of their mass forms by O. M. Kozhova. Reviewed by A. P. Skabichevskii. Bot. zhur. 48 no. 3:461-464 Mr '63.

BAIKAL LAKE REGION—POLES
Nature of the uprising of the deported Poles in the Baikal Lake region in 1866. V. R. Leikina-Svirskaya. Ist. zap. no. 72:229-245 '62.

BAKED PRODUCTS see subdivision under Warsaw

BAKED PRODUCTS—PRICES
Wholesale prices of bakery products. IU. P. Avdiants. Khleb. i kond. prom. 7 no. 4:10-13 Ap '63.

BAKERIES see subdivision under Bashkiria; Estonia; Ulan Bator; Volodga Province

BAKERIES—AIR CONDITIONING
Small size conditioner without sprayer. P. F. Pisulin. Khleb. i kond. prom. 7 no. 4:16-19 Ap '63.

BAKERIES—EQUIPMENT AND SUPPLIES
"New developments in the technology of dough preparation in bakeries" by I. M. Roiter. Reviewed by N. T. Chubenko. Khleb. i kond. prom. 7 no. 4:42-43 Ap '63.

BAKERIES—QUALITY CONTROL
Point system for the quality evaluation of baked products. I. M. Marchenko, M. N. Chechkovskii. Khleb. i kond. prom. 7 no. 4:21-23 Ap '63.

BAKHUT REGION (UKRAINE)—ANHYDRITE
Find of bassanite in the anhydrites of a gypsum-dolomite layer. O. P. Riabichenko. Zap. Vses. min. ob-va 92 no. 1:95-96 '63.

BAKHUT REGION (UKRAINE)—BASSANITE
Find of bassanite in the anhydrites of a gypsum-dolomite layer. O. P. Riabichenko. Zap. Vses. min. ob-va 92 no. 1:95-96 '63.

BAKU—COMMUNITY CENTERS
On the right road! IA. Tarakanov. Klub 12 no. 10: 16-17 O '62.

BAKU—MINERAL WATERS, SULFUROUS
Treatment of chronic inflammatory diseases of the upper respiratory tract with hydrosulfide water of Stalin District of the city of Baku. T. A. Petrosian. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:122-128 '58.

BAKU—PETROLEUM REFINERIES

Depending on the voluntary activities of workers. M. B. Ginzburg, A. A. Martirosian. Bezop. truda v prom. 7 no. 4:16-17 Ap '63.

BAKU—PHOTOGRAPHY
School for the advancement of skill. Sov. foto 23 no. 2: 20-21 F '63.

BAKU—POLIOMYELITIS—VACCINATION
Serological and virological study of peroral immunization of children with attenuated live monovalent (I, III, IV) poliomyelitis vaccine in the city of Baku. A. A. Babaev. Azerb. med. zhur. no. 2:61-66 F '62.

BAKU—SPORTS
Slavin, IU. A. [In a workers' sports collective; physical culture at the Shmidt Machinery Plant in Baku] V zavodskom sportivnom kollektive; o fizkul'turnoi rabote na Bakinskom mashinostroitel'nom zavode imeni leitnanta Shmidta. [Moskva] Profizdat, 1957. 44 p.

BAKU ARCHIPELAGO—CLAY
Formation of physicochemical properties during the lithification of argillaceous sediments of the Baku Archipelago. I. G. Korobanova, A. K. Kopylova, A. P. Kovaleva. Dokl. AN SSSR 149 no. 3:692-695 Mr '63.

BALANCE—TESTING
Effect of electric fields on the readings of a laboratory balance. A. I. Grebenshchikov, I. T. Kraev. Izv. tekhn. no. 8:30 Ag '62.

BALANCING OF MACHINERY
Berkovich, D. M. [Inertial forces in engineering and their balancing] Sil'y inertsi i tekhnika i ikh uravnoveshivanie. Moskva, Mashgiz, 1963. 99 p. (Nauchno-popul'naya biblioteka molodogo rabochego)

Pavlov, D. V. [Vertical balancing machines] Vertikal'nye balansirovochnye stanki. Moskva, Mashgiz, 1963. 100 p.

Stand for balancing cardan shafts. V. Kuzevanov. Avt. transp. 41 no. 3:56 Mr '63.

BALANOVO (CHUVASHIA)—ANTIQUITIES
Bader, O. N. [A burial mound near the village of Balanovo; history of the Volga Valley woodland in the bronze age] Balanovskii mogil'nik; iz istorii lesnogo Povolzh'ia v epokhu bronzy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 308 p.

BALASHIKHA DISTRICT—RELIGION
Which of the children believe in God? A. Dubovka. Nauka i rel. 4 no. 2:74-77 F '63.

BALASHOV, SERGEI MIKHAILOVICH, 1903-
In the prime of his talent. T. Nikolaeva. Ogonek 41 no. 13:2 Mr '63.

BALIASNA, RYVA NAUMIVNA
"Snow and solitude"; verse by R. Baliasna. Reviewed by N. A. Konchalovskaya. Znamia 33 no. 2:224 F '63.

BALKAN MOUNTAINS—GEOLOGY
Karpato-Balkanskaya geologicheskaya assotsiatsiya. 5. s'ezd. [Materials of the Fifth Conference of the Carpatho-Balkan Geological Association] Materialy. Kiev, Izd-vo Akad. nauk URSR, 1962. 309 p.

BALKHASH—CITY PLANNING
Ivanova, I. V. [Balkhash; planning and building development] Balkhash; planirovka i zastroyka. Pod red. S. O. Khan-Magomedova. Moskva, Gosstroiizdat, 1962. 112 p. (Opyt sovetskoi arkhitektury)

BALKHASH LAKE REGION—BERRIES
Growing berry plants in the desert of the southern Lake Balkhash Region. V. N. Demchenko. Trudy Inst. bot. AN Kazakh. SSR 14:93-117 '62.

BALKHASH LAKE REGION—PLANTS, EFFECT OF TEMPERATURE ON
Heat resistance of plants. B. I. Shcherbakov. Trudy Inst. bot. AN Kazakh. SSR 14:191-213 '62.

BALLADS, UKRAINIAN
Slovak translation of an Ukrainian ballad at the end of the first half of the 19th century. K. I. Danylo, Irena Subota. Nar. tvorch. ta etn. 6 no. 4:104-108 O-D '62.

BALLAST (RAILROADS)
Re-establish the original dimensions of the ballast road-bed. M. A. Chernyshev. ZheI. dor. transp. 45 no. 4 45-46 Ap '63.

BALLET
(see also subdivision under Kazakhstan; Leningrad; New York City; Saratov; Warsaw)
Birth of a ballet. N. Chernova. Smena 38 no. 12:26-27 Je '62.

On the ballet stages of foreign lands. V. Vladyskina. Kul't. i zhizn' 6 no. 11:32-34 '62.
Slonimskii, IU. I. [P. Chaikovskii's "Swan lake"] "Lebedinoe ozero" P. Chaikovskogo. Leningrad, Muzgiz, 1962. 76 p. (Sokrovishcha Sovetskogo baletnogo teatra)

Vserossiiskoe teatral'noe obshchestvo. Kabinet muzykal'nykh teatrov. [The musical theater and our times; problems in the development of Soviet ballet] Muzykal'nyi teatr i sovremennost'; voprosy razvitiia sovetskogo baleta. Moskva, Vseros. teatr. ob-vo, 1962. 107 p.

BALLET—STUDY AND TEACHING

Vaganova, A. Ia. [Fundamentals of the classical dance]
Osnovy klassicheskogo tantsa; uchebnoe posobie.
Leningrad, Izd-vo "Iskusstvo", 1963, 177 p.

BALLISTICS

Euler, Leonhard. [Ballistic studies. Translated from the German, French, and Latin] Issledovaniia po ballistike. Red. i predisl. B. N. Okuneva. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1961, 680 p. (Klassiki estestvoznaniia: Matematika, mekhanika, fizika, astronomiia) (RPB)

BALISTOCARDIOGRAPHY

Dynamics of ballistocardiographic data under the influence of oxygen treatment in patients with hypertension and stenocardia. Sov. med. 26 no. 1:23-28 Ja '63.

Dynamics of the ballistocardiogram in patients with rheumatic heart disease [with summary in English]. G. L. Agranonik. Vop. revm. 3 no. 1:71-75 Ja-Mr '63.

BALLOON ASCENSIONS see subdivision under United States

BAL'THERMANTS, DMITRII NIKOLAEVICH

Survey of the work of Dm. Bal'thermants. Sov. foto 22 no. 7:24 Ji '62.

BALTIC LANGUAGES—TRANSLITERATION

Superanskaja, A. V. [Transliteration of the Baltic languages and some general principles for unified phonetic transliteration] Transkriptsiia dlia pribaltiskikh jazykov i nekolorye obshchie printsipy unifikirovannoi foneticheskoi transkriptsi. Moskva, Akad. nauk SSSR, 1960, 15 p. tables (InU)

BALTIC PROVINCES—HISTORY

Peter I and the former Teutonic Order. L. Ia. Leament. Ist. zap. 73:300-305 '63.

BALTIC SEA REGION—GEOLOGY, STRUCTURAL

The Third Interrepublic Conference on the Study of Neotectonic Movements in the Baltic Region. V. K. Gudelis. Izv. AN SSSR. Ser. geog. no. 2:148-149 Mr-Apr '63.

BALTIC STATES—PEAT INDUSTRY

Fruitful collaboration. K. L. Krupnitskii. Torf. prom. 40 no. 2:34-35 '63.

BALTIC STATES—SCIENCE—HISTORY

Mezhrespublikanskaja konferentsiia po istorii nauki v Pribaltike. 4th. Riga, 1962. [Science in the Baltic States from the 18th to the beginning of the 20th century; abstracts of reports at the Fourth Inter-Republic Conference on the history of Science in the Baltic States] Nauka v Pribaltike v XVIII - nachale XX veka; tezisy dokladov. Riga, Akad. nauk Latvisskoi SSR, 1962, 231 p. (MH)

BALYKSHI—RETAIL TRADE

Specialization is a profitable business. N. Larina. I. Malashenko. Koop. Kazakh. 5 no. 12:10-11 D '62.

BALZAC, HONORE de, 1799-1850

Some characteristics of dialogue; on the dramaturgy of Balzac. V. F. Sedov. Uch. zap. LGU no. 283:129-139 '61.

BANACH SPACES

Coordinated spaces and infinite systems of linear equations. Part 3. IU. I. Gribanov. Izv. vys. ucheb. zav.; mat. no. 3:27-39 '63.

BANDAGES AND BANDAGING

More comfortable suspensories. R. V. Arsen'ev. Med. sestra 21 no. 12:45-46 D '62.

BANKS AND BANKING

(see also subdivision under Gorodok, Khmel'nitsky Provinces; Leningrad; Leningrad Province; Moscow; Near East; Nerekhta; Novomoskovsk District; Tula Province; Orekhovo-Zuyevo; Ukraine; Vinnitsa Province)

Averting the output of unmarketable products. O. Lavruskin. I. Novikov. Den. i kred. 21 no. 4:17-21 Ap '63.

Bank worker's honor. Den. i kred. 21 no. 4:30-32 Ap '63.

Experimental procedure for issuing credit to consumer cooperatives to finance the turnover of goods. Z. Fatkulina. Den. i kred. 21 no. 4:40-46 Ap '63.

Information on foreign exchange and banks abroad. Den. i kred. 21 no. 4:83-92 Ap '63.

Joint-stock commercial banks during the First World War. L. E. Shepelev. Ist. zap. 73:156-163 '63.

New features in State Bank control over capital investment plans. A. Ferberg. Fin. SSSR 37 no. 3:16-21 Mr '63.

On the Board of Directors of the State Bank of the U.S.S.R. Den. i kred. 21 no. 4:93-95 Ap '63.

Readers' letters. Den. i kred. 21 no. 4:55-61 Ap '63.

Statute of the Foreign Trade Bank of the U.S.S.R. Vnesh. torg. 43 no. 3:45-49 '63.

Work practice under the new conditions. A. Kiselev. M. Braverman. Den. i kred. 21 no. 4:47-50 Ap '63.

BANKS AND BANKING—ACCOUNTING

Mechanization of accounting in the Construction Bank. A. Tolstykh. Fin. SSSR 37 no. 3:38-42 Mr '63.

On the Board of Directors of the State Bank and the Presidium of the Central Committee of the Trade Union of Government Workers. Den. i kred. 21 no. 4:95 Ap '63.

BAR—DISTILLING INDUSTRIES—EQUIPMENT AND SUPPLIES

Work practices of the rectification shops of the Bar Distillery. P. S. Tsygankov, N. M. Kitalchuk. Khar. prom. no. 1:43-45 Ja-Mr '63.

BAR ASSOCIATIONS see subdivision under Kiev

BARABA STEPPE—DUCKS

Scaup Nyroca fuligula L. on the lakes of the Baraba Steppe. A. A. Shilo. Ornitologiya no. 4:297-302 '62.

BARANOV, PAVEL ALEKSANDROVICH, 1892-1962

In memory of P. A. Baranov, 1892-1962. E. M. Lavranko, L. E. Rodin. Izv. Vses. geog. ob-va 95 no. 1:99-100 Ja-F '63.

BARANOVICHI—INDUSTRIAL MANAGEMENT

In the effort for profitable production. I. Belobzhetskii. Fin. SSSR 37 no. 3:67-70 Mr '63.

BARBUSSE, HENRI, 1874-1935—BIBLIOGRAPHY see Bibliography—Barbusse, Henri, 1874-1935

BARENTS SEA—OCEAN TEMPERATURE

Water temperature and the productivity of zooplankton in the southern Barents Sea. IU. I. Galkin. Okeanologiya 3 no. 2:324-330 '63.

BARENTS SEA—ZOOPLANKTON

Water temperature and the productivity of zooplankton in the southern Barents Sea. IU. I. Galkin. Okeanologiya 3 no. 2:324-330 '63.

BARGES

Make steerage boosters available to pushed and sectional barge trains. A. Vasil'ev. Rech. transp. 22 no. 4: 24-25 Ap '63.

BARGES—EQUIPMENT AND SUPPLIES

Re-equipment of barges and dredging machinery. L. E. Kolmakov. Bitul. tekhn. ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:73-77 '62.

BARIUM ALUMINOSILICATES

Celsian barium aluminosilicates (germanates) of variable composition BaO. (Al₂Si₂O₇)₂. 2(Si₂Ge₂O₇)₂. R. G. Grebenshchikov. Izv. AN SSSR. Otd. khim. nauk no. 2:205-215 F '63.

BARIUM SELENITE

Heat of formation of barium selenite. Z. L. Leshchinskaja, N. M. Selivanova, I. S. Strel'tsov. Zhur. neorg. khim. 8 no. 3:763-764 Mr '63.

BARK

Anthocyanins of the bark of fruit crops and their dynamics in a year's time. D. P. Protsenko, K. I. Bohomaz, T. P. Korshuk. Vnysky Kyiv. un. no. 3. Ser. biol. no. 1:56-62 '60.

BARK BEETLES—EXTERMINATION see subdivision under Aramit' region

BARK INSCRIPTIONS

Kirk of Novgorod on birch bark inscriptions. IA. N. Shepavov. Sov. arkheol. 7 no. 2:251-253 '63.

BARLEY

Causes of different grain sizes in the ear of barley and wheat. IU. B. Kononov. Dokl. AN SSSR 149 no. 3: 728-730 Mr '63.

BARN—HEATING AND VENTILATION see subdivision under Uzbekistan

BAROMETER

Microbarometer with a microscope-micrometer. V. G. Pirogov. Izv. tekhn. no. 3:20-23 Mr '63.

BARSA-KEL'MES ISLAND—NATURAL HISTORY

Barsa-Kel'mes. V. L. Rashek. Priroda 62 no. 3:70-74 '63.

BARSA-KEL'MES PRESERVE—BIRDS

Materials on the ornithofauna of Barsa-Kel'mes Preserve. L. S. Stepanian, V. M. Galushin. Ornitologiya no. 4:200-207 '62.

BARYONS

On γ -symmetry of leptons in weak interactions and decays with $\Delta S = -\Delta Q$ [with summary in English]. E. M. Lipmanov. Zhur. eksp. i teor. fiz. 44 no. 4:1396-1400 Ap '63.

BASALT see subdivision under Donetsk Basin

BASHKIRIA—AGRICULTURAL CHEMISTRY

Nauchno-proizvodstvennaja konferentsiia po mikroelementam i ikh znacheniju v sel'skom khoziaistve Bashkirii. [Chemicalization of agriculture] Khimizatsiia sel'skogo khoziaistva; doklady i tezisy. Ufa, Bashkirskoe respublikanskoe pravleniye Vses. khim. ob-va im. D. I. Mendeleeva. Vol. 3, 1961, 49 p.

[DNAL MICROFILM]

BASHKIRIA—BAKERIES

In the Scientific and Technical Society of the Food Industry of the Bashkir A. S. S. R. N. A. Ipin'skii. Khlebo-kond. prom. 7 no. 4:44 Ap '63.

BASHKIRIA—OIL FIELDS—PRODUCTION METHODS

Bairak, K. A. [Economic significance of technical progress in petroleum production as exemplified by the Bashkir A. S. S. R.] Ekonomicheskoe znachenie tekhnicheskogo progressa v nefte dobyvalushchei promyshlennosti; na primere Bashkirskoi ASSR. Moskva, Gostoptekhizdat, 1963, 77 p.

BASHKIRIA—PETROLEUM—ANALYSIS

Ivchenko, E. G., and G. V. Sevast'yanova. [Types of oil petroleum in Bashkiria] Sornistvo i vyukhodnatsiye nefi Bashkirskoi ASSR; spravocnaja kniga. Moskva, Gostoptekhizdat, 1963, 232 p.

BASHKIRIA—PLANTS—FROST RESISTANCE

"Morphological and physiological periodicity and frost resistance of woody plants" by L. I. Sergeev, K. A. Sergeeva, V. K. Mel'nikov. Reviewed by N. I. Irlin. Bot. zhur. 48 no. 2:287-289 F '63.

BASHKIRIA—SOVIETS

Gangov, R. G. [Soviets Bashkiria in 1910-1920; based on materials of the Ufim Government] Sovetsy Bashkirii v 1910-1920 godakh; po materialam Ufimskoi gubernii. Ufa, Bashkirskoe knizhnoe izd-vo, 1961, 132 p. (GSI-II)

BASHKIRIA—WOODY PLANTS

"Morphological and physiological periodicity and frost resistance of woody plants" by L. I. Sergeev, K. A. Sergeeva, V. K. Mel'nikov. Reviewed by N. I. Irlin. Bot. zhur. 48 no. 2:287-289 F '63.

BASSANITE see subdivision under Bakhmut region (Ukraine)

BASTARDY see Illegitimacy

BATENKOV, GAVRIIL STEPANOVICH, 1793-1863

Borodavkin, A. P., and G. P. Shatrova. [G. S. Batenkov, a Decembrist] Dekabrist G. S. Batenkov. [Tomsk] Tomskoe knizhnoe izd-vo, 1960, 89 p. (Zamechatel'nye sibirniki)

[MICROFILM]

BATHS, MEDICATED

(see also subdivision under Alma-Ata Province; Kemeri; Malsenta)

Change in the antitoxic function of the liver in children with rheumatic fever during treatment with hydrogen sulfide baths. T. P. Borisova. Vop. kur., fizioter. i loch. fiz. kul't. 20 no. 1:30-44 '63.

BATHS, MOOR AND MUD

(see also subdivision under Muysky)

Change in the peripheral blood circulation under the influence of mud treatment in lesions of the nerves of the lower extremities, according to anesthesiology data. E. I. Manovich. Shor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. loch. no. 3:104-107 '60.

Effect of mud applications on some aspects of carbohydrate metabolism in animals. E. M. Diker. Vop. kur., fizioter. i loch. fiz. kul't. 20 no. 1:60-72 '63.

BAUMAN, NIKOLAI ERNESTOVICH, 1873-1905

BIBLIOGRAPHY see Bibliography—Bauman, Nikolai Ernestovich, 1873-1905

BAUXITE

(see also subdivision under Siberia; Turkey Gates) Genesis of minerals in bauxite of Mesozoic and Cenozoic platform deposits. K. F. Terent'eva, F. G. Pasova. Min. syr'e no. 4:3-24 '62.

BAYMAK DISTRICT—PUMPELLYITE

Pumpellyite and pumpellyite-bearing rocks from the Sibay deposit region (Southern Urals). V. M. Nekrasov. Khim. Zap. Vses. min. ob-va 92 no. 1:103-107 '63.

BAZILEVSKAYA, NINA ALEKSANDROVNA, 1902-

Nina Aleksandrovna Bazilevskaya; on her 60th birthday and the 40th anniversary of her scientific work. A. K. Skvortsov. Bot. zhur. 48 no. 3:465-466 Mr '63.

BEACONS

First successes. O. Strel'chenia. Rech. transp. 22 no. 4:20-31 Ap '63.

Light reflecting navigation beacons. M. Svetlov. Rech. transp. 22 no. 3:30-37 Mr '63.

New developments in the work organization of the beacon brigade. N. Zotin. Rech. transp. 22 no. 4:31-32 Ap '63.

BEAMS AND GIRDERS

(see also subdivision under Volkinsk Hydroelectric Power Station)

Calculations for I-beams subject to transverse loading. A. Z. Zarif'ian. Izv. vys. ucheb. zav.; stroit. i arkhit. 6 no. 3:3-7 '63.

Determining the flexure and needed height of welded crane beams without trusses. P. B. Gol'man. Vost. mashinostr. 43 no. 4:24-26 Ap '63.

BEAMS AND GIRDERS (Continued)

- Mastering the production of 18-meter prestressed beams. S. Blei. Prom. stroi. i inzh. soor. 5 no. 2:9-12 Mr '63.
- Plane problem for a system of beams with intermediate elastic layers [with summary in English]. L. A. Bezpal'ko, P. A. Zagubzhenko, I. A. Shevliakov. Prikl. mekh. 9 no. 3:315-321 '63.
- Secondary effects of the bending by a pair of beams with slightly bent axes. V. Kh. Metsugov. Trudy GPI [Gruz.] no. 6:113-122 '61.
- Solodkina, E. K. [Oblique bending. Eccentric tension and compression] Kosol izgib. Vnestsennoe rastizhenie i szhatie. Moskva, Mosk. aviatsionnyi in-t im. Sergo Ordzhonikidze, 1962, 24 p. [MICROFILM]
- Stability of a corrugated web subject to concentrated loading. G. A. Azhermachev. Izv. vys. ucheb. zav.; stroi. i arkh. 6 no. 3:50-53 '63.
- Using rubber washers in the manufacture of built-up beams. I. U. M. Mitrofanov, V. S. Berson. Avi. dor. 26 no. 4:14-15 Ap '63.

BEAMS AND GIRDERS—ELASTIC PROPERTIES

- Effect of the bending by a pair on the bending by a transverse force of a prismatic beam composed of various elastic materials. R. S. Minasian. Trudy GPI [Gruz.] no. 6:87-95 '61.
- Problem of the bending by a pair of a sectional orthotropic beam [in Georgian with summary in Russian]. N. I. Dargishvili. Trudy GPI [Gruz.] no. 6:69-79 '61.

BEAMS AND GIRDERS—TESTING

- Field tests of prestressed girders for the effect of transverse forces. V. P. Chirkov. Transp. stroi. 13 no. 4:53-57 Ap '63.

BEAMS AND GIRDERS—VIBRATION

- Calculating bending vibrations of a beam in case of hysteretic losses [with summary in English]. V. G. Tymoshenko. Prikl. mekh. 9 no. 1:33-41 '63.

BEANS—FERTILIZERS AND MANURES

- Effect of nutrition conditions on the growth of and nitrogen accumulation by fodder beans sown together with corn. M. M. Gukova, R. I. Bogomolova. Dokl. AN SSSR 149 no. 3:725-727 Mr '63.

BEANS—HARVESTING

- The Ziba-3, 5 bean harvester. B. Moliseenko. Tekh. v sel'khoz. 23 no. 1:50-51 Ja '63.

BEARING INDUSTRY see subdivision under Moscow;

BEARING INDUSTRY—MANAGEMENT see subdivision under Moscow

BEARING INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Moscow

BEARING METALS—HARDENING

- Studying the hardenability of bearing steel produced by the Chelyabinsk Metallurgical Plant. N. V. Kois and others. Stal' 23 no. 4:360-362 Ap '63.

BEARINGS (MACHINERY)

- "Antifriction bearings." Reviewed by M. E. Nelmark. Vest. mashinostr. 43 no. 4:87-88 Ap '63.
- Machining bushings on the URB-VP machine. I. Ovsianil'kov. Tekh. v sel'khoz. 23 no. 1:86 Ja '63.
- Stability zones in radial antifriction bearings. V. I. Fedorov. Vest. mashinostr. 43 no. 4:28-30 Ap '63.

BEARINGS (MACHINERY)—STANDARDS

- Standardization of sliding thrust bearings. A. M. Bubentsov, P. N. Polukanin. Standartizatsia 27 no. 3:17-24 Mr '63.

BEARINGS (MACHINERY)—TESTING

- Temperature conditions of the operation of crankshaft bearings of diesel engines. L. D. Shteinberg. Vest. TSNI MPS 22 no. 2:28-31 '63.

BEAUTY, PERSONAL

- Advice in beauty culture. Rab. i stal. 39 no. 2:22 F '63.
- "Ladies" advice. Rab. i stal. 39 no. 3:22-23 Mr '63.

BEDNYI, DEM'IAN, 1883-1945

- Poet and citizen. Sergei Smirnov. Sov. pech. no. 4:37 Ap '63.
- Poet of the party. A. Dymshis. Ogonek 41 no. 16:11-13 Ap '63.
- A poet who served the revolution; on the 80th anniversary of Dem'ian Bednyi's birth. S. Shap. Ukraina no. 7:18 Ap '63.

BEDNYI, DEM'IAN, 1883-1945—BIBLIOGRAPHY see Bibliography—Bednyi, Dem'ian, 1883-1945

BEE CULTURE

- (see also subdivision under Dobrush District)
- [Handbook for beekeepers] Spravochnik pchelovoda. Minsk, Gos. izd-vo sel'khoz. lit-ry BSSR, 1963. 360 p. (DNAL)

BEEF CATTLE—FEEDING AND FEEDS

- Results of the first year of work of the Central Administration for the Fattening of Cattle. P. Kozleh. Mias. ind. SSSR 33 [i.e. 34] no. 2:39-42 '63.

BEEES

- Khalifman, I. A. [Bees] Pchely. [Izd. 4., perer. i dop.] Moskva, Molodai gvardia, 1963, 397 p.

BEEET SUGAR see Sugar

BEETHOVEN, LUDWIG VAN, 1770-1827

- Beethoven's last sonatas. G. Neigauz. Sov. muz. 27 no. 4:67-72 Ap '63.
- "Beethoven's manuscript scores from 1802-1803." Reviewed by V. Protopopov. Sov. muz. 27 no. 3:132-136 Mr '63.
- Lenin listens to Beethoven. S. Dreiden. Sov. muz. 27 no. 4:5-11 Ap '63.
- "The letters of Beethoven" [in English] by Emily Anderson. Reviewed by N. Fishman. Sov. muz. 27 no. 1:130-135 Ja '63.

BEEETLES, FOSSIL

- Paleozoic beetles Cupedidea of the European part of the U. S. S. R. A. G. Ponomarenko. Paleont. zhur. no. 1:70-85 '63.

BEEETS

- Effect of Azotobacter on the activity of some enzymes in fodder and table beets. L. H. Brantsevych. Visnyk Kyiv. un. no. 2, Ser. biol. no. 1:91-102 '59.

BEHSTUN INSCRIPTIONS see Old Persian inscriptions

BELAYA KALITVA VALLEY—ANTIQUITIES

- Medieval settlements in the Belaya Kalitva Valley. S. A. Pietneva. Krat. soob. Inst. arkh. no. 90:39-44 '62.

BELAYA KALITVA VALLEY—CITIES AND TOWNS, MEDIEVAL

- Medieval settlements in the Belaya Kalitva Valley. S. A. Pietneva. Krat. soob. Inst. arkh. no. 90:39-44 '62.

BELAYA VALLEY (BASHKIRIA)—PASTURES AND MEADOWS

- Economic typology of natural forage lands in the floodplain of the Belaya River. B. M. Mirkin. Bot. zhur. 48 no. 2:223-230 F '63.

BELEBEY—EDUCATION

- Voluntary department of schools of the city committee. I. Salikhov. Part. zhizn' no. 8:85-87 Ap '63.

BELGIUM—POLITICS AND GOVERNMENT

- The Christian-Socialist Party of Belgium. N. Iur'ev. Mir. ekon. i mezhdunar. otn. no. 2:128-130 '63.

BELGIUM—SHIPBUILDING

- Belgian-built ships (from "Shipbuilding and Shipping Record," no. 5, 1962). Sudostroenie 29 no. 3:65 Mr '63.

BELGIUM—TRIALS (INFANTICIDE)

- The real culprits were not in the dock. Zhen. mira no. 3:26 '63.

BELGOROD—CONSTRUCTION INDUSTRY—MANAGEMENT

- Plans and their defects. E. Bozhenko, N. Petrachuk. Part. zhizn' no. 9:41-45 My '63.

BELGOROD-DNESTROVSKIY—FISH, CANNED

- Reducing the sterilization time of canned fish. B. L. Flaumenbaum and others. Ryb. khoz. 39 no. 4:64-67 '63.

BELGOROD PROVINCE—INSURANCE, SOCIAL—EMPLOYEES

- Under new conditions. N. Ugl'ik. Sots. obesp. 24 no. 4:16-17 Ap '63.

BELIAEV, VIKTOR MIKHAILOVICH, 1888-

- V. M. Beliaev; on his 75th birthday. I. U. Keldysh. Sov. muz. 27 no. 2:142-143 F '63.

BELINSKII, VISSARION GRIGOR'EVICH, 1811-1848

- [B. G. Belinskii in the reminiscences of his contemporaries] B. G. Belinskii v vospominaniakh sovremennikov. [Leningrad] Gos. izd-vo khudozh. lit-ry, 1962, 756 p. (MIU)

- V. G. Belinskii's student composition "Reason;" deciphering the letters "P. L." in the text. E. F. Reshetnikova. Nauch. dokl. vys. shkoly; filol. nauki no. 1:140-143 '63.

BELOVEZHSKAYA PUSHCHA—PARASITES—BLON, EUROPEAN

- Helminths of blon (Blon bonasus L.). M. I. A. Beliaeva. Trudy Kras. SKH 3 no. 1:154-158 '59.

BELOVEZHSKAYA PUSHCHA—WORMS, INTESTINAL AND PARASITIC

- Helminths of blon (Blon bonasus L.). M. I. A. Beliaeva. Trudy Kras. SKH 3 no. 1:154-158 '59.

BELOZERKA (ZAPOROZH'YE PROVINCE)—IRON MINES AND MINING

- Selecting a system for mining the Belozerska iron ore deposit. T. A. Kryzhanovskaya, G. I. Chernyi, P. G. Nesterov. Met. i gornorud. prom. no. 1:38-42 Ja-F '63.

BENCH MARKS

- Drilling boreholes and putting in bench marks in the roofs of high chambers. V. A. Pirugin. [Trudy] VNIMI no. 45:328-331 '62.

BENDING MACHINES

- Device for bending parts. V. S. Remenik. Mashinostroitel' no. 3:25 Mr '63.

BENTHOS see subdivision under Taimlyansk Reservoir

BENTONITE

- (see also subdivision under Kuznetsk Basin; Uzbekistan)

- Use of bentonite for the purification of glucose sirups. T. A. Ladur, I. P. Dubinskaya. Sakh. prom. 37 no. 3:58(218)-62(222) Mr '63.

BENZALDEHYDE

- Spectropolarimetric analysis. Report No. 1: Quantitative determination of benzaldehyde [with summary in English]. V. M. Potapov, A. P. Terent'ev, V. G. Avakian. Zhur. anal. khim. 18 no. 1:116-120 Ja '63.

BENZENE

- Alkylation of aromatic compounds by alcohols. Part 19: Reaction of 1-heptanol, 1-octanol, 1-nonanol, 1-decanol, and 1-hexadecanol with benzene. G. Kh. Khakimov, I. P. Tsukervank. Uzb. khim. zhur. 7 no. 1:76-80 '63.

- Autoxidation of p-dicyclohexylbenzene. I. N. Novikov, S. V. Zavgornodni. Dokl. AN SSSR 149 no. 4:853-855 F '63.

- Catalytic dehydrogenation of ethylbenzene to styrene on cadmium oxide in the presence of water vapors. V. A. Ferapontov, A. A. Baizandin, A. A. Tolstopiatova. Izv. AN SSSR, Otd. khim. nauk no. 3:414-423 Mr '63.

- Condensation of 1,4-dichloropentane with benzene. K. M. Shagmanov. Uzb. khim. zhur. 7 no. 1:57-59 '63.

- Dehydrogenation of cyclohexane and hydrogenation of benzene in a fluidized bed of an alumina-palladium catalyst. Kh. M. Minachev, V. I. Gerasim. Izv. AN SSSR, Otd. khim. nauk no. 3:528-531 Mr '63.

- Kinetics of the benzoyl peroxide-initiated polymerization of phenylacetylene [with summary in English]. I. M. Barkalov and others. Vysokom. soed. 5 no. 3:368-372 Mr '63.

- Reaction of phenylacetylene with trichlorosilane. V. F. Mironov, N. G. Maksimova. Izv. AN SSSR, Otd. khim. nauk no. 2:387-388 F '63.

- Solubility of paraffin in an acetone - benzene mixture. A. P. Grishin, A. P. Kodzoeva. Khim. i tekhn. topl. i masel. 8 no. 3:15-18 Mr '63.

BENZENE—ACOUSTIC PROPERTIES

- Acoustic and dielectric losses in the melting region of benzene. N. I. Koshkin, D. V. Sheloput. Prim. ul' tr. akust. k iskl. veshch. no. 16:91-95 '62.

BENZENE CRYSTALS—SPECTRA

- Luminescence of crystalline benzene. M. T. Shipak, A. V. Solov'ev, N. I. Sheremet. Izv. AN SSSR, Ser. fiz. 27 no. 4:510-511 Ap '63.

BENZENE DERIVATIVES

- Preparation of nucleus-methylated styrenes, α -methylstyrenes, and vinylisopropenylbenzene by the heterogeneous vapor-phase alkylation and dehydrogenation of aromatic hydrocarbons in a fluidized bed of oxide catalysts. I. U. G. Mamedaliev and others. Dokl. AN Azerb. SSR 19 no. 1:13-18 '63.

BENZENE HEXACHLORIDE

- Use of hexachlorocyclohexane with fertilizers in corn protection. I. G. Firsov. Zashch. rast. ot vred. i bol. 6 no. 8:32 Je '61.

BENZENESULFONYL CHLORIDE

- Mechanism of reactions involved in nucleophilic substitution at the sulfur atom in benzenesulfonyl chloride. R. V. Vizer, E. K. Savchuk. Ukr. khim. zhur. 29 no. 3:307-314 '63.

BENZILIC ACID

- Treatment of gastric and duodenal ulcer with metamizil; data of a district hospital. A. M. Rozovskii. Sov. med. 28 no. 1:82-84 Ja '63.

BENZIMIDAZOLECARBOXYLIC ACID

- Derivatives of 2-amino-1-methylbenzimidazole-5-carboxylic acid. A. M. Simonov, A. N. Lomakin. Zhur. VKHO 8 no. 2:234-235 '63.

BENZOHYDROXAMIC ACID

- Current-voltage characteristics of N-benzoylphenylhydroxylamine solutions. I. P. Almarin and others. Izv. AN SSSR, Otd. khim. nauk no. 3:567-569 Mr '63.

BENZOIC ACID

- Determination of benzoic, isophthalic, and terephthalic acids in their mixtures. M. S. Kodner, M. P. Filippov, L. F. Gushchina. Zhur. VKHO 8 no. 2:220-230 '63.

BENZOYL PEROXIDE

- Kinetics of the benzoyl peroxide-initiated polymerization of phenylacetylene [with summary in English]. I. M. Barkalov and others. Vysokom. soed. 5 no. 3:368-372 Mr '63.
- Possibility of phenyl radical isomerization in benzoyl peroxide reactions. G. A. Razuvaev, B. G. Zateev. Dokl. AN SSSR 148 no. 4:863-866 F '63.

BIBLIOGRAPHY—BUILDING

New books, SH, bud, 12 no. 5:24 My '62.

BIBLIOGRAPHY—BULGARIA

[New literature on Bulgaria] Nov. lit. po Bolg. no. 3 '63.

BIBLIOGRAPHY—BURYAT A.S.S.R.

Buryat Autonomous Soviet Socialist Republic. Kal. znam. i pam. dat. 8 no. 5:58-63 My '63.

BIBLIOGRAPHY—CANNING INDUSTRY

From the pages of newspapers. Kons. i ov. prom. 18 no. 5:45-46 My '63.

BIBLIOGRAPHY—CERAMICS

From the pages of foreign periodicals. Stek. i ker. 20 no. 3:42-45 Mr '63.

BIBLIOGRAPHY—CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

Bibliography. Khim. mashinostr. no. 2:47-48 Mr-Apr '63.

BIBLIOGRAPHY—CHEMICAL INDUSTRIES

Foreign literature on the economics of the chemical industry. Mir. ekon. i mezhdunar. otn. no. 4:95-97 '63.

BIBLIOGRAPHY—CHEMISTRY

[Chemistry; classed index of articles in foreign periodicals] Khim.; sl. uk. sl. v inostr. zhur. nos. 3-4 '63.

In the publishing house of the Academy of Pedagogical Sciences of the R. S. F. S. R. V. Fat'yanov. Khim. v shkole 18 no. 1:86 Ja-F '63.

New books. Khim. v shkole 18 no. 1:90 Ja-F '63.

New books. Khim. v shkole 18 no. 2:90-92 Mr-Apr '63.

News of science and technology abroad. Zhur. V KHO 8 no. 1:88-100 '63.

BIBLIOGRAPHY—CHUVASH LITERATURE

Dedushkin, N. S. [Chuvash literature during the Great Patriotic War, 1941-1945; a critical and bibliographical account] Chuvashskaya literatura perioda Velikoi Otechestvennoi voiny, 1941-1945 gg.; kritiko-bibliograficheskii ocherk. Choboksary, Chuvashskoe knizhnoe izd-vo, 1962, 154 p. (MH)

BIBLIOGRAPHY—COAL MINES AND MINING

Recent literature. Ugol' 38 no. 4:64 Ap '63.

BIBLIOGRAPHY—COMMUNISM

The first of May, the Day of the International Solidarity of the Workers. Kal. znam. i pam. dat. 8 no. 5:4-9 My '63.

BIBLIOGRAPHY—COMMUNIST COUNTRIES—TEXTILE INDUSTRY

Recommended reading on the textile industry of the countries of the socialist block. Tekst. prom. 23 no. 4:87-91 Ap '63.

BIBLIOGRAPHY—COMMUNIST EDUCATION

New books and articles. E. M. Braverman. Filz. v shkole 23 no. 1:103-106 Ja-F '63.

BIBLIOGRAPHY—COMMUNIST ETHICS

Against survivals of capitalism in consciousness and conduct. IU, Tugov. Bibliotekar' no. 2:25-29 F '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION

Twelfth Congress of the Russian Communist Party (Bolshevik). Kal. znam. i pam. dat. 8 no. 4:30-33 Ap '63.

BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION—SONGS AND MUSIC

[Bibliography of vocal works about Lenin and the party] Ukazatel' vokal'nykh proizvedenii o Lenine i partii. Leningrad, Sovetskii kompozitor, 1962, 80 p.

BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

New books. Arkhit. SSSR no. 4:83 '63.

BIBLIOGRAPHY—COSMIC PHYSICS

Annotations to the articles on geomagnetism and aeronomy appearing in vol. 5, nos. 4 and 5, 1962 of "Izvestia vysshikh uchebnykh zavedenii; radiofizika," published by Gorkiy University. Geomag. i aer. 3 no. 1:181-182 Ja-F '63.

BIBLIOGRAPHY—CZECHOSLOVAKIA

The Czechoslovak Socialist Republic. Kal. znam. i pam. dat. 8 no. 5:36-40 My '63. [New literature on Czechoslovakia] Nov. lit. po Chekh. no. 2/3 '63.

BIBLIOGRAPHY—CZECHOSLOVAKIA—INSTRUMENTS

Czechoslovak technical periodicals of 1962 (abstracts). Priborostroenie no. 4:32-3 of cover Ap '63.

BIBLIOGRAPHY—DIALECTICAL MATERIALISM

Russia (1923- U. S. S. R.) Upravlenie prepodavanii obshchestvennykh nauk. [List of the minimum required literature for those studying dialectical and historical materialism (for students not majoring in philosophy)] Spiski literatury kandidatskogo minimuma po dialekticheskoi i istoricheskoi materializmu (dlya nefilosofskikh spetsial'nostei). Moskva, [Gos. izd-vo "Vysshaya shkola, 1962] 14 p.

BIBLIOGRAPHY—DISSERTATIONS, ACADEMIC

Moscow. Publichnaya biblioteka. [Catalog of candidate and doctoral dissertations received by the Lenin Library and the State Central Medical Library during the second quarter of 1962] Katalog kandidatskikh i doktorskikh dissertatsii, postupivshikh v Biblioteku imeni V. I. Lenina i Gosudarstvennuiu Tsentral'nuiu nauchnuiu meditsinskuyu biblioteku vo 2-m kvartale 1962 goda. Moskva, 1962, 207 p.

BIBLIOGRAPHY—DISTILLING INDUSTRIES

From the scientific and technical literature. G. L. Oshman. Spirt. prom. 28 no. 3:44-46 '63.

BIBLIOGRAPHY—ECONOMIC HISTORY

New books published abroad. Mir. ekon. i mezhdunar. otn. no. 2:150-151 '63.

BIBLIOGRAPHY—ECONOMICS

Literature for students on national economy and occupations. Shkola i proizv. 7 no. 4:79-80 Ap '63. Literature on vocational orientation and vocational guidance for teachers. Shkola i proizv. 7 no. 4:78-79 Ap '63.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 nos. 4-5 Ap-Mr '63.

[New Soviet economic literature] Nov. sov. ekon. lit. no. 3 '63.

BIBLIOGRAPHY—EDUCATION, ELEMENTARY

What is going to be published by the State Publishing House for Pedagogical Literature for grade 1-4 teachers. A. N. Erokhova. Nach. shkola 31 no. 3:85-89 Mr '63.

BIBLIOGRAPHY—ELECTRIC ENGINEERING

Bibliography. Elektrosviaz' 17 no. 5:77-80, 3 of cover My '63.

BIBLIOGRAPHY—ELECTRIC METAL CUTTING

"Electric spark machining of conducting materials; a bibliography, 1955-1959." Reviewed by A. Shpolian-skala, I. Samarets. Sov. bibl. no. 1:49-53 '63.

BIBLIOGRAPHY—ELECTRIC POWER PLANTS

New books. Elek. sta. 34 no. 2:92 F '63.

BIBLIOGRAPHY—ELECTRICITY IN LUMBERING

Moscow. Tsentral'naya nauchno-tekhnicheskaya biblioteka legnoi i bumazhnoi promyshlennosti. [Mechanization and electrification of lumbering; bibliographical index of Soviet literature for 1922-1957] Mekhanizatsiia i elektrifikatsiia lesozagotovki; bibliograficheski ukazatel' otechestvennoi literatury za 1922-1957 gg. Moskva, Goslesbumizdat, 1959, 20 p.

BIBLIOGRAPHY—ELECTRICITY ON SHIPS

Electric equipment of ships. Sudostroenie 28 no. 4:39 Ap '63.

BIBLIOGRAPHY—ELECTRONIC APPARATUS AND APPLIANCES

Bibliography. Elektrosviaz' 17 no. 3:77-80 Mr '63.

Bibliography. Elektrosviaz' 17 no. 4:77-80 p. 3 of cover Ap '63.

BIBLIOGRAPHY—ETHNOGRAPHY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. no. 3 '63.

BIBLIOGRAPHY—ETHNOLOGY

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. no. 2 '63.

BIBLIOGRAPHY—EVENKI NATIONAL AREA

Urachan, V. N. [Soviet Evenki National Area; a bibliographical index] Sovetskaya Evenkiia; bibliograficheski ukazatel'. [Krasnoyarsk] Krasnoyarskoe knizhnoe izd-vo, 1962, 66 p. [MICROFILM]

BIBLIOGRAPHY—FISHERIES

New books on the fishing industry. Ryb. khoz. 38 no. 2: 93 '63.

New literature on the fishing industry. Ryb. khoz. 39 no. 4:98 '63.

BIBLIOGRAPHY—FOREST MANAGEMENT

Forestry abroad. Les. khoz. 16 no. 1:79 Ja '63.

BIBLIOGRAPHY—FORESTS AND FORESTRY

New books. Les. khoz. 16 no. 1:57 Ja '63. New books in the new year. Les. khoz. 16 no. 1:90-93 Ja '63.

BIBLIOGRAPHY—FORGING

New books on cold stamping for workers. Mashinostritel' no. 3:47-48 Mr '63.

BIBLIOGRAPHY—FOUNDING

New books on founding. Lit. proizv. no. 4:3 of cover Ap '63.

BIBLIOGRAPHY—GEOGRAPHY

Bibliography. I. S. Iun'ev. Geog. v shkole 26 no. 2: 94-95 Mr-Apr '63.

New books published by the State Training and Pedagogical Publishing House. V. A. Konshina. Geog. v shkole 26 no. 2:46 Mr-Apr '63.

The 1963 publications of the Publishing House of Geographical Literature. Geog. v shkole 26 no. 2:92-93 Mr-Apr '63.

Textbooks on the geography of one's province. A. Zimina. Geog. v shkole 26 no. 2:86-89 Mr-Apr '63.

BIBLIOGRAPHY—GEOLOGY

Leningrad. Publichnaya biblioteka. [The world in which we live; conversations about books] Mir, v kotorom my zhivem; besedy o knigakh. Leningrad, 1960, 12 fold. 1. List of works published by the personnel of the Institute of Geology of the Academy of Sciences of the Uzbek S. S. R., 1937-1962 (continuation). Uzb. geol. zhur. 7 no. 1:50-66 '63.

BIBLIOGRAPHY—GLASS

From the pages of foreign periodicals. Stek. i ker. 20 no. 3:42-45 Mr '63.

BIBLIOGRAPHY—HISTORY

Bookshelf. Prep. ist. v shkole 18 no. 2:120-123 Mr-Apr '63.

Foreign reviews of Soviet historical studies. Vop. ist. 38 no. 4:101 Ap '63.

Historical articles in periodicals published in socialist countries. Vop. ist. 38 no. 4:170-171 Ap '63.

New books. Vop. ist. 38 no. 4:161-163 Ap '63.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 nos. 4-5 Ap-May '63.

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. no. 3 '63.

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. no. 2 '63.

Studies published in Soviet historical periodicals. Vop. ist. 38 no. 4:163-166 Ap '63.

BIBLIOGRAPHY—HUNGARY

Hungarian People's Republic. Kal. znam. i pam. dat. 8 no. 4:7-11 Ap '63.

BIBLIOGRAPHY—INDUSTRIAL SAFETY

New books. Bezop. truda v prom. 6 no. 8:37 S '62.

New books. Bezop. truda v prom. 7 no. 4:38 Ap '63.

New books published by the professional publishing house. Bezop. truda v prom. 6 no. 8:38-39 Ag '62.

BIBLIOGRAPHY—INDUSTRY

New books and information materials received by the scientific and technical library of the Armenian Economic Council. Prom. Arm. 6 no. 1:76-77 Ja '63.

BIBLIOGRAPHY—INSECTS, INJURIOUS AND BENEFICIAL

From the pages of journals. Zashch. rast. ot vred. i bol. 6 no. 6:60-61 Je '61.

BIBLIOGRAPHY—INSTRUMENTS

From periodicals. Izv. tekhn. no. 3:84 Mr '63.

New books published in 1962. Priborostroenie no. 4: 31-32 Ap '63.

BIBLIOGRAPHY—INSURANCE, SOCIAL

To be published in 1963. Otkr. truda i sots. strakh. no. 4:45 Ap '63.

BIBLIOGRAPHY—INTERNATIONAL RELATIONS

Concise list of articles and documents on the problems of international relations for the first months of 1963. Mir. ekon. i mezhdunar. otn. no. 4:74-75 '63.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 nos. 4-5 Ap-May '63.

BIBLIOGRAPHY—KABARDINO-BALKAR A.S.S.R.

Published by a republic library. I. TSaregradskii. Bibliotekar' no. 2:57-61 F '63.

BIBLIOGRAPHY—KOLA PENINSULA

"Kola Peninsula; a bibliography of Soviet literature, 1930-1939." Reviewed by A. M. Sorokin. Sov. bibl. no. 1:55-60 '63.

BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

New books. Inostr. iaz. v shkole no. 1:116, 120, 122, 126-128 Ja-F '63.

[New Soviet literature on linguistics] Nov. sov. lit. po iaz. no. 3 '63.

BIBLIOGRAPHY—LATIN AMERICA

Akimova, M. A., S. M. Volakina, and A. M. Gorbunov. [Latin American countries; recommended list of literature] Strany Latinskoj Ameriki; rekomendatsii literatury. Moskva, Gos. biblioteka SSSR im. V. I. Lenina, 1962, 117 p.

BIBLIOGRAPHY—LAW

- Bibliography. Rad.pravo no. 2:157-160 Mr-Apr '58.
Bibliography. Rad.pravo no. 2:159-3 of cover Mr-Apr '63.
Brief review of new books. Rad.pravo no. 2:157-158 Mr-Apr '63.
Brief review of new books. Rad.pravo no. 3:158-164 My-Je '62.
Classified index of articles published in the second half of 1960 in the legal periodicals of the people's democracies. Izv.vys.ucheb.zav.; prav. 6 no. 2:174-184 '62.

BIBLIOGRAPHY—LENIN, VLADIMIR IL'ICH, 1870-1924

- Lenin lived, Lenin is living, and Lenin will live! K. Akimov. Klub 12 no. 2:16-17 F '63.
V. I. Lenin Memorial Day. Kal. znam. i pam. dat 8 no. 4:37-44 Ap '63.
V. I. Lenin's article "The immediate tasks before the Soviet regime." Kal. znam. i pam. dat 8 no. 4:45-48 Ap '63.
V. I. Lenin's article "Three sources and three constituent parts of Marxism." Kal. znam. i pam. dat 8 no. 4:34-36 Ap '63.
We recommend these books to our readers. Komm. Bel. 37 no. 3:80 Mr '63.

BIBLIOGRAPHY—LENIN IN LITERATURE AND ART

- [Bibliography of vocal works about Lenin and the party] Ukazatel' vokaln'kh proizvedenii o Lenine i partii. Leningrad, Sovetskii kompozitor, 1962, 86 p.

BIBLIOGRAPHY—LITERATURE

- "Bibliography of Russian bibliographies on foreign belles lettres and literary studies" by B. L. Kandell. Reviewed by E. P. Brandis. Sov. bibl. no. 1:53-55 '63.
[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. blui. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 6 nos. 11-14 Ap-May '63.
[Literature and art of the peoples of the U. S. S. R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 2 '63.

BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

- [New foreign literature on the study of literature] Nov. inostr. lit. po lit. no. 3 '63.
[New Soviet literature on the study of literature] Nov. sov. lit. po lit. no. 3 '63.

BIBLIOGRAPHY—LITHUANIA

- Vilna. Universitetas. Mokslinė biblioteka. [Old Lithuanian books in Vilna University; bibliographical index of publications prior to the 19th century] Senoji lietuviška knyga Vilniaus universitete; leidiniu iki 1800 m. bibliografinis rodyklė. Vilnius, 1959, 130 p. [in Lithuanian]

BIBLIOGRAPHY—LUMBER—DRYING

- Moscow. Tsentral'naya nauchno-tekhnicheskaya biblioteka lesnoi i bumazhnoi promyshlennosti. [Artificial drying of wood; bibliographical index of Soviet literature for 1950-1957] Iskusstvennaya suushka drevessny; bibliograficheski ukazatel' otechestvennoi literatury za 1950-1957 gg. Moskva, Goslesbumizdat, 1959, 32 p.

BIBLIOGRAPHY—LUMBER—TRANSPORTATION

- Research papers of students completed at the Department of Lumber Transportation. Trudy Ural. lesotekh. inst. no. 17:14 '60.

BIBLIOGRAPHY—LUMBERING—MACHINERY

- Moscow. Tsentral'naya nauchno-tekhnicheskaya biblioteka lesnoi i bumazhnoi promyshlennosti. [Mechanization and electrification of lumbering; bibliographical index of Soviet literature for 1922-1957] Mekhanizatsia i elektrifikatsia lesozagotovki; bibliograficheski ukazatel' otechestvennoi literatury za 1922-1957 gg. Moskva, Goslesbumizdat, 1959, 20 p.

BIBLIOGRAPHY—LYOV UNIVERSITY

- "Printed works of professors, instructors, and other members of the University of Lvov from 1844 to 1960; a bibliography." Reviewed by I. I. Kornelchik. Sov. bibl. no. 1:70-73 '63.

BIBLIOGRAPHY—MACHINERY INDUSTRY

- New books. Vest. mashinostr. 43 no. 4:89-92 Ap '63.
Review of foreign periodicals. Vest. mashinostr. 43 no. 4:92-94 Ap '63.

BIBLIOGRAPHY—MAGNETISM, TERRESTRIAL

- Annotations to the articles on geomagnetism and aeronomy appearing in vol. 5, nos. 4 and 5, 1962 of "Izvestia vysshikh uchebnykh zavedenii; radiofizika," published by Gorkii University. Geomag. i aer. 3 no. 1:181-182 Ja-F '63.

BIBLIOGRAPHY—MARINE ENGINEERING

- Design and operation of marine engines and boilers. Sudostroenie 29 no. 4:34-62 Ap '63.
Industrial organization and economics. Sudostroenie 29 no. 4:50 Ap '63.
Ship systems and devices. Sudostroenie 29 no. 4:25 Ap '63.
Technology of shipbuilding and marine engineering. Sudostroenie 29 no. 3:44 Mr '63.

Technology of shipbuilding and marine engineering. Sudostroenie 29 no. 4:47, 50 Ap '63.

BIBLIOGRAPHY—MARX, KARL, 1818-1883

- Karl Marx. Kal. znam. i pam. dat. 8 no. 5:10-16 My '63.

BIBLIOGRAPHY—MECHANICAL ENGINEERING

- Authors' abstracts of dissertations. Vest. mashinostr. 43 no. 4:89 Ap '63.

BIBLIOGRAPHY—MEDICINE

- "Dissertations for doctors' and candidates' degrees in medicine, 1951-1955; a bibliography." Reviewed by V. A. Nevskii. Sov. bibl. no. 1:79-80 '63.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2: Biological, medical, and agricultural sciences] Inform. blui. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 2: Biol., med. i sel'-khov. nauki 6 nos. 11-14 Ap-May '63.

Medical literature published by the zemstoos and its representation in the bibliographic indexes of the Pirogov Society of Physicians. Z. N. Zamkova. Sov. zdrav. 22 no. 4:56-59 '63.

- New books. Zdrav. Res. Feder. 6 no. 10:2-4 of cover O '62.
New books on medicine. Sov. zdrav. 22 no. 4:p. 3 of cover '63.

Sources of regional bibliographic data on the history of medicine and organization of public health service. I. A. U. Liubarskii. Sov. zdrav. 22 no. 4:50-56 '63.

BIBLIOGRAPHY—MENSURATION

- Akademii nauk URSS. Kiev. Institut mashynoznavstva ta avtomatyky. Lvov. [Studies on automatic control, remote control, and measurements] Nauchnye raboty po avtomatike, telemekhanike i izmeritel'noi tekhnike; annotirovannyi spravochnik za 1951-1961 gg. Kiev, Izd-vo Akad. nauk URSS, 1961, 71 p. (MH)

BIBLIOGRAPHY—MINING ENGINEERING

- Foreign periodical literature. Gor. zhur. no. 3:80 Mr '63.
Foreign periodical literature. Gor. zhur. no. 4:80-3 of cover Ap '63.

- New books on mining. Gor. zhur. no. 3:79 Mr '63.
New literature on mining. Gor. zhur. no. 4:79-80 Ap '63.

BIBLIOGRAPHY—MOTOR VEHICLES

- New books. Avi. prom. 28 no. 6:47-48 Je '62.
New books. Avi. transp. 4 no. 8:61-62 Ag '62.
New books. Avi. transp. 41 no. 3:64 Mr '63.

BIBLIOGRAPHY—MUSIC

- The following books have been published. Sov. muz. 27 no. 4:141 Ap '63.

- These books have been published. Sov. muz. 27 no. 3:139 Mr '63.

BIBLIOGRAPHY—NATURE PHOTOGRAPHY

- Photography of living nature. E. I. Turbina. Biol. v shkole no. 2:86 Mr-Apr '63.

BIBLIOGRAPHY—NAVAL ARCHITECTURE

- Design and handling of vessels. Sudostroenie 29 no. 4:25 Ap '63.

BIBLIOGRAPHY—NONFERROUS METALS

- New technical publications. TSvet. met. 36 no. 4:95-96 Ap '63.

BIBLIOGRAPHY—OCCUPATIONS

- Literature for students on national economy and occupations. Shkola i proizvod. 7 no. 4:79-80 Ap '63.

BIBLIOGRAPHY—OFFICIAL SECRETS

- Moscow. Publitsnaya biblioteka. Voennyi otdel. [De on your guard, be strict about protecting military and state secrets; a bibliography] Byt' bditel'nym, strogo khraniti' voennuiu i gosudarstvennuiu tajnu; rekomendateli'nyi ukazatel' literatury. Moskva, 1959, 24 p. (NNC)

BIBLIOGRAPHY—OILS AND FATS

- Review of articles from periodicals concerning the oil and fat industry. G. S. Frid. Masl. -zhir. prom. 29 no. 3:43-45 Mr '63.

BIBLIOGRAPHY—ORE DRESSING

- Russian and foreign literature on ore dressing. Obog. rud 7 no. 3:64-67 '62.
Russian and foreign publications on ore dressing. Obog. rud 7 no. 6:45-52 '62.
Russian and foreign publications on ore dressing. Obog. rud. 7 no. 4:58-61 '62.
Soviet and foreign publications on ore dressing. Obog. rud 7 no. 2:53-56 '62.

BIBLIOGRAPHY—PAINT

- Literature on paint materials and their application. Lakokras. mat. i ikh prim. no. 2:85-88 '63.

BIBLIOGRAPHY—PERM PROVINCE—AUTHORS

- Vershinskii, L. P., and S. D. Shirokova, comps. [Writers of Perm Province; a bibliographic reference] Pisateli Permskoi oblasti; bibliograficheski spravochnik. [Perm'] Permskoe knizhnoe izd-vo, 1962, 269 p.

BIBLIOGRAPHY—PHILOSOPHY

- New books. Vop. filos. 17 no. 4:164-172 '63.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 6 nos. 4-5 Ap-May '63.

[New foreign literature on philosophy] Nov. inostr. lit. po filos. no. 2/3 '63.

[New Soviet literature on philosophy] Nov. sov. lit. po filos. no. 3 '63.

BIBLIOGRAPHY—PHYSICAL EDUCATION AND TRAINING

- New books. Teor. i prak. fiz. kul't. 26 no. 4:56 Ap '63.

- New books. Teor. i prak. fiz. kul't. 26 no. 4:66 Ap '63.

BIBLIOGRAPHY—PHYSICS

- Dissertations defended in 1954-1962. Fiz. v shkole 23 no. 1:110-112 Ja-F '63.
New literature. It. A. Dollinskaia. Inzh. -fiz. zhur. 6 no. 3:133-139 Mr '63.

BIBLIOGRAPHY—PIONEERS (COMMUNIST YOUTH)

- Birthday of the Pioneer organization. Kal. znam. i pam. dat. 8 no. 5:46-50 My '63.

BIBLIOGRAPHY—PLANTS, PROTECTION OF

- Bookshelf. Zashch. rast. ot vred. i bol. 6 no. 6:61-62 Je '61.

- From the pages of foreign journals. Zashch. rast. ot vred. i bol. 6 no. 6:62 Je '61.

BIBLIOGRAPHY—POLAND

- [New literature on Poland] Nov. lit. po Pol'. no. 2 '63.

BIBLIOGRAPHY—POLAND—HISTORY

- "Bibliography of Polish history" [in Polish]. Reviewed by G. P. Pochepko. Vop. ist. 38 no. 4:166-168 Ap '63.

BIBLIOGRAPHY—POLITICS AND GOVERNMENT

- The Lenin way of control. Z. Fauslova. Bibliotekar' no. 4:25-29 Ap '63.

BIBLIOGRAPHY—POLYMERS

- New literature on polymeric materials. Plast. massy no. 3:77-80 '63.

BIBLIOGRAPHY—POWER ENGINEERING

- New books. Prom. energ. 10 no. 1:3 of cover Ja '63.

BIBLIOGRAPHY—PRESS

- Press Day. Kal. znam. i pam. dat. 8 no. 5:17-21 My '63.

BIBLIOGRAPHY—PSYCHOLOGY

- List of foreign literature on psychology received at the scientific libraries of Moscow in 1962. M. S. Rogovin. Vop. psikh. 9 no. 1:169-183 Ja-F '63.

BIBLIOGRAPHY—PUBLIC HEALTH

- Sources of regional bibliographic data on the history of medicine and organization of public health service. I. A. U. Liubarskii. Sov. zdrav. 22 no. 4:50-56 '63.
Tiflis. Nauchno-issledovatel'skii institut sanitarii i gigeny. [Bibliographic index of the works of the Scientific Research Institute of Sanitation and Hygiene] Bibliograficheski ukazatel' trudov nauchno-issledovatel'skogo instituta sanitarii i gigeny, 1928-1960 g. Tbilisi, 1962, 56 p.

[MICROFILM]

- BIBLIOGRAPHY—RACHMANINOFF, SERGEI, 1873-1943
S. V. Rachmaninoff. Kal. znam. i pam. dat. 8 no. 4:4-6 Ap '63.

BIBLIOGRAPHY—RADIO

- New books. Radiotekhnika 18 no. 2:p. 3 of cover F '63.
Radio Day. Kal. znam. i pam. dat. 8 no. 5:27-30 My '63.

BIBLIOGRAPHY—RAILROADS

- New books. Vest. TSNI MPS 22 no. 1:3 of cover '63.
New books. Vest. TSNI MPS 22 no. 2:3 of cover '63.

BIBLIOGRAPHY—RAILROADS—ELECTRIC EQUIPMENT

- New books on automatic control, remote control, and communications. Avtom., telem. i svyaz' 7 no. 4:48 Ap '63.

BIBLIOGRAPHY—RAILROADS—SIGNALING

- New books on automatic control, remote control, and communications. Avtom., telem. i svyaz' 7 no. 4:48 Ap '63.

BIBLIOGRAPHY—REFRIGERATION AND REFRIGERATING MACHINERY

- Books to be published during the second half of 1963. Khol. tekhn. 40 no. 2:61-65 Mr-Apr '63.

BIBLIOGRAPHY—RELIGION

- [New Soviet and foreign literature on the problems of religion and atheism] Nov. sov. i inostr. lit. po vop. rel. i ateiz. nos. 1-2/3 '63.

BIBLIOGRAPHY—REMOTE CONTROL

- Akademii nauk URSS. Kiev. Institut mashynoznavstva ta avtomatyky. Lvov. [Studies on automatic control, remote control, and measurements] Nauchnye raboty po avtomatike, telemekhanike i izmeritel'noi tekhnike; annotirovannyi spravochnik za 1951-1961 gg. Kiev, Izd-vo Akad. nauk URSS, 1961, 71 p. (MH)

BIBLIOGRAPHY—RETAIL TRADE

New publications. Koop. Kazakh. 5 no. 11:64 N '62.

BIBLIOGRAPHY—ROAD CONSTRUCTION

Literature on highway engineering in 1963. V. Chvanov. Avt. dor. 26 no. 4:28-29 Ap '63.

BIBLIOGRAPHY—RUSSIA

Formation and development of a regional bibliographical unit in Soviet libraries. A. V. Mamontov. Trudy LGBI 9:61-79 '61.

BIBLIOGRAPHY—RUSSIA—ECONOMIC POLICY

Bibliographical aids for students of the program of the CPSU. Polit. samobor. 7 no. 3:137-138 Mr '63.

May (1958) Plenum of the Central Committee of the CPSU. Kal. znam. i pam. dat. 8 no. 5:22-26 My '63.

BIBLIOGRAPHY—RUSSIA—POLITICS AND GOVERNMENT

Bibliographical aids for students of the program of the CPSU. Polit. samobor. 7 no. 3:137-138 Mr '63.

BIBLIOGRAPHY—RUSSIA—REVOLUTION, 1917-1921

"The Great October Socialist Revolution; a bibliography of documentary publications," edited by E. N. Gorodetski. Reviewed by N. M. Cheremishina. Sov. bibl. no. 1:46-49 '63.

BIBLIOGRAPHY—RUSSIAN LITERATURE

Bibliographical information as a feature in Russian literary journals of the first half of the 19th century. L. M. Ravich. Trudy LGBI 9:127-143 '61.

Gold mines. L. Rechmedin. Sov. pech. no. 4:45-47 Ap '63.

BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. biul. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 1: Fiz.-mat., khim. i geol.-geog. nauki; tekhn. i tekhn. nauki vol. 8 nos. 12-14 Ap-May '63.

New books. Vest. AN SSSR 33 no. 4:146-150 Ap '63.

New books and articles. E. M. Braverman. Fiz. v shkole 23 no. 1:103-106 Ja-F '63.

BIBLIOGRAPHY—SHIP HANDLING

Design and handling of vessels. Sudostroenie 20 no. 4: 25 Ap '63.

BIBLIOGRAPHY—SHIPBUILDING

Design and operation of vessels. Sudostroenie 20 no. 3:18 Mr '63.

Shipbuilding in foreign countries. Sudostroenie 20 no. 3:21 Mr '63.

Technology of shipbuilding and marine engineering. Sudostroenie 20 no. 3:44 Mr '63.

Technology of shipbuilding and marine engineering. Sudostroenie 20 no. 4:47, 50 Ap '63.

BIBLIOGRAPHY—SIBERIA, EASTERN—REVOLUTION, 1917-1921

First attempt at cooperative work. N. K. Potapova. Sov. bibl. no. 1:85-87 '63.

BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 6 nos. 11-14 Ap-May '63.

BIBLIOGRAPHY—SOVIETS

Recommended literature for the representatives of the Soviet people. Sov. deput. trud. no. 4:98-100 Ap '63.

BIBLIOGRAPHY—STOCK AND STOCKBREEDING

Recommendatory lists of literature on stockbreeding. A. F. Sadofev. Sov. bibl. no. 1:68-70 '63.

BIBLIOGRAPHY—SUGAR INDUSTRY

From pages of information bulletins of economic councils. P. K. Popov. Sakh. prom. 37 no. 3:78(238)-79(239) Mr '63.

From the new technical and agricultural literature. Sakh. prom. 37 no. 3:79(239) Mr '63.

BIBLIOGRAPHY—TAJIKISTAN—COMMUNIST PARTY OF THE SOVIET UNION

Nikolaeva, M. [The Communist Party of Tajikistan; annotated bibliographical index] Kommunisticheskaya partiya Tadzhikistana; annotirovannyi ukazatel' literatury. Dushanbe, Gos. respublikanskaya biblioteka Tadzhikskoi SSR, 1962. 329 p.

BIBLIOGRAPHY—TAJIKISTAN—MEDICINE

"Medicine in Tajikistan. Supplement No. 1: Bibliographic index (literature from the second half of 1957 to the second half of 1961)" by V. A. Nevskii. Reviewed by B. D. Petrov. Sov. zdrav. 22 no. 4:95-96 '63.

BIBLIOGRAPHY—TATAR LITERATURE—TRANSLATIONS INTO RUSSIAN

"Tatar literature in Russian translations; a bibliography" by A. G. Karimullin. Reviewed by A. A. Kuntina. Sov. bibl. no. 1:77-78 '63.

BIBLIOGRAPHY—TECHNOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 1: Physical, mathematical, chemical, geological, and geographical sciences; technology and technological sciences] Inform. biul. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 1: Fiz.-mat., khim. i geol.-geog. nauki; tekhn. i tekhn. nauki vol. 8 nos. 12-14 Ap-May '63.

New books. Vest. AN SSSR 33 no. 4:146-150 Ap '63.

[New foreign books. Series B: Technology] Nov. knigi za rub. Ser. B: Tekh. 7 nos. 4-5 Ap-May '63.

Principles for the selection of literature in the series of recommendatory bibliographies "Aids for workers engaged in all the processes of an operation." A. M. Shtyrkova. Sov. bibl. no. 1:40-45 '63.

Technical manuals for children. E. I. Kaplan. Sov. bibl. no. 1:73-76 '63.

BIBLIOGRAPHY—TELECOMMUNICATION

Bibliography. Elektrosviaz' 17 no. 4:77-3 of cover Ap '63.

Bibliography. Elektrosviaz' 17 no. 3:77-80 Mr '63.

Bibliography. Elektrosviaz' 17 no. 5:77-80, 3 of cover My '63.

BIBLIOGRAPHY—TEXTILE INDUSTRY

Recommended reading on the efficient utilization of raw materials, improvement of their quality, weight reduction in fabrics, and the reprocessing of reclaimed raw materials. Tekst. prom. no. 2:91-92 F '63.

What to read on widening the assortment and improving production quality in the textile industry. Tekst. prom. 23 no. 3:94-95 Mr '63.

BIBLIOGRAPHY—TRANSPORTATION, AUTOMOTIVE

New books. Avt. transp. 4 no. 8:61-62 Ag '62.

BIBLIOGRAPHY—UKRAINE—LAW

Legal studies published in the Ukraine in 1955-1957. Rad. pravo no. 1:154-158 [Ja-F] '58.

BIBLIOGRAPHY—UKRAINE—POLITICS AND GOVERNMENT

Useful and helpful publications; a review of the booklets and information bulletins of province executive committees. R. Bersheda. Rad. pravo no. 1:135-138 [Ja-F] '58.

BIBLIOGRAPHY—ULTRASONICS

Literature on acoustics and related subjects, 1962. Akust. zhur. 9 no. 2:254-257 '63.

BIBLIOGRAPHY—VOLKOV, FEDOR GRIGOR'EVICH, 1720-1763

F. G. Volkov. Kal. znam. i pam. dat. 8 no. 4:27-29 Ap '63.

BIBLIOGRAPHY—VOLOGDA PROVINCE

Love your region. N. Sharypova. Bibliotekar' no. 4: 38-39 Ap '63.

BIBLIOGRAPHY—WINE AND WINEMAKING

Index of the papers of the Department of Winemaking Technology of the Krasnodarsk Institute of the Food Industry published from 1925 to 1960. Trudy KIPP no. 22:15-26 '61.

BIBLIOGRAPHY—WOOD-USE INDUSTRIES

Moscow and Leningrad Lumbering and Paper Industry Publishing Houses, 1963. I. R. Basinkovich. Der. prom. 12 no. 2:2 of cover F '63.

BIBLIOGRAPHY—WORLD WAR, 1930-1945

Victory Festival. Kal. znam. i pam. dat. 8 no. 5:31-35 My '63.

BIBLIOGRAPHY (THEORY, METHODS, ETC.)

(see also subdivision under Lithuania; Rumania) Development of a Soviet subject bibliography of belles-lettres. I. G. Morgenshtern. Trudy LGBI 9:33-59 '61.

Formation and development of a regional bibliographical unit in Soviet libraries. A. V. Mamontov. Trudy LGBI 9:61-79 '61.

Problems in the bibliography of scientific and educational groups. D. I. U. Toplov. Trudy LGBI 9:87-86 '61.

Recommended bibliography of literary history for specialists. B. A. Bukhshtab. Trudy LGBI 9:13-31 '61.

Soviet theory of bibliography in the 1920's and 1930's. M. A. Briskman. Trudy LGBI 9:97-125 '61.

BIBLIOTHERAPY

Mass cultural practices conducted in a hospital. A. P. Shiriaeva. Med. sestry 21 no. 10:56-57 O '62.

BICHURIN, NIKITA IAKOVLEVICH, 1777-1853

Grigor'ev, P. G. [Nikita Iakovlevich Bichurin; a study] Nikita Iakovlevich Bichurin; ocherk, Shupashkar, Chuvash ASSR Gos. izd-vo, 1964. 61 p.

BICYCLE RACING

Determining the dimensions of panels for the turns of a velodrome. A. A. Alekseev. Nauch. trudy Tul. gor. inst. no. 3:168-164 '61.

Technology of the construction of the pavement of a velodrome. A. A. Alekseev. Nauch. trudy Tul. gor. inst. no. 3:154-158 '61.

Ways and means of inculcating moral and will power in bicycle racers. V. L. Kuznetsov. Teor. i prak. fiz. kul't. 26 no. 4:23-26 Ap '63.

BIDSTRUP, HERLUF, 1912-

Exhibition of Herluf Bidstrup's engravings. A. Krol'. Soob. Gos. Erm. no. 23:73-75 '62.

Our friend Herluf Bidstrup. Boris Vasil'ev. Kul't. i zhizn' 6 no. 11:30 '62.

BIG BUSINESS see subdivision under United States

BILE

Effect of Iatissu mineral water on the bile-secreting function of the liver in epidemic hepatitis (Botkin's disease) [in Armenian with summary in Russian]. Kh. G. Ramazanova. Azerb. med. zhur. no. 2:16-21 F '62.

BILE DUCTS—DISEASES

Electrophoretic study of blood plasma proteins in patients with acute surgical hepatobiliary diseases. V. S. Chepovakii. Klin. khir. no. 5:35-38 My '62.

BILE DUCTS—SURGERY

Tal'man, I. M. [Surgery of the gallbladder and bile ducts] Khirurgiya zhelchnogo puzrya i zholchnykh protokov. Leningrad, Medgiz, 1963. 431 p.

BILE DUCTS—TUMORS

Obturation of the extrahepatic bile ducts and the large duodenal papilla by polyp. M. I. Izrael'ev, N. P. Donich. Klin. khir. no. 5:78-80 My '62.

BILIARY CALCULI see Calculi, Biliary

BILJUNAS, JONAS, 1870-1907

Kapsukas, Vincas. [Works] Rastai. Vilnius, Valstybine grozines literaturos leidykla. [In Lithuanian] Vol. 5. 1962. 525 p.

BILL (ANATOMY)

Age changes of the beak in birds. A. P. Chmutova, L. M. Smirnova. Ornitologiya no. 4:418-422 '62.

Geographical variability of the bean goose. V. I. Krashkin. Ornitologiya no. 4:449-452 '62.

BINAGADY—BIRDS

New data on the birds of Binagady. N. I. Burchak-Abrahamovich. Ornitologiya no. 4:458-464 '62.

BINDING MATERIALS

New SKT-10 oil-free core binder. I. I. Naumov. Lit. protzv. no. 4:38-39 Ap '63.

Vsesobuznyi nauchnyi inzhenerno-stroitel'nyi institut. Kafedra stroitel'nykh materialov. [Inorganic binding materials] Neorganicheskie vlyazhushchie materialy; uchebnoe posobie dlia studentov, samostoiatel'no izuchaiushchikh kurs "Stroitel'nye materialy." Moskva, 1962. 87 p.

[MICROFILM]

BIOCATALYSTS

Study of the relations between vitamins-coenzymes and corresponding enzymes as related to the age of the animal and the effect of some substances proper to the organism [with summary in English]. S. Oeriu. Biokhimiia 28 no. 1:3-8 Ja-F '63.

BIOCHEMICAL SOCIETIES

In the All-Union Biochemical Society. E. V. Budnitskaya. Biokhimiia 28 no. 1:191 Ja-F '63.

BIOCHEMISTRY

"Active centers" and the nature of the catalytic action of enzymes. A. E. Braunchtein. Zhur. VKHO 8 no. 1: 81-84 '63.

Barashkov, G. K. [Chemistry of the algae] Khimiia vodoroel. Moskva, Izd-vo Akad. nauk SSSR, 1963. 141 p.

"Biochemistry" by D. L. Ferdman. Reviewed by M. I. Haisyn'ska. Ukr. biokhim. zhur. 34 no. 6:937-938 '62.

Molecular mechanisms of chemical mutagenesis. V. N. Krylov. Zhur. VKHO 8 no. 1:46-55 '63.

Pavlovskii, P. E., and V. V. Pal'min. [Biochemistry of meat and meat products] Biokhimiia miasa i miasoproduktov. Pod red. A. M. Kuzna. Moskva, Pishche-promizdat, 1963. 324 p.

Some basic problems of the biochemistry of sports. N. N. Iakovlev. Teor. i prak. fiz. kul't. 26 no. 3:56-61 Mr '63.

Use of biochemical preparations in stockbreeding. V. N. Bukin. Vest. AN SSSR 33 no. 4:22-37 Ap '63.

BIOCHEMISTRY—ABSTRACTS

[Biochemistry] Ref. zhur.: Biol. khim. nos. 9-10 My '63.

BIOCHEMISTRY—TERMINOLOGY

Biochemical dictionary. Zhur. VKHO 8 no. 1:95 '63.

BIOGRAPHY—BIBLIOGRAPHY see Bibliography—Biography

BIOLOGICAL OXIDATION see Oxidation, Physiological

BIOLOGICAL RESEARCH

- Biological science and practice. Priroda 52 no.3:3-4 '63.
New stage in the development of biology. V.M. Kaganov. Biol. v shkole no.2:7-10 Mr-Apr '63.
Toward the new triumphs of biological science. Biol. v shkole no.2:3-5 Mr-Apr '63.

BIOLOGY

- An important step on the way to communism. Nauch. dokl. vys. shkoly; biol. nauki no.2:7-11 '63.

BIOLOGY—ABSTRACTS

- [Biology] Ref. zhur.: Biol. nos.9-10 My '63.

BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

BIOLOGY—DICTIONARIES

- Bogorad, V.B., and A.S. Nekhtudova. [A concise dictionary of biological terms]. Kratkiy slovar' biologicheskikh terminov. Pod red. P.A. Genkella i P.M. Pravdina. Moskva, Uchpedgiz, 1963. 236 p.

BIOLOGY—JUVENILE LITERATURE

- "Extracurricular reading on biology" and "Children must love nature" by E.I. Turbina. Reviewed by K.I. Krasovskaya. Biol. v shkole no.2:87 Mr-Apr '63.

BIOLOGY—PHILOSOPHY

- Some methodological problems of biological science. M. Gulyi. Komm. Ukr. 38 no.3:54-61 Mr '63.

BIOLOGY—STUDY AND TEACHING

- (see also subdivision under Poland)
Don't break but improve the present system of biological education. K.N. Sokolov. Biol. v shkole no.2:39-40 Mr-Apr '63.
Let's retain the fundamentals of current biology curriculum while making its contents deeper. P.G. Metreveli. Biol. v shkole no.2:37-39 Mr-Apr '63.
"Pedagogical lectures" in 1963. M.I. Mel'nikov. Biol. v shkole no.2:88-89 Mr-Apr '63.
Teaching of the ninth grade biology course in connection with current development. M.Z. Lavrova. Biol. v shkole no.2:35-38 Mr-Apr '63.
We need further improvement of the biological education of secondary school students. I.G. Gavrilov. Biol. v shkole no.2:40-42 Mr-Apr '63.

BIOMATHEMATICS

- Simplification of the method for measuring microbe cells and other microscopic objects by means of mathematical calculations. I.E. Prokhorovich. Trudy MNIPP 2:101-108 '62.

BIOMETRY

- Ashmarin, I.P., and A.A. Vorob'ev. [Statistical methods in microbiological research]. Statisticheskiye metody v mikrobiologicheskikh issledovaniyakh. Leningrad, Medgiz, 1962. 179 p.

BIOSYNTHESIS

- Mechanism of intracellular regulation of biosynthesis of ribonucleic acids and their precursors. K.A. Kafiani. Zhur. V KHO 8 no.1:23-32 '63.
Nucleic acids and protein biosynthesis. V.S. Tongur. Vest. AMN SSSR 17 no.12:20-29 '62.

BIOTITE

- Alteration of layers in composite laminar structures of vermiculite - biotite. I.U.S. D'jakonov. Kristallografiya 7 no.8:878-881 N-D '62.

BIPHENYL

- Dolgin, N.P. [Units for heating chemical apparatus by means of high-temperature organic media]. Ustanovki dlya nagreva khimicheskoi apparatury vysokotemperaturnymi organicheskimi teplonositel'nyimi. Moskva, Mashgiz, 1963. 290 p.

- Polarographic study of p-nitrodiphenyl [with summary in English]. V.G. Bezuglyi, V.N. Dmitrieva, E.A. Preobrazhenskaya. Zhur. anat. khim. 18 no.1:126-130 Ja '63.

BIRCH

- (see also subdivision under Siberia)
Interesting facts. Ukraina no.4:8 F '63.
Occurrence of a monoclinal inflorescence in an introduced Japanese white birch. V.I. Nekrasov, L.S. Vartanov, N.A. Borodina. Bot. zhur. 48 no.3:436-440 Mr '63.
Regeneration of cork on the trunks of growing birches. E.I. Adamovich. Bot. zhur. 48 no.3:373-378 Mr '63.

BIRCH—DISEASES AND PESTS see subdivision under Polesys

BIRD DAY

- Evening dedicated to the Bird Day. E.V. Zherelina. Biol. v shkole no.2:78-80 Mr-Apr '63.
Museums aid in organizing a Bird Day. V.P. Gerasimov. Biol. v shkole no.2:72-74 Mr-Apr '63.

BIRDS

- (see also subdivision under Alexandra Land; Angara Valley; Barsa-Kel'mes Preserve; Bering Sea; Binagady; Bol'shezemel'skaya Tundra; Caucasus; Chernukha District; Dnieper Reservoir region; Kara-Kalpak A.S.S.R.; Kazakhstan; Kirghiz Range; Kurgal'dzhino Preserve; Lena Valley; Moscow region; Murman Coast; Repetek region; Siberia, Eastern; Siberia, Western; Taymyr Peninsula; Ural Mountains; Yakutia)
Notes of a naturalist [translated from the French]. Jean Olivier. IUn.nat. no.3:34-35 Mr '63.

BIRDS—AGING

- Age changes of the beak in birds. A.P. Chmutova, L.M. Smirnova. Ornitologiya no.4:418-422 '62.
Determining the age of birds from the length of our feathers. O.V. Mitropolskii. Ornitologiya no.4:416-417 '62.

BIRDS—ANATOMY

- Morphological characteristics of the structure of the tail and new theories of the evolution of sexual asymmetry in birds. P.A. Khranova'kyi. Vsiyky Kyiv.un. no.1. Ser. biol. no.2:113-121 '58.

BIRDS—BEHAVIOR

- Causes of nuptial excitation of birds in the fall. IE, O. Moshkov. Vsiyky Kyiv.un. no.3. Ser. biol. no.1:108-112 '60.
One day's activity of some sandpipers in the North. M.N. Denisova. Ornitologiya no.4:423-426 '62.
Under the protection of the strong. V.V. Leonovich, V.S. Zaitaev. Priroda 52 no.3:91-96 '63.

BIRDS—COLLECTION AND PRESERVATION

- Creation of a standard collection of birds of the world. V.F. Larionov. Ornitologiya no.4:467-468 '62.

BIRDS—EGGS AND NESTS see subdivision under Moscow region

BIRDS—EMBRYOLOGY see Embryology—Birds

BIRDS—FOOD

- Feeding habits of the young of the linnet Acanthis cannabina L. I.V. Prokof'eva. Nauch. dokl. vys. shkoly; biol. nauki no.2:46-48 '63.
Food of wrens in Leningrad Province. I.V. Prokof'eva. Ornitologiya no.4:98-102 '62.
Quantitative study of the feeding habits of ichthyophagous birds. N.N. Skokova. Ornitologiya no.4:288-298 '62.
Underwater feeders for water birds in the ponds of Moscow. A.A. Kalesnik, V.F. Larionov. Ornitologiya no.4:325-327 '62.

BIRDS—GEOGRAPHICAL DISTRIBUTION see subdivision under Gola

BIRDS—MIGRATION

- Molt and migration of birds. A.V. Mikheev. Ornitologiya no.4:336-347 '62.
Robins know how the stars move. Nauka i zhizn' 30 no.1:81-82 Ja '63.
Vertical migration of passerine birds of the Zeravshan Valley. A.K. Sagitov. Ornitologiya no.4:354-366 '62.

BIRDS—PHYSIOLOGY

- Evaluation of the energy indices of birds under field conditions. T.I. Blumental', V.R. Dol'nik. Ornitologiya no.4:394-407 '62.
Studying seasonal changes in the weight of small birds. A.I. I'vanko. Ornitologiya no.4:427-430 '62.

BIRDS, INJURIOUS AND BENEFICIAL

- New possibilities of attracting insectivorous birds for controlling harmful insects. P.A. Sviridenko. Zashch. rast. ot vred. i bol. 6 no.11:34-37 N '61.

BIRDS, PROTECTION OF

- Participation of students in the preservation and attraction of birds. N.I. Bobrikov. Biol. v shkole no.2:70-71 Mr-Apr '63.
Winter is over, the starlings are here. N. Izvekova. IUn.nat. no.3:32-33 Mr '63.

BIRDS IN WINTER

- Winter in a forest. N.N. Vorontsov. Nauka i zhizn' 30 no.1:92-95 Ja '63.

BISMUTH

- Conditions for the onset of fluctuations in the solid-liquid interface in bismuth. G.V. Komarov, A.R. Regal'. Fiz. tver. tela 5 no.3:773-777 Mr '63.
Effect of bismuth impurities on the heat conductivity and self-diffusion of selenium. B.D. Aliev, G.B. Abdullaev, G.M. Aliev. Trudy Inst. fiz. AN Azerb. SSR 11:5-10 '63.

BISMUTH—METALLOGRAPHY

- Effect of the sublayer temperature and the layer thickness on the structure of bismuth condensates. L.S. Palatnik, V.M. Kosevich, I.U. G. Litvinenko. Fiz. met. i metalloved. 15 no.3:371-378 Mr '63.

BISMUTH-ANTIMONY ALLOYS

- Temperature dependence of changes in the region of a weak magnetic field in bismuth and its alloys with antimony. G.A. Ivanov, A.M. Popov. Fiz. tver. tela 5 no.3:948-948 Mr '63.

BISMUTH FERRATES—MAGNETIC PROPERTIES

- Coexistence of antiferromagnetic and characteristic dielectric properties in the system BiFeO₃ - LaFeO₃. I.U. P. Roginskaya, I.U. N. Venevsky, G.S. Zhidakov. Zhur. eksp. i teor. fiz. 44 no.4:1418-1420 Ap '63.

BISMUTH TELLURIDE

- Diffusion and solubility of cadmium in bismuth telluride. B.I. Boltaks, N.A. Fedorovich. Fiz. tver. tela 5 no.3:944-946 Mr '63.

BISON, EUROPEAN—PARASITES see Parasites—Bison, European

BITUMEN

- Safety requirements for the UB mobile units. R.I.A. Estrin, N.S. Klachaturova. Stroitel'stvo. 6 no.4:29 Ap '63.

BITUMEN—GEOLOGY

- (see also subdivision under Apsheron Peninsula)
Bitumen formation in fresh water sediments. V.V. Vebber, A.I. Gorskaya. Geol. neft i gaza 7 no.4:26-33 Ap '63.
Bitumens in igneous rocks. V.N. Floreovskaya, V.G. Melkov. Min. syr'ye no.5:83-86 '62.
Lovenston, V.E. [Geochemistry of bitumen and its problems]. Geokhimiicheskaya bituminologiya i ee problemy. Moskva, Izd-vo Akad. nauk SSSR. Vol. 3, 1963. 190 p.

BITUMINOUS MATERIALS—TESTING

- Rheological conditions of bitumens for road construction. A.S. Kolbanovskaya, V.V. Mikhaitov, V.N. Solnikova. Avt. dor. 26 no.2:10-18 F '63.

BITUMINOUS ROOFING see Roofing, Bituminous

BIYA VALLEY—EROSION

- Modern gully erosion on the territory of the Biya-Chumysh Upland. A.S. Kruikov. Izv. Voen. geog. ob-va 85 no.1:77-79 Ja '63.

BLACK GROUSE see subdivision under White Russia

BLACK LEAD see Graphite

BLACK SEA—SHIPS—CARGO

- Some potentialities of the carrying capacity of the Black Sea merchant ships. G. Burdin, S. Portnagin, Mer. flot 23 no.1:5-6 Ja '63.

BLACK SEA—SULFUR ISOTOPES

- Isotope composition of sulfur compounds in the Black Sea [with summary in English]. A.P. Vinogradov, V.A. Grinenko, V.I. Ustinov. Geokhimiya no.10:651-673 '62.

BLACK SEA REGION—HISTORY

- "Pontus Euxinus" [in German] by Kh. Danov. Reviewed by I.B. Brushlinskii. Vop. lat. 38 no.4:190 Ap '63.

BLACKBODY RADIATION

- Experimental determination of the emissivity of platinum and platinum-rhodium wires [with summary in English]. S.G. Agabekov, A. Komarek. Inzh.-fiz. zhur. 8 no.3:99-102 Mr '63.

BLADDER

- Method of catheterization and washing of the urinary bladder. E.N. Parfonova. Med. sestry 21 no.12:31-36 F '62.

BLADDER—CANCER

- Tumors of the urinary bladder. M.D. Dzhabay-Zade. Med. sestry 21 no.12:36-41 D '62.

BLADDER—DISEASES

- Use of Sirab mineral water in pyelitis and pyelocystitis. B.U. Sultanov. Sbor. trud. Azerb. nauch.-issl. inst. kor. i fiz. metod. tech. no.3:139-142 '60.

BLANTER, MATVEI ISAAKOVICH, 1903-

- M.I. Blanter; on his 60th birthday. L. Utaev. Sov. muz. 27 no.2:144 F '63.

BLAST FURNACES

- (see also subdivision under Dnieper Economic region)

- Automatic control of thermal conditions in blast furnaces. I.A. P. Kulikov and others. Met. i gornorud. prom. no.1:8-10 Ja-F '63.
Investigating the processes in the stack and hearth of a blast furnace during smelting with sinter of Bakal and Sokolovka-Sarbay ores. V.I. Kholzakov and others. Stal' 23 no.4:297-300 Ap '63.

BLAST FURNACES—DESIGN AND CONSTRUCTION

- (see also subdivision under Kommunar)
Conference of blast furnace operators for the consideration of a 2700 m³ blast furnace design. Stal' 23 no.4:300-303 Ap '63.

BLASTING

(see also subdivision under Krivoy Rog Basin; Kurama Range; Kuznetsk Basin; Sverdlovsk Province)
Apparatus for laboratory hydraulic modeling seismic phenomena in mine workings. M.S. Antsyferov, R.F. Nikitchenko, N.G. Balakireva. Nauch. soob. IGD 11:118-125 '61.

Blasting techniques for pyrite mines subject to sulfide dust explosions. V.A. Zakharov, F.I. Chernlavskii. Bezop. truda v prom. 6 no. 6:23-26 Ag '62.

Calculating the width of the mass of broken rock resulting from blasting benches in pits. I.V. Glauer, Ugol' 38 no. 4:26-28 Ap '63.

Determining the yield of oversize during primary blasting. N.I. Zub, Transp. stroi. 13 no. 3:35 Mr '63.

"Energy of pressure waves in breaking rocks by blasting" by A.N. Khamukae; "Blast waves in soils" by G.M. Likhov and G.I. Pokrovskii. Reviewed by V.K. Rubtsov. Gor. zhur. no. 3:76-77 Mr '63.

Estimating the action of blasting operations on the stability of pit sides. M.A. Mikulinskii and others. Gor. zhur. no. 3:40-43 Mr '63.

Formation of poison gases and dust during blasting operations in underground workings. A.P. Ivanov, V.F. Sineeva. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:31-38 '62.

Increasing labor productivity in boring and blasting operations. V.N. Volnolovich, L.S. Parfenenko. Met. i gornorud. prom. no. 1:46-51 Ja-F '63.

New method of breaking ore masses with clusters of contiguous holes. A.V. Bud'ko. Gor. zhur. no. 4:40 Ap '63.

Pokrovskii, G.I., and A.A. Chernigovskii. [Calculation of charges in large-scale draw blasting] Raschet zariadov pri massovykh vzryvakh na vybros. Izd. 2., perer. i dop. Moskva, Gosgortekhlizdat, 1962. 84 p.

Reasons why blasting breaks rocks. F.A. Delaenko, R.P. Didyk. Gor. zhur. no. 4:32-35 Ap '63.

Short-delayed blasting with KZDSH-58 pyrotechnic relays. V.I. Tkachenkov, A.M. Pugo. Bezop. truda v prom. 6 no. 9:22-24 S '62.

Some results of observations of the effect of blasting on the stability of pit sides. I.A. Agva. [Trudy] VNIMI no. 45:106-112 '62.

Study of hydraulic control of the dust in the air during secondary crushing by the blasting method. S.P. Popovich. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:25-31 '62.

Study of the effect of jointing on the interaction of blasting charges. L.I. Baron, G.P. Lichell. Nauch. soob. IGD 11:103-109 '61.

Technology of boring and blasting operations in using continuous equipment in open pits. Sh. I.A. Shekmeister, A.F. Bogachev. Gor. zhur. no. 3:8-12 Mr '63.

Tight-face blasting on a large scale. K.B. Vernikovskii. Gor. zhur. no. 3:29-31 Mr '63.

Water blasting method of breaking oversized rocks in open pits. G.G. Lomonosov, S.N. Zver'kov. Gor. zhur. no. 4:35-37 Ap '63.

BLASTING—SAFETY MEASURES

Determining safe distances for detonation transmission. M.A. Sadovskii, I.I. Tamm, G.V. Bolakov. Bezop. truda v prom. 6 no. 8:5-9 Ag '62.

Tempel', G.G., and V.A. Likin. [Labor safety in working with explosives] Bezopasnost' truda pri rabote s vzrychatnymi veshchestvami. Moskva, Oborongiz, 1963. 57 p.

BLASTING—SAFETY REGULATIONS

In the State Mine Inspection of the Ukrainian S.S.R. Bezop. truda v prom. 7 no. 4:39 Ap '63.

BLASTING, SUBMARINE

Using underwater blasting in working sand and gravel deposits with suction apparatus. A.G. Shapar. Gor. zhur. no. 4:70 Ap '63.

Working rock under water. D.E. Gurevich, A.G. Volk. Transp. stroi. 13 no. 4:24-25 Ap '63.

BLASTING OIL see Nitroglycerin

BLEEDING see Hemorrhage

BLOOD

Adaptive characteristics of the blood in mammals. P.A. Korzhuev. Trudy Inst. morf. zhiv. no. 41:5-10 '62.

Characteristics of the blood of alpine animals. N.N. Bulatova. Trudy Inst. morf. zhiv. no. 41:11-46 '62.

Ecologic and physiologic characteristics of the blood in reindeer. V.K. Gorodetskii. Trudy Inst. morf. zhiv. no. 41:47-90 '62.

Ecologic and physiologic characteristics of the blood in shrews and moles. P.A. Korzhuev, T.I. Koretskaya. Trudy Inst. morf. zhiv. no. 41:129-136 '62.

Some characteristics of the blood and respiration in Karakul sheep. I.S. Nikol'skaya. Trudy Inst. morf. zhiv. no. 41:81-128 '62.

BLOOD—ACOUSTIC PROPERTIES

Experimental study of the acoustic properties of human blood for the purpose of diagnosing cancer. M.A. Gorbunov, M.M. Derkovskii, N.I. Koshkin. Prim. ul'trazvuk, k issl. veshch. no. 16:191-196 '62.

BLOOD—AGGLUTINATION

Hemagglutination inhibition reaction in the diagnosis of tick-borne encephalitis. S.P. Karpov, A.A. Selezneva. Vop. virus. 7 no. 6:740 N-D '62.

Study of influenza virus strains, type A2, by the use of hemagglutination retention reaction. A.I. Kir'lanova. Vop. virus. 7 no. 6:738 N-D '62.

Use of formalized chicken erythrocytes for reactions of passive hemagglutination and the neutralization of antibodies in plague. I.U. G. Suchkov. Lab. delo 9 no. 3:51-53 Mr '63.

BLOOD—ANALYSIS AND CHEMISTRY

Characteristics of the alcohol content in the blood of persons suffering from chronic alcoholism following the intake of small doses of alcohol. Z.G. Turova. Probl. sud. psikh. no. 12:153-160 '62.

Cholesterol, phospholipide, protein, and lipoprotein content of the blood serum in diabetes mellitus during treatment with sulfonylurea derivatives [with summary in English]. P.A. Shpitseki. Sov. med. 26 no. 1:38-42 Ja '63.

Effect of radioactive Ca⁴⁵ on the morphological composition of blood. N.A. Tokovoi, M.V. Anisimov. Trudy Kras. SKHI 3 no. 1:109-115 '59.

Quantitative changes in the formed elements of the blood and connective tissues, and blood serum proteins in M-1 sarcoma depending on the growth intensity of the tumor [with summary in English]. V. Rudzite. Izv. AN Latv. SSR no. 2:85-95 '63.

Ribonuclease in animal blood in the normal state and under the influence of DNA [with summary in English]. I.A. Hermeniuk. Ukr. biokhim. zhur. 34 no. 5:643-648 '62.

BLOOD—CIRCULATION

Change in the peripheral blood circulation under the influence of mud treatment in lesions of the nerves of the lower extremities, according to oscillographic data. E.I. Manevich. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. melod. lech. no. 3:104-107 '59.

Effect of hydrogen sulfide baths on the peripheral blood circulation after reconstructive surgery on the major extremity arteries [with summary in English]. R.M. Grigorian and others. Sov. med. 26 no. 1:46-51 Ja '63.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A.A. Kiselev. Probl. kosm. biol. 2:231-237 '62.

Some problems of blood transfusion in elderly and senile patients. A.M. Aptekareva. Trudy Kish. gos. med. inst. 12:19-21 '60.

BLOOD AS FOOD OR MEDICINE

Effect of formed blood elements on the healing of wounds of tendons and ligaments. A.A. Kuz'minykh. Trudy Kras. SKHI 3 no. 1:81-89 '59.

BLOOD CELLS

Cellular composition of peripheral blood in healthy rabbits. L.S. Musikhin. Lab. delo 9 no. 3:54-57 Mr '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrocytes. I.U. B. Kudrashov, E.N. Goncharenko, Shte IUI-khva [Hsieh Yu-hua]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:109-114 '63.

- BLOOD SUGAR**
Method of determining insulin and sugar in the blood by means of the anthrone reagent. I.U.E. Vel'tshev and others. Lab. delo 9 no. 3:30-34 Mr '63.
- BLOOD VESSELS—DISEASES**
Effect of meteorological factors on the course of vascular diseases. G.A. Tsiupko-Gran. Vrach, delo no. 3: 59-62 Mr '63.
- BLOOD VESSELS—INNERVATION**
Mechanism underlying sensitivity variations in the chemoreceptors of vessels in an aging organism. V.V. Frolikis, I.V. Shchegoleva. Dokl. AN SSSR 148 no. 4: 982-984 F '63.
- BLOOD VESSELS—LIGATURE**
Effect of ischemia on the content of some energy-rich components in skeletal muscles of rabbits [with summary in English]. V.M. Okuniev, A.O. Nykonova. Ukr. biokhim. zhur. 34 no. 6:871-875 '62.
- BLOOD VESSELS—PERMEABILITY**
Functional state of adrenal glands, vascular permeability and mucoproteins of the blood in arteriosclerosis [with summary in English]. I.M. Gandzha, B.E. Tartakovskaya, N.I. Kovaleva. Vrach, delo no. 3:34-37 Mr '63.
- BLUEPRINTING**
Obtaining blueprints on high-grade drawing paper. V.V. Antipov. Sudostroenie 29 no. 4:57-58 Ap '63.
- BLUMENFELD, FELIKS MIKHAILOVICH, 1893-1931**
From reminiscences, Aleksandr Gauk, G. Naigauz, S. Shlishteyn. Sov. muz. 27 no. 4:76-81 Ap '63.
Letters written by F.M. Blumenfeld. Sov. muz. 27 no. 4:81-83 Ap '63.
A memorandum, B. Asaf'ev. Sov. muz. 27 no. 4:74-76 Ap '63.
- BOARDING SCHOOLS**
(see also subdivision under Moscow)
Beyond the city line. V. Morozova. Ogonek 41 no. 18: 30 Ap '63.
Detachment of children of various ages. N. Karaseva. Shkola-int. no. 2:37-39 Mr-Apr '63.
For the children of shepherds. S. Seksenbaev. Shkola-int. no. 1:51-54 Ja-F '63.
Friends of a boarding school. M. Iulin. Shkola-int. no. 1:39-39 Ja-F '63.
Heart of a Communist. M. Bulgakova. Shkola-int. no. 1: 14-17 Ja-F '63.
In the Usman' Boarding School. P. Kashmenski. Nar. obr. no. 4:77-78, 80a-80d Ap '63.
It can't be otherwise. M. Egorova. Shkola-int. no. 1: 68-70 Ja-F '63.
Let's teach them to live and work in the communist way. Shkola-int. no. 1:1-3 Ja-F '63.
Let's work without repeating students. Shkola-int. no. 2: 1-3 Mr-Apr '63.
Method? Collective responsibility for each student. A. Kondratenkov. Shkola-int. no. 2:25-32 Mr-Apr '63.
Organizing extracurricular reading. E. Belova. Shkola-int. no. 1:43-47 Ja-F '63.
Our experience in socialist competition. M. Vinogradova. Shkola-int. no. 1:71-74 Ja-F '63.
"Petrograd Quarter" by L. Rubinshteyn. Reviewed by V. Bulgakov. Shkola-int. no. 2:76-77 Mr-Apr '63.
Power of trust. A. Kondratenkov. Shkola-int. no. 1: 8-13 Ja-F '63.
Thoughts about teachers. A. Levashin. Shkola-int. no. 1: 18-24 Ja-F '63.
"We, the children of boarding schools" by I. Druzhinin. Reviewed by S. Golitsyn. Shkola-int. no. 1:92 Ja-F '63.
Work on methods. V. Milonidi. Shkola-int. no. 2:42-46 Mr-Apr '63.
- BOARDING SCHOOLS—BIBLIOGRAPHY** see Bibliography—Boarding schools
- BOARDING SCHOOLS—FINANCE**
Every boarding school should have a reserve of its own means. A. Kosarev. Shkola-int. no. 1:74 Ja-F '63.
- BOARDING SCHOOLS—FURNITURE, EQUIPMENT, ETC.**
Interior decorating of a bedroom. V. Shikheev. Shkola-int. no. 2:71-75 Mr-Apr '63.
- BOARDS OF HEALTH** see Health boards
- BOATBUILDING**
Sectional combination boat. N.I. Kovalenko. Sudostroenie 29 no. 4:40-44 Ap '63.
- BOATBUILDING—BIBLIOGRAPHY** see Bibliography—Boatbuilding
- BOBRUYSK DISTRICT—RETAIL TRADE**
Behind the counter. I. Shukhman. Rab. i stal. 39 no. 4: 15 Ap '63.
- BOBRUYSK DISTRICT—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**
A mother of guerrilla fighters. V.M. Kun'ko. Rab. i stal. 39 no. 2:7-8 F '63.
- BOBRUYSK REGION—STATE FARMS**
A day. Halina Vaelenskaya. Rab. i stal. 39 no. 3:5-6 Mr '63.
- BOCCACCIO, GIOVANNI, 1313-1375**
Through the centuries. B. Bulat's'kiy. Ukraina no. 4: 8 F '63.
- BODY TEMPERATURE—REGULATION**
Akademiya meditsinskikh nauk SSSR, Moscow. Institut gigeny truda i profilaktoy. [Physiology of heat exchange and the hygiene of an industrial microclimate] Fizilogiya teploobmena i gigena promyshlennogo mikroklimata. Moskva, 1961. 365 p. [MICROFILM]
Likhtenshtein, V.A. [Temperature analyzer, its role normally and in some aspects of pathology] O temperaturnom analizatore i ego roli v norme i nekotorykh vidakh patologii. Makhachkala, Dagestan-skoe knizhnoe izd-vo, 1960. 183 p. (DNLM)
Malyshova, A.E. [Hygienic problems of radiation-heat exchange of man and his environment; radiation cooling] Gigenicheskie voprosy radiatsionnogo teploobmena cheloveka s okruzhayushchey sredoy; radiatsionnoe okhlazhdenie. Moskva, Medgiz, 1963. 241 p.
Participation of the venous thermoreceptors in chemical thermoregulation. N.F. Glebova. Dokl. AN SSSR 149 no. 3:742-745 Mr '63.
- BOHEMIAN MUSICIANS** see Musicians, Czech
- BOILER INSPECTION**
Russia (1917- R.S.F.S.R.) Gosudarstvennyi komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru. [Accidents and accident prevention in areas of boiler inspection] Avarii na ob'ektakh kotloнадзора i mery po ikh produprezhdeniyu; informatsionnoe pis'mo. Moskva, Gosgortekhnizdat, 1962. 87 p.
- BOILERS**
Akademiya kommunal'nogokhoziaistva. [Automation of gas water-heating boilers] Avtomatizatsiya vodogreynykh otopitel'nykh kotel'nykh na gazo; tematische skil sbornik. Moskva, Gosgortekhnizdat, 1962. 106 p.
Automatic system for feeding phosphate into the feed water of boilers. A.I. Chistikov, L.A. Khuyin. Energetik 11 no. 3:10-11 Mr '63.
Block-type feed-water economizers made from cast iron. Prom. energ. 18 no. 1:64 Ja '63.
Concerning the use of waste coal. N.D. Kuznetsov. Prom. energ. 18 no. 1:8-9 Ja '63.
Conversion of DKV and DKVR boilers from operation on solid fuel to operation on liquid and gaseous fuels. Prom. energ. 17 no. 8:46 Ag '62.
Critical thermal loads and heat emission during forced motion of water in pipes in the region of supercritical pressures (175-220 atm.). A.P. Ornatkii. Teploenergetika 10 no. 3:66-69 Mr '63.
DKVR-2013 boilers with 20 ton/hour evaporative capacity and 13 kg./cm² pressure. Prom. energ. 17 no. 8: 53-54 Ag '62.
Decrease in the expenditure of electric power in the exhaust fans of boilers. A.V. Lushin. Teploenergetika 10 no. 3:56-58 Mr '63.
Distribution of the intensity of the radiation of a torch along the height of furnace walls. I.P. Epik, A.A. Ots. Teploenergetika 10 no. 3:51-53 Mr '63.
Economical temperature of waste gases with the installation of a surface heat exchanger after the boiler. N.P. Kariagin. Izv. vyz. ucheb. zav. i stroit. i arkhit. 6 no. 3: 103-115 '63.
Experimental study of threshold boiling conditions with inertial overloads. D.A. Labutsov, Z.S. Abdusattorov. Teploenergetika 10 no. 3:70-74 Mr '63.
Heat transfer in a ribbed feed-water economizer in a boiler system operating on natural gas. F.P. Kazakevich and others. Teploenergetika 10 no. 3:54-56 Mr '63.
Improve the quality of steam boiler production. E.G. Sen'kin. Bezop. truda v prom. 6 no. 8:20-21 Ag '62.
Improvement of the separators of the BKZ-50-30F boiler. R.I. Pomirchii. Energetik 11 no. 3:7-8 Mr '63.
Mobile fuel oil operated boilers. I.M. Liando. Prom. energ. 18 no. 1:27-28 Ja '63.
Modernization of A-7 Shukhov-Berlin boilers. M.I. Leftman. Prom. energ. 17 no. 8:20-22 Ag '62.
Modernization of Shukhov-Berlin system boilers operating on liquid and gaseous fuels. P.I. Oganov and others. Prom. energ. 17 no. 8:13-20 Ag '62.
Optimum temperature of flue gases with a capped heat exchanger installed behind a boiler. N.P. Kariagin. Prom. energ. 18 no. 4:14-16 Ap '63.
Possibility of the presence of hydrazine in the steam of boilers. I.U. Kostrikin, N.M. Kalinina. Teploenergetika 10 no. 3:17-18 Mr '63.
Selection of optimum design parameters and networks for connecting regenerative heaters of large condensing electric power plants. L.S. Popyrin and others. Elek. sta. 34 no. 2:20-26 F '63.
Shut-off devices for supercritical pressures. N.IA. Fogel'gezang. Elek. sta. 34 no. 2:17-20 F '63.
- The TP-100 boiler units. Energetik 11 no. 3:31-32 Mr '63.
Use of sodium nitrite for conserving boilers. D.IA. Kagan. Energetik 11 no. 3:27-28 Mr '63.
Use of 300 atm. steam pressure and temperatures of 650° C in an experimental boiler of the All-Union Heat Engineering Institute. K.A. Rakov, V.A. Nechayev, V.P. Pignolev. Elek. sta. 34 no. 2:7-12 F '63.
Utilization of the heat of exhaust gases of large boilers. Z.M. Feigel'man. Prom. energ. 18 no. 4:4-6 Ap '63.
Water conditions of low-capacity steam boilers. P.S. Kotliar, V.B. Gonor. Bezop. truda v prom. 6 no. 8: 13-15 Ag '62.
- BOILERS—ABSTRACTS**
[Boiler manufacture] Ref. zhur.: Kottlostroenie nos. 4-5 Ap-May '63.
- BOILERS—CLEANING**
Chemical purification of once-through type boilers using trilon B. A.P. Mamet, I.U. O. Novyi, V.A. Taratuta. Elek. sta. 34 no. 2:12-18 F '63.
- BOILERS—CORROSION** see subdivision under Lye
- BOILERS—FIRING**
Experience in the operation of small boiler units fired with milled peat. A.P. Solov'ev, V.N. Kabanov. Tsel. prom. 40 no. 3:34-35 '63.
Improving the burning of mazut in boiler rooms. B.I. Bulgakov. Sakh. prom. 37 no. 3:28(188)-32(192) Mr '63.
- BOILERS—SAFETY APPLIANCES**
Water level indicator for steam boilers. N.N. Ivanov. Bezop. truda v prom. 7 no. 4:33 Ap '63.
- BOILERS—SAFETY REGULATIONS**
Clarification and addition to different articles from the "Safety engineering regulations for operating steam boilers." Prom. energ. 17 no. 8:45 Ag '62.
Russia (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru. [Safety regulations for the installation and operation of steam boilers] Pravila ustroystva i bezopasnoi ekspluatatsii parovykh kotlov. Obiazatel'ny dlya vsekh ministerstv i vedomstv, izd. 5. V sostoizhshchee izd. Pravil vneseny izmeneniya i dop. prilozhenie Gosgortekhnadzoru RSFSR. Moskva, Gosgortekhnizdat, 1963. 86 p.
- BOILERS, MARINE**
Automatic control system for the main steam boilers of the tanker "Dzhuzeppe Garibaldi." G. Vlasov. Mor. flot 23 no. 1:27-30 Ja '63.
Power plant on the tank vessel "Mir." I. E. Landa. Blul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:38-50 '62.
Study of mutual relationship between aerodynamic and convective heat exchange in the gas conduits of watertube marine boilers. A.N. Khozo, O.N. Lebedev. Trudy MIIT no. 139:200-209 '61.
Turbo feed-pumps for KVG25 and KVG34 boilers. V.I. Enin. Blul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:18-27 '62.
- BOILERS, MARINE—CLEANING**
Acid cleaning of steam boilers. V. Orlov. Mor. flot 23 no. 1:36-36 Ja '63.
- BOILERS, MARINE—COOLING**
Automatic control of superheated steam temperature in marine boilers with injection-type steam cooling systems. V.P. Kolmychikov. 20 no. 4:29-31 Ap '63.
- BOILERS, MARINE—MAINTENANCE AND REPAIR**
Adjustment of boiler feed regulators. A.V. Yakovlev. Blul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:78-81 '62.
- BOL'SHE-NARYMSKOYE—COOPERATIVE SOCIETIES—AUDITING AND INSPECTION**
Control in operation. I.U. Koshelev. Koop. Kazakh. 5 no. 12:40-41 D '62.
- BOL'SHEZEMEL'SKAYA TUNDRA—BIRDS**
Materials on birds of the Vokuta area (eastern Bol'shezemel'skaya Tundra). N.A. Gladkov. Ornithologiya no. 4:15-28 '62.
- BOL'SHEZEMEL'SKAYA TUNDRA—GEOLOGY, STRATIGRAPHIC**
Neogene sediments of the Bol'shezemel'skaya Tundra. V.I. Belkin. Dokl. AN SSSR 149 no. 3:860-862 Mr '63.
- BOLTS AND NUTS**
Bogdanov, T.M. [Joints of metal elements made with high-strength bolts] Soedineniya metallicheskiikh konstruktiv na vysokoprotchnykh boltakh. Moskva, Transzheldorizdat, 1963. 109 p.
- BONDS, CHEMICAL** see Chemical bonds
- BONE CARVING** see subdivision under Staraya Ladoga; Ukraine

BONE MARROW see Marrow

BONES—DISEASES

Significance of tomography in timely detection of symptomless tuberculous osteitis in children. S. L. Firer. *Zdrav. Turk.* 7 no. 2:21-23 F '63.

BONES—RADIOGRAPHY

Röntgenological method for studying the metabolism of mineral substances in hens. E. I. Smirnova. *Trudy Kras. SKHI* 3 no. 1:159-163 '59.

Significance of tomography in timely detection of symptomless tuberculous osteitis in children. S. L. Firer. *Zdrav. Turk.* 7 no. 2:21-23 F '63.

BONES—SURGERY

Stimulating effect of aero- and heliotherapy on bony tissue regeneration. M. S. Zhukhovitskii. *Vop. kur., fizioter., i lech. fiz. kul't.* 28 no. 1:10-14 '63.

BONUS SYSTEM

(see also subdivision under Bulgaria; Europe, Eastern)

Material incentives for the creation and introduction of new equipment. I. G. Isakovskii. *Transp. stroit.* 13 no. 4:44-46 Ap '63.

Procedure for issuing bonuses to workers of enterprises for economizing on fuel, electricity and heat. F. Gorin, N. Kaminskii. *Sots. trud* 8 no. 4:135-138 Ap '63.

Several problems of material incentives. N. Garetovskii. *Fin. SSSR* 37 no. 3:8-15 Mr '63.

Throwing dust in one's eyes. A. Sokol'skii. *Fin. SSSR* 37 no. 4:75-76 Ap '63.

BONUS SYSTEM—CONGRESSES

Problems of work and material incentives at a conference of economic scholars. B. Edin. *Sots. trud* 8 no. 4:140-143 Ap '63.

BOOK INDUSTRIES

Al'tshul', G. N. [Study of the book trade] *Tovarovedenie knigi.* Moskva, Izd-vo Tsentrrosozusa, 1962, 534 p.

BOOKBINDING

Manufacture of high-strength editions. A. V. Sidorova, T. E. Tsigel'man. *Poligr. proizv.* no. 3:25 Mr '63.

BOOKBINDING—MATERIALS, ETC.

Binding paper. V. IU. Tret'iakova. *Standartizatsiia* 27 no. 2:43 F '63.

BOOKPLATES see subdivision under Lvov

BOOKS—REVIEWS

Brief remark on brevity. Viktor Shklovskii. *Sov. pech.* no. 3:25 Mr '63.

New books. *Komm. Ukr.* 38 no. 3:95-96 Mr '63.

We recommend these books to our readers. *Rab. i stal.* 39 no. 3:11 Mr '63.

BOOKS AND READING

A book is a friend, adviser and teacher. Gabiden Mustafin. *Koop. Kazakh.* 5 no. 11:57-58 N '62.

BOOKSELLERS AND BOOKSELLING

(see also subdivision under Germany, East; Ivano-Shanshevo; Kazakhstan; Odessa; Ruzayevka District, Kokchetav Province; Saratov; Ukraine)

The discussion should be continued. K. Astakhov. *Sov. knizh. torg.* 14 no. 4:30-37 Ap '63.

The experience of our comrades is our property. L. Popova. *Sov. knizh. torg.* 14 no. 4:42 Ap '63.

Fortieth anniversary of "Mezhdunarodnaia kniga." D. Bekleshev. V. Arkhipov. *Vnesh. torg.* 43 no. 4:40-46 '63.

How we study progressive practices. D. Guzachov. *Sov. knizh. torg.* 14 no. 4:40-41 Ap '63.

Legal advice. *Sov. knizh. torg.* 14 no. 4:45 Ap '63.

"No." Why? *Sov. knizh. torg.* 14 no. 4:13-16 Ap '63.

People of deeds in the book world. B. Udler. *Sov. knizh. torg.* 14 no. 4:28-29 Ap '63.

Raise the culture of booksellers! *Sov. knizh. torg.* 14 no. 4:1-2 Ap '63.

The training of highly qualified personnel. N. Skrypnov, M. Kneifets. *Sov. knizh. torg.* 14 no. 2:34-35 Ap '63.

What are the rights and obligations of directors of bookstores? V. Shul'kevich. *Sov. knizh. torg.* 14 no. 4:25 Ap '63.

Why does Lusla need Anatole France? Vlk, Bragovskii. *Sov. knizh. torg.* 14 no. 4:26-27 Ap '63.

BOOTS AND SHOES—REPAIRING

Draft of a price list for shoe repairing remained a draft. A. Ryndich, V. Golovinkin, I. Khabinskii. *Mest. prom. i khud. promys.* 4 no. 3:16-19 Mr '63.

To find a solution you have to search for it. B. Grachev. *Mest. prom. i khud. promys.* 4 no. 3:24-25 Mr '63.

BOOTS AND SHOES—SPECIFICATIONS

Stylish shoes. V. Komarova. *Sov. torg.* 36 no. 2:26-32 F '63.

BOOTS AND SHOES, RUBBER—STANDARDS

Rubber for footwear. Z. V. Kirsanova, A. M. Blitman, IU. S. Nebarakov. *Standartizatsiia* 27 no. 4:47-48 Ap '63.

BORDER PATROLS

(see also subdivision under Uzbekistan)

Tracks stop at the seashore (to be concluded). Anatolii Romov. *Smena* 39 no. 16:22-25 Ag '62.

Tracks stop at the seashore (conclusion). Anatolii Romov. *Smena* 39 no. 17:16-18 S '62.

BORDER PATROLS—BIBLIOGRAPHY see Bibliography—Border patrols

BORIC ACID

Experimental study of the solubility of boric acid in saturated steam. D. G. Tskhvirashvili. *Trudy Inst. energ. AN Gruz. SSR* 16:63-66 '62.

BORING

(see also subdivision under Azerbaijan)

Boring holes with flushing in upraise workings. IA. K. Provorov. *Bezop. truda v prom.* 7 no. 4:29 Ap '63.

Comments on M. Z. Burav's article "Improve the methods and means for blasthole drilling." F. Galadzhii, V. Stikachev. *Bezop. truda v prom.* 6 no. 9:30 S '62.

Drilling boreholes and putting in bench marks in the roofs of high chambers. V. A. Pirugin. [Trudy] VNIMI no. 45:320-331 '62.

Increasing labor productivity in boring and blasting operations. V. N. Voinalovich, L. S. Parfenenko. *Met. i gornorud. prom.* no. 1:49-51 Ja-F '63.

New scientific discoveries and technological innovations. *Agitator* no. 14:31 JI '62.

Technology of boring and blasting operations in using continuous equipment in open pits. Sh. IA. Shakhmeister, A. F. Bogachev. *Gor. zhur.* no. 3:8-12 Mr '63.

Using slim holes to break ore in the Altyn-Topkan Mine. K. N. Petrov, I. G. Orlov. *Gor. zhur.* no. 3:37-40 Mr '63.

Vibration method of sinking pilings, sheet pilings, pipes, boring holes, and breaking soil. D. D. Barkan. *Shor. trud.* MISI no. 39:155-156 '61.

Working rock under water. D. E. Gurevich, A. G. Volik. *Transp. stroit.* 13 no. 4:24-25 Ap '63.

BORING—SAFETY MEASURES

Samgin, IU. S. [Safety in exploratory drilling] *Bezopasnost' na razvedochnom bureni.* Moskva, Gosgeol'tekhnizdat, 1962, 62 p.

BORING MACHINERY

Annular drill bit. N. N. Litvinov and others. *Gor. zhur.* no. 3:69 Mr '63.

BSV-2 rotary drilling rig. *Ugol' Ukr.* 7 no. 4:4 of cover Ap '63.

Manufacture of new drilling rigs. *Gor. zhur.* no. 4:76-77 Ap '63.

Markovich, N. M., I. F. Borisov, and B. I. Shavkun. [Practice of introducing and using combination drills. The BU-1] *Opyt vnedreniia i ekspluatatsii buril'noi vrashchatsel'noi-udarnoi ustanovki. BU-1.* Moskva, TSentr. in-t tekhn. informatsii ugol'noi promyshl., 1962, 27 p. (Soviet "Stroitel'stvo i rekonstruktsiia ugol'nykh predpriatii." "Tekhnologiya i ekonomika nadezhnoi dobychi uгля.")

[MICROFILM]

SEO-2 flame-throwing rig. IU. M. Aleksandrov. *Gor. zhur.* no. 3:50 Mr '63.

Study of the safety factor in using the radioactive method to classify the operation of breaking and drilling hammers. N. V. Vasil'chikov. *Nauch. soob. IGD* 11:126-131 '61.

BORING MACHINERY—TESTING

Results of tests of a semi-industrial thermal drilling rig. U. M. Slundukov. *Gor. zhur.* no. 4:38-39 Ap '63.

BORISLAV—PETROLEUM INDUSTRY

Public prosecutors should improve their supervision of the enterprises of the petroleum industry. M. Panha. *Rad. pravo* no. 1:71-73 [Ja-F] '58.

BORISOV—THEATER

Creative enthusiasm. S. Piatrovich. *Belarus'* 20 no. 3:19 Mr '63.

BORISPOL' DISTRICT—AUXILIARY POLICE

Voluntary policemen of a rural district. A. Lytus. *Rad. pravo* no. 2:31-32 Mr-Apr '66.

BORNHOLM DISEASE see Plourdynia, Epidemic

BORODIN, ALEKSANDR PORFIR'EVICH, 1833-1887

Borodin's Third Symphony. A. Sokhor. *Sov. muz.* 27 no. 4:43-40 Ap '63.

BORODINO, BATTLE OF, 1812

Bastions of Russian glory. N. P. Nechaev. *Smena* 39 no. 17:1-5 S '62.

Faithful sons of Russia. Lev. Nikulin. *Agitator* no. 15:19-20 Ag '62.

A monument to the heroic deeds of the Russian people. R. Dodzin. *Belarus'* 20 no. 3:18-19 Mr '63.

BORODULIN, LEV

Twenty-one photographs out of a hundred. P. Sobolev. *Sov. foto* 22 no. 7:26-29 JI '62.

BORON see subdivision under America

BORON HYDRIDES

Organoboron compounds. Report No. 113: Reduction of alkyl thioates to dialkyl mercaptoboranes. T. A. Shegoleva, E. M. Shashkova, B. M. Mikhailov. *Izv. AN SSSR, Otd. khim. nauk* no. 3:494-497 Mr '63.

Organoboron compounds. Report No. 114: Reactions of dialkyl mercaptoboranes with secondary amines. B. M. Mikhailov, V. A. Dorokhov, T. A. Shegoleva. *Izv. AN SSSR, Otd. khim. nauk* no. 3:498-499 Mr '63.

BORON ORGANIC COMPOUNDS

Properties of and the possibility of using organoborosilicon polymers as components of heat-resistant adhesives. V. D. Solodovnik and others. *Prikl. massy* no. 3:39-42 '63.

BORONIC ACIDS

Organoboron compounds. Report No. 113: Reduction of alkyl thioates to dialkyl mercaptoboranes. T. A. Shegoleva, E. M. Shashkova, B. M. Mikhailov. *Izv. AN SSSR, Otd. khim. nauk* no. 3:494-497 Mr '63.

BOTANICAL GARDENS

(see also subdivision under Minsk; Ukraine)

Tomsk. *Universitet.* [Siberian Botanical Garden] *Sibirskii botanicheskii sad, Tomsk, Izd-vo Tomskogo univ., 1961.* 87 p. (RPB)

BOTANICAL RESEARCH

(see also subdivision under Czechoslovakia)

Activities of the Section of Flora and Vegetation of the All-Union Botanical Society in 1961-1962. A. N. Lukicheva, M. S. Boch. *Bot. zhur.* 48 no. 3:467-469 Mr '63.

BOTANICAL SOCIETIES see subdivision under Sverdlovsk

BOTANY

(see also subdivision under Bug Valley; Pamir-Alay; South Gori District)

Maevskii, P. F. [Spring flora; a guide] *Vesenniaia flora; opredelitel'.* Izd. 13. Moskva, Uchpedgiz, 1962, 103 p.

Verzilin, N. M. [On the trail of Robinson] *Po sledam Robinsona.* [2 izd. dop. i ispr.] Moskva, Gos. izd-vo detskoi lit-r. M-va pros. RSFSR, 1953, 277 p. illus. col. plates. (Shkol'naya biblioteka) (NN)

BOTANY—DICTIONARIES

Afanasev, D. IA., and others, comps. [Russian-Ukrainian dictionary of botanical terminology and nomenclature] *Rosits'ko-ukrains'kii slovnnyk botanichnoi terminologii i nomenklatury.* Kyiv, Vyd-vo Akad. nauk URSR, 1962, 340 p.

BOTANY—ECOLOGY

(see also subdivision under Muna Valley, Yakutia)

On the mutual relations between ecotypes of dominant plants and their natural habitats. V. D. Lopatin. *Dokl. AN SSSR* 148 no. 4:956-957 F '63.

BOTANY—EMBRYOLOGY

Development of the ovule and female gametophyte in Pyroleae and Monotropeae. E. S. Terekhin. *Bot. zhur.* 48 no. 3:406-414 Mr '63.

Embryology of the representatives of the tribe Anemoneae. IE. I. Kordium. *Visnyk Kyiv. un.* no. 1. Ser. biol. no. 2:27-35 '58.

Embryology of the representatives of the tribe Heloboreae. IE. I. Kordium. *Visnyk Kyiv. un.* no. 2. Ser. biol. no. 1:27-33 '58.

Structure of the root tip in the embryo of some cotton species. A. S. Darlov. *Bot. zhur.* 48 no. 3:430-436 Mr '63.

BOTANY—MORPHOLOGY

Biological characteristics of fruit-bearing shoots of citrus plants. Bul Gul Dap, Nguyen Khau Tkhuok. *Bot. zhur.* 48 no. 3:443-448 Mr '63.

BOTANY—STUDY AND TEACHING

Evening dedicated to the topic "Plants in spring." E. S. Nikolaeva. *Biol. v shkole* no. 2:76-78 Mr-Apr '63.

Laboratory work in botany in evening (staggered) secondary schools. R. S. Mikhailova. *Biol. v shkole* no. 2:43-46 Mr-Apr '63.

Summer assignments in botany for the fifth grade students. M. G. Nalbandian. *Biol. v shkole* no. 2:10-25 Mr-Apr '63.

Use of local flora in botany classes. L. A. Polushina. *Biol. v shkole* no. 2:83-84 Mr-Apr '63.

BOTANY, ECONOMIC see subdivision under Siberia

BOTANY, MEDICAL see subdivision under Siberia

BOTTLE WASHING

Feeding of bottles to the washing systems without the use of containers. I. A. Savchenko. *Spiri. prom.* 29 no. 3:41-42 '63.

BOTTLING—EQUIPMENT AND SUPPLIES

New type of linings for "crown-cork" capping of bottles containing fruit and berry juice. T. B. Diul'ger, E. V. Zobov. *Trudy MNIIP* 2:96-101 '62.

BOUNDARY LAYER

Calculation of a boundary layer by the fractional step method [with summary in English]. L. A. Rozin. Vest. LGU 18 no. 7:128-140 '63.

Discontinuity of a magnetohydrodynamic boundary layer. A. B. Vatazhin. Prikl. mat. i mekh. 27 no. 2:338-341 Mr-Apr '63.

Turbulent boundary layer of a nonthermally insulated wing or axisymmetric body in a compressible fluid [with summary in English]. I. P. Ginzburg, G. V. Kocheryzhenkov. Vest. LGU 18 no. 7:86-98 '63.

BOUNDARY VALUE PROBLEMS

Boundary value problem on an axis for a nonlinear equation of the nth order. G. I. A. Lubaraki. Dokl. AN SSSR 149 no. 3:521-524 Mr '63.

Existence of several solutions to Dirichlet's problem for an equation with a Monge-Ampère operator. I. A. Guberman. Uch. zap. Ped. inst. Gerts. 238:132-140 '62.

External three-dimensional problem in the theory of steady-state vibrations at given displacements on the boundary of the medium. S. Kh. Shatashvili. Trudy GPI [Oruz.] no. 6:81-87 '61.

First boundary value problem for nonlinear parabolic equations. S. I. Khudisev. Dokl. AN SSSR 149 no. 3: 535-538 Mr '63.

Limit absorption principle in the theory of elasticity [with summary in English]. D. M. Eidas. Vest. LGU 18 no. 7:141-154 '63.

A nonlinear boundary value problem in the theory of harmonic functions in a Hilbert functional space. M. M. Kekelidze. Trudy GPI [Oruz.] no. 6:47-53 '61.

Solution of certain conjugation problems by reduction to a generalized Riemann problem. E. V. Skvortsov, B. Kh. Farzan, A. I. A. Chislap. Prikl. mat. i mekh. 27 no. 2:351-355 Mr-Apr '63.

Some boundary value problems for equations describing the percolation of liquids in fissured rocks. G. I. Barenblatt. Prikl. mat. i mekh. 27 no. 2:348-350 Mr-Apr '63.

BOX—DISEASES AND PESTS

Review of the fungus flora of box in natural and artificial stands. Z. H. Lavyska. Visnyk Kyiv. un. no. 2, Ser. biol. no. 1:5-16 '59.

BOXES—STANDARDS

Nonsectional wooden boxes for industrial manufacture. B. V. Balashov, K. G. Iskanisova, M. G. Khokhlova. Standartizatsiya 27 no. 3:55-56 Mr '63.

BOXING see subdivision under Lithuania

BRACELETS

(see also subdivision under Kishlak Kabaly)

Technological classification of East European glass bracelets from the early Middle Ages. Z. L'vova. Soob. Gos. Etn. no. 23:12-14 '62.

BRACHIOPODA, FOSSIL

(see also subdivision under Lena Valley; Mongolia; Olonek Valley; Timan Ridge)

Variation in Mesozoic and Cenozoic articulate brachiopods. N. P. Kovaleva. Dokl. AN SSSR 149 no. 3:606-609 Mr '63.

BRADLEY, JAMES, 1693?-1762

Outstanding explorers of the world of stars; J. Bradley, T. Mayer, N. La Caille, three astronomers of the 18th century. Yu. G. Perel'. Priroda 62 no. 4:60-72 '63.

BRAIN

Effect of ultrasound on the activity of depolymerases of brain nucleic acids [with summary in English]. T. P. Babii, E. B. Skvyva'kaev. Ukr. biokhim. zhur. 34 no. 6: 807-814 '62.

Proteolytic and ribonuclease activity of brain homogenates [with summary in English]. I. A. TSariuk. Ukr. biokhim. zhur. 34 no. 6:815-824 '62.

Quantitative determination of nucleic acids in the brain tissue [with summary in English]. R. G. Brown, V. P. Goncharova. Ukr. biokhim. zhur. 34 no. 5:734-740 '62.

Transglucosylase of the brain [with summary in English]. B. I. Khaykina, V. E. L'kushko. Ukr. biokhim. zhur. 34 no. 6:876-882 '62.

BRAIN—BLOOD SUPPLY

Brain arteries in camels. I. S. Kadoshnikov. Trudy Kras. SKHI 3 no. 1:134-148 '59.

Possibility for an experimental evaluation of the blood supply to the brain under conditions of a changed gravitational field [with summary in English]. Yu. E. Moskalenko. Probl. kosm. biol. 2:407-416 '62.

Some data concerning the effect of sulfide mineral water on the brain blood vessels and the pressure of the cerebrospinal fluid. A. A. Kravchenko. Trudy MONIKI no. 5:142-158 '62.

BRAIN—DISEASES

Apoptosis A. G. Kulikovskii's article about our critical comments concerning extensive diagnosis of rheumatic lesions of the brain. L. I. Geffer. Vop. revm. 1 no. 3: 89-92 Ji-S '61.

Apoptosis prof. L. I. Geffer's article "Some critical comments concerning extensive diagnosis of rheumatic lesions of the brain." A. G. Kulikovskii. Vop. revm. 1 no. 3:87-89 Ji-S '61.

Capillaroscopic studies in the cerebral form of hypertension. G. M. Isa-Zade. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:108-116 '59.

General clinical characteristics of cerebral rheumatism [with summary in English]. L. S. Gittik, A. L. Bolotina. Vop. revm. 1 no. 3:79-88 Ji-S '61.

Some characteristics of cerebral disorders in hypertension. G. D. Leshchenko, Z. Yu. Svetnik. Sov. med. 26 no. 1:28-30 Ja '63.

Some pseudofocal symptoms in arteriosclerosis of the brain. V. M. Bleikher. Vrach. delo no. 3:62-65 Mr '63.

BRAIN—HYDATIDS

Cranigraphy and contrast methods of examination in cases of brain hydatids. M. D. Dustmuratov. Med. zhur. Uzb. no. 8:63-66 Ag '62.

BRAIN—INFLAMMATION see Encephalitis

BRAIN—RADIOGRAPHY

Cranigraphy and contrast methods of examination in cases of brain hydatids. M. D. Dustmuratov. Med. zhur. Uzb. no. 8:63-66 Ag '62.

BRAIN—SOFTENING

Psychic disorders following insults and softening of the brain in advanced age. N. Aripov. Med. zhur. Uzb. no. 8:66-69 Ag '62.

BRAIN—SURGERY

Golden electrodes restore the disturbed contacts among nerve cells. N. Smolev. Nauka i zhizn' 30 no. 1:84-85 Ja '63.

BRAIN—WOUNDS AND INJURIES

Course of chronic alcoholism in patients with brain traumas and its forensic psychiatric importance. I. V. Strel'chuk. Probl. sud. psikh. no. 12:95-107 '62.

Effect of some ganglioblocking substances on the state of rabbits after a closed craniocerebral trauma. I. A. Rustamov. Zdrav. Turk. 7 no. 2:14-17 F '63.

Expediency of buried sutures in the secondary treatment of skull and brain wounds (experimental and clinical observations). L. I. Nikoshin. Kaz. med. zhur. no. 5: 24-27 S-O '62.

BRAKES

Use of similitude theory apparatus for determining the heating of braking devices. M. P. Alekandrov. Trudy MIT no. 139:263-270 '61.

BRANDY

Accelerating the maturing of cognac alcohols and similar alcoholic liquors. I. M. Skurikhin. Biokhim. vin. no. 7: 189-207 '63.

Changes in the components of alcohols of various ages during maturing. A. D. Lashkhi. Biokhim. vin. no. 7: 173-188 '63.

New methods for improving the quality of cognac. N. M. Slakian and others. Biokhim. vin. no. 7:184-172 '63.

Obtaining brandy alcohol by the method of continuous distillation. G. G. Agabaliants. V. A. Maslov. Trudy KIPP no. 22:188-195 '61.

Quantitative determination of the higher alcohols in brandy by the paper chromatography method. I. A. Egorov, A. K. Rodopulo. Biokhim. vin. no. 7:218-223 '63.

Redox processes in the maturing of cognac alcohols and brandies. E. M. Shpritsman. Trudy MNIPP 2:17-30 '62.

Tank method for the accelerated aging of brandy alcohol. G. G. Agabaliants. Trudy KIPP no. 22:230-233 '61.

Tannins of oak wood and their transformations during the aging of cognac alcohols. E. M. Shpritsman. Trudy MNIPP 2:3-16 '62.

BRASOVSKIY DISTRICT—AGRICULTURAL

MACHINERY—MAINTENANCE AND REPAIR

By the unit method. S. Naumov. Sel. mekh. no. 1:19 Ja '63.

BRATSK—CONSTRUCTION WORKERS—EDUCATION AND TRAINING

A girl from Bratsk. T. Lazovaia. Komsom. zhizn' no. 2: 29-30 Ja '62.

BRATSK HYDROELECTRIC POWER STATION

Kokhi, L. M. [There is no better way] Net dorogi vernet. [Moskva, Izd-vo "Molodaya gvardiya," 1962, 62 p. (Vol onl - komsomol'skie malaki)]

Unforgettable time. A. Pichugina. Mol. kom. no. 7:9-10 Ji '62.

BRATSK HYDROELECTRIC POWER STATION—AGGREGATES (BUILDING MATERIALS)

Winter grading of aggregates by the Bratsk Hydroelectric Power Station Construction Trust. Gidr. stroi. 33 no. 2:10-16 F '63.

BRATSK HYDROELECTRIC POWER STATION—CONCRETE—TESTING

Thermophysical characteristics of concrete in experimental sections of the dam of the Bratsk Hydroelectric Power Station. V. I. Duhnitaki. Gidr. stroi. 33 no. 2:117-18 F '63.

BRATUSHANY—SUGAR FACTORIES

From the experience gained in the putting into operation of the Bratushany Sugar Factory. M. I. Koval'skii. Sakh. prom. 37 no. 3:45(205)-49(209) Mr '63.

BRAZIL—ECONOMIC CONDITIONS

A giant is spreading its wings. Ol. Polishchuk. Ukraina no. 5:20-21 Mr '63.

Thirsty soil in northeastern Brazil. Lela Scheinwar. Zhen. mira no. 12:24-26 '62.

BRAZIL—ECONOMIC POLICY

The first three-year plan of Brazil. Oleg Ignatiev. Mir, ekon. i mezhdunar. otn. no. 4:100-103 '63.

BRAZIL—NEGROES

How Africa has influenced Brazil and Brazil has influenced Africa. A. M. Khazanov. Vop. Ist. 38 no. 4: 170-180 Ap '63.

BRAZIL—PETROLEUM INDUSTRY

The oil story of Brazil. A. Gramotov. Mezhdunar. shizn' 10 no. 5:44-49 My '63.

BREAD

The SESH-1 drying cabinets. L. M. Kizenko, R. S. Krasnopol'skaya, A. M. Shabaashkevich. Khleb. i kond. prom. 7 no. 4:39 Ap '63.

BREAKDOWN, ELECTRIC

Breakdown of thin germanium films at low temperatures. B. M. Vul, E. I. Zavaritskaya, I. V. Davydova. Fiz. tver. tela 5 no. 4:1107-1113 Ap '63.

Electric breakdown of p-n junctions in gallium arsenide. D. N. Nasledov, B. V. TSarenkov. Fiz. tver. tela 5 no. 4: 1181-1188 Ap '63.

BREAM see subdivision under Atlantic Ocean; Dubossary Reservoir; Tsimlyansk Reservoir

BREAST—DISEASES

Clinical aspect, treatment, and prevention of mastitis. M. S. Ambertsumian, G. E. Gevorgian. Med. sestra 21 no. 12:19-23 D '62.

Value of mammography for the clinical diagnosis of breast diseases [with summary in English]. P. D. Khazov. Sov. med. 26 no. 1:52-56 Ja '63.

BREAST—RADIOGRAPHY

Value of mammography for the clinical diagnosis of breast diseases [with summary in English]. P. D. Khazov. Sov. med. 26 no. 1:52-56 Ja '63.

BRECHT, BERTOLT, 1898-1958

Open letter written to Dr. Henning Rischbieter. Lev Kopelov. Tentr 24 no. 3:143-144 Mr '63.

BREST, BATTLE OF, 1941

Nothing special. Sergei Smirnov. Mol. komm. no. 2: 65-69 F '63.

BREST PROVINCE—GYPSY MOTH

Gypsy moth, a pest of field crops. F. S. Kokhmanuk. Priroda 62 no. 4:72 '63.

BRIAND, ARISTIDE, 1862-1932

"A century; Briand as a seeker for peace" [in French] by Henri Marche. Reviewed by V. G. Sirotkin. Vop. Ist. 38 no. 4:165 Ap '63.

BRICK INDUSTRY see subdivision under Astrakhan

BRICKS

Kovalenko, A. F. [Salt efflorescence on brick and ways to control it] O soleyvkh vytsvatakh na klypche i mery bor'by s nimi. Ashkhabad, Izd-vo Akad. nauk Turkmensoi SSR, 1962. 68 p.

BRIDGE CIRCUITS

Bolometer and thermistor bridge with a thermocouple for measuring super-high frequency power. V. I. Krzhimovskii. Izv. vuz. tekhn. no. 3:55-57 Mr '63.

Bridge circuit of a rotary viscosimeter with a synchronous pickup. P. A. Ivanov. Izv. vuz. tekhn. no. 3:59-61 Mr '63.

Multirange potentiometer bridge. O. P. Butnichenko. Izv. vuz. ucheb. zav. i prib. 6 no. 2:154-156 '63.

BRIDGES

Choosing a type of span for sectional highway bridges. B. S. Levitin. Izv. vuz. ucheb. zav. i prib. 6 no. 3:44-49 '63.

BRIDGES—DESIGN AND CONSTRUCTION

(see also subdivision under Germany, West; Nikolayev, Ukraine; Tana River)

Assembly of 33.5 m. spans using the GEK-120 swing crane. M. I. A. Shklovskii. Transp. stroi. 13 no. 3: 17-19 Mr '63.

BRIDGES — DESIGN AND CONSTRUCTION (Continued)

Each member of the crew has mastered two or three skills. S. P. Vdovitsin. Transp. stroi. 13 no. 4:42-43 Ap '63.

Effect of the obliquity of the crossing of a current by a bridge on the span size of the bridge and on its water capacity. M. P. Poliakov. Izv. vys. ucheb. zav. stroi. i arkh't. 6 no. 3:95-102 '63.

The GEPK-130-17, 5 swing cantilever railroad crane. M. I. A. Shklovskii, A. N. Cherkasov, B. N. Fishler. Transp. stroi. 13 no. 4:34-39 Ap '63.

Placing concrete for the span of a large bridge from suspended units. N. A. Tkachenko, V. I. Volynskii. Avt. dor. 26 no. 4:12-14 Ap '63.

BRIDGES—FOUNDATIONS AND PIERS

Widening the base of shell piles in cohesive soils. F. M. Ter-Mikaelian, V. A. Chizhin. Transp. stroi. 13 no. 3:12-17 Mr '63.

BRIDGES—WELDING

Welding of bridge construction spans for the Krasnoyarsk Hydroelectric Power Station. D. P. Kheifits. Avtom. svar. 16 no. 4:63-64 Ap '63.

BRIDGES, CONCRETE

(see also subdivision under Moscow)

Placing concrete for the span of a large bridge from suspended units. N. A. Tkachenko, V. I. Volynskii. Avt. dor. 26 no. 4:12-14 Ap '63.

Using rubber washers in the manufacture of built-up beams. I. M. Mitrofanov, V. S. Berson. Avt. dor. 26 no. 4:14-15 Ap '63.

BRIDGES, IRON AND STEEL

Protasov, K. G. [New cable-supported trusses] Noye vavotnye fermy. Moskva, Transzheldorizdat, 1963, 98 p.

BRINES

(see also subdivision under Irkutsk Province)

Automation in controlling the brine concentration. N. F. Chernigin, A. Ivanov. Ryb. khoz. 30 no. 2:69-73 '63.

BRIQUETS (FUEL)

Role of troughs in peat briquetting. T. T. Zuev. Torf. prom. 40 no. 3:21-23 '63.

Technical and economic indices of making 75-percent ferroallicon with use of coke briquets. V. F. Goncharov, T. A. Orshchenko. Mol. i gornorud. prom. no. 1: 35-37 Ja-F '63.

Work practices of the Dmitrovo-Cherkasovo Peat Briquet Plant. M. I. Kuz'min. Torf. prom. 40 no. 2:28-30 '63.

BRITHOLITE

On minerals of the britholite group. I. I. Kuprianova, G. A. Sidorenko. Dokl. AN SSSR 148 no. 4:912-915 F '63.

BROACHING MACHINES

Reconditioning of broaches. P. G. Volkov. Mashinostroitel' no. 3:23 Mr '63.

BROMINE—THERAPEUTIC USE

Effect of bromine ion galvanization of the spinal cord in lesions of the pyramidal system. F. M. Efendieva. Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 3:97-99 '63.

BRONZE AGE see subdivision under Dnieper Valley; Transbaikalia; Volga Valley

BRONZE FOUNDDG

Batalov, A. N., A. A. Mykol'nikov, and R. I. Shundel'. [Practice in making large castings from bronze] Opyt izgotovleniya krupnykh otlivok iz bronzy. Moskva, Mashgiz, 1963, 40 p.

BRONZES see subdivision under Sapogov

BROOMRAPE see subdivision under Astrakhan Province

BRUCELLOSE

Amount of 17-ketosteroids in 24-hour urine during mud therapy of brucellosis patients at the Muzaly Health Resort. A. D. Trug. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:175-178 '62.

Clinical aspects and treatment of the sequelae of the sheep-goat type brucellosis in man [with summary in English]. L. V. Iarovoi. Sov. med. 26 no. 1:69-76 Ja '63.

Protein fractions of blood serum during mud therapy of brucellosis patients at the Muzaly Health Resort. A. D. Trug. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11: 180-184 '62.

BRUNEI—POLITICS AND GOVERNMENT

The people of Brunei are struggling for independence. O. Osolkova. Mir. ekon. i mezhdunar. otn. no. 4:98-100 '63.

BRYANSK—TRADE UNIONS

Use the example of best practice to train. N. Noskov. Sov. profsoyuzy 19 no. 7:20 Ap '63.

BRYANSK PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

A stain on the conscience. A. Kondratenko. Mol. komm. no. 2:95-97 F '63.

BRYANSK PROVINCE—FARM MECHANIZATION

Fedor Puln is a delegate to the Congress of the All-Union Voluntary Society for Assistance to the Army, Air Force, and Navy. A. Babyshev. Za rul. 20 no. 5: 4-5 My '62.

BRYANSK PROVINCE—LUMBERING

Gradual cuttings in the Zhizdra Logging Camp. V. G. Balgorazumov. Les. khoz. 16 no. 1:22-27 Ja '63.

BUBBLE CHAMBER

Growth and condensation of bubbles in bubble chambers. I. A. Aleksandrov, G. S. Voronov, N. B. Delone. Prib. i tekhn. eksp. 8 no. 2:41-44 Mr-Apr '63.

Scintillating bubble chamber. N. B. Delone. Priroda 52 no. 3:112-114 '63.

A 200-liter bubble chamber. M. F. Lomanov and others. Prib. i tekhn. eksp. 8 no. 2:37-40 Mr-Apr '63.

BUBNOV, ANDREI SERGEEVICH, 1883-1940

Dates, events, and people. Komm. Bel. 37 no. 3:75-77 Mr '63.

Outstanding worker of Soviet education on the occasion of the 80th birthday anniversary of A. S. Bubnov. G. S. Prozorov. Sov. pedagog. 27 no. 4:92-100 Ap '63.

BUBRIKH, DMITRII VLADIMIROVICH, 1890-1949

Dmitrii Vladimirovich Bubrikh as a scholar of the Finno-Ugric languages. Z. M. Dubrovina. Uch. zap. LGU no. 3:145-18 '62.

BUCHMA, AMVROSI MAKSIMILIANOVICH, 1891-1957

L'vov-Anukhin, D. A. Amvrosii Maksimilianovich Buchma, 1891-1957. [Moskva] Iskustvo, 1959, 192 p. (Masterska teatraln; monografiia) (Orf)

BUCKWHEAT

(see also subdivision under Ukraine)

Elagin, I. N., ed. [Biology and the cultivation of buckwheat] Biologiya i vozdel'yvanie grechikhi. Moskva, Izd-vo selkhoz. lit-ry, zhurnalov i plakatov, 1962, 303 p. (DNAL)

Ivanov, N. I. A., and others. [Mechanized raising and harvesting of buckwheat and millet] Mekhanizatsiya vozdel'yvaniia i uborki grechikhi i prosa. Moskva, Izd-vo M-va sel'khoz. khoz. RSFSR, 1962, 33 p. (DNAL)

BUCKWHEAT—DISEASES AND PESTS see subdivision under Kiev Province

BUDAPEST—EXHIBITIONS

Exhibition of textile fabrics. N. A. Soldatkina, Z. V. Lashina. Tekst. prom. 23 no. 4:22-25 Ap '63.

BUDAPEST—MUSIC FESTIVALS

Budapest Musical Weeks. V. Vlasov. Sov. muz. 27 no. 2: 129-132 F '63.

BUDAPEST—PHOTOGRAPHY—EXHIBITIONS

Women of the second half of the 20th century. Zhen. mira no. 3:12-13 '63.

BUDAPEST—THEATER

"Theatrical Budapest" by A. Gershekhovich. Reviewed by V. Pimenov. Teatr 24 no. 3:84-85 Mr '63.

BUDGET

(see also subdivision under Lvov Province; Vietnam, South)

Russia (1923- U. S. S. R.) Ministerstvo finansov. [State budget of the U. S. S. R. for 1963 and the carrying out of the state budget for 1961... Statute of the U. S. S. R. on the state budget for 1963] O gosudarstvennom budzhet SSSR na 1963 god i ob ispolnenii gosudarstvennogo budzhet SSSR za 1961 god... Zakon Soyuza Sovetskikh Sotsialisticheskikh Respublik o gosudarstvennom budzhet Soyuza Sovetskikh Sotsialisticheskikh Respublik na 1963 god. Moskva, Gosfinizdat, 1962, 41 p. (DNAL)

BUDS

Characteristics of buds in some plants of the Streletskiye Steppes Preserve [with summary in English]. M. I. Paderevskaya. Bot. zhur. 48 no. 2:102-106 F '63.

BUG VALLEY—BOTANY

Relicts in the flora of the middle Bug Valley. V. V. Ouychnuk. Visnyk Kyiv. un. no. 1, Ser. biol. no. 2: 37-42 '58.

BUILDING

Computing the requirement for means of transportation in the assembly of prefabricated buildings directly from trucks. L. M. Kukharevskii. Mekh. stroi. 20 no. 5:5-7 My '63.

New building techniques. Sil', bud. 12 no. 5:23 My '62.

BUILDING—BIBLIOGRAPHY see Bibliography—Building

BUILDING—COLD WEATHER CONDITIONS

Agafonov, K. N. [Some problems of housing construction in the Far North] Nekotorye voprosy zhilishchnogo stroitel'stva na Krasnom Severe. Krasnoyarsk. Nauchno-issl. inst po stroitel'stву, 1962, 30 p. (MICROFILM)

BUILDING—DETAILS

Bogdanov, T. M. [Joints of metal elements made with high-strength bolts] Soedineniia metallicheskh konstruktiv na vysokoprochnykh boltakh. Moskva, Transzheldorizdat, 1963, 109 p.

Efficient means of mechanizing and improving the quality of sealing joints. G. B. Ivinskii. Na stroi. Ros. 4 no. 4:25-26 Ap '63.

"Joints of elements of large-panel and large-block buildings" by L. S. Avrom, D. A. Pitluk, N. I. Ryndin. Reviewed by V. F. Raljan. Stroi. i arkh't. Len. 24 no. 12:34 D '62.

BUILDING—ELECTRIC EQUIPMENT

Providing electric power for construction projects from stationary networks. A. B. Topolianskii. Stroi. i arkh't. Len. 24 no. 12:30-32 D '62.

BUILDING—ESTIMATES

(see also subdivision under Azerbaijan)

Corrections and explanations for the collection of additional standard district estimates for new elements and types of work. Bil. stroi. i tekhn. 20 no. 3:32 Mr '63.

Determining estimated costs in construction. Ekon. stroi. no. 4:63-64 Ap '63.

Estimates problems. Ekon. stroi. no. 4:67 Ap '63.

Procedures for making changes in approved building estimates. Ekon. stroi. no. 4:65-67 Ap '63.

BUILDING—HANDBOOKS, MANUALS, ETC.

[Builder's handbook] Spravochnik stroitelia. Izd. 2., perer. i dop. Pod red. I. G. Fedotova. [Saratov] Saratovskoe knizhnoe izd-vo, 1962, 478 p.

BUILDING—SAFETY MEASURES

Soveshchanie po tekhnike bezopasnosti v stroitel'stve krupnopanel'nykh i krupnoblochnykh zhilykh zdani. Leningrad, 1961. [Materials of the Conference on Accident Prevention in the Construction of Large-panel and Large-block Buildings] Materialy. Moskva, Gosstroizdat, 1962, 47 p.

BUILDING—TECHNOLOGICAL INNOVATIONS

Efficiency suggestions. Transp. stroi. 13 no. 3:58 Mr '63.

The main problem is putting new developments into practice. V. V. Uspenskii. Stroi. i arkh't. Len. 25 no. 4:13-15 Ap '63.

New developments in construction equipment. Na stroi. Ros. 4 no. 4:8, 20 Ap '63.

Small machinery and its great use. A. I. A. Indakin, S. A. Tarlovskii. Na stroi. Ros. 4 no. 4:12-13 Ap '63.

BUILDING AND LOAN ASSOCIATIONS—LAW

Cooperative residential building associations. T. Lisnychenko. Rad. pravo no. 2:90-96 Mr-Apr '63.

BUILDING INSPECTION

"Acceptance for operation of completed enterprises, buildings and structures." Bil. stroi. i tekhn. 20 no. 3: 25-28 Mr '63.

BUILDING LAWS

Answering our readers' questions. Sov. iust. no. 8: 30-31 Ap '63.

BUILDING MACHINERY see Construction equipment

BUILDING MATERIALS

(see also subdivision under Armenia; Germany, East)

Alekseev, N. S. [Building materials] Stroitel'nye tovary. Moskva, Gos. izd-vo torg. lit-ry, 1962, 159 p.

Alkants, E. [Modern finishing and insulating materials] Modernie apdarois iz izolatsionnykh materialov. Riga, Latvijas Valsts izdevnieciba, 1962, 169 p. [In Latvian] Editor's mail. V. S. Bogomolov and others. Khim. v shkole 18 no. 2:82-83 Mr-Apr '63.

Effect of fillers on the properties of plastic compositions used in the manufacture of technological equipment. L. S. Akhmedov, L. V. Vatsar, A. R. Chudnovskii. Plast. massy no. 3:37-38 '63.

Elin, G. E. [Synthetic materials in the finishing of buildings] Sinteticheskie materialy v otdelke zdani. Minsk, Gos. izd-vo BSSR. Radatsiia proizvodstvennoi lit-ry, 1962, 44 p.

[MICROFILM] Minsk. Nauchno-issledovatel'skii institut stroitel'nykh materialov UPS i SNKh BSSR. [Building materials made of local raw materials] Stroitel'nye materialy iz mestnogo syrya. Minsk, Izd-vo M-va vysshogo, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962, 109 p.

[MICROFILM] Protection of building materials with coatings based on polyester resins and glass fibers. L. M. Kovalchuk, V. V. Paturkov. Lakokras. mat. i ikh prim. no. 2:29-33 '63.

BUILDING MATERIALS—STANDARDS

"Materials and products made of polymers." Bil. stroi. i tekhn. 20 no. 3:12-14 Mr '63.

"Metals and metal products." Bil. stroi. i tekhn. 20 no. 3:11-12 Mr '63.

Wall and covering materials. A. S. Dmitriev. Standartizatsiia 27 no. 3:52-53 Mr '63.

- BUILDING MATERIALS—TESTING**
Resistance to fire of reinforced concrete girders, N. Strel'chuk, A. Lakovlev, N. Bulyr', Pozh. delo 3 no. 3:9-11 Mr '63.
State Standard for methods of determining the strength limits of wall and facing materials subject to compression and flexure. *Blul. stroi. tekhn.* 20 no. 4:21-24 Ap '63.
- BUILDING MATERIALS—WELDING**
All-Union Conference on the Design of Welded Elements. *Zhef. dor. transp.* 45 no. 4:94 Ap '63.
- BUILDING MATERIALS INDUSTRY**
(see also subdivision under Soviet Central Asia)
Wide possibilities for the introduction of electronic techniques. A. I. But. *Stroi. mat.* 9 no. 3:8-10 Mr '63.
- BUILDING MATERIALS INDUSTRY—ELECTRIC EQUIPMENT**
Iaremko, D. S. [Handbook on accident prevention for the operator of a mechanical corrugating apparatus in the production of state] *Pamiatka po tekhnike bezopasnosti dlia operatora mekhanicheskogo volnitrovshchika pri proizvodstve shifera.* Moskva, Gosstroiizdat, 1963. 17 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)
- BUILDING MATERIALS INDUSTRY—FINANCE**
Norms for specific capital investments in the building materials industry. P. Gorbushin, I. A. Rekar, *Ekon. stroi.* no. 4:25-33 Ap '63.
- BUILDING RESEARCH**
Gorki. *Inzhenerno-stroitel'nyi institut.* [Testing structure and structural elements] *Tsypatnie stroitel'nykh sooruzhenii i konstruktsii; uchebno-metodicheskoe posobie dlia studentov zaonchnogo fakul'teta.* [Gorki, 1962] 120 p.
[MICROFILM]
In the Western Siberian Branch. *Blul. stroi. tekhn.* 20 no. 4:38-39 Ap '63.
- BUILDING TRADES—STUDY AND TEACHING** see subdivision under Prokopyevsk (Kemerovo Province)
- BUILDINGS, PREFABRICATED**
Houses built with cubes. G. Strashnov. *IUn. tekhn.* 7 no. 2:12-15 F '63.
New types of prefabricated, dismountable, temporary structures. *Stroi. truboprov.* 8 no. 4:32 Ap '63.
- BUKHARA—CANALS**
Forecast of stable sections of the heat part of Amu-Bukhara Canal. *Izv. AN Uz. SSR. Ser. tekhn. nauk* 7 no. 2:68-70 '63.
- BUKHARA—GAS, NATURAL—PIPELINES**
Blue lights illuminate the desert. T. Ilatovskaya. *Smena* 39 no. 23:2 of cover, 1-3 D '62.
- BUKHARA PROVINCE—AGRICULTURAL GEOGRAPHY**
Akademii nauk Uzbekskoi SSR. Tashkent, Otdel geografii. [Agricultural geography of Samarkand and Bukhara Provinces] *Geografiia sel'skogo khozaistva Samarlandskoi i Bukharskoi oblastei.* [By] Z. M. Akramov i dr. Tashkent, Izd-vo Akad. nauk Uz. SSR, Pt. 2. 1961. 323 p. (Materialy Zernavshanskoi ekspeditsii SOPs AN Uz. SSR, no. 1)
- BUKOVINA—ANTIQUITIES**
Monuments of the "burial ground" culture in Bukovina. B. A. Timoshchuk, I. S. Vinokur. *Krat. soob. Inst. arkhool.* no. 90:73-76 '62.
- BUKOVINA—DECORATION AND ORNAMENT, UKRAINIAN**
A master of Bukovina folk ornament. I. P. Serediuk. *Nar. tvorch. ta etn.* 6 no. 4:100-103 O-D '62.
- BUKOVINA—FLOUR MILLS**
Pneumatic unit for waste transportation. S. Fainberg. *Muk.-elev. prom.* 29 no. 1:27 Ja '63.
- BUKOVINA—FOLK SONGS, UKRAINIAN**
Folk songs of Bukovina. L. Orel. *Ukraina* no. 5:9 Mr '63.
- BUKOVINA—HOSPITALS, RURAL**
Results of consolidating rural hospitals in Cherkassy Province. A. T. Shlykov. *Vrach. delo* no. 3:120-121 Mr '63.
- BUKOVINA—THEATER**
A new approach. Svilana Burmystrenko. *Ukraina* no. 7:16 Ap '63.
- BUKOVINA—VOCATIONAL EDUCATION**
Improving the specialization of production instruction. G. I. Kobylinski, D. I. Vozdinski. *Shkola i prosv.* 7 no. 4:52-55 Ap '63.
- BULAKHOVSKI, LEONID ARSEN'EVICH, 1868-**
A well-known Ukrainian linguist and historian; on L. A. Bulakhovskii's 75th birthday. V. M. Rusanivskiy. *Ukr. ist. zhur.* 6 no. 2:110-120 Mr-Apr '63.
- BULGARIA—AGRICULTURE—STUDY AND TEACHING**
Connection between theory and practice in the teaching of general agriculture (from "Professionalno obrazovanie," no. 8, 1962). Iordanka Letterova. *Sred. spets. obr.* 10 no. 4:57-58 Ap '63.
- BULGARIA—BIBLIOGRAPHY**
[New literature on Bulgaria] *Nov. lit. po Bolg.* no. 3 '63.
- BULGARIA—BONUS SYSTEM**
Organization of the establishment of norms and material stimulation of workers in the People's Republic of Bulgaria. G. Dmitrieva. *Sots. trud* 8 no. 4:144-147 Ap '63.
- BULGARIA—CHEMISTRY—STUDY AND TEACHING**
Chemical evening on the topic "Catalysis." A. B. Popova. *Khim. v shkole* 18 no. 2:80-81 Mr-Apr '63.
- BULGARIA—COAL MINES AND MINING**
Coal basin of the People's Republic of Bulgaria. M. M. Zherbin. *Ugol' Ukr.* 7 no. 4:44-45 Ap '63.
- BULGARIA—EDUCATION**
Anton Semenovich Makarenko in Bulgaria. O. Obreshkov. *Nar. obr.* no. 4:104-105 Ap '63.
- BULGARIA—INTELLECTUAL LIFE**
Science marches along the highway. Ljubomir Krestanov. *Smena* 39 no. 23:19 D '62.
- BULGARIA—IRRIGATION FARMING**
Efficient use of soils under irrigation conditions. Report. G. F. Krasov. *Zemledelie* 25 no. 1:85-88 Ja '63.
Success of irrigation farming in Bulgaria. T. Gancheva, D. Georgiev. *Nauka i zhizn'* 30 no. 1:38-40 Ja '63.
- BULGARIA—MATHEMATICS—PERIODICALS**
Periodical for students. M. Kostadinov. *Mat. v shkole* no. 2:75 Mr-Apr '63.
- BULGARIA—PRODUCTION STANDARDS**
Organization of the establishment of norms and material stimulation of workers in the People's Republic of Bulgaria. G. Dmitrieva. *Sots. trud* 8 no. 4:144-147 Ap '63.
- BULGARIA—ROADS**
On the roads of Bulgaria. S. Severniak. *Avi. dor.* 26 no. 4:32-3 of cover Ap '63.
- BULGARIA—SONGS, RUSSIAN**
Friendship with the Russian song. N. Kaufman. *Sov. muz.* 27 no. 1:110-113 Ja '63.
- BULGARIA—STATISTICS, MEDICAL**
Use of methods of mathematical statistics in Bulgarian medicine. D. Sepetiev. *Zdrav. Ros. Feder.* 7 no. 2:37-39 F '63.
- BULGARIA—TEXTILE INDUSTRY**
Development of the textile industry in Bulgaria. *Tekst. prom.* 23 no. 4:13 Ap '63.
- BULGARIA—THEATER**
Ivan Vazov Theater. E. Shamovich. *Teatr* 24 no. 3:120-135 Mr '63.
- BULGARIA—YOUTH**
Learning is our foremost objective. I. Abadzhiev. *Mol. komm.* no. 7:58-64 Ji '62.
- BULGARIAN LANGUAGE—DIALECTS**
The accent system in the dialect of the Gorno Pole District. N. V. Kotova. *Stat. bol. dial. SSSR* no. 10:45-50 '62.
"Atlas of Bulgarian dialects in the U.S.S.R." Reviewed by St. Stoikov. *Stat. bol. dial. SSSR* no. 10:125-143 '62.
Dialectological expedition of 1960 to collect materials for the "Bulgarian dialectological atlas" Khr. Khelolchev. *Stat. bol. dial. SSSR* no. 10:144-147 '62.
On the boundary of the "southern type of δ pronunciation." T. V. Popova. *Stat. bol. dial. SSSR* no. 10:81-94 '62.
Participate with reduplicated suffix in the Rhodope dialects. G. K. Venedikov. *Stat. bol. dial. SSSR* no. 10:104-124 '62.
The phonetics of the dialect of the village of Krinichnoye (formerly Cheshma-Varnita). V. K. Zhuraviev. *Stat. bol. dial. SSSR* no. 10:3-44 '62.
Short form of the accusative case of the personal pronoun, third person, singular number, feminine gender "GA" in the southeastern Bulgarian dialects. E. I. Zelenina. *Stat. bol. dial. SSSR* no. 10:95-99 '62.
- BULLDOZERS**
(see also subdivision under Olenogorsk region)
Improving the operating efficiency of bulldozers. N. A. Mel'nik. *Trudy Ural. lesotekh. inst.* no. 17:15-20 '60.
- BULLDOZERS—LUBRICATION**
Causes of the excessive consumption of crankcase oil in bulldozer and excavator engines. K. A. Loshchakov. *Mekh. stroi.* 20 no. 4:21-23 Ap '63.
- BUNIN, IVAN ALEKSEEVICH, 1870-1953**
Donam, T. M. [I. A. Bunin's prose, 1887-1904] *Khudozhestvennaia proza I. A. Bunina, 1887-1904.* [Vladimir] Vladimirovskoe knizhnoe izd-vo, 1962. 106 p. (MH)
- BUNT (DISEASE OF WHEAT)** see Smuts
- BUNTING (BIRDS)** see subdivision under Chita Province
- BURDENKO, NIKOLAI NILOVICH, 1876-1946**
N. N. Burdenko and the development of friendly relations between the medical communities of the Soviet Union, America and England. A. G. Milashkin. *Sov. zdrav.* 22 no. 4:59-64 '63.
- BURIAL**
(see also subdivision under Moldavia)
Burials facing east in 11th to 13th century Slavic necropolises. G. P. Solov'eva. *Sov. arkhool.* 7 no. 2:95-106 '63.
- BURMA—ECONOMIC POLICY**
Burma's struggle for a new way ahead. A. Semenov, A. Filippov. *Mezhdunar. zhizn'* 10 no. 5:68-74 My '63.
- BURMA—POLITICS AND GOVERNMENT**
Burma's struggle for a new way ahead. A. Semenov, A. Filippov. *Mezhdunar. zhizn'* 10 no. 5:68-74 My '63.
- BURMA—SOCIAL CONDITIONS**
Across Burma. N. Suchkov. *Nar. khoz. Uzb.* 4 no. 1:71-77 Ja '63.
- BURMA—TECHNICAL ASSISTANCE, RUSSIAN**
The friendship park blooms. Igor' Mozhheiko. *Az. i Afr. seg.* no. 4:30-31 Ap '63.
- BURNACHEV, SERGEI MIKHAILOVICH, 1906-1963**
Sergei Mikhailovich Burnachev; obituary. *Standardizatsia* 27 no. 3:61 Mr '63.
- BURNS AND SCALDS**
Characteristics of a momentary burn; experimental study. O. S. Misharev. *Klin. khir.* no. 5:11-16 My '62.
Classification of deep burns of the hand [with summary in English in insert]. N. E. Margolin. *Ortop., travm., i protez.* 23 no. 11:27-31 N '62.
Dermatoplasty in cicatricial contractures following burns [with summary in English in insert]. B. V. Parin. *Ortop., travm., i protez.* 23 no. 11:3-13 N '62.
Dermatoplasty of burns in children [with summary in English in insert]. N. D. Kazantseva. *Ortop., travm., i protez.* 23 no. 11:35-40 N '62.
Effect of thermal skin burns on the copper and manganese content of the liver and blood. V. R. Soroka. *Klin. khir.* no. 5:20-22 My '62.
Histological and functional characteristics of skin grafts which have taken on wounds and ulcers resulting from burns in animals. I. A. Shuberg. *Trudy Kraev. SKH* 3 no. 1:116-129 '60.
Homo- and autoplasty in burns of irradiated animals. A. Kh. Khaidarov and others. *Med. zhur. Uzb.* no. 8:55-57 Ag '62.
Homoplasty in the treatment of extensive deep burns in children [with summary in English in insert]. M. V. Volkov, R. L. Ginzburg. *Ortop., travm., i protez.* 23 no. 11:31-35 N '62.
Impulse phototherapy for burns. V. P. Sorochinskii. *Klin. khir.* no. 5:86 My '62.
Intraosseous infusions in extensive burns [with summary in English in insert]. N. I. Atanov. *Ortop., travm., i protez.* 23 no. 11:58-62 N '62.
Permanent flexions of the hand and fingers following burns; experience from 200 operations [with summary in English in insert]. V. Matev. *Ortop., travm., i protez.* 23 no. 11:21-26 N '62.
Relation of leukocytic reactions with the healing process of burn wounds [with summary in English in insert]. A. I. Zubakina, L. A. Shepte. *Ortop., travm., i protez.* 23 no. 11:62-66 N '62.
Skin auto- and homoplasty according to Mowlem-Jackson as a method of surgical treatment in extensive deep burns [with summary in English in insert]. V. M. Burmistrov. *Ortop., travm., i protez.* 23 no. 11:51-55 N '62.
Skin grafting in thermal burns. M. V. Kniazevskii. *Klin. khir.* no. 5:16-20 My '62.
Surgical treatment of deep burns in children [with summary in English in insert]. A. N. Orlov. *Ortop., travm., i protez.* 23 no. 11:47-50 N '62.
Surgical treatment of thermal burns. V. D. Bratun'. *Klin. khir.* no. 5:3-11 My '62.
Surgery in burns; a critical review of contemporary foreign literature. T. I. A. Ar'ev. *Ortop., travm., i protez.* 23 no. 11:76-88 N '62.
Treatment of third degree burns in early free dermatoplasty using the dermatome [with summary in English in insert]. M. Kolokol'tseva, L. N. Sokolov. *Ortop., travm., i protez.* 23 no. 11:13-16 N '62.
Using biological films in treating burns. M. I. Gaganov, M. A. Feldshteyn. *Dokl. AN Azerb. SSR* 19 no. 1:55-58 '63.
- BURUNDI**
The Republic of Rwanda and the Kingdom of Burundi. *Agitator* no. 15:28 Ag '63.
- BURYAT A.S.S.R.—BIBLIOGRAPHY**
Buryat Autonomous Soviet Socialist Republic. *Kal. znani.* i pam. dat. 6 no. 5:58-63 My '63.

BURYAT A.S.S.R.—FAULTS (GEOLOGY)

Fault tectonics in central Buryatia. TS. O. Ochirov. Trudy BKNII no. 7:3-12 '61.

BURYAT A.S.S.R.—JADE

Use of nephrite and the history of its discovery in Buryatia. A. N. Granina. Trudy BKNII no. 7:109-118 '61.

BURYAT A.S.S.R.—PROSPECTING—GEOPHYSICAL METHODS

Geophysical studies in Buryatia. TS. TS. TSyrendorzhiev, I. S. Lebedev. Trudy BKNII no. 7:113-26 '61.

BURYAT A.S.S.R.—SEDIMENTS (GEOLOGY)

History of the Upper Cretaceous and Paleogene in Buryatia. G. A. Dmitriev. Trudy BKNII no. 7:27-30 '61.

BURYAT A.S.S.R.—SHEPHERDS

Fire. IU, Falatov. Uun. nat. no. 3:14-15 Mr '63.

BURYAT FOLKLORE see Folklore, Buryat**BURYAT LITERATURE**

Ulan-Ude. Buriatskii kompleksnyi nauchno-issledovatel'skii institut. [Soviet Literature and Folklore of Buryat Mongolia] Sovetskaya literatura i fol'klor Buriatii. Ulan-Ude, vol. 1, 1961. (MH)

BUS CONDUCTORS (ELECTRICITY)

Installation of unprotected bus conductor lines. IU. M. Gol'dberg. Prom. energ. 18 no. 1:36-40 Ja '63. Replacement of copper with aluminum in the bus systems of zinc electroplating departments. M. IA. Kaganovich. Prom. energ. 18 no. 4:31-34 Ap '63. Selection of steel strips as electric conductors for grounding equipment. P. I. Spevakov. Prom. energ. 18 no. 1:33-38 Ja '63.

BUSH, ELIZAVETA ALEKSANDROVNA, 1886-1960

In memory of Elizaveta Aleksandrovna Bush (Feb. 14, 1886-Sep. 12, 1960). A. M. Semenova-Tian-Shanskain, M. S. Yakovlev, E. E. Gogina. Bot. zhur. 48 no. 2: 297-302 F '63.

BUSINESS EDUCATION see subdivision under Uzbekistan**BUSINESS ENTERPRISES** see subdivision under Lvov Economic region**BUSINESS MATHEMATICS**

Early Russian applied arithmetic from the 12th to the 14th century. M. Sotnikova. Soob. Gos. Erm. no. 23: 53-55 '62.

BUSINESSMEN see subdivision under Canada**BUSTARDS**

Tamed bustards. P. Sosnovyi. Ukraina no. 4:31 F '63.

BUTADIENE

Dimerization of butadiene to cis, cis-1,5-cyclooctadiene catalyzed by π -complex compounds of nickel. L. I. Zakharin, O. G. Zhigareva. Izv. AN SSSR, Otd. khim. nauk no. 2:386 F '63.

Reaction of trichlorogermene with butadiene. V. F. Mironov, T. K. Gar. Izv. AN SSSR, Otd. khim. nauk no. 3:578 Mr '63.

BUTADIENE POLYMERS

Copolymerization of butadiene with isoprene in the presence of various ion-type catalysts. L. S. Bresler, B. A. Dolgoplosk, E. N. Kropacheva. Dokl. AN SSSR 149 no. 3:595-598 Mr '63.

Copolymerization of butadiene with isoprene under the effect of complex metalloorganic catalysts [with summary in English]. L. S. Bresler and others. Vysokom. soed. 5 no. 3:357-362 Mr '63.

Determination of the microstructure of polybutadienes [with summary in English]. N. I. Leonova, B. I. Tikhomirov, A. I. Iakubchik. Vysokom. soed. 5 no. 3:305-308 Mr '63.

BUTADIENE

Erythroderma as a result of using butadiene. G. Kh. Kogen. Vrach. delo no. 3:152 Mr '63.

BUTANOL

Absorption of racemic and (+) -isomers of 2-butanol on stereospecific silica gels. E. I. Klabunovskii. Izv. AN SSSR, Otd. khim. nauk no. 2:228-234 F '63.

BUTENONE

Polymers based on the condensation products of furfural with acetone. Plastic materials based on difurfurylideneacetone. I. V. Kamenskii and others. Plast. massy no. 3:17-19 '63.

BUTENYNE

Kinetics of the copolymerization of acrylonitrile and vinylacetylene [with summary in English]. I. S. Dorokhina, A. D. Abkin, V. S. Klimentov. Vysokom. soed. 5 no. 3:385-392 Mr '63.

BUTTER

Use of thermophilic ferments in the making of ripened cream butter on a continuous production line. M. T. Lutsikova, O. L. Protchenko. Khar. prom. no. 1:27-30 Ja-Mr '63.

BUTTER—MICROBIOLOGY

Studying the specific diversity of yeast in sweet-cream butter. G. G. Blok. Trudy Kras. SKHI 3 no. 1:188-201 '59.

BUTTER—PRESERVATION

Inadequacy of packaging creamery butter in cold storages. IU. A. Olenov, S. A. Livshits. Khol. tekhn. 40 no. 2:34-38 Mr-Apr '63.

BUTTER—STORAGE

Effect of increasing the amounts of yeast on the keeping quality of butter. G. I. Blok. Trudy Kras. SKHI 3 no. 1:174-187 '59.

BUY—MEDICAL LABORATORIES

Experience in organizing the work of the laboratory of the District Sanitary and Epidemiological Station. I. M. Klotzner. Lab. delo 9 no. 3:61-62 Mr '63.

BUZIN'ER, NADEZHDA IOSIFOVNA, 1883-1962

Nadezhda Iosifovna Buzin'er; obituary. Sov. bful. no. 1:101 '63.

BYZANTINE EMPIRE

"Studies in the history of Byzantine society and its culture in the eighth and the early ninth centuries" by E. E. Lipshits. Reviewed by M. IA. Shuzumov. Vop. ist. 38 no. 4:146-148 Ap '63.

CABLE RAILROADS see Railroads, Cable**CABLES** see subdivision under Tashkent**CABLES, SUBMARINE—ATLANTIC**

Submarine monument. V. Vladimirov. Ogonek 41 no. 15:28 Ap '63.

CADDIS FLIES see subdivision under Siberia**CADMIUM**

Diffusion and solubility of cadmium in bismuth telluride. B. I. Boltaks, N. A. Fedorovich. Fiz. tver. tela 5 no. 3: 944-946 Mr '63.

Study of cadmium diffusion in indium antimonide by the method of layer-by-layer autoradiography. B. I. Boltaks, V. I. Sokolov. Fiz. tver. tela 5 no. 4:1077-1081 Ap '63.

CADMIUM—ANALYSES

Use of resorcinol as an indicator during the complexometric determination of cadmium. B. P. Ershov, A. G. Smirnova. Plast. massy no. 4:61-62 '63.

CADMIUM ANTIMONIDES

Properties of the compounds CdSb and ZnSb (reply to V. Frel and B. Velitski). V. E. Khartalev. Fiz. tver. tela 5 no. 4:1225-1227 Ap '63.

CADMIUM BROMIDES

Precipitation of basic cadmium bromides by ammonia. A. K. Kirakosian. Zhur. neorg. khim. 8 no. 3:622-626 Mr '63.

CADMIUM COMPOUNDS

Chromatographic determination of the comparative stability of beryllium and cadmium complex compounds with some organic hydroxy acids. V. K. Zolotukhin, O. M. Fasechnik. Ukr. khim. zhur. 29 no. 3: 335-338 '63.

Complex formation of cadmium with thiourea in water-ethanol solutions. P. K. Migal', V. A. Tsipilakova. Zhur. neorg. khim. 8 no. 3:620-633 Mr '63.

CADMIUM NIOBATES—ELASTIC PROPERTIES

Elastic and piezoelectric properties of cadmium pyroniobate in strong electric fields. V. A. Isupov, V. N. Skubitskii. Fiz. tver. tela 5 no. 3:957-958 Mr '63.

CADMIUM PLATING

Some results of electrolytic cadmium deposition on a selenium plate. Z. A. Iskenderzade, G. B. Abdullaev, G. A. Akhundov. Trudy Inst. fiz. AN Azerb. SSR 11:11-18 '63.

CADMIUM TELLURIDE—ELECTRIC PROPERTIES

Electric properties of hole-type semiconductors in the system HgTe - CdTe. A. D. Shneider, I. V. Gavrilshchak. Fiz. tver. tela 5 no. 4:1208-1212 Ap '63.

CADMIUM TELLURIDE CRYSTALS

Structural characteristics of monocrystalline CdTe films. M. A. Rumsh, F. T. Novik, T. M. Zimkina. Kristallografiya 7 no. 6:873-877 N-D '62.

CALCITE CRYSTALS see subdivision under Transbaikalia**CALCULUS—SPECTRA**

Measurement of the oscillator force of the resonance line of calcium using the method of absorption in the atomic beam. A. I. Odintsov. Opt. i spekir. 14 no. 3: 322-328 Mr '63.

CALCULUS ACETATE

Technology of the processing of gray calcium acetate. L. A. Alderova, V. I. Katunina. Sbor. trud. TSNILKHI no. 14:17-25 '61.

CALCIUM CARBIDE

Calculating the maximum capacity of calcium carbide. V. A. Ershov. Khim. prom. no. 3:237-238 Mr '63.

CALCIUM CHLORIDE

Solubility of tricalcium silicate in calcium chloride solutions. E. P. Andreeva, E. E. Segalova. Dokl. AN SSSR 149 no. 3:589-591 Mr '63.

CALCIUM FLUORIDE

Electron paramagnetic resonance of Tu^{2+} in CaF_2 . P. P. Pashinin, A. M. Prokhorov, V. T. Udovchik. Fiz. tver. tela 5 no. 4:1221-1222 Ap '63.

CALCIUM IN THE BODY

Content of calcium and inorganic phosphorus in the blood of patients with bone fractures. N. M. Sharnatov. Med. zhur. Uzb. no. 8:28-32 Ag '62.

Pilocarpine secretion of digestive glands. A. I. IEM-chenko. Viesny Kyiv. un. no. 1. Ser. biol. no. 2:171-180 '58.

CALCIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of radioactive Ca^{45} on the morphological composition of blood. N. A. Tokovoi, M. V. Anisimov. Trudy Kras. SKHI 3 no. 1:109-115 '59.

CALCIUM METABOLISM

Characteristics of calcium metabolism in birds. E. V. Sokolova. Ornitologiya no. 4:431-448 '62.

CALCIUM PHOSPHATES

Equilibrium in the system monocalcium phosphate - sulfamic acid - water. A. K. Mustaev, K. Sulaimankulov. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:107-109 '62.

Possibility of calcium phosphate precipitation in seawater basins. E. V. Rozhkova, M. B. Serebriakova, T. V. Makarova. Min. syr'ya no. 8:46-60 '62.

CALCIUM SILICATES

Growth speed of crystals of calcium silicates. B. V. Volkonskii, V. I. Sadkov. Trudy Giprotsement no. 24:155-169 '62.

Solubility of tricalcium silicate in calcium chloride solutions. E. P. Andreeva, E. E. Segalova. Dokl. AN SSSR 149 no. 3:589-591 Mr '63.

CALCIUM SULFATE

Directing effect of calcium sulfate in mineral-forming process during clinkering. M. A. Akhmedov, T. A. Ragoza. Uzb. khim. zhur. 7 no. 1:23-27 '63.

CALCULATING MACHINES

"Charles Babbage and his calculating engines" [in English] by Ph. Morrison, E. Morrison. Reviewed by D. IU. Panov. Zhur. vych. mat. i mat. fiz. 3 no. 2:412-413 Mr-Apr '63.

Kozlov, V. Sh., and A. A. Dykhovichnyi. [Design of reinforced-concrete elements; mechanical methods] Raschet zhelezobetonnykh konstruktov; mekhanizirovannye metody. Kiev, Gosstroizdat USSR, 1963. 493 p. Supply agriculture with calculating machines. A. A. Bachurin. Uchet i fin. v kolhoz. i sovkh. 20 no. 3: 43-46 Mr '63.

CALCULI, BILIARY

Origin and characteristics of the microflora of the gall-bladder in acute calculous cholecystitis. Report No. 1. N. F. Nam. Med. zhur. Uzb. no. 8:71-74 Ag '62.

CALCULI, SALIVARY

Treatment and prevention of sialolithiasis complications in the submaxillary salivary glands. V. S. Kovalenko. Stomatologiya 41 no. 5:40-43 S-O '62.

CALCULI, URINARY

Nephrolithiasis. A. G. Romanenko. Med. sestra 21 no. 12:14-17 D '62.

CALCULUS

Letter to the editor. M. B. Barban. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 7 no. 1:82-83 '63.

CALCULUS—STUDY AND TEACHING

Limits; intuitive exposition of the theory of limits recommended for the 11th grade. Mat. v shkole no. 2:68-74 Mr-Apr '63.

CALCULUS, OPERATIONAL

Theory of operational calculus engendered by Bessel's equation. V. A. Ditkin, A. P. Prudnikov. Zhur. vych. mat. i mat. fiz. 3 no. 2:223-238 Mr-Apr '63.

CALCULUS OF PREDICATES

Variants of the classical calculus of predicates with a single deduction tree. V. A. Matulis. Dokl. AN SSSR 148 no. 4:768-770 F '63.

CALCULUS OF VARIATIONS

Region of discontinuous solutions to variational problems of gas dynamics. A. V. Shipilin. Prikl. mat. i mekh. 27 no. 2:342 Mr-Apr '63. Using Hamilton-Jacobi's method in variational problems with partial derivatives. K. A. Lur'e. Prikl. mat. i mekh. 27 no. 2:255-264 Mr-Apr '63. Variational equation for the problem of stability in a state of equilibrium. L. A. Tolokonnikov. Nauch. trudy Tul. gor. inst. no. 3:27-37 '61.

A variational problem related to the Monge-Ampère equation. I. IA. Bakel'tman. Uch. zap. Ped. inst. Gerts. 238:119-131 '62.

- CALENDAR**
"Time and calendar" by A.V. Butkevich, V.N. Gan'shin, L.S. Khrenov. Reviewed by S.V. Drozdov. *Bul. VAGO* no. 33:56-58 '63.
- CALENDAR REFORM**
World calendar. Elisabeth Achelis. *Priroda* 52 no. 3: 46-48 '63.
- CALIPERS**
Attachment to a dial inside caliper for measuring the bushing wall. B. A. Shipilevskii. *Izm. tekhn.* no. 3:11 Mr '63.
Lap for repairing sliding calipers. F. A. Fedorov. *Izm. tekhn.* no. 3:12 Mr '63.
- CALLISTHENICS**
Callisthenics for tractor drivers. V. N. Tikhonov. *Teor. i prak. fiz. kul't.* 26 no. 4:51-52 Ap '63.
Characteristics of didactic principles used in conducting exercises with older people. M. P. Sotnikova. *Teor. i prak. fiz. kul't.* 26 no. 3:50-52 Mr '63.
Emotional aspects of the intermissions for physical training. I. V. Lovitskaia. *Teor. i prak. fiz. kul't.* 26 no. 3:47-50 Mr '63.
- CALMING OF WAVES** see Waves, Calming of
- CALORIMETERS**
Alpha-calorimeters with open surfaces. A. F. Begunkova. *Izv. vys. ucheb. zav. priib.* 6 no. 2:137-146 '63.
- CAMBODIA—DESCRIPTION AND TRAVEL**
Today in Battambang. K. Perevoshchikov. *Smena* 39 no. 16:26-27 Ag '62.
- CAMELS**
Ancient figures of a camel from Orenburg Province and the problem of the domestication of the Bactrian camel E. E. Kuz'mina. *Sov. arkh. eol.* 7 no. 2:35-46 '63.
Brain arteries in camels. I. S. Kadoshnikov. *Trudy Kras. SKHI* 3 no. 1:134-148 '59.
- CAMERAS**
Artistic possibilities of the "Kiev-Vega" camera. *Sov. foto* 23 no. 2:32-34 F '63.
Bunimovich, D. Z., and V. A. Romanin. [Photography and motion-picture cameras; photographic materials, equipment and chemicals] *Foto i kino-apparaty; materialy, prikladnye khimikaty. Spravochnik. Moskva, Gosorgizdat, 1963. 263 p.*
Cameras demand attention. I. Maizenberg. *O. Serebriakov. Sov. foto* 23 no. 2:35 F '63.
Customers are waiting for good cameras. T. Ostianovskii. *A. Semenov. Sov. foto* 22 no. 7:34-35 Ji '62.
How do you load the "Kiev 16S-2?" A. Tikhomirov. *Sov. foto* 22 no. 7:36-37 Ji '62.
- CAMEROON**
Usakovskaya, S. R. [Cameroon] *Kamerun, Moskva, Geografiz, 1962. 35 p. (U karty mira)*
- CAMPS**
(see also subdivision under Novyy Tor'yal; Seliger, Lake)
Good rest is a guaranty of successful studies. V. M. Frolov. *Sred. spets. obr.* 10 no. 4:43-44 Ap '63.
- CANADA—BUSINESSMEN**
People and politics. E. Beranger. *Mir. ekon. i mezhdunar. otn.* no. 2:131-134 '63.
- CANADA—FLOTATION**
Flotation of sulfide copper-nickel ores at the Lynn Lake plant. L. I. Vanev. *Obog. rud* 7 no. 8:42 '62.
- CANADA—FOLKLORE, UKRAINIAN**
Ruchiyts'ki, I. A. B. [An essay on a systematization of Ukrainian-Canadian folklore] *Do pyannia systematyky ukrains'ko-kanads'koho fol'kl'oru. Paris, 1960. 7 p. (NN)*
- CANADIAN MUSICIANS** see Musicians, Canadian
- CANALS**
(see also subdivision under Bukhara; see also Charleroi-Brussels Canal; Irtys'k-Karaganda Canal; Suez Canal; Wierpr-Krzna Canal)
Construction of canals using hydraulic engineering machinery. E. P. Zharitskii, G. P. Shchuk. *Transp. Stroi.* 13 no. 4:25-27 Ap '63.
From the Black Sea to the Baltic. *Rab. i stal.* 39 no. 2: 11 F '63.
- CANCER**
Chaklo, A. V. [Regional characteristics of the distribution of malignant tumors] *Kraevye osobennosti rasprostraneniya zlokachestvennykh opukholei. Leningrad, Medgiz, 1963. 183 p. (DNLM)*
Enzymatic links determining the glycolysis rate in the microsomes of the Ehrlich ascitic cancer cells [with summary in English]. K. N. Sorokin. *Biokhimiia* 29 no. 1:18-21 Ja-F '63.
- CANCER—CONGRESSES**
A scientific offensive against cancer; a forum of oncologists in Moscow. Lev Teplov. *Zhen. mira* no. 12:30-31, 34 '62.
- CANCER—DIAGNOSIS**
Experimental study of the acoustic properties of human blood for the purpose of diagnosing cancer. M. A. Gorbunov, M. M. Derkovskii, N. I. Koshkin. *Prim. ul'trakust. k issl. veshch.* no. 10:191-196 '62.
- CANCER—PREVENTION**
Shevchenko, I. T. [Fundamentals of the prevention of malignant tumors] *Osnovy profilaktiki zlokachestvennykh opukholei. Kiev, Gosmedizdat USSR, 1962. 201 p. (DNLM)*
- CANCER RESEARCH**
(see also subdivision under Moscow)
Quantitative changes in the formed elements of the blood and connective tissues, and blood serum proteins in M-1 sarcoma depending on the growth intensity of the tumor [with summary in English]. V. Rudzite. *Izv. AN Latv. SSR* no. 2:85-95 '63.
- CANCER RESEARCH—CONGRESSES**
Problems in the biology of the cancer cell in the Eighth International Cancer Research Congress (Moscow, July 22 to 28, 1962). O. K. Epidana. *Kaz. med. zhur.* no. 5:90-92 S-O '62.
Treatment of malignant tumors in man; the Eighth International Cancer Research Congress, Moscow, July 22 to 28, 1962. A. M. Okulov. *Kaz. med. zhur.* no. 5:92-95 S-O '62.
- CANDIDOMYCOSIS** see Moniliasis
- CANNED MEAT** see Meat, Canned
- CANNED TOMATOES** see Tomatoes, Canned
- CANNING AND PRESERVING**
(see also subdivision under Moldavia)
Covering the containers during their filling with the hot product. F. I. Kogan. *Kons. i ov. prom.* 18 no. 5: 20-22 My '63.
Let's develop the production of candied fruit. P. Pastukhov. *Sov. potreb. koop.* 7 no. 2:34-35 F '63.
Production technology of canned "Liver puree with rice." N. N. Borovikova, R. Ia. Migkova. *Kons. i ov. prom.* 18 no. 5:23 My '63.
Taranov, V. V. [Vegetable growing for canning] *Vy-rashchivanie ovoshchei dlia konservirovaniia. Leningrad, Selkhozizdat, 1962. 179 p. (DNAL)*
- CANNING INDUSTRY**
(see also subdivision under Krymskaya; Kutais; Lebedyan; Moldavia; Poland; Uzbekistan)
Canning plants on collective farms. R. V. Zablotskii. *Kons. i ov. prom.* 18 no. 5:32-34 My '63.
From the pages of foreign journals. *Kons. i ov. prom.* 18 no. 5:38-41 My '63.
Make adequate preparations for the processing season for the vegetables and fruits from the 1963 crops. *Kons. i ov. prom.* 18 no. 5:1-3 My '63.
Seminar on the elimination of seasonal operations in the canning and dried vegetable industries. P. P. Moskalov. *Kons. i ov. prom.* 18 no. 5:43-45 My '63.
- CANNING INDUSTRY—BIBLIOGRAPHY** see Bibliography—Canning Industry
- CANNING INDUSTRY—COSTS**
Rozman, I. L. [Methods for determining the production costs in the canning industry in the calculation of the economic efficiency of modern equipment; based on the example of grape juice production] *O metodike opredeleniia sebestoimosti v konservnoi promyshlennosti pri ischenii ekonomicheskoi effektivnosti novoi tekhniki; na primere proizvodstva vinogradnogo soka. Kishinev, Izd-vo "Shtiintsa," Akad. nauk Moldavskoi SSR, 1962. 35 p. [MICROFILM]*
- CANNING INDUSTRY—EQUIPMENT AND SUPPLIES**
(see also subdivision under Gorodok; Khmel'nitskiy Province; Makeyevka)
Dika, M. Ia., and A. N. Mal'skii. [Equipment of canning plants] *Oborudovanie konservnykh zavodov. Izd. 3., dop. i perer. Moskva, Pishchepromizdat, 1962. 468 p.*
Improved machine for vegetable cutting. V. P. Alekseev. *Kons. i ov. prom.* 18 no. 5:5-6 My '63.
Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [New equipment of canned milk plants in foreign countries] *O novom oborudovanii molochnokonservnykh zavodov za rubezhom. Moskva, 1962. 21 p. [MICROFILM]*
- CANOE AND CANOEING**
Characteristics of short-distance canoe training. A. P. Stiaev. *Teor. i prak. fiz. kul't.* 26 no. 4:16-22 Ap '63.
- CAPACITY AND DEABILITY**
Liability for loss caused by the acts of persons not legally responsible. L. Maldanik. *Sots. zakon.* 39 no. 7: 31-33 Ji '62.
- CAPERCAILLIE**
Catching, keeping temporarily in captivity and transporting capercaillies. S. P. Kirpichev. *Ornitologiya* no. 4:385-396 '62.
- CAPILLARIES**
Capillaroscopic studies in the cerebral form of hypertension. G. M. Isa-Zade. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech.* no. 3:106-116 '62.
A thick-walled capillary. M. M. Gurevich. *Svetovaya optika* 9 no. 3:29-30 Mr '63.
- CAPILLARIES—PERMEABILITY**
Change in the permeability of capillary vessels and the absorption of the Congo red from the blood channels of the cells of reticuloendothelium following intravenous injection of thrombin. V. E. Pastorova. *Nauch. dokl. vys. shkoly; biol. nauk* no. 2:105-108 '63.
Mechanism of the disorders in capillary permeability in rheumatic fever in children [with summary in English]. T. P. Borisova. *Vop. revm.* 1 no. 2:81-86 Ap-Je '61.
- CAPILLARITY**
Heat and mass transfer in capillary bodies in the process of heating [with summary in English]. O. A. Rudenko-Gritskuk, A. A. Mikhelov. *Inzh.-fiz. zhur.* 8 no. 3: 95-98 Mr '63.
Method of the presentation of capillary action. V. K. Fursov. *Fiz. v shkole* 23 no. 1:24-26 Ja-F '63.
Temperature effect on the height of liquid levels in capillary tubes subjected to high-frequency vibrations [with summary in English]. E. G. Kononov, I. N. Germanovich. *Inzh.-fiz. zhur.* 8 no. 3:103-105 Mr '63.
- CAPILLENE**
Chemistry of polyene and polyacetylene compounds. Report No. 91 Synthesis of capillene, capillin, and related compounds. B. P. Gusev, V. F. Kucherov. *Izv. AN SSSR, Otd. khim. nauk* no. 3:617-621 Mr '63.
- CAPITAL**
(see also subdivision under United States; Uzbekistan)
Gubzhirov, G. P. [What are capital assets?] *Chto takoe osnovnye proizvodstvennye fondy. Tashkent, Gosizdat UzSSR, 1962. 37 p. (V pomoshch' rabotchemu)*
Kvasha, I. A. B. [Capital investments and assets of the U.S.S.R. and the U.S.A.] *Kapital'nye vlozheniia i osnovnye fondy SSSR i SSHA. Moskva, Izd-vo Akad. nauk SSSR, 1963. 261 p.*
- CAPITAL EXPORTS** see Investments, Foreign
- CAPITAL INVESTMENTS**
(see also subdivision under United States)
Akademii nauk SSSR. Nauchnyi sovet po effektivnosti osnovnykh fondov. *Kapital'nye vlozheniia i osnovnye fondy SSSR i SSHA. Moskva, Izd-vo Akad. nauk SSSR, 1963. 261 p.*
Using the indices of specific capital investments. R. Merkin. *Ekon. stroi.* no. 4:39-43 Ap '63.
- CAPITAL INVESTMENTS—AUDITING AND INSPECTION**
New features in State Bank control over capital investment plans. A. Perberg. *Fin. SSSR* 37 no. 3:15-21 Mr '63.
- CAPITALISM**
(see also subdivision under India)
Akademii nauk SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Problems of unemployment during the period of the general crisis of capitalism] *Problemy bezrabotitsy v period obshchego krizisa kapitalizma. Moskva, Sotsekgiz, 1963. 319 p.*
Militarist nature of the modern state-monopoly capitalism. P. V. Sokolov. *Mor. sbor.* 46 no. 5:35-45 My '63.
Modern capitalism and the class struggle. A. Arzumani. *Mir. ekon. i mezhdunar. otn.* no. 2:3-14 '63.
Technological theory in bourgeois economics. I. Dvorkin. *Vop. ekon.* no. 4:107-120 Ap '63.
- CAR SPRINGS**
A semiautomatic production line for manufacturing torsion springs for railroad cars. S. Ia. Shataeva and others. *Prom. energ.* 18 no. 1:12 Ja '63.
- CAR WHEELS**
Diameter of railroad car wheels. V. N. Krivosheev. *Vest. TSNI MPS* 22 no. 1:8-13 '63.
Improving the technology of the forming of the pair of wheels. G. A. Bobrovnikov. *Zbel. dor. transp.* 43 no. 4:48-50 Ap '63.

CARBAMIC ACID

Possible use of carbathion. I. M. Pollakov. *Zashch. rast. ot vred. i bol.* 6 no. 11:30-32 N '61.

CARBAZIC ACID

Structure of a hydrazinedihydrazinecarboxylic complex of cobalt. L. D. Tshetshvili. *Trudy Inst. khim. AN Gruz. SSR* 16:15-20 '62.

CARBOHYDRATE METABOLISM

Carbohydrate-phosphorus metabolism in D avitaminosis. A. R. Borys'ka. *Visnyk Kyiv. un.* no. 1. Ser. biol. no. 2:181-186 '58.

Characteristics of water balance and carbohydrate metabolism in some trees and shrubs of the Karaganda industrial area. A. S. Sitnikova. *Trudy Inst. bot. AN Kazakh. SSR* 14:170-184 '62.

Effect of mud applications on some aspects of carbohydrate metabolism in animals. E. M. Driker. *Vop. kur., fizioter. i lech. kul't.* 28 no. 1:68-72 '63.

Effect of temporary cessation of fetal-maternal blood circulation on the contracting activity of the uterus and carbohydrate metabolism of the mother. Kh. G. Kanbal. *Azerb. med. zhur.* no. 2:10-15 F '62.

State of carbohydrate metabolism in toxicooses of the first half of pregnancy. A. D. Maikova-Kasumova. *Azerb. med. zhur.* no. 2:35-42 F '62.

CARBOHYDRATES

Effect of irradiation conditions on the radiolysis of carbohydrate solutions. S. V. Starodubtsev, V. V. Generalova, G. V. Poliak. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk* 7 no. 1:39-45 '63.

Use of some carbohydrates for the dosimetry of neutron, mixed, and γ -fields. S. V. Starodubtsev, V. V. Generalova. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk* 7 no. 1:40-50 '63.

CARBOHYDRATES IN THE BODY

Carbohydrate component of mucoprotein in rheumatic patients. G. A. Tsipova. *Vrach. delo* no. 3:50-63 Mr '63.

Change in the protein and polysaccharide composition of the heart valves at different stages of the disorganization of the connective tissue in rheumatic heart disease [with summary in English]. G. L. Mingkaia. *Vop. revm.* 3 no. 1:17-24 Ja-Mr '63.

CARBON

Absorption of stopped negative π -mesons in carbon [with summary in English]. V. S. Demidov and others. *Zhur. eksp. i teor. fiz.* 44 no. 4:1144-1146 Ap '63.

Certain regularities in the oxidation of carbon by oxygen. B. M. Derman. *Trudy IGI* 10:144-147 '62.

Chalykh, E. F. [Technology of carbon-graphite materials] *Tekhnologiya uglegrafitovykh materialov*. Moskva, Metallurgizdat, 1963. 304 p.

Chemical mechanism of the reaction of carbon with water vapor. B. M. Derman. *Trudy IGI* 10:160-163 '62.

Homogeneous and heterogeneous crystallization of carbon. V. I. Kasatchkin, G. B. Finkele'shteln. *Dokl. AN SSSR* 149 no. 3:629-632 Mr '63.

Reaction of water vapor with carbon in the burning of peat coke in a bed. V. A. Olenev. *Trudy IGI* 10:164-173 '62.

Use of motion pictures in acquainting students with allotropic modifications of carbon. N. I. Avdiunin. *Khim. v shkole* 18 no. 2:41-45 Mr-Apr '63.

CARBON DIOXIDE

Decomposition of the salts of synthetic fatty acids with carbonic acid. N. K. Man'kovskaya, Z. I. Getmanskaya. *Masl. -zhir. prom.* 29 no. 2:18-21 F '63.

Factors of accumulation of combined carbon dioxide in champagne wine. A. A. Merzhanian. *Blokhim. yin.* no. 7:146-163 '63.

CARBON ISOTOPES—INDUSTRIAL APPLICATIONS

Radiographic study of carbon transfer in the fusion zone. L. S. Livshits, L. F. Bakhrakh. *Avtom. svar.* 16 no. 3: 90-93 Mr '63.

CARBON MONOXIDE

Determination of the compressibility of methanol, carbon monoxide-hydrogen and carbon monoxide-hydrogen-methanol mixtures at high temperatures and pressures. D. B. Kazarnovskaya, I. P. Sidorov, I. A. S. Kazarnovskii. *Khim. prom.* no. 3:205-211 Mr '63.

Selection and study of means of removing carbon monoxide from the air in mines. V. V. Nedin, D. Z. Gellman, A. P. Ivanov. *Sbor. nauch. trud. Kriy. fil. IGD AN URSR* no. 1:36-43 '62.

CARBONATED WATERS see Mineral waters

CARBONATES

(see also subdivision under Daghestan)
New developments concerning the dissociation of cement carbonates. N. A. Toropov, I. G. Luginina. *TSement* 29 no. 2:4-6 Mr-Apr '63.

CARBONIC ACID

Dissociation constant values of carbonic acid at elevated temperatures. B. N. Ryzhenko. *Dokl. AN SSSR* 149 no. 3:639-641 Mr '63.

CARBONIC ACID—THERMAL PROPERTIES

Experimental study of the heat emission of carbonic acid in the region of thermodynamic crisis during turbulent flow in pipes. B. N. Kolbasov. *Trudy MIT* no. 139: 193-200 '61.

CARBONYL GROUP

Synthesis of α -substituted β -keto esters. K. D. Penicescu and others. *Izv. AN SSSR. Otd. khim. nauk* no. 2: 332-339 F '63.

CARBOXYL GROUP

Effect of the ionic strength of an electrolyte solution on the properties of carboxyl cation exchangers. Z. S. Tabidze and others. *Plast. massy* no. 3:33-36 '63.

CARDIAC VEIN

Role of the thebesian vessels in the compensation mechanisms of cardiac insufficiency [with summary in English]. V. L. Fastovskii. *Vrach. delo* no. 3:81-83 Mr '63.

Morphology of the thebesian vessels of the right ventricle in emphysema of the lungs and atherosclerosis. E. Lashchenko. *Izv. AN Latv. SSR* no. 2:100-104 '63.

CARDIACA, FOSSIL see subdivision under Sakhalin

CARDING MACHINES see subdivision under United States

CARDING MACHINES—CLEANING

Automatic cleaning of the card clothing. A. F. Pervov. *Tekst. prom.* 23 no. 3:40-42 Mr '63.

CARDIOLOGY

"Sectional cardiology" [translated from the Czech by V. Jonáš. Reviewed by S. V. Shestakov. *Kardiologiya* 2 no. 3:90-92 My-Je '62.

CARDIOVASCULAR PATIENT—CARE AND TREATMENT

Organization of anticoagulant therapy for cardiovascular patients under polyclinical conditions. V. P. Kitenko. *Kaz. med. zhur.* no. 5:83-84 S-O '62.

CARDIOVASCULAR SYSTEM—DISEASES

Anticoagulants in the treatment of cardiovascular diseases. L. P. Pressman, I. N. Artemenko. *Trudy MONIKI* no. 5:225-230 '62.

Character of changes in the cardiovascular system due to radioactive iodine therapy in thyrotoxicosis. L. A. Loschinskii, V. V. Trusov. *Vrach. delo* no. 3:127-130 Mr '63.

Chizmedzhian, T. A. [Some problems of the clinical aspect and the therapy of neuroses with a pronounced cardiovascular syndrome] *Nekotorye voprosy kliniki i terapii nevrozov s vyrazhennym serdечно-sosudistym sindromom*. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 56 p. (DNLM)

Control of cardiovascular diseases in the U. S. S. R. I. A. Ryvkin. *Med. sestra* 21 no. 11:4-8 N '62.

Dispensary care of patients with cardiovascular diseases. P. P. Obnosov. *Med. sestra* 21 no. 11:35-39 N '62.

Effective method for the prevention of cardiovascular diseases; concerning sanitary instruction of outpatients. A. T. Arustamova. *Med. sestra* 21 no. 11:56-58 N '62.

CARGO HANDLING

Use of electromagnets in harbors; practices in foreign countries. A. Kazakov. *Rech. transp.* 22 no. 4:45-46 Ap '63.

CARGO HANDLING—ACCOUNTING

Establish new indices for harbor operations. I. A. Mirman. *Rech. transp.* 22 no. 4:17-18 Ap '63.

CARGO HANDLING—EQUIPMENT AND SUPPLIES see subdivision under Latvia

CARGO HANDLING—PRODUCTION STANDARDS

New standards for the loading and unloading of ships in sea harbors. Blul, tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:64-67 '62.

CARNALLITE

Dehydration of carnallite in a flow of hot gases containing chlorous hydrogen and water vapor. E. I. Savinkova, T. F. Sukhova, I. I. Postnikova. *TSvet. met.* 36 no. 4:61-65 Ap '63.

"Production of dehydrated carnallite" by M. A. Eldenzon. Reviewed by I. V. Balmakov, E. Tsybina. *TSvet. met.* 36 no. 4:64 Ap '63.

CAROTENE

Seasonal changes of the carotene content in cattle serum. N. A. Tokovoi, M. V. Anisimov. *Trudy Kras. SKHI* 8 no. 1:73-80 '59.

CAROTENE—THERAPEUTIC USE

Use of naphthalen and a paste made from coniferous needles in treating wounds of soft tissues in irradiated animals. L. I. Abasaulieva, A. D. Kazarian. *Azerb. med. zhur.* no. 2:27-34 F '62.

CAROTID BODY—INNERVATION

Anichkov, S. V., and M. L. Bolen'kii. [Pharmacology of the chemoreceptors of the glomus carotidum] *Farmakologiya khimicheskikh receptov karotidnogo klubochka*. Leningrad [Medgiz], 1962. 199 p. (DNLM)

CAROTID SINUS—DISEASES

Case of carotid sinus syndrome. M. M. Piskunkova. *Kaz. med. zhur.* no. 5:50-52 S-O '62.

CARP

(see also subdivision under Tsimlyansk Reservoir)
Kuz'min, A. N. [Development of the reproductive system in carp in different latitudes] *Razvitie vosproizvoditel'noi sistemy u karpov, obitayushchikh v raznykh shiro-takh*. Leningrad, 1957. 64 p. (Leningrad. Gosudarstvennyi nauchno-issledovatel'skii Institut ozernogo i rechnogo khozaistva, Izvestia, vol. 43, no. 1) [With summary in English.]

CARPATIAN MOUNTAIN REGION—MOUNDS

"Carpathian mounds of the first half of the first century A. D." by M. I. U. Smishko. Reviewed by A. T. Braichevskaya. *Sov. arkeol.* 7 no. 2:265-270 '63.

CARPATIAN MOUNTAINS—CONSERVATION OF NATURAL RESOURCES

Present state and current tasks in the protection of nature in the Ukrainian Carpathians. S. M. Stoiko. *Okhr. priro. i zapov. delo v SSSR* no. 7:7-24 '62.

CARPATIAN MOUNTAINS—GEOLOGY

Karpat-Balkanskaya geologicheskaya assotsiatsiya. 5, s'ezd. [Materials of the Fifth Conference of the Carpatho-Balkan Geological Association] *Materialy*. Kiev, Izd-vo Akad. nauk URSR, 1962. 309 p.

CARPATHO-UKRAINE see Transcarpathia

CARRIAGES AND CARTS

More about a new motor cart. I. U. Solovykh and others. *Sots. obes.* 24 no. 4:44-46 Ap '63.

CARTHAGE—POLITICS AND GOVERNMENT

Characteristics of the Carthaginian governmental system [with summary in French]. I. Sh. Shifman. *Krat. soob. Inst. nar. Az.* no. 46:213-226 '62.

CARTOGRAPHY

From Claudius Ptolemy to Rigobert Bonn [with summary in English]. I. U. S. Frolov. *Vest. LGU* 18 no. 6:118-125 '63.

CASE HARDENING

Increasing the hardness of rolls for the paper industry. V. K. Bel'govskii, V. I. Parshina. *Lit. protzv.* no. 4:4 Ap '63.

Soft nitriding. E. M. Sul'menova. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 3:23-24 '63.

CASPIAN DEPRESSION—GAS, NATURAL—GEOLOGY

Some problems of the geology and prospects for finding oil and gas in the southwestern part of the Caspian Depression. V. I. Mal'tsev, L. V. Sharapova, B. I. Urchenko. *Geol. nefit i gaz* 7 no. 3:16-16 Mr '63.

CASPIAN DEPRESSION—PETROLEUM GEOLOGY

Some problems of the geology and prospects for finding oil and gas in the southwestern part of the Caspian Depression. V. I. Mal'tsev, L. V. Sharapova, B. I. Urchenko. *Geol. nefit i gaz* 7 no. 3:10-16 Mr '63.

CASPIAN SEA—ALLUVIUM

Mechanical and mineralogical composition of coastal alluviums as an indicator of the dynamics of the shore (as exemplified in the southeastern Caspian sea). L. G. Nikiforov. *Okeanologiya* 3 no. 2:276-284 '63.

CASPIAN SEA—DEEP-SEA DEPOSITS

Formation of deposits in the ancient Caspian Sea on the territory of Azerbaijan. N. V. Pashaly. *Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefit* no. 6:45-53 '62.

CASPIAN SEA—PETROLEUM GEOLOGY

Formation of oil pools in the tectonic zone of Artem Island, the Darwin Shoal, and Gyurgyany-More region. B. M. Kerimov, P. A. Tagizade. *Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefit* no. 6:29-35 '62.

CASPIAN SEA—SHIPS—TECHNOLOGICAL INNOVATIONS

Competition-review in the Caspian Steamship Line. I. A. Dynin, L. A. Nikushkin. *Blul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota* 7 no. 4:123-127 '62.

CASPIAN SEA—WATER, UNDERGROUND

On the geochemistry of interstitial waters of the Quaternary and Pliocene deposits of the southern Caspian. Z. V. Pushkina. *Dokl. AN SSSR* 148 no. 4:921-924 F '63.

CASPIAN SEA REGION—ELM—WATER REQUIREMENTS

Erpert, S. D. [Growth and water requirements of the dwarf elm under various conditions of protection in the northwestern Caspian Sea region] *Rost i vlagopotreblenie vliaza melkolistnogo v usloviyakh razlichnoi blagobespechennosti v Severo-Zapadnom Prikaspii*. Moskva, Izd-vo Akad. nauk SSSR, 1962. 62 p. (DNAL)

CASPIAN SEA REGION—GEOLOGY, STRUCTURAL

Boundary of platforms of different age in the northern Caspian Sea region. A. A. Borisov and others. Dokl. AN SSSR 148 no. 4:896-899 F '63.

"Structural and geomorphological studies in the Caspian Sea region." Reviewed by I. U. A. Meshcheriakov. Izv. AN SSSR Ser. geog. no. 2:140-143 Mr-Apr '63.

CASPIAN SEA REGION—OWLS

Caspian eagle owl (*Bubo bubo gladkovi* subsp. nov.). V. S. Zaitsev. Ornitologiya no. 4:190-192 '62.

CAST IRON

Increasing the hardness of rolls for the paper industry. V. K. Bel'govskii, V. I. Parshina. Lit. proizv. no. 4:4 Ap '63.

CAST IRON—ANALYSIS

Behavior of magnesium cast iron components held in liquid state. A. I. A. Khrapov, V. I. Bedarov. Lit. proizv. no. 4:16-18 Ap '63.

CAST IRON—METALLURGY

(see also subdivision under Krasnoyarsk Territory)

Crystallization of cast iron inoculated with cerium, tellurium, and calcium. D. N. Khudokormov, O. S. Komarov. Lit. proizv. no. 4:21-23 Ap '63.

Effect of the material of the crucible (ladle) on the residual content of cerium in cast iron being held under a reducing layer. Lit. proizv. no. 4:20-21 Ap '63.

Inoculation of cast iron by zinc. A. V. Chernovol, I. U. N. Taran. Lit. proizv. no. 4:19-20 Ap '63.

Making pig iron with an oxygen-enriched blow. N. P. Viatkin and others. Stal' 23 no. 4:293-296 Ap '63.

Use of inoculation to increase the density of thin-walled iron castings. P. D. Kurochkin, L. I. Rylov. Lit. proizv. no. 4:42-43 Ap '63.

CAST IRON—WELDING

Welding of cast armco iron. I. G. Gorin. Avtom. svar. 16 no. 4:19-23 Ap '63.

CASTING see Iron foundry

CATALASE

Changes in the catalase activity in serial parts of walnuts during the year. L. K. Polishchuk. Visnyk Kyiv. un. no. 2, Ser. biol. no. 1:69-80 '59.

CATALOGING

It is time to put centralized cataloging in order. Z. M. Shevchenko, N. I. Kurapova. Sov. bibl. no. 1:83-84 '63. Moscow. Gosudarstvennyi biblioteknyi institut. [Descriptive cataloging of books; the alphabetical catalog] Opisaniye proizvedeniy pechaty; alfavitnyi katalog. Metodicheskoe posobie. Moskva, 1962. 20 p.

CATALOGING OF MUSIC

Pressing problems in present-day cataloging of music. E. A. Novikova. Sov. bibl. no. 1:10-25 '63.

CATALOGING OF PERIODICALS

Processing serial publications and their representation in the catalogs. T. I. Shegolevskaya. Opyt. rab. bibliot. s lit. no. 5:73-82 '63.

CATALOGING OF PHONORECORDS

Processing language-teaching recordings. T. V. Zanozina. Opyt. rab. bibliot. s lit. no. 5:83-91 '63.

CATALOGS, DICTIONARY

Moscow. Gosudarstvennyi biblioteknyi institut. [Descriptive cataloging of books; the alphabetical catalog] Opisaniye proizvedeniy pechaty; alfavitnyi katalog. Metodicheskoe posobie. Moskva, 1962. 20 p.

CATALOGS, UNION

[Union list of new foreign books, received by the libraries of the U.S.S.R. Series B: Social sciences] Svod. blul. nov. inostr. knig. postup. v bibl. SSSR. Ser. B: Obshchestv. nauki no. 5/6 '62.

CATALYSIS

Bakumenko, T. T. [Catalytic properties of rare and rare-earth elements] Kataliticheskie svoystva redkikh i redkozemel'nykh elementov. Kiev, Izd-vo Akad. nauk USSR, 1963. 99 p.

[MICROFILM]

Catalytic properties of iron and cobalt alloys in the reaction of ammonia synthesis. M. V. Tovbin, V. G. Chalenko. Ukr. khim. zhur. 29 no. 3:278-284 '63.

Chemical evening on the topic "Catalysis." A. B. Popova. Khim. v shkole 18 no. 2:80-81 Mr-Apr '63.

Evaluation of the catalytic activity of the alcoholate of monoethanolamine. I. A. Kozlov, A. G. Shablina. Masl. zhur. prom. 29 no. 2:22-23 F '63.

Perchenko, V. N., and S. R. Sergienko. [Selective catalytic hydrogenation of sulfur-organic compounds] Izbratel'noye kataliticheskoye gidirovanie seryorganicheskikh soedineniy. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 81 p.

Polarographic hydrogen catalytic currents in solutions of complex compounds of some metals [with summary in English]. G. L. Elizarova. Zhur. anal. khim. 18 no. 1:4-8 Ja '63.

Skarchenko, V. K. [Aluminosilicate catalysts in the light of the modern theory of heterogeneous catalytic processes] Aluminosilikatnye katalizatory v svete sovremennoi teorii geterogennno-kataliticheskikh protsessov. Kiev, Izd-vo Akad. nauk USSR, 1963. 117 p.

CATALYSTS

Achievements in the production of catalysts in the petroleum refining industry and prospects of its development. R. G. Ivanov. Biul. tekhn.-ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:9-13 '63. Bond energies of interaction between organogens and the surface of oxide catalysts. A. A. Balandin, A. A. Tolstopiatova, V. A. Neumov. Dokl. AN SSSR 148 no. 4: 825-828 F '63.

Catalytic cracking of raw heavy distillates on a microspherical catalyst of Troshkovskiy clay. V. V. Manshulin and others. Khim. i tekhn. topl. i masel. 8 no. 3: 1-6 Mr '63.

Possibility of replacing platinum by some metallic oxide catalysts. N. G. Bekauri, L. F. Topardize. Trudy Inst. khim. AN Gruz. SSR 16:51-56 '62.

Shurko, R. I., and K. A. Pochernikova. [Production of synthetic catalysts for petroleum refining] Proizvodstvo sinteticheskikh katalizatorov dlya neftepererabotki. Pod red. I. S. dop. L. E. Gel'msa. Moskva, Gosoptekhizdat, 1963. 117 p.

CATAPHORESIS see Electrophoresis

CATARACT

Borisova, K. S., and A. S. Preaman, comps. [Cataracts; translations from foreign periodical literature] Luchevye katarakty; sbornik perevodov izostrannoi periodicheskoi literatury. Pod red. A. A. Letavina i S. F. Belovol. Moskva, Medgiz, 1959. 303 p. (CU-M)

CATECHOL

Catechols in the wild tea plant. K. M. Dzhenukhadze, L. F. Milesheko, P. G. Nakmedov. Biokhim. chain. proizv. no. 9:58-60 '62.

A day's dynamics of catechols and flavones in a tea plant. K. M. Dzhenukhadze, G. A. Buzun, M. N. Nestluk. Biokhim. chain. proizv. no. 9:15-19 '62.

Separation of catechins by paper chromatography. G. A. Buzun. Biokhim. chain. proizv. no. 9:189-191 '62.

CATHETERS

Method of catheterization and washing of the urinary bladder. E. N. Parfenova. Med. sestra 21 no. 12:31-36 D '62.

CATHODE RAY OSCILLOGRAPH

Device for observing amplitude-phase characteristics using an electronic model of a complex number. V. G. Pustynnikov, G. I. Mudretsov. Izv. vuz. ucheb. zav.; elektromekh. 6 no. 2:246-251 '63.

CATHODE RAY OSCILLOGRAPH—MAINTENANCE AND REPAIR

Novopolskii, V. A. [Maintenance of an electronic oscilloscope] Elektronnii oscillograf; ekspluatatsiya i remont. Moskva, Gosenergoizdat, 1962. 208 p.

CATHODES

Method for the simultaneous study of the dependence of the secondary electron and ion emission on the thickness of different films on metals. U. A. Arifov, A. Kh. Alukhanov, S. V. Starodubtsev. Radiotekh. i elektron. 8 no. 4:669-674 Ap '63.

Speed and evaporation products of a thorium carbide thermocathode. B. I. Mikhailovskii, R. I. Marchenko. Radiotekh. i elektron. 8 no. 4:680-683 Ap '63.

Structure and secondary electron emission from activated beryllium bronze emitters. A. M. Titkov. Radiotekh. i elektron. 8 no. 4:698-708 Ap '63.

CATHOLIC CHURCH—CLERGY

(see also subdivision under United States)

Questions and answers. Nauka i rel. 4 no. 2:84 F '63.

CATHOLIC CHURCH (BYZANTINE RITES) see subdivision under Ukraine

CATIONS

Effect of calcium and iron cations on the flotation of beryl and biotite with a cation collector. K. A. Razu-mov, Sin Wei-chihun [Hsing Wei-chung]. N. A. I. Anis. Obog. rud 7 no. 3:3-5 '62.

Effect of outer-sphere cations on complex formation in solutions. V. E. Mitronov. Zhur. neorg. khim. 8 no. 3: 764-767 Mr '63.

CATTLE see subdivision under Moscow Province

CATTLE—FEEDING AND FEEDS

Positive results obtained in cattle fattening on specialized farms. N. Pomin. Mias. ind. SSSR 34 no. 1:45-47 '63.

CATTLE—PHYSIOLOGY

Seasonal changes of the carotene content in cattle serum. N. A. Tokovoi, M. V. Anisimov. Trudy Kras. SKHI 3 no. 1:73-80 '59.

CATTLE—TRANSPORTATION

Livestock transportation on a ship's deck. N. Petrov. Mor. flot 23 no. 1:10-11 Ja '63.

CATTLE—WATERING

Automatic livestock watering are the most reliable. V. Kryvoshelev. Mekh. sil. hosp. 14 no. 3:16-17 F '63.

CATTLE BREEDING see subdivision under Mongolia

CAUCASUS—AUTOMOBILES—ROAD GUIDES

TSvetlov, I. U. V. [By automobile through the Caucasus. A guidebook] Na avtomobile po Kavkazu; putevoditel'. Moskva, Avtotransizdat, 1962. 221 p.

CAUCASUS—BIRDS

Geographical distribution of birds in different parts of the central Caucasus. P. P. Vtorov. Ornitologiya no. 4:210-233 '62.

CAUCASUS—HISTORY

Borkelov, K. G. [Lenin and the peoples of the Caucasus] Lenin i narody Kavkaza. Pod obshch. red. V. D. Krasova. Na'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1963. 177 p. (CS-IH)

CAUCASUS—MOUNTAINEERING

Kropf, F. A. [Western Caucasus; description of paths for ascending summits from the Karakaya Mountains to the Klukhorskii Pass] Zapadnyi Kavkaz; opisaniye putey voskhozhdeniya na vershiny ot massiva Kara-Kalad Klukhorskogo perevala. Moskva, Fizkul'tura i sport, 1962. 173 p.

CAUCASUS, NORTHERN—COMMUNIST YOUTH LEAGUE

Activists are holding council. P. Vasil'ev. Komsomol'skiy zhizn' no. 4:16 F '63.

CAUCASUS, NORTHERN—GAS, NATURAL—GEOLOGY

Prospecting for petroleum and gas pools associated with lithological and stratigraphical traps. N. V. Hrenov, I. V. Grishina, V. I. Ermakov. Geol. nefit i gaz 7 no. 3:16-22 Mr '63.

CAUCASUS, NORTHERN—HEALTH RESORTS, WATER-ING PLACES, ETC.

Al'favitskii, A. V. [Treatment of urological diseases at health resorts of the Caucasian Mineral Waters Region] Lechenie bol'nykh s urologicheskimi zabolevaniyami v kurortakh Kavkazskikh Mineral'nykh Vod. 2. dop. izd. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1961. 101 p. (DNLM)

CAUCASUS, NORTHERN—JAPANESE PACHOA TREE. Protistocidal characteristics of Sophora japonica. V. A. Bandukova. Nauch. dokl. vys. shkoly; biol. nauch. no. 2: 164-166 '63.

CAUCASUS, NORTHERN—MOLLUSKS, FOSSIL

Fauna of Lower Miocene sediments in the Northern Caucasus. N. S. Volkova. Trudy VNIIGI no. 174. Paleont. sbor. no. 3:303-333 '62.

CAUCASUS, NORTHERN—PETROLEUM GEOLOGY

Prospecting for petroleum and gas pools associated with lithological and stratigraphical traps. N. V. Hrenov, I. V. Grishina, V. I. Ermakov. Geol. nefit i gaz 7 no. 3:16-22 Mr '63.

CAUCASUS, NORTHERN—RAILROADS

The port of Novorossiysk and the Vladikavkaz Railroad after the Reform of 1961. L. V. Kuprianova. Ist. zap. 73:289-300 '63.

CAUCASUS, NORTHERN—RIVERS

Coefficient of flow fluctuation for large rivers in the Georgian S. S. R. and the Northern Caucasus and its change in dependence on the calculated outflow. T. V. Shvaidze, I. S. Barkhudarova. Trudy Inst. energ. AN Gruz. SSR 10:13-30 '62.

CAUCASUS, NORTHERN—ROCKS, SEDIMENTARY

Lithofacies of Albian sediments in central and eastern Ciscaucasia. B. K. Proshliakov. Sov. geol. 8 no. 2: 72-81 F '63.

CAUSALGIA

Treatment of the causalgia syndrome in traumatic lesions of the peripheral nerves and the effectiveness of naphthalen treatment. A. V. Felzullayev. Med. i biol. Azerb. nauch. -issl. inst. kur. i fiz. med. i lech. no. 3: 90-96 '63.

CAVES see subdivision under Podolia

CAVIAR see subdivision under Soviet Far East

CAVITATION

Cavitation and cavitation-abrasion wear as a current of water containing abrasive particles flows around a surface roughness. S. P. Kozyrev. Gidr. stroi. 33 no. 2:43-45 F '63.

Karelin, V. Ia. [Cavitation phenomena in centrifugal and axial-flow pumps] Kavitatsionnye yavleniya v tsentrobegnykh i osyevykh nasosakh. Moskva, Mashgt. 1963. 255 p.

CAVITATION (Continued)

On the mechanism underlying cavitation destruction. G. A. Ostroumov, Akust. zhur. 9 no. 2:198-204 '63.
Spectral characteristics of the genesis of ultrasonic cavitation in water. V. A. Akulichev, V. I. Il'ichev, Akust. zhur. 9 no. 2:158-161 '63.

CELESTIAL MECHANICS see Mechanics, Celestial

CELL METABOLISM

Interrelation between the physiological function and genetic apparatus of a cell. F. Z. Meerson, E. M. Lefkina, T. D. Beloshapkina. Dokl. AN SSSR 149 no. 3: 700-702 Mr '63.

CELL NUCLEI

Changes in the dimensions of the cell nuclei of single-layer tissue cultures in the cytopathic action of viruses. I. A. E. Khessin, Vop. virus. 7 no. 6:643-649 N-D '62.

CELLS

Chronic cell infection by virus of tick-borne encephalitis. Report No. 1: Cell properties of chronically infected cultures [with summary in English]. O. G. Andzhaparidze, N. N. Bogomolova, S. I. A. Salkind. Vop. virus. 7 no. 6:650-654 N-D '62.

CELLULAR PATHOLOGY see Pathology, Cellular

CELLULOSE

Effect of the solutions of the oxidizing agent (sodium hypochlorite) on cellulose fibers. F. I. Korchemkin. Sbor. trud. TSNILKHI no. 14:116-119 '61.
Interaction of cellulose with some hydroxyl-containing compounds studied by infrared spectroscopy. I. U. Putlev and others. Uzb. khim. zhur. 7 no. 1:28-33 '63.
Kulikovskii, P. K., and A. D. Shustov. [Electric drive for machinery in the cellulose and paper-making industry] Elektroprivod mashin tsellulozno-bumazhnol promyshlennosti. Moskva, Gosenergoizdat, 1962, 371 p.
Long-lived radicals formed in the γ -irradiation of cellulose [with summary in English]. V. N. Makatun, A. K. Potapovich, I. N. Ermolenko. Vysokom. soed. 5 no. 3: 467-468 Mr '63.
Oxidation of cellulose by nitrogen dioxide. Part 1: Study of cellulose reactions by means of the adsorption balance [with summary in English]. I. Rusznak, D. Laval, M. Toth. Vysokom. soed. 5 no. 3:440-452 Mr '63.
Phosphorylated polysaccharides. Part 2: Phosphorylation of cellulose by alcoholysis of the amides of trivalent phosphorus acids [with summary in English]. K. A. Petrov and others. Vysokom. soed. 5 no. 3:348-352 Mr '63.
Salted in isotherms and their changes. S. V. Bleshinski. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9: 41-45 '62.
Use of spectroscopic methods in studying electron paramagnetic resonance and gamma-irradiated cellulose materials. I. M. Iarmolenka, A. K. Potapovich, V. N. Makatun. Vestsi. AN BSSR. Ser. fiz.-tekh. nav. no. 1: 65-71 '63.

CELLULOSE-DECOMPOSING BACTERIA see Bacteria, Cellulose-Decomposing

CELLULOSE ESTERS

Reaction of cellulose esters with plasticizers. V. I. Bukhgolter, V. I. Gribkova. Plast. massy no. 4:34-38 '63.

CELLULOSE ETHERS

Mechanism of oxidation of cellulose ethers by oxygen. Part 15: Effect of the chain length of the substituent in aliphatic cellulose ethers on their oxidation rate [with summary in English]. M. P. Koslov and others. Vysokom. soed. 5 no. 3:424-427 Mr '63.

CELSIAN

Celsian barium aluminosilicates (germanates) of variable composition $BaO \cdot (Al_2Ga_1)_{20} \cdot 2(Si_2Ge_1)_{10} \cdot 2R_2O$. G. G. Grebenshchikov. Izv. AN SSSR. Otd. khim. nauk no. 2:205-216 F '63.

CEMENT

(see also subdivision under Donets Basin)
Budnikov, P. P., and A. M. Cherepanov, eds. [Cement; collection of translations from foreign periodicals] TSement; sbornik perevodov iz inostrannoi periodicheskoi literatury. Moskva, Izd-vo inostr. lit-ry, 1962, 217 p.
Contraction (setting) of cement stone. G. D. Dibrov, M. S. Ostrikov, T. P. Petrenko. Dokl. AN SSSR 149 no. 3:648-651 Mr '63.
Production of cement during the complex treatment of nephelines. S. M. Roziak. Zhur. VKHO 8 no. 2:189-191 '63.
Prospects and economic expediency of using sodium triphosphate, sodium metasilicate and a peat reagent as slurry thinners in the cement industry. I. U. N. Ginzburg. Trudy Giprotsement no. 24:145-154 '62.
Solidification of uncalcined gypsum cement. R. I. Arav. Dokl. AN SSSR 148 no. 4:893-895 F '63.

CEMENT—PERMEABILITY

Relationship between the durability and permeability of cement stones. A. I. Leonidova, E. M. Solov'ev. Trudy MINKHGP no. 40:114-124 '63.

Studying the permeability of cement stones. A. I. Lipovetskii, V. S. Danilushvskii, Chizhao Pin-khuan [Chao Ping-huang]. Trudy MINKHGP no. 40:100-112 '63.

CEMENT—PRICES

Draft of a wholesale price list for cement. A. N. Lissov. TSement 29 no. 2:11-12 Mr-Apr '63.

CEMENT—STORAGE

Silos and conveyor galleries made of mesh-reinforced concrete. L. Braverman, G. Podgaetskii, G. Chumakov. Prom. stroi. i inzh. soor. 5 no. 2:33-38 Mr-Apr '63.

CEMENT—TESTING

Dilatometric study of the shrinkage and swelling of cement mortar during its setting and initial hardening. N. A. Popov, G. I. Gorchakov, I. I. Lifanov. Izv. vys. ucheb. zav. stroi. i arkhit. 6 no. 3:122-130 '63.
Effect of some factors on results of testing cements in autoclaves. L. S. Kogan, I. U. V. Nikiforov. Trudy Giprotsement no. 24:3-13 '62.
Effect of the microstructure of limestone on the petrographic nature of portland cement clinkers and the hardness of cement. S. A. Fataliev. Dokl. AN Azerb. SSR 19 no. 1:41-44 '63.
Fuelibility of raw cement mixes. L. A. Gol'dshteln. TSement 29 no. 2:6-8 Mr-Apr '63.

CEMENT—TRANSPORTATION

Operating indices of equipment for the pneumatic transportation of cement. V. I. A. Petruk. TSement 29 no. 2: 16-17 Mr-Apr '63.

CEMENT CLINKERS

New developments concerning the dissociation of cement carbonates. N. A. Toropov, I. G. Luginina. TSement 29 no. 2:4-6 Mr-Apr '63.
Study of the interrelationship of clinker components and refractories used with radioactive tracers. E. I. Morozov. Trudy Giprotsement no. 24:103-118 '62.

CEMENT CLINKERS—ANALYSIS

Analysis of the mineralogical composition of fused portland-cement clinkers. L. I. A. Gol'dshteln, I. A. Silva. Trudy Giprotsement no. 24:26-35 '62.

CEMENT CLINKERS—TESTING

Weight by volume of clinker of varying mineralogical composition. M. M. Sychev. Trudy Giprotsement no. 24:36-41 '62.

CEMENT INDUSTRIES

(see also subdivision under Volgograd; Volgograd Province)
Information; brief news. TSement 29 no. 2:24-3 of cover Mr-Apr '63.
We utilize the potentials of production. N. A. Olesov. TSement 29 no. 2:3-4 Mr-Apr '63.

CEMENT INDUSTRIES—BY-PRODUCTS see subdivision under Rostov

CEMENT INDUSTRIES—COSTS

Lower the cost of cement. TSement 29 no. 2:1-2 Mr-Apr '63.

CEMENT INDUSTRIES—EQUIPMENT AND SUPPLIES

Vorob'ev, Kh. S., and D. I. A. Mazurov. [Heat-engineering calculations for cement kilns and instruments] Teploekhnicheskie raschety tsementnykh pechei i apparatov. Moskva, Vysshaya shkola, 1962, 349 p.

CEMENT PLANTS

Breaking in an electrostatic filter for automatic shaft kilns. S. B. Perli, I. E. Edel'man, I. U. R. Ral'chik. TSement 29 no. 2:18-19 Mr-Apr '63.
Dust elimination from places where loose materials fall. V. S. Simkin. TSement 29 no. 2:10-11 Mr-Apr '63.
New method of correcting slurry. M. M. Smekhov, G. I. A. Koretskii. TSement 29 no. 2:14-15 Mr-Apr '63.
Technical layout for grinding raw materials. M. M. Sychev, M. A. Astakhova. TSement 29 no. 2:9-9 Mr-Apr '63.
Utilization of the dust recovered by electrostatic filters of rotary kilns. A. D. Ostrovskaya. TSement 29 no. 2: 13 Mr-Apr '63.

CEMENT PLANTS—EQUIPMENT AND SUPPLIES

From the pages of foreign periodicals. E. B. Kachanova. TSement 29 no. 2:23 Mr-Apr '63.
Jet washing of friction units. V. I. Tumchenok. TSement 29 no. 2:17 Mr-Apr '63.
Technical consultation. N. N. Iurganov, R. A. Volin. TSement 29 no. 2:22 Mr-Apr '63.

CEMENTITE

Electron diffraction study of the structure of cementite. A. L. Gardin. Kristallografia 7 no. 6:854-861 N-D '62.

CENTRAL ASIA see Asia, Central

CENTRAL ASIA, SOVIET see Soviet Central Asia

CENTRAL CHERNOZEM PRESERVE—RUNOFF

Surface runoff is the enemy of the fields. E. P. Chernyshev. Priroda 52 no. 3:128 '63.

CENTRAL CHERNOZEM REGION—COLLECTIVE FARMS

Sharova, P. N. [Collectivization of agriculture in the Central Chernozem Region, 1928-1932] Kollektivizatsia sel'skogo khoziaistva v Tsentral'no-chernozemnoi oblasti; 1928-1932 gg. Moskva, Izd-vo Akad. nauk SSSR, 1963, 285 p.

CENTRAL SIBERIAN PLATEAU—GEOLOGY, STRUCTURAL

Pre-Upper Paleozoic reefs and reef formers as indicators of the tectonic activity in the northwestern margin of the Central Siberian Plateau [with summary in English]. V. I. Dragunov, V. E. Egorov, L. F. Shtein. Geol. i geofiz. no. 1:72-84 '63.

CENTRAL SIBERIAN PLATEAU—REEFS

Pre-Upper Paleozoic reefs and reef formers as indicators of the tectonic activity in the northwestern margin of the Central Siberian Plateau [with summary in English]. V. I. Dragunov, V. E. Egorov, L. F. Shtein. Geol. i geofiz. no. 1:72-84 '63.

CENTRIFUGAL CASTING

Manufacture of pouring troughs for centrifugal machines with water-cooled molds. S. D. Kamenshtein, V. F. Druzhinin. Lit. proizv. no. 4:40-41 Ap '63.

CENTRIFUGAL PUMPS

Accounting for pressure losses in a centrifugal pump due to the increase of viscosity in pumped liquid. I. M. Vershinin. Vest. mashinostr. 43 no. 4:15-19 Ap '63.

CENTRIFUGES

Modernization of the semiautomatic PN-1000 centrifuge. M. A. Ursov. Khar. prom. no. 1:40-42 Ja-Mr '63.
Tombaev, N. I. [Centrifuges for the food industry] TSentrifugi pishchevoi promyshlennosti. Moskva, Mashgiz, 1962, 222 p.

CEPHEIDS

Difference of phases of chromospheric and photospheric pulsations of short-period Cepheids. M. S. Frolov. Astron. tsir. no. 232:20-22 D '62.
Period-luminosity relation for short-period Cepheids. M. S. Frolov. Astron. tsir. no. 231:18-20 N '62.
Relationship between the shape of the light curve of Cepheids and their color and luminosity. I. U. N. Efremov. Astron. tsir. no. 232:17-20 D '62.

CERAMIC MATERIALS

Crystallochemistry and ceramics of aluminosilicates with small size cations. N. A. Toropov. Zhur. VKHO 8 no. 2:122-127 '63.
Metal-ceramic filters. B. F. Shibrayev, E. I. Pavlovskaya. Khim. prom. no. 3:232-235 Mr '63.

CERAMIC MATERIALS—THERMAL PROPERTIES

Modern concepts on the thermal stability of refractory ceramic materials and means for its increase. G. V. Kukolev, I. I. Nemets. Zhur. VKHO 8 no. 2:155-162 '63.

CERAMIC METALS

Fedorchenko, I. M. [Ceramic metal products in the national economy] Metallokeramicheski vyroby u narodnomu hospodarstvu. Kyiv, 1962, 39 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukraini'koi RSR, Seriya 7, no. 7)

CERAMIC METALS—METALLOGRAPHY

Mechanism of the failure of ceramic metal hard alloys. G. S. Kreimer, N. A. Alekseeva, M. R. Vakhovskaya. Fiz. met. i metalloved. 15 no. 3:428-434 Mr '63.

CERAMICS

Firing ceramic electrical engineering products without engers. I. V. Dakhno. Stek. i ker. 20 no. 3:37-38 Mr '63.
Glazing in the electrostatic field and single-process firing of ceramics. A. E. Rabinovich. Leh. prom. no. 1:35-39 Ja-Mr '63.
Hot pressing of ceramics of pure oxides. D. N. Polubolarinov, E. I. Shal'nov. Zhur. VKHO 8 no. 2:148-154 '63.
New principles of the thermal treatment of clays and obtaining products made of "glion." A. V. Nekhoroshev. Stroi. mat. 9 no. 3:5-7 Mr '63.
Theoretical principles of the synthesis of silals from slags. I. I. Kitaigorodskii. Zhur. VKHO 8 no. 2:192-197 '63.

CERAMICS—BIBLIOGRAPHY see Bibliography—Ceramics

CERAMICS—EQUIPMENT AND SUPPLIES

Automatic device for cutting off and counting blanks of porcelain or earthenware paste. A. I. Batalov. Stek. i ker. 20 no. 3:36-37 Mr '63.

CERATITIDAE, FOSSIL see subdivision under Armenia

CEREAL PRODUCTS—PACKAGING see subdivision under Germany, East

- CEREBRAL CORTEX**
Effect of prolonged transverse overloads of different magnitude on the bioelectric reactions of the cerebral cortex [with summary in English]. G. V. Izosimov, A. N. Razumeev. *Probl. kosm. biol.* 2:247-254 '62.
- CEREBRAL HEMORRHAGE** see Apoplexy
- CEREBROSPINAL FLUID**
Some data concerning the effect of sulfide mineral water on the brain blood vessels and the pressure of the cerebrospinal fluid. A. A. Kravchenko. *Trudy MONIKI* no. 5:142-159 '62.
- CEREBROVASCULAR DISEASE**
Acute circulatory disorders of the brain. L. S. Soskin. *Med. sestra* 21 no. 11:44-50 N '62.
Use of omefin, a new anticoagulant, in cerebrovascular diseases [with summary in English]. V. Spector. *Izv. AN Latv. SSR* no. 2:119-125 '63.
Vascular disorders of the brain in patients with myocardial infarction. V. D. Troshin. *Med. sestra* 21 no. 11:50-52 N '62.
- CERIUM—ANALYSIS**
On the luminescence determination of uranium, cerium, and niobium [with summary in English]. A. M. Ushakova. *Zhur. anal. khim.* 18 no. 1:79-81 Ja '63.
- CERIUM COMPOUNDS**
Synthesis and study of the properties of normal cerio-orthophosphates and cerioorthophosphate hydroxides. A. I. Ul'ianov, T. I. Kozakova. *Izv. AN SSSR, Otd. khim. nauk* no. 3:393-401 Mr '63.
- CEROLITE**
Results of an X-ray diffraction study of cerolites. I. U. S. D'akov. *Dokl. AN SSSR* 148 no. 4:909-911 F '63.
- CESIUM COMPOUNDS**
Plushchev, V. E., ed. [Cesium] Tsezil; sbornik statei. Moskva, Izd-vo inostr. lit-ry, 1963. 230 p.
- CEYLON—CHILDREN AS ARTISTS**
Children of Ceylon paint Ceylon. E. Solov'eva. *Nar. obr.* no. 4:96-97 Ap '63.
- CEYLON—ECONOMIC CONDITIONS**
Main problems of the economic development of Ceylon. O. Ul'rikh. *Mir. ekon. i mezhdunar. otn.* no. 2:118-121 '63.
- CEYLON—FOREIGN ECONOMIC RELATIONS—COMMUNIST COUNTRIES**
Economic cooperation of Ceylon with socialist countries [with English summary in appendix]. I. Popova. *Vnesh. torg.* 43 no. 3:2-10 '63.
- CEYLON—MARRIAGE CUSTOMS AND RITES**
Sinhalese wedding [with English summary in insert, p. 4]. Z. Matlushina. *Az. i Afr. seg.* no. 4:55 Ap '63.
- CHAIKOVSKII, P. I. IL'ICH, 1840-1893**
Chaikovskii, P. I. [Complete collected works] Poimoe sobranie sochinenii. Moskva, Muzgiz.
Vol. 7. [Literary works and correspondence] Literaturnye proizvedeniia i perepiska. Tom podgotovlen E. D. Gershovskim i I. G. Sokolinskoi. 1962. 643 p.
Daydyov, I. U. L. [Notes on P. I. Chaikovskii] Zapiski o P. I. Chaikovskom. Moskva, Gos. muzykal'noe izd-vo, 1962. 114 p.
(MIU)
"P. I. Chaikovskii in the reminiscences of his contemporaries." Reviewed by N. Tumanina. *Sov. muz.* 27 no. 4:136-138 Ap '63.
Solomskii, I. U. L. [P. Chaikovskii's "Swan lake"] "Lebedinoe ozero" P. Chaikovskogo. Leningrad, Muzgiz, 1962. 76 p. (Sokrovishcha Sovetskogo baletnogo teatra)
- CHAIN SAWS**
Searching optimal methods for moving chain saws of multiple-saw bucking units. G. K. Stupnev. *Trudy TSNIIE* no. 39:11-28 '62.
- CHAKOVSKII, ALEKSANDR**
"Light from a distant star"; a tale by Aleksandr Chakovskii. Reviewed by G. Mitin. *Znamia* 33 no. 2:217-220 F '63.
- CHALCOPYRITE** see subdivision under Gay region (Orenburg Province)
- CHAMBER MUSIC—HISTORY AND CRITICISM**
New chamber music works. V. Del'son. *Sov. muz.* 27 no. 4:91-92 Ap '63.
- CHAMBER ORCHESTRA** see subdivision under Moscow; Vilnius
- CHAMPAGNE (WINE)**
Changes occurring in the physicochemical characteristics of the wine during bulk champagne. A. A. Merzhanian. *Trudy KIPP* no. 22:95-104 '61.
Effect of ascorbic acid on champagne wine materials. A. S. Vecher, V. M. Loza. *Trudy KIPP* no. 22:151-161 '61.
Effect of ascorbic acid on the redox potential and quality of the wine in case of its champagne with the bottle method. A. S. Vecher, V. M. Loza. *Trudy KIPP* no. 22:159-160 '61.
- Factors of accumulation of combined carbon dioxide in champagne wine. A. A. Merzhanian. *Biokhim. vin.* no. 7:148-163 '63.
Investigation into the phenomena occurring on the surface of sparkling wines after the discontinuance of airtightness in the system wine - CO₂. A. A. Merzhanian. *Trudy KIPP* no. 22:61-87 '61.
Physical and microbiological processes in wine champagne on a continuous production line. N. G. Sarishvili, V. F. Semenov. *Khar. prom.* no. 1:23-28 Ja-Mr '63.
Products of the transformation of amino acids by yeasts and their effect on the quality of champagne. N. M. Sisakian and others. *Biokhim. vin.* no. 7:131-147 '63.
State of the system wine - CO₂ after discontinuance of airtightness. A. A. Merzhanian. *Trudy KIPP* no. 22:27-60 '61.
Studying some problems in the technology of champagne making with the bottle method. V. M. Loza. *Trudy KIPP* no. 22:111-127 '61.
Studying the process of yeast reproduction as applicable to the conditions of continuous champagne production. A. A. Merzhanian, L. A. Kibko, M. I. Kloner. *Trudy KIPP* no. 22:105-110 '61.
Using the bottle method for champagne making lysate wine materials. V. M. Loza. *Trudy KIPP* no. 22:128-138 '61.
- CHAPAEV, VASILII IVANOVICH, 1887-1919**
In a car with Chapaev. V. Kozlov. *Za rul.* 21 no. 2:10-11 F '63.
- CHARITES, MEDICAL**
One fact more; an open letter to Douglas Hamilton. V. Staroverov. *Mol. komm.* no. 7:56-57 Ji '62.
- CHARKOV REGION—GEOLOGY**
Geology of the southern slope of the Voronezh massif in the Charkov region. B. S. Vorob'ev and others. *Sov. geol.* 6 no. 4:120-133 Ap '63.
- CHARLEROI-BRUSSELS CANAL—LOCKS (HYDRAULIC ENGINEERING)**
Ship lifter on the Charleroi-Brussels Canal. A. Kazakov, L. Kazakova. *Rech. transp.* 22 no. 3:45-46 Mr '63.
- CHARVAK HYDROELECTRIC POWER STATION**
Equal to the Dnieper Hydroelectric Power Station. B. Snegov. *Uzbekiston* 21 no. 12:5 D '62.
- CHEBOKSARY—TEXTILE INDUSTRY**
Study, and teach others. A. Alekseev. *Sov. profsoyuzy* 19 no. 7:5 Ap '63.
- CHECHEN-INGUSH A. S. S. R.—GRAIN—DISEASES AND PESTS**
The millet beetle *Pardius calceatus* Duft. A. K. Polotov. *Zashch. rast. ot vred. i bol.* 6 no. 6:44-45 Je '61.
- CHECHEN-INGUSH A. S. S. R.—GROUND BEETLES—EXTERMINATION**
The millet beetle *Pardius calceatus* Duft. A. K. Polotov. *Zashch. rast. ot vred. i bol.* 6 no. 6:44-45 Je '61.
- CHECHEN-INGUSH A. S. S. R.—PUBLIC PROSECUTORS**
Public prosecutors of the Chechen-Ingush A. S. S. R. should tighten their control of the examination of civil cases. D. Kichatov, I. U. Smirnov. *Sots. zakon.* 39 no. 7:72-74 Ji '62.
- CHECHEN-INGUSH A. S. S. R.—RADIOBROADCASTING**
Three years later. V. Komarov. *Sov. radio i tel.* 11 no. 11:15 N '62.
- CHECHEN-INGUSH A. S. S. R.—RELATIONS (GENERAL) WITH RUSSIA**
Gritsenko, N. P. [Sources of the friendship of the Chechen-Ingush people with the great Russian people] Istoki družby checheno-ingushskogo naroda s velikim russkim narodom. Groznyi, Checheno-Ingushskoe otdelenie Obshchestva po rasprostraneniю politicheskikh i nauchnykh znaniy RSFSR, 1962. 35 p.
(MH)
- CHECHEN-INGUSH A. S. S. R.—TOMBS**
Study of the medieval monuments in the highlands of Chechen-Ingush A. S. S. R. V. I. Markovin. *Krat. soob. Inst. arkheol.* no. 90:45-55 '62.
- CHECHEN-INGUSH A. S. S. R.—TOWERS**
Study of the medieval monuments in the highlands of Chechen-Ingush A. S. S. R. V. I. Markovin. *Krat. soob. Inst. arkheol.* no. 90:45-55 '62.
- CHEKANOVSKII, ALEKSANDR LAVRENT'EVICH, 1832-1870**
Chekanovskii, A. L. [A. L. Chekanovskii's unpublished materials and articles on his scientific work] Sbornik neopublikovannykh materialov A. L. Chekanovskogo. Stat'i o ego nauchnoi rabote. [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 363 p.
- CHEKHOV, ANTON PAVLOVICH, 1860-1904**
Chekhov Readings. A. P. Chudakov. *Nauch. dokl. vys. shkoly; filol. nauki* no. 1:200-202 '63.
Translations of Chekhov's works in England and the United States. A. L. Tove. *Nauch. dokl. vys. shkoly; filol. nauki* no. 1:144-151 '63.
- CHEKMAREV, SERGEI IVANOVICH, 1910-1933**
I know that I am desperately needed in the steppe. S. I. Cheva. *Mol. komm.* no. 11:97-104 N '62.
- CHELYABINSK—CHILDREN—CARE AND HYGIENE**
Medical care for adolescents in Chelyabinsk. I. M. Matovskii, V. V. Bulochnikova. *Zdrav. Res. Feder.* 6 no. 10:13-16 O '62.
- CHELYABINSK—HOSPITALS—INSPECTION**
Organization of public inspections in the Chelyabinsk therapeutic institutions providing medical care for industrial workers. I. M. Matovskii. *Zdrav. Res. Feder.* 7 no. 4:17-21 Ap '63.
- CHELYABINSK—INFLUENZA—CONGRESSES**
Second Scientific and Practical Conference on the study of the influenza epidemic in Chelyabinsk in 1962. I. M. Matovskii, L. A. Ebert, A. D. Brisker. *Vopr. virus. i no. 6:757-760 N-D '62.*
- CHELYABINSK—IRON AND STEEL PLANTS**
Chelyabinsk Metallurgical Plant is 20 years old. N. P. Viatkin. *Stal'* 23 no. 4:280-290 Ap '63.
- CHELYABINSK—LIBRARIES AND READERS**
Readers' conference in the Chelyabinsk Public Library. N. A. Vasil'eva. *Opyt, rab. bibliot. s. sh.* no. 5:14-16 '63.
- CHELYABINSK—METALLURGICAL RESEARCH**
Research at the Chelyabinsk Metallurgical Plant. V. V. Kels, A. I. Komlenov. *Stal'* 23 no. 4:303, 321-322, 330, 336-337, 363, 364, 366, 368 Ap '63.
- CHELYABINSK—PIPE MILLS—ELECTRIC EQUIPMENT**
Large diameter. A. Grigor'ev. *Ogonok* 41 no. 16:12-13 Mr '63.
- CHELYABINSK—ROLLING MILLS**
Annealing of rolled shapes at the Chelyabinsk Metallurgical Plant. A. I. Komlenov, A. A. Khudob'nikh. *Stal'* 23 no. 4:302-363 Ap '63.
- CHELYABINSK—SHOE INDUSTRY**
Chelyabinsk shoe store. V. Satin. *Sov. torg.* 38 no. 18-20 F '63.
- CHELYABINSK—SINTERING**
Sinter production at the Chelyabinsk Metallurgical Plant. E. P. Lyskov, V. V. Ivanov, A. K. Shaposhnikov. *Stal'* 23 no. 4:291-293 Ap '63.
- CHELYABINSK—TRACTOR INDUSTRY**
Carrying out the plan of technical development. I. A. Pashman. *Mashinostroitel'* no. 3:2-3 Mr '63.
- CHELYABINSK—TRANSPORTATION, AUTOMOTIVE**
Improving the qualifications of automotive transportation workers. M. L'vin, E. Trishnevskii. *Avi. transp.* 41 no. 3:51 Mr '63.
- CHELYABINSK BASIN—FANS, ELECTRIC—TESTING**
Some results of testing main mine fans. A. I. Borokhov, V. V. Gusev. *Ugol'* 38 no. 4:55-60 Ap '63.
- CHELYABINSK BASIN—PALEOBOTANY, STRATIGRAPHY**
Floristic complexes in Mesozoic coal-bearing sediments of the Chelyabinsk Basin. A. I. Kirichkova. *Trudy VNIIGRI* no. 108. Paleont. sbor. no. 3:471-491 '62.
- CHELYABINSK PROVINCE—COLLECTIVE FARMING—INCOME DISTRIBUTION**
Monetary wages are an important lever for improving collective farm work. N. Sychev. *Ekon. mel'khoz.* 31 no. 3:70-73 Mr '63.
- CHEMICAL AFFINITY—CONGRESSES**
Conference devoted to the discussion of the concept of electronegativity. V. P. Zvolinskii. *Zhur. V KHO* 6 no. 2:223-224 '63.
- CHEMICAL APPARATUS**
Apparatus for experiments with chlorine. A. I. Kharkov. *Khim. v shkole* 18 no. 2:64-67 Mr-Ap '63.
Apparatus for the demonstration of the electric conductivity of substances. E. N. Ovchinnikov. *Khim. v shkole* 18 no. 1:60-67 Ja-F '63.
Dolgin, N. P. [Units for heating chemical apparatus by means of high-temperature organic media] Ustanoivki dlia nagreva khimicheskoi apparatury vysokotemperaturnymi organicheskimi toplivostoiimami. Moskva, Mashiz, 1963. 290 p.
Editor's mail. N. Z. Tsiat and others. *Khim. v shkole* 18 no. 1:81-83 Ja-F '63.
New variety test tube with an electric heater. F. V. Kolesnik. *Khim. v shkole* 18 no. 1:63-64 Ja-F '63.
- CHEMICAL BONDS**
Bond energies of interaction between organogens and the surface of oxide catalysts. A. A. Balandin, A. A. Tolstopiatova, V. A. Naumov. *Dokl. AN SSSR* 148 no. 4:825-828 F '63.
Kinetic method used in the determination of bond energies of the reacting atoms of organic molecules having a blue molybdenum oxide surface. A. A. Tolstopiatova, A. A. Balandin, V. A. Naumov. *Izv. AN SSSR, Otd. khim. nauk* no. 3:423-429 Mr '63.

CHEMICAL ELEMENTS

Bond energies of interaction between organogens and the surface of oxide catalysts. A. A. Balandin, A. A. Tolstopiatova, V. A. Naumov. Dokl. AN SSSR 148 no. 4: 825-828 F '63.

CHEMICAL ENGINEERING

New features in chemical science and technology. Khim. v shkole 18 no. 2:84-85 Mr-Apr '63.

CHEMICAL ENGINEERING—CONGRESSES

First International Conference on Chemical Engineering Techniques, Chemical Machine Manufacture, and Automatic Control. B. I. Medovar. Avtom. svar. 18 no. 2: 91-94 F '63.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES

[Chemical and refrigeration machinery manufacture] Ref. zhur.: Khim. i khim. mashinostr. no. 5 My '63.

Hydrodynamics of rotary plate apparatus. V. V. Kafarov, A. A. Aleksandrovskii. Khim. mashinostr. no. 2:10-14 Mr-Apr '63.

Ivanov, E. A., A. V. Shepelev, and E. V. Lialin. [Pipelines in the chemical industry] Truboprovody v khimicheskoi promyshlennosti. Moskva, Mashgiz, 1963, 427 p.

New machines, apparatus, instruments. Khim. mashinostr. no. 2:44-46 Mr-Apr '63.

[Pipelines in the chemical industry] Truboprovody v khimicheskoi promyshlennosti. [By] E. A. Ivanov, A. V. Shepelev, E. V. Lialin. Moskva, Mashgiz, 1963, 427 p.

Study of the carrying capacity of thick-walled cylinders taking the effect of the structure of metal into account. V. A. Freitag. Khim. mashinostr. no. 2:20-27 Mr-Apr '63.

Welding of corrosion resistant metals and alloys in chemical machinery manufacture. V. A. Toropov. Avtom. svar. 16 no. 4:12-18 Ap '63.

CHEMICAL ENGINEERING—EQUIPMENT AND SUPPLIES—BIBLIOGRAPHY see Bibliography—Chemical engineering—Equipment and supplies

CHEMICAL ENGINEERING—STUDY AND TEACHING

Chemical technology in secondary school chemistry courses in connection with the present status and development of the chemical industry. D. A. Epshtein. Izv. APN no. 122:46-58 '62.

CHEMICAL EQUATIONS

Method for the combined calculation of physicochemical properties. M. Kh. Karpetskiy, Chen Guang-lue [Ch'eng Kuang-yueh]. Khim. prom. no. 3:102-201 Mr '63.

CHEMICAL EQUILIBRIUM

Methods of studying chemical equilibrium. E. N. Fedorova. Izv. APN no. 122:92-117 '62.

CHEMICAL INDUSTRIES

(see subdivision under Armenia; Leningrad; Moscow Province; Ukraine; United States; Uzbekistan)

Vanguard branch of the economy. M. Umov. Mir. ekon. i mezhdunar. otn. no. 4:76-86 '63.

CHEMICAL INDUSTRIES—BIBLIOGRAPHY see Bibliography—Chemical industries

CHEMICAL INDUSTRIES—ELECTRIC EQUIPMENT

Requirements of large-scale chemical industry from explosionproof electric motors. I. I. Rakovich. Prom. energ. 17 no. 8:28-31 Ag '62.

CHEMICAL INDUSTRIES—EQUIPMENT AND SUPPLIES

Normalization of standard units of chemical machinery. B. A. Ershov. Standartizatsia 27 no. 2:8-11 F '63.

CHEMICAL INDUSTRIES—HYGIENIC ASPECTS

List of industrial hygiene norms and rules approved by the Central Committee Presidium of the Trade Union of Petroleum and Chemical Industry Workers. Okhr. truda i sots. strakh. no. 4:40-43 Ap '63.

CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS see subdivision under Donetsk

CHEMICAL LABORATORIES—EQUIPMENT AND SUPPLIES

Development and improvement of equipment and visual aids for a secondary school chemistry course. I. I. Balashev. Khim. v shkole 18 no. 1:59-61 Ja-F '63.

CHEMICAL PLANTS see subdivision under Berezniki

CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Engel's, Saratov Province; Krasnoyarsk; Nizhny Tagil; Novokuybyshevsk)

Finish everything for chemistry ahead of schedule. Na stroit. Ros. 4 no. 4:1 Ap '63.

Largest in Europe. V. Selunina. Na stroit. Ros. 4 no. 4:2 of cover Ap '63.

CHEMICAL REACTION, RATE OF

Determination of the rate constants of disintegration of initiators and of the efficiency of initiation. Z. I. Kuznetsov and others. Izv. AN SSSR. Otd. khim. nauk no. 2:253-257 F '63.

Intensification of some processes in the chemical industry by means of vibration. S. Bratsznjder, M. Jaszczak, W. Pasiek. Khim. prom. no. 3:211-217 Mr '63.

Kinetics and hydrolysis mechanism of carboxyl dichlorides. Report No. 1: Reaction rate as dependent on the polarity of the medium. S. G. Entelis and others. Izv. AN SSSR. Otd. khim. nauk no. 2:245-252 F '63.

Some kinetic properties of the reaction of aromatic diamines with 1,6-hexamethylene diisocyanate. O. Ia. Fedotova, N. I. Skripchenko, I. P. Losev. Zhur. VKHO 8 no. 2:230-231 '63.

CHEMICAL REACTIONS

Advances in the area of reactions in crystalline bodies. V. P. Barzakovskii, A. D. Volkov. Zhur. VKHO 8 no. 2: 128-134 '63.

Gragerov, I. P. [Isotopes in the study of chemical reactions] Izotopy izuchaiut khimicheskie reaktsii. Kiev, Izd-vo Akad. nauk USSR, 1963, 45 p.

Participation of adenosinetriphosphoric acid in transport reactions of glycosyl groups. A. N. Petrova. Dokl. AN SSSR 148 no. 4:949-951 F '63.

Stability of solutions in the stationary theory of thermal explosions. A. G. Istratov, V. B. Librovich. Prikl. mat. i mekh. 27 no. 2:343-347 Mr-Apr '63.

Students' assimilation of the chemical reaction concepts. T. Z. Savich. Izv. APN no. 122:137-153 '62.

System of chemical reaction concepts. T. Z. Savich. Izv. APN no. 122:118-136 '62.

CHEMICAL REACTORS

Modernization of a reactor with a heating arrangement. V. V. Bul'. Khim. mashinostr. no. 2:37-38 Mr-Apr '63.

CHEMICAL REDUCTION see Reduction, Chemical

CHEMICAL SOCIETIES

Accelerating the development and introduction of new methods into industry is the main objective of the D. I. Mendeleev All-Union Chemical Society. D. L. Margolin. Zhur. VKHO 8 no. 1:105-109 '63.

Activity of the section for industrial safety of the Central Administration of the D. I. Mendeleev All-Union Chemical Society. E. M. Spektor, B. L. Kaner. Zhur. VKHO 8 no. 1:110-111 '63.

CHEMICAL STRUCTURE

Effect of low molecular weight substances sorbed by supermolecular structures on the mechanical properties of rigid-chain polymers. P. V. Kozlov, V. G. Timofeeva, V. A. Kargin. Dokl. AN SSSR 148 no. 4:886-889 F '63.

Structure and dual reactivity of N-ethyleniminocarbinoles. R. G. Kostianovskii, V. F. Byatov. Dokl. AN SSSR 148 no. 4:839-842 F '63.

CHEMICAL TESTS AND REAGENTS

Certain problems in the theory of analytical color reactions with organic reagents. Report No. 4: Oxidation reaction of octamethyltetraminetetraphenylethylene [with summary in English]. A. I. Cherkasov. Zhur. anal. khim. 18 no. 1:24-28 Ja '63.

Efficiency of porous electrodes under diffusion conditions of reagent supply [with summary in English]. I. G. Gurevich, V. S. Bagotskii. Inzh.-fiz. zhur. 6 no. 3:60-69 Mr '63.

Using phenolic acids of wood tar pitch as raw material for obtaining viscosity reducers. D. V. Tishchenko, A. N. Kisil'tayn, O. S. Zagarmistr. Sbor. trud. TSNILKHI no. 14:46-52 '61.

CHEMICAL TESTS AND REAGENTS—SPECTRA

Comparative study of absorption spectra of zirconium complexes and ionic forms of reagents [with summary in English]. A. K. Babko, V. T. Vasilenko. Zhur. anal. khim. 18 no. 1:71-78 Ja '63.

CHEMISTRY

"Chemical laboratory of M. V. Lomonosov" by N. M. Rasikin. Reviewed by D. V. Zheltukhin. Khim. v shkole 18 no. 2:90 Mr-Apr '63.

CHEMISTRY—AUDIO-VISUAL AIDS

Shortcomings in the preparation of homemade audio-visual aids. M. V. Fedakina. Khim. v shkole 18 no. 1: 56-59 Ja-F '63.

Use of motion pictures in acquainting students with allotropic modifications of carbon. N. I. Avdunin. Khim. v shkole 18 no. 2:41-45 Mr-Apr '63.

CHEMISTRY—BIBLIOGRAPHY see Bibliography—Chemistry

CHEMISTRY—EXPERIMENTS

"Aid for chemistry teachers." Reviewed by I. T. Syroezhkin. Khim. v shkole 18 no. 1:89 Ja-F '63.

Demonstrating the movement of ions (from "Chemie in der Schule," no. 7, 1962). M. N. Konukhov, V. S. Polosin. Khim. v shkole 18 no. 2:78-80 Mr-Apr '63.

Editor's mail. N. Z. Tsiat and others. Khim. v shkole 18 no. 1:81-83 Ja-F '63.

Editor's mail. V. S. Bogomolov and others. Khim. v shkole 18 no. 2:82-85 Mr-Apr '63.

Illustrating the processes taking place in a blast furnace. A. Bogucki. Khim. v shkole 18 no. 1:79 Ja-F '63.

Laboratory experiment of preparing ethyl acetate. S. V. Troitskii. Khim. v shkole 18 no. 1:65-67 Ja-F '63.

New variety test tube with an electric heater. F. V. Kolesnik. Khim. v shkole 18 no. 1:63-64 Ja-F '63.

Small-size installation for demonstrating the spinning of polymers. S. M. Petukhov, I. V. Plakarev. Khim. v shkole 18 no. 1:75-78 Ja-F '63.

Synthesis of ammonia and its salts in a eudiometer. V. I. Mikhailov. Khim. v shkole 18 no. 1:62 Ja-F '63.

CHEMISTRY—EXAMINATIONS, QUESTIONS, ETC.

Conducting a school Olympiad on the topic "Do you know the origin of the names of chemical elements?" I. A. Cherniak. Khim. v shkole 18 no. 1:70-72 Ja-F '63.

CHEMISTRY—JUVENILE LITERATURE

"Entertaining chemistry" by V. I. Levashov. Reviewed by I. G. Filatov. Khim. v shkole 18 no. 1:87-88 Ja-F '63.

Requirements of the popular science literature on chemistry. Iu. V. Khodakov. Izv. APN no. 122: 327-340 '62.

CHEMISTRY—PROBLEMS, EXERCISES, ETC.

Experimental problems on the topic "D. I. Mendeleev's periodic law and periodic system of elements. Structure of matter." A. S. Moskalenko. Khim. v shkole 18 no. 2:51-55 Mr-Apr '63.

Gramm equivalents and the problems on the normal concentration of solutions. V. P. Bol'shukhin. Khim. v shkole 18 no. 2:36-41 Mr-Apr '63.

Methods of solving calculation problems in a school chemistry course. V. G. Ageev. Khim. v shkole 18 no. 1:52-55 Ja-F '63.

Using the table of D. Pota for the solution of chemistry problems. B. V. Ivanova. Khim. v shkole 18 no. 2: 55-57 Mr-Apr '63.

CHEMISTRY—STUDY AND TEACHING

(see also subdivision under Bulgaria; Kostroma Province; United States)

Causes of typical errors in chemistry made by secondary school students. E. N. Fedorova, V. V. Shil'ing. Khim. v shkole 18 no. 2:36-35 Mr-Apr '63.

Chemistry teachers about their work. Book review. Khim. v shkole 18 no. 2:88-89 Mr-Apr '63.

Conference on theory and practice of the Lipetsk Province chemistry teachers. P. P. Sokolov. Khim. v shkole 18 no. 2:95-98 Mr-Apr '63.

Connection between a chemistry course and a social science course. Khim. v shkole 18 no. 1:3-7 '63.

Connection between the teaching of chemistry and the textile industry. L. K. Stolevich. Khim. v shkole 18 no. 2:20-23 Mr-Apr '63.

Development of students' interests during the study of chemistry. Iu. V. Khodakov. Izv. APN no. 122:299-326 '62.

Development of the students' knowledge of chemistry. V. I. Rostovtseva. Izv. APN no. 122:59-91 '62.

Elementary teaching of chemical "language." A. M. Tiurina. Izv. APN no. 122:154-171 '62.

"Entertaining chemistry" by I. I. Zalkovskii. Reviewed by E. I. Danchenko. Khim. v shkole 18 no. 2:86-88 Mr-Apr '63.

Forming the concepts of the structure of matter during the elementary study of chemistry. Iu. V. Khodakov, T. M. Drizovskaya. Izv. APN no. 122:172-193 '62.

Future chemists. I. Levandovskii. Nar. obr. no. 4:76 Ap '63.

Heuristic talk in chemistry classes. V. I. Goramykin. Khim. v shkole 18 no. 1:28-33 Ja-F '63.

Methods of studying chemical equilibrium. E. N. Fedorova. Izv. APN no. 122:92-117 '62.

New examination question cards chosen by lot in a chemistry course. T. A. Iashkina. Khim. v shkole 18 no. 1:24-28 Ja-F '63.

Principle of the use of local materials in teaching chemistry (based on the materials of the schools of Kramodars Territory). D. N. Osogostok. Khim. v shkole 18 no. 1:34-40 Ja-F '63.

Seventh-grade student's knowledge of chemistry. E. P. Kleshcheva. Izv. APN no. 122:194-214 '62.

Students' assimilation of the chemical reaction concepts. T. Z. Savich. Izv. APN no. 122:137-153 '62.

System of chemical reaction concepts. T. Z. Savich. Izv. APN no. 122:118-136 '62.

Technical creativeness in chemistry as a means of student training. K. G. Kolosova, M. S. Mostoslavskii. Khim. v shkole 18 no. 2:46-50 Mr-Apr '63.

Work of the chemistry study room of the Kostroma Institute for Teacher Improvement. A. I. Krasavina. Khim. v shkole 18 no. 2:15-20 Mr-Apr '63.

CHEMISTRY, ANALYTICAL

Advances in the use of reagents of the group arsenazo-thoron in analytical chemistry. S. B. Savvin. Usp. khim. 32 no. 2:195-219 F '63.

More consideration to be given to the chemical-analytical control of the production of plastics. A. P. Kreshkov. Plast. massy no. 4:1-3 '63.

- CHEMISTRY, ANALYTICAL—QUALITATIVE**
Barkov, S. A., and N. M. Ronzhina. [Qualitative analysis; the semimicro method] *Kachestvennyi analiz; polumikrometod*, 1zd. 2., dop. Moskva, Vysshaya shkola, 1962, 267 p.
- CHEMISTRY, ANALYTICAL—QUANTITATIVE**
Quantitative analysis of synthetic heterochain fibers. IU. A. Voitelev, N. D. Katorzhnov. *Tekst. prom.* 23 no. 3:72-80 Mr '63.
- CHEMISTRY, ORGANIC**
News of science and technology. *Zhur. VKHO* 8 no. 2: 212-216 '63.
- CHEMISTRY, ORGANIC—STUDY AND TEACHING**
Contents and structure of the organic chemistry course in secondary schools. L. A. Tsvetkov. *Izv. APN* no. 122: 5-45 '62.
- CHEMISTRY, ORGANIC—SYNTHESIS**
Kinetics of anodic and chemical reactions in Kolbe electrolysis. M. I. A. Fiodin, IU. B. Vasil'ev. *Izv. AN SSSR, Old. khim. nauk* no. 3:437-448 Mr '63.
- CHEMISTRY, PHYSICAL—PROBLEMS, EXERCISES, ETC.**
Makolkina, I. A., and B. A. Shmelev. [Collection of examples and problems in physical and colloid chemistry] *Sbornik primerov i zadach po fizicheskoi i kolloidnoi khimii*. [Moskva] Rosvuzizdat, 1963, 181 p.
Ponomareva, K. S. [Collection of problems in physical chemistry] *Sbornik zadach po fizicheskoi khimii*. Moskva, Metallurgizdat, 1962, 231 p.
- CHEMISTRY, PHYSICAL AND THEORETICAL—PROBLEMS EXERCISES, ETC.**
Mokrushin, S. G. [Problems in the physical chemistry of colloid-disperse systems and surface phenomena] *Zadachi po fiziko-khimii kolloidnospersnykh sistem i poverkhnostnykh yavlenii*. Sverdlovsk, Ural'skii politekh. in-t im. S. M. Kirova, No. 5, 1962, 54 p. [MICROFILM]
- CHEMISTRY, TECHNICAL**
Accelerating the development and introduction of new methods into industry is the main objective of the D. I. Mendeleev All-Union Chemical Society. D. L. Margolin. *Zhur. VKHO* 8 no. 1:105-109 '63.
News of science and technology. *Zhur. VKHO* 8 no. 2: 212-216 '63.
- CHEMISTRY, TECHNICAL—RESEARCH** see subdivision under Tambov
- CHEMOTHERAPY**
Hormone and drug therapy in rheumatic carditis [with summary in English]. T. I. Bibikova and others. *Vop. revm.* 1 no. 2:33-39 Ap-Je '61.
Results of antirheumatic drug treatment in preventing rheumatic relapses [with summary in English]. M. A. Iasinovskii. *Vop. revm.* 1 no. 2:55-61 Ap-Je '61.
- CHERENKOV RADIATION**
Theory of Vavilov-Cherenkov radiation in an isotropic optically active medium. B. M. Bolotovskii, O. S. Mergel'ian. *Opt. i spekt.* 14 no. 3:383-387 Mr '63.
Two possible methods for measuring the mean energy of a particle beam. V. P. Zrel'ov. *Prib. i tekhn. eksp.* 8 no. 2:29-33 Mr-Apr '63.
- CHEREPOVETS—COMMUNIST PARTY OF THE SOVIET UNION**
Local materials in the studies of the history of the CPSU. A. Blant. *Polit. samobor.* 7 no. 3:85-89 Mr '63.
- CHEREPOVETS—PENSIONS**
I am for such a seminar. A. Krasn'nikov. *Sots. obesp.* 24 no. 4:12 Ap '63.
- CHERKASSY PROVINCE—AGRICULTURAL ADMINISTRATION**
First steps of the party committees of agricultural administrations. A. Andreev. *Komm. Ukr.* 38 no. 3: 18-25 Mr '63.
- CHERKASSY PROVINCE—COOPERATIVE SOCIETIES**
New methods and new prospects. A. Bondarenko. *Koop. Kazakh.* 5 no. 11:35-38 N '62.
- CHERKASSY PROVINCE—SPINDLE-WHORLS**
Glass inlaid articles from Cherkassy Province. E. A. Symonovich. *Krat. soob. Inst. arkheol.* no. 90:69-72 '62.
- CHERKASSY PROVINCE—WHOLESALE TRADE**
New methods and new prospects. A. Bondarenko. *Koop. Kazakh.* 5 no. 11:35-38 N '62.
- CHERNIZOVO—HOUSING FOR PHYSICALLY HANDICAPPED**
The human heart is not of stone. IU. Kniazev, E. Denisov. *Sots. obesp.* 24 no. 4:33-35 Ap '63.
- CHERNIGOV PROVINCE—EDUCATION, PRESCHOOL**
Conference of preschool education workers of Chernigov Province. R. M. Iasnitskaya. *Doshk. vykh.* 24 no. 1:44-45 Ja '63.
- CHERNOBAY DISTRICT—LEGAL AID**
Achievements of a legal aid center. H. Pastovoirov. *Rad. pravo* no. 1:83-84 [Ja-F] '58.
- CHERNOISTOCHINSK—HOUSING FOR PHYSICALLY HANDICAPPED**
Our achievements and our difficulties. IA. Krenkel'. *Sots. obesp.* 24 no. 3:40-41 Mr '63.
- CHERNOVITSY—HOSIERY, NYLON**
Improving the quality of nylon hosiery. IA. Kh. Shtivel'man. *Tekst. prom.* 23 no. 3:54 Mr '63.
- CHERNOVITSY PROVINCE** see Bukovina
- CHERNUKHA DISTRICT—BIRDS**
Changes in the ornithofauna of the forest section of the Pustyn' Biological Station of Gor'kii University. E. M. Vorontsov and others. *Ornitologiya* no. 4:117-121 '62.
- CHERNYAKHOV DISTRICT—AGRICULTURAL WORKERS**
Communism exalts the young. Nadezhda Khabchuk and others. *Mol. komm.* no. 11:16-19 N '62.
- CHERNYY OSTROV DISTRICT—LARCENY**
Light-blue envelope. A. Honcharenko. *Rad. pravo* no. 2: 43-45 Mr-Apr '63.
- CHERSKII, IVAN DEMENT'EVICH, 1845-1902**
Explorers of the unknown. G. Pomerantseva. *IUn. tekhn.* 7 no. 4:76-79 Ap '63.
- CHESS**
At the chessboard. A. Igilt'skii, E. Umnov. *IUn. tekhn.* 7 no. 2:74-75 F '63.
At the chessboard. M. Iudovich. *Obshchestv. pit.* no. 2: 63 F '63.
Chess. IA. Kamianski. *Belarus'* 20 no. 4:32 Ap '63.
Chess. V. Liubinskii. *Kul't. i zhizn'* 6 no. 11:40 '62.
Chess. V. Liubinskii. *Smena* 30 no. 23:22-23 D '62.
[Creative activity of Soviet chesswomen] *Tvorchesvo sovetskikh shakmatistok*. Moskva, Fizkul'tura i sport, 1963, 198 p.
Soluz sportivnykh obshchestv i organizatsii RSFSR. [Selected chess games of grand masters and masters of the R. S. F. S. R.] *Izbrannye partii grommeistatov i masterov RSFSR; sbornik pod obshchei red.* V. V. Smyslova. Moskva, Sovetskaya Rossiya, 1962, 110 p.
Sokol'skii, A. P. [Pawns in motion] *Peshki v dyzhenii*. Moskva, Fizkul'tura i sport, 1962, 63 p.
- CHESS—PROBLEMS**
Chess. A. Khavin. *Znaniia ia pratsia* no. 2:31 F '63.
Chess. V. Liubinskii. *Smena* 30 no. 11:32 Je '62.
Chess. V. Liubinskii. *Smena* 30 no. 9:22 My '63.
Kasparian, G. M. [A draw position] *Positsionnaya nichita*. Moskva, Izd-vo "Fizkul'tura i sport", 1962.
- CHESS—TOURNAMENTS**
(see also subdivision under Moscow)
Fifth round of the Chess Olympiad. O. Poliak. *Nauka i zhytla* 12 no. 2:63 F '63.
Koblenko, Aleksandra. [In the heat of chess battles; from the diary of an instructor] *Saha einu vyruili; no trenera dienasgramatas*. Riga, Latvijas Valsts izdevnieciba, 1963, 190 p. [In Latvian]
"Living chess." I. Birtcher. *Uzbekiston* 21 no. 6:24 My '62.
Our autumn tournament. V. Liubinskii. *Smena* 30 no. 18:30-31 S '62.
She is not timid. A. Buzalov, IA. Beridze. *Smena* 30 no. 17:24 S '62.
Who? Salo Flor. *Ogonek* 41 no. 13:27 Mr '63.
- CHEWING** see Mastication
- CHIATURA—MANGANESE MINES AND MINING**
On the path of communist labor. G. Bakradze. *Blok. agit. (Gruz.)* 19 no. 23:8-12 D '62.
- CHIATURA REGION—ORE DRESSING**
Putting into operation and adjustment of a new ore dressing plant of the "Chiataramarganets" Trust. K. P. Dzhenchvelashvili, K. I. Tishchenko, A. S. Shornikov. *Obog. rud* 7 no. 6:29-36 '62.
- CHICKEN POX**
Isolation and cultivation of chicken pox and herpes zoster viruses in a tissue culture [with summary in English]. E. B. Gurvich. *Vop. virus.* 7 no. 6:706-712 N-D '62.
- CHILD STUDY**
Age-conditioned approach to type characteristics [with summary in English]. V. E. Chudnovskii. *Vop. psikhol.* 9 no. 1:23-34 Ja-F '63.
Development of understanding the figurative meaning of fables by students; grades 2-5 [with summary in English]. V. T. Badudin. *Vop. psikhol.* 9 no. 1:51-61 Ja-F '63.
Experimental investigation of personality trends [with summary in English]. M. Z. Nelmark. *Vop. psikhol.* 9 no. 1:3-12 Ja-F '63.
- Imitation of Russian and some English vowels by 4 to 7-year-old children [with summary in English]. V. T. Alakrinskii. *Vop. psikhol.* 9 no. 1:90-98 Ja-F '63.
Pedagogics for small children. E. Radina. *Doshk. vykh.* 36 no. 2:27-32 F '63.
Psychology of inculcating neatness in the school work of primary school students [with summary in English]. K. M. Byrlyba. *Vop. psikhol.* 9 no. 2:125-140 Mr-Je '63.
Studying the organizational abilities of students [with summary in English]. L. I. Umanukh. *Vop. psikhol.* 9 no. 1:13-22 Ja-F '63.
Way of studying and developing personal relations with a school class [with summary in English]. IA. L. Kolominukii. *Vop. psikhol.* 9 no. 2:101-103 Mr-Apr '63.
Will of a first grader [with summary in English]. Sh. S. Chkhartishvili. *Vop. psikhol.* 9 no. 2:109-116 Mr-Je '63.
- CHILDREN**
About Mashen'ka. A. Braude. *Doshk. vosp.* 36 no. 2: 76-79 F '63.
Buton. Kh. Akhtanzian. *Doshk. vosp.* 36 no. 3:83 Mr '63.
[To meet the sun; materials on a trip made by children of our compatriots to the Crimea and White Russia in the summer of 1961] *Solntsu navstrochu; sbornik materialov o poezdke detei nashikh sotschestvennikov v Krym i Belorussiiu letom 1961 goda*. [Berlin] Komitet za vozvrashchenie na Rodinu i razvitiie kul'turnykh aviazoi s sotschestvennikami, 1961, 55 p. (NIC)
- CHILDREN—CARE AND HYGIENE**
(see also subdivision under Chelyabinsk; Kailin; Leningrad)
Hardening by water. E. Zabludovskaya. *Doshk. vosp.* 36 no. 3:84-87 Mr '63.
Little ruses for little people. *Izobr. i rats.* no. 3:31-32 '63.
Results of prophylactic care of children under rural conditions. M. A. Gagnova. *Med. sestra* 21 no. 10: 18-21 O '62.
Usov, I. N. [How to prevent and treat the weakening of a child; advice to parents] *Kak produpredit' i lechit' oslablenie rebenka; sovety roditeliam*. Minsk, Gosizdat BSSR, 1963, 109 p. (DNLM)
- CHILDREN—DISEASES**
(see also subdivision under Leningrad; Smolensk Province)
Basic problems in the control of tuberculosis in children. A. I. Lapina. *Pediatritia* 41 [i.e. 42] no. 2:35-41 F '63.
Clinical epidemiological observations on an outbreak of Bornholm disease (epidemic pleurodynia) in children. G. G. Stuka, Z. M. Zemlakova, I. R. Malofienko. *Pediatritia* 41 [i.e. 42] no. 2:49-52 F '63.
Development of edematous syndrome in children with circulatory disorders during the active phase of rheumatic fever [with summary in English]. A. I. Morozov. *Pediatritia* 41 [i.e. 42] no. 2:74-79 F '63.
Differential approach to the diagnosis of mitral stenosis in children [with summary in English]. O. G. Solozhenina and others. *Sov. med.* 26 no. 1:85-99 Ja '63.
Dynamics of some biochemical indices of thiamine metabolism in children with tuberculosis [with summary in English]. G. G. Nazarenko. *Pediatritia* 41 [i.e. 42] no. 2:79-85 F '63.
Effectiveness of various methods of treatment for children with active rheumatic fever [with summary in English]. A. V. Dolgoplova, N. N. Kuz'mina, N. F. Baidina. *Vop. revm.* 1 no. 2:25-33 Ap-Je '61.
Function of the stomach and intermediary metabolism in children. S. I. Ignatov. *Pediatritia* 41 [i.e. 42] no. 2: 41-45 F '63.
Iunusova, Kh. A., N. S. Loginova, and O. S. Makhmudov. [Typhoid fever and paratyphoid fever in children] *Brishnoi tif i paratify u detei*. Tashkent, Medgiz, UzSSR, 1962, 169 p. (DNLM)
Mechanism of the disorders in capillary permeability in rheumatic fever in children [with summary in English]. T. P. Borisova. *Vop. revm.* 1 no. 2:61-69 Ap-Je '61.
Potapova, I. N. [Children need not be sick] *Deti ne dolzhny bol't'*. Moskva, Izd-vo "Znanie", 1963, 44 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no. 3)
Relapse of tuberculous meningitis in children treated with streptomycin [in Armenian with summary in Russian]. T. Kh. Akhundova. *Azerb. med. zhur.* no. 2: 21-27 F '62.
Rheumatic fever in infants and children of preschool age [with summary in English]. A. R. Abdullayev. *Pediatritia* 41 [i.e. 42] no. 2:80-83 F '63.
Subfebrile chronic tonsillitis simulating tuberculous intoxication [with summary in English]. P. Sh. Tsismatova. *Pediatritia* 41 [i.e. 42] no. 2:95-99 F '63.
Treatment of some childhood diseases in the health resort of Natlalan [in Armenian with summary in Russian]. T. G. Pashaev, E. M. Iagodzinskais. *Azerb. med. zhur.* no. 2:43-48 F '62.

CHILDREN - DISEASES (Continued)

Usay, I. N. [How to prevent and treat the weakening of a child; advice to parents] Kak predupredit' i lechit' oslablenie rebenka; sovety roditeliam. Minsk, Gosizdat BSSR, 1963. 100 p.
(DNLM)

CHILDREN—EMPLOYMENT

Childhood and youth in capitalist countries. A. D. Veisman. Shkola i prosv. 7 no. 4:87-89 Ap '63.

Legal problems concerning the job placement of young people and teenagers. A. Kovalenko. Rad. pravo no. 2: 38-93 Mr-Apr '63.

Underground work of children. I. Kiselev. Mol. komm. no. 7:84-92 Ji '62.

CHILDREN—HOSPITALS

Types of children's hospitals for noninfectious diseases. A. V. Roshchin. Zdrav. Ros. Feder. 6 no. 10:3-10 O '62.

CHILDREN—INSTITUTIONAL CARE see subdivision under Novgorod Province

CHILDREN—LANGUAGE

Gvozdev, A. N. [Training children in the grammatical structure of the Russian language] Formirovaniye u rebenka grammaticheskogo stroia russkogoazyka. Pod red. S. I. Abakumova. Moskva, Izd-vo pedagog. nauk, 1949. 2 v.
(MH)

Imitation of Russian and some English vowels by 4 to 7-year-old children [with summary in English]. V. V. Aliakrinskiy. Vop. psikh. 9 no. 1:80-88 Ja-F '63.

Influence of communication with older children on the speech of the younger groups. L. Pen'evskaya. Doshk. vosp. 36 no. 2:13-17 F '63.

Petrova, E. N. [Talks with children on language and books] Besedy s det'mi oazyke i knigakh. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 26 p.

CHILDREN—MANAGEMENT

Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut teorii i istorii pedagogiki. [Applying the "Educational program" to grade 5-11 students] Opyt primeneniya "Programmy vospitatel'noi raboty" s uchashchimisya V-XI klassov. Pod red. I. S. Mar'lenko. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 110 p. (Pedagogicheskoe chteniye)

Children from Ramenskaya Boarding School. G. Genov. Shkola-int. no. 2:70 Mr-Apr '63.

Detachment of children of various ages. N. Karasova. Shkola-int. no. 2:37-39 Mr-Apr '63.

Don't pass by. F. Belinskaya. Shkola-int. no. 1:25-27 Ja-F '63.

For a young mother. Doshk. vosp. 36 no. 3:82 Mr '63.

Let's find a way to everybody's heart. N. Erofeev. Shkola-int. no. 2:60-66 Mr-Apr '63.

On "keys" in educational work. Nach. shkola 31 no. 2: 95 F '63.

Power of trust. A. Kondratenkov. Shkola-int. no. 1: 8-13 Ja-F '63.

Training the "difficult." S. P. Kochetova, A. M. Boitinskaya. Nach. shkola 31 no. 3:27-34 Mr '63.

When you like your work. E. Blinskaya. Doshk. vosp. 36 no. 3:84-86 Mr '63.

Work and rest. I. A. Horau. Rab. i slal. 30 no. 4:10 Ap '63.

CHILDREN—NUTRITION

From the age of one to three. Rab. i slal. 30 no. 3:24 Mr '63.

Milk and milk products in the nutrition of children. T. Nevekskaya. Doshk. vosp. 36 no. 3:97-98 Mr '63.

Organization of pediatric nutrition in a village. V. A. Kiselev. Zdrav. Turk. 7 no. 2:33-34 F '63.

Organizing the feeding of children from 3 to 7 years of age. E. B. Ryskina. Med. sestra 21 no. 10:25-28 O '62.

Prevention of some children's diseases. Z. Porvatova. Shkola-int. no. 1:82-84 Ja-F '63.

CHILDREN—SLEEP

Healthy sleep of children. G. K. Blagoveshchenskii, M. I. Blagoveshchenskaya. Med. sestra 21 no. 10:28-32 O '62.

CHILDREN—SURGERY

(see also subdivision under Leningrad)

Dermatoplasty of burns in children [with summary in English in insert]. N. D. Kazantseva. Ortop., travm. i protez. 23 no. 11:35-40 N '62.

Homoplasty in the treatment of extensive deep burns in children [with summary in English in insert]. M. V. Volkov, R. L. Ginzburg. Ortop., travm. i protez. 23 no. 11:31-35 N '62.

Plastic surgery with Filatov's flap in restorative and reconstructive operations in children and juveniles [with summary in English in insert]. N. I. Butikova. Ortop., travm. i protez. 23 no. 11:40-47 N '62.

Surgical treatment of deep burns in children [with summary in English in insert]. A. N. Orlov. Ortop., travm. i protez. 23 no. 11:47-50 N '62.

CHILDREN AS ARTISTS

(see also subdivision under Ceylon; Italy)

Child's initiation to the world of beauty. Tat'iana Topilina. Sov. profsoyuzy 19 no. 7:32 Ap '63.

Nature of a child's artistic creativity. S. Levin. Iskusstvo 26 no. 12:46-50 '62.

"Pencils, fine fellows" by Mykola Shevchenko. Reviewed by IE. Kravchenko. Doshk. vykh. 24 no. 3:42 Mr '63.

Psychology of graphic activities and children's drawing. B. P. Usay. Vop. psikh. 9 no. 2:161-166 Mr-Apr '63.

CHILDREN AS MUSICIANS see subdivision under Molodechno District

CHILDREN'S CLUBS

(see also subdivision under Gorkiy)

Club of young astronauts. K. Cherevkov. Ogonek 41 no. 15:17 Ap '63.

Influence of clubs on the choice of occupation. A. Batuev. Shkola i prosv. 7 no. 4:63-64 Ap '63.

Planning the work of the children's section. K. Alekseev. Klub 12 no. 2:31-32 F '63.

CHILDREN'S LIBRARIES see Libraries, Children's

CHILDREN'S LITERATURE

Books in the younger group. R. Natapova. Doshk. vosp. 36 no. 3:29-30 Mr '63.

Children's books on antireligious topics. E. Ruchimskaya. Shkola-int. no. 1:93-94 Ja-F '63.

Children's literature and the "spirit of the times." M. Petrovskii. Doshk. vosp. 36 no. 2:98-105 F '63.

New books for preschool children. K. Aron. Doshk. vosp. 36 no. 3:99-104 Mr '63.

[On literature for children] O literature dlia detei. Leningrad, Detgiz. No. 7, 1962. 213 p.

Parents on children's literature. A. Nikitin, I. Lagovtsova, Z. Bocharova. Doshk. vosp. 36 no. 3:104-107 Mr '63.

Smirnova, V. V. [About children and for children] Odetiakh i dlia detei. Moskva, Detgiz, 1963. 380 p. (Dom detskoi knigi)

Thoughts on children's literature. V. Razova. Doshk. vosp. 36 no. 3:108-112 Mr '63.

CHILDREN'S MUSEUMS see subdivision under Kirovograd Province

CHILDREN'S PARTIES—EQUIPMENT AND SUPPLIES

Arutunov, S. T. [Technical means for arranging children's festivals] Tekhnicheskie sredstva oformleniya detskikh prazdnikov. Barnaul, Altai'skoe knizhnoe izd-vo, 1962. 79 p.

CHILDREN'S PLAYS

(see also subdivision under Moscow)

Little red devils from Havana. I. A. Brianskii. Nar. obr. no. 4:97-98 Ap '63.

Mikhailov, children, and theater. K. Shakh-Azizov. Teatr 24 no. 3:114-115 Mr '63.

CHILE—CONVEYING MACHINERY

Transporting ore on an automatic conveyor line (from "Mechanical Handling," no. 3, 1962). N. N. Ershov. Gor. zhur. no. 4:74-75 Ap '63.

CHILE—COPPER MINES AND MINING

With Chilean miners. I. Kruglyi. Nov. vrem. 20 no. 19: 26-28 My '63.

CHILE—SALESMEN AND SALESMANSHIP

Meditations. F. Tsvirko. Koop. Kazakh. 5 no. 11:13-14 N '62.

CHIMKENT—SOVIETS

"It isn't just a 'supplementary' position." Sov. deput. trud. no. 4:85 Ap '63.

CHIMKENT PROVINCE—SHEEP—FEEDING AND FEEDS

Economic efficiency of sheep growing in Chimkent Province. Sh. Mukhlisulin. Ekon. set'khoz. 34 no. 3:64-68 Mr '63.

CHIMKENT PROVINCE—WOMEN IN PUBLIC LIFE

We can set fire to the heaps of snow. S. Sarybaev. Sov. deput. trud. no. 4:69-71 Ap '63.

CHIMPANZEES

How a chimpanzee repelled a tiger. H. Ostrovskaya. Ukraina no. 7:32 Ap '63.

CHINA—FOREIGN RELATIONS—RUSSIA

"The Far East Republic and China; role of the Far East Republic in Soviet efforts to befriend China, 1920-1922" by M. A. Persits. Reviewed by L. A. Bereznyi. Vop. ist. 39 no. 4:111-113 Ap '63.

Kazanin, M. I. [Notes of a mission secretary; a page from the early history of Soviet diplomacy] Zapiska sekretaria missii stranichka istorii pervykh let sovetskoi diplomatii. Moskva, Izd-vo vostochnoi lit-ry, 1962. 167 p.
(DS)

CHINA—HISTORY—SOURCES

"The author of 'T'ai-p'ing ching,' his philosophy, and his relations with the 'Yellow Turbans' and the 'Heavenly Teacher'" [in Chinese] by Hsiung Tê-chi. Reviewed by V. A. Rubin. Vop. ist. 38 no. 4:189-190 Ap '63.

CHINA—LOANS, FOREIGN

"Loans as a tool used by capitalist powers to enslave China" by B. G. Boldyrev. Reviewed by V. Lavrov. Fin. SSSR 37 no. 3:89-92 Mr '63.

CHINA—MEDICINE, POPULAR

Chin, Hsin-Chung. [Chinese popular medicine] Kitaiskii narodnaya medicina; dopolnennaya stenogramma publichnoi lektsii, pročitannoi v Tsentral'nom lektorskom Obshchestve 20 noyabrya 1957 goda. Izd. 2. Pod red. V. G. Vogralka. Moskva, Izd-vo "Znanie," 1959. 62 p.
(DNLM)

CHINA—TEA

Biochemical characteristics of the Lungching tea leaf and tea. L. A. Shilpakova. Biokhim. chain. prosv. no. 9:53-55 '62.

Catechols in the wild tea plant. K. M. Dzhenukhadze, L. F. Milosheko, F. G. Nakhmedov. Biokhim. chain. prosv. no. 9:56-60 '62.

CHINA—TEXTILE INDUSTRY

Textile industry in China. E. N. Pekasheva. Tekst. prom. 23 no. 4:15-18 Ap '63.

CHINA—WHEAT

Geography of Chinese wheat. IU. P. Laptev. Priroda 52 no. 3:102-103 '63.

CHINA—CLAY see Kaolin

CHINACRIN see Quinaerine

CHINESE LANGUAGE—CONJUNCTIONS

Gorelov, V. I. [Conjunctions in the compound sentence in modern literary Chinese] Soluzi v slozhnom predlozhenii sovremennogo kitaiskogo literaturnogoazyka. Moskva, Izd-vo IMO, 1963. 211 p.

CHINESE LANGUAGE—GRAMMAR

Akademiya nauk SSSR. Institut narodov Azii. [Most questions of Chinese grammar] Spornye voprosy grammatiki kitaiskogoazyka. Moskva, Izd-vo vostochnoi lit-ry, 1963. 201 p.

CHINESE LANGUAGE—SYNTAX

Dependent clause in modern Chinese. M. K. Ruminantsev. Nauch. dokl. vys. shkoly; filol. nauki no. 1:126-134 '63.

Gorelov, V. I. [Conjunctions in the compound sentence in modern literary Chinese] Soluzi v slozhnom predlozhenii sovremennogo kitaiskogo literaturnogoazyka. Moskva, Izd-vo IMO, 1963. 211 p.

CHINGIZ—TAU—GRANITE—ANALYSIS

Prospecting significance of the halos of dispersion of rare metals in granite massifs of the Chingiz-Tau. A. N. Bugaeva, V. A. Narasov. Trudy SNIIGIMS no. 25:178-186 '62.

CHINGIZ—TAU—METALS, RARE AND MINOR

Prospecting significance of the halos of dispersion of rare metals in granite massifs of the Chingiz-Tau. A. N. Bugaeva, V. A. Narasov. Trudy SNIIGIMS no. 25:178-186 '62.

CHIRKEY HYDROELECTRIC POWER STATION—ROCKS—ELASTIC PROPERTIES

Determining dynamic moduli of elasticity in research for the Chirkey Hydroelectric Power Station. V. N. Nikitin, Z. G. Lashchenko. Gidr. stroi. 33 no. 4:37-39 Ap '63.

CHIR-YURT HYDROELECTRIC POWER STATION—DAMS

Construction of the dam of the Chir-Yurt Hydroelectric Power Station. N. I. Kirichenko. Gidr. stroi. 33 no. 4:17-18 Ap '63.

CHISTYAKOVO REGION—COAL MINES AND MINING

All workers' duty. K. P. Tolstol. Bezop. truda v prom. 6 no. 9:17-19 S '62.

CHITA—MACHINERY INDUSTRY

Honor and courage. E. Popov. Izobr. i rats. no. 3:5-6 '63.

CHITA PROVINCE—HUNTING (BIRDS)

Biology of yellow-breasted and pine buntings in Chita Province. A. P. Shkretulova. Ornitologiya no. 4:176-181 '62.

CHKALOV see Orenburg

CHKALOV PROVINCE see Orenburg Province

CHLORIDES

Druzhinin, I. G., Z. Bakasova, and S. A. Arbaev. [Reaction of saccharose with sodium, potassium, calcium, and magnesium] Vzaimodeliye sakharozy s khloridami natriia, kaliiia, kal'tsiia i magniia. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 146 p.

Solubility and solid phases in the system LiCl - NaCl - MgCl₂ - H₂O at 25 and 75°. I. N. Lepeshkov, N. N. Romashova. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:33-40 '62.

- CHLORINE** see subdivision under Daghestan
- CHLORINE—EXPERIMENTS**
Apparatus for experiments with chlorine. A. P. Khar'iu. Khim. v shkole 18 no. 2:64-67 Mr-Apr '63.
- CHLOROMYCETIN**
Treatment of typhoid fever with various doses of chloromycetin and syntomycin (continuous method). P. I. P'iankov. Sov. med. 26 no. 1:65-69 Ja '63.
- CHLOROPHOS**
Chlorophos for controlling the shield bug Eurygaster integriceps. M. F. Novoded. Zashch. rast. ot vred. i bol. 6 no. 6:31 Je '61.
Polychlorophene and chlorophos in controlling forest pests. D. F. Rudnev, N. E. Kononova. Zashch. rast. ot vred. i bol. 6 no. 6:35 Je '61.
Toxicity increase with the reduction of poison concentration. Report No. 2: Causes of the toxicity increase of technical chlorophos. N. A. Tamarina. Nauch. dokl. vys. shkoly; biol. nauki no. 2:12-16 '63.
- CHLOROPHYLL**
Adaptive reaction of the photosynthetic apparatus of plants to the decrease in light intensity. T. V. Lapina. Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:49-54 '58.
Chlorophyllide as an intermediate product in the transformation of protochlorophyllide into chlorophyll [with summary in English]. L. I. Vlasenok, A. A. Shlyk. Biokhimiia 28 no. 1:57-69 Ja-F '63.
Dynamics of chlorophyll a and b and the activity of chlorophyllase in apple trees of various winter hardiness. D. P. Protchenko, L. A. Silrenko. Visnyk Kyiv. un. no. 2. Ser. biol. no. 1:37-41 '59.
Effect of the conditions of root nutrition on the dynamics of chlorophyll in grapevine leaves. S. I. A. Mininberg. Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:45-48 '58.
- CHLOROPHYLL—SPECTRA**
Spectral distribution of the photoconductivity of chlorophyll as dependent on the thickness of the layer. A. T. Vartanian. Dokl. AN SSSR 149 no. 3:563-566 Mr '63.
- CHLOROPHYLL—THERAPEUTIC USE**
Use of naphthalan and a paste made from coniferous needles in treating wounds of soft tissues in irradiated animals. L. I. Abasculova, A. D. Kazarian. Azerb. med. zhur. no. 2:27-34 F '62.
- CHLOROSTANNATES**
Thermal stability of alkali metal and ammonium hexachlorostannates. I. S. Morozov, Li Chi-fa [Li Chi'fa]. Zhur. neorg. khim. 8 no. 3:651-654 Mr '63.
- CHLOROSULFONYLATION**
Sulfochlorination of the kerosene fractions of oils in the presence of initiators. E. S. Balakirev, A. I. Gershenovich, M. V. Korneeva. Khim. prom. no. 3:235-236 Mr '63.
- CHOICE (PSYCHOLOGY)**
Dependence of the selection time on the number of discriminative features [with summary in English]. L. B. Filonov. Vop. psikh. 8 no. 1:89-103 Ja-F '63.
- CHOLERA, ASIATIC—PREVENTION**
Heroic deed of professor Nikonov. Aleksandr L'in. Nauka i zhizn' 30 no. 1:50-58 Ja '63.
- CHOLESTEROL**
Change in the total blood cholesterol in hepatocholycystitis under the influence of subaqueous intestinal lavage with Bash-Istau mineral water. K. S. Sadykh-Zade. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:117-121 '59.
Hypercholesterolemia in elderly persons. I. L. Maksimova. Trudy Kish. gos. med. inst. 12:121-124 '60.
Study of serum protein fractions and protein-bound cholesterol in dogs and rabbits in experimental hypercholesterolemia [with summary in English]. V. A. Shchepin. Ukr. biokhim. zhur. 34 no. 5:688-693 '62.
- CHOLESTEROL METABOLISM**
Effect of ultraviolet irradiation and atropine on cholesterol metabolism [with summary in English]. L. K. Finagin. Ukr. biokhim. zhur. 34 no. 6:902-909 '62.
Lipid function of the liver in a case of stomach and duodenal ulcers. K. S. Tikhonov. Klin. khir. no. 5: 82 My '62.
- CHOLINE**
Excretion of substances possessing negatively inotropic properties by the muscular tissues of the heart. G. N. Kopylova, M. G. Udel'nov. Nauch. dokl. vys. shkoly; biol. nauki no. 2:82-87 '63.
- CHONG-AKSU VALLEY—RUNOFF**
Mudflows in the Chong-Aksu Valley. M. I. Iveronova. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 4:79-84 '62.
- CHONG-KYZYLSU BASIN—PRECIPITATION (METEOROLOGY)**
Distribution of precipitation in the Chong-Kyzylsu Basin. V. I. Mikhailova. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:91-99 '62.
- CHONG-KYZYLSU RIVER—HYDROLOGY**
Study on the hydrology of the Chong-Kyzylsu River. G. N. Golubev, I. D. Tsigel'naya. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 4:5-26 '62.
- CHORAL SOCIETIES** see subdivision under Magnitogorsk; Moscow;
- CHORAL SOCIETIES, AMERICAN**
American chorus. L. Ermakova. Sov. muz. 27 no. 2: 99-100 F '63.
- CHORAL SOCIETIES, LITHUANIAN**
Lithuanian Chorus. Georgii Polianovskii. Sov. muz. 27 no. 1:102 Ja '63.
- CHRISTIAN ETHICS**
Saints. I. Sine'nikov. Nauka i rel. 4 no. 2:61-65 F '63.
- CHRISTIAN NAMES** see Names, personal
- CHROMATES**
Certain variations in the phase composition of the reaction mass in the process of oxidative calcination of chromite charges. V. A. Riabin, I. A. E. Vili'ianskii, V. P. Pavlova. Dokl. AN SSSR 149 no. 3:652-655 Mr '63.
- CHROMATOGRAPHIC ANALYSIS**
Application of gas-liquid chromatography for the analysis of mixtures of esters of some aliphatic dibasic and cyclopentanecarboxylic acids. B. A. Rudenko, V. F. Kucherov. Izv. AN SSSR. Otd. khim. nauk no. 2:220-227 F '63.
Chromatographic analysis of a stock and of pyrolysis products in a flow. I. U. I. Arutunov and others. Khim. i tekhn. topl. i masel 8 no. 3:43-47 Mr '63.
Chromatographic analysis of volatile fatty acids in the rumen contents of ruminants [with summary in English]. M. I. Korobko, V. I. Uli'ko, V. M. Chertov. Ukr. biokhim. zhur. 34 no. 6:915-923 '62.
Chromatographic investigation of egg and serum albumins and chymotrypsinogen in columns with hydroxylapatite [with summary in English]. O. S. Tsyperovych, I. P. Halych. Ukr. biokhim. zhur. 34 no. 5:666-677 '62.
- CHROME-NICKEL STEEL—CORROSION**
Effect of the cold deformation of welded OKH18N0T steel pipe on its tendency toward intergranular corrosion. E. I. Chemadurova, G. N. Iakovleva. Avtom. svar. 10 no. 4:73-77 Ap '63.
- CHROME-NICKEL STEEL—METALLURGY**
Effect of tungsten, molybdenum, and vanadium on the recovery of chromium-nickel austenite. M. M. Shteinberg, V. K. Parafonov, N. K. Ovdina. Fiz. met. i metalloved. 15 no. 2:229-233 F '63.
- CHROMIUM ALLOYS—METALLOGRAPHY**
Investigating the effect of heat treatment and tensile strain at high temperatures on the microstructure of chromium-base alloys. Trudy Inst. met. no. 13:122-130 '63.
- CHROMIUM CHLORIDES**
New hydrate isomers of chromic chloride [Cr (H₂O)₃Cl₃]. 3H₂O. B. K. Preobrazhenskii, O. M. Litova. Zhur. neorg. khim. 8 no. 3:771-772 Mr '63.
- CHROMIUM COMPOUNDS**
Electrolytic reduction of chromium complex salts. A. V. Pamfilov, A. I. Lopushanskaya, I. A. Tsigar'. Ukr. khim. zhur. 29 no. 3:293-298 '63.
Polarography of oxalate complexes of chromium (III). A. V. Pamfilov, A. I. Lopushanskaya, T. S. Zueva. Ukr. khim. zhur. 29 no. 3:299-302 '63.
- CHROMIUM-IRON ALLOYS** see Iron-chromium alloys
- CHROMIUM ISOTOPES**
Study of the stripping reaction on chromium isotopes [with summary in English]. M. V. Pasechnik, P. G. Ivanitskii. Zhur. eksp. i teor. fiz. 44 no. 4:1120-1135 Ap '63.
- CHROMIUM-MANGANESE-IRON ALLOYS** see Iron-chromium-manganese alloys
- CHROMIUM-MOLYBDENUM ALLOYS**
Investigation of the system chromium - molybdenum by the thermal diffusion method. P. M. Arzhany, R. M. Volkova. Zhur. neorg. khim. 8 no. 3:697-699 Mr '63.
- CHROMIUM-NICKEL STEEL—METALLURGY**
Effect of rare-earth metals on the properties of chromium-nickel steel. I. A. E. Got'dshteyn and others. Stal' 23 no. 4:354-358 Ap '63.
- CHROMIUM OXIDES**
Preparation of chromium oxide by reducing alkaline chromate with sulfur dioxide. I. A. E. Vili'ianskii, L. A. Borovskikh, M. S. Kovell. Zhur. VKhO 8 no. 1:116-117 '63.
- CHROMIUM STEEL—MAGNETIC PROPERTIES**
Magnetic properties of hypereutectoid 9Kh2 steel. V. M. Morozova, M. N. Mikheev. Fiz. met. i metalloved. 15 no. 3:346-351 Mr '63.
- CHROMIUM STEEL—METALLURGY**
Improving the procedure for making 18KhNVA steel. D. G. Zhukov and others. Stal' 23 no. 4:329-333 '63.
- CHROMOSOME NUMBERS**
Effect of the factors of space flight in the Vostok-2 spaceship on haploid and diploid yeast organisms [summary in English]. N. V. Kovaleva, A. A. Likhacheva, G. P. Parfenov. Probl. kosm. biol. 3:143-151 '62.
- CHROMOSOMES**
Organization and functioning of a chromosome. A. Prokof'eva-Bel'govskaya. Vest. AMN SSSR 11 no. 12:60-62 '62.
Organization of chromosomes. A. A. Prokof'eva-Bel'govskaya, I. U. F. Bogdanov. Zhur. VKhO 8 no. 1:133 '63.
- CHROMOMETER**
Transistorized quartz clock. V. M. Ivakin. Izv. vuzov. fiz. 3:24-25 Mr '63.
- CHRYSENE**
Synthesis of trans-anti-trans-1-oxo- $\Delta^{10,11}$ -cholesta- hydrochrysene. V. I. Gunar, S. I. Zavit'atov. Izv. AN SSSR. Otd. khim. nauk no. 2:360-362 F '63.
- CHU-ILI MOUNTAINS—WEATHERING**
Evolution of the supergene zone in the Chu-ili Mountains. A. N. Fokin. Min. syr'e no. 4:60-74 '62.
- CHU VALLEY—IRRIGATION**
"Furrow irrigation of steep slopes in the Chu Valley." K. A. Zharova. Reviewed by N. H. Gorlunov, G. V. G. Pavlov. Gidrot. mel. 16 no. 3:50-57 Mr '63.
- CHUCKS**
Chuck key for heavy machine tools. M. Z. Yashinski. Mashinostroitel' no. 3:28 Mr '63.
Moscow. Vyslavka dostizhenii narodnogo inzhenerstva SSSR. [Advanced tools designed by inventors of the USSR]. Progressivnyi instrument novatorov proizvodstva Moskva.
No. 1. [Cutting tools, mandrels, chucks] Razrab. i izgot. opravl. patrony. 1002. 28 p.
No. 2. [Drills, reamers, cutters, heads, inserts and chucks] Sverla, razvertki, frazy, gubki, protashki i patrony. 1003. 29 p. [MICROFILM]
- CHUKCHI NATIONAL AREA—TIN ORES**
Genetic types of tin-tungsten mineralization in the Chukchi National Area and their commercial significance. S. F. Lugov. Sov. geol. 6 no. 4:81-84 Ap '63.
- CHUKCHI NATIONAL AREA—TUNGSTEN ORES**
Genetic types of tin-tungsten mineralization in the Chukchi National Area and their commercial significance. S. F. Lugov. Sov. geol. 6 no. 4:81-84 Ap '63.
- CHUKCHI NATIONAL AREA—WOMEN**
[Women of Soviet Chukchi] Zhenachiny Sovetskoi Chukotki; sbornik. [Magadan] Magadan: knizhnoe izd-vo, 1961. 60 p. (MII)
- CHUKHURYURD—CLIMATE**
Climatic characteristics of the health resort Chukhuryurd. Ch. Kh. Agueva. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:23-25 '59.
- CHUM SALMON**
(see also subdivision under Toplovo lake region)
Duration of the incubation period in the development of fall-spawning chum salmon eggs incubated on frames and in the ground. A. M. Kol'gaev. Izv. TINRO M.M. 209 '62.
- CHUMYSH VALLEY—EROSION**
Modern gully erosion on the territory of the Mys-Chumysh Upland. A. S. Krutkov. Izv. Vses. geog. obsh. 95 no. 1:77-79 Ja-F '63.
- CHURCH**
Religion and church abroad. Nauka i rel. 4 no. 2:37-41 F '63.
- CHURCH AND STATE**
The decree on freedom of conscience. IU, Rozentau. Nauka i rel. 4 no. 2:35-38 F '63.
- CHURCH ARCHITECTURE** see subdivision under Staraya Ladoga
- CHURCH ARCHITECTURE—DETAILS** see subdivision under Pskov
- CHURCH DECORATION AND ORNAMENT** see subdivision under Veliky Ustyug
- CHURCH LANDS**
Growth of the landed property of the Kirillo-Belozersky Monastery in the late 16th and in the 17th centuries. A. KhGorfunkel'. Ist. zap. 73:219-248 '63.

CHURCH SLAVIC LANGUAGE—DICTIONARIES—RUSSIAN

Old Slavic-Russian dictionaries. L. S. Kovtun. Uch. zap. LGU no. 287:36-54 '60.

CHURCH SLAVIC LANGUAGE—GRAMMAR

Letters to the editor. A. N. Savchenko and others. Nauch. dokl. vys. shkoly; filol. nauki no. 1:211-213 '63.

CHURCH WORK WITH YOUTH—CATHOLIC CHURCH

Conspiracy against young people. M. Andreov. Mol. komm. no. 7:98-102 JI '62.

CHUVASH LITERATURE—BIBLIOGRAPHY see Bibliography—Chuvash literature

CHUVASHIA—ECONOMIC CONDITIONS

Chuvash A. S. S. R. Vorkhovyul Sovet. [Jubilee session devoted to the 40th anniversary of the formation of the Chuvash A. S. S. R., June 25, 1960; a verbatim report] Iubileynaya sessiya, posviashchennaya 40-letii obrazovaniya Chuvashskoi ASSR, 25 iyunia 1960 goda; stenograficheskiy otchet. Cheboksary, Chuvashskoe gos. izd-vo, 1960. 79 p. (WU)

CHUVASHIA—OAK

Practices in growing oak forests in Chuvashia. P. T. Timofeev. Les. khoz. 16 no. 1:39-40 Ja '63.

CHUVASHIA—PLANTS, PROTECTION OF

Chuvash A. S. S. R. Ministerstvo proizvodstva i zagotovok sel'skokhozyaistvennykh produktov. Respublikanskaya stantsiya po zashchite rastenii. [Measures for protecting farm plants, fruit and berry plantations, and forests against pests and diseases in the Chuvash A. S. S. R. in 1962] Merooprilatia po zashchite sel'skokhozyaistvennykh rastenii, plodovo-lagodnykh nasazhdenii i lesov ot vreditel' i boleznei po Chuvashskoi ASSR na 1962 god. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1962. 74 p. (DNAL MICROFILM)

CHUVASHIA—PUBLIC HEALTH

In the Board of the Ministry of Public Health of the R. S. F. S. R. The state of public health in the Chuvash A. S. S. R. V. I. Pobereszhnykh. Zdrav. Ros. Feder. 7 no. 2:47 F '63.

CHUVASHIA—STANDARDIZATION

Seminar on standardization in Chuvashia. V. A. Sokolov, M. K. Tvorosov. Standartizatsia 27 no. 2:52-53 F '63.

CHUYA VALLEY—SCULPTURE, TURKIC

Early Turkic sculpture from the Chuya Valley. I. A. Sher. Sov. arkheol. 7 no. 2:239-242 '63.

CHUYSKIY DISTRICT—DEPARTMENT STORES

The collective farmers have built a department store. M. Servatskiy. Koop. Kazakh. 5 no. 12:43 D '62.

CHUYSKIY DISTRICT—FUR FARMING

From the editor's mail. A. Toktamysov and others. Koop. Kazakh. 5 no. 12:35-39 D '62.

CHYMOTRYPSIN

Polarographic wave and catalytic activity of chymotrypsin in the presence of a substrate, inhibitor, and DNA in the process of irradiation with ultraviolet light [with summary in English]. I. D. Ivanov, E. E. Rakhleova, V. G. Krylova. Ukr. biokhim. zhur. 34 no. 6: 653-662 '62.

CHYMOTRYPSINOGEN

Chromatographic investigation of egg and serum albumins and chymotrypsinogen in columns with hydroxylapatite [with summary in English]. O. S. Tsyperovych, I. P. Halych. Ukr. biokhim. zhur. 34 no. 5:666-677 '62.

CINNAMIC ACID

Use of cinnamic acid in analytical chemistry. Report 3: Separation of indium and gallium from manganese, nickel, cobalt, and zinc [with summary in English]. E. A. Ostroumov, L. I. Volkov. Zhur. anal. khim. 18 no. 1:52-57 Ja '63.

CIRCULAR SAWS

Studying sawing by circular disk saws with arresting devices. A. P. Polishchuk, K. A. Anufrienko. Trudy TSNIIME no. 39:29-43 '62. Thermal cutting of reinforced concrete with circular friction saws. P. I. Kovalevskii. Mekh. stroi. 20 no. 4:9-10 Ap '63.

CIRCUS see subdivision under Moscow; Tashkent

CITIES AND TOWNS

(see also subdivision under Kiev Province; Ukraine) Gully erosion in cities. B. F. Kosov. Izv. Vses. geog. ob-va 95 no. 1:74-77 Ja-F '63.

CITIES AND TOWNS, MEDIEVAL see subdivision under Belaya Kalitva Valley

CITRIC ACID

Effect of citric acid on the incorporation of acetate-1-C¹⁴ into the liver lipids of rabbits [with summary in English]. M. H. Zhuravskiy. Ukr. biokhim. zhur. 34 no. 5:715-719 '62.

CITRUS FRUITS see subdivision under Vietnam, North

CITY PLANNING

(see also subdivision under Balkhash; Elektrostal'; Gothenburg, Sweden; Krasnoye Selo; Leningrad; Moscow; Salavat; Ulan Bator; Ulyanovsk) Automobile parking in cities. K. S. Starikov. Probl. sov. gradostroi. no. 10:68-75 '63. Brief news. Arkhiv. SSSR no. 4:80 '63. Location of garages for private cars. A. V. Sigayev. Probl. sov. gradostroi. no. 10:59-67 '63. Methods of making computations for transportation in city planning. O. K. Kudriavtsev. Probl. sov. gradostroi. no. 10:26-37 '63. Planning settlements at stations with depot facilities. I. R. Zaichenko. Transp. stroi. 13 no. 4:60-62 Ap '63. Stramentov, A. E. [Introduction to city planning; lectures on the Soviet city] Vvedenie v gorodskoe stroitel'stvo; lektsii o sovetskom gorode. Moskva, Gosstroizdat, 1963. 170 p. The structure of transportation systems. O. K. Kudriavtsev. Probl. sov. gradostroi. no. 10:38-68 '63.

CITY TRAFFIC see subdivision under Khartoum

CITY TRAFFIC—NOISE

Determining the intensity of traffic noise in cities. B. G. Prutkov. Probl. sov. gradostroi. no. 10:126-144 '63.

CIVIL DEFENSE

[Protecting the population from present-day means of destruction] Zashchita naselenia ot sovremennykh sredstv porazhenia; uchebnoe posobie dlia organizatsii DOGAAP. Pod obshchey red. I. S. Varennikova i L. V. Vinogradova. Izd. 2., perer. i dop. Moskva, Izd-vo DOGAAP, 1962. 264 p.

CIVIL LAW

(see also subdivision under Uzbekistan) Discussing the proposed "Basic Principles of the Civil and Criminal Law of the U. S. S. R." Rad. pravo no. 1: 142-145 [Ja-F] '63. Important phase of the new codification of Soviet civil laws. O. S. Ioffe. Izv. vys. ucheb. zav.; prav. 6 no. 2: 52-65 '62. Moscow. Vsesoluznyi institut iuridicheskikh nauk. [Soviet civil law course] Kurs sovetskogo grazhdanskogo prava. Moskva, Gos. izd-vo iurid. lit-ry. Brusilov, S. N. [Subject matter and system of Soviet civil law] Predmet i sistema sovetskogo grazhdanskogo prava. 1963. 196 p.

CIVIL PROCEDURE

"Basic Principles of Civil Procedure" and some problems of the civil procedure laws of the Union Republics. N. I. Avdesenko and others. Izv. vys. ucheb. zav.; prav. 6 no. 2:66-75 '62. "Basic Principles of the Civil Procedure of the U. S. S. R." and the civil procedure codes of the Union Republics. S. Kurylev, I. Lukho. Sois. zakon. 39 no. 7:24-30 JI '62. Russia (1917- R. S. F. S. R.) Laws, statutes, etc. [Judicial documents on civil law cases; a textbook] Professors' nye dokumenty po grazhdanskim delam; uchebnoe posobie. Moskva, 1961. 156 p. (CLL)

Unwarranted refusal to accept a civil complaint. K. Merchenko. Rad. pravo no. 3:128-129 My-Je '62.

CIVIL RIGHTS

A theoretical conference on "The rights of Soviet citizens and their protection during the large-scale building of Communism." I. G. Malandin. Izv. vys. ucheb. zav.; prav. 6 no. 2:161-165 '62.

CIVILIZATION see subdivision under United States

CIVILIZATION, AFRICAN

Davidson, Basil. [Old Africa rediscovered. Translated from the English] Novoe otkrytie drevnei Afriki. [Pod red. i s predisl. I. I. Potakhtina] Moskva, Izd-vo vostochnoi lit-ry, 1962. 314 p. (CU)

CIVILIZATION, MYCENEA

Late Helladic clay female statuettes. K. A. Kachuris. Sov. arkheol. 7 no. 2:130-150 '63.

CLASSICAL ANTIQUITIES see subdivision under Kerch; Mediterranean Sea region

CLASSIFICATION—BOOKS

Classification of foreign literature according to linguistic principles in the classed catalog. A. A. Romizov. Opyt. rab. bibliot. i lit. no. 5:66-72 '63.

CLASSIFICATION, DECIMAL

Russia (1917- R. S. F. S. R.) Ministerstvo kul'tury. [Library classification tables for province libraries] Tablitsy biblioteknoi klassifikatsii dlia oblastnykh bibliotek. Pod red. Z. N. Ambartsumiana. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 260 p. Universal decimal classification. Rech. transp. 22 no. 4:16 Ap '63. Vsesoluznaya knizhnaya palata. [Universal decimal classification] Universal'naya desiatichnaya klassifikatsia. Moskva, 1962. 722 p.

CLAY

(see also subdivision under Baku Archipelago; Tosna Valley)

Automatic control of loading a granulator. S. D. Sel'skaya. TSement 29 no. 2:18 Mr-Ap '63. Ways for regulating the technological properties of clay raw materials. F. D. Ovcharenko, S. P. Nichiporenko. Zhur. VKHO 8 no. 2:171-175 JI-Ah '63.

CLAY—ANALYSIS see subdivision under Kirghizistan

CLAY INDUSTRIES

Rapid method for determining the granulometric composition of the clay slips. M. S. Koms'ka, Zh. S. Fec'ko. Leh. prom. no. 1:84-85 Ja-Mr '63.

CLEANING

Advice in home economics. Rab. i sl. 39 no. 2:22 F '63.

CLEANING COMPOUNDS

Use of synthetic detergents in dishwashing. V. M. Chikov, F. V. Nevalin, T. G. Tipleneva. Masl. zhur. prom. 29 no. 3:36-37 Mr '63.

CLEARING MOTHS—EXTERMINATION see subdivision under Georgia

CLEFT PALATE

"Harleyp and cleft palate" [in German] by H. I. Gabka. Reviewed by P. M. Egorov. Stomatologiya 41 no. 5: 104-106 S-O '62. Role of pathological changes in the palatine tonsils in the clinical treatment of congenital cleft palate. E. V. Rapoport. Stomatologiya 41 no. 5:53-55 S-O '62.

CLEMENS, SAMUEL LANGHORNE, 1835-1910

Startsev, A. I. [Mark Twain and America] Mark Tven i Amerika. [Moskva, Izd-vo "Sovetskii pisatel'," 1963] 308 p.

CLERKS (RETAIL TRADE)

(see also subdivision under Kazakhstan; Lipetsk Province)

Atonement for courage. E. Danilova. Smena 39 no. 18: 8-9 S '62.

Behind the counter. E. Kanevskii. Agitator no. 9:55-57 My '63.

CLIMATOLOGY

(see also subdivision "Climate" under Chukhuryud; Kirghizistan; North Atlantic region; Turkish)

Relationship between CaO and MgO in sedimentary rocks and its significance for studying climates of the past. M. P. Nagorskiy. Trudy SNIIGGIMS no. 25:165-170 '62.

CLIMATOLOGY, MEDICAL

International symposium on climatology for dermatosis patients in Sofia (Bulgaria). V. I. Sukharev, N. M. Turanov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:88-89 '63.

Role of climatic factors in compound treatment of patients suffering from bronchial and pulmonary tuberculosis. I. U. M. Gussev. Vrach. delo no. 3:136-138 Mr '63.

CLINICS

(see also subdivision under Moscow)

Importance of scientific as well as practical work in a polyclinic. V. A. Dobronravov. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:11-13 '61.

The polyclinic is the leading link in the Soviet public health system. I. G. Karakozov. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:5-10 '61.

Role of the medical nurse as regards different organizational forms of registration in ambulant polyclinical institutions. N. I. Gavrilov. Med. sestra 21 no. 10: 33-36 O '62.

CLOCKS, ELECTRIC

Investigating the dynamics of miniature electric clocks. Z. M. Aksell'rod. Izv. vys. ucheb. zav.; prib. 6 no. 2: 78-88 '63.

Recent scientific discoveries and technological innovations. Belarus' 20 no. 4:30 Ap '63.

CLOSTRIDIUM

Effect of air on the change in fermenting characteristics of acetone butylic bacteria. A. E. Karpov. Vsesyuzn. Kyiv. un. no. 1. Ser. biol. no. 2:89-94 '58.

CLOTHING, PROTECTIVE

New double-ply fabrics of the British "Kagan Textile Limited" mills. Leh. prom. no. 1:96 Ja-Mr '63.

CLOTHING, PROTECTIVE—STANDARDS

Improved standards for protective gloves. D. A. Kobylanskiy. Shvein. prom. no. 1:36-37 Ja-F '63.

CLOTHING AND DRESS MEASUREMENTS

Standards and aesthetic requirements. D. Kobylanskiy. Sov. torg. 36 no. 2:13-15 F '63.

CLOTHING INDUSTRY

(see also subdivision under Irkutsk Province; Kapa; Kiev; Novosibirsk; Odessa; Rublevo, Moscow Province; Talsar)

Characteristics of work organization and some modifications of the conveyor design on small-output production lines. P. I. Kramarov, L. A. Khamish, Shvein, prom. no. 1:6-7 Ja-F '63.

Experience in the expansion of the communist labor movement. N. G. Pozdnukhov, Shvein, prom. no. 1: 4-6 Ja-F '63.

Improvement of the quality of production is a task of paramount importance. Shvein, prom. no. 1:1-3 Ja-F '63.

Long wished for friendship. T. Pasharina, P. Kubrak, Mest, prom. i khud, promys. 4 no. 3:10-11 Mr '63.

New technological instructions. I. D. Shirayeva, Shvein, prom. no. 1:37 Ja-F '63.

Our folk art and the clothing industry. N. Koroleva, Mest, prom. i khud, promys. 4 no. 3:19-21 Mr '63.

Readers' letters. Shvein, prom. no. 1:30-31 Ja-F '63.

Some problems in the organization of continuous production lines in clothing factories. N. N. Krugauz, Shvein, prom. no. 1:31-33 Ja-F '63.

"Technology of clothing manufacture" by S. I. Rusakov and others. Reviewed by L. P. Karpova. Shvein, prom. no. 1:33-34 Ja-F '63.

University of technological progress. Shvein, prom. no. 1:35-36 Ja-F '63.

CLOTHING INDUSTRY—ACCOUNTING

Shelko, S. S., and M. N. Ianketevich. [Accounting and calculation of production costs in a clothing factory] Uchet i kalkulirovaniye sebestoimosti produktov shveinoy fabrik. [Leningrad] Gosmestpromizdat, 1962. 195 p.

CLOTHING INDUSTRY—QUALITY CONTROL see subdivision under Moscow Province

CLOTHING INDUSTRY—STANDARDS

Consumer's satisfaction with goods for personal use dependent on the number of standard sizes and other factors. I. U. S. Vinogradov, Shvein, prom. no. 1:15-19 Ja-F '63.

CLOTHING INDUSTRY—TECHNOLOGICAL INNOVATIONS

Proposals of efficiency promoters. D. M. Biblin and others. Leh, prom. no. 1:50-56 Ja-Mr '63.

CLOUDS—SPECTRA

Theory of the large drop part of the spectrum of cloud drops. M. V. Butkov, M. I. Dekhtiar, S. S. Dukhin. Izv. AN SSSR, Ser. geofiz. no. 4:637-647 Ap '63.

CLUBROOT

Viability of clubroot spores. G. F. Maklakova. Zashch. rast. ot vred. i bol. 6 no. 11:54-55 N '61.

COACERVATES

Formation of coacervate drops in the synthesis of polyadenylic acid by polynucleotide phosphorylase. A. I. Oparin, K. B. Serebrovskaya. Dokl. AN SSSR 148 no. 4:943-944 F '63.

COAL

(see also subdivision under Irkutsk Basin; Moscow Basin; Tskbuli region)

Concerning the use of waste coal. N. D. Kuznetsov. Prom. energ. 18 no. 1:8-9 Ja '63.

Determination of the dispersity and moisture content of water-coal suspensions. G. N. Delagin, Z. V. Smirnova. Trudy IGI 18:138-143 '62.

Mechanism of the accumulation of germanium in iron ores and coals. O. V. Shcherbak. Min. syr'ye no. 6: 101-113 '62.

Some geological characteristics and prospecting criteria of high concentrations and deposits of uranium in coals [with summary in English]. A. A. Predovskit, G. G. Kochin. Vest. LGU 18 no. 5:36-45 '63.

Some properties of water-coal suspensions. I. V. Davydova, G. N. Delagin. Trudy IGI 18:131-137 '62.

COAL—ELECTRIC PROPERTIES

Device for determining the electrokinetic potential of coal grains. V. I. Solnyshkin. Nauch. soob. IGD 11: 204-206 '61.

COAL—TESTING

(see also subdivision under Uzbekistan)

Leibov, B. M. [Methodology of determining the resistance of coals to cutting from the results of mechanical tests of specimens of random shape] Metodika opredeleniya soprotivlyaemosti ugley rezaniyu po rezul'tatam mekhanicheskikh ispytaniy obraztsov proizvol'noi formy. Moskva, Institut gornogo dela im. A. A. Skochinskogo, 1962. 27 p.

[MICROFILM]

Reactivity of coals. I. V. Davydova, V. M. Popov. Trudy IGI 18:174-177 '62.

COAL—TRANSPORTATION

Technology of the rhythmic operation of stations and approach tracks. N. M. Kol'tsov. Zhel. dor. transp. 45 no. 1:78-80 Ja '63.

COAL GASIFICATION

(see also subdivision under Krasnoyarsk Territory)

Cyclone gas generators for the use of local fuels in the production of power and chemicals. I. E. Popovskii. Trudy Kras. SKH 3 no. 1:297-300 '59.

Permeability of a layer of moist fuels and other free-flowing materials. R. N. Pitin. Trudy IGI 18:148-150 '62.

COAL GEOLOGY see subdivision under Daubikhe Valley; Noril'sk region; Tugruy Depression

COAL HANDLING

Vibration compaction of fine coking coal transported in gondola cars. D. S. Povolotskii. Ugol' 38 no. 4:43-44 Ap '63.

COAL MINES AND MINING

(see also subdivision under Angren Basin; Bulgaria; Chistiyakovo region; Czechoslovakia; Donetsk Basin; Great Britain; Karaganda Basin; Krasnoarmeyskiy District, Donetsk Province; Krasnodon; Tula Province; Ukraine; Ulan Bator)

Baring coal seams with a more than 40 atm. gas pressure. L. N. Karagodin. Bezop. truda v prom. 7 no. 4: 18-20 Ap '63.

Creative link between science and industry. E. M. Ponomarev, G. S. Perskis, N. A. Frolov. Ugol' Ukr. 7 no. 4:46 Ap '63.

Efficient operating conditions in mines. A. S. Astakhov. Ugol' 38 no. 4:7-10 Ap '63.

"Highly productive means of mining coal" by A. P. Sudoplatov and K. I. Ivanov. Reviewed by K. P. Betanelli. Ugol' 38 no. 4:62-63 Ap '63.

Relation between the length of a longwall and the manifestation of rock pressure in a rock formation. N. M. Zoria, V. P. Prokof'ev. Ugol' Ukr. 7 no. 4:3-5 Ap '63.

Role of wetting and the moisture regime of coal in the massif. V. M. Sukharevskii and others. Ugol' Ukr. 7 no. 4:42-43 Ap '63.

COAL MINES AND MINING—ACCOUNTING

(see also subdivision under Donetsk Basin)

Estimation of the effectiveness of capital investments in the coal industry. V. S. Iatskov. Ugol' Ukr. 7 no. 4: 40-41 Ap '63.

COAL MINES AND MINING—BIBLIOGRAPHY see Bibliography—Coal mines and mining

COAL MINES AND MINING—ELECTRIC EQUIPMENT

Construction of sparkproof devices and systems used in the coal mining industry. P. F. Kovalev, L. A. Gavrilchenko. Bezop. truda v prom. 6 no. 9:25-20 S '62.

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES (see also subdivision under Kuznetsk Basin)

Unloading units are needed in coal mining areas. A. I. A. Loktev. Ugol' Ukr. 7 no. 4:27-29 Ap '63.

COAL MINES AND MINING—FINANCE

Methodology for making an economic estimate of coal losses in mines. A. N. Omel'chenko. [Trudy] VNIMI no. 45:18-26 '62.

Zviagin, P. Z. [Selection of the capacity and operating period of coal mines; effectiveness of capital investments in mines] Vybor moshnosti i erokov sluzhby ugo'nykh shakht; effektivnost' kapitalovlozhenii na shakhtakh. Moskva, Gosgortekhzdat, 1963. 467 p.

COAL MINES AND MINING—FIRES AND FIRE PREVENTION

"Extinguishing fires in coal mines" by V. I. Baltaitis. Reviewed by I. A. L. Polesin. Bezop. truda v prom. 6 no. 8:38 Ag '62.

COAL MINES AND MINING—LABOR PRODUCTIVITY

Ways and methods of increasing labor productivity in the coal industry. A. K. Kharchenko. Ugol' 38 no. 4:1-6 Ap '63.

COAL MINES AND MINING—SAFETY MEASURES see subdivision under Donetsk Basin; Vorkuta Basin

COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS see subdivision under Tula Province

COAL MINING MACHINERY

(see also subdivision under Donetsk Basin; Germany, East; Kuznetsk Basin)

Better use of cutter-loaders. S. N. Aleksandrov. Ugol' Ukr. 7 no. 4:32 Ap '63.

Mining steep coal seams with DGI-type rope saws manufactured by the All-Union Scientific Research Institute of Mine Surveying. K. I. Ivanov. Nauch. soob. IGD 11:86-85 '61.

COAL MINING MACHINERY—TESTING

(see also subdivision under Kuznetsk Basin)

Results of trials performed by a test crew on the RUP-2 coal chute widener. O. D. Alimov and others. Ugol' 38 no. 4:41-43 Ap '63.

COAL PREPARATION

Dumaev, M. N., and others. [Preparation, dewatering, and drying of fine coal; survey of foreign material] Obogashchenie, obzvozhiivanie i sushka melkogo ugla; obzor zarubezhnykh materialov. Moskva, TSentr. in-t tekhn. informatsii, 1962. 77 p. [Zarubezhnaya tekhnika. Seriya: Tekhnologiya i ekonomika obogashcheniya i briketirovaniya ugla]

[MICROFILM]

New coal-floatation reagent. M. A. Bo'chikov, V. M. Nuzarenko. Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 3:17-19 '63.

COAL PREPARATION—EQUIPMENT AND SUPPLIES

UTaM-3 centrifugal machine for coal. Ugol' Ukr. 7 no. 4:3 of cover Ap '63.

COAL RESEARCH

"Chemistry and technology of coal" by A. A. Agroskin. Reviewed by E. N. Loskutova, G. R. Aliev. Khim. i tekhn. topl. i masei 8 no. 3:70-71 Mr '63.

COAST CHANGES see subdivision under Kuybyshev Reservoir

COASTWISE NAVIGATION

(see also subdivision under Sakhalin; Vanuatu)

Most advantageous spacing of passenger ships on suburban lines. A. Matavolko. Rech. transp. 22 no. 3:16-19 Mr '63.

COAXIAL CABLES

Calculation of a shielded surface wave transmission line. M. B. Kaplunov. Elektrosv'яз' 17 no. 4:20-27 Ap '63.

COAXIAL CABLES—TESTING

System for checking the insulation of communication cables with plastic sheathing. I. A. Parikozhka and others. Elektrosv'яз' 17 no. 3:49-57 My '63.

COBALT see subdivision under Allai Mountains

COBALT ALLOYS—METALLOGRAPHY

Defects of packing and segregation in cobalt-base alloys. I. U. A. Skakov, I. U. O. Mezhenyi. Fiz. met. i metalloved. 15 no. 2:280-284 F '63.

COBALT COMPOUNDS

Complex compounds of cobalt (III) containing a thioamide group. A. V. Babaeva, I. B. Baranovskii, I. U. A. Kharinov. Zhur. neorg. khim. 8 no. 3:604-611 Mr '63.

Structure of a hydrazinedihydrazinecarboxylic complex of cobalt. L. D. Tsiishvili. Trudy Inst. khim. AN Gruz. SSR 16:15-20 '62.

COBALT IN THE BODY

Cobalt content in the blood of arterio sclerosis patients. A. Kh. Khodzhaev, N. Z. Kochergina. Med. zhur. Uzbe. no. 6:8-13 Ag '62.

COBALT-IRON ALLOYS see Iron-cobalt alloys

COBALT-TITANIUM-TUNGSTEN ALLOYS see Titanium-tungsten-cobalt alloys

COBALT-TUNGSTEN ALLOYS see Tungsten-cobalt alloys

COCCOLITHOPHORIDAE see subdivision under Dogo River

COD FISHERIES see subdivision under White Sea

CODEHYDROGENASE

Enzymatic breakdown of diphosphopyridine nucleotide in the homogenates of cardiac and skeletal musculature [with summary in English]. S. E. Severin, I. A. Tsvetlin, T. N. Drozhzhina. Biokhimiya 28 no. 1:145-151 Ja-F '63.

Preparation of dehydrogenases of L-malic acid and the reduced form of diphosphopyridine nucleotide from cytoplasmic membranes of Micrococcus lysodeikticus [with summary in English]. N. S. Gelfman, I. G. Zhukova, A. I. Oparin. Biokhimiya 28 no. 1:122-127 Ja-F '63.

COECK VAN AELST, PIETER, 1602?-1550

"Chalice prayer," section of an unknown triptych by Pieter Coeck van Aelst. N. Nikulin. Soob. Gos. Ermu. no. 23:32-36 '62.

COELENTERATA

Lessons on the topic "Coelelenterata." L. A. Iatskale. Biol. v shkole no. 2:25-28 Mr-Apr '63.

COFFER DAMS see subdivision under Daleper River; Vakhsh River

COGNAC see Brandy

COIFFURE see Hairdressing

COINS, FRENCH

French coins in early Russian hoards. V. Potin. Soob. Gos. Ermu. no. 23:55-58 '62.

COKE

Combustion constants for coke from coal of the Moscow region [with summary in English]. L. N. Khitrin, L. L. Kotova. Inzh.-fiz. zhur. 6 no. 3:58-62 Mr '63.

Solid fuel for the sintering process. L. E. Kunin. Obog. rud 7 no. 6:16-18 '62.

COKE INDUSTRY—BY-PRODUCTS see subdivision under Egypt; Ukraine

COKE OVENS

Perepelitsa, A. L., and N. Z. Gusev. [Use of solid heat carriers in a flow sheet for the continuous coking of Irkutsk Basin coals] Primenenie tverdogo teploносителя в skheme nepreryvnoy koksovaniya uglei Irkutskogo basseina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 143 p.

COLD—PHYSIOLOGICAL EFFECT

Cold uncoupling of oxidation and phosphorylation in the muscles of albino mice [with summary in English]. V. P. Skulachev and others. Biokhimiya 28 no. 1:70-79 Ja-F '63.

COLD (DISEASE)

Georgievskaya, L. M. [Diseases due to the common cold, their prevention and treatment] Prostudnye zabolevaniya, ikh preduprezhdeniye i lecheniye. [Leningrad] Medgiz, 1962. 50 p. (Nauchno-populiarnaya meditsinskaya literatura) (DNLM)

COLD STORAGE ON SHIPBOARD

Refrigerator plant on the motorship "Estonia." A. Z. Gerasimov. Biul. tekhn.-ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 4:39-49 '62.

COLD STORAGE WAREHOUSES see subdivision under Krymskaya; London

COLD STORAGE WAREHOUSES—DESIGN AND CONSTRUCTION

Terrazzo flooring for cold storages. V. M. Kutaniin. Khim. tekhn. 40 no. 2:52-53 Mr-Ap '63.

COLD STORAGE WAREHOUSES—EQUIPMENT AND SUPPLIES

Installation and operation of glass brine batteries and pipe systems. V. M. Shilakhovetskiy. Khim. tekhn. 40 no. 2:55-58 Mr-Ap '63.

COLD STORAGE WAREHOUSES—TECHNOLOGICAL INNOVATIONS

see subdivision under Gorkiy

COLD WELDING—CONGRESSES

All-Union Conference on Cold and Ultrasonic Welding. S. B. Albinder. Atom. sver. 16 no. 2:89 F '63.

COLLAGEN DISEASES

Characteristics of carditis in the so-called major collagen diseases as compared with rheumatic carditis [with summary in English]. E. M. Tarceev. Vop. revm. 1 no. 2:38-44 Ap-Je '61.

Concerning the correlation of the Schoenlein-Henoch disease with rheumatic fever [with summary in English]. E. L. Polotskaya, M. V. Zhuravleva. Vop. revm. 3 no. 1:79-82 Ja-Mr '63.

Some experimental data on the significance of propridin in collagen diseases [with summary in English]. V. I. Sachkov and others. Vop. revm. 1 no. 3:17-21 Ji-S '61.

COLLECTIVE FARMS

(see also subdivision under Amu Darya Valley, Turkmenistan; Central Chernozem region; Kuban; Latvia; Odessa Province; Ukraine; Ukraine, Western; Uzbekistan; Zhitomir Province)

Akademiya nauk SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [Triumph of the Lenin cooperative plan in socialist countries] Pobeda leninskogo kooperativnogo plana v stranakh sotsializma. [By] V. I. Storozhev i dr. Pod red. V. I. Storozheva i Kh. E. Potapova. Moskva, Izd-vo ekon. lit-ry, 1963. 274 p.

"The balance of labor resources on collective farms" by I. Pashkaver. Reviewed by I. Gurin, E. TSang. Ekon. sel'khoz. 34 no. 3:124-127 Mr '63.

Good deeds of the Narimanov airtel farmers. I. Alimov. Nar. khoz. Uzb. 4 no. 1:47-48 Ja '63.

How industrial enterprises help collective farms. V. Mamutov. Rad. pravo no. 2:80-85 Mr-Ap '63.

Kazanisev, N. D. [The law of collective-farm property] Pravo kol'khoznoi sobstvennosti. [Moskva] Mosk. gos. univ., 1961. 42 p. (WU)

Preparation and carrying out of the total collectivization of agriculture in the U.S.S.R. I. E. Zelenin. Prep. ist. v shkole 18 no. 2:7-19 Mr-Ap '63.

Role of the Soviet state and law in raising the cultural level and qualifications of collective farmers. V. TSvetkov. Rad. pravo no. 2:20-29 Mr-Ap '63.

Ways of developing socialist property into a uniform communist property. N. D. Kolesov. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Polit. ekon. no. 5:73-88 '62.

COLLECTIVE FARMS—ACCOUNTING

(see also subdivision under Tambov Province)

"Accounting on collective farms." Book review. Uchet i fin. v kol'khoz. i sovkhov. 20 no. 3:28 Mr '63.

Collective farmers' personal accounts have been transferred to brigades. V. I. Frolov. Uchet i fin. v kol'khoz. i sovkhov. 20 no. 3:7 Mr '63.

Correct deficiencies in accounting instructions faster. M. Sh. Amirov. Uchet i fin. v kol'khoz. i sovkhov. 20 no. 3:8-11 Mr '63.

Dvoirin, E. Yu., and S. D. Sokolov. [Problem for the teaching of accounting practice on collective farm] Zadacha dlia uchebnoi praktiki po bukhgalterskomu uchetu v kol'khozakh; dlia podgotovki uchetykh rabotnikov kol'khozov v uchebnoi seti UPK TsSU SSSR. Izd. 3., perer. Moskva, Gosstatizdat, 1962. 220 p.

Improve the utilization of machinery in agriculture. M. G. Vainer. Uchet i fin. v kol'khoz. i sovkhov. 20 no. 3:36-38 Mr '63.

"Vigilant" ruble. Petro Kozachenko. Ukraina no. 6:12 Mr '63.

We work and study. F. Mamadzhonov. Uchet i fin. v kol'khoz. i sovkhov. 20 no. 3:41-42 Mr '63.

What hinders the regulation of accounting on collective farms? M. A. Chornovetskii. Uchet i fin. v kol'khoz. i sovkhov. 20 no. 3:4-7 Mr '63.

COLLECTIVE FARMS—COSTS

(see also subdivision under Kuban)

Practice in the effort to reduce production costs. Z. K. Kurmanov. Uchet i fin. v kol'khoz. i sovkhov. 20 no. 3:2-3 Mr '63.

COLLECTIVE FARMS—FINANCE

(see also subdivision under Dnepropetrovsk Province; Lvov Province; Nizhnegorskiy District; Ukraine)

Business accounting within individual production units and monetary wages on collective farms. G. Belousenko, G. Ugliantsev, I. Artemenko. Den. i kred. 21 no. 4:22-29 Ap '63.

Finance and the capital reproduction of collective farms. A. M. Iakunich. Dokl. TSKHA no. 68:47-63 '61.

Practice in introducing business accounting on a collective farm. V. Suzymenko. Ekon. Rad. Ukr. no. 2:81-86 Mr-Ap '63.

COLLECTIVE FARMS—FIRES AND FIRE PREVENTION

Following the call of conscience. V. Litvinov. Kryl. rod. 14 no. 3:5 Mr '63.

COLLECTIVE FARMS—INCOME DISTRIBUTION

(see also subdivision under Chelyabinsk Basin; Korsun'-Shevchenkovskiy District; Mezhin District; Omsk Province)

Business accounting within individual production units and monetary wages on collective farms. G. Belousenko, G. Ugliantsev, I. Artemenko. Den. i kred. 21 no. 4:22-29 Ap '63.

Commodity-monetary relations and wage forms on collective farms. A. M. Iakunich. Dokl. TSKHA no. 68:91-107 '61.

Discussion of recommendations on business accounting and agricultural wages. O. Vlodimirov, L. Viktorov. Vop. ekon. no. 4:146-152 Ap '63.

COLLECTIVE FARMS—INTERFARM COOPERATION

Special problems concerning the labor rights of collective farmers assigned to work in interfarm construction enterprises. A. Il. Novikau. Vestn. AN BSSR, Ser. hram. nav. no. 1:24-33 '63.

COLLECTIVE FARMS—LABOR PRODUCTIVITY

Labor productivity, accumulation and consumption on collective farms. N. A. Moiseenko. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Polit. ekon. no. 5:168-187 '62.

COLLECTIVE FARMS—LAWS AND LEGISLATION

(see also subdivision under Ukraine)

A conference on the problems of agricultural and collective farm law. N. A. Syrodov. Izv. vyz. ucheb. zav.; prav. 6 no. 2:165-168 '62.

Effective forms of legal aid to collective farms. V. Skrypnik. Rad. pravo no. 2:105-109 Mr-Ap '63.

How Soviet courts protect the labor rights of collective farmers. TS. Bychkova. Rad. pravo no. 2:52-55 Mr-Ap '63.

How the district soviets of workers' deputies supervise the observance of collective farm statutes. V. Szibitskiy. Rad. pravo no. 2:58-63 Mr-Ap '63.

Ianchuk, V. A., ed. [Collected legislative enactments and regulations of the U.S.S.R. and the Ukrainian S.S.R. on collective farming] Zbirnyk diluchykh zakonodavchikh i normatyvnykh aktiv SRSR i URSR z kol'khoznoho budivnytstva. Kyiv, Derzhav. hospvydav URSR, 1962. 640 p.

Judicial practice in cases concerning the partition of farmsteads and the apportionment of their parts to withdrawing members. V. Maslov. Rad. pravo no. 1:40-56 [Ja-F] '58.

Let us improve the judicial examination of the civil lawsuits of collective farms. A. Zila-zade. Sots. zakon. 39 no. 7:45-48 Ji '62.

"Responsibility of collective farmers for the violation of labor discipline" by V. Z. Ianchuk. Reviewed by V. Hrechko. Rad. pravo no. 2:150-151 Mr-Ap '63.

Strict observance of Soviet laws on collective and state farms. M. Kozyr. Sots. zakon. 39 no. 7:54-58 Ji '62.

Theoretical development of the collective farm law of the U.S.S.R., 1929-1958. I. F. Pankratov. Izv. vyz. ucheb. zav.; prav. 6 no. 2:76-85 '62.

COLLECTIVE FARMS—MANAGEMENT

(see also subdivision under Maloyaroslavets District; Verkhne-Chirchikskiy District)

Follow-up of unpublished letters to the editor. Rad. pravo no. 2:166 Mr-Ap '63.

Kavun, V. M. [Efficient farm management] Ratsional'noe vedeniye khoziaistva. Moskva, Sel'khozizdat, 1963. 205 p.

Organization of agriculture on the "Put' Lenina" Collective Farm. R. S. Trikoz. Trudy Kras. SKH 3 no. 1:5-19 '58.

Unity of word and deed. A. Geldeko. Agitator no. 9:23-26 My '63.

COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES

(see also subdivision under Rostov Province)

People trust her. V. Kukso. Rab. i sluz. 39 no. 4:4 Ap '63.

COLLECTIVE FARMS—SANITATION

Well organized sanitation of a collective farm village. V. A. Gofmekler. Med. sestra 21 no. 10:8-12 O '62.

COLLECTIVE FARMS—VALUATION

(see also subdivision under Lvov Province; Moscow Province; Tashkent Province)

Strange situation. S. Muradov. Fin. SSSR 37 no. 4:70-71 Ap '63.

COLLEGE LIBRARIES see Libraries, University and college

COLLIMATORS

Manufacture of glass collimators. B. P. Adiasovich, V. G. Antonenko. Prib. i tekhn. eksp. 8 no. 2:126-128 Mr-Ap '63.

COLLISIONS (NUCLEAR PHYSICS)

Diagrams for calculating elastic particle collisions. I. I. Serebrennikov. Prib. i tekhn. eksp. 8 no. 2:169-171 Mr-Ap '63.

Inelastic proton-nucleon interaction at an energy of 9 Bev. N. P. Bogachev, E. L. Grigor'ev, I. U. P. Merekov. Dokl. AN SSSR 148 no. 4:783-785 F '63.

Nature of particle production in inelastic pion-nucleon interactions. A. Kh. Vintekil and others. Dokl. AN SSSR 148 no. 4:798-798 F '63.

COLLOIDS

Highly concentrated colloid solutions. Part 1: Iron hydroxide sols. M. E. Shishlashvili, A. L. Batsanadze, A. N. Mumladze. Trudy Inst. khim. AN Gruz. SSR 16:141-150 '62.

Mokrushin, S. G. [Problems in the physical chemistry of colloid-disperse systems and surface phenomena] Zadachi po fiziko-khimii kolloidodispersnykh sistem i poverkhnostnykh yavlenii. Sverdlovsk, Ural'skii politekhn. in-t im. S. M. Kirova. No. 5. 1962. 54 p.

[MICROFILM]

Photoelectric apparatus for studying disperse systems by means of light scattering. M. D. Rapoport. Trudy Inst. nefii AN Kazakh. SSSR 4:168-170 '61.

COLOMBO—DESCRIPTION AND TRAVEL

Saratkh lives in Colombo. V. Kasala. Smena 30 no. 23:25-26 D '62.

COLON (ANATOMY)—CANCER

Treatment of cancer of the sigmoid colon in elderly and senile patients. K. A. TSybyrne. Trudy Kish. gos. med. inst. 12:61-64 '60.

COLON IRRIGATION

see Enema

COLONIES

Methodical advice. Mezhdunar. zhizn' 10 no. 5:150-150 My '63.

There's no place for colonialism on earth. Sov. pech. no. 4:58 Ap '63.

COLOR—PSYCHOLOGY

Color contrasts. Nauka i zhizn' 30 no. 1:36, p. 4 of cover Ja '63.

COLOR CENTERS

Temperature dependence of spin-lattice relaxation time of F-centers in KCl. A. A. Bugal. Fiz. tver. tela 5 no. 3:955-957 Mr '63.

Theory of quasi-linear electronic-vibrational spectra in crystals. Part 1. Theory of Shpol'skii's effect. K. K. Rebane, V. V. Khizhniakov. Opt. i spektr. 14 no. 3:362-370 Mr '63.

COLOR MOTION-PICTURE PHOTOGRAPHY—DEVELOPERS AND DEVELOPING

Using the 80P-1 developing machine for the processing of 70 mm and 35 mm color motion-picture films. G. I. A. Viadro. Tekhn. kino i telev. 7 no. 4:60-63 Ap '63.

COLOR OF FRUIT

Early diagnosis of the coloration in strawberries. T. S. Fadeeva. Nauch. dokl. vyz. shkoly; biol. nauki no. 2:169-170 '63.

COLOR OF LEAVES

Effect of the sap on the greening of leaves. V. F. Gavrilenko, B. A. Rubin. Dokl. AN SSSR 148 no. 4:958-961 F '63.

COLOR PHOTOGRAPHY

Colors in photography. Sov. foto 23 no. 2:36 F '63.
Determining the relationship between the useful and harmful dye absorption by films with internal masking [with summary in English on p. 96]. M. N. Gerasimovich and others. Tekh. kino i telev. 7 no. 4:23-27 Ap '63.

COLOR PRINTING

Calorimetric studies of the color range of a two color synthesis applicable to a code method of electronic color correction. F. I. A. Shklover, M. A. Grushevskaya. Trudy NIIPoligrafmash no. 15:87-93 '61.

COLOR TELEVISION

Colorimetric properties of a square-law modulated color subcarrier. A. K. Kustarev, Elektrosvyaz' 17 no. 3: 31-40 Mr '63.

Measurement of the time discrepancy between color and brightness signals. L. N. Krylov, R. L. Marein. Elektrosvyaz' 17 no. 3:41-49 Mr '63.

"Theory and practice of color television" edited by P. V. Shmakov; a review. Tekh. kino i telev. 7 no. 4:91 Ap '63.

COLORIMETRY

Colorimetric determination of boron, bromine, iodine, and phosphate-ions in highly mineralized waters of the Emba region. M. E. Viktorova, A. V. Kotova. Trudy Inst. nefi AN Kazakh, SSSR 4:171-174 '61.

Colorimetric method of determining serum lactate dehydrogenase (lactate dehydrogenase) and its use in clinical practice. B. F. Korovkin, E. F. Eshina, A. N. Predtechenskiy. Lab. delo 9 no. 3:17-20 Mr '63.

Photocolorimetric determination of higher alcohols in cognac distillates. B. V. Lipis, Z. A. Mamakova. Trudy MNIPP 2:31-36 '62.

Use of semicarbazide as a reducing agent in colorimetric determination of phosphorus. M. I. Shapiro, V. I. Muzychenko. Lab. delo 9 no. 3:27-29 Mr '63.

COLUMNS, CORINTHIAN see subdivision under Mary (City)

COMBINES (AGRICULTURAL MACHINERY)

(see also subdivision under Kherson; Ukraine)
Attachment to combines for gathering the shield bug Eurygaster integriceps. V. Miroshnichenko, Tekh. v sel'khoz. 23 no. 1:78-81 Ja '63.

Cab for the SK-3 combine. IU, Zelenitskiy, Tekh. v sel'khoz. 23 no. 1:88 Ja '63.

COMBINES (AGRICULTURAL MACHINERY)—MAIN- TENANCE AND REPAIR see subdivision under Ukraine

COMBINES (AGRICULTURAL MACHINERY)—SAFETY MEASURES

Protsoluz rabochikh i sluzhashchikh sel'skogo khozai- stva i zagotovok. Tsentral'nyi komitet. [Manual on safety measures for work with combines] Pamiatka po tekhnike bezopasnosti pri rabote na kombaine. Moskva, Sel'khozizdat, 1963. 39 p. (Pamiatka po tekhnike bezopasnosti) (DNAL)

COMBUSTIBLE LIQUIDS see Inflammable liquids

COMBUSTION

Burning of gaseous fuels in an air stream with simulta- neous evaporation of atomized water in a steam and gas producer. A. M. Alekseev, V. M. Ivanov, Z. I. Frenkina. Trudy IGI 19:66-94 '62.

Combustion constants for coke from coal of the Moscow region [with summary in English]. L. N. Khlitrin, L. L. Kotova. Inzh.-fiz. zhur. 6 no. 3:58-62 Mr '63.

Conditions for complete combustion of fuel oil. A. G. Chlenov. Prom. energ. 18 no. 4:21-27 Ap '63.

Effective utilization of water-containing fuels. G. N. Delagin, V. M. Ivanov, B. V. Kantorovich. Trudy IGI 19:59-85 '62.

Experimental investigation of the combustion of particles of natural and emulsified liquid fuels. V. M. Ivanov, P. I. Nefedov. Trudy IGI 19:35-45 '62.

Graphic determination of the coefficient of the excess of air from the data of gas analysis. I. F. Gavrilenko, A. P. Finlagin. Trudy IGI 19:200-205 '62.

Mass and heat transfer in the process of combustion in an air stream. G. N. Delagin, B. V. Kantorovich. Trudy IGI 19:10-23 '62.

New method for the continuous burning of a solid fuel. G. N. Delagin, B. V. Kantorovich. Trudy IGI 19:178-193 '62.

New method for the high-intensity burning of peat using internal combustion. G. N. Delagin, S. S. Kramarenko. Trudy IGI 19:194-199 '62.

Pressure effect on the maximum temperature in the combustion zone and on the ignition temperature of a homogeneous mixture in a turbulent flow [with sum- mary in English]. V. S. Pelevin. Inzh.-fiz. zhur. 6 no. 3:34-39 Mr '63.

Problem of burning high-moisture fuels under pressure. V. M. Ivanov, S. S. Kramarenko. Trudy IGI 19:95-103 '62.

Problems involved in burning water-coal suspensions. G. N. Delagin. Trudy IGI 19:122-130 '62.

Pulsating character of the burning of milled peat in com- bustion chambers. V. M. Popov. Trudy IGI 19:206-215 '62.

Role played by flame in the mechanism of gunpowder combustion. A. G. Merzhanov, A. K. Filonenko. Izv. AN SSSR, Otd. khim. nauk no. 3:560-562 Mr '63.

COMBUSTION RESEARCH

Effect of the degree of blackness in a furnace on the heat exchange in combustion chambers. V. I. Lebedev. Trudy MIIT no. 139:90-101 '61.

Study of complex heat exchange in combustion chambers. V. T. Kumev. Trudy MIIT no. 139:84-90 '61.

COMETS

Photographic observations of Encke-Backlund's (1660i) and Seki's (1661f) comets in Dushanbe. I. Ibragimov. Astron. tsir. no. 23:15-8 N '62.

COMETS—1961

Observations of Humason's comet (1961e). S. V. Vasekh - sviatskii, Astron. tsir. no. 23:11-12 D '62.

COMETS—1962

Attempt to observe radio emission of Seki-Lines' comet (1962c). N. F. Ryzhkov and others. Astron. tsir. no. 23:15-8 N '62.

Photographic observations of Humason's comet (1962e) in Ashkhabad. IU, I. Trutse, G. A. Nasyrov. Astron. tsir. no. 23:1-2 N '62.

Photographic observations of Seki-Lines' comet (1962c) in Pulkovo. N. M. Bronnikova. Astron. tsir. no. 23:1-2 N '62.

Photographic observations of Seki-Lines' comet (1962c) in Zvenigorod. A. G. Krylov, V. A. Nurevich. Astron. tsir. no. 23:13-4 N '62.

Photometric observations of the brightness of Seki-Lines' comet (1962c) in Dushanbe. A. M. Bakharov. Astron. tsir. no. 23:14-5 N '62.

COMMERCE

Byatov, F. P. [Foreign exchange provisions in inter- national trade transactions] Vaituinye uslovlya sdelok v mezhduarodnoi torgovle. Moskva, Vneshorgizdat, 1963. 154 p.

Definition of the world market category [with English summary in appendix]. V. Sergeev. Vnesh. torg. 43 no. 4:17-24 '63.

"Economics of Soviet commerce." Book review 15/6. Polt. samobr. 7 no. 3:128-129 Mr '63.

COMMERCE—CONGRESSES

International trade conference. Sov. torg. 36 no. 2:53-60 F '63.

COMMERCE—PERIODICALS

"Torgovlya za rubezhom" in 1963. Sov. torg. 36 no. 2: 57-58 F '63.

COMMERCE—TERMINOLOGY

Lexicon of the Trade Book of the 16th century. I. N. Shmeleva. Uch. zap. LGU no. 267:81-97 '60.

COMMERCIAL AERONAUTICS see Aeronautics, Commercial

COMMERCIAL AGENTS

Granting the right to sign foreign trade transactions. Vnesh. torg. 43 no. 3:50-53 '63.

Granting the right to sign foreign trade transactions. Vnesh. torg. 43 no. 4:60-61 '63.

COMMERCIAL LAW

Our legal consultants need advice in methodological problems. IE, Hrytsenko. Rad. pravo no. 2:110-111 Mr-Apr '63.

Problems facing the consulting lawyers of economic coun- cils. V. Mamutov, IU, TSimerman. Rad. pravo no. 2: 42-48 Mr-Apr '63.

When the disputes do harm to the Soviet state. IU, Kle- ment'ev. Sov. iust. no. 8:11-12 Ap '63.

COMMERCIAL POLICY

Who hinders the development of trade with the Soviet Union? S. Fil'shtinskii. Vnesh. torg. 43 no. 3:32-34 '63.

COMMUNICABLE DISEASES—PREVENTION

Experience in the control of infectious diseases. A. S. Poletaev. Zdrav. Ros. Feder. 6 no. 10:11-13 O '62.

COMMUNICATION

Seminar on communication by speech; review. Gunnar Fant. Akust. zhur. 9 no. 2:137-152 '63.

COMMUNICATION AND TRAFFIC

Wires are humming.... I. V. Klovov. Ogonek 41 no. 14: 8 Mr '63.

COMMUNICATION IN MANAGEMENT

Organization of dispatcher communication at a plant. A. Golubev. Avt. transp. 4 no. 8:53 Ag '62.

COMMUNICATION THEORY see Information theory

COMMUNISM

Banner of our time. Kommunist 40 no. 6:11-16 Ap '63.

Categories and laws of the political economy of socialism. A. Rumiantsev. Polt. samobr. 7 no. 3:30-33 Mr '63.

Communism is a highly effective organization of human society. Kommunist 40 no. 7:3-11 My '63.

Crowning hour of humanity. Vitalii Korlenov. Kul't. i zhizn' 6 no. 11:2-4 '62.

Danilov, S. K. [Railroad transportation and the economic and technical foundation of communism] Zheleznodorozhnyi transport i material'no-tekhnicheskaya baza kommunizma. Moskva, Transzheldorizdat, 1962. 100 p.

"Formation of Marxist philosophy" by T. I. Oizerman. Reviewed by M. Mitin. Kommunist 40 no. 6:128-130 Ap '63.

Forty five. Uzbekiston 21 no. 11:3 N '62.

Forward, toward communism. Mor. sbor. 45 no. 5:3-7 My '63.

General features of the transformation of socialist labor into communist labor. V. A. Prokof'eva. Uch. zap. kaf. obshchestv. nauk vuz. g. Len. ; Polt. ekon. no. 5:89-108 '62.

Great invigorating power of Leninism. Vop. filos. 17 no. 4:3-15 '63.

Happy New Year! Doshk. vykh. 24 no. 1:1 Ja '63.

Hrabova'kyl, V. K. [Cooperation and mutual aid among all members of society are forms of the productive re- lations of socialism] Spivrobntnytsivto ta vzajemodpo- moha vsikh pratsivnykh suspi'lystva - forma vyrobnny - chyhk vidoosy sotsializmu. [Kyiv] Vyd. Kyivskoho univ., 1961. 80 p. (ICU)

The increasing significance of pace and the time factor in creating the material and technical base of commu- nism. I. A. Tikhonov. Uch. zap. kaf. obshchestv. nauk vuz. g. Len. ; Polt. ekon. no. 5:45-72 '62.

Kommunisticheskaya partiya Sovetskogo Soyuza. Vya- shaya partinina shkola. Kafedra politicheskoi ekonomii. [Socialist means of production] Sotsialisticheskiy spsob proizvodstva. Moskva, Izd-vo VPE. i AON pri TsK KPSS.

No. 5. [The world socialist economic system] Mirovaya sotsialisticheskaya sistema khozinstva. 1963. 109 p.

Molodtsov, V. S. [Every builder of communism should acquire the scientific view of life] Nauchno mirovoe zrenie - kazhdomu stroitelu kommunizma. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike, i Seria: Filosofiya, no. 6)

New books on the history of labor and communist movement. L. A. Beresnyi and others. Vop. ist. 36 no. 4:132-136 Ap '63.

Objectives of the periodical "Promyshlennaya energetika" in 1963. Prom. energ. 18 no. 1:2-4 Ja '63.

Riabchun, P. T. [Great international problem. The build- ing of communism is a great international problem of the Soviet people] Velikaya internacional'naya zadacha. Postroyenie kommunizma - velikaya internacional'naya zadacha sovetskogo naroda. Moskva, Izd-vo "Znanie," 1963. 40 p. (Novoe v zhizni, nauke, tekhnike, i Seria: Istoriya, no. 6)

"Selected works" by V. V. Adoratskii. Reviewed by L. Novikova, A. Troshcheva. Kommunist 40 no. 6:121-122 Ap '63.

Socialism and the national liberation movement. G. Starushenko. Mir. ekon. i mezhdunar. otn. no. 2: 155-157 '63.

Some features of rapid social development during the transition to communism. A. D. Sirin. Vop. filos. 17 no. 4:124-133 '63.

Spare no effort in fulfilling the program of the fifth year of the seven-year plan ahead of schedule. Vest. sviast 23 no. 4:1-2 Ap '63.

Special aspects of qualitative changes during the transi- tion from socialism to communism. D. I. Shustulakov. Uch. zap. kaf. dial. i ist. mat. no. 3:3-19 '63.

The triumph of the cause of the Great October. Koop. Kazakh. 5 no. 11:4-5 N '62.

COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

COMMUNISM AND ART

Artists have a great responsibility to the Soviet people. L. Novichenko. Komm. Ukr. 38 no. 4:66-70 Ap '63.

The building of communism and some problems of Marx- ist-Leninist aesthetics (conclusion) [with summary in English, p. 184]. A. G. Egorov. Vop. filos. 17 no. 4: 16-33 '63.

Clear the road for great and meaningful quests! Iskus- stvo 26 no. 12:2-8 '62.

Contemporaneity and realism in art. G. Pondopulo. Mol. komm. no. 2:26-34 F '63.

For ideological purity in Soviet fine arts! Iskusstvo 26 no. 2:2-11 '63.

For the art of communist truth. Beso Zhgenti and others. Ogonek 41 no. 13:2-3 Mr '63.

Great testament. Mikhail TSarev. Tondr 24 no. 4:7 Ap '63.

COMMUNISM AND ART (Continued)

rushchev, N.S. [High calling of literature and art] *Vysokoe prizvanie literatury i iskusstva*, Moskva, Izd-vo "Pravda", 1963, 247 p.

us work for the building of communism! Ukraina no. 7:5 Ap '63.

ake way for the political engraving! V. Rochko, *Iskusstvo* 26 no. 2:14-17 '63.

etting of Communist Party and Government leaders in figures in literature and art, *Teatr* 24 no. 4:2 p '63.

oble duty of Soviet artists, *Kommunist* 40 no. 7:67-70 My '63.

agation, Isidor Shok, Teatr 24 no. 4:6 Ap '63.

ncipal mission of Soviet art, *Sov. muz.* 27 no. 2:6-9 '63.

esponsibility of the artist, A. Arutunian, *Sov. muz.* 27 no. 4:13-15 Ap '63.

esponsibility of the artist, James Aldridge, *Ogonok* 41 no. 15:18-19 Ap '63.

ve Soviet artist is always a fighter, V. Serov, *Ogonok* 41 no. 16:2-3 Ap '63.

yle of socialist art, V. Rabinovich, *Iskusstvo* 25 no. 12:23-26 '62.

o create with the people for the people, I. Pyrev, *Ek. kino* 33 no. 2:1-5 '63.

gether with the party, B. Efimov, *Sov. pech.* no. 4:18-31 Ap '63.

forgettable meetings, A. Romanov, *Sov. pech.* no. 4:14-17 Ap '63.

sa. Partijos istorijos institutas, [Literature and art in the struggle for communism] *Literatura ir menas ovoj del komunizmo; dokumentu rinkinys*, Vilnius, Valstybine grozines literaturos leidykla, 1962, 476 p. in Lithuanian]

helich, E. V. [The artist and life] *Khudozhnik i zhizn'*, Moskva, Izd-vo Akad. khudozh. SSSR, 1963, 13 p.

o consider this direction to be indisputable, V. Pudovkin, *Ek. kino* 33 no. 3:96-102 '63.

COMMUNISM AND LITERATURE

ists have a great responsibility to the Soviet people, A. Novichenko, *Komm. Ukr.* 38 no. 4:65-70 Ap '63.

r the art of communist truth, Bezo Zhogent and others, *Ogonok* 41 no. 13:2-3 Mr '63.

story of Soviet Russian literature *Istorija Russkoi ovetakoi literatury*, [Moskva] Izd-vo Mosk. univ. Vol. 2, 1963, 768 p.

s up to us to take action, *Znamia* 33 no. 2:193-196 '63.

rushchev, N.S. [High calling of literature and art] *Vysokoe prizvanie literatury i iskusstva*, Moskva, Izd-vo "Pravda", 1963, 247 p.

us work for the building of communism! Ukraina no. 7:5 Ap '63.

in direction, V. Shcherbina, *Vop. lit.* 7 no. 2:3-10 '63.

ble duty of Soviet artists, *Kommunist* 40 no. 7:67-70 My '63.

ble duty of Soviet artists, Piatro Hlebka, *Belarus'* 3 no. 4:3 Ap '63.

r time and literature, G. Markov, *Kommunist* 40 no. 6:81-86 Ap '63.

esponsibility of the artist, James Aldridge, *Ogonok* 41 no. 15:18-19 Ap '63.

o Soviet artist is always a fighter, V. Serov, *Ogonok* 41 no. 16:2-3 Ap '63.

sa. Partijos istorijos institutas, [Literature and art in the struggle for communism] *Literatura ir menas ovoj del komunizmo; dokumentu rinkinys*, Vilnius, Valstybine grozines literaturos leidykla, 1962, 476 p. in Lithuanian]

(MI)

COMMUNIST COUNTRIES—COMMERCE—AUSTRIA

andbook of Austrian commerce with the East [in German], Reviewed by L. Sabel'nikov, *Vnesh. torg.* 43 no. 3:39-40 '63.

COMMUNIST COUNTRIES—CONSTITUTIONAL LAW

onstitutional law of the people's democracies by A. D. Voevodin and others and "Constitutional law of the people's democracies" by L. M. Gudoshnikov and others, Reviewed by G. V. Ignatenko, V. E. Chirkin, *sv. vys. ucheb. zav.; prav.* 6 no. 2:148-151 '62.

COMMUNIST COUNTRIES—DIPLOMACY AND CONSULAR SERVICE

et consular conventions with the other countries of the socialist camp, I. P. Blashchenko, *Uch. zap. IMO* 10:159-170 '62.

COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

elopment of the economies of the fraternal countries 1962, *Mezhdunar. zhizn'* 10 no. 5:142-146 My '63.

owing power of the world socialist system and social progress, N. Inozemtsev, *Kommunist* 40 no. 6:62-72 p '63.

he notebooks of propagandists facts and figures, *omra, Bel.* 37 no. 3:54-57 Mr '63.

ialist world; facts and figures, *Kommunist* 40 no. 6:8-103 Ap '63.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS

Economic cooperation of socialist countries, I. Medvedev, *Agitator* no. 15:7-10 Ag '62.

Socialism and the development of international relations, I. U. Krasin, *Polit. samobor.* 7 no. 3:40-49 Mr '63.

COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS—CEYLON

Economic cooperation of Ceylon with socialist countries, [with English summary in appendix], I. Popova, *Vnesh. torg.* 43 no. 3:8-10 '63.

COMMUNIST COUNTRIES—FOREIGN RELATIONS

Socialism and the development of international relations, I. U. Krasin, *Polit. samobor.* 7 no. 3:40-49 Mr '63.

COMMUNIST COUNTRIES—TEXTILE FABRICS

Exhibition of textile fabrics, N. A. Soldatkina, Z. V. Lashina, *Tekst. prom.* 23 no. 4:22-25 Ap '63.

COMMUNIST COUNTRIES—TEXTILE INDUSTRY

Scientific and technical cooperation of socialist countries in the field of the development of the textile industry, A. A. Gretekh, *Tekst. prom.* 23 no. 4:18-22 Ap '63.

Textile industry of the European socialist countries belonging to the Council of Mutual Economic Aid, A. A. Madonov, N. P. Belov, *Tekst. prom.* 23 no. 4:7-9 Ap '63.

Textile industry of the world system of socialism, E. N. Pekheva, *Tekst. prom.* 23 no. 4:3-6 Ap '63.

COMMUNIST COUNTRIES—TEXTILE RESEARCH

For the further expansion of the scientific and technical cooperation of the socialist countries, *Tekst. prom.* 23 no. 4:1-2 Ap '63.

COMMUNIST COUNTRIES, ASIAN—TRADE UNIONS

[The trade unions of the people's democracies; brief manual] *Profsoyuzy stran narodnoi demokrati; kratkii spravochnik*, [Moskva] Profizdat, No. 2, 1962, 46 p.

COMMUNIST EDUCATION

(see also subdivision under Georgia; Poltava Province; Tashkent)

Department conducts work on a training ship, V. V. Sitnikov, *Vest. vys. shkoly* 21 no. 3:26-30 Mr '63.

Effectiveness of ideological work, B. Shcherbina, *Part. zhizn'* no. 9:8-14 My '63.

Ideological certitude of Soviet people, E. Strukov, *Kommunist* 40 no. 6:73-80 Ap '63.

Ideological education of the creative intellectuals, S. Belsembaev, *Part. zhizn'* Kazakh, 33 no. 3:13-18 Mr '63.

Improve the system of party schools, *Kommunist* 40 no. 7:70-72 My '63.

Let's raise the partisans of a great cause, S. Khoze, *Nar. obr.* no. 4 insert:11-16 Ap '63.

A mighty factor in the struggle for communism, *Part. zhizn'* no. 9:3-7 My '63.

Organize well the final period of the school year, *Part. zhizn'* no. 8:34-36 Ap '63.

Reorganization of party organs and the problem of communist education, *Kommunist* 40 no. 7:60-67 My '63.

Republic-wide pedagogical readings, L. I. Petrova, *Prep. ist. v shkole* 18 no. 2:64-70 Mr-Apr '63.

Schools on the eve of the 60th anniversary of the CPSU, Z. Shnekenbord, T. S. Kotliarskaya, *Nar. obr.* no. 4 insert:1-10 Ap '63.

Svinarenko, A. N. [The training of young communists] *Vospitanie molodykh kommunistov*, Moskva, Izd-vo Sovetskaii Rossiia, 1962, 37 p. (Reshenia XXII s"ezda KPSS - v zhizni)

(NIC)

Training students after the example of V. I. Lenin's life and work, G. U. Achmiz, *Sov. pedagog.* 27 no. 4:64-66 Ap '63.

Youth as the object of political education in the U.S.S.R. Bogdan Fedenko, *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:140-143 O-N '62.

COMMUNIST EDUCATION—BIBLIOGRAPHY see Bibliography—Communist education

COMMUNIST ETHICS

Code of communist ethics, M. Lifanov, *Polit. samobor.* 7 no. 3:105-112 Mr '63.

Communist and religious morality, *Nauka i rel.* 4 no. 2:78-83 F '63.

Communist and the "ethical code", V. Sivotob, *Komm. Ukr.* 38 no. 4:56-64 Ap '63.

Concept of moral duty during the large-scale building of communism, V. A. Rebrin, *Uch. zap. kaf. dial. i ist. mat.* no. 3:20-50 '63.

Didusenko, A. A. [Personally responsible] *Otvetstvennye lichno*, Moskva, Izd-vo "Znanie", 1963, 31 p. (Novoe v zhizni, nauke, tekhnike, X Seriya: Molodezhnala, no. 5)

"Ethical code" in practice; a review of letters to the editor, *Kommunist* 40 no. 6:87-91 Ap '63.

Gal'daev, P. K. [This ennobles man] *Eto ukrashaet cheloveka*, Moskva, Gospolitizdat, 1962, 47 p. (Moral'nyi kodeks stroitelstva kommunizma)

Honesty, veracity, modesty, N. Lavrenov, *Agitator* no. 9:16-19 My '63.

Ideological certitude of Soviet people, E. Strukov, *Kommunist* 40 no. 6:73-80 Ap '63.

In the name of Lenin, F. Petrov, *Mol. komm.* no. 11:3-10 N '62.

Khatkin, A. L. [First principle] *Pervaya zapoved'*, [Tambov] Tambovskoe knizhnoe izd-vo, 1962, 19 p. (Besedy o moral'nom kodekse stroitelstva kommunizma)

Kudenko, O. I. [There is always a place for heroic deeds in life] *V zhizni vsegda est' mesto podvigu; zametki zhurnalista*, Moskva, Gospolitizdat, 1963, 71 p. (Vremia i ljudi)

Maryanova, L. I. [What constitutes the beauty of Soviet man] *U chomu krasa radlana kol liudyny*, Kyiv, Radians'ka shkola, 1963, 96 p.

Model plan for groups and seminars studying the moral code of a builder of communism, *Polit. samobor.* 7 no. 3:103-104 Mr '63.

Moscow, Universitet, Kafedra dialekticheskogo i istoricheskogo materializma, [Lectures on Marxist-Leninist ethics] *Lektsii po marksistско-leninskoi etike; prochitanyye na respublikanskom seminaru prepodavatelei vuzov po kursu marksistско-leninskoi etiki* 18-28 marta 1960 g., Pod red. V. T. Efimova i dr., Moskva, 1960, 156 p.

(NNC)

One fact more; an open letter to Douglas Hamilton, V. Staroverov, *Mol. komm.* no. 7:56-57 Jl '62.

Studying the moral code, M. Naumova, *Polit. samobor.* 7 no. 3:92-94 Mr '63.

Work and honor are indivisible, P. Kurbanov and others, *Koop. Kazakh.* 5 no. 12:16-25 D '62.

You are the toiler and highly principled champion! G. Nezhevenko, *Sov. profsoyuzy* 19 no. 7:1-3 Ap '63.

COMMUNIST ETHICS—BIBLIOGRAPHY see Bibliography—Communist Ethics

COMMUNIST LABOR see Socialist competition

COMMUNIST PARTIES

Away with today's Bastilles, Manolis Glezos, *Nov. vrem.* 20 no. 10:10 My '63.

Communists are genuine patriots of their countries, A. Iskenderov, *Az. i Afr. sog.* no. 4:14-17 Ap '63.

COMMUNIST PARTY see subdivision under Germany, East; Italy; Latvia; Lithuania; Mexico; Peru; Poland; United States

COMMUNIST PARTY OF THE SOVIET UNION

(see also subdivision under Cherepovets; Dnepropetrovsk Province; Turkistan)

The CPSU in a fine arts "exhibition", *Part. zhizn'* no. 9:76-77 My '63.

The Communist Party in the struggle for the consolidation and development of socialist society; strengthening of national defense, 1937-June 1941, *Komm. Ukr.* 38 no. 3:78-82 Mr '63.

Glorious and heroic history [with summary in English p. 219], D. M. Kukin, *Vop. ist.* 38 no. 4:3-11 Ap '63.

Heroic path of the party of Lenin, V. Ignatiev, A. Ugriunov, *Kommunist* 40 no. 7:23-29 My '63.

"History of the Communist Party of the Soviet Union", Book review, *Nach. shkola* 31 no. 2:8-11 F '63.

"History of the Communist Party of the Soviet Union", Reviewed by P. Kostyba, *Ukraina* no. 4:16 F '63.

How the voting results of the elections to party organs should be determined, *Part. zhizn'* no. 8:58-59 Ap '63.

How to study the theme "The party as the inspirer and organizer of the large-scale building of communism, 1953-1961", S. Solomakhov, *Komm. Bel.* 37 no. 3:45-50 Mr '63.

Lenin, V. I. [International significance of the experience of the CPSU] *O mezhdunarodnom znachenii opyta KPSS*, Moskva, Gospolitizdat, 1963, 707 p.

[Library of the Secretary of a Local Party Organization] *Biblioteka sekretaria pervynnoi partorganizatsii*, Kyiv, Derzhpolitydav, 1962, 10 nos. in 1 v.

[The Statute of the Communist Party of the Soviet Union] *Statut Kommunisticheskoi partii Radians'koho Soluzu*, (Zatverzhdenyi XXII z'ezdom KPSS)

Khvostenko, S. P. [The Statute of the CPSU is an incorporation of Lenin's norms of party life] *Statut KPSS - vtilennia lenins'kykh norm partii-noho zhytla*

Zotov, M. I. [Duties and rights of a party member] *Obov'yazky i prava chlena partii*

Ivashchenko, M. K. [How our party is organized] *Iak pobudovana nasha partia*

Iaremchuk, H. F. [The strength of leadership lies in collectivism] *V kolektivnosti - sila kerivnytstva*

Sapukhin, O. O. [Local party organization] *Pervynni organizatsii partii*

Martynenko, K. M., and I. F. Poida, [Party leadership in mass organizations] *Partiine kerivnytstvo hromadykymy organizatsihami*

Bilokolos, D. Z. [Ideological education in party organization] *Ideino-vykhovna robota partiinoi organizatsii*

Nedaivodov, I. S. [Party control of government activity] *Partiinyi kontrol' dital'nosti admistratsii*

Balda, S. S., and S. S. Kovpak, [Operating a Local Party Organization] *Partiine hospodarstvo pervynnoi partorganizatsii*

COMMUNIST PARTY OF THE SOVIET UNION (Continued)

The party during the Great Patriotic War, June 1941-1945; methodological advice for propagandists. Komm. Ukr. 38 no. 4:84-88 Ap '63.
Promoting the Leninist principles of the development of the Communist Party and the Soviet state. V. Serdiuk. Komm. Ukr. 38 no. 4:34-41 Ap '63.
Shvets, L.A. [The party leader] Partilnyi vozhak. Moskva, Gospolitizdat, 1963. 60 p. (Biblioteka sekretaria pervichnoi partinnoi organizatsii, no. 11)
Study of the history of the CPSU is an important means of people's education. Polit. samobor. 7 no. 3:3-10 Mr '63.

COMMUNIST PARTY OF THE SOVIET UNION—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union

COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Great victory for Lenin's policy of peace; on the 45th anniversary of the Seventh Extraordinary Congress of the Communist Party. N. Lipovchenko. Komm. Ukr. 38 no. 3:35-43 Mr '63.

Kommunisticheskaia Partia Sovetskogo Soiuza. 16. Konferentsiia. Moskva, 1929. [Verbatim report of 16th Conference of the Communist Party of the Soviet Union] Stenograficheski otechet. Moskva, 1929. xxix, 337 p. (Protokoly i stenograficheskie otechety s'ezdov i konferentsii Kommunisticheskoi partii Sovetskogo Soiuza)
(CtY)

COMMUNIST PARTY OF THE SOVIET UNION—HAND-BOOKS, MANUALS, ETC.

[Notebook for a party activist, 1963] Zapisnaya knizhka partinogo aktivista, 1963. Moskva, Gospolitizdat, 1962. 351 p.

COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

(see also subdivision under Lithuania; Yenisey Government)
Admission to the party has to be supervised. V. Zasharin. Part. zhizn' no. 8:14-20 Ap '63.

COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

(see also subdivision under Dneprodzerzhinsk; Kalinin; Kalinin Province; Krasnodar; Krasnoyarsk Territory; Kazakhstan; Moscow; Moscow Province; Pinsk; Rostov-on-Don; Smolensk Province; Tiflis; Ukraine; Uzbekistan; White Russia; Yelitsa)
Abramovics, V., I. Kinca, and K. I. Matveva. (Spirited, creative cause. Translated from the Latvian) Zhivoe, tvorcheskoe delo. Riga, Latgosiizdat, 1960. 124 p. (Mh)

Answers to our questions. Part. zhizn' no. 8:78 Ap '63.
Answers to our questions. Part. zhizn' no. 9:78 My '63.

[Ardent word; sketches on propagandists and agitators] Plamennoe slovo; ocherki o propagandistakh i agitatorakh. Tashkent, Gosizdat UzSSR, 1962. 114 p.
Before the plenum of the CPSU. Agitator no. 9:3-6 My '63.

Bulsko, N.A. [The Communist Party as the organizer of nation-wide assistance to Soviet Ukraine in the reconstruction of its economy during the years of the Great Patriotic War] Kommunisticheskaya partiia - organizator vsenarodnoi pomoshei Sovetskoi Ukraine v vosstanovlenii narodnogo khoziaistva v gody Velikoi Otechestvennoi voyny. [Kiev] Izd-vo Kievskogo univ., 1952. 177 p.

The city committee is right. A. Tulubenskii. Part. zhizn' no. 8:57-58 Ap '63.
Collectivism is the highest principle of party leadership. G. Shitarev. Part. zhizn' no. 9:22-30 My '63.

The communist in production. Part. zhizn' no. 8:3-7 Ap '63.
Consolidating last year's achievements. N. Kalshabekova. Part. zhizn' Kazakh, 33 no. 3:34-38 Mr '63.

Every collective farmer should also be a mechanic. G. Abakumov. Part. zhizn' no. 9:45-47 My '63.
Figures in political talks. B. Mar'ianov. Agitator no. 14:41-44 Ji '62.

For the needs of the industrial Urals. N. Sokratov. Part. zhizn' no. 8:43-47 Ap '63.

Groznen'skii rabochii. [Propagandists tell their story] Propagandisty rasskazyvali... [Groznyi] Izd-vo gazety "Groznen'skii rabochii," 1961. 64 p. (Biblioteka partinogo rabotnika)
(NtC)

How to make your talks more interesting. M. Gorelik. Komm. Bel. 37 no. 3:38-40 Mr '63.
Ideological work should be the main consideration of local party organizations. Agitator no. 14:3-6 Ji '62.

An important trait of Lenin's working style. A. Parfenov. Part. zhizn' Kazakh, 33 no. 3:56-61 Mr '63.
"Initiative in party work" by E. Asaevich. Reviewed by B. Zel'tser. Komm. Bel. 37 no. 3:69-72 Mr '63.

Initiative of a state farm party organization. B. Karymbaev. Part. zhizn' Kazakh, 33 no. 3:48-50 Mr '63.

Lenin rooms on collective farms. A. Andreev. Part. zhizn' Kazakh, 33 no. 3:53-55 Mr '63.
Lenin's principles of party and state control. Ekon. sel'khoz. 34 no. 3:1-6 Mr '63.

Let a wide road open for ideological committees. N. Ivan'kovich. Polit. samobor. 7 no. 3:80-85 Mr '63.
Letters, information, comments. Agitator no. 9:59-60 My '63.

Living sources of technical progress. G. Popov. Part. zhizn' no. 8:15-21 My '63.

Lunenkov, G. I. [The party organization and the press] Partinaya organizatsiia i pechat'. Moskva, Gospolitizdat, 1962. 77 p. (Biblioteka sekretaria pervichnoi partinnoi organizatsii, no. 3)

Mass participation and efficient methods are the foundations of success. V. Turovitsv. Part. zhizn' no. 8:9-13 Ap '63.
Mass political work in rural areas in the first years of the rapid expansion of agriculture (based on the materials of Voronezh Province). L. V. Pogorelskii. Nauch. zap. VLTi 28:98-115 '62.

Menchikov, G. A. [Let us guide the economy skillfully and with good knowledge of the matter] Umelo, so znaniem dela rukovodit' khoziaistvom. Moskva, Gospolitizdat, 1963. 60 p. Biblioteka sekretaria pervichnoi partinnoi organizatsii, no. 10)

Moscow. Akademiia obshchestvennykh nauk. [Party organizations in the effort to develop industry during the years of the seven-year plan] Partinnye organizatsii v bor'be za pod'em promyshlennosti v gody smeleitki. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1963. 353 p.

Moskalev, M. A. [Control by Lenin's method] Kontrol' po-leninski. Moskva, Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike. I Seriya: Istoriia, no. 7)

The most responsible sections. V. Liubavichev. Part. zhizn' no. 8:47-49 Ap '63.
Nearer to the people and to production. S. Mukashev. Part. zhizn' Kazakh, 33 no. 3:24-27 Mr '63.

New party organs should adopt the new methods of work. G. Shitarev. Kommunist 40 no. 7:76-85 My '63.
Organizational work is the most important part of the party guidance. Komm. Ukr. 38 no. 3:3-8 Mr '63.

Party and political work in a village. Polit. samobor. 7 no. 3:76-80 Mr '63.
The party committee and the primary party organization E. Kuz'min. Part. zhizn' no. 8:50-53 Ap '63.

The party group is the soul of the collective. A. Likhachev. Part. zhizn' no. 8:53-55 Ap '63.
Party news. Part. zhizn' no. 8:79-80 Ap '63.

Party news. Part. zhizn' no. 9:79-80 My '63.
[Party work in activities of public initiative; practices of party organizations] Partinaya rabota na obshchestvennykh nachalakh; iz opyta partinnykh organizatsii. Saransk, Mordovskoe knizhnoe izd-vo, 1962. 102 p.

Party worker. M. Kosarev. Part. zhizn' no. 9:58-64 My '63.
Plans and their defects. E. Bozhenko, N. Petrachuk. Part. zhizn' no. 8:41-45 My '63.

"Political work in residential blocks." Reviewed by F. Kashirskii. Agitator no. 14:62-63 Ji '62.
Reaching new milestones. IUn. tekhn. 7 no. 12:2-4 D '62.

Reorganization of party organs and the problem of communist education. Kommunist 40 no. 7:60-67 My '63.
"Role of the Soviet working class in the socialist transformation of the agriculture of Kazakhstan" by S. Ivashkin. Reviewed by V. Gusev. Part. zhizn' Kazakh, 33 no. 3:76-78 Mr '63.

[The skills of an agitator] Masterstvo agitatora. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 89 p.
This is the Lenin policy! Koop. Kazakh, 5 no. 12:3-6 D '62.

Toward new frontiers. P. Zemlinov. Part. zhizn' Kazakh, 33 no. 3:19-23 Mr '63.
Tsikoto, I. A. [Communism and agriculture] Kommunizm i sel'skoe khoziaistvo. Moskva, Ekonomizdat, 1963. 78 p.

Under Lenin's banner. Pozh. delo 9 no. 4:1 Ap '63.
Using the method of practical tasks. I. Smirnov. Part. zhizn' no. 8:87-89 Ap '63.

Vasil'ev, A. S., and V. I. Grik. [Propagandists] Propagandisty. [Moskva] Mosk. Rabochii, 1963. 82 p.
Voluntary department of schools of the city committee. I. Salikhov. Part. zhizn' no. 8:85-87 Ap '63.

We don't act like that. G. Romanov. Part. zhizn' no. 8:55-57 Ap '63.
When a train crew is at work. P. Vasil'evskii. Agitator no. 14:45-46 Ji '62.

Widen the way for highly efficient technology. V. Lepeshkin. Part. zhizn' no. 9:35-40 My '63.
The work of Kharkov Province Industrial Committee of the Communist Party of the Ukraine for the execution of the November, 1962 resolution of the Plenum of the Central Committee of the CPSU on the further development of specialization in industry. Part. zhizn' no. 8:28-29 Ap '63.

COMMUNIST PARTY OF THE SOVIET UNION—MUSIC AND MUSIC—BIBLIOGRAPHY see Bibliography—Communist Party of the Soviet Union—Music

COMMUNIST SELF-CRITICISM

Borisova-Lert, R. B. [Evidence of our criticism of self-criticism and self-criticism] Svidetel'stvo nashego kritiko i samokritike. Moskva, Gospolitizdat, 1962. 77 p. (Biblioteka sekretaria pervichnoi partinnoi organizatsii, no. 7)

COMMUNIST STATE

How a socialist state develops into communist self-government. M. Z. Belova. Uch. zap. dial. ist. mat. no. 3:65-76 '63.

Some features of the national socialist state. I. V. Shestelin. Izv. vyz. ucheb. zav. i prav. 6 no. 2:12-21 '62.

COMMUNIST YOUTH LEAGUE

(see also subdivision under Berezni, Perm Province; Caucasus, Northern; Bryzayovo, Khar'kov Province; Krasnoyarsk Territory; Krasnodar; Krasnoyarsk; Lishchansk; Moscow Province; Odessa; Tallinn; Tashkent; Ukraine)

According to honor and conscience. Komm. zhizn' no. 8:14-17 Mr '63.

All hidden potentialities should be mobilized in the service of communism! IU. Torsuev. Mol. komm. no. 2:11-13 F '63.

The assault front of youth. U. Dzhanibekov. Part. zhizn' Kazakh, 33 no. 3:6-12 Mr '63.
Communist Youth League in the institutions of higher learning is a great force. Vest. vyz. shkoly 21 no. 3:3-8 Mr '63.

The "Communist Youth League searchlight" in education. Mol. komm. no. 2:13-17 F '63.
Don't extinguish the light. N. Dunaevskaya. Mol. komm. no. 11:32-35 N '62.

Economics in the Communist Youth League. A. Stetsko. Mol. komm. no. 2:44-51 F '63.
Every workshop should have its own working plan. O. Kurin. Mol. komm. no. 2:107-108 F '63.

A false light. A. Baryshnikov. Mol. komm. no. 2:98-101 F '63.
Forward with the new! V. Klochkov. Komm. zhizn' no. 2:9 Ja '62.

The general sector is not a bureaucracy. I. Korotkova. Komm. zhizn' no. 2:22-24 Ja '62.
A group educates activists. Komm. zhizn' no. 4:18-21 Mr '63.

In the service of the Soviet Union. A. Lizichov. Mol. komm. no. 2:52-57 F '63.
A key to the heart. P. Skobelkin. Mol. komm. no. 11:61-63 N '62.

Kolch, L. M. [There is no better way] Net dorogi vernoi. [Moskva, Izd-vo "Molodaya gvardia," 1962. 62 p. (Vot oni - komсомоль'skie maiki)]
Letters to the editor. E. Kosolapov and others. Komm. zhizn' no. 2:25-28 Ja '62.

Long life for machines! I. Ledenov. Komm. zhizn' no. 2:10-12 Ja '62.
The main topic. V. Khlomendik. Mol. komm. no. 2:102-106 F '63.

Nine days in a club. S. Shaboldin. Mol. komm. no. 11:80-88 N '62.
A powerful ideological weapon. IU. Kurganov. Komm. zhizn' no. 2:18-21 Ja '62.

The pulse of the factory beats regularly. M. Tsharva. V. Kiurkchian. Komm. zhizn' no. 2:5-7 Ja '62.
Role of Communist Youth League cadres in the system of communist dictatorship. A. N. Krushin. Mat. i issl. old. Inst. po izuch. SSSR no. 38/39:153-159 O-11 '62.

Rural "searchlight bearers" take the field. E. Ignatov. K. Gromova, N. Kovalenko. Komm. zhizn' no. 4:14-14 F '63.

Sixty-five thousand inspectors. N. Savitskii. Mol. komm. no. 2:109-111 F '63.
Some results of the Communist Youth League conferences. Komm. zhizn' no. 4:2-5 F '63.

A stain on the conscience. A. Kondratenko. Mol. komm. no. 2:95-97 F '63.
A submarine returned to the harbor. N. Belova. Mol. komm. no. 2:59-61 F '63.

Three exclamation marks. N. Dolginova. Mol. komm. no. 1:40-42 N '62.
United press control. V. Orekhov. Komm. zhizn' no. 4:29-31 F '63.

A very important question; who will attend the first course... Komm. zhizn' no. 6:23-24 Mr '63.
Watch working hours. IA. Chernavskii. Komm. zhizn' no. 2:7-8 Ja '62.

We are living for a great cause. V. Malov, I. Helashkova. Komm. zhizn' no. 6:25-28 Mr '63.
We are responsible for all of them. IU. Boldyrev, O. Shishov, K. Mikhailov. Mol. komm. no. 11:73-76 N '62.

What a surprise inspection showed. P. Ivanov, I. Fedulov. Komm. zhizn' no. 2:12-14 Ja '62.
Wonderful co-author. V. Belov. IUn. tekhn. 7 no. 4:12. 18 Ap '63.

COMMUNIST YOUTH LEAGUE (Continued)

A year passed... V. Lutskiy. Komsom. zhizn' no. 2:2-6 Ja '62.
A young engineer should be a creator of new technology, a production leader, and a convinced Communist. Komsom. zhizn' no. 0:2-4 Mr '63.

COMMUNISTS

Nobel duty of the Communist. Komm. Bel. 37 no. 3:2-7 Mr '63.

COMMUNITY AND SCHOOL

(see also subdivision under Gatchina; Orenburg Province; Uzbekistan)

Akademii pedagogicheskikh nauk RSFSR, Moscow. Institut teorii i istorii pedagogiki. [School, family and community] Shkola, sem'ia i obshchestvennost'. Pod red. E. I. Volkovoi. Moskva, Izd-vo Akad. pedagog. nauk, 1963. 79 p. (Pedagogicheskie chteniia)

Contact with the community is a law of our life. Dashk. vykh. 24 no. 3:1-2 Mr '63.

Editor's mail. P. Semichastnova and others. Dashk. vosp. 36 no. 2:42-45 F '63.

Grandfather Naletov. L. Kafanova. Shkola-int. no. 1: 61-62 Ja-F '63.

New forms of cooperation among schools, families and communities. O. P. Rostovtseva. Sov. pedagog. 27 no. 4:67-72 Ap '63.

Vocational orientation of grade 5-8 students. V. L. Zaitsev. Sov. pedagog. 27 no. 4:38-44 Ap '63.

COMMUNITY CENTERS

(see also subdivision under Armenia; Baku; Cuba; Kaunas; Kishinev; Krumatorsk; Latvia; Makhmadze District; Moscow; Rostov; Samarkand; Turkmenistan; Ukraine; Virgin Territory)

Along the Lenin course. Klub 12 no. 2:2 F '63.

By deeds and honor. V. Golubeva. Kul't. -pros. rab. 24 no. 2:49-50 F '63.

"Come more often." A. Zolkin. Kul't. -pros. rab. 23 no. 1:10 N '62.

The community center, too, is responsible for the crop. K. Shishkov. Klub 12 no. 2:3-5 F '63.

Hail to our Motherland! Klub 12 no. 10:p. 1 of cover-2 O '62.

How a community center was born. V. Kuznetsov. Kul't. -pros. rab. 24 no. 2:24-25 F '63.

In friendship with industrial management. Kul't. -pros. rab. 23 no. 1:9 N '62.

Letters to the editor. Kul't. -pros. rab. 23 no. 1:29-33 N '62.

Letters to the editor. Kul't. -pros. rab. 24 no. 2:32-39 F '63.

News of community centers. Klub 12 no. 2:33-36 F '63.

No, Petrunkina did not make a mistake. E. Vladimirov. Kul't. -pros. rab. 24 no. 2:25-26 F '63.

Restless woman. A. Eventov. Kul't. -pros. rab. 24 no. 2:7-9 F '63.

Sundays at the community center. Kul't. -pros. rab. 24 no. 2:5-6 F '63.

When recognition comes. A. Vertuzhskii. Kul't. -pros. rab. 24 no. 2:17-18 F '63.

COMMUNITY CENTERS, STUDENT see subdivision under Kharkov

COMMUTATION (ELECTRICITY)

Commutator on semiconductor triodes. A. S. Eremin, B. S. Rozov. Prikl. i tekhn. eksp. 8 no. 2:90-92 Mr-Apr '63.

Contactless asynchronous exciter for synchronous machines. Sh. I. Lutidze, V. I. Chursin. Elektroenergetika no. 6:82-86 '62.

COMPETITION, INTERNATIONAL

The basic problem of modern times. I. Sokolov. Mir. ekon. i mezhdunar. otn. no. 2:16-18 '63.

COMPLEMENT FIXATION

Description of two methods of complement fixation reaction for quantitative detection of C-reactive protein. V. F. Mukhin. Lab. delo 9 no. 3:21-26 Mr '63.

Production of dry inactivated brain antigen in tick-borne encephalitis for complement fixation reaction. IU, V. Fedorov, I. A. Burenkova, R. A. Vidlina. Vop. virus. 7 no. 0:741 N-D '62.

Use of the drip-laminar method in producing complement fixation reaction in experimental viral and rickettsial infections. A. I. Iakovlev, V. A. Andreev. Lab. delo 9 no. 3:47-50 Mr '63.

COMPLEX COMPOUNDS

Complex formation in the system consisting of phosphoric acid - alkali - sesquioxides. A. E. Kharakoz and others. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:141-147 '62.

Effect of outer-sphere cations on complex formation in solutions. V. E. Mironov. Zhur. neorg. khim. 8 no. 3: 764-767 Mr '63.

Effect of the asymmetry of the paramagnetic complex on proton relaxation time. A. A. Popel', R. A. Dautov, A. V. Zakharov. Dokl. AN SSSR 149 no. 3:637-638 Mr '63.

Exchange of ligands in ferrocene. A. N. Nesmeianov, N. A. Vol'kensau, I. N. Bolesova. Dokl. AN SSSR 149 no. 3:615-618 Mr '63.

Formation of mixed complex compounds of metal oxalates in ethylenediamine solutions. I. A. D. Fridman and others. Zhur. neorg. khim. 8 no. 3:676-684 Mr '63.

Kurnakov, N. S. [Works on the chemistry of complex compounds. Trudy po khimii kompleksnykh soedinenii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 154 p.

Polarographic hydrogen catalytic currents in solutions of complex compounds of some metals [with summary in English]. G. L. Elizarova. Zhur. anal. khim. 18 no. 1:4-8 Ja '63.

Possible transportation of matter in the form of addition compounds [with summary in English]. I. G. Ganeev. Geokhimiia no. 10:917-923 '62.

COMPLEX NUMBERS see Numbers, Complex

COMPLEXES

Equifine invariant nonholonomic congruences of a linear complex. R. N. Shcherbakov. Mat. sbor. 60 no. 2:131-158 F '63.

Linear complexes in a real region. N. I. Kovantsov. Izv. vys. ucheb. zav. i mal. no. 3:56-68 '63.

COMPLEXONS

Complex formation of indium with some complexons studied by the ion exchange method. D. I. Rjabchikov, I. N. Marov, I. A. Ke-min' [Yao K'o-min]. Zhur. neorg. khim. 0 no. 3:641-650 Mr '63.

Complexons from natural compounds. M. E. Shishnia-shvili, M. V. Pirtakulava, L. N. Odilavdze. Trudy Inst. khim. AN Gruz. SSR 16:111-116 '62.

COMPOSERS, FRENCH

French musicians in Moscow. L. P. Sov. muz. 27 no. 1:126-127 Ja '63.

COMPRESSED AIR

Testing a reinforced concrete floor above ground level with compressed air. M. IU. Karchenskii. Bel. i zhel. -bet. 9 no. 3:142-143 Mr '63.

COMPRESSED WOOD see Wood, Compressed

COMPRESSIBILITY

Determination of the compressibility of methanol, carbon monoxide-hydrogen and carbon monoxide-hydrogen-methanol mixtures at high temperatures and pressures. D. B. Kuzarnovskii, I. P. Sidorov, I. A. S. Kozarnovskii. Khim. prom. no. 3:205-211 Mr '63.

COMPRESSORS

(see also subdivision under Erivan)

Manufacture of piston rings under conditions of the serial production of compressors. I. T. Pokholnia. Khim. mashinost. no. 2:36-37 Mr-Apr '63.

Stuffing boxes of piston compressors with rubber packing rings. A. Kh. Trukhin. Khim. mashinost. no. 2:43 Mr-Apr '63.

CONCENTRATION CAMPS see subdivision under Germany

CONCEPTION—PREVENTION

How to prevent pregnancy. Rab. i stal. 39 no. 4:24 Ap '63.

CONCERTS see subdivision under Moscow

CONCRETE

Fire resistant concrete. Pozh. delo 9 no. 3:15 Mr '63.

Physicochemical principles of the technology of concrete. O. P. Medvedev-Petrovskii. Zhur. VKhO 8 no. 2:175-178 '63.

CONCRETE—CONGRESSES

Automation of the processes of preparing, placing and compacting concrete mixes. L. S. Shapiro. Bel. i zhel. -bet. 9 no. 3:144-3 of cover Mr '63.

CONCRETE—CORROSION

Moskvin, V. M., and G. S. Roink. [Concrete corrosion caused by the action of cement alkalis on the silica in the aggregate] Korrozii betona pri deistvii shchelochi (somena na kremnezem zapolnitelia. Moskva, Gosstroizdat, 1962. 162 p.

CONCRETE—TESTING

(see also subdivision under Dratsk Hydroelectric Power Station)

Determining deflections of composite elements subject to prolonged loading. N. S. Metelluk. Gidr. stroi. 33 no. 2:35-37 F '63.

Determining the strength of heavy concrete. Standartizatsia 27 no. 3:53-55 Mr '63.

CONCRETE—THERMAL PROPERTIES

Approximation method of determining temperatures of concrete masonry in dams under construction. G. N. Danilova, N. A. Buchko. Gidr. stroi. 33 no. 4:26-29 Ap '63.

CONCRETE—TRANSPORTATION

Pneumatic feed of the concrete mix at plants producing precast reinforced concrete. V. V. Dikusa, Bel. i zhel. -bet. 9 no. 3:128-130 Mr '63.

CONCRETE, LIGHTWEIGHT see Lightweight concrete

CONCRETE, PRECAST see Precast concrete

CONCRETE, PRESTRESSED see Prestressed concrete

CONCRETE BLOCKS

Concrete without cement. IU, I. Aralov. Nauka i zhytiia 12 no. 2:34 F '63.

New developments in the use of three-dimensional concrete blocks. B. Chebotkov, I. Slipchenko, M. Poion-skii. Prom. stroi. i inzh. soor. 5 no. 2:12-15 Mr-Apr '63.

CONCRETE BRIDGES see Bridges, Concrete

CONCRETE CONSTRUCTION

In the technical administration. Gidr. stroi. 33 no. 4: 48 Ap '63.

Lipovetskii, M. A. [Concrete pump and their use in hydraulic engineering construction] Betononasosy i ikh primeneniye v gidroenergeticheskoi stroitel'stve. Moskva, Gosenergizdat, 1963. 182 p.

Mechanized laying of concrete gutters of landing and take-off strips. V. S. Segal, M. P. Riazov. Avi. dor. 26 no. 2:10-11 F '63.

"Using solid concrete to support vertical mine shafts" by IU. Z. Zaslavskii. Reviewed by Kh. I. Abramson. Ugol' Ukr. 7 no. 4:45-46 Ap '63.

CONCRETE CONSTRUCTION—EQUIPMENT AND SUPPLIES

Concrete leveler. A. M. Shehegal. Mekh. stroi. 20 no. 4:24-25 Ap '63.

Concrete placer. G. I. Bort, A. F. Gaevoi, A. I. Khokhlov. Mekh. stroi. 20 no. 4:25-26 Ap '63.

CONCRETE CONSTRUCTION—ESTIMATES

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Indices of the estimated cost and consumption of resources; structures for reclamation construction and for fish culture reclamation construction] Pokazateli smetnoi stolimosti i raschoda resursov; sooruzheniia meliorativnogo i rybovodno-meliorativnogo stroitel'stva. Uverzhdeny Gosudarstvennym komitetom Soveta Ministrov SSSR po delam stroitel'stva 9 avgusta 1962 g. Moskva, Gosstroizdat, No. 2, 1962. 172 p.

CONCRETE MIXERS

Improving the production and quality of foamed concrete by using a new type of foamed-concrete mixer. V. S. Zlatov, N. B. Dzhubarov. Stroi. mat. 8 no. 3:39-40 Mr '63.

CONCRETE PAVEMENTS see Pavements, Concrete

CONCRETE PIPE see Pipe, Concrete

CONCRETE PLANTS see subdivision under Kharkov

CONCRETE PLANTS—EQUIPMENT AND SUPPLIES

Automatic unit for molding three-dimensional room units by means of grouting. S. S. Atacov, N. P. Bleschchik. Mekh. stroi. 20 no. 4:6-8 Ap '63.

Unit for the production of cement-sand tile. IU. F. Rozenblat. Mekh. stroi. 20 no. 4:28 Ap '63.

CONCRETE PLANTS—SAFETY MEASURES

Novikov, B. A. [Handbook on accident prevention for workers in the production of foamed and air-entrained concrete] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri proizvodstve peno- i gazobetona. Moskva, Gosstroizdat, 1962. 31 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

CONCRETE PRODUCTS—STANDARDS

"Concrete products and silicate brick." Blul. stroi. tekhn. 20 no. 4:4-6 Ap '63.

CONCRETE REINFORCEMENT

Mechanized line for the production of reinforcement columns. Stroi. i arkhit. Len. 25 no. 4:24-25 Ap '63.

Production of St. 5ps semikilled steel for concrete reinforcements. L. A. Alym and others. Stal' 23 no. 4:320-321 Ap '63.

CONCRETE REINFORCEMENT—STANDARDS

Reinforcement for reinforced concrete elements. Blul. stroi. tekhn. 20 no. 4:31-34 Ap '63.

CONCRETE REINFORCEMENT—WELDING

Electric slag welding of reinforcement rods with fixed equipment in the plant and with portable equipment during assembly operations. I. A. Degtiarev. Avtom. svar. 16 no. 4:55-62 Ap '63.

Resistance of welded butt joints in large diameter 35GS steel reinforcement rods. A. I. A. Bredskii, V. I. Loshchilov. Avtom. svar. 16 no. 3:28-33 Mr '63.

CONCRETE ROOFING see Roofing, Concrete

CONCRETE SLABS

Installation of brackets for radiators and fastenings of sanitary devices on wall slabs. S. I. Penkin, Vod. i san. tekhn. no. 4:36 Ap '63.

Mechanization of the finishing of ceiling surfaces (undersides) of hollow floor slabs. P. K. Batat'ev, IA. L. Kaplanskii. Mekh. stroi. 20 no. 4:4-6 Ap '63.

CONCRETE SLABS—STANDARDS

Reinforced concrete 3X6 m. slabs for large-panel construction. *Biul.stroi.tekh.* 20 no.3:35-36 Mr '63.

CONDENSATION

Effect of the sublayer temperature and the layer thickness on the structure of blamuth condensates. L.S. Palatnik, V.M. Kosevich, I.U. G. Litvinenko. *Fiz.met.i metalloved.* 15 no.3:371-378 Mr '63.

CONDENSATION PRODUCTS (CHEMISTRY)

Condensation of absolute methyl ethers of phenols with formaldehyde. I.P. Uvarov. *Sbor.trud.TSNILKHI* no.14:35 '61.

CONDENSERS (ELECTRICITY)

Dynamic condenser for studying variations in the surface potential. O.M. Artamonov, R.I.A. Berlaga, Prib.i tekhn. 8 no.2:151-152 Mr-Apr '63.

Use of saturable reactors in compensating devices with static condensers. N.D. Toroptsev. *Izv.vys.ucheb.zav.; elektromekh.* 6 no.2:263-268 '63.

CONDENSERS (STEAM)

Condensers of large steam turbines. L.D. Berman. *Teplotenergetika* 10 no.3:82-87 Mr '63.

CONDITIONED RESPONSE

Effect of external stimuli of various strength and duration on a delayed conditioned reflex. P.D. Kharchenko. *Visnyk Kyiv.un.no.2.Ser.biolo.* no.1:129-142 '59.

Gambarian, L.S. [Physiological methods for research on higher nervous activity] *Fiziolicheskie metodiki issledovaniia vysshego nervnoi delatel'nosti.* Erevan, Izd-vo AN Armianskoi SSR, 1963. 257 p.

Gedevanishvili, D.M. [Problems of higher nervous activity - conditioned reflexes - at the 21st International Congress of the Physiological Sciences] *Voprosy vysshego nervnoi delatel'nosti - uslovnykh reflektorov - na XXI Mezhduнародnom kongresse fiziologicheskikh nauk.* Tbilisi, Gos. Izd-vo "Sakchola Sakartvelo," 1960. 48 p. illus. [Text in Russian and French] (CU)

New data on conditioned inhibition in the green crab *Carcinus menas*. A.I.A. Karas'. *Nauch.dokl.vys.shkoly; biol.nauki* no.2:87-93 '63.

Probability prognosis in brain functioning [with summary in English]. I.M. Feigenberg. *Vop.psikhol.* 9 no.2:59-67 Mr-Apr '63.

Restoration of delayed conditioned reflexes after an interruption in training. P.D. Kharchenko. *Visnyk Kyiv.un.no.3.Ser.biolo.* no.1:148-162 '60.

Temperature as unconditioned stimulus in the study of galvanic skin reactions caused by conditioned reflexes. Jan. Strelau. *Vop.psikhol.* 9 no.2:158-160 Mr-Apr '63.

CONDUCTING

Art of conducting in our times. I.Markevitch. *Sov.muz.* 27 no.1:92-94 Ja '63.

Conductor, orchestra, score. I.Markevitch. *Sov.muz.* 27 no.2:75-78 F '63.

CONDUCTOMETRIC ANALYSES

Potentiometric measurements in various media. S.T. Bezverkova and others. *Dokl.AN SSSR* 148 no.4: 881-883 F '63.

CONE

Normal triangulations of a convex cone. B.A. Venkov, B.B. Venkov. *Izv.AN SSSR.Ser.mat.* 27 no.2:367-396 Mr-Apr '63.

CONFECTIONERY

(see also subdivision under Tigs; Tallinn)

Concerning G.V. Annenkov and V.A. Abaidulina's article "Methods for determining the level of mechanization in confectionery enterprises." S.Kh. Kertman. *Khleb.i kond.prom.* 7 no.4:40 Ap '63.

Delivery of raw materials and semiprocessed products to confectionery factories (from "Confectionery Manufacture, no.5, 1961). M.N. Serebriakov. *Khleb.i kond.prom.* 7 no.4:37-38 Ap '63.

Mechanization of the conveying of raw materials and semifinished products in the manufacture of halva. M.M. Shekhter. *Khleb.i kond.prom.* 7 no.4:23-26 Ap '63.

Studying the mixing process in halva preparation. V.N. Vel'tishchev and others. *Khleb.i kond.prom.* 7 no.4: 3-6 Ap '63.

Use of corn in the confectionery industry. G.M. Kulichenko. *Khar.prom.* no.1:62-66 Ja-Mr '63.

CONFECTIONERY—EQUIPMENT AND SUPPLIES

Apparatus for the preparation of sirups, cream pastes and jams. V.I. Novikov, V.A. Miloslavskii. *Khleb.i kond.prom.* 7 no.4:26-27 Ap '63.

Automatic regulation of temperature conditions in the candy molding section. I.S. Lur'e, S.A. Obruchkov, A.N. Iagubets. *Khleb.i kond.prom.* 7 no.4:6-9 Ap '63.

CONGLOMERATE

Kotlar, V.N., and others. [Uranium in ancient conglomerates] *Uran v drevnykh konglomeratakh.* [By] A.I. Bezgudov i dr. Pod red. V.N. Kotlars. Moskva, Gosatomizdat, 1963. 187 p.

CONGO—FORESTS AND FORESTRY

The forests of the Congo; to be continued [with English summary in insert, p.4]. D.Bystroletov. *Az.i Afr.* seg. no.4:41-45 Ap '63.

CONGO—VIEWS

The Congo and the Congolese. N.Khokhlov. *Sov.foto* 23 no.2:23-24 F '63.

CONGRUENCES AND RESIDUES

Equiaffine invariant nonholonomic congruences of a linear complex. R.N. Shcherbakov. *Mat.sbor.* 60 no.2:131-158 F '63.

CONFERRAE

(see also subdivision under Volynsky District) Germinating force and vigor of coniferous seeds as related to their color. V.I. Abramova, A.M. Solov'eva. *Trudy Ural.lesotekh.inst.* no.17:97-98 '60.

Mechanization of the gathering of coniferous seeds. E.N. Shakhov. *Les.khoz.* 16 no.1:51-55 Ja '63.

CONJUNCTIVITIS, GRANULAR

Feldsher and obstetric station for the control of trachoma. Nafisa Il'iasova. *Zdrav.Turk.* 7 no.2:42-44 F '63.

CONNECTIVE TISSUES

Effect of balneological factors of the Kemerli Health Resort on the elements of connective tissues. M. Petersone, V. Demidova. *Izv.AN Latv.SSR* no.2: 98-99 '63.

Effect of ultrasonic waves of relatively low intensity on areolar tissue. A.P. Speranskii, I.L. Martaveladze, Vop.kur., fizioter.i lech.fiz.kul't. 20 no.1:60-66 '63.

Quantitative changes in the formed elements of the blood and connective tissues, and blood serum proteins in M-1 sarcoma depending on the growth intensity of the tumor [with summary in English]. V.Rudzikite. *Izv.AN Latv.SSR* no.2:85-85 '63.

CONSCIOUSNESS

Consciousness and matter. A.I. Iemchenko. *Visnyk Kyiv.un.no.3.Ser.biolo.* no.1:3-9 '60.

CONSERVATION OF NATURAL RESOURCES

(see also subdivision under Armenia; Carpathian Mountains; Khmel'nitsky Province)

Green friend of the people. A. Plonkova's'kyi. *Doshk.vykh.* 24 no.3:30 Mr '63.

Man is the master of earth. S. Kononov. *IUn.mat.* no.3:1-3 Mr '63.

Students conserve nature. K.N. Blagosklonov. *Biol.v shkole* no.2:66-68 Mr-Apr '63.

Student participation in the conservation of nature. L.I. Vinnichenko. *Biol.v shkole* no.2:71 Mr-Apr '63.

CONSERVATION OF NATURAL RESOURCES—CONGRESSES

All-Union Conference on the Protection of Nature. L.A. Aiforov. *Les.khoz.* 16 no.1:80-70 Ja '63.

Conference of the Executive Committee of the International Union for the Protection of Nature. L.K. Shaposhnikov. *Okhr.prirod.i zapov.delo v SSSR* no.7:133-140 '62.

Conservation of natural resources in the center of public attention. K.M. Efron. *Priroda* 52 no.3:110-111 '63.

Let's guard and multiply the natural resources of our land. *Priroda* 52 no.3:61-62 '63.

Third Congress of the All-Russian Society for the Conservation of Nature. I.U. Sokolov. *Biol.v shkole* no.2:89 Mr-Apr '63.

CONSERVATION OF NATURAL RESOURCES—STUDY AND TEACHING

Explanatory note on the general program of a course in the protection of nature. L.K. Shaposhnikov. *Okhr.prirod.i zapov.delo v SSSR* no.7:141-142 '62.

General program of a course in the protection of nature. *Okhr.prirod.i zapov.delo v SSSR* no.7:143-147 '62.

CONSERVATORIES OF MUSIC see subdivision under Leningrad

CONSTRUCTION EQUIPMENT

(see also subdivision under Voronezh Province)

Analysis of and outlook for future development of turbo-transmissions building machines. A.I. Voshehinin. *Sbor.trud.MISI* no.39:350-354 '61.

Assignments for developing methods of automation for construction. O.V. Monastyrskii. *Mekh.stroi.* 20 no.5:24-25 My '63.

Great problems of small machinery. M. Bukhalov. *Na stroi.Ros.* 4 no.4:32 Ap '63.

[Principles of mechanization in construction work] *Osnovy mekhanizatsii stroitel'nykh rabot.* [By] P.T. Frolov, P.S. Grinkevich, S.F. Efimov. Moskva, Vysshaya shkola, 1962. 299 p.

Theoretical estimate of the longevity of building machines. K.P. Chudakov. *Sbor.trud.MISI* no.39:441-447 '61.

Toward new achievements! *Mekh.stroi.* 20 no.5:2 of cover-1 My '63.

Way to increase precision in the work of assembly equipment. M.I.A. Egnus. *Mekh.stroi.* 20 no.5:17-20 My '63.

CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR

Devices for twisting out cotter pins and pressing out bushing. A.A. Suranichev. *Mekh.stroi.* 20 no.5:21-22 My '63.

Experience in the operation of mechanical equipment and repairing with interchangeable parts in a large construction organization. M.I.A. Egnus. *Sbor.trud.MISI* no.39:450-460 '61.

Washing installation. L.I.A. Lutenko. *Mekh.stroi.* 20 no.4:23-24 Ap '63.

CONSTRUCTION EQUIPMENT—PERIODICALS

From the pages of foreign periodicals. *Mekh.stroi.* 20 no.5:3 of cover My '63.

From the pages of Soviet periodicals; January, 1963. *Mekh.stroi.* 20 no.4:20-30 Ap '63.

From the pages of foreign periodicals. *Mekh.stroi.* 20 no.4:30 Ap '63.

From the pages of Soviet periodicals. *Mekh.stroi.* 20 no.5:31-32 My '63.

CONSTRUCTION EQUIPMENT—SAFETY MEASURES

Vishnevskii, D.B., A.M. Gonin, and G.I. Levinskii. [Accident prevention in the operation of construction equipment] *Tekhnika bezopasnosti pri rabote na stroitel'nykh mashinakh.* Baku, Azernezh, 1962. 145 p.

CONSTRUCTION EQUIPMENT—TESTING

Dynamic processes in the operations of machines for construction and strip mining and comprehensive methods of studying them. S.A. Pankratov. *Sbor.trud.MISI* no.39:186-180 '61.

CONSTRUCTION INDUSTRY

(see also subdivision under Archangel; Karaganda; Leningrad; Minsk; Moscow; Uzbekistan; White Russia)

"Economics of construction." Book review 15/11. *Poln.samoobr.* 7 no.3:127-128 Mr '63.

Experimental index of the volume of construction production. A. Roishtein, V. Chekmazova. *Ekon.stroi.* no.4:13-20 Ap '63.

For a broad exchange of advanced experience. *Stroi.arkhit.* Len. 26 no.4:1 Ap '63.

For close relations between research and construction practice. G.D. Pedler. *Ekon.stroi.* no.4:73 Ap '63.

In the Board of the Ministry. *Transp.stroi.* 13 no.3: 63-64 Mr '63.

In the State Committees on Construction and Ministries of the Republics of the Union. *Biul.stroi.tekh.* 20 no.4:30-38 Ap '63.

In the State Committee on Construction of the R.S.F.S.R. *Biul.stroi.tekh.* 20 no.3:43-44 Mr '63.

In the State Committee on Construction of the R.S.F.S.R. *Na stroi.Ros.* 4 no.4:30 Ap '63.

In the State Committee on Construction of the U.S.S.R. *Biul.stroi.tekh.* 20 no.4:36-30 Ap '63.

In the State Committee on Construction of the U.S.S.R. *Biul.stroi.tekh.* 20 no.3:41-43 Mr '63.

In the Technical Council. *Transp.stroi.* 13 no.3:94 Mr '63.

In the Technical Council. *Transp.stroi.* 13 no.4:76 Ap '63.

International system of units and its application in designing and construction. L. Stetski, N. Katsenikov. *Ekon.stroi.* no.4:55-59 Ap '63.

Letters to the editor. *Ekon.stroi.* no.4:71-72 Ap '63.

Rapid development of the construction industry. I. Korovaitsev. *Agitator* no.14:13-18 JI '62.

Technical information. *Stroi.arkhit.* Mosk. 11 [i.e. 12] no.4:35 Ap '63.

Technology abroad. *Na stroi.Ros.* 4 no.4:20 Ap '63.

They have fulfilled their assignment for the seven-year plan. *Transp.stroi.* 13 no.4:16-18 Ap '63.

They write to us. I.A. M. Kotovskii, V.I. Drodov, V.D. Malkuta. *Transp.stroi.* 13 no.4:76-77 Ap '63.

They write to us. S.B. Khaikin, I.E. Raikhan. *Transp.stroi.* 13 no.3:82 Mr '63.

Ways of further improving construction. E.G. Strzhal-kovskii. *Stroi.arkhit.* Len. 24 no.12:13-14 D '62.

We will fulfill the plan of the fifth year of the seven-year plan ahead of schedule. *Transp.stroi.* 13 no.4:1-3 Ap '63.

CONSTRUCTION INDUSTRY—ACCOUNTING

Using consolidated calculations. I.U. N. Rakhmanov. *Stroi.arkhit.* Len. 24 no.12:2-3 D '62.

CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

see subdivision under Novomoskovsk District (Tula Province)

CONSTRUCTION INDUSTRY—BIBLIOGRAPHY see Bibliography—Construction Industry

CONSTRUCTION INDUSTRY—CONGRESSES

Conference of readers of "Biulleten' Stroitel'noi Tekhniki." *Biul.stroi.tekh.* 20 no.4:3 of cover Ap '63.

CONSTRUCTION INDUSTRY—COSTS

(see also subdivision under Ukraine)

"Construction costs and ways to reduce them" by V. V. Uspenskiy. Reviewed by M. Balikhin. *Ekon. stroi.* no. 4:89-71 Ap '63.

Improving the system of establishing norms for overhead costs in construction. I. Borovkov and others. *Ekon. stroi.* no. 4:48-55 Ap '63.

"Planning costs in construction" by A. N. Vinogradov. Reviewed by A. Katsin, D. Proferansov. *Fin. SSSR* 37 no. 4:91-93 Ap '63.

CONSTRUCTION INDUSTRY—FINANCE

(see also subdivision under Ukraine; Uzbekistan)

Answers to questions on issuing credit for housing construction. D. Pudikov. *Fin. SSSR* 37 no. 4:82-83 Ap '63.

Determining the economic effectiveness of introducing new technology in construction work. L. A. Vaag. *Sbor. trud. MISI* no. 30:31-36 '61.

Finances of house-building combines. R. Belkina, A. Zak. *Fin. SSSR* 37 no. 3:34-37 Mr '63.

Improving the planning of construction in the R. S. F. S. R. V. Solomin. *Ekon. stroi.* no. 4:8-13 Ap '63.

Organization of finance in construction and assembly contracting organizations. I. Sher. *Fin. SSSR* 37 no. 3:47-54 Mr '63.

Problems in approving title records for construction projects. *Ekon. stroi.* no. 4:68-69 Ap '63.

Procedure for approving title records for newly started construction projects. *Biul. stroi. tekhn.* 20 no. 4:3-4 Ap '63.

CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY

(see also subdivision under Krasnoyarsk)

Lowering the labor input required in finishing work is an important potential for reducing labor costs in large-panel construction. P. M. Aminov, P. Kh. Tershechukov. *Izv. vys. ucheb. zav. stroi. i arkh.* 6 no. 3:150-153 '63.

CONSTRUCTION INDUSTRY—MANAGEMENT

(see also subdivision under Belgorod; Sverdlovsk)

At the meeting of the Academic Council of the Scientific Research Institute of Construction Economics of the U. S. S. R. *Ekon. stroi.* no. 4:61-63 Ap '63.

Improve planning in construction to meet new tasks. *Ekon. stroi.* no. 4:3-7 Ap '63.

Improving the administration of capital construction. *Biul. stroi. tekhn.* 20 no. 3:3-5 Mr '63.

"Operations planning and control. Basic regulations and rules." *Biul. stroi. tekhn.* 20 no. 3:24-25 Mr '63.

"Organization of the management of material and equipment. Basic regulations." *Biul. stroi. tekhn.* 20 no. 3:23-24 Mr '63.

Solomin, V. V. [Plan is construction's law] *Plan - zakon stroitel'stva*. Moskva, Gosstroizdat, 1961. 60 p. (V pomoshch' ekonomicheskoy obrazovaniyu rabochikh, brigadirov i masterov-stroitelei)

Technological progress and improving the methods of economic work in construction. B. Ionas. *Vop. ekon.* no. 4:64-71 Ap '63.

CONSTRUCTION INDUSTRY—PRICES

For the further improvement of price determination in the construction industry. S. Efremov. *Ekon. stroi.* no. 4:43-48 Ap '63.

CONSTRUCTION INDUSTRY—PRODUCTION METHODS

(see also subdivision under Leningrad)

Antonov, N. A. [Houses cost less] *Doma obkhoditelskoy dshchevle*. [Moskva] Mosk. rabochii, 1963. 37 p. (Stroitel' obmenivatsia opytom)

Following the example of builders in Lugansk. V. Gurin. *Na stroi. Ros.* 4 no. 4:7-8 Ap '63.

"Organization of work. Basic regulations." *Biul. stroi. tekhn.* 20 no. 3:22-23 Mr '63.

Ways to eliminate some faults in large-panel housing construction. P. V. Priyolov. *Izv. vys. ucheb. zav. i stroi. i arkh.* 6 no. 3:54-60 '63.

Zeleney, V. E. [On building scaffolds] *Na stroitel'nykh lesakh*. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 13 p. (Tvortsy semiotki)

CONSTRUCTION INDUSTRY—SAFETY MEASURES

As it should not be... V. Vasil'ev. *Okhr. truda i sots. strakh.* 6 no. 3:27 Mr '63.

...It could have been avoided. N. Podlazarov. *Okhr. truda i sots. strakh.* 6 no. 3:20 Mr '63.

CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

Material incentives for the creation and introduction of new equipment. I. G. Isakovskiy. *Transp. stroi.* 13 no. 4:44-46 Ap '63.

CONSTRUCTION WORKERS

(see also subdivision under Kemerovo Province; Novokuznetsk; Soligorsk; Vladimir; Zhdanov)

Mamakan, the sister of Bratsk. V. Pavlov. *Ogonek* 41 no. 13:12-13 Mr '63.

Maturity test. Viktor Sak. *Smena* 40 no. 9:2 of cover, 1-3 My '63.

Special problems concerning the labor rights of collective farmers assigned to work in interfarm construction enterprises. A. H. Novikau. *Vestsi AN BSSR, Ser. hram. nav.* no. 1:24-33 '63.

CONSTRUCTION WORKERS—EDUCATION AND TRAINING

see subdivision under Bratsk

CONTAINER INDUSTRY

see subdivision under Krasnoyarsk

CONTAINERS

Economy of wood in the production and use of wooden containers. F. I. A. Kovalev. *Nauch. zap. VLTi* 28:71-76 '62.

Significance of economic work in reducing marketing costs. Kh. Daminov. *Koop. Kazakh.* 5 no. 11:48-51 N '62.

CONTAINERS—ABSTRACTS

[Container shipments and the interaction of various types of transportation] *Ref. zhur. : Vzaimodels. raz. vid. transp. i kont. porev.* no. 5 My '63.

CONTINUED FRACTIONS

see Fractions, Continued

CONTRACTS

Invalidation of unlawful contracts according to the "Basic Principles of Civil Law." I. Tashker. *Rad. pravo* no. 3:62-64 My-Je '62.

CONTRACTS, AGRICULTURAL

Contracts covering agreement to deliver agricultural produce. M. Bobrov. *Rad. pravo* no. 2:72-80 Mr-Ap '63.

CONTRACTS, MARITIME

Maritime contracts. B. Riabinsk'iy. *Rad. pravo* no. 3:118-120 My-Je '62.

Responsibility of contracting parties for the execution of freightage by liner contracts. G. E. Brukhiz. *Inform. sbor. TSNIIMF* no. 76. *Mor. pravo i prak.* no. 17:14-18 '62.

CONTRACTUAL PENALTIES

see Penalties, Contractual

CONTRACTURE

Permanent flexions of the hand and fingers following burns; experience from 200 operations [with summary in English in insert]. I. V. Matev. *Ortop., travm. i protez.* 23 no. 11:21-26 N '62.

CONVERTERS

Designing an induction converter with a movable short-circuited loop. V. I. A. Edush, M. A. Nabiev. *Izm. tekhn.* no. 8:50-53 Ag '62.

Experiments on the conversion of phosphorous pig iron in a pilot plant oxygen converter. E. M. Ogryzkin. *Met. i gornorud. prom.* no. 1:13-18 Ja-F '63.

Investigating causes of metal spilling from converters during the blow. I. U. S. Rashetnikov. *Met. i gornorud. prom.* no. 1:22-24 Ja-F '63.

CONVEYING MACHINERY

(see also subdivision under Chlo; Germany, East)

"Conveyor system for the transportation of piece goods" by N. P. Ikhnov, M. E. Zyryanov, and G. A. TSirkunov. Reviewed by L. G. Chernyavskiy. *Masl. -zhir. prom.* 20 no. 3:42-43 Mr '63.

Conveyor with an apron-type marine chain. V. A. Ruchkin. *Spr. prom.* 20 no. 3:40-41 '63.

Conveyor with automatic feed of semifinished products to worker stations. V. V. Isaev. *Shvein. prom.* no. 1:7-10 Ja-F '63.

Experimental use of belt conveyors. A. V. Anikeev. *Met. i gornorud. prom.* no. 1:53-56 Ja-F '63.

Fluctuations in the speeds of the pulling chains of multi-bucket excavators and conveying machines. G. Frost. *Sbor. trud. MISI* no. 30:341-340 '61.

Ground rope conveyor of the shuttle type. A. M. Dovgal'skiy. *Teket. prom.* no. 2:74-77 F '63.

Hoisting devices in a system of push conveyors. I. P. Utkin. *Avi. prom.* 28 no. 6:38-39 Je '62.

Kaspar, M. A. [Mechanization of the conveying and feeding of parts by means of vibratory devices] *Mekhanizatsiya transportirovki i zagruzki detalей vibratsionnymi ustroystvami*. Minsk, Gos. izd-vo BSSR, 1962. 78 p.

Kononov, V. S., and S. A. Stefanenko. [Mechanization and automation of intrafactory transportation in machinery plants] *Mekhanizatsiya i avtomatizatsiya vnutrizavodskogo transporta mashinostroitel'nykh zavodov*. Moskva, TSINTIMASH 1961. 68 p.

Kopylov, N. G. [Theory of shaking conveyors] *Teoriya kachatishchikh konveierov*. Moskva, Mashgiz, 1963. 126 p.

New designs for belt conveyors. V. A. Agush'ev, I. R. Gladyshev. *Ugol* 38 no. 4:44-45 Ap '63.

Prerequisites for introducing conveyors in the mining of Czechoslovak brown coals. K. Kubec. *Sbor. trud. MISI* no. 30:417-421 '61.

Principles of technological layouts for open-pit mines using conveyor haulage exclusively. N. V. Mel'nikov, K. E. Vintitskiy, M. G. Potapov. *Nauch. soob. IGD* 11:3-16 '61.

Pusher conveyors in automatic lines for machining turning cars of motor vehicles. E. A. Sosnovskiy. *Avi. prom.* 28 no. 5:39-40 My '63.

Removal of dust from air sucked out of the housings of underground belt conveyors. I. U. F. Kozhemiaka. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:98-104 '62.

Selecting optimal parameters for shaking conveyors with the help of an electron model. E. A. Aganovskaya, I. I. Blekman. *Obog. rud* 7 no. 5:40-44 '62.

Shortcomings in the performance of electrovibration feeders and methods to remove them. A. I. Makarov, A. S. Zhgulev. *Obog. rud* 7 no. 3:58-59 '62.

State of, problems in, and the outlook for developing conveyor transportation in open-pit mines of the U. S. S. R. A. O. Spivakovskiy. *Sbor. trud. MISI* no. 39:378-380 '61.

Studying aspiration on a laboratory unit for materials-handling places. O. D. Neikov, E. N. Boshniakov. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:145-155 '62.

Tubular belt conveyor. M. N. Torbovets, A. S. Shteinberg. *Mekh. stroi.* 20 no. 5:22-23 My '63.

Using the method of radioactive tracers for determining the speed of material displacement in conveying worms. S. I. Bril', G. A. Klislin. *Vest. mashinostr.* 43 no. 4:30-31 Ap '63.

COOK, JAMES, 1728-1778

Chukovskiy, N. K. [The captains of frigates; a book about great navigators] *Voditeli fregatov; kniga o velikikh moreplavatelakh*. Moskva, Gos. izd-vo detskoi lit-ry, 1959. 478 p. (Shkol'naya biblioteka) (CU)

COOKERY

Advice to the cook. M. Dzhabupuev, V. Litovskiy, V. Ermolaev. *Obshchestv. pit.* no. 1:22-23 Ja '63.

Advice to the cook. *Obshchestv. pit.* no. 2:35-36 F '63.

Advice to a cook. *Sov. potreb. koop.* 7 no. 2:60 F '63.

Cookery. *Rab. i stal.* 39 no. 2:23 F '63.

From the cook's notebook. L. Ivanova. *Obshchestv. pit.* no. 2:37 F '63.

From the cook's notebook. N. Kovalev, K. Kapustin, R. Slutskiy. *Obshchestv. pit.* no. 1:24 Ja '63.

Let us prepare for the holiday! *Rab. i stal.* 39 no. 4:23 Ap '63.

Methods for determining the coloring of hot frying fat. I. Movshovich. *Obshchestv. pit.* no. 1:10-10 Ja '63.

Recipes for home cookery. E. Oganezova. *Obshchestv. pit.* no. 1:62-63 Ja '63.

Recipes for home cooking. *Obshchestv. pit.* no. 2:59-60 F '63.

COOKERY (BEANS)

Cookery of mung beans and cowpeas. *Obshchestv. pit.* no. 2:40-41 F '63.

COOKERY (SEA FOOD)

Recipes for mussels cooking. M. Ufand. *Obshchestv. pit.* no. 2:38-39 F '63.

COOKERY, ROMANIAN

From "One hundred and twenty dishes made from potatoes" by A. Elenescu. V. Zolotarev. *Obshchestv. pit.* no. 1:16 Ja '63.

COOKERY, UKRAINIAN

Ukrainian cookery. *Obshchestv. pit.* no. 1:25-26 Ja '63.

COOPERATIVE EDUCATION

see Education, Cooperative

COOPERATIVE SOCIETIES

(see also subdivision under Alma-Ata; Cherkassy Province; Dzhambul Province; India; Kazakhstan; Kokchetav Province; Krasnodar Territory; Kurday; Naryn; North Kazakhstan District; Solo-Tyube; Sumy District; Shymkent District; Shymkent District; Solo-Tyube; Sumy District; Ust-Ilyuzhskiy District)

Cooperative societies abroad. *Sov. potreb. koop.* 7 no. 2:48 F '63.

Editor's mail. A. Lositskiy and others. *Sov. potreb. koop.* 7 no. 2:26-28 F '63.

Every cooperative society worker should have a knowledge of economics. S. Vasil'ev. *Sov. potreb. koop.* 7 no. 2:48-52 F '63.

Every enterprise should introduce economy. V. Fufygin. *Sov. potreb. koop.* 7 no. 2:22-23 F '63.

Experimental procedure for issuing credit to consumer cooperatives to finance the turnover of goods. Z. Fatkulina. *Den. i kred.* 21 no. 4:40-45 Ap '63.

Let's carry out the decisions of the November Plenum of the Central Committee of the CPSU. N. Mukhlidinov. *Sov. potreb. koop.* 7 no. 2:1-6 F '63.

The plan as a work basis of cooperative societies. G. Blank. *Sov. potreb. koop.* 7 no. 2:53-57 F '63.

Vinogradov, V. I., I. A. Kaminskii, and G. A. Ozerova. [Organization and techniques of Soviet cooperative trade] *Organizatsiya i tekhnika sovetskoi kooperativnoi trgovli*. Pod obshchey red. S. G. Sidenko. Moskva, Izd-vo TSentrposluzha, 1961. 606 p. (CU)

We need a handbook for planners. A. Ivanov. *Sov. potreb. koop.* 7 no. 2:44 F '63.

- COOPERATIVE SOCIETIES—ACCOUNTING**
Time to understand it. F. Nisnevich. Sov. potrebn. koop. 7 no. 2:43 F '63.
- COOPERATIVE SOCIETIES—AUDITING AND INSPECTION** see subdivision under Bol'she-Narymskoye
- COOPERATIVE SOCIETIES—COSTS** see subdivision under Kazakhstan
- COOPERATIVE SOCIETIES—FINANCE**
Improve the financing of capital expenditures of consumer cooperatives. V. Petrov. Den. i kred. 21 no. 4: 50-52 Ap '63.
Let's improve the planning of overhead expenses. P. Shul'ak. Sov. potrebn. koop. 7 no. 2:40-43 F '63.
- COOPERATIVE SOCIETIES—TAXATION** see subdivision under White Russia
- COORDINATES** see subdivision under Enderby Land
- COPPER**
(see also subdivision under Perm Province)
Investigation of high-temperature oxidation of copper. E. I. Krupnikova-Perlina. Fiz. i metalloved. 15 no. 3:381-395 Mr '63.
Temperature dependence of the activation energy of the second and third levels of copper in germanium. I. U. L. Ivanov. Fiz. i metalloved. 15 no. 4:1217-1218 Ap '63.
- COPPER—ANALYSIS**
Complexometric determination of copper in alloys in the presence of 7-(2-pyridylazo)-8-hydroquinoline [with summary in English]. A. I. Busev, V. M. Ivanov, L. L. Talipova. Zhur. anal. khim. 18 no. 1:33-36 Ja '63.
- COPPER—METALLOGRAPHY**
Investigating the substructure of copper annealed at various temperatures. L. M. Rybakova, S. Z. Ermol'chik. Fiz. i metalloved. 15 no. 3:439-443 Mr '63.
- COPPER—WELDING**
Crack formation during the welding of copper containing bismuth. I. U. M. Korenuk. Avtom. svar. 16 no. 4: 24-26 Ap '63.
Detachability of the slag crust in copper welding under a silicate flux. I. U. M. Korenuk. Avtom. svar. 16 no. 3:40-44 Mr '63.
- COPPER—ALUMINUM ALLOYS—METALLOGRAPHY**
Temperature dependence of the short-range order in Cu-Al solid solutions. V. E. Panin and others. Fiz. i metalloved. 15 no. 2:264-268 F '63.
- COPPER—ANTIMONY—SELENIUM ALLOYS**
Some properties of CuSbSe₂ single crystals. G. B. Abdullaev and others. Trudy Inst. fiz. AN Azerb. SSR 11:42-45 '63.
- COPPER COMPOUNDS**
Derivatives of diacetylthiosemicarbazone oxime with copper (II). A. V. Ablov, N. I. Belichuk. Zhur. neorg. khim. 8 no. 3:612-616 Mr '63.
- COPPER CRYSTALS—GROWTH**
Growth of crystals in the recrystallization of copper. I. P. Kaverkin. Trudy GPI [Gruz.] no. 8:137-139 '61.
- COPPER ELECTRODES** see Electrodes, Copper
- COPPER IN THE BODY**
Effect of thermal skin burns on the copper and manganese content of the liver and blood. V. R. Soroka. Khim. khir. no. 5:20-22 My '62.
- COPPER MINES AND MINING**
(see also subdivision under Chile; Kazakhstan)
Moscow. Tsentral'nyi institut informatsii i tekhnik metal-burgii. [Copper industries in capitalist countries] Mednaya promyshlennost' kapitalisticheskikh stran. Moskva.
Pt. 1. [Mining and treatment of copper ores] Doby-cha i obogashchenie mednykh rud. 1962, 171 p.
[MICROFILM]
- COPPER ORES**
(see also subdivision under Krasnoyarsk Territory)
Distribution of sulfide copper-nickel deposits. I. A. Korovnikov. Min. syr'e no. 5:20-35 '62.
Methods of separating lead-copper concentrates. K. G. Bakinov. Obog. rud. 7 no. 5:16-22 '62.
- COPPER OXIDES—SPECTRA**
Spectroscopic observation of excitation scattering in crystals. I. S. Gorban', V. B. Timofeev, E. F. Frolova. Fiz. i metalloved. 15 no. 4:977-981 Ap '63.
- COPPER SALTS**
Double diazonium salts of monovalent copper. L. A. Kazit'yna and others. Izv. AN SSSR, Otd. khim. nauk no. 3:562-563 Mr '63.
Spectrophotometric study of the reactions of anabasine with cupric chloride, bromide, and nitrate. O. I. Granitova. Uzb. khim. zhur. 7 no. 1:34-39 '63.
- COPPER SULFIDES**
Mechanism of reactive diffusion in the system copper-sulfur. A. Briukman, S. Mrovels, T. Verber. Fiz. i metalloved. 15 no. 3:362-370 Mr '63.
- COPTIC LANGUAGE—WORD ORDER**
Conjunction and the agreement of appositions with attributes in the Coptic language [with summary in French]. A. I. Elanskaja. Krat. soob. Inst. nar. Az. no. 46:80-103 '62.
- CORALS, FOSSIL** see subdivision under Kazakhstan
- CORCHOROSIDE**
Reports on new methods of research, diagnosis, and treatment. G. Ul'ianova. Kardiologiya 2 no. 3:88-89 My-Je '62.
- CORDIERITE**
Dielectric loss and the permeability of vitreous crystalline materials of the cordierite system. M. D. Mashkovich. Fiz. i metalloved. 15 no. 3:843-850 Mr '63.
- COREMAKING**
Coremaking with solidification in hot boxes. B. V. Baburakhin, G. I. Bobrakov, V. A. Pavluk. Lit. proizv. no. 4: 6-7 Ap '63.
Making cores in heated core boxes. K. L. Sheherbakov. Avt. prom. 28 no. 6:45-47 Je '62.
New SKT-10 oil-free core binder. I. I. Naumov. Lit. proizv. no. 4:36-39 Ap '63.
- CORK**
Regeneration of cork on the trunks of growing birches. E. I. Adamovich. Bot. zhur. 48 no. 3:373-378 Mr '63.
- CORN (MAIZE)**
(see also subdivision under Kazakhstan; Krasnoyarsk Territory; Siberia, Western; Transbaikalia; Ukraine)
The "Belarus" tractor in corn loading. B. Kozmin, M. Belkov. Muk. elev. prom. 29 no. 1:25-26 Ja '63.
Conference of corn growers. E. A. Selina. Zemledolie 25 no. 1:92-94 Ja '63.
Effect of light conditions on the development of generative organs in corn. G. I. Kosobokov. Bot. zhur. 48 no. 3:379-383 Mr '63.
Effect of the number of kernels per cob on zeln accumulation in corn. A. N. Pavlov, E. G. Grinfeld. Bot. zhur. 48 no. 2:216-218 F '63.
Effect of the stimulation of corn seed on the activity of enzymes in stimulated plants. V. H. Chykalenko. Visnyk Kyiv. un. no. 2, Ser. biol. no. 1:51-57 '59.
"Giant ear of corn." I. U. nat. no. 3:9-12 Mr '63.
Paraffining of corn seeds. A. Novikov. Shkola i proizv. 7 no. 4:47 Ap '63.
Pay more attention to corn. Zashch. rast. ot vred. i bol. 6 no. 6:1-2 Je '61.
Production of malt from corn. T. N. Lavrishcheva, N. A. Emel'ianova. Khar. prom. no. 1:30-32 Ja-Mr '63.
[Reference book on corn] Spravochnik po kukuruze. Moskva, Sel'khozizdat, 1962, 519 p.
(DNAL)
Use of corn in the confectionery industry. G. M. Kulichenko. Khar. prom. no. 1:62-66 Ja-Mr '63.
- CORN (MAIZE)—DISEASES AND PESTS**
(see also subdivision under Rostov Province; Samarkand Province)
Centralized disinfection of seed corn. K. I. A. Kalashnikov. Zashch. rast. ot vred. i bol. 6 no. 11:21-23 N '61.
Protecting corn against the Swedish fly. N. A. Vikova. Zashch. rast. ot vred. i bol. 6 no. 6:37-38 Je '61.
Use of hexachlorocyclohexane with fertilizers in corn protection. I. G. Firsov. Zashch. rast. ot vred. i bol. 6 no. 6:32 Je '61.
- CORN (MAIZE)—FERTILIZERS AND MANURES** see subdivision under Krasnoyarsk Territory
- CORN (MAIZE)—FIELD EXPERIMENTS**
Corn on experimental lots. N. N. Petelina. Biol. v shkole no. 2:58-60 Mr-Apr '63.
- CORN (MAIZE)—HARVESTING**
(see also subdivision under Ukraine)
We are improving the efficiency of a corn harvesting combine. N. Dunai. Tekh. v sel'khoz. 23 no. 1:88 Ja '63.
- CORN (MAIZE)—VARIETIES** see subdivision under Tashkent Province
- CORN AS FEED**
Moscow. Vsesoyuznyi nauchno-issledovatel'skiy institut zhivoonovodstva. [Forage quality of corn] Kormovoe dostoinstvo kukuruzy. Pod red. M. F. Tommo. Moskva, Izd-vo M.-va sel'khoz. SSSR, 1959, 413 p.
(DNAL)
- CORN PRODUCTS**
Experience in the processing of corn for food products. I. E. Ivanov. Khar. prom. no. 1:47-48 Ja-Mr '63.
- CORNEA—WOUNDS AND INJURIES**
Fluorescence microscopy of damaged corneal epithelium. I. I. Orlova. Dokl. AN SSSR 148 no. 4:970-972 F '63.
- CORNICES**
Roof slab with a cornice. Stroitel'arkhit. Len. 25 no. 4: 25 Ap '63.
- CORNSTARCH**
Rapid method for determining fats in cornstarch products. A. A. Trukhacheva, B. A. Tanklaeva. Sakh. prom. 37 no. 3:56(216)-58(218) Mr '63.
Thickening of corn pulp in hydrocyclones. B. K. Ilyashin. Sakh. prom. 37 no. 3:62(222)-67(227) Mr '63.
- CORONA (ELECTRICITY)**
Corona discharge in gaps. V. D. Kravchenko, V. I. Ilyashov. Elektroenergetika no. 6:122-124 '62.
Interference caused by partial discharges on the insulators of 0.4 - 35 kv. electrical networks. V. V. Sarajkin. Elektrosvyaz' 17 no. 4:61-69 Ap '63.
Power losses due to corona during a rain. V. I. Ilyashov. Elektroenergetika no. 6:113-121 '62.
- CORONARY HEART DISEASE**
Comparison of some indices of fat metabolism in atherosclerotic coronary disease [with summary in English]. K. Heidemaria. Izv. AN Latv. SSR no. 2:114-118 '63.
Conference on the epidemiology of hypertension and coronary insufficiency. Kardiologiya 2 no. 3:93-95 My-Je '62.
Respiration, glycolysis, glycogen content and phosphorylase activity in the myocardium in coronary insufficiency [with summary in English]. U. A. Ent'ymovskaya. Ukr. biokhim. zhur. 34 no. 6:803-807 '62.
Significance of the anoxemia dosage test in the diagnosis of coronary insufficiency. B. Z. Akkerman. Kaz. med. zhur. no. 5:14-18 S-O '62.
Smol'yanikov, A. V., and T. A. Naddachina. [Problems of pathological anatomy and the pathogenesis of coronary insufficiency] Voprosy patologicheskoi anatomii i patogeneza koronarnoi nedostatochnosti. Moskva, Medgiz, 1963, 245 p.
(DNAL)
- CORONARY VESSELS**
Changes in the cardiac output, cardiac work and peripheral resistance in acute disorder of coronary circulation in normal and vagotomized animals [with summary in English]. A. V. Dolnik. Kardiologiya 2 no. 3:21-25 My-Je '62.
- CORONARY VESSELS—DISEASES**
(see also subdivision under Forzham)
Electrophoretic examination of the plasma protein fractions in coronary insufficiency [with summary in English]. N. V. Demidova. Kardiologiya 2 no. 3:76-82 My-Je '62.
Eritrit treatment of patients with chronic coronary insufficiency [with summary in English]. Sov. med. 25 no. 1:21-23 Ja '63.
Prolonged continuous anticoagulant treatment of patients with coronary insufficiency. Sov. med. 26 no. 1:53-103 Ja '63.
Treatment of chronic coronary insufficiency by intrasternal administration of novocaine [with summary in English]. G. S. Tikhonovich, E. I. Zaitseva. Kardiologiya 2 no. 3:84-86 My-Je '62.
Use of anticoagulants in the treatment of coronary circulation disorders. G. A. Kuzinov. Zdrav. Turk. 7 no. 2:0-10 F '63.
- CORPORATIONS—TAXATION** see subdivision under United States
- CORRESPONDENCE SCHOOLS AND COURSES**
Correspondence education needs even more attention. Vest. vys. shkoly. 21 no. 3:9-12 Mr '63.
- CORROSION AND ANTICORROSIVES**
Anticorrosive coatings of the internal surfaces of tanks used for the storage and processing of wine and juices; preliminary report. E. V. Zolov and others. Trudy MNIPP 2:43-55 '62.
Conservation of parts with volatile inhibitors. G. V. Bystraya. Avt. prom. 20 no. 5:47-48 My '63.
Corrosion of the color doctor in printing with insoluble azo dyes. S. N. Iablokova. Tekst. prom. 23 no. 3: 87-89 Mr '63.
Corrosion resistance of metals and alloys in sulfate acid solutions with titanium admixture. V. N. Diatlova. E. M. Frolikova. Khim. mashinost. no. 2:32-39 Mr-Apr '63.
Corrosion resistance of the steel elements of ferrous metallurgy enterprises. V. Flaks. Prom. stroit. inzh. soor. 5 no. 2:24-28 Mr-Apr '63.
Effect of constant stretching stresses on corrosion fatigue in a monoaxial homogeneous state of stress. N. I. Kharitonov, P. I. Tseli. Nauch. trudy Tul. gor. inst. no. 3:117-120 '61.
Lebedeva, L. S. [Use of corrosion inhibitors in railroad transportation] Primenenie inhibitorov korrozii na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962, 23 p.
Mechanism of the corrosion cracking of metals. V. V. Romanov. Trudy Inst. met. no. 13:171-179 '63.
Method for calculating protection systems of underground metal structures from electric corrosion. E. G. Lortkipanidze. Trudy Inst. energ. AN Gruz. SSR 16:67-73 '62.

CORROSION AND ANTICORROSIVES (Continued)

Method for studying corrosion by measuring electrical conductivity of samples. P. A. Akol'zin, E. N. Ivanov. *Teplotenergetika* 10 no. 3:8-12 Mr '63.
Protecting metal elements from corrosion. I. Kaprov. *Prom. stroi. i inzh. soor.* 5 no. 2:28-29 Mr-Apr '63.
Protection against corrosion of metal structures in navigation locks. L. Verzhbitskaya, V. Kuznetsov. *Rech. transp.* 22 no. 3:36-39 Mr '63.

CORROSION AND ANTICORROSIVES—STANDARDS
Corrosion protection of structural elements; corrosion-resistant materials and elements. *Blul. stroi. tekhn.* 20 no. 4:6 Ap '63.

CORROSION RESISTANT MATERIALS—WELDING
Welding of corrosion resistant metals and alloys in chemical machinery manufacture. V. A. Toropov. *Avtom. svar.* 16 no. 4:12-18 Ap '63.

CORTISOL
Adrenal cortex and hydrocortisone metabolism in experimental myocardial infarct [with summary in English]. I. A. Usvatova. *Kardiologiya* 2 no. 3:17-21 My-Je '62.

CORTISONE
Use of ACTH and cortisone in peritonitis. I. N. Grishin. *Klin. khir.* no. 5:65-67 My '62.

COSMETICS
Sun-screening cosmetic preparations. N. S. Kupriyanova. *Masl. -zhir. prom.* 29 no. 2:27-28 F '63.

COSMETICS—TESTING
Effect of a series of factors on the structural, mechanical and rheological characteristics of the "water-in-oil" type emulsion creams. I. I. Vol'fanzon, S. I. Shur. *Masl. -zhir. prom.* 29 no. 2:24-27 F '63.

COSMIC DUST see subdivision under Antarctic regions

COSMIC PHYSICS
Meeting of the Executive Committee of the International Association of Geomagnetism and Aeronomy. N. V. Pushkov. *Geomag. i aer.* 3 no. 1:177-178 Ja-F '63.

COSMIC PHYSICS—BIBLIOGRAPHY see Bibliography—Cosmic physics

COSMIC RAYS
Grigorov, N. L., M. A. Kondrat'eva, and I. D. Rapoport. [Cosmic rays] *Kosmicheskie luchy.* Moskva, Fizmatgiz, 1962. 83 p. (Praktikum po ladnoi fizike, no. 2)

COSMIC RAYS—MEASUREMENT
Measurement of radiation doses obtained by I. U. A. Gagarin and G. S. Titov during the first space flights. I. B. Keirim-Markus and others. *Isk. sput. Zem.* no. 15:102-103 '63.

COSMIC RAYS—PHYSIOLOGICAL EFFECT
Ionizing radiations at the altitudes of 180-340 km. and radiation danger in space flights [with summary in English]. V. E. Nesterov and others. *Probl. kosm. biol.* 2:170-181 '62.
Studies on the biological effect of cosmic radiation in spaceships [with summary in English]. A. A. Glurzhin. *Probl. kosm. biol.* 2:93-97 '62.

COSMOGONY
Interesting hypothesis of the development of metagalaxy. *Priroda* 62 no. 4:103-104 '63.
"Origin of the earth and planets" by O. I. Shmidt. A book review. *Priroda* 62 no. 4:18 '63.

COST AND STANDARD OF LIVING
(see also subdivision under United States)
Public consumption funds and their structural changes during the period of the large-scale building of communism in the U. S. S. R. M. V. Kurbalkina, K. S. Korovin. *Uch. zap. kaf. obshchestv. nauk vuz. g. Len.* Polit. ekon. no. 5:109-125 '62.
The Shalenyi family. L. Kulikova. *Mol. komm.* no. 7:19-22 Ji '62.

Tikhonov, N. M. [All in the name of man, for the good of man] *Vse vo imia cheloveka, dlia blaga cheloveka* Leningrad, Ob-vo po rasprostraneniui polit. i nauchn. znanii RSFSR, 1962. 80 p.

COSTS, INDUSTRIAL
(see also subdivision under Tatar A. S. S. R.)

Changes in the planning of industrial production costs. B. Gubin. *Polit. san. oobr.* 7 no. 3:68-70 Mr '63.
Morozov, P. A. [How to conduct a study on the theme, "Production costs and how to reduce them" in a beginners' economics study group] *Kak provedi v nachal'nom ekonomicheskom krughe zaniatie na temu "Sebstoimost' produktov i puti ee snizheniya."* Moskva, Gospolitizdat, 1963. 62 p.

Shelko, S. S., and M. N. Yankolevich. [Accounting and calculation of production costs in a clothing factory] *Uchet i kal'kulirovaniye sebstoimosti produktov shvaynoi fabрики.* [Leningrad] Gosmetpromizdat, 1962. 195 p.

COSTUME DESIGN

Design and construction of clothing in the Houses of Costume Design of the Russian Federation. S. S. Kirillov. *Shvayn. prom.* no. 1:18-22 Ja-F '63.

COTTON
Cotton. N. N. Konstantinov, A. S. Aleksandrov. *Priroda* 62 no. 4:19-28 '63.
Structure of the root tip in the embryo of some cotton species. A. S. Dariev. *Bot. zhur.* 48 no. 3:430-436 Mr '63.

COTTON—DISEASES AND PESTS see subdivision under Azerbaijan; Uzbekistan

COTTON—TESTING
Testing the physicochemical properties of cotton fibers. H. Lenger. *Tekst. prom.* 23 no. 4:79-83 Ap '63.

COTTON FABRICS—STANDARDS
Classification of shrinkage norms for textile fabrics after washing. O. A. Filatova. *Standartizatsiya* 27 no. 4:53-55 Ap '63.

COTTON GINS AND GINNING see subdivision under Termez

COTTON GROWING see subdivision under Khorezm Province; Tashkent region; Uzbekistan

COTTON MACHINERY
(see also subdivision under Uzbekistan)
Andreev, G. I., and I. I. Raskin. [New type of equipment in the cotton industry] *Novaya tekhnika v khlopkovoi promyshlennosti.* Pod red. A. Nurallieva, Tashkent, Gosizdat UzSSR, 1962. 72 p.

COTTON MANUFACTURE
Readers' conference on A. V. Terlushnov's book "Control of breakage in cotton manufacture." E. I. Zernitskaya. *Tekst. prom.* 23 no. 3:93-94 Mr '63.

COTTON MANUFACTURE—EQUIPMENT AND SUPPLIES
"Heat using equipment in the cotton industry" by V. P. Samoilov. Reviewed by Bazhenov and others. *Izv. vys. ucheb. zav. i tekhn. tekst. prom.* no. 1:160-162 '63.

COTTON-PICKING MACHINERY see subdivision under Uzbekistan

COTTON YARN—TESTING
Determining the impurity of cotton yarn. O. A. Filatova. *Standartizatsiya* 27 no. 3:43-46 Mr '63.

COTTONSEED PRODUCTS
Processing of oilseeds and obtaining from them protein-containing feed and edible products and oils; literary review. B. I. A. Golant, N. I. Ostapov. *Masl. -zhir. prom.* 29 no. 2:43-46 F '63.

COTTONSEED PRODUCTS AS FEED—PRESERVATION
Preservation of cottonseed phosphatide concentrate. B. A. Kats, V. N. Popova. *Masl. -zhir. prom.* 29 no. 2:37-39 F '63.

COUNTERFEITS AND COUNTERFEITING see subdivision under Pechuzh

COUNTING DEVICES
Appliance for the photographic recording of discharges in spark counters. I. V. Kolesov and others. *Prib. i tekhn. eksp.* 8 no. 2:54-58 Mr-Apr '63.
Atomic count. B. Finkel'son. *Poligr. proizv.* no. 3:30-31 Mr '63.

Device for counting the trips of loaded dump trucks. V. A. Loginov. *Transp. stroi.* 13 no. 4:37-38 Ap '63.
Electronic transducer of pulses with one second duration. N. M. Abramov. *Vest. svyazi* 23 no. 4:7-8 Ap '63.
Spark chamber with little obstructing matter along the particle track. I. U. D. Buzikov and others. *Prib. i tekhn. eksp.* 8 no. 2:45-47 Mr-Apr '63.

COUPLINGS
Couplings with tightening cylindrical rings. V. Aranzov, A. Borodai, P. Chikov. *Tekhn. v sel'khoz.* 23 no. 1:74-75 Ja '63.
Study of an antifriction cross coupling. I. U. A. Grin. *Nauch. trudy Tul. gor. inst.* no. 3:131-154 '61.

COURAGE
Kudenko, O. I. [There is always a place for heroic deeds in life] *V zhizni vsегда est' mesto podvigu; zametki zhurnalista.* Moskva, Gospolitizdat, 1963. 71 p. (Vremia i ljudi)

COURT RECORDS
We should revise the rules which regulate the filing of a written objection against the formulation of court records. L. Kherson'skiy. *Rad. pravo* no. 1:108-110 [Ja-F] '63.

COURTS
(see also subdivision under Archangel Province; Czechoslovakia)
Soviet courts and their objectives. K. Zhurs'ka. *Rad. pravo* no. 1:28-32 [Ja-F] '63.
Soviet courts should improve the organization of their work. M. Zakharov. *Rad. pravo* no. 3:79-82 My-Je '62.

We should confirm the right of our courts to call people's assessors for instruction. N. Rekun. *Rad. pravo* no. 2:86 Mr-Apr '63.

COURTS—OFFICIALS AND EMPLOYEES

Exemplary work. H. Tarasova'ka. *Rad. pravo* no. 1:85-86 [Ja-F] '63.
Secretary of a Soviet court. A. Naimushin. *Sov. iust.* no. 8:20-21 Ap '63.

COWS

A case of two-headedness. I. S. Kadoshnikov. *Trudy Kras. SKHI* 3 no. 1:149-153 '63.
Gas interchange in lactating cows with various milk yields. V. N. Anisimov. *Trudy Kras. SKHI* 3 no. 1:55-60 '63.

CRAB FISHERIES see subdivision under Kamchatka

CRABS

New data on conditioned inhibition in the green crab *Carcinus maenas*. A. I. A. Karas'. *Nauch. dokl. vys. shkoly; biol. nauki* no. 2:87-93 '63.

CRACKING PROCESS

Catalytic cracking of raw heavy distillates on a micro-spheric catalyst of Troshkovskiy clay. V. V. Manshlin and others. *Khim. i tekhn. topl. i masel.* 8 no. 3:1-6 Mr '63.

Kinetics of cumene cracking of 10X zeolite. K. V. Topchieva, B. V. Romanovskii, Kho-Shi Tkhong [Huo-shih Ch'uang]. *Dokl. AN SSSR* 149 no. 3:844-847 Mr '63.

CRANES, DERRICKS, ETC.

Assembly of the main buildings of thermal electric plants using BK-1425 cranes. A. N. Antipin. *Mekh. stroi.* 20 no. 5:2-4 My '63.

Assembly of 33.5 m. spans using the GEK-120 swing crane. M. I. A. Shklovskii. *Transp. stroi.* 13 no. 3:17-19 Mr '63.

Bridge stacker-cranes. I. P. Utkin. *Avt. prom.* 29 no. 5:44-45 My '63.

Cable-bridge transporter crane with tubular cable-suspension span. A. D. Gorbachev, M. M. Kuznetsov, A. A. Stannikov. *Trudy Ural. lesotekh. inst.* no. 17:23-25 '60.

Choosing cranes in relation to the parameters of the installations under construction according to nomograms. R. I. A. Zel'tser. *Mekh. stroi.* 20 no. 5:7-10 My '63.
Comments on M. B. Mekler's article "Stability of jib tower cranes." I. I. Abramovich. *Bezop. truda v prom.* 6 no. 9:31 S '62.

Equipment for erecting steel and heavy reinforced-concrete frameworks of industrial buildings. A. Z. TSifri-novich. *Sbor. trud. MISI* no. 39:472-473 '61.

The GEFK-130-17.5 swing cantilever railroad crane. M. I. A. Shklovskii, A. N. Cherkasov, B. N. Fishler. *Transp. stroi.* 13 no. 4:34-36 Ap '63.

Gantry crane with a hoisting capacity of 50 t. and span of 38 m. S. Kheifets. *Prom. stroi. i inzh. soor.* 5 no. 2:52-53 Mr-Apr '63.

Inefficiency of using a single-bucket excavator as a hoisting crane. A. E. Khilov. *Sbor. trud. MISI* no. 39:478-479 '61.

Konovaylov, V. S., and S. A. Stefanenko. [Mechanization and automation of intrafactory transportation in machinery plants] *Mekhanizatsiya i avtomatizatsiya vnutrizavodskogo transporta mashinostroitel'nykh zavodov.* Moskva, TSINTIMASH 1961. 68 p.

Modernization of the hoisting mechanism of a hardening crane. A. G. Gorbachev. *Bezop. truda v prom.* 7 no. 4:26-28 Ap '63.

Modernization of the SBK-2 and MSK-3-5-20 tower cranes. I. U. B. Reifisov. *Mekh. stroi.* 20 no. 5:13 My '63.

New equipment. *Mashinostroitel'* no. 3:19 Mr '63.

Outlook for improving the manufacture of building cranes. N. G. Dombrovskii. *Sbor. trud. MISI* no. 39:469-471 '61.

"Reconditioning the laying and ballasting machine designed by the Ural Institute of Lumbering Technology" dissertation by V. A. Krupin. Reviewed by S. M. Konukhov. *Trudy Ural. lesotekh. inst.* no. 17:20-33 '60.

Remodeled grab. *Transp. stroi.* 13 no. 4:66 Ap '63.

Russia (1923- U. S. S. R.) *Komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru.* [Safety regulations for the construction and operation of hoisting cranes; required for all ministries and departments] *Pravila ustroystva i bezopasnoi ekspluatatsii gruzopod'emnykh kranov. Oblazatel'ny dlia vsekh ministerstv i vedomstv.* Izd. 3. V nastoiashchee izd. Pravil vneseny izmeneniya i dop. priniaty Gosgortekhnadzorom RSFSR, Moskva, Gosgortekhnadzor, 1963. 83 p.

"Safety measures for the erection and operation of cranes" by P. N. Ushakov, A. G. Lysakov. Reviewed by B. M. Ziobinskii. *Vest. mashinost.* 43 no. 4:88 Ap '63.

"Safety measures in the construction and operation of cranes" by P. N. Ushakov, A. G. Lysakov. Reviewed by I. Nikolaev. *Bezop. truda v prom.* 6 no. 9:36 S '62.

- CRANES, DERRICKS, ETC. (Continued)**
Self-propelled cranes. Prom. stroi. inzh. soor. 5 no. 2: 58-60 Mr-Apr '63.
Technological news. A. Presniakov, B. Gusev, A. Blo-
min. Kul't. i zhizn' 6 no. 11:41-42 '62.
Tower truck cranes. Ch. P. Meshik. Mekh. stroi. 20
no. 5:26-27 My '63.
Ways of increasing the efficiency of loading and unload-
ing operations. N. Sergel'. Mor. flot 23 no. 1:8-10
Ja '63.
- CRANES, DERRICKS, ETC.—DESIGN AND CONSTRUCTION**
New type of bridge crane with a flexible design layout.
E. Beliaev, N. Iakobson. Prom. stroi. i inzh. soor. 5
no. 2:48-50 Mr-Apr '63.
- CRANES, DERRICKS, ETC.—EQUIPMENT AND SUPPLIES**
Elastic jointless crane tracks. V. Kushnerov, I. Pinaev.
Prom. stroi. i inzh. soor. 5 no. 2:50-52 Mr-Apr '63.
Stock crane tracks on precast reinforced concrete
girders. A. E. Trebasov. Mekh. stroi. 20 no. 4:17-
18 Ap '63.
Telescopic arms on truck-mounted cranes. A. N. Kana-
shov. Mekh. stroi. 20 no. 5:12-13 My '63.
- CRANES, DERRICKS, ETC.—SAFETY APPLIANCES**
Control of freight-lowering speed of diesel-powered
crawler cranes. A. M. Entis. Bezop. truda v prom.
7 no. 4:31-32 Ap '63.
Electromechanical catch for bridge cranes. P. M.
Chetverikov. Bezop. truda v prom. 7 no. 4:32-33 Ap
'63.
Lifting capacity controller on the BK-405 tower crane.
I. Kasishchev. Prom. stroi. i inzh. soor. 5 no. 2:53-
54 Mr-Apr '63.
Safety appliances on foreign jib cranes. I. I. Abramovich.
Bezop. truda v prom. 7 no. 4:34-35 Ap '63.
- CRANES, DERRICKS, ETC.—TESTING**
Device for testing hydraulic cranes. I. Shevtsova. Avi.
transp. 41 no. 3:33 Mr '63.
Tests of tower cranes. I. A. Kogan. Mekh. stroi. 20
no. 5:14-15 My '63.
- CRANKS AND CRANKSHAFTS**
Laying the crankshafts of main steam and internal com-
bustion engines on freighters. A. Bryntsev. Mor. flot
23 no. 1:31-32 Ja '63.
- CRANKS AND CRANKSHAFTS—TESTING**
Mechanical and operational qualities of cast crankshafts
in GAZ engines. V. A. Zakharov. Avi. prom. 29 no. 6:
35-37 My '63.
- CRAWLER TRACTORS—MAINTENANCE AND REPAIR**
Reconditioning C-100 crawler tractor links by electric
arc build-up welding. S. L. Milichenko, I. V. Zhuravlev,
E. B. Atzenberg. Avtom. svar. 16 no. 3:65-69 Mr
'63.
- CREAMERIES—EQUIPMENT AND SUPPLIES**
Strakhov, V. V., and others. [Modern equipment for
making creamery butter] Sovremennoe oborudovanie
dlya proizvodstva sil'nochnogo masla. Moskva, Tsentr.
In-t nauchno-tekhn. informatsii mashinostroeniia 1962.
55 p. (TSINTIMASH. Seria IX: Proizvod'stvennoe
mashinostroenie)
- [MICROFILM]
- CREATINE**
Renewal of creatine in animal muscles [with summary in
English]. S. F. Epstein, T. P. Kastykina. Ukr.
biokhim. zhur. 34 no. 5:727-733 '62.
- CREATIVE ACTIVITIES AND SEAT WORK**
Children's group work. T. Zernova. Doshk. vosp. 36
no. 3:35-38 Mr '63.
Extracurricular drawing. L. Shashkova. Doshk. vosp.
36 no. 3:30-35 Mr '63.
- CREDIT**
Chernyshova, T. A. [Issuing credit to heavy industry]
Kreditovanie liasheloi promyshlennosti. Moskva,
Gosfinizdat, 1963. 118 p. (V pomoshch' bankovskomu
rabotniku)
- CREDIT INSURANCE** see Insurance, Credit
- CREEP OF METALS**
Effect of programmed hardening of creep processes and
the recrystallization of iron at high temperatures.
R. I. Garber, I. A. Gindin, I. M. Nekliudov. Fiz. met. i
metalloved. 15 no. 3:473-475 Mr '63.
- CREEP OF NICKEL**
Effect of temperature and stress on the elementary
components of deformation during nickel creep. V. M.
Rozenberg. Fiz. met. i metalloved. 15 no. 3:397-404
Mr '63.
- CREEP OF STEEL**
Investigating the intragranular structure of austenitic
steel following failure during creep. V. I. Syreishchi-
kova, V. V. Levitin. Fiz. met. i metalloved. 15 no. 3:
352-356 Mr '63.
- CRIME AND ALCOHOLISM** see Alcoholism and crime
- CRIME AND CRIMINALS**
(see also subdivision under Korets District;
United States)
Concept of criminal presumptuousness. M. S. Grinberg.
Izv. vys. ucheb. zav.; prav. 6 no. 2:97-105 '62.
"Criminal responsibility for the violation of industrial
safety rules" by I. P. Lanovenko. Reviewed by I. U. Ver-
benko. Rad. pravo no. 3:153-155 My-Je '62.
Legal advice. Rad. pravo no. 2:154-155 Mr-Apr '63.
Offenses against the administration of justice. I. Vlasov.
Rad. pravo no. 3:74-78 My-Je '62.
- CRIME PREVENTION**
(see also subdivision under Germany, East; Kiev;
Kirovograd; Semipalatinsk Province)
Basic ways to eliminate the violation of laws in Soviet
society. I. S. Samoshchenko. Izv. vys. ucheb. zav.;
prav. 6 no. 2:22-32 '62.
Vorozheikin, E. M. [Let us ensure a strict observance
of socialist laws] Ukrepliat' sotsialisticheskuyu zakon-
nost'. Moskva, Izd-vo "Znanie", 1963. 31 p. (Novoe
v zhizni, nauka, tekhnika. II Seria: Filosofiya, no. 6)
- CRIMEA—AMUSEMENTS**
[To meet the sun; materials on a trip made by children
of our compatriots to the Crimea and White Russia in
the summer of 1961] Solntsu navstrechu; sbornik mate-
rialov o poezdke detei nashikh sootchestvennikov v
Krym i Belorussiiu letom 1961 goda. [Berlin] Komitet
za vozvrashchenie na Rodinu i razvitiie kul'turnykh
svyazei s sootchestvennikami, 1961. 55 p.
(NIC)
- CRIMEA—EARTHQUAKES**
Determination of the energy of Crimean earthquakes.
Z. I. Aronovich. Izv. AN SSSR. Ser. geofiz. no. 4:532-
545 Ap '63.
- CRIMEA—FOREST PROTECTION**
Forests in the Crimea and basic problems in their pro-
tection. L. A. Aifirov. Okhr. prir. i zapov. delo v SSSR
no. 7:25-33 '62.
- CRIMEA—LANDSLIDES**
Landslides along the shore of southern Crimea. I. B.
Korzhenevskii, A. A. Loenko, V. A. Cherevov. Pri-
roda 52 no. 3:69 '63.
- CRIMEA—LEGENDS**
Prikordonyi, D. M., comp. [Legends of the Crimea]
"Legenda Kryma, Smirnopoli", Krymizdat, 1960.
156 p.
(OU)
- CRIMEA—PASTURES AND MEADOWS**
Vegetation of the floodplains in the lower Salgir and Indol
Valleys of the Sivash region in the Crimea [with sum-
mary in English]. Report 2. M. D. Skarlygina. Vest.
LGU 18 no. 6:93-105 '63.
- CRIMEA—VEGETATION AND CLIMATE**
Vegetation of the floodplains in the lower Salgir and Indol
Valleys of the Sivash region in the Crimea [with sum-
mary in English]. Report 2. M. D. Skarlygina. Vest.
LGU 18 no. 6:93-105 '63.
- CRIMEA—WORLD WAR, 1939-1945**
From the editor's mail. Ukraina no. 7:22-23 Ap '63.
- CRIMEAN MOUNTAINS—KARST**
Role of snow in the karsting and recharge of karst waters.
V. N. Dublanskii. Izv. AN SSSR. Ser. geog. no. 2:69-75
Mr-Apr '63.
- CRIMEAN MOUNTAINS—MEDUSAE, FOSSIL**
Find of the Middle Jurassic medusa Aiolites caucas-
icus Sobolev in the Crimean Mountains. L. I. Babanova.
Paleont. zhur. no. 1:139-140 '63.
- CRIMEAN MOUNTAINS—PALEONTOLOGY**
Some remarks concerning V. S. Sasinovych's article
"Significance of markings in the Taurian formation of
the Crimean Mountains." M. V. Logvinenko and others.
Geol. zhur. 23 no. 1:98-101 '63.
- CRIMEAN MOUNTAINS—SNOW**
Role of snow in the karsting and recharge of karst waters.
V. N. Dublanskii. Izv. AN SSSR. Ser. geog. no. 2:69-75
Mr-Apr '63.
- CRIMINAL EVIDENCE** see Evidence, Criminal
- CRIMINAL INVESTIGATION**
(see also subdivision under Kharkov Province;
Virgin Territory)
In the Office of the Public Prosecutor of the Ukrainian
S. S. R. Rad. pravo no. 2:150-151 Mr-Apr '63.
It's time to decide who should control the pretrial investi-
gation of criminal offenses committed on railroads and
ships. I. Naimark. Sots. zakon. 39 no. 7:34-35 Ji
'62.
Microscope exposes a crime. S. Neaterovich. Uzbekiston
21 no. 12:27 D '62.
On-the-job training of young criminal investigators.
E. Kivimägi, Shershen'. Sots. zakon. 39 no. 7:53-54
Ji '62.
- Study of clues at the scene of a crime. H. Matusova-Tyl.
Rad. pravo no. 2:46-48 Mr-Apr '63.
Voyage into the depths of criminology. F. Kamenetskii.
Ogonek 41 no. 14:28-20 Mr '63.
- CRIMINAL INVESTIGATION—STUDY AND TEACHING**
We should raise the qualifications of criminal investiga-
tors. P. Rybachenko, F. Lopushanskii. Rad. pravo
no. 2:48-52 Mr-Apr '63.
- CRIMINAL JUSTICE, ADMINISTRATION OF**
Basic ways to eliminate the violation of laws in Soviet
society. I. S. Samoshchenko. Izv. vys. ucheb. zav.;
prav. 6 no. 2:22-32 '62.
- CRIMINAL LAW**
(see also subdivision under Ukraine)
Discussing the proposed "Basic Principles of the Civil
and Criminal Law of the U. S. S. R." Rad. pravo no. 1:
142-145 [Ja-Je] '63.
Legal relations in criminal law. A. A. Piontkovskii.
Izv. vys. ucheb. zav.; prav. 6 no. 2:86-90 '63.
Moscow. Vsesoiuznyi iuridicheskii zagchnyi institut.
[Problems in the special part of Soviet criminal law
in the criminal code of the U. S. S. R. of 1960]
Voprosy osobennoi chasti sovetskogo ugoynogo
prava v UK RSFSR 1960 goda; uchebnoe posobie.
Moskva, 1962. 193 p.
(CSU-II)
We should fully repudiate A. Ia. Vyshinskii's erroneous
views on the theory of Soviet criminal law. A. Piontk-
ovskii. Sots. zakon. 39 no. 7:10-15 Ji '62.
- CRIMINAL NEGLIGENCE** see Negligence, Criminal
- CRIMINAL PROCEDURE**
(see also subdivision under Ukraine)
Competitiveness and procedural functions in Soviet
criminal procedure. M. S. Strogovich. Izv. vys. ucheb.
zav.; prav. 6 no. 2:100-114 '62.
Concept of "version" in criminal procedure. Sots. zakon.
39 no. 7:70-71 Ji '62.
Dismissal of criminal cases before the conclusion of
pretrial investigation. H. Chantuli. Rad. pravo no. 1:
65-69 My-Je '62.
Execution of sentences according to the new criminal
procedure code of the Ukrainian S. S. R. H. Neshchiraj.
Rad. pravo no. 3:69-74 My-Je '62.
For the proper implementation of adjective law. A. Bytyl.
Rad. pravo no. 2:113-115 Mr-Apr '63.
Karev, D. S., ed. [Laws on the criminal procedure of
the Union Republics] Ob ugoynno-protsessual'nom
zakonodatel'stvo soiuzykh respublik. Moskva,
Gosizdat, 1962. 436 p.
Russia (1923- U. S. S. R.) Laws, statutes, etc. [Laws
governing criminal procedure in the U. S. S. R. and
the Union Republics] Zakonodatel'stvo ob ugoynnom
sudoprotivodstve Soiuza SSR i soiuzykh respublik.
V dvukh tomakh. Moskva, Gosizdat.
Vol. 1. 1963. 879 p.
Vol. 2. 1963. 910 p.
Shliakhov, A. R. [Procedural rules of expert evidence
in criminal matters] Protsessual'nye osnovy protsel'-
stva kriminalisticheskoi ekspertyzy. Moskva, M-vo
iustitsii RSFSR, 1962. 49 p.
- CRITICISM**
Against an unfair criticism of my works. V. F. Zylkova.
Vop. ist. 38 no. 4:213-216 Ap '63.
- CROCODILES** see subdivision under India
- CROPS AND CLIMATE** see subdivision under Kokchetav
Province
- CROWN-GALL DISEASE** see subdivision under Ukraine
- CRUCIBLES**
Effect of the material of the crucible (ladle) on the
residual content of cerium in cast iron being held under
a reducing layer. Lit. proizv. no. 4:20-21 Ap '63.
Increasing the stability of crucibles in melting and
distributing furnaces in die casting foundry shops.
V. V. Buchinskii, I. P. Fominikh. Lit. proizv. no. 4:41-
45 Ap '63.
- CRUSH SYNDROME**
Protracted compression disease; traumatic toxicosis.
S. A. Verkhovskii, Klin. khir. no. 5:22-30 My '62.
- CRUSHED STONE INDUSTRY—EQUIPMENT AND SUPPLIES**
Technical design and operation of a large crushing and
grading plant. I. U. D. Tarnasov, S. I. Varlamov. Stroi.
mat. 9 no. 3:1-5 Mr '63.
- CRUSHING MACHINERY**
(see also subdivision under Australia; Semiluki)
The content of coarse particles in a mill determines its
output. S. E. Andreev. Obog. rud 7 no. 2:3-4 '62.
Crusher for coarse crushing. I. U. A. Muizomak, O. A.
Gabov. Gor. zhur. no. 4:54-57 Ap '63.
Crushers for medium and fine crushing. I. U. A. Muiz-
omak, Gor. zhur. no. 4:57-61 Ap '63.
Dynamic properties of a closed-cycle grinding machine.
O. N. Tikhonov. TSvet. met. 36 no. 4:14-22 Ap '63.

CRUSHING MACHINERY (Continued)

- Impact action of balls in a mill. L. P. Shchupov. Obog. rud. 7 no. 4:20-20 '62.
- Mechanized hard facing of coke-grinder rollers. V. M. Mozok, I. A. Iuzvenko, S. I. A. Shekhter. Avtom. svar. 16 no. 3:62-64 Mr '63.
- Study of the effectiveness of a combination of dust prevention measures in the crusher housings of ore dressing plants. E. N. Boshnikov. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:155-171 '62.

CRUSHING MACHINERY—CONGRESSES

- Conference on increasing the wear resistance of grinding parts. N. S. Sazon. Obog. rud. 7 no. 6:44 '62.

CRUSHING MACHINERY—TESTING see subdivision under Tytnyauz

CRUSTACEA see subdivision under Atlantic Ocean

CRYSTAL LATTICES

- Determining short-range order parameters for three-component spinels. I. U. N. Kurashin, A. N. Men'. Fiz. met. i metalloved. 15 no. 2:161-165 F '63.
- Diffusion scattering of X rays and the actual structure of solid solutions in equilibrium. E. N. Vlasova, V. I. Iveronova. Fiz. met. i metalloved. 15 no. 2:254-259 F '63.
- Effect of the structure of crystal lattices on the absorption and luminescence spectra of impurities in molecular crystals. V. N. Vatulov. Izv. AN SSSR, Ser. fiz. 27 no. 4:512-514 Ap '63.
- Fine crystal structure of cold-deformed, high-carbon steel. V. M. Kardonskii, G. V. Kurdumov, M. D. Perhas. Fiz. met. i metalloved. 15 no. 2:244-253 F '63.
- Luminescence of molecular crystals containing impurities of different solubility in the solid phase. V. P. Kovalev and others. Izv. AN SSSR, Ser. fiz. 27 no. 4:524-526 Ap '63.
- Mechanism of diffusion in body-centered iron. M. A. Krashtak, A. P. Mokrov. Fiz. met. i metalloved. 15 no. 3:456-458 Mr '63.
- Ordering of ferromagnetic alloys with a face-centered cubic lattice. V. M. Danilenko, D. R. Rizdviantskii, A. A. Smirnov. Fiz. met. i metalloved. 15 no. 2:184-202 F '63.
- Stresses and deformations in polycrystalline materials. S. D. Volkov, N. A. Klinakikh, M. L. Konissarova. Fiz. met. i metalloved. 15 no. 2:274-279 F '63.
- Theory of the electric resistance of alloys with periodically changing constitution and degree of long-range order. I. D. Kolomiets, A. A. Smirnov. Fiz. met. i metalloved. 15 no. 3:321-326 Mr '63.
- Ultrasonic excitation of vibrations of Bloch walls and nuclear acoustic paramagnetic resonance in ferromagnetics. L. L. Blushvill. Fiz. tver. tela 5 no. 4:1027-1030 Ap '63.
- X-ray study of single crystal easy cleavage planes. V. M. Kosevich. Fiz. met. i metalloved. 15 no. 3:321-326 Mr '63.

CRYSTAL LATTICES—DEFECTS

- Defects of packing and segregation in cobalt-base alloys. I. U. A. Skakov, I. U. O. Mezhrnyi. Fiz. met. i metalloved. 15 no. 2:280-284 F '63.

CRYSTAL LATTICES—VIBRATION

- Tolpygo, K. B. [Theory of vibrations of crystal lattices with deformed atoms] Teorii kolebani kristallicheskikh reshetok s deformirovannymi atomami; lektsii, prochiennyye v letnei shkole po teorii tverdogo tela Tartu-Tyrvare, Iun' 1961. Tartuski gos. univ. Vol. 2. 1962. 57 p.

[MICROFILM]

CRYSTAL OPTICS

- Determination of the actual refractive index of inaxial crystals. K. N. Nikishov. Geol. i geofiz. no. 1:137-140 '63.

CRYSTALLIZATION

- Conditions for the formation of boundaries with large disorientation angles. I. N. Kidin, M. A. Shtremel'. Kristallografiya 7 no. 6:899-902 N-D '62.
- Conditions for the onset of fluctuations in the solid-liquid interface in bismuth. G. V. Komarov, A. R. Regel'. Fiz. tver. tela 5 no. 3:773-777 Mr '63.
- Crystallization of cast iron inoculated with cerium, tellurium, and calcium. D. N. Khudokormov, O. S. Komarov. Lit. proizv. no. 4:21-23 Ap '63.
- Homogeneous and heterogeneous crystallization of carbon. V. I. Kasatochkin, G. B. Finkel'shtein. Dokl. AN SSSR 149 no. 3:629-632 Mr '63.
- Mathematical theory of zone recrystallization of a two-component system. A. N. Kirgintsev, V. D. Kudrin, K. N. Kudrina. Fiz. tver. tela 5 no. 3:924-935 Mr '63.
- Recrystallization of solid solutions nickel-manganese. D. N. Gongadze, I. T. Bokuchava. Trudy GPI [Gruz.] no. 6:123-128 '61.
- Role of diffusion in crystallization from solutions. E. B. Treilov. Zap. Vses. min. ob-va 92 no. 1:124-126 '63.
- Studying the kinetics of secondary recrystallization in transformer steel. B. G. Livshits, V. I. Novikov. Fiz. met. i metalloved. 15 no. 3:450-461 Mr '63.
- Terminology and classification of primary crystallization zones in castings. N. K. Ipatov. Lit. proizv. no. 4:45-48 Ap '63.

CRYSTALLOGRAPHY

- Advances in the area of reactions in crystalline bodies. V. P. Barzakovskii, A. D. Volkov. Zhur. VKHO 8 no. 2:128-134 '63.
- Cation arrangement in the spinel CuMn_2O_4 . A. I. Zaslavskii, Z. V. Karachentseva, A. I. Zharinova. Kristallografiya 7 no. 6:835-843 N-D '62.
- Comments on V. E. Khartsiev's article "Symmetry of the energy zones of CoSb and ZnSb type compounds." V. Frei, B. Velteki. Fiz. tver. tela 5 no. 3:962-963 Mr '63.
- Crystalline structure of higher beryllides of molybdenum, tungsten, and rhenium. N. N. Matiuschenko and others. Kristallografiya 7 no. 6:862-864 N-D '62.
- Crystallochemistry and ceramics of aluminosilicates with small size cations. N. A. Toropov. Zhur. VKHO 8 no. 2:122-127 '63.
- Distribution coefficient of zinc in indium antimonide, E. V. Skudnova, M. S. Mirgalovskaya, R. Annamamedov. Zhur. neorg. khim. 8 no. 3:665-668 Mr '63.
- Effect of the elongated form of crystals on the intensity of reflexes in electron diffraction pictures of laminated textures. B. B. Zviagin. Kristallografiya 7 no. 6:958-959 N-D '62.
- Energy spectrum of crystals with $\frac{1}{h} - \frac{1}{h}$ structure. K. D. Tovstuk, M. V. Tarnavskaya. Fiz. tver. tela 5 no. 3:819-838 Mr '63.
- Limit groups of double antisymmetry. L. A. Shuvalov. Kristallografiya 7 no. 6:822-825 N-D '62.
- Nonlinear equations of the integral type and their application to the study of crystalline symmetry of interstitial solid solutions. A. G. Khachatryan. Fiz. tver. tela 5 no. 3:750-758 Mr '63.
- The 1651 Shubnikov group. A. M. Zamorzaev. Kristallografiya 7 no. 6:813-821 N-D '62.
- Optical activity of crystals of planar classes of middle systems. F. I. Fedorov, B. V. Bokut', A. F. Konstantinova. Kristallografiya 7 no. 6:910-915 N-D '62.
- The phenomenon of internal conical refraction of elastic waves. A. G. Khatkevich. Kristallografiya 7 no. 6:916-921 N-D '62.
- Some properties of CuSbSe_2 single crystals. G. B. Abduliev and others. Trudy Inst. fiz. AN Azerb. SSR 11:42-45 '63.
- Structure of thin films of the compound TiHfSe . L. I. Men, S. A. Semiletov. Kristallografiya 7 no. 6:844-846 N-D '62.
- Structures from Thomson cubes with alternate bipyramidal nets having a cubic or diamond-type symmetry. N. L. Smirnova, N. V. Belov. Kristallografiya 7 no. 6:826-834 N-D '62.

CRYSTALS

- Temperature dependence of the frequencies of nuclear quadrupole resonance in Sh^{121} and certain single crystals. V. S. Grechishkin, I. A. Kiuntseva. Fiz. tver. tela 5 no. 3:948-949 Mr '63.

CRYSTALS—ABSORPTION SPECTRA

- Light dispersion in the exciton absorption region. V. N. Piskovoi. Fiz. tver. tela 5 no. 3:701-708 Mr '63.

CRYSTALS—DIPOLE MOMENTS

- Spatial symmetry of electric and magnetic dipole structures. V. N. Liubimov. Fiz. tver. tela 5 no. 3:951-953 Mr '63.

CRYSTALS—ELASTIC PROPERTIES

- Elastic properties of crystals of the heptahydrated sulfate group. K. S. Aleksandrov, T. V. Ryzhova, A. I. Rosluntseva. Kristallografiya 7 no. 6:930-933 N-D '62.

CRYSTALS—GROWTH

- Crystal in a crystal. I. U. V. Mniukh, I. U. G. Anadov. Priroda 52 no. 4:100-102 '63.
- In the hothouses of crystals. G. F. Dobrzhanekii. IUn. tekhn. 7 no. 4:57-59 Ap '63.
- Kinetics of the genesis of forms of growth of crystals. A. A. Chernov. Kristallografiya 7 no. 6:896-898 N-D '62.
- Some characteristics of the impurity distribution in semiconductor single crystals grown by Czochralsky's method. M. G. Miľvidskii, A. V. Berkova. Fiz. tver. tela 5 no. 3:769-778 Mr '63.
- Theory of the growth of an ideal crystal. A. L. Roliburd. Dokl. AN SSSR 148 no. 4:821-824 F '63.

CRYSTALS—MODELS

- Reflection and luminescence of zinc telluride single crystals. E. F. Gross, L. G. Snelina, A. I. Livshits. Fiz. tver. tela 5 no. 3:801-806 Mr '63.

CRYSTALS—SPECTRA

- Effect of the structure of crystal lattices on the absorption and luminescence spectra of impurities in molecular crystals. V. N. Vatulov. Izv. AN SSSR, Ser. fiz. 27 no. 4:512-514 Ap '63.

CRYSTALS—TESTING

- Tensile test for crystal chips ("cleavage whiskers"). V. I. Fridman, A. A. Shpunt. Fiz. tver. tela 5 no. 3:783-788 Mr '63.

CRYSTALS—VIBRATION

- Methodology of precision relative measurements of shearing vibrations in single crystals. I. A. Domoriad, L. P. Khiznichenko. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 7 no. 1:79-80 '63.

CRYSTALS, ELECTRON STATE see Excitons

CUBA

- "Cuban revolution in photographs." A. Gershberg. Sov. foto 23 no. 2:5 F '63.
- Heroic Cuba; a photographic exhibition in the Soviet Union. L. Kamynin. Sov. foto 23 no. 3:4-10 Mr '63.

CUBA—COMMERCE—RUSSIA

- U.S.S.R. and Cuba, an example of fraternal cooperation [with English summary in appendix]. Vneshtorg. 43 no. 4:5-13 '63.

CUBA—COMMUNITY CENTERS

- Community centers of the island of freedom. V. Fugachev. Kul't.-pros. rab. 24 no. 2:51-52 F '63.

CUBA—DESCRIPTION AND TRAVEL

- "Patria o muerte!" (to be continued). V. Fore. Sov. muz. 27 no. 1:117-119 Ja '63.

CUBA—ECONOMIC CONDITIONS

- The progress of the Cuban revolution. L. Kamynin. Mezhdunar. zhizn' 10 no. 5:23-29 My '63.

CUBA—FOREIGN RELATIONS—RUSSIA

- Fidel Castro in Moscow. Sergei L'vov. Nov. vrem. 20 no. 10:8-9 My '63.

- Havana and Moscow. Nov. vrem. 20 no. 10:1-3 My '63.

- [Peoples of the U.S.S.R. and Cuba forever together; documents of Soviet-Cuban friendship] Narody SSSR i Kubyy naveki vmeste; dokumenty sovetsko-kubinskoi druzhby. Moskva, Izd-vo "Pravda," 1963. 446 p.

CUBA—FOREIGN RELATIONS—UNITED STATES

- Growth of the national liberation movement of the peoples of Latin America; triumph of the people's revolution in Cuba. B. M. Merin. Prep. ist. v shkole 18 no. 2:77-84 Mr-Apr '63.

CUBA—MUSIC

- "Patria o muerte!" (to be continued). V. Fere. Sov. muz. 27 no. 1:117-119 Ja '63.
- "Patria o muerte!" (to be continued). V. Fere. Sov. muz. 27 no. 27 no. 2:121-120 F '63.

CUBA—POLITICS AND GOVERNMENT

- Partido Socialista Popular (Cuba) 8. Asamblea nacional, Havana, 1960. [Eighth National Congress of the Popular Socialist Party of Cuba, Havana, August 16-21, 1960. Translated from the Spanish] VIII Natsional'nyi s'ezd Narodno-sotsialisticheskoi partii Kuby, Gavana, 16-21 avgusta 1960 g. Moskva, Gospolitizdat, 1961. 288 p. (Dokumenty i materialy zarubezhnykh kommunisticheskikh i rabochikh partii) (DS) (CSI-II)

CUBA—RAILROADS—TRACK

- Visiting Cuban railroad workers. B. P. Iakovlev. Put' i put. khoz. 7 no. 3:31-33 '63.

CUBA—STEEL INDUSTRY

- The industries of El Cotorro. Ol. Alinin. Ukraina no. 6:2-3 Mr '63.

CUBA—SUGAR—ANALYSIS AND TESTING

- Rapid method for determining the reducing substances in Cuban unrefined sugar. N. A. Arkhipovich, G. P. Voloshanenko. Sakh. prom. 37 no. 3:21(181)-23(183) Mr '63.

CUBA—SUGAR MANUFACTURE

- Manufacture of unrefined sugar in Cuba. A. V. Kamenetskii. Sakh. prom. 37 no. 3:68(228)-74(234) Mr '63.

CUBA—TECHNICAL ASSISTANCE, RUSSIAN

- The industries of El Cotorro. Ol. Alinin. Ukraina no. 6:2-3 Mr '63.

CUBA—UKRAINIANS

- History of Ukrainian contacts with Cuba. A. D. Taroshenko. Ukr. ist. zhur. 6 no. 2:114-116 Mr-Apr '63.

CUBA—VIEWS

- P. Popovich has visited the people of Cuba; photos. Ukraina no. 7:17-18 Ap '63.

CUBA—WOMEN

- A visit to Cuba. Edith Erdel. Zhen. mira no. 3:32-33 '63.

CUBA—WOMEN—SOCIETIES, ETC.

- Vilma Espin; from the Sierra Maestra to the Federation of Cuban Women. Onelia Aguilar. Zhen. mira no. 1:6-8 '63.

CUCUMBERS—DISEASES AND PESTS

- TMTD for controlling anthracnose of cucumber in greenhouses. V. B. Bellaeva. Zashch. rast. ot vred. i bol. 6 no. 11:32 N '61.

- CULTIVATED PLANTS** see Plants, Cultivated
- CULTIVATION OF SOILS** see Tillage
- CUMENE**
Kinetics of cumene cracking of 10X zeolite. K. V. Topchieva, B. V. Romanovskii, Kho-Shi Tkhoang [Huo-shih Ch'uang]. Dokl. AN SSSR 149 no. 3:644-647 Mr '63.
- CUNEIFORM INSCRIPTIONS, SUMERIAN**
The earliest mention of Egypt in cuneiform texts [with summary in French]. D. G. Reder. Krat. soob. Inst. nar. Az. no. 46:37-44 '62.
Entemena, the "Usurper" [with summary in French]. V. V. Struve. Krat. soob. Inst. nar. Az. no. 46:27-36 '62.
- CUPFERRON**
Mixed thorium complex with cupferron and 4'-nitroso-2, 2'-dihydroxy-4-methyl-5-isopropylazobenzene. V. M. Dzomko, N. P. Rudenko, I. N. Kremenskaia. Zhur. neorg. khim. 9 no. 3:655-659 Mr '63.
- CUPOLA FURNACES**
Control of cupola furnace charging operations by means of noncontact automatic control elements. I. S. Ere-meev. Lit. proizv. no. 4:10-11 Ap '63.
- CURLEWS** see subdivision under Estonia
- CURVES ON SURFACES**
Moscow, Gornyi Institut. [Curves on surfaces, their intersections and evolutes; text for correspondence students] Kriye poverkhnosti, ikh peresechenie i razvertki; uchebnoe posobie dlia studentov-zaochnikov. Moskva, 1961. 31 p.
(MICROFILM)
- CURVES ON SURFACES—MEASUREMENT**
Effect of errors in the shape of a surface on the precision in measuring the radius of an arc profile. D. I. Kolpakov, V. V. Matveev. Izv. tekh. no. 3:10-11 Mr '63.
- CUSHING, RICHARD JAMES, 1805-**
A letter to Cardinal Cushing. L. Kedrin. Nauka i rel. 4 no. 2:29-31 F '63.
- CUSTOMS (TARIFF)** see Tariff
- CUSTOMS ADMINISTRATION**
Reorganization of Russian customs administration in 1753-1757. M. Ia. Volkov. Ist. zap. no. 71:134-157 '62.
- CUT GLASS** see subdivision under Novogradsk; Zhitomir Province
- CUTTING FLUIDS** see Metalworking lubricants
- CUTTING MACHINES**
Effect of soldering materials and tree-stage tempering on the cutting qualities of knives from fast-cutting steels. L. M. Shnalsder, I. I. Urazov. Trudy Ural. lesteekh. inst. no. 17:25-29 '60.
Testing the RMO-1600 wood chopping machine. N. P. Rushnov. Trudy TSNIIME no. 37:13-22 '62.
- CUTTING OF METALS** see Metal cutting
- CUTWORMS** see subdivision under Kazakhstan
- CUTWORMS—EXTERMINATION** see subdivision under Rostov Province; Samarkand Province
- CYANINE—SPECTRA**
Absorption and luminescence of solutions and oriented films of Ψ -isocyanine. V. L. Broude, E. G. Molisa. Izv. AN SSSR, Ser. fiz. 27 no. 4:530-532 Ap '63.
- CYANITE** see subdivision under Keyvy Upland
- CYANO COMPOUNDS**
Dependence of antimonoamine oxidase activity of derivatives of cyanocarboxylic acid hydrazides on their chemical structure [with summary in English]. E. Baumans, V. Grinsteins. Izv. AN Latv. SSR no. 2:79-84 '63.
- CYANOCOBALAMINE**
Content of vitamins B₉ and B₁₂ in the blood serum in alveolar pyorrhea before and after treatment. A. N. Iaroshenko. Stomatologiya 41 no. 5:9-11 S-O '62.
Folic acid and vitamin B₁₂ treatment of children with nutritional anemia. R. I. Enikeeva. Kaz. med. zhur. no. 5:39-40 S-O '62.
Importance of vitamin B₁₂ in conservative treatment of ulcers of the stomach and the duodenum in ambulant practice. B. A. Avanesov. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:83-87 '61.
- CYANURIC ACID**
Hydrolysis of esters of cyanuric acid and some of its derivatives. V. I. Mur, Zh. A. Gorbunova, A. I. Korolev. Zhur. VKHO 8 no. 2:235 '63.
- CYBERNETICS**
Arrangement of charges at the vertices of an n-dimensional unit cube. B. S. Zil'berman. Dokl. AN SSSR 149 no. 3:546-549 Mr '63.
- Bionics and its future. P. I. Gullaev. Vest. vys. shkoly 21 no. 3:31-35 Mr '63.
"Bionics" by L. P. Kraizmer. Reviewed by S. I. Smuglyi. Priroda 52 no. 4:120-121 '63.
Complexity of networks in certain bases containing non-trivalent elements with zero weights. E. I. Nechiporuk. Probl. kib. no. 8:123-160 '62.
Coordination of the random movements of a man from the point of view of the general laws of control and control systems. L. V. Chakhaidze. Probl. kib. no. 8:309-336 '62.
Cybernetics and the interrelation of sciences. I. B. Novik. Vest. AN SSSR 33 no. 4:54-61 Ap '63.
Cybernetics in automotive transportation. A. Shigin, D. Pospelov. Za rul. 21 no. 3:10-17 Mr '63.
A follow-up problem. N. N. Krasovskii. Prikl. mat. i mekh. 27 no. 2:244-254 Mr-Apr '63.
How to determine the concept of "information" in cybernetics [with summary in English, p. 183]. F. P. Tarasenko. Vop. filos. 17 no. 4:76-84 '63.
The image as information. V. Zaretskii. Vop. lit. 7 no. 2:71-91 F '63.
Length of a cycle in an n-dimensional unit cube. I. U. L. Vasil'ev. Dokl. AN SSSR 148 no. 4:753-756 F '63.
Let's get acquainted with bionics! L. Girchenko. IUn. nat. no. 3:4-5, 36 Mr '63.
Liapunov, A. A., O. B. Lupanova, and N. N. Rikko, eds. [Collection of translations on cybernetics] Kiberneticheski sbornik; sbornik perevodov. Moskva, Izd-vo Inostr. lit-ry. No. 4, 1962. 255 p.
Logical analysis of the structure of hereditary information. A. A. Liapunov, A. G. Malenkov. Probl. kib. no. 8:293-308 '62.
Model, impression and copy.... V. Heichenko. Znaniia i pratsia no. 2:15-16 F '63.
Parin, V. V., and R. M. Baevskii. [Cybernetics in medicine and physiology] Kibernetika v meditsine i fiziologii. Moskva, Medgiz, 1963. 117 p.
Prokhorov, A. I. [Bionics] Bionika, Predisl. V. V. Parina. Moskva, Izd-vo "Znanie," 1963. 56 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika i khimiia, no. 7)
Shadrintsev, I. S. [What cybernetics is] Chto takoe kibernetika. Moskva, Voenizdat, 1963. 70 p. [Nauchno-populiarnnaia biblioteka]
What we can learn from our brain [translated from the English]. W. R. Ashby. Nauka i zhizn' 30 no. 1:44-49 Ja '63.
- CYCLIC COMPOUNDS—SPECTRA**
Synthesis and study of Raman spectra of alicyclic chloro ethers. Shamkhal Mamkhal and others. Dokl. AN Azerb. SSR 19 no. 1:23-26 '63.
- CYCLISTS' TESTS**
Notification. N. Pliashkevich. Za bezop. dvizh. 5 no. 3:11 Mr '63.
- CYCLIZATION**
Catalytic conversion of n-heptane in the presence of glauconite. B. L. Kvirkashvili. Trudy Inst. khim. AN Gruz. SSR 16:89-98 '62.
- CYCLOALKANES**
Dehydrogenation catalysis as a method for investigating naphthenes at a present stage of development of the chemistry of alkanes and cyclanes. Kh. I. Areshidze. Trudy Inst. khim. AN Gruz. SSR 16:75-87 '62.
- CYCLOHEPTATRIENE**
Formation of cycloheptatriene from benzene, carbon monoxide, and hydrogen on cobalt catalysts. I. A. T. Eidus, B. K. Nefedov, M. E. Volpin. Izv. AN SSSR, Otd. khim. nauk no. 3:548-552 Mr '63.
- CYCLOHEXADIENEDICARBOXYLIC ACID**
Conjugation factors in cyclic systems. Report No. 6: Use of polarographic and potentiometric methods for studying electron interchange effects in cyclohexadiene-1,2-dicarboxylic acids and their methyl esters. S. O. Mairanovskii and others. Izv. AN SSSR, Otd. khim. nauk no. 2:240-245 F '63.
- CYCLOHEXADIENONE**
Phenol-diene regroupment in the reactions of phenols. V. V. Ershov, A. A. Volod'kin, G. N. Bogdanov. Usp. khim. 32 no. 2:164-194 F '63.
- CYCLOHEXANE**
Dehydrogenation of cyclohexane and hydrogenation of benzene in a fluidized bed of an alumina-palladium catalyst. Kh. M. Minshev, V. I. Garenin. Izv. AN SSSR, Otd. khim. nauk no. 3:528-531 Mr '63.
Reduction of nitrobenzene and nitrocyclohexane in the presence of a tin catalyst. M. F. Abidova and others. Uzb. khim. zhur. 7 no. 1:60-65 '63.
Some kinetic properties of the reaction of aromatic diamines with 1,6-hexamethylene diisocyanate. O. Ia. Fedotova, N. I. Skripchenko, I. P. Losev. Zhur. VKHO 8 no. 2:230-231 '63.
- CYCLOHEXANONE**
Tricyclic 1,5-diketone, a new product of the self-condensation of cyclohexanone. S. V. Svetozarskii, K. L. Feller, E. N. Zil'berman. Zhur. VKHO 8 no. 1:113-114 '63.
- CYCLOHEXENECARBOXYLIC ACID**
Configuration of δ -lactones formed during cyclization of geranylacetic acid. A. V. Semenovskii, V. A. Smit, V. F. Kucherov. Izv. AN SSSR, Otd. khim. nauk no. 3:558-560 Mr '63.
- CYCLOOCTADIENE**
Dimerization of butadiene to cis, cis-1,5-cyclooctadiene catalyzed by π -complex compounds of nickel. I. I. Zakharin, G. G. Zhigareva. Izv. AN SSSR, Otd. khim. nauk no. 2:388 F '63.
- CYCLOPENTANE**
Synthesis and transformations of 1-chloromethyl-1-methylcyclopentane. V. M. Vdovin and others. Izv. AN SSSR, Otd. khim. nauk no. 2:274-281 F '63.
- CYCLOPENTANECARBOXYLIC ACID**
Application of gas-liquid chromatography for the analysis of mixtures of esters of some aliphatic dibasic and cyclopentanecarboxylic acids. B. A. Rudenko, V. F. Kucherov. Izv. AN SSSR, Otd. khim. nauk no. 2:226-227 F '63.
- CYCLOPROPANE**
Conversions of 1-methyl-2- α -furylcyclopropane and 1-cyclopropyl-2- α -furylcyclopropane under catalytic hydrogenation conditions. N. I. Shulkin and others. Izv. AN SSSR, Otd. khim. nauk no. 3:521-524 Mr '63.
- CYCLOTRON**
Electron loading of a cyclotron resonator. B. A. Zager and others. Prikl. i tekh. eksp. 0 no. 2:20-24 Mr-Apr '63.
- CYLINDERS**
Differential equations of the equilibrium of a thick-walled cylinder of finite length considering the creep [with summary in English]. A. M. Pldgornyi. Prikl. mekh. 9 no. 1:77-86 '63.
Making cylinders by sawing. V. G. Kaporovich. Kuz. i stalm. proizv. 5 no. 3:19-22 Mr '63.
Study of the carrying capacity of thick-walled cylinders taking the effect of the structure of metal into account. V. A. Freitag. Khim. mashinost. no. 2:20-27 Mr-Apr '63.
- CYLINDERS—WELDING**
Making cylindrical structures from welded sheets. B. A. Zil'binov. Avtom. svar. 16 no. 3:73-75 Mr '63.
- CYMENE**
Thermodynamics of the process of cymene production. V. A. Sidorov. Khim. prom. no. 3:201-205 Mr '63.
- CYSTEIC ACID**
Synthesis of d, l-cysteic and β -sulfoacrylic acids starting from l, l, 1, 3-tetrachloropropane. R. Kh. Freidlina, B. V. Kopylova. Izv. AN SSSR, Otd. khim. nauk no. 2:298-301 F '63.
- CYSTS**
Progressive lobar emphysema and tension cysts of the lung in infants [with summary in English]. S. Ia. Doletskii, A. A. Ovchinnikova. Pediatrin 41 [i.e. 42] no. 2:55-64 F '63.
- CYTOLOGIC DIAGNOSIS** see Diagnosis, Cytologic
- CZECHOSLOVAKIA**
Nedosokhn, D. V. [Czechoslovakia] Chokostovaklia. Moskva, Izd-vo "Znanie," 1963. 48 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya: Geologiya i geografika, no. 7)
- CZECHOSLOVAKIA—BIBLIOGRAPHY**
[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 2/3 '63.
- CZECHOSLOVAKIA—BOTANICAL RESEARCH**
Botanical Institute of the Academy of Sciences of Czechoslovakia. S. Ilijny. Bot. zhur. 48 no. 2:307 F '63.
- CZECHOSLOVAKIA—COAL MINES AND MINING**
Basic problems and practice in planning new open-pit coal mines. K. Kubec. Sbor. trud. MISI no. 39:298-307 '61.
- CZECHOSLOVAKIA—CONSTITUTION**
Constitutional principles of Czechoslovak justice. V. Kolesnikov. Sov. iust. no. 8:23-25 Ap '63.
- CZECHOSLOVAKIA—COURTS**
Constitutional principles of Czechoslovak justice. V. Kolesnikov. Sov. iust. no. 8:23-25 Ap '63.
- CZECHOSLOVAKIA—EARTHMOVING MACHINERY**
Mechanization of earthwork in Czechoslovakia. A. Vaneck. Sbor. trud. MISI no. 30:390-405 '61.
- CZECHOSLOVAKIA—ECONOMIC CONDITIONS**
New phase in the development of Czechoslovakia. Čestmir Cisar. Kommunist 40 no. 7:102-109 My '63.
- CZECHOSLOVAKIA—ECONOMIC RESEARCH**
Economic research in the Czechoslovak Socialist Republic and its present-day objectives. Antonín Červinka. Kommunist 40 no. 7:113-117 My '63.

CZECHOSLOVAKIA—EDUCATION

Pioneer of communist education. František Holešový. *Nar. chr.* no. 4:102-103 Ap '63.
Schools with longer hours in the Czechoslovak People's Republic. Rudolf Opata. *Shkola-int.* no. 1:88-89 Ja-F '63.

CZECHOSLOVAKIA—EDUCATION, COOPERATIVE

Vocational orientation in the schools of Czechoslovakia. G. A. Kasvin. *Shkola i proizv.* 7 no. 4:82-84 Ap '63.

CZECHOSLOVAKIA—EXCAVATING MACHINERY

Outlook for improving the manufacture of excavators in Czechoslovakia. I. U. Pajer. *Sbor.trud,MISI* no.39:162-165 '61.
Use of rotary bucket excavators in heavy ground and mine areas and the possibility of increasing their capacity. I. Gajdar. *Sbor.trud,MISI* no.39:411-416 '61.

CZECHOSLOVAKIA—FOREIGN ECONOMIC RELATIONS

Czechoslovakia in the international division of labor. Jiří Novozánský. *Kommunist* 40 no. 7:100-113 My '63.

CZECHOSLOVAKIA—GEOGRAPHY—CONGRESSES

Ninth Congress of Czechoslovak Geographers. C. Votruba. *Izv. Vses. geog. ob-va* 95 no. 1:104-105 Ja-F '63.

CZECHOSLOVAKIA—GLACIAL EPOCH

Sediments of continental glaciation in Czechoslovakia. V. I. Shubayva. *Biol. Kom. Chetv. per.* no. 27:3-13 '62.

CZECHOSLOVAKIA—INSURANCE, SOCIAL

In fraternal Czechoslovakia. A. Levshin. *Sots. obesep.* 24 no. 3:60-63 Mr '63.
Social insurance of workers and employees in Czechoslovakia. V. Petrov. *Okhr. truda i sots. strakh.* no. 4:46-47 Ap '63.

CZECHOSLOVAKIA—INTELLECTUAL LIFE

With Czechoslovak intellectuals. Boris Krymov. *Nov. vrem.* 20 no. 10:14-15 My '63.

CZECHOSLOVAKIA—KNITTING MACHINES

Czechoslovak machinery for the knit goods industry. S. Mráček. *Tekst.prom.* 23 no. 4:58-60 Ap '63.

CZECHOSLOVAKIA—LIGNITE

Prerequisites for introducing conveyers in the mining of Czechoslovak brown coals. K. Kubec. *Sbor.trud,MISI* no. 39:417-421 '61.

CZECHOSLOVAKIA—LOCUSTS—EXTERMINATION

Practices in chemical extermination of locusts in Czechoslovakia. Jiří Zemánek. *Zashch. rast. ot vred.* i bol. 6 no. 8:52-54 Je '61.

CZECHOSLOVAKIA—MACHINERY INDUSTRY—MANAGEMENT

Improving the efficiency of administrative work in the machinery manufacturing of Czechoslovakia. K. Štětka. *Sots.trud* 8 no. 4:100-101 Ap '63.

CZECHOSLOVAKIA—MAPS

The history of cartography in Czechoslovakia. V. K. Tatauškil. *Izv. AN SSSR. Ser. geog.* no. 2:120-128 Mr-Ap '63.

CZECHOSLOVAKIA—MINE RAILROADS—TRACK

Tracks in Czechoslovakian open-pit mines. N. M. Zvukov. *Ugol'* 38 no. 4:56-57 Ap '63.

CZECHOSLOVAKIA—MOTOR SCOOTERS

The "Cezeta-505" motor-scooter truck. *Za rul.* 20 no. 5:17 My '62.

CZECHOSLOVAKIA—MUSIC

There is much to be done. J. Jiránek. *Sov. muz.* 27 no. 4:130-131 Ap '63.

CZECHOSLOVAKIA—OPERA

New operas. P. Ekshtein. *Sov. muz.* 27 no. 4:128-130 Ap '63.

CZECHOSLOVAKIA—PHYSICS—PERIODICALS

New Periodical. *Fiz. v shkole* 23 no. 1:107 Ja-F '63.

CZECHOSLOVAKIA—PHYSICS—STUDY AND TEACHING

Teaching physics in the schools of Czechoslovakia. A. S. Enolchovich. *Fiz. v shkole* 23 no. 1:34-38 Ja-F '63.

CZECHOSLOVAKIA—ROCK BURSTS

Acoustic observations of rock disintegration in the Anna Mine (Czechoslovakia). S. D. Vinogradov. *Izv. AN SSSR. Ser. geofiz.* no. 4:501-512 Ap '63.

CZECHOSLOVAKIA—STRING QUARTET

The Janáček Quartet. L. Ginzburg. *Sov. muz.* 27 no. 3:82-83 Mr '63.

CZECHOSLOVAKIA—STRIP MINING—EQUIPMENT AND SUPPLIES

Practice of mechanizing work and equipment repair in strip mines. I. Gajdar. *Sbor.trud,MISI* no. 39:483-485 '61.

CZECHOSLOVAKIA—STUDENT ACTIVITIES

Schools with longer hours in the Czechoslovak People's Republic. Rudolf Opata. *Shkola-int.* no. 1:88-89 Ja-F '63.

CZECHOSLOVAKIA—TEXTILE FABRICS—TESTING

Use of paper chromatography in the analysis of textiles. J. Šrámek. *Tekst.prom.* 23 no. 4:69-72 Ap '63.

CZECHOSLOVAKIA—TEXTILE FINISHING

Finishing of fabrics made from polyester fibers [abridged translation from the Czech]. Horálek. *Tekst.prom.* 23 no. 4:72-75 Ap '63.

CZECHOSLOVAKIA—TEXTILE INDUSTRY

Development of the textile industry of the Czechoslovak Socialist Republic. *Tekst.prom.* 23 no. 4:10-11 Ap '63.

CZECHOSLOVAKIA—WORLD WAR, 1939-1945

Friendship strengthened through the shedding of blood. V. M. Plotnikov. *Ukr. ist. zhur.* 6 no. 2:121-123 Mr-Ap '63.

CZECHS see subdivision under Kirghizistan

DDT (INSECTICIDE)

Effectiveness of combined use of DDT and superphosphate for potatoes. I. P. Zhuravleva, E. N. Stukalova, M. N. Grishkevich. *Zashch. rast. ot vred. i bol.* 6 no. 6:8-9 Je '61.

Resistance of the house fly (*Musca domestica vicina*) to the DDT preparation in Ashkhabad. A. P. Vazhev. *Vop. kraev. paraz. Turk. SSR* 3:239-242 '62.

DDT (INSECTICIDE)—THERAPEUTIC USE

Treatment of trichomonal colpitis with DDT emulsions. A. A. Sutluseva. *Kaz. med. zhur.* no. 5:36-39 S-O '62.

DAGHESTAN—CARBONATES

Distribution of chlorine, bicarbonates, and sulfates in Lower Cretaceous sediments of Daghestan. V. D. Patrashova. *Geol. nefli i gaza* 7 no. 3:52-56 Mr '63.

DAGHESTAN—CHLORINE

Distribution of chlorine, bicarbonates, and sulfates in Lower Cretaceous sediments of Daghestan. V. D. Patrashova. *Geol. nefli i gaza* 7 no. 3:52-56 Mr '63.

DAGHESTAN—EDUCATION—PERIODICALS

Local periodical. *Nar. chr.* no. 4:128 Ap '63.

DAGHESTAN—FISHES—FOOD

Propagation of *Syngnathus ovata* in the Caspian waters of Daghestan. G. A. Aligadzhiev. *Dokl. AN SSSR* 149 no. 3:707-710 Mr '63.

DAGHESTAN—HISTORY

History of Daghestan from the 6th to the 11th century; As-Sarir. V. M. Bellis. *Ist. zap.* 73:249-266 '63.

DAGHESTAN—MARRIAGE

Mutalimov, Sh. A. [Power of public influence] *Sila Oshchestvennogo vozdeistviya*. Makhachkala, Dagestan-skoe knizhnoe izd-vo, 1962. 40 p. (Biblioteka zhenshchiny-gorlanki) [MICROFILM]

DAGHESTAN—MOLLUSKS

Propagation of *Syngnathus ovata* in the Caspian waters of Daghestan. G. A. Aligadzhiev. *Dokl. AN SSSR* 149 no. 3:707-710 Mr '63.

DAGHESTAN—SOILS—CLASSIFICATION

Practice in the economic valuation of soils in Daghestan. F. Kondrashov, N. Abduragimov. *Ekon. sel'khoz.* 34 no. 3:100-104 Mr '63.

DAGHESTAN—SULFATES

Distribution of chlorine, bicarbonates, and sulfates in Lower Cretaceous sediments of Daghestan. V. D. Patrashova. *Geol. nefli i gaza* 7 no. 3:52-56 Mr '63.

DAGHESTAN—TROUT

Daghestan trout. I. U. S. Saidov. *Priroda* 62 no. 4:97-100 '63.

DAGHESTAN—WOMEN—RIGHTS OF WOMEN

Mutalimov, Sh. A. [Power of public influence] *Sila Oshchestvennogo vozdeistviya*. Makhachkala, Dagestan-skoe knizhnoe izd-vo, 1962. 40 p. (Biblioteka zhenshchiny-gorlanki) [MICROFILM]

DAIRY FARMS see subdivision under Ural Mountain region

DAIRY CATTLE BREEDING

Novikov, E. A. [Raising purebred dairy cattle] *Chistopородное razvedenie molochnogo skota*. Izd. 2, dop. i perer. Moskva, Sel'khozizdat, 1962. 356 p. (DNAL)

DAIRY PLANTS—EQUIPMENT AND SUPPLIES

Zolotin, I. U. P. [Circulation cleaning of dairy equipment] *TSirkulatsionnaya molka molochnogo oborudovaniya*. Moskva, Pishchepromizdat, 1963. 88 p.

DAIRYING

(see also subdivision under Tambov Province)
Osmonovskii, M. S. [Organization and construction of mechanized dairy sections] *Organizatsiya i stroitel'stvo mekhanizirovannykh ferm*. [Moskva] Mosk. rabochi, 1962. 150 p. (DNAL)

DAL'NEYE KONSTANTINOV DISTRIC—FARM

MECHANIZATION

Unanimous choice. V. Il'in. *Mol. komm.* no. 7:35-40 Ji '62.

DAMAGE CONTROL (WARSHIPS)

Methods of training in solving problems of reserve buoyancy and redressing the damage done to a ship. B. G. Shil'man. *Mor. sbor.* 46 no. 5:47-54 My '63.

DAMAGES

Bellakova, A. M. [Liability for damages caused to minors or to adults placed under guardianship] *Otvettvennost' za vred, prichinennyi maloletnim i nesovershennoletnim litsam; lektella*. [Moskva] Izd-vo Mosk. univ., 1963. 27 p.

DAMS

(see also subdivision under Chir-Yurt Hydroelectric Power Station; Switzerland)

Approximation method of determining temperatures of concrete masonry in dams under construction. G. N. Danilova, N. A. Buchko. *Gidr. stroi.* 33 no. 4:26-29 Ap '63.

Construction methods and percolation coefficients of dams made of nonhomogeneous materials. K. F. Artamonov, V. G. Teslenko, G. M. Mazur. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 5:107-115 '62.

Construction of dumped rock-fill dams filled with sand. V. I. Krasnov, N. P. Kolpashnikov. *Gidr. stroi.* 33 no. 4:20-21 Ap '63.

In the technical administration. *Gidr. stroi.* 33 no. 4:48 Ap '63.

New method of calculating arch dams as three-dimensional systems. I. I. Gudushauri. *Gidr. stroi.* 33 no. 4:30-32 Ap '63.

Study of the contact stability of inverted filters under drained concrete linings subject to pressure fluctuations. M. M. Biliashvili, M. G. Pyrov, M. G. Bugai. *Visti Inst. hidrol. i hidr. AN URSR* 21:43-55 '62.

DAMS—CONGRESSES

Conference on the design and construction of high earth and rock-fill dams. S. N. Moliseev. *Gidr. stroi.* 33 no. 4:61-62 Ap '63.

DAMS—DESIGN AND CONSTRUCTION

Some problems of the design and calculations for high core dams. V. G. Korotkin, D. M. Tartakovskii. *Gidr. stroi.* 33 no. 4:32-37 Ap '63.

DANCING

(see also subdivision under Uzbekistan)

[New ballroom dances] *Novye bal'nye tantsy*. Moskva, Sovetskaya Rossiya, 1963. 135 p. (Biblioteka khudozhestvennoi samodeiatel'nosti, no. 3)

"Today there is a dance at the club." E. Vinogradskaya. *Smena* 30 no. 11:25-26 Je '62.

DANCING—CHILDREN'S DANCES

Reznikova, Z. P. [Children dance] *Tantsulut deti*. Moskva, Sovetskaya Rossiya, 1963. 180 p. (Biblioteka v pomoshch' khudozhestvennoi samodeiatel'nosti, no. 6)

DANILOVICH, VSEVOLOD NIKOLAEVICH, 1904-1962
In memory of V. N. Danilovich. M. S. Babkova and others. *Geol. i geofiz.* no. 1:145-147 '63.

DANUBE RIVER—SHIPPING

Tasks and aims of the Danube Commission. *Mor. flot* 23 no. 1:39-40 Ja '63.

DARGOMYZHSKI, ALEKSANDR SERGEEVICH, 1813-1869

"Finnish fantasia." I. Ryzhkin. *Sov. muz.* 27 no. 2:38-43 F '63.

How they sold the "Stone guest." I. U. Kolesnychenko. *Ukraina* no. 6:16 Mr '63.

Pages from I. U. Platonova's autobiography. M. Pekelis. *Sov. muz.* 27 no. 2:53-56 F '63.

Letters written by A. S. Dargomyzhskii to Stanislaw Moniuszko. M. Pekelis. *Sov. muz.* 27 no. 2:50-52 F '63.

Two essays on Dargomyzhskii. M. Pekelis. *Sov. muz.* 27 no. 2:43-50 F '63.

DARKHAN DISTRICT, MONGOLIA—AGRICULTURE, COOPERATIVE

Agricultural cooperative society with a great future. *Sovr. Mong.* 7 no. 12:14-15 D '62.

DARVAGA RANGE—PLANTS, EDIBLE

Edible wild plants of the Darvaga Range. I. Mukhtidinov. *Bot. zhur.* 48 no. 3:418-422 Mr '63.

DATE PALM

Some characteristics of the anatomic root structure of Phoenix canariensis hort., as related to growing conditions. V. U. Dydrovskiy. *Visnyk Kyiv. un.* no. 3, Ser. biol. no. 1:23-34 '60.

DAUBIKHE VALLEY—COAL GEOLOGY

Age of coal-bearing sediments in the Dostoyevka deposit and its prospects [with summary in English]. I. I. Shaduro. *Geol. i geofiz.* no. 1:60-71 '63.

DAUBIKHE VALLEY—GEOLOGICAL TIME

Age of coal-bearing sediments in the Dostoyevka deposit and its prospects [with summary in English]. I. I. Shaduro. *Geol. i geofiz.* no. 1:60-71 '63.

- DAUGE, PAULS, 1869-1946**
P. Dauge, physician and revolutionist (1869-1946). M. S. Kats. Sov. zdrav. 22 no. 4:60-71 '63.
- DAVIDOV, KARL IUL'EVICH, 1838-1889**
A remarkable musician. L. Ginzburg. Sov. muz. 27 no. 4:84-87 Ap '63.
- DAY NURSERIES**
Implementation of nursery regimes (feeding, sleep, and stool habits). V. V. Ol'shevskaya. Med. sestra 21 no. 10:21-25 O '62.
- DEAF—MEANS OF COMMUNICATION**
Rau, F. F. [Training the deaf to pronounce] Obuchenie gluhozemnykh proznocheniyu. Moskva, Izd-vo Akad. nauk pedagog. nauk RSFSR, 1960. 231 p. diagrs. (IEN)
- DEAFNESS, INSTRUMENTS FOR** see Hearing aids, Mechanical
- DEATH—CAUSES**
Analysis of the causes of death in severe complications following pulmonary surgery under the conditions of a city hospital. T. A. Grasmik. Kaz. med. zhur. no. 5: 20-24 S-O '62.
- DEBADOV, DMITRI GEORGIEVICH**
The art legacy of Dm. Debadov. L. Korobov. Sov. foto 23 no. 3:18-21 Mr '63.
- DEBATES AND DEBATING**
Debates in community centers. E. Chukhman. Kul't. - pros. rab. 23 no. 11:51-53 N '62.
- DEBORIN, ABRAM MOISEVICH, 1881-1963**
A. M. Deborin; obituary. Vop. ist. 38 no. 4:218 Ap '63.
- DEBUSSY, CLAUDE, 1862-1918**
At the international conference. IU. Kremiev. Sov. muz. 27 no. 2:133-136 F '63.
"Debussy and the development of music in the 20th century." Sov. muz. 27 no. 2:133 F '63.
- DECEMBRISTS**
Borodavkin, A. P., and G. P. Shatrova. [G. S. Batenkov, a Decembrist] Dekabrist G. S. Batenkov. [Tomsk] Tomskoe knizhnoe izd-vo, 1960. 89 p. (Zamechatel'nye sibirskii)
- [MICROFILM]**
- DECIMAL CLASSIFICATION** see Classification, Decimal
- DECORATION AND ORNAMENT, TURKISH**
Origin of an element of Turkish ornament. IU. Miller. Soob. Gos. Erm. no. 23:50-52 '62.
- DECORATION AND ORNAMENT, UKRAINIAN** see subdivision under Bukovina
- DECORATIONS OF HONOR**
We congratulate you with high rewards, the heroes and builders of Almaty! Nar. khoz. Uzb. 5 no. 2:8-9 F '63.
- DEEP DRAWING (METALWORK)**
Dies for deep drawing using local cooling of the blank. V. N. Revinov. Kuz. - shtam. proizv. 5 no. 4:23-25 Ap '63.
New method of the deep drawing of parts on sheet-metal working hammers. S. V. Saparovskii, E. P. Smel'akov. Kuz. - shtam. proizv. 5 no. 4:25-27 Ap '63.
- DEEP-SEA DEPOSITS**
(see also subdivision under Caspian Sea; Donets Basin)
Possibility of calcium phosphate precipitation in seawater basins. E. V. Rozhkova, M. B. Serebriakova, T. V. Mekarova. Min. syr'e no. 6:46-60 '62.
- DEEP-SEA SOUNDING**
First inhabitants of the "Blue Continent." E. A. Plakhin. Okeanologiya 3 no. 2:348-349 '63.
- DEFECTIVE SPEECH** see Speech, Disorders of
- DEFENSE (CRIMINAL PROCEDURE)**
From the editor's mail. Sots. zakon. 39 no. 7:78 Ji '62.
Legal advice. Rad. pravo no. 2:154-155 Mr-Ap '63.
Soviet attorneys-at-law should always adhere to principles. IA. Palkin. Rad. pravo no. 2:113-115 Mr-Ap '63.
- DEFICIENCY DISEASES**
Carbohydrate-phosphorus metabolism in D avitaminosis. A. R. Boryms'ka. Vsiyky Kyiv. un. no. 1. Ser. biol. no. 2:181-184 '62.
Folic acid and vitamin B₁₂ treatment of children with nutritional anemia. R. I. Enikeeva. Kaz. med. zhur. no. 5:39-40 S-O '62.
- DEFORMATIONS (MECHANICS)**
Correction to the author's paper "Insertion of rigid stamps into a plastic half-space" (PMM, 1959, v. XXII, No. 2). D. D. Ivlev. Prikl. mat. i mekh. 27 no. 2:390-392 Mr-Ap '63.
Effect of temperature and stress on the elementary components of deformation during nickel creep. V. M. Rozenberg. Fiz. met. i metalloved. 15 no. 3:387-404 Mr '63.
- Effect of texture on X-ray intensity and the character of deformations at yield points in low-carbon steel. D. M. Vasil'ev, V. P. Plakhtii. Fiz. met. i metalloved. 15 no. 2:297-300 F '63.
Effect of the composition and structure of alloys in the system WC - Co and TiC - WC - Co on the strength limit during compression. V. I. Tumanov and others. Fiz. met. i metalloved. 15 no. 2:265-280 F '63.
Heterogeneity of deformations taking place in polycrystals. V. T. Troshchenko. Fiz. met. i metalloved. 15 no. 3:410-418 Mr '63.
Niobium substructure deformed by filing. A. A. Barba-reko, Tao TSzu-tsun [Tao Tsu-tsung]. Fiz. met. i metalloved. 15 no. 3:405-408 Mr '63.
Plastic deformation of hard alloys [with summary in English]. B. D. Grozin, V. M. Bakul', V. M. Pelopelin. Prikl. mekh. 9 no. 1:94-98 '63.
Secondary effects of the bending by a pair of beams with slightly bent axes. V. Kh. Metagov. Trudy GPI [Gruz.] no. 6:113-122 '61.
Significant deformations of an axisymmetric shell. L. A. Tolokonnikov. Nauch. trudy Tul. gor. inst. no. 3: 38-44 '61.
Significant plastic deformations of steel in a complex state of stress. L. S. Andreev. Nauch. trudy Tul. gor. inst. no. 3:55-68 '61.
Stability of thick circular plates during significant deformations. G. B. Kireeva. Nauch. trudy Tul. gor. inst. no. 3:44-49 '61.
Study of a round symmetrically compressed plate heavily loaded along the edge. N. F. Morozov. Izv. vys. ucheb. zav.; mat. no. 3:95-98 '63.
Transition theory of the flexure of strips. B. R. Seth. Prikl. mat. i mekh. 27 no. 2:380-382 Mr-Ap '63.
Variational equation for the problem of stability in a state of equilibrium. L. A. Tolokonnikov. Nauch. trudy Tul. gor. inst. no. 3:27-37 '61.
- DEFORMATIONS (MECHANICS)—MEASUREMENT**
Instruments for measuring significant deformations of pipeshaped specimens. L. S. Andreev. Nauch. trudy Tul. gor. inst. no. 3:49-54 '61.
The precision of measuring deformations of structures under field conditions. I. F. Bolgov. Izv. vys. ucheb. zav.; istoi. i arkhit. 8 no. 3:66-71 '63.
- DEGTYARSK REGION—MINING MACHINERY**
Efficiency of mechanization and automatic control of production in the Degtyarsk copper mine. A. N. Shilin. Gor. zhur. no. 3:13-15 Mr '63.
- DEHYDRATED MILK** see Milk, Dried
- DEHYDRATION (CHEMISTRY)**
X-ray examination of the process of dehydration of 12-silicotungstic and 12-phosphomolybdic acids. A. A. Babad-Zakhrilapin. Izv. AN SSSR. Otd. khim. nauk no. 2: 215-220 F '63.
- DEHYDROGENATION**
Dehydrogenation catalysis as a method for investigating naphthenes at a present stage of development of the chemistry of alkanes and cyclanes. Kh. I. Areshidze. Trudy Inst. khim. AN Gruz. SSR 16:75-87 '62.
- DEKABRISTS** see Decembrists
- DELAY LINES**
Bunching of electrons in the field of a delay system. V. N. Parygin. Radiotekh. i elektron. 8 no. 4:591-599 Ap '63.
Upper limit of stability of delay systems [with summary in English]. E. S. Piatnitskii. Avtom. i telem 24 no. 4:465-471 Ap '63.
- DELHI BOIL**
(see also subdivision under Ashkhabad; Kalai-Mor; Kara Kum Canal region; Turkmenistan)
Carriers of cutaneous leishmaniasis of the desert and the urban types. E. M. Belova. Vop. kraev. paraz. Turk. SSR 3:117-121 '62.
Mechanism of the transmission of the cutaneous leishmaniasis agent. M. A. Shoshina. Vop. kraev. paraz. Turk. SSR 3:133-136 '62.
New models for experimental study of cutaneous leishmaniasis. P. A. Petrishcheva, E. M. Belova. Vop. kraev. paraz. Turk. SSR 3:139-143 '62.
Susceptibility of house mice to cutaneous leishmaniasis. P. A. Petrishcheva, E. M. Belova. Vop. kraev. paraz. Turk. SSR 3:127-132 '62.
Triple infection of the hedgehog Hemiechinus albus major Ogney with cutaneous leishmaniasis. P. A. Petrishcheva, E. M. Belova. Vop. kraev. paraz. Turk. SSR 3:123-125 '62.
- DELHI BOIL—PREVENTIVE INOCULATION**
Some problems of the epidemiology of cutaneous leishmaniasis of the desert type and the importance of preventive vaccinations. G. A. Pravikov. Vop. kraev. paraz. Turk. SSR 3:71-76 '62.
- DELIRIUM TREMENS**
Preliminary data on the functional state of medullary hemopoiesis in delirium tremens. A. F. Gofman, IU. L. Shapiro. Probl. sud. psikh. no. 12:181-193 '62.
- DELIVERY OF GOODS** see subdivision under Arktyk'sk Province
- DELIVERY OF GOODS (LAW)**
The "Basic Principles of Civil Law" and the improvement of the delivery of goods contracts of business enterprises. V. Luts'. Rad. pravo no. 3:57-62 My-Ju '62.
Decisions of arbitration agencies. Rad. pravo no. 2: 138-140 Mr-Ap '63.
Decisions of arbitration agencies. Rad. pravo no. 2: 146-147 Mr-Ap '63.
In the State Arbitration Agency attached to the Council of Ministers of the U.S.S.R. Sots. zakon. 39 no. 7: 87-89 Ji '62.
- DEMOGRAPHY—CONGRESSES**
Several results of the First Interdepartmental Conference on the Geography of Population. O. A. Konstantinov. Izv. Vses. geog. ob-va 95 no. 1:32-40 Ju-P '63.
- DEMURRAGE**
Some problems concerning the determination of demurrage in the practice of the Maritime Arbitration Commission. K. I. Aleksandrova. Inform. sbor. TSNIMF no. 76. Mor. pravo i prak. no. 17:11-14 '62.
- DEMURRAGE (CAR SERVICE)**
Responsibility of enterprises for the compliance with the idle time norms for freight cars. S. I. Nekhaev. Zhel. dor. transp. 45 no. 1:61 Ju '63.
- DENDRINO, GHERASE, 1901-**
Discoveries and problems. V. Zaleskii. Sov. muz. 27 no. 1:30-39 Ju '63.
Gherase Dendrino speaks. Sov. muz. 27 no. 1:39 Ju '63.
- DENMARK—POLITICS AND GOVERNMENT**
Mogunova, M. A., and S. A. Malln. [Governmental system of Denmark] Gosudarstvennyi stroj Danii; Moskva. Goslurizdat, 1962. 72 p. (Gosudarstvennyi stroj stran mira)
- DENSITOMETERS**
Using the ADV-200 balance for determining liquid densities. M. D. Ippita, M. I. Tiutikova. Izv. tekhn. no. 8:27-33 Ag '62.
- DENTAL CLINICS**
Analysis of patients' visits and therapeutic work in the therapeutic section of a stomatologic polyclinic. T. T. Shkoliar and others. Stomatologiya 41 no. 6:23-29 S-O '62.
- DENTAL PROSTHESES**
Modification of removable partial prostheses. IU. A. Plakhin. Stomatologiya 41 no. 5:99 S-O '62.
Use of elastic plastic in the construction of postoperative prostheses. V. I. Sokolova, S. G. Gaden. Stomatologiya 41 no. 5:82-85 S-O '62.
- DENTISTRY**
(see also subdivision under Kirov Province; Mari A.S.S.R.; Sumy Province)
Duties of the medical nurse in the stomatological department. E. I. Gavrillov. Med. sestra 21 no. 10:43-50 O '62.
- DENTISTRY, OPERATIVE**
Preparing a splint of quick-setting plastic for the stabilization of the frontal teeth in paradentosis. K. F. Lepikhin. Stomatologiya 41 no. 5:80-82 S-O '62.
Therapeutic splints of quick-setting plastic for the fixation of loose teeth in paradentosis. M. A. Napadkov, L. IA. Chernyi. Stomatologiya 41 no. 5:79-80 S-O '62.
Transplantation of a nonerupted wisdom tooth into the socket of the first lower molar immediately after its removal. N. A. Chudnovskina. Stomatologiya 41 no. 6:45-47 S-O '62.
- DENTITION**
Delayed eruption of the permanent teeth. N. B. Viller. Stomatologiya 41 no. 5:92 S-O '62.
- DEPARTMENT STORES** see subdivision under Chuyskiy District
- DEPARTMENT STORES—AUDITING AND INSPECTION**
see subdivision under Alma-Ata Province
- DEPOLARIZATION (ELECTRICITY)**
Depolarizing effect of ultrasound as dependent on the pH of the solution. A. I. Ryzanov, B. B. Kudriavtsev. Prikl. ul'trakust. k issl. veshch. no. 16:13-24 '62.
- DEPRESSION, MENTAL**
New preparations for the treatment of depressive states; a survey of foreign literature. N. D. Lakosina, V. E. Rozhnov, B. A. Tselibeev. Prakt. sudebnopsikh. ekspert. no. 5:98-129 '61.
Serious violations of law committed in a state of reactive depression. G. P. Panteleeva. Prakt. sudebnopsikh. ekspert. no. 5:46-52 '61.
- DESCRIPTIVE GEOMETRY** see Geometry, Descriptive

DESERT FAUNA see subdivision under Soviet Central Asia

DESERT FLORA see subdivision under Soviet Central Asia

DESERTION AND NONSUPPORT

Love and the apartment; sad events after a wedding. Alfaksandra Dulevich. Rab. i sial. 39 no. 4:13-14 Ap '63.

DESIGN—STUDY AND TEACHING

A school for designers of visual propaganda materials. Z. Ivanova. Agitator no. 9:30-32 My '63.

DESIGN, INDUSTRIAL

Improving the design, planning and copying-duplicating operations. I. Lipnitskii. Mias. ind. SSSR 33 [i. e. 34] no. 2:38-39 '63.

"The new style" by A. V. Ikonnikov, G. P. Stepanov. Reviewed by A. K. Barutchev, Stroi. i arkhit. Len. 25 no. 4:28 Ap '63.

DESKS

Interesting suggestion. V. Labedev. Sots. obesp. 24 no. 4:21 Ap '63.

DESMANS

Desmans, A. Kurskou. Belarus' 20 no. 3:31 Mr '63.

DETERMINATIVE MINERALOGY see Mineralogy, Determinative

DETONATION

Glow of the low-velocity detonation front in nitroglycerin. O. S. Sosnova, I. M. Voskoboynikov, A. V. Dubovik. Dokl. AN SSSR 149 no. 3:642-643 Mr '63.

Some studies of spin detonation. A. A. Borisov, S. M. Kogarko. Dokl. AN SSSR 149 no. 3:623-625 Mr '63.

DETONATIONS—SAFETY MEASURES

Preventing untimely detonations of electric detonators. L. S. Tonkoshkur. Bezop. truda v prom. 7 no. 4:10-11 Ap '63.

DEUTERIUM OXIDE—PHYSIOLOGICAL EFFECT

New scientific discoveries and technological innovations. Belarus' 20 no. 3:31 Mr '63.

DEXTIN

Participation of adenosinetriphosphoric acid in transport reactions of glycosyl groups. A. N. Petrova. Dokl. AN SSSR 148 no. 4:940-951 F '63.

DIABETES

Cholesterol, phospholipide, protein, and lipoprotein content of the blood serum in diabetes mellitus during treatment with sulfonylurea derivatives [with summary in English]. P. A. Sil'nitskii. Sov. med. 26 no. 1:38-42 Ja '63.

Injury of the peripheral nervous system in diabetes mellitus (diabetic polyneuritis). A. S. Lipmanovich, Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2: 105-111 '61.

DIAD'KA (THE WORD)

"Diad'ka" in ancient Russia. V. K. Gardanov. Ist. zap. no. 71:236-250 '62.

DIAGNOSIS, CYTOLOGIC

Abramov, M. G. [Clinical cytology] Klinicheskaya citologiya. Moskva, Medgiz, 1962. 411 p. (DNLM)

DIAGNOSIS, DIFFERENTIAL

Differential diagnosis of pathological intoxication. V. E. Rozhnov, Z. G. Turova. Probl. sud. psikh. no. 12:33-39 '62.

DIALECTICAL MATERIALISM

"Formation of Marxist philosophy" by T. I. Otzerman. Reviewed by M. Mitin. Kommunist 40 no. 6:116-120 Ap '63.

General characteristics and general quantitative relations. A. D. Vislobokov. Uch. zap. kaf. dial. i ist. mat. no. 3:102-114 '63.

Materialistic understanding of history in a social science textbook. IU. A. Krasin. Prep. ist. v shkole 18 no. 2: 83-94 Mr-Apr '63.

"Problems of the coincidence of dialectic, logic, and theory of knowledge in V. I. Lenin's 'Philosophical notebooks'" by A. Kh. Kasymzhanov. Reviewed by R. Sulaimenov. Part. zhizn' Kazakh. 33 no. 3:73-76 Mr '63.

Scholarly research in the departments of dialectical and historical materialism of the schools of higher party education. Uch. zap. kaf. dial. i ist. mat. no. 3:115-142 '63.

Significance of the methods of negation for the interpretation of the law of the "negation of negation." B. I. Osokin. Trudy GPI 16 no. 3:84-91 '60.

Volko, V. I. [Dialectical and historical materialism] Dialekticheski i istoricheski materializm; kurs lektsii. [Kiev] Izd-vo Kievskogo univ., 1962. 389 p.

DIALECTICAL MATERIALISM—BIBLIOGRAPHY see Bibliography—Dialectical materialism

DIALECTICAL MATERIALISM—STUDY AND TEACHING

Razin, V. I. [How to guide a philosophy study group] Kak provodit' zaniatia po filosofii. Moskva, Gospolitizdat, 1962. 43 p. (Metodicheskie sovery po filosofii)

DIALYSIS

Changes in the absorption spectra of aqueous solutions of iodopolyvinylpyrrolidone and iodopolyvinyl alcohol in the process of their dialysis. V. O. Mokhuach, I. P. Zueva. Zhur. neorg. khim. 8 no. 3:658-671 Mr '63.

Study of the state of niobium in alkaline and hydrochloric solutions by the dialysis method. G. I. Gridchina. Zhur. neorg. khim. 8 no. 3:634-640 Mr '63.

DIAMAGNETISM

Diamagnetism of conduction electrons in weak coupling approximation. A. G. Samoilovich, E. I. A. Rabinovich. Fiz. tver. tela 5 no. 3:773-782 Mr '63.

DIAMOND MINES AND MINING see subdivision under Africa

DIAMONDS

Orientation of graphite generated in a diamond following its allotropic transformation by heating. V. M. Titova, S. I. Futergendler. Kristallografiya 7 no. 6:926-929 N-D '62.

DIAMONDS, ARTIFICIAL

Mystery of compressed atoms. Irina Radunskaia. Smena 39 no. 17:18-20 S '62.

DIAPHRAGM

Morphological changes in the diaphragm in peritonitis in elderly and senile persons treated with antibiotics. S. M. Lutsenko. Trudy Kish. gos. med. inst. 12:0-17 '60.

DIAPHRAGM—HERNIA

Strangulated left-side diaphragmatic hernia. V. V. Stepaniants. Zdrav. Turk. 7 no. 2:27-28 F '63.

DIATHERMY, SURGICAL see Electrosurgery

DIATHESIS

Exudative diathesis. A. Iofe. Rab. i sial. 39 no. 2:22 F '63.

DIATOMACEOUS EARTH

Use of diatomite in the winemaking industry. G. D. Ratushnyi. Trudy KIPP no. 22:389-395 '61.

DIATOMS see subdivision under Dogo River

DIATOMS, FOSSIL see subdivision under Kardashinka region

DIAZO COMPOUNDS

Advances in the chemistry of aromatic diazo compounds. B. I. Belov, V. V. Kozlov. Usp. khim. 32 no. 2:121-153 F '63.

Diazometric method of analysis. Report No. 1: Determination of aromatic diazo compounds [with summary in English]. A. P. Terent'ev, I. S. Tubina. Zhur. anal. khim. 18 no. 1:113-115 Ja '63.

Printing surface made with diazo compounds. S. D. Khudina. Poligr. proizv. no. 3:26 Mr '63.

DIAZONIUM COMPOUNDS

Double diazonium salts of monovalent copper. L. A. Kozitsyna and others. Izv. AN SSSR. Otd. khim. nauk no. 3:562-563 Mr '63.

Polymers with the system of conjugated bonds and heteroatoms in the conjugation chain. Part 26: Polyzapophenyleneferrocenes [with summary in English]. A. A. Berdn, B. I. Llogon'kii, V. P. Parini. Vysokom. soed. 5 no. 3:330-337 Mr '63.

DIBENZOPHENAZINE

Rearrangement of 6-acyloxy-6-alkyl-5,6-dihydro-[1,2,3,4'-tetrahydronaphth[1',2',3',4']-1,2,5-oxadiazines] to derivatives of dibenz-(a, h)phenazine. V. A. Koptug, L. B. Volodarskii. Zhur. V KHO 8 no. 1:115 '63.

DIBIOMYCIN

Emergency prophylaxis for ornithosis by means of dibiomycin; development of a scheme for its use [with summary in English]. I. I. Tersikh, O. M. Popova. Vop. virus. 7 no. 6:712-715 N-D '62.

DICTATORSHIP OF THE PROLETARIAT

Berkhin, I. B. [From the dictatorship of the proletariat to the national state] Ot gosudarstva diktatury proletariata k obshchenarodnomu gosudarstvu; istoricheski ocherk. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seriya: Istoriia, no. 8)

DICTIONARY CATALOGS see Catalogs, Dictionary

DIE CASTING

Casting steel drums in half-chills. E. I. Leznov. Lit. proizv. no. 4:41 Ap '63.

Increasing the stability of crucibles in melting and distributing furnaces in die casting foundry shops. V. V. Buchnitskii, I. P. Fominykh. Lit. proizv. no. 4:44-45 Ap '63.

Shrinkage cracks during iron casting in metal molds. L. B. Kogan and others. Lit. proizv. no. 4:32-34 Ap '63.

Zaslavskii, M. L. [Die casting; review of foreign practices] Lit'e pod davleniem; obzor zarubezhnogo opyta. Moskva, TSNTMASH, 1961. 151 p.

DIELECTRIC CONSTANTS

Determining the specific inductive capacitance of a non-homogeneous dielectric. A. A. Imas. Izv. AN Uz. SSR. Ser. tekhn. nauk 7 no. 2:5-16 '63.

Dielectric loss and the permeability of vitreous crystalline materials of the cordierite system. M. D. Mashkovich. Fiz. tver. tela 5 no. 3:843-850 Mr '63.

Effect of hydrostatic pressure on the polymorphic transition point of the antiferroelectric Fe_2MgWO_6 . I. N. P. Androv. Fiz. tver. tela 5 no. 4:1147-1149 Ap '63.

DIELECTRIC LOSS

Acoustic and dielectric losses in the melting region of benzene. N. L. Koshkin, D. V. Sholoput. Prikl. ul'tra-akust. k issl. veshch. no. 10:91-95 '62.

Dielectric loss and the permeability of vitreous crystalline materials of the cordierite system. M. D. Mashkovich. Fiz. tver. tela 5 no. 3:843-850 Mr '63.

DIELECTRICS

New devices for dielectric separation of minerals. E. V. Rozhkova, K. S. Ershova, O. V. Shcherbak. Min. syr'ye no. 4:148-151 '62.

DIELECTRICS—CONGRESSES

Vsesoyuznaya konferentsiya po fizike dielektrikov. 2d. Dnepropetrovsk, 1958. [Proceedings of the Second All-Union Conference on the Physics of Dielectrics] Trudy, Moskva, Izd-vo Akad. nauk SSSR, 1960. 1 v. (NJP)

DIES (METALWORKING)

Dies for manufacturing disks. G. Gusev. Shkola i proizv. 7 no. 2:77-79 F '63.

Dies for the curling of wire parts. V. P. Stepanov. Kuz. -shtam. proizv. 5 no. 3:47-48 Mr '63.

Dies for deep drawing using local cooling of the blank. V. N. Revinov. Kuz. -shtam. proizv. 5 no. 4:23-25 Ap '63.

Durability of dies for embossing spoons in relief. A. P. Dubinin, A. D. Prokof'ev. Kuz. -shtam. proizv. 5 no. 4: 8-9 Ap '63.

Forging and annealing blanks for dies used in cold upsetting. I. I. Kheifets, A. S. Rogatkov. Kuz. -shtam. proizv. 5 no. 4:16-17 Ap '63.

Punch forging in power hammer dies. A. S. Kleshechev. Kuz. -shtam. proizv. 5 no. 4:46-47 Ap '63.

Universal adjustment die for hole punching. V. V. Shtetnman, E. B. Lurie. Kuz. -shtam. proizv. 5 no. 3:45-47 Mr '63.

Universal set, pass inserts, and die chocks for crank presses in forging. G. K. Nikolaev. Kuz. -shtam. proizv. 5 no. 4:12-16 Ap '63.

Vitolins, O. [Effect of small angles of inclination of the bottom die cavity on the economic accuracy of forged parts and the life of the die] Vliyanie mal'kikh uglov uklona rabochego otverstiya matritsy na ekonomicheskuyu tochnost' shtampovannykh detalей i srok sluzhby shtampa; radioelektronicheskaya i metalloobrabatывayushchaya promyshlennost'. Riga, TSentr. biuro tekhn. informatsii, 1962. 16 p.

DIES (METALWORKING)—MAINTENANCE AND REPAIR

Conference on the hard facing of dies. V. A. Timchenko. Avtom. svar. 16 no. 3:96 Mr '63.

DIESEL ENGINES

Length of the atomized fuel jet in a diesel engine. R. V. Rusinov. Vest. mashinost. 43 no. 4:19-24 Ap '63.

Temperature conditions of the operation of crankshaft bearings of diesel engines. L. D. Shtelnberg. Vest. TSNIIMPS 22 no. 2:28-31 '63.

DIESEL ENGINES—MAINTENANCE AND REPAIR

Avrunin, A. G. [Diesel engine 2D100 for diesel locomotives; its maintenance and repair] Teplovoznii dizel' 2D100; tekhnicheskoe obshchizivanie. Izd. 2. Ispr. i dop. Moskva, Transzheldorizdat, 1963. 313 p.

DIESEL FUELS

Hydrofining of diesel fuels with an important reduction in hydrogen consumption. M. V. Rysakov and others. Khim. i tekhn. topl. i mosel. 8 no. 3:7-11 Mr '63.

Neutralizing properties of the oil admixtures for engines operated with sulfurous fuel. V. V. Vasil'eva. Vest. TSNIIMPS 22 no. 2:32-35 '63.

Somov, V. A., and P. P. Botkin. [Fuel for diesel transportation engines] Toplivo dla transportnykh dizelov. Leningrad, Sudpromgiz, 1963. 355 p.

DIESEL FUELS—STANDARDS

Diesel-engine oils. I. F. Blagovidov, I. E. Zhelnin. Standartizatsiya 27 no. 3:40-43 Mr '63.

DIESEL LOCOMOTIVES see subdivision under Lugansk

DIESEL LOCOMOTIVES—ELECTROMECHANICAL ANALOGIES

Construction of an electronic model of the engine and regulator of the TE-10 diesel locomotive. V. G. Vasil'ev, L. E. Timanovskaya. Izv. vys. ucheb. zav., elektromekh. 6 no. 2:205-216 '63.

- DIESEL LOCOMOTIVES—HYDRAULIC DRIVE**
Sharoiko, P. M., and V. T. Sereda. [Hydraulic transmissions of diesel locomotives] *Gidravlicheskie peredachi teplovozov*. Moskva, Transzheldorizdat, 1963. 173 p.
- DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR**
Borodulin, I. P. [Industrial training of mechanics for the repair of electrical equipment and underframes of diesel locomotives in professional technical schools] *Proizvodstvennoe obucheniye slesarei po remontu elektrooborudovaniya i ekipazhnoi chasti teplovozov v professional'no-tekhnicheskikh uchilishchakh; metodicheskoe posobie*. Moskva, Proftekhizdat, 1962. 152 p.
- DIESEL LOCOMOTIVES—MODELS**
Construction of an electronic model of the engine and regulator of the TE-10 diesel locomotive. V. G. Vasil'ev, L. E. Timanovskaya. *Izv. vys. ucheb. zav. i elektromekh.* 6 no. 2:205-216 '63.
- DIESEL LOCOMOTIVES—TESTING**
Results of dynamic testing of the TU₄-4 diesel locomotive with longitudinal and transverse balance beams. S. A. Abramov, A. I. Loginov. *Trudy TSNIME* no. 36: 3-10 '62.
Results of the traction and thermomechanical testing of the TGM3^A diesel locomotive. N. N. Kornev, A. S. Ereemeev. *Vest. TSNiI MPS* 22 no. 2:16-19 '63.
- DIET** see subdivision under White Russia
- DIET IN DISEASE**
Feeding of patients suffering from circulatory insufficiency. V. S. Karysheva. *Med. sestra* 21 no. 11:39-44 N '62.
- DIFFERENCE EQUATIONS**
Canonical types of systems of linear ordinary difference equations with constant coefficients. S. K. Godunov, V. S. Riaben'kii. *Zhur. vych. mat. i mat. fiz.* 3 no. 2: 211-222 Mr-Apr '63.
Derivation of periodic solutions to differential and difference equations using the drift method. A. A. Avramov, V. B. Andreev. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:377-381 Mr-Apr '63.
Explicit difference systems stable in C_1 with constant real coefficients stable in l_2 . S. I. Serdyukova. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:365-370 Mr-Apr '63.
Measures in functional space and difference schemes. E. V. Maikov, S. V. Fomin. *Dokl. AN SSSR* 149 no. 3: 523-528 Mr '63.
Stability of difference schemes. A. N. Tikhonov, A. A. Samarskii. *Dokl. AN SSSR* 149 no. 3:529-531 Mr '63.
Stability of "oblique" difference systems. V. B. Balkin. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:381-385 Mr-Apr '63.
Uniform difference systems on nonuniform nets for parabolic equations. A. A. Samarskii. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:266-298 Mr-Apr '63.
Use of difference splitting operators. E. G. D'Yakonov. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:385-388 Mr-Apr '63.
- DIFFERENTIAL DIAGNOSIS** see Diagnosis, Differential
- DIFFERENTIAL EQUATIONS**
Applicability of Fourier's method to the solution of a mixed problem for a certain class of quasi-linear hyperbolic equations. A. I. Guseinov, K. K. Gasanov. *Dokl. AN SSSR* 148 no. 4:761-764 F '63.
Approximate solution of differential equations with reflecting argument. N. V. Sharkova. *Izv. vys. ucheb. zav. i mat.* no. 3:173-184 '63.
Approximate solution to Cauchy's problem for ordinary differential equations with a preassigned number of correct places. Part 1. A. D. Gorbunov, I. U. A. Shakhov. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:235-253 Mr-Apr '63.
Calculation of a boundary layer by the fractional step method [with summary in English]. L. A. Rozin. *Vest. LGU* 18 no. 7:128-140 '63.
Calculation of ferromagnetic fields using a finite difference technique. M. Kotai. *Izv. vys. ucheb. zav. i elektromekh.* 6 no. 2:143-157 '63.
Corrections to normal equations in the least squares method for more accurate definition of crystalline structures. V. F. Dvorlankin, F. A. Brusentsev. *Kristallografiya* 7 no. 6:954-956 N-D '62.
Derivation of periodic solutions to differential and difference equations using the drift method. A. A. Avramov, V. B. Andreev. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:377-381 Mr-Apr '63.
A differential equation with a small parameter. N. S. Satekaia. *Mat. sbor.* 50 no. 4:499-505 Ap '63.
"Discrete variable methods in ordinary differential equations" [in English] by P. Henrici. Reviewed by M. K. Kerimov. *Zhur. vych. mat. i mat. fiz.* 3 no. 2: 414-415 Mr-Apr '63.
Equations of steady convection. M. R. Ukhovskii, V. I. Rudovich. *Prikl. mat. i mekh.* 22 no. 2:295-300 Mr-Apr '63.
First boundary value problem for nonlinear parabolic equations. S. I. Khudiaeov. *Dokl. AN SSSR* 149 no. 3: 535-538 Mr '63.
- Kinetic equation of a nonideal Fermi-system. I. B. Aleksandrov, I. U. A. Kukhareno, A. B. Niukkanen. *Dokl. AN SSSR* 149 no. 3:557-560 Mr '63.
A method for studying integral curves in the large. Kh. R. Latipov. *Izv. AN Uz. SSR. Ser. fiz. -mat. nauk* 7 no. 1:26-29 '63.
"Methods of mathematical physics," Vol. 2 [in English] by R. Courant, D. Hilbert. "Partial differential equations" [in English] by R. Courant. Reviewed by P. I. Lizorkin. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:411-412 Mr-Apr '63.
Necessary condition for the asymptotic representation of solutions in a certain class of differential equations. L. M. Muratov. *Izv. vys. ucheb. zav. i mat.* no. 3:107-108 '63.
Nonuniform asymptotic stability. M. Reigish. *Prikl. mat. i mekh.* 27 no. 2:231-243 Mr-Apr '63.
On the equation $\frac{d\mathbf{p}}{dt} = \mathbf{f} - \mathbf{a}$ on the phase space of a dynamic system. M. I. Grabar'. *Dokl. AN SSSR* 148 no. 4:757-760 F '63.
Periodical and bounded solutions to the equation $\ddot{x} + p(x)\dot{x} + q(x) = 0$, $p(x) \neq 0$. N. P. Erublin. *Vest. AN BSSR. Ser. fiz.-tekhn. nav.* no. 1:5-13 '63.
Singular points in solutions to nonlinear differential equations. V. V. Leonov. *Izv. vys. ucheb. zav. i mat.* no. 3: 85-87 '63.
Some cases of integrability of equations describing the motion of a mass point acted upon by the Newtonian force and additional perturbing forces. K. G. Valeev. *Prikl. mat. i mekh.* 27 no. 2:211-217 Mr-Apr '63.
Some properties of systems of differential equations. B. M. Cherdak. *Uch. zap. Ped. inst. Gerts.* 238:149-156 '62.
Theorem on homeomorphisms and a local increase in smoothness up to the boundary of solutions to elliptic equations. I. U. M. Berezanskii, S. G. Krein, I. A. Roitberg. *Dokl. AN SSSR* 148 no. 4:745-748 F '63.
Upper and lower bound approximation in numerical integration of ordinary differential equations. V. I. Deviatko. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:254-265 Mr-Apr '63.
Use of the contour integral in solving n-dimensional mixed problems for parabolic differential equations. M. L. Rasulov. *Mat. sbor.* 60 no. 4:393-410 Ap '63.
- DIFFERENTIAL EQUATIONS—NUMERICAL SOLUTIONS**
A method for solving nonlinear problems of the stability of systems undergoing deformation. V. I. Feodos'ev. *Prikl. mat. i mekh.* 27 no. 2:265-274 Mr-Apr '63.
Numerical integration of differential equations by means of summation formulas. A. K. Dzhozdzua. *Trudy GPI [Gruz.]* no. 6:35-45 '61.
Periodic solutions to second-order dynamic systems closely approaching piecewise linear systems. N. N. Serebriakova. *Prikl. mat. i mekh.* 27 no. 2:218-230 Mr-Apr '63.
- DIFFERENTIAL EQUATIONS, LINEAR**
Construction of the solution to a system of linear differential equations near a regular singular point. K. G. Vateev. *Izv. vys. ucheb. zav. i mat.* no. 3:119-122 '63.
Differential properties of bounded generalized solutions to quasi-linear systems of the variational type [with summary in English]. A. P. Oskolkov. *Vest. LGU* 18 no. 7:19-29 '63.
Hyperbolic systems of linear equations with discontinuous coefficients. N. N. Kuznetsov. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:299-313 Mr-Apr '63.
Method of nets as applied to a hyperbolic system of quasilinear equations on a plane. A. I. Lepin. *Dokl. AN SSSR* 149 no. 3:516-517 Mr '63.
Solution of A. Poincaré's pseudolinear system in the case where the characteristic equation contains a zero root. M. B. Sizov. *Izv. vys. ucheb. zav. i mat.* no. 3:153-157 '63.
Using A. M. Liapunov's direct method in studying the stability of systems of linear differential equations with periodic coefficients. E. G. Ivanov. *Nauch. trudy Tul. gor. inst.* no. 3:91-101 '61.
- DIFFERENTIAL EQUATIONS, PARTIAL**
An analogue of Fuks' theorem for solutions to linear partial equations. Sh. I. Strelits. *Mat. sbor.* 60 no. 2: 121-130 F '63.
Approximate solution of Dirichlet's problem for an elliptic partial differential equation using the method of straight lines. E. O. Omarov. *Izv. AN Uz. SSR. Ser. fiz. -mat. nauk* 7 no. 1:21-25 '63.
Characteristics of fundamental solutions to partial differential equations with constant coefficients. V. A. Golubeva. *Dokl. AN SSSR* 149 no. 3:505-508 Mr '63.
Extremum properties of the solutions to certain classes of second-order partial differential equations and their applications to gas flows. D. B. Kiklin. *Prikl. mat. i mekh.* 27 no. 2:356-358 Mr-Apr '63.
Using Hamilton-Jacobi's method in variational problems with partial derivatives. K. A. Lur'e. *Prikl. mat. i mekh.* 27 no. 2:255-264 Mr-Apr '63.
- DIFFRACTION**
Effect of surface obstructions on the propagation of radio waves. E. M. Gunninen and others. *Probl. dif. i raspr. voln* 2:166-211 '62.
- New representations of diffraction fields in wedge-shaped regions with ideal boundaries. A. A. Tuzhilin. *Akust. zhur.* 9 no. 2:200-214 '63.
- Ufimtsev, P. I. A. [Edge wave method in physical diffraction theory] *Metod krakovykh voln v fizicheskoi teorii difraktsii*. S predisl. L. A. Vainshteyna. Moskva, Sovetskoe radio, 1962. 242 p.
- DIFFRACTION GRATINGS**
Use of reflecting diffraction gratings in interference systems for measuring linear shifts. Part 1. G. N. Rassudova, P. M. Gerasimov. *Opt. i spekt.* 14 no. 3: 406-413 Mr '63.
- DIFFUSERS**
Experimental study of the turbulent heating of a boundary layer in the motion of a gas in axisymmetrical diffusers with cooled walls. P. N. Romanenko, A. I. Leont'ev. *Trudy MFT* no. 139:134-150 '61.
- DIFFUSERS—CORROSION**
Methods for increasing the corrosion resistance of metals in diffuser units. V. M. Shchegolov. *Khar. prom.* no. 1:33-40 Ja-Mr '63.
- DIFFUSION**
Calculating coefficients of self-diffusion in simple liquid metals according to the rate of fluctuation of the first coordination number. L. A. Kolesov. *Fiz. met. i metalloved.* 15 no. 2:260-263 F '63.
Determination of the adsorption coefficient during a process of diffusion in metallic oxides. V. I. Izvekov, N. S. Gorbunov. *Izv. AN SSSR. Otd. khim. nauk* no. 3:459-471 Mr '63.
Diffusion from an instantaneous source in a gravitational field. A. S. Kompaneets. *Dokl. AN SSSR* 149 no. 3: 554-556 Mr '63.
Diffusion of components in molybdenum-tungsten alloys. M. D. Smolin. *Fiz. met. i metalloved.* 15 no. 3:472-473 Mr '63.
Diffusion of radiogenic gases from minerals [with summary in English]. A. N. Murin, S. N. Bannanovich, I. M. Morozova. *Geokhimiya* no. 10:874-879 '62.
Effect of pressure on the interdiffusion of metals in connection with the effect of the occurrence of diffusion porosity. I. A. Geguzin, A. S. Dzuba. *Fiz. tsvet. i metalloved.* 15 no. 2:290-292 F '63.
Effect of small additions of magnesium on the self-diffusion of iron. A. P. Likhachenko, D. G. Shevchenko, V. I. Udalov. *Fiz. met. i metalloved.* 15 no. 2:293-297 F '63.
Mechanism of diffusion in body-centered iron. M. A. Kriashchik, A. P. Mokrov. *Fiz. met. i metalloved.* 15 no. 3:456-458 Mr '63.
Mechanism of reactive diffusion in the system copper-sulfur. A. Briukman, S. Mirovets, T. Verber. *Fiz. met. i metalloved.* 15 no. 3:362-370 Mr '63.
Role of diffusion in crystallization from solutions. F. I. Treilvis. *Zap. Vses. min. ob-va* 92 no. 1:124-126 '63.
- DIGESTION**
Effect of the perfusion rate on the cavitary and parietal hydrolysis of starch and sucrose. N. N. Kuznetsov, A. M. Ugolev, I. N. Fedushkina. *Dokl. AN SSSR* 149 no. 3: 746-749 Mr '63.
- DIGESTIVE ENZYMES**
On the digestive enzymes of the placenta and the digestive organs of sheep fetuses. L. T. Kapralova. *Dokl. AN SSSR* 148 no. 4:905-908 F '63.
- DIGESTIVE ORGANS—DISEASES**
Alcoholism and diseases of the digestive organs. M. S. Shur. *Med. sestra* 21 no. 12:27-31 D '62.
Characteristics of the night sleep in patients with diseases of the digestive system during treatment at Yessentuki health resort. G. M. Krashenitsa. *Vop. kur., fizioter. i lech. fiz. kul't.* 28 no. 1:53-60 '63.
- DIGESTIVE ORGANS—INSECTS**
Functions of the housefly intestine prior to the onset of feeding. D. P. Zhuzhikov. *Nauch. dokl. vys. shkoly: biol. nauki* no. 2:23-27 '63.
- DIGITALIS**
Digitalis treatment in cardiac insufficiency developed on a rheumatic basis. S. Sh. Shamsiev. *Pediatrics* 41 [i.e. 42] no. 2:52-55 F '63.
- DIKI, ALEKSEI DENISOVICH, 1890-**
Some of A. D. Diki's precepts. P. Ershov. *Teatr* 24 no. 3:64-72 Mr '63.
- DILATOMETER**
Dilatometric study of the shrinkage and swelling of cement mortar during its setting and initial hardening. N. A. Popov, G. I. Gorezhakov, I. I. Lifanov. *Izv. vys. ucheb. zav. i stroit. i arkhit.* 6 no. 3:122-130 '63.
- DIMENSIONAL ANALYSIS**
Calculation of the heating of bodies subject to the action of radiant heat using the similitude theory. G. P. Holikov. *Trudy MFT* no. 139: 105-110 '61.
Characteristics of the dimensionality of a metric space using the dimensional properties of its mappings onto Euclidean spaces. M. L. Shersenov. *Mat. sbor.* 60 no. 2:207-218 F '63.

DIMENSIONAL ANALYSIS (Continued)

- Heat similitude, convective heat exchange, and entropy. I.A. L. Asnin. Trudy MIIT no. 139:78-81 '61.
- Laws governing the motion of a liquid under pressure in circular pipes. A.V. Teplov. Trudy MIIT no. 139:72-78 '61.
- On P.K. Konakov's article in IFZh no. 6, 1962. A.S. Neveki. Inzh.-fiz. zhur. 6 no. 3:127-130 Mr '63.
- Present state of the similitude theory and prospects for using it in heat engineering. P.K. Konakov. Trudy MIIT no. 139:4-10 '61.
- Problems concerning the formulation of experiments and the similitude theory. S.G. Teletov. Trudy MIIT no. 139:44-54 '61.
- Relationship between physical modeling and the theory of similitude with mathematical modeling and computer technology. V.A. Venikov. Trudy MIIT no. 139:20-31 '61.
- Reports presented at the Plenary Session of the Inter-university Conference on Similitude Theory and its use in Heat Engineering. A.A. Gukhman. Trudy MIIT no. 139:31-44 '61.
- Similitude criteria of heat and mass transfer in dispersive media. I.U.A. Mukhamlov. Trudy MIIT no. 139:172-182 '61.
- Study of the operation of automobile engines using the similitude theory. S.N. Dashkov. Trudy MIIT no. 139:230-244 '61.
- Thermal calculations of piston-type machines based on the similitude theory and prospects of the development of such machines. V.V. Lakhman. Trudy MIIT no. 139:224-228 '61.
- Use of integral transformations in the study of heat and mass transfer effects and their relationship to the similitude theory. A.V. Lykov. Trudy MIIT no. 139:10-19 '61.
- Use of similitude theory apparatus for determining the heating of braking devices. M.P. Aleksandrov. Trudy MIIT no. 139:263-270 '61.

DIMETHYLAMINE

- Separate potentiometric determination of formic acid, dimethylamine, and dimethylamine formate in dimethylformamide [with summary in English]. I.A. I. Tur'ian, V.G. Baranova, V.A. Afifrova. Zhur. anal. khim. 18 no. 1:121-126 Ja '63.

DIMITROV, GEORGI, 1882-1949

- "Ardent revolutionary: Georgi Dimitrov's life and revolutionary work" by P.S. Sokhan'. Reviewed by K.D. Petraliev. Ukr. ist. zhur. 6 no. 2:155-156 Mr-Apr '63.

DINOSAURIA

- Find of the first large skeleton of a dinosaur in the U.S.S.R. G.A. Belen'kii, A.K. Rozhdestvenskii. Paleont. zhur. no. 1:141-143 '63.

DIODES

- Elkin, N.A., and L.N. Tashchakov. [Rectification using transistor devices] Detekirovanie na poluprovodnikovyykh priborakh. Moskva, Sviat'izdat, 1962. 55 p. (Lektsii po tekhnike svlazi)
- Inverted diode as a small signal detector. L.A. Logunov. Radiotekh. i elektron. 8 no. 4:722-723 Ap '63.
- Oscillation phenomena in a diode filled with cesium vapor. S.M. Levitskii, I.N. Gromov. Radiotekh. i elektron. 8 no. 4:612-618 Ap '63.

MODES—MAGNETIC PROPERTIES

- Effect of a magnetic field on the carrier distribution inside a magnetodiode. L.E. Vorob'ev, E.I. Karakushan, V.I. Stafeev. Fiz. tver. tela 5 no. 4:982-989 Ap '63.

DIPHANTINE ANALYSES

- Two-dimensional diphantine approximations. B. Karimov. Izv. AN Uz. SSR, Ser. fiz.-mat. nauk 7 no. 1:5-10 '63.

DIPENTENE—TESTING

- Effect of intermittent testing on the kinetics of dipentene oxidation. L.I. Shecharbak, M.I. Mitakovich. Vestn. AN BSSR, Ser. fiz.-tekhn. nav. no. 1:72-75 '63.

DIPHENYLAMINE

- Effect of some anions on Dische's diphenylamine reaction [with summary in English]. A.M. Poveronnyi, T.L. Aleinikova. Ukr. biokhim. zhur. 34 no. 6:910-914 '62.
- Effect of the adsorption of diphenylamine on the kinetics of the catalytic evolution of hydrogen. G.A. Todoradze, D.I. Dzheparidze. Izv. AN SSSR, Otd. khim. nauk no. 3:402-407 Mr '63.

DIPHENYLAMINE—SPECTRA

- Effect of N-methylation on the spectrum of derivatives of 2,4-dinitrodiphenylamine. E.E. Millarsel, V.A. Izmail'skii, M.K. Larina. Zhur. VKHO 8 no. 2:238-239 '63.

DIPHTHERIA—PREVENTIVE INOCULATION

- Study of the reactogenicity and immunological effectiveness of influenza-diphtheria and of influenza-diphtheria-whooping cough vaccines [with summary in English]. N.N. Sokolova, N.I. Apanshchenko, L.A. Nefedova. Vop. virus. 7 no. 6:688-693 N-D '62.

DIPOLE MOMENTS

- Approximate calculation of the probabilities of dipole transitions. The lithium atom. S.I. Vetchinkin. Opt. i spektr. 14 no. 3:317-321 Mr '63.
- Field of a point source in an infinite ionized layer. G.I. Makarov. Probl. dif. i raspr. voln. 2:91-101 '62.
- Horizontal magnetic dipole between two discs. E.A. Ivanov. Zhur. vych. mat. i mat. fiz. 3 no. 2:388-397 Mr-Apr '63.
- Kinetics and hydrolysis mechanism of carboxyl dichlorides. Report No. 1: Reaction rate as dependent on the polarity of the medium. S.G. Entelis and others. Izv. AN SSSR, Otd. khim. nauk no. 2:245-252 F '63.
- Propagation of a radio pulse over a stratified spherical earth. E.M. Glumennin, S.T. Rybachek. Probl. dif. i raspr. voln. 2:144-157 '62.
- Propagation of an electromagnetic pulse over the earth's surface. E.M. Glumennin and others. Probl. dif. i raspr. voln. 2:132-143 '62.
- Review of papers on the propagation of pulse electromagnetic signals in conducting media over the earth's surface. V.V. Novikov. Probl. dif. i raspr. voln. 2:7-38 '62.

DISABILITY EVALUATION

- (see also subdivision under Gorkiy Province; Moscow Province; Serpukhov District; Virgin Territory; Voronezh Province)
- Compensation for damages causing disability incurred by workers and employees in connection with their work (to be continued). Okhr. truda i sots. strakh. 6 no. 3:38-40 Mr '63.
- Forty years in the ranks. A. Trofimov. Sots. obshch. 24 no. 3:36-39 Mr '63.
- Methodological errors in the study of diseases with temporary loss of working capacity. E. L. Noskin. Zdrav. Ros. Feder. 6 no. 10:39-43 O '62.

DISARMAMENT

- For general disarmament and peace. Sergei Borzenko. Sov. foto 22 no. 7:1-9 Ji '62.
- "Nuclear disarmament" by O.V. Bogdanov. Reviewed by S.A. Malinin. Izv. vys. ucheb. zav., prav. 6 no. 2:157-158 '62.

DISARMAMENT—ECONOMIC ASPECTS

- "The peace race" [in English] by S. Melman; a book review. Mir. ekon. i mezhdunar. otn. no. 4:156-157 '63.

DISCIPLINE, LABOR see Labor discipline

DISCOVERIES (IN GEOGRAPHY)

- "History of Russian geographical discoveries" by L.S. Berg. Reviewed by V.B. Nefedova. Priroda 52 no. 3:123 '63.

DISCUSSION

- A debate should not turn into a talking shop. V. Listengarten. Komsum. zhizn' no. 4:26-28 F '63.
- Discussion as a form of moral education. V. Kosolapov. Nar. obr. no. 4:72-74 Ap '63.

DISEASES, FEIGNED see Malingering

DISHWASHING MACHINES

- Use of synthetic detergents in dishwashing. V.M. Chikov, F.V. Nevolin, T.G. Tiplasova. Masl.-zhir. prom. 29 no. 3:36-37 Mr '63.

DISINFECTION AND DISINFECTANTS

- Disinfection of the hands of a surgeon, obstetrician, gynecologist and their assistants in a rural locality. A.A. Mirakumodov, E.P. Tor-Mingosian, G. Loginova. Med. sestra 21 no. 12:46-49 D '62.

DISKS, ROTATING

- Effect of combined loading on an unevenly heated rotating disk [with summary in English]. I. Palleis. Izv. AN Latv. SSR no. 2:41-45 '63.

DISKS, ROTATING—TESTING

- Kobrin, M.M. [Strength of rotating disks] Prochnost' vrashchayushchikh diskov. Leningrad, Sudpromgiz, 1963. 336 p.

DISLOCATIONS IN CRYSTALS

- Artificial slip formation and the dislocation structure in sodium chloride crystals. E.M. Nadgornyi, A.V. Stepanov. Fiz. tver. tela 5 no. 4:1009-1020 Ap '63.
- Dislocations in sodium chloride crystals. E.M. Nadgornyi, A.V. Stepanov. Fiz. tver. tela 5 no. 4:998-1005 Ap '63.
- Movement of dislocations in sodium chloride crystals. E.IU. Gutmanas, E.M. Nadgornyi, A.V. Stepanov. Fiz. tver. tela 5 no. 4:1021-1026 Ap '63.
- Possible interactions between complete dislocations in hexagonal close-packed crystals. A.A. Predvoditelev. Kristallografiya 7 no. 6:938-945 N-D '62.
- Stresses and deformations in polycrystalline materials. S.D. Volkov, N.A. Kinskikh, M.L. Kontessarova. Fiz. met. i metalloved. 15 no. 2:274-278 F '63.
- Tolpygo, K.B. [Theory of vibrations of crystal lattices with deformed atoms] Teoriya kolebaniy kristallicheskikh reshetok s deformirovannymi atomami; tektail, prochnostnyye v letnei shkole po teorii tverdogo tela Tartu-Tyayvere, Iiun' 1961. Tartuski gos. univ. Vol. 2, 1962. 57 p.

[MICROFILM]

DISLOCATIONS IN METALS

- Mechanism of the fatigue failure of metals. I.A. Odling, V.S. Ivanova. Trudy Inst. met. no. 13:3-28 '63.

DISMISSAL OF EMPLOYEES see Employees, Dismissal of

DISORDERLY CONDUCT see subdivision under Ukraine

DISPENSARIES

- Dispensary service for elderly and senile surgical patients under the conditions of a rural medical district. R.L. Tsvang. Trudy Kish. gos. med. inst. 12:111-114 '60.

DISPENSIMETRY

- Possibility of determining the absolute age of rocks by comparative birefringence dispersion. E.A. Kuznetsov, Z.O. Chibukhehian. Sov. geol. 6 no. 2:150-152 F '63.

DISPLACEMENT (SHIPS)

- Displacement and speed of Russian tankers of the near future. V.M. Veksel. Sudostroenie 29 no. 3:5-11 Mr '63.
- Significance of the idea of an improved I.G. Bubnov prototype for differential methods of determining the principal dimensions and the displacement of a ship. V.V. Ashik. Sudostroenie 29 no. 4:13-15 Ap '63.

DISPLAY OF MERCHANDISE see subdivision under Taldy-Kurgan

DISSERTATIONS, ACADEMIC

- (see also subdivision under Uzbekistan)
- Defense of dissertations. Vest. AN SSSR 33 no. 4:119-145 Ap '63.

DISSERTATIONS, ACADEMIC—BIBLIOGRAPHY see Bibliography—Dissertations, Academic

DISTILLATION

- Alcohol movement in the column during continuous wine distillation. V.A. Maslov. Trudy KIPP no. 22:201-207 '61.
- Formation of new impurities during the continuous distillation of wine. V.A. Maslov. Trudy KIPP no. 22:196-200 '61.
- Movement of impurities important in brandy making through the column plates during the liquid and vapor phases. V.A. Maslov. Trudy KIPP no. 22:200-223 '61.
- Selecting the mold strains for the distilling industry. V.B. Kotov, O.M. Silishchenskaya. Spirt. prom. 29 no. 3:7-13 '63.
- Transformation and formation of substances during the heating of wines. E.L. Madzholan. Biokhim. vbi. no. 7:208-217 '63.

DISTILLATION, FRACTIONAL

- Calculation of a continuous multicomponent rectification on a large electronic computer. V.V. Popov, B.S. Sverchinskii. Khim. i tekhn. topl. i masel 8 no. 3:47-54 Mr '63.
- Comparing the effectiveness of various schemes for the rectification of binary mixtures of partially mixing components. V.I. Gagarin. Khim. i tekhn. topl. i masel 8 no. 3:22-25 Mr '63.

DISTILLATION APPARATUS

- Automation of the operations of rectification apparatus. I.I. Chelyshev. Spirt. prom. 29 no. 3:37-40 '63.
- The "NDT-3" apparatus with continuous action for processing flower and grass raw materials. A.P. Chlupiga. Masl.-zhir. prom. 29 no. 2:35-37 F '63.
- Predistillation of micelle in the rising film. V.V. Beloborodov. Masl.-zhir. prom. 29 no. 2:5-8 F '63.
- Temperature of the heating surface of the brandy distillation apparatus. B.V. Sukhachov. Trudy KIPP no. 22:224-226 '61.

DISTILLING INDUSTRIES

- Combining of the manufactures in the distilling industries of the U.S.S.R. M.T. Kochubeeva. Spirt. prom. 29 no. 3:35-37 '63.
- Make the work of the Scientific and Technical Society of the Food Industry conform to the requirements of new tasks. P.M. Reizin. Spirt. prom. 29 no. 3:5-7 '63.
- Provide for the fastest fulfillment of the assignments of the seven-year plan. Spirt. prom. 29 no. 3:1-5 '63.

DISTILLING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Distilling Industries

DISTILLING INDUSTRIES—BY-PRODUCTS

- (see also subdivision under Veselaya Lopan')
- Continuous line filter for the separation of stillage's grain from the stillage. M.P. Kulakov. Spirt. prom. 29 no. 3:42-43 '63.
- Determining botaine in distillery stillage, tar and "botaine hydrochloride." N.I. Pavlosiuk. Khar. prom. no. 1:70-71 Ja-Mr '63.
- For the communist methods of work. I.I. Ritzberg. Spirt. prom. 29 no. 3:46-47 '63.
- Production of trimethylamine from the wastes of distilling industries. N.I. Pavlosiuk, A.I. Skristimon'skiy. Khar. prom. no. 1:57-59 Ja-Mr '63.

- DISTILLING INDUSTRIES—EQUIPMENT AND SUPPLIES**
(see also subdivision under Bar)
Development and manufacture of the new type of technological equipment for the distilling industries. N.S. Ternovskii, L.I. Losik. *Spirt.prom.* 29 no. 3:22-24 '63.
Performance of the combined alcohol trap. *Spirt.prom.* 29 no. 3:43-44 '63.
- DISTILLING INDUSTRIES—LABOR PRODUCTIVITY**
(see also subdivision under Lohvitsa; Tatar A.S.S.R.)
Make comprehensive use of labor productivity potentials in the industry. P.V. Rudnikii. *Spirt.prom.* 29 no. 3:27-32 '63.
- DISTRIBUTIVE EDUCATION** see subdivision under Kharovsk
- DESULFIDE**
TMTD for controlling anthracnose of cucumber in greenhouses. V.B. Beliaeva. *Zashch.rast. ot vred.i bol.* 6 no. 11:32 N '61.
- DIVING**
Characteristics of rotating movements in twist dives. S.P. Efimova. *Teor.i prak.fiz.kul't.* 26 no. 4:31-36 Ap '63.
- DIVING, SUBMARINE**
"I am at the bottom!" A. Morozov, V. Milanov. *Smena* 39 no. 23:5-7 D '62.
- DIVISION OF LABOR**
(see also subdivision under Europe, Eastern)
Communal division of labor and state property during the period of the transition to communism. V.P. Kornienko. *Uch.zap.kaf.obshchestv.nauk.vuz.g.Len.* *Polit.ekon.* no. 5:148-167 '62.
- DIVORCE** see subdivision under Europe, Eastern
- DLUGOSZ, JAN, 1415-1480**
Erroneous interpretation by Dlugosz of some passages from the Galicia-Volhynia Chronicle. A. Hens'ors'kyl. *Dosl.i mat.z ukr.movy* 3:16-26 '60.
- DNEPRODZERZHINSK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Studying the moral code. M. Naumova. *Polit.samoobr.* 7 no. 3:92-94 Mr '63.
- DNEPROPETROVSK—IRON AND STEEL PLANTS—TECHNOLOGICAL INNOVATIONS**
Efficiency promotion at the Komintern Plant in Dnepropetrovsk. *Met.i gornorud.prom.* no. 1:76-77 Ja-F '63.
- DNEPROPETROVSK—LABOR COURTS**
Educational role of fellow workers' courts. M. Smirnov, B. Chechuk, V. Labunets. *Rad.pravo* no. 2:32-34 Mr-Ap '63.
- DNEPROPETROVSK—LIBRARIES**
Library of Foreign Literature in Dnepropetrovsk. E.I. Medovaia. *Opyt.rab.bibliot.s lit.* no. 5:58-61 '63.
- DNEPROPETROVSK PROVINCE—COLLECTIVE FARMS—FINANCE**
Frozen funds. A.S. Doroshenko. *Uchet i fin.v kolhoz.* *i sovkhov.* 20 no. 3:31-32 Mr '63.
- DNEPROPETROVSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION**
Glorious path of struggle and victories. P.P. Bachyn'skyl and others. *Ukr.ist.zhur.* 5 no. 2:136-139 Mr-Ap '63.
- DNEPROPETROVSK REGION—PIPE MILLS**
Pipes by the assembly-line method. *Smena* 40 no. 9:11 My '63.
- DNEPER—HYDROGRAPHIC SURVEYING**
The named Dnieper. Viktor Shantuk. *Ukraina* no. 6:5 Mr '63.
- DNEPER ECONOMIC REGION—BLAST FURNACES**
Increasing the blast temperature of blast furnaces in plants of the Dnieper Economic Region. I.A. Britvin and others. *Met.i gornorud.prom.* no. 1:11-12 Ja-F '63.
- DNEPER RESERVOIR REGION—BIRDS**
Ornithofauna of Dnieper Reservoir. V.V. Slakhovskii, O.M. Miasozedova. *Ornitologia* no. 4:260-268 '62.
- DNEPER RIVER—COFFERDAMS**
Initial cofferdamming of the Dnieper River in conditions of an easily washed-out bed. V.I. Levushkin. *Gidr.stroi.* 33 no. 4:14-17 Ap '63.
- DNEPER RIVER—NAVIGATION**
Transformation of the Dnieper into a unified shipping artery. M. Amusin. *Rech.transp.* 22 no. 4:36-37 Ap '63.
- DNEPER RIVER—PARASITES—FISHES**
Parasites of fishes of the middle course of the Dnieper River near the city of Kanev. V.P. Koval' and others. *Viznyk Kyiv.un.* no. 3. Ser. biol. no. 1:133-142 '60.
- DNEPER VALLEY—BRONZE AGE**
The middle Dnieper Valley Culture. I.I. Artemenko. *Sov.arkheol.* 7 no. 2:12-37 '63.
- DNEPER VALLEY—GEOLOGICAL TIME**
Age of diapiric structures in the eastern part of the Dnieper graben. V.D. Kogan, V.I. Andreeva. *Geol.netfi i gaza* 7 no. 4:47-51 Ap '63.
- DNEPER VALLEY—GEOLOGY**
Formations of the Ukrainian Shield. I.S. Usenko and others. *Geol.zhur.* 23 no. 1:30-51 '63.
- DNEPER VALLEY—LANDFORMS**
Role of the relief formation of the Valdai ice sheet in the Dvina-Dnieper interfluvium. N.S. Chebotareva, V.I. Pashkevich. *Blul.Kom.chetv.per.* no. 27:14-20 '62.
- DNEPER VALLEY—MACTRIDAE, FOSSIL**
Evolution of Sarmatian Mactridae in the Borysthenes Bay. L.S. Belokrysi. *Paleont.zhur.* no. 1:13-34 '63.
- DNEPER VALLEY—ULTRABASITE**
Weathering surface of ultrabasic rocks in the southern margin of the Ukrainian Crystalline Shield. I.U.S. Lebedev. *Sov.geol.* 6 no. 4:121-123 Ap '63.
- DNEPER VALLEY—WEATHERING**
Weathering surface of ultrabasic rocks in the southern margin of the Ukrainian Crystalline Shield. I.U.S. Lebedev. *Sov.geol.* 6 no. 4:121-123 Ap '63.
- DNEPER VALLEY—WINDBREAKS, SHELTERBELTS, ETC.**
Kharkov. *Ukrains'kyl naukovo-doslidchyl instytut lisovcho hospodarstva i agrolisomelloratsii*. [Sheltered zone of the Dnieper Zashchitnaia zona Dnepra, Kiev, Izd-vo UASKhN, 1962. 191 p. (DNAL)]
- DNESTER VALLEY—STONE AGE**
New paleolithic finds in the Dniester Valley. A.P. Chernysh. *Blul.Kom.chetv.per.* no. 27:143-146 '62.
- DNESTER VALLEY—TERRACES (GEOLOGY)**
Quaternary terraces of the lower Dniester Valley. A.L. Chepalyga. *Blul.Kom.chetv.per.* no. 27:61-71 '62.
- DOBROPOL'YE—FLOTATION**
Flotation of gas coals in the Dobropoliye Central Concentration Plant. N.G. Bedran' and others. *Ugol' Ukr.* 7 no. 4:30-32 Ap '63.
- DOBRUSH DISTRICT—BEE CULTURE**
Brave heart. I. Simanouski. *Belarus'* 20 no. 3:17 Mr '63.
- DOCUMENTARY EVIDENCE** see Evidence, Documentary
- DOCUMENTARY FILMS** see Motion pictures, Documentary
- DODDER—BIOLOGICAL CONTROL**
Biological method for controlling dodder. O.L. Rudakov. *Zashch.rast. ot vred.i bol.* 6 no. 6:23-24 Je '61.
- DOGDO RIVER—COCCOLITHOPHORIDAE**
Coccoliths of calcareous algae from the ice layer of the Dogdo River. A.I. Kiselev. *Zap.Vses.min.ob-va* 92 no. 1:94-95 '63.
- DOGDO RIVER—DIATOMS**
Coccoliths of calcareous algae from the ice layer of the Dogdo River. A.I. Kiselev. *Zap.Vses.min.ob-va* 92 no. 1:94-95 '63.
- DOGS—DISEASES AND PESTS** see subdivision under Ashkhabad
- DOGS, WAR USE OF**
A dog with a time fuse; a true story. L. Turek. Translated from the German. *Belarus'* 20 no. 3:24 Mr '63.
- DOL'D, IURII, pseud.**
Commander of a "lone soldier." V. Hovor. *Ukraina* no. 6:8 Mr '63.
- DOLIVO-DOBROVOL'SKII, MIKHAIL OSIPOVICH, 1862-1919**
Veselovskii, O.N. [Dolivo-Dobrovolskii, 1862-1919] *Dolivo-Dobrovolskii, 1862-1919*. Moskva, Izd-vo Akad. nauk SSSR, 1963. 85 p. (Akademiia nauk SSSR. Nauchno-biograficheskaiia serlia)
- DOLLS** see subdivision under Moscow; Ukraine
- DOMAIN STRUCTURE**
Polarity and the interaction of domain boundaries. M.K. Savchenko, V.I. Singubov. *Fiz.met.i metalloyed.* 15 no. 3:339-342 Mr '63.
- DOMESTIC EDUCATION**
"Your child's future." Reviewed by A.T. Mostovoi. *Sov.pedag.* 27 no. 1:152-154 Ja '63.
- DOMESTIC RELATIONS** see subdivision under Ukraine
- DON VALLEY—FISH CULTURE**
Recent developments in the biotechniques of rearing starry sturgeon. N.P. Polferova. *Ryb.khoz.* 39 no. 4:23 '63.
- DON VALLEY—FORESTS AND FORESTRY**
Young forests nurseries along the Don; travel notes. F.I. Travei. *Les.khoz.* 16 no. 1:71-77 Ja '61.
- DON VALLEY—STURGEONS**
Recent developments in the biotechniques of rearing starry sturgeon. N.P. Polferova. *Ryb.khoz.* 39 no. 4:23 '63.
- DONETS BASIN—BASALT**
Carboniferous basalt layers in the Donets Basin. D.D. Aizenverh. *Geol.zhur.* 23 no. 1:73-76 '63.
- DONETS BASIN—CEMENT**
Trade mark "700." V. Pankratov. *Nauka i zhiznia* 11 no. 2:34-35 F '63.
- DONETS BASIN—COAL MINES AND MINING**
Causes of sudden methane eruptions during the caving of the main roof in longwalls. M.P. Kostylev, V.S. IAB... lev. *Bezop.truda v prom.* 6 no. 9:3-4 S '63.
More coal for the country! *Ugol' Ukr.* 7 no. 4:1-2 Ap '63.
Protecting mine workings from undermining and tapping seams. F.M. TSYba. *Ugol' 38* no. 4:23-24 Ap '63.
Rapid drifting with a wide working face. V.V. Antukov, V.I.A. Namakshanskii. *Ugol' Ukr.* 7 no. 4:34-35 Ap '63.
Selection of the shape and type of supports for development workings in reverse mining of flat and inclined layers. V.I. Cherniav, *Ugol' Ukr.* 7 no. 4:22-24 Ap '63.
- DONETS BASIN—COAL MINES AND MINING—ACCOUNTING**
Mine assets of the Donets Basin. B.L. Balkhel'. *Ugol' Ukr.* 7 no. 4:7-10 Ap '63.
- DONETS BASIN—COAL MINES AND MINING—SAFETY MEASURES**
Prevention of sudden outbursts of coal and gas in mines. G.P. Vermov. *Bezop.truda v prom.* 6 no. 8:3-5 Ag '62.
- DONETS BASIN—COAL MINING MACHINERY**
At the conference of mine mechanics for the central Donets Basin. B.M. Sheharanskii. *Ugol' Ukr.* 7 no. 4:48 Ap '63.
Efficiency of over-all mechanization and automatic control of the "Donetskaya" Mine of the Chul'akovskii Trust. V.I. Rogalov, N.I. Ivanov, V.A. Ruban. *Ugol' 38* no. 4:40-48 Ap '63.
Operating practice of the UMC narrow-range unit in the "Proletarskaiia-Glubokaiia" Mine. I.I. Apatov, I.A.I. Kandella, A.V. Galkin. *Ugol' 38* no. 4:34-39 Ap '63.
- DONETS BASIN—DEEP-SEA DEPOSITS**
Presence of Triassic marine sediments in the southwestern margin of the Donets Basin. N.S. Ustynovskii. *Geol.zhur.* 23 no. 1:70-79 '63.
- DONETS BASIN—ELECTRIC POWER PLANTS**
Economically expedient distribution of reserves in the electric power plants of the electric power system of the Donets Basin using a compensation technique. A.I. Maksimov and others. *Elek.sta.* 34 no. 2:52-59 F '63.
- DONETS BASIN—HEALTH RESORTS, WATERING PLACES, ETC.**
Our health resorts. T. Sularko. *Ukraina* no. 6:24 Mr '63.
- DONETS BASIN—LABOR AND LABORING CLASSES**
Economic situation of workers in southern Russia during the First World War. I.U.I. Kir'ianov. *Ist.zap.* no. 72:30-62 '62.
- DONETS BASIN—MINE FILLING**
Coefficient of filling mined-out space in working thin steep seams with complete backfilling. K.K. Gusev. *Nauch.sob.IGD* 11:66-75 '61.
- DONETS BASIN—MINE GASES**
Prevention of sudden outbursts of coal and gas in mines. G.P. Vermov. *Bezop.truda v prom.* 6 no. 6:3-5 Ag '62.
- DONETS BASIN—MINE TIMBERING**
Ways of increasing the stability of underground workings at great depths. A.P. Maksimov. *Ugol' 38* no. 4:11-18 Ap '63.
- DONETS BASIN—MINE VENTILATION**
Injection and suction ventilation of deep mines. G.D. Efremov. *Ugol' Ukr.* 7 no. 4:10-13 Ap '63.
- DONETS BASIN—MINING ENGINEERING**
Possibility of undermining traction substations of electric railroads. I.U.P. Nekhoroshev. [Trudy] VNIMI no. 45: 132-134 '62.
- DONETS BASIN—SHAFT SINKING**
Special means of sinking shafts in the western Donets Basin. I.V. Galich. *Ugol' Ukr.* 7 no. 4:36-37 Ap '63.
- DONETSK—VIEWS**
Donetsk. [Donetsk, Donetskoe obl. knizhnoe izd-vo] 1962. 224 p. illus.

DONETSK—CHEMICAL INDUSTRIES—TECHNOLOGICAL INNOVATIONS

Group initiative and production administration. I. Golopetrov. Sots.trud 8 no.4:63-65 Ap '63.

DONETSK—STEEL INDUSTRY

Steel flows in a straight line. Viktor Shutov. Ukraina no. 6:6-7 Mr '63.

DONETSK ECONOMIC REGION—STEEL INDUSTRY—MANAGEMENT

Efficiency of concentrating auxiliary production in metallurgy. T. Holeusova. Ekon.Rad.Ukr. no.2:26-28 Mr-Ap '63.

DONETSK PROVINCE—APPELLATE COURTS

How the presidium of an appellate court reviews judicial decisions in civil cases. D.Ivanchenko. Rad.pravo no.2:95-99 Mr-Ap '58.

DONETSK PROVINCE—AUTHORS

The working man is the hero of our time. V.Sokolov, A.Chepizhnyi. Part,zhizn' no.8:90-94 Ap '63.

DONETSK PROVINCE—FISHES—FOOD

Results of hydrobiological investigation of the reservoirs of Stalino Province, Ukrainian S.S.R. Report No.3: Invertebrates as food for fishes. M.F.Polyvanna, Viansky Kyiv, un. no.3. Ser.biol. no.1:113-118 '60.

DONETSK PROVINCE—FUNGI

Materials on the mycoflora of Stalino Province. H.S. Kharkevych. Viansky Kyiv, un. no.2. Ser.biol. no.1: 23-26 '59.

DONETSK PROVINCE—INDUSTRIAL MANAGEMENT

Soviet public should help to protect the property of the socialist state. M.Shul'hin. Rad.pravo no.3:39-42 My-Je '62.

DONETSK PROVINCE—INVERTEBRATES

Results of hydrobiological investigation of the reservoirs of Stalino Province, Ukrainian S.S.R. Report No.3: Invertebrates as food for fishes. M.F.Polyvanna, Viansky Kyiv, un. no.3. Ser.biol. no.1:113-118 '60.

DONETSK PROVINCE—LAW—STUDY AND TEACHING

More attention to cooperation between law teachers and practical workers. M.Baskakov. Rad.pravo no.2:104-108 Mr-Ap '58.

DONETSK PROVINCE—MINING ENGINEERING

"Laboratories of creative labor." M.Berkovich. Agitator no.14:59 JI '62.

DONETSK PROVINCE—RESERVOIRS

Results of hydrobiological research in reservoirs of Stalino Province, Ukrainian S.S.R. Report No.1: Zooplankton. Viansky Kyiv, un. no.1. Ser.biol. no.2: 137-145 '58.

DONETSK PROVINCE—ZOOPLANKTON

Results of hydrobiological research in reservoirs of Stalino Province, Ukrainian S.S.R. Report No.1: Zooplankton. Viansky Kyiv, un. no.1. Ser.biol. no.2: 137-145 '58.

DOORS

Electronic "Open Sesame." IUn.tekh. 7 no.12:71-74 D '62.

DORMITORIES—DESIGN AND CONSTRUCTION

Kosakovskii, V.A., and O.I. Rzhikhina. [Student dormitories abroad] Studencheskie obshchestva za rubezhom. Moskva, Gos.izd-vo lit-ry po stroit., arkhit., i stroit. materialam, 1963. 80 p.

DOSTOEVSKII, FEDOR MIKHAILOVICH, 1821-1881

Kusakov, Nikolai. [Dostoevskii and Russian culture] Dostoevskii i russkaia kul'tura; pobyl i tekst doklada sobraniiu russkoi kolonii v Argentine po sluchaiu 75-letia so dnia konchiny F.M. Dostoevskogo, 1881-1956. Buenos Aires, Izd-vo "Nasha strana", 1957. 39 p. (OU)

DOUBLE REFRACTION see Refraction, Double

DOUGH

Changes occurring in the phosphorus of wheat flour during the process of dough preparation. K.N.Chizhova, I.E.Guseva, G.S.Gribkova. Khleb.i kond.prom. 7 no.4:1-3 Ap '63.

"New developments in the technology of dough preparation in bakeries" by I.M. Roiter. Reviewed by N.T. Chubenko. Khleb.i kond.prom. 7 no.4:42-43 Ap '63.

DOVATOR, L'EV MIKHAILOVICH, 1903-

General Dovator. A.Lasovskii. Mol.komm. no.2:113-114 F '63.

DOVZHENKO, ALEKSANDR PETROVICH, 1894-1956

From notebooks (to be continued). Aleksandr Dovzhenko. Isk.kino 33 no.2:82-93 '63.

DRABOV—HISTORY

History of the village of Drabov. K.A.Sakun. Ukr.ist. zhur. 6 no.2:102-104 Mr-Ap '63.

DRAINAGE

Advanced practices in forest drainage. E.D.Sabo. Les.khoz. 16 no.1:27-32 Ja '63.

"Calculating horizontal drainage of heterogeneous soils" by V.Jonat. Reviewed by I.Rusinov. Gidr.i mel. 15 no.3:55 Mr '63.

Deep horizontal radial drainage. G.A.Razumov. Gidr.i mel. 15 no.3:31-38 Mr '63.

Plastic pipe drainage and its mechanized construction abroad. V.N.Gorinskii. Gidr.i mel. 15 no.2:39-49 F '63.

Use of combined drainage in upland type peat deposits. N.I.Ilin, N.V.Chernav. Torf.prom. 40 no.3:10-12 '63.

DRAINAGE—CONGRESSES

Coordination conference on the design of drainage and irrigation pumping stations. I.K.Kulikova, A.L.Polovets, Gidr.i mel. 15 no.3:58-60 Mr '63. International symposium of drainage-improvement specialists on the use of plastics. V.I.Antonov. Plast.masay no.4:78-79 '63.

DRAINAGE, HOUSE

In the Sanitary Engineering Research Institute. Biol.stroil.tekh. 20 no.4:38-40 Ap '63.

New type of leader head. S.D.Duz'. Vod.i san.tekh. no.4:14-16 Ap '63.

DRAINAGE RESEARCH

Coordination of scientific investigations on hydraulic engineering and irrigation and drainage is a vitally important task; work results of the plenum of the Department of Hydraulic Engineering, Irrigation and Drainage of the Lenin All-Union Academy of Agricultural Sciences. I.F.Rusinov. Gidr.i mel. 15 no.2: 48-54 F '63.

DRAMA—HISTORY AND CRITICISM

Remarks of a commentator. B.Z. Teatr 24 no.4:147-150 Ap '63.

DRAVA RIVER—RAILROAD BRIDGES

Bridge over the Drava River. I.E.Tsimberg. Transp.stroil. 13 no.4:71-72 Ap '63.

DRAWING—INSTRUCTION

Akademiia pedagogicheskikh nauk RSFSR, Moscow. Institut khudozhestvennogo vospitaniia. [Methodology of teaching drawing in eight-year schools] Metodika obuchenia risovaniiu v vos'miolietnei shkole. [By] V.N. Velrov i dr. Pod red. A.P.Fomicheva. Moskva, Izd-vo APN RSFSR, 1963. 350 p.

In the section of graphic work. N.Kuz'mina. Doshk. vykh. 24 no.1:44 Ja '63.

DRAWING (METALWORK)

Nature of applied stress in the drawing of intricately shaped parts. I.U.P.Kazakov, L.A.Rubenkova. Kuz.-sitam.prom. 5 no.3:17-19 Mr '63.

DRAWING INSTRUMENTS

Case of drawing instruments from 1815 made by P.D. Zakhava. M.Malechenko. Sob.Gos.Erm. no.23:29-30 '62.

DRAWINGS see subdivision under Leningrad

DREDGING

Construction of canals using hydraulic engineering machinery. B.P.Zharitskii, G.Pil'shchik. Transp.stroil. 13 no.4:25-27 Ap '63.

Determining the width of a working cut in dredging. I.P. Petrov, A.I.Nesterenko. Transp.stroil. 13 no.4: 59-60 Ap '63.

First successes. O.Strel'chenia. Rech.transp. 22 no.4:20-31 Ap '63.

DREDGING MACHINERY

Greater attention to new equipment in dredging operations. I.Golodenko. Mr.flot 23 no.1:37-38 Ja '63.

DREDGING MACHINERY—EQUIPMENT AND SUPPLIES

Re-equipment of barges and dredging machinery. L.E. Kolmakov. Biol.tekh.-ekon.inform.Tekh.upr. Min.mor.flots 7 no.4:73-77 '62.

DRESDEN—SYMPHONY ORCHESTRAS

Dresden Kapelle. B.Khaikin. Sov.muz. 27 no.4:94-95 Ap '63.

DRILLING AND BORING

Drilling deep holes in heavy parts. F.L.Ryzhakov. Mashinostroitel' no.3:31 Mr '63.

Drilling deep holes with precise center-to-center distances. D.I.Varfolomeev. Priborostroenie no.4: 24-25 Ap '63.

DRILLING AND BORING MACHINERY

Moscow. Eksperimental'nyi nauchno-issledovatel'skii institut metallorazhushchikh stankov. [Standard design for the modernization of the 2118 upright drilling machine] Tipovoi proekt modernizatsii vertikal'no-sverlil'nogo stanka modeli 2118. Moskva, Mashgiz, 1962. 99 p. [MICROFILM]

DRILLING AND BORING MACHINERY—TECHNOLOGICAL INNOVATIONS

Modernization of the M-2407 machine tool for boring cylinders. I.Ermolenko, M.Kotsiuba. Avt.transp. 4 no.8:49-50 Ag '62.

DRILLING RIGS, OIL WELL see Oil well drilling rigs

DRINKING AND TRAFFIC ACCIDENTS see subdivision under Moscow

DROGOBYCH DISTRICT—UKRAINIAN LANGUAGE—DIALECTS

Phonetic characteristics of the dialects of Drogobych District in Lvov Province. D.H.Bandriv's'kyi. Dosl.i mat.z ukr.movy 3:3-15 '60.

DROMEDARIES see Camels

DROSOPHILA

Effect of space flight factors on some biological indices in insects [with summary in English]. I.A.L.Glem-botskii, G.P.Parfenov. Probl.kosm.biol. 2:98-115 '62.

DRUG INDUSTRY see subdivision under Mongolia; Tatar A.S.S.R.

DRUGS—PHYSIOLOGICAL EFFECT

Treatment of rheumatoid arthritis. S.I.Shcherbatenko. Kaz.med.zhur. no.5:53-54 S-O '62.

DRYING

Means of intensifying the drying process of pastelike materials on belt-roll dryers. B.S.Sazhun, O.A. Troshkin. Zhur.VKHO 8 no.1:117-118 '63.

DRYING APPARATUS

Automatic regulation of the operations of the band dryer for wool fibers. S.IA.Molots'kyi. Leh.prom. no.1: 0-11 Ja-Mr '63.

Devices for the automatic control of crackling drying in horizontal vacuum kettles. V.Ogur'sov. Mias.ind. SSSR 34 no.1:32-34 '63.

Motion of material in a vertical gas flow [with summary in English]. V.A.Sheiman, V.I.Kasper. Inzh.-fiz. zhur. 6 no.3:63-68 Mr '63.

Portable gas drier for large molds. Lit.prom. no.4: 44 Ap '63.

DUBINSKII, DAVID ALEKSANDROVICH, 1920-?

As long as his hand could hold a brush. V.Minaev. Ogonek 41 no.18:24 Ap '63.

DUBOSSARY RESERVOIR—BREAM

Nature of the reproduction of bream (Abramis brama L.) in Dubossary Reservoir. Trudy Inst.biol.Mold.fil. AN SSSR 2 no.1:70-91 '60.

DUBOSSARY RESERVOIR—FISHES—FOOD

Food interrelationships of some species of fishes in Dubossary Reservoir. Trudy Inst.biol.Mold.fil. AN SSSR 2 no.1:35-68 '60.

DUBOSSARY RESERVOIR—PHYTOPLANKTON

Studying the phytoplankton in Dubossary Reservoir. V.M. Shalar'. Trudy Inst.biol.Mold.fil. AN SSSR 2 no.1: 25-34 '60.

DUBOSSARY RESERVOIR—PIKE PERCH

Age groups and growth of pike perch (Lucioperca lucioperca L.) in Dubossary Reservoir. V.I.Karlov. Trudy Inst.biol.Mold.fil. AN SSSR 2 no.1:69-77 '60.

DUBOSSARY RESERVOIR—SEDIMENTATION AND DEPOSITION

Accumulation and physicochemical characteristics of bottom sediments in Dubossary Reservoir. M.F. Iaroshenko, S.E. Byzga. Trudy Inst.biol.Mold.fil. AN SSSR 2 no.1:3-18 '60.

DUBOSSARY RESERVOIR REGION—PROTOZOA

Interdependence in the formation of the protozoan fauna in Dubossary Reservoir and its affluents. S.D.Antonovich. Trudy Inst.biol.Mold.fil. AN SSSR 2 no.1:19-24 '60.

DUCKS

(see also subdivision under Baraba Steppe) Seasonal variations of the functions of the thyroid gland in female Pekin ducks. V.H.Novikov, L.O.Salians'ka. Viansky Kyiv, un. no.1. Ser.biol. no.2:97-105 '58.

DUCKWEED see subdivision under Saratov Province

DUDARKOV—AXES

A unique monument of ancient art. V.Diadenko. Nar.tvorch.ta etn. 6 no.4:142-145 O-D '62.

DUELING see subdivision under Germany, West

DUMP TRUCKS

BelAZ-540 dump truck. B.Kniaz'kov. Avt.transp. 41 no.3:43-46 Mr '63.

Device for counting the trips of loaded dump trucks. V.A.Loghinov. Transp.stroil. 13 no.4:37-38 Ap '63.

DUMY

"Ukrainian folk dmy from the 15th to the beginning of the 17th century" by B.P.Kirdan. Reviewed by I.Bercovskii. Vop.lit. 7 no.2:230-231 F '63.

- DUNDICH, OLEKO**
Quests and finds, V. Lokshin. Sov. voen 45 no. 3:30-31 F '63.
- DUODENUM—CANCER**
Cancer of the duodenum. I. N. Zimon, E. N. Aitakov. Med. zhur. Uzb. no. 8:75-77 Ag '62.
- DUODENUM—EXAMINATION**
Methodology of duodenal sounding, A. K. Kulleva. Zdrav. Turk. 7 no. 2:41-42 F '63.
- DUODENUM—TUMORS**
Obturation of the extrahepatic bile ducts and the large duodenal papilla by polyp. M. I. Izrael, N. P. Donich. Klin. khir. no. 3:78-80 My '62.
- DUPUYTREN'S CONTRACTURE**
Modification of the operation in Dupuytren's contractures [with summary in English in insert]. M. A. Vain-Rib, Ortop., travm. i protez. 23 no. 11:66-68 N '62.
Treatment of Dupuytren's contracture. L. M. Nisnevich, E. I. Iakubovskaya. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:118-128 '61.
- DUST**
Calculation of air changes in the aspirator housings of crushing plants. O. D. Neikov. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:88-98 '62.
Investigating the causes of dust adsorption by paint coatings. A. D. Zimon. Lakokras. mat. i kh. prim. no. 2:40-47 '63.
Study in measuring the dispersion of dust by sampling the air with a filter made of FPP-15 cloth. O. D. Neikov, I. U. I. Baranova. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:181-185 '62.
Studying aspiration on a laboratory unit for materials-handling places. O. D. Neikov, E. N. Boshniakov. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:145-155 '62.
Utilization of the dust recovered by electrostatic filters of rotary kilns. A. D. Ostrovskaya. TSement 29 no. 2: 13 Mr-Apr '63.
- DUST—PREVENTION**
Dust elimination from places where loose materials fall. V. S. Simkin. TSement 29 no. 2:10-11 Mr-Apr '63.
Study of the effectiveness of a combination of dust prevention measures in the crusher housings of ore dressing plants. E. N. Boshniakov. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:155-171 '62.
- DUST—REMOVAL**
Research conducted by the Krivoy Rog Branch of the Institute of Mining of the Academy of Sciences of the Ukrainian S. S. R. on dust removal in mining and dressing ores. V. V. Nedin. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:3-12 '62.
- DUST—THERMAL PROPERTIES**
Theory and design of a self thermoprecipitator. G. A. Zhovtuka, D. N. Karlikov, S. I. A. Krasnitskii. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:186-192 '62.
- DUST COLLECTORS**
Air purification in sprinkled packed filters. Kh. Kistorian. Prom. Arm. 6 no. 1:29-31 Ja '63.
Breaking in an electrostatic filter for automatic shaft kilns. S. B. Perli, I. E. Edel'man, I. U. R. Ral'chik. TSement 29 no. 2:18-19 Mr-Apr '63.
Dust control in an apatite-nephelite ore dressing plant. R. N. Nikiforov. Obog. rud. 7 no. 4:47-51 '62.
Effect of electrostatic forces on the collection of dust with fibrous filter materials. T. I. Babanina, L. I. Filipenko. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:123-128 '62.
Improved arrangement for agitating a bag filter. A. G. Kosol. TSement 29 no. 2:13-14 Mr-Apr '63.
Modern dust collectors. V. N. Uzhov, V. I. San, tekhn. no. 4:16-20 Ap '63.
Selection of the design of a cloth filter for mines. O. D. Neikov, A. K. Matvienko. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:128-138 '62.
Study of a dust collector for fine cleaning of air sucked out of aspirator housings. V. V. Nedin and others. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:141-145 '62.
Study of new filter cloths. V. V. Nedin, O. D. Neikov, F. I. Danchenko. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:104-123 '62.
- DWARF FRUIT TREES**
Fruit bearing of a dwarf apple tree. A. F. Popov. Priroda 52 no. 3:119-120 '63.
- DWELLINGS—HYGIENIC ASPECTS**
Zaitushkov, A. I. [Housing and health] Zhilishche i zdorov'e. [Leningrad] Medgiz, 1962. 28 p. (Nauchno-populnaya meditsinskaya literatura)
- DYES AND DYEING**
Carrier dyeing of lasean. V. V. Karpov. Tekst. prom. 23 no. 3:70-72 Mr '63.
TSentral'nyi institut nauchno-tekhnicheskoi informatsii legkoj promyshlennosti. [Surface-dyeing of artificial fur] Verkhovoe krashenie lakustvennogo mekha. Moskva, 1962. 28 p. [MICROFILM]
- Using the "thermosol" method for dyeing textile fabrics. A. A. Staroskol'skii. Tekst. prom. 23 no. 3:61-63 Mr '63.
- DYES AND DYEING—CHEMISTRY**
Analysis of sulfur dyebathes. N. D. Maltsev, O. I. Agapova. Tekst. prom. no. 2:61-62 F '63.
- DYES AND DYEING—TEXTILE FIBERS**
Development of the 43M phthalocyanogen dye on fibers. V. G. Pollakov and others. Tekst. prom. no. 2:63-64 F '63.
Investigating the migration of the leuco-compounds of vat dyes. M. I. Artyom, P. V. Moryganov, A. N. Korobova. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:110-117 '63.
Yarn skein dyeing with vat dyes in the Oxner apparatus. S. A. Isaeva. Tekst. prom. no. 2:64 F '63.
- DYES AND DYEING—TEXTILE FIBERS, SYNTHETIC**
Use of lasean in the manufacture of woolen fabrics. D. O. Ivashchenko, N. D. Vasil'eva. Leh. prom. no. 1:41-42 Ja-Mr '63.
Use of vat dyes for dyeing lasean fibers. L. M. Golomb, V. V. Karpov. Leh. prom. no. 1:70-72 Ja-Mr '63.
- DYES AND DYEING—WOOL**
Development of the possibilities and efficiency of loose wool dyeing under the conditions of carbonization by the continuous method. A. I. Maletskii and others. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:118-122 '63.
Fiber-reactive dyes used in dyeing blended wool fabrics. K. M. Sidneva, O. I. Erenina, E. L. Simanovskaya. Tekst. prom. no. 2:57-61 F '63.
- DYNAMICS—EXPERIMENTS**
Installation for the study of the laws of rectilinear movement. P. I. Pogozhev. Fiz. v shkole 23 no. 1:47-49 Ja-F '63.
- DYNAMOMETER**
Electric dynamometer. T. T. Bubnov. Izv. tekhn. no. 8: 35 Ag '62.
Poletka, M. F. [Devices for measuring cutting forces and torques] Pribyori dlia izmereniia sil rezaniia i krutiaschikh momentov. Moskva, Mashgiz, 1963. 105 p.
- DYSENTERY**
Distribution of the dysenteric bacteriophage in the organism of inoculated mice in relation to the time the phage was administered and the preceding immunization. K. S. Zebnina. Vop. virus. 7 no. 6:744 N-D '62.
Effective therapy in dysentery and the degree of sensitivity of the causative agent of the disease to antibiotics. U. G. Ganiev, N. S. Savina. Sov. med. 26 no. 1:120-129 Ja '63.
Rectoscopy and kymographic examinations in dysentery. P. L. Borzykh. Vrach. delo no. 3:146-146 Mr '63.
- DYSPEPSIA**
Causes of the recovery of baby pigs from dyspepsia after a treatment with biomyelin. I. I. Orobinskii. Trudy Kras. SKH 3 no. 1:61-69 '63.
- DYSPROSIUM—MAGNETIC PROPERTIES**
Magnetic and hysteresis properties of dysprosium and terbium. S. A. Nikitin. Fiz. met. i metalloved. 15 no. 2:187-193 F '63.
- DYSTROPHY**
Morphological changes in the internal organs during the immobilization of an extremity; an experimental study [with summary in English in insert]. V. M. Gordienko. Ortop., travm. i protez. 23 no. 11:68-72 N '62.
- DZERZHINSK (GORKYI PROVINCE)—LANDSCAPE GARDENING**
A "beautifier" of our land. K. Vinokurov. Sov. deput. trud., no. 4:64-67 Ap '63.
- DZHAMBUL—LABOR DISCIPLINE**
Reach the party groups and every Communist. G. Lugovoi. Part. zhizn' Kazakh. 33 no. 3:44-47 Mr '63.
- DZHAMBUL PROVINCE—COOPERATIVE SOCIETIES**
We copy the Cherkassy practice in Dzhambul. Koop. Kazakh. 5 no. 12:31-34 D '62.
- DZHAMBUL PROVINCE—FISHERIES**
Fishing at night. A. Votchal'. Koop. Kazakh. 5 no. 11: 11-12 N '62.
- DZHAMBUL PROVINCE—WHOLESALE TRADE**
We copy the Cherkassy practice in Dzhambul. Koop. Kazakh. 5 no. 12:31-34 D '62.
- DZHETY-SU—REVOLUTION, 1917-1921—FOOD QUESTION**
First cooperatives in Naryn. I. Tastanbekov. Koop. Kazakh. 5 no. 11:61 N '62.
- DZHEKAZGAN—FLOWERS**
Problems in introducing flowering ornamental plants in Dzhezkazgan. K. N. Khokhlova. Trudy Inst. bot. AN Kazakh. SSR 14:152-156 '62.
- DZHEKAZGAN—WOODY PLANTS—FERTILIZERS AND MANURES**
Mineral supplements as a means of increasing the growth energy of tree and shrub seedlings and plants in Dzhezkazgan. N. L. Semlotrocheva. Trudy Inst. bot. AN Kazakh. SSR 14:185-190 '62.
- DZHIDA VALLEY**
Contact metamorphism of Cimmerian intrusions in the Dzghida region. A. P. Shmotov. Trudy IKNI no. 7: 71-85 '61.
- DZHIDA VALLEY—GEOLOGY, STRUCTURAL**
Genesis of the pipelike body of the Bulukty deposit. G. I. Tugovik. Trudy IKNI no. 7:54-70 '61.
- DZIHAI, SHANHEI, 1907-**
"Four elements" by Shihai Dzihai. Reviewed by K. Tsvirka. Belarus' 20 no. 4:28 Ap '63.
- DZUNGARIAN ALA-TAU—GEOLOGY, STRUCTURAL—MAPS**
Map of the recent tectonics of the Dzungarian Ala-Tau and principles of its compilation. K. V. Kurdiakov. Bul. Kom. chutv. per. no. 27:118-132 '62.
- EAR—ABSCESSES**
Microflora of intracranial otogenous abscesses. Ch. Abdinov and others. Med. zhur. Uzb. no. 8:57-62 Ag '62.
- EAR—DISEASES**
Late results of treatment of hypertension patients with auditory and vestibular disorders by means of sulfide water inhalations. A. A. Kravchenko. Trudy MONIK no. 5:160-176 '62.
State of the auditory analyzer in hypertension patients treated by inhalation of natural sulfide water. A. A. Kravchenko. Trudy MONIK no. 5:177-208 '62.
- EARTH**
"Face of the earth and its origin" by G. N. Katterfeldt. Reviewed by F. P. Oshupkin. Geogr. v shkole 26 no. 2: 89 Mr-Apr '63.
Sima layer of the earth [with summary in English]. N. D. Sobolev. Geol. i geofiz. no. 1:85-97 '63.
- EARTH—FIGURE**
Effect of the oblateness of the earth on the operation of a gyrocompass. D. R. Merkin. Prikl. mat. i mekh. 27 no. 2:203-210 Mr-Apr '63.
- EARTH—INTERNAL STRUCTURE**
A conference on the upper mantle. A. I. A. Saltykovskii. Priroda 52 no. 4:106-107 '63.
The core of the earth is liquid. Priroda 52 no. 4:105-106 '63.
- EARTH—SURFACE**
(see also subdivision under Azerbaijan; Krasnoye Lake region, Leningrad Province; Noril'sk region)
Pre-Cambrian sedimentary geology. A. V. Sidorenko. Sov. geol. 6 no. 4:4-23 Ap '63.
- EARTH CURRENTS**
(see also subdivision under Antarctic regions)
Distribution of the micropulsations of pulsation currents depending on the amplitude. I. I. Rokhtianskii. Izv. AN SSSR, Ser. geofiz. no. 4:590-595 Ap '63.
- EARTH MOVEMENTS**
Accelerograph and the practice of using it for registering strong earth movements during earthquakes and blasts. S. V. Puchkov. Bul. Sov. po seism. no. 14:58-62 '63.
Quantitative data on earth movements during strong earthquakes. S. V. Medvedev. Bul. Sov. po seism. no. 14: 14-27 '63.
- EARTH SATELLITES** see Artificial satellites
- EARTH TEMPERATURE** see subdivision under Krivoy Rog Basin; Stavropol region
- EARTHMOVING MACHINERY**
(see also subdivision under Czechoslovakia; Germany, East)
Choice of parameters and operating conditions of a wheel-mounted motor of continuous earthmovers with cutting blades. N. A. Uliyanov. Sbor. trud. MII no. 39: 268-274 '61.
Determining the excavation resistance and the basic parameters of the cutters of earthmovers cutting soil by layers. V. I. Balovnev. Sbor. trud. MII no. 39:113-124 '61.
Effect of rate on the excavation resistance and technical and economic parameters of earthmovers. G. I. Kholopa. Sbor. trud. MII no. 39:125-132 '61.
Outlook for developing earthmovers and haulage vehicles with an "active" working part. A. A. Bromberg. Sbor. trud. MII no. 39:261-267 '61.
Results of experimental studies on cutting soil. D. I. Fedorov. Sbor. trud. MII no. 39:85-100 '61.
Theoretical and experimental study of the dynamics of earthmovers and haulage vehicles. A. M. Kholodov. Sbor. trud. MII no. 39:255-260 '61.
- EARTHMOVING MACHINERY—ELECTRIC DRIVING**
Outlook for improving the electric drive of earthmovers. M. I. Kravtsov. Sbor. trud. MII no. 39:355-363 '61.

EARTHQUAKES

Convulsions of the earth. L. Kasalushka. Belarus' 20 no. 4:31 Ap '63.

EARTHQUAKES AND BUILDING

"Climatology and geophysics in construction; basic planning principles." Biul.stroi.tekh. 20 no. 4:12-13 Ap '63.

Determining dynamic pressures on the ground during seismic vibrations of a rigid structure. A. Z. Kats. Biul. Sov. po seism. no. 14:63-68 '63.

Floating cities. IUn. tekh. 7 no. 12:21 D '62.

Limiting resistance of buildings subject to seismic effects. A. P. Sinitsyn. Biul. Sov. po seism. no. 14:133-135 '63.

Method of calculating seismic effects using standard accelerograms. A. A. Derkachov. Biul. Sov. po seism. no. 14:59-78 '63.

Second World Conference on Earthquake Engineering held in Japan. K. S. Zavrtev. Biul. Sov. po seism. no. 14:3-7 '63.

Seismic forces and deformations in the process of earthquakes calculated by means of electronic computers. B. B. Boglev. Biul. Sov. po seism. no. 14:114-121 '63.

Seismic loads on reinforced concrete tanks. A. S. Gekhtman. Stroi.truboprov. 8 no. 4:10-12 Ap '63.

Some problems of research in engineering seismology. A. G. Nazarov. Biul. Sov. po seism. no. 14:8-13 '63.

Standards for the design of buildings and structures to be erected to seismic districts. Biul.stroi.tekh. 20 no. 3:33-34 Mr '63.

Studying earthquakes and blasts using multipendulum seismometers. B. K. Karapetian. Biul. Sov. po seism. no. 14:122-127 '63.

Using computers for determining seismic loads based on accelerograms of severe earthquakes. E. E. Khachian. Biul. Sov. po seism. no. 14:94-113 '63.

EARTHWORK

(see also subdivision under Irtysh-Karaganda Canal; Uzbekistan; Virgin Territory)

Calculation of the stability of slopes of earth structures on the "Strela" electronic computer. A. S. Denisov. Gidr.stroi. 33 no. 2:37-38 F '63.

Logotchkina, V. S. [Providing for winter earthwork with cohesive soil by artificial salinization] Obespa-chenie proizvodstva zemlianykh rabot so svyaznymi gruntami v zimnee vremia putem iskusstvennogo ikh zasoleniia. Irkutsk, Irkutskoe knizhnoe izd-vo, 1962. 62 p.

EARTHWORK—EQUIPMENT AND SUPPLIES

Machines for cutting frozen ground. Stroi.i arkhit. Len. 25 no. 4:24 Ap '63.

EARTHWORK—TABLES, CALCULATIONS, ETC.

Labrenets, V., and J. Odine. [Tables for the calculation of earthwork with trapezoidal and trapezoidal-parabolic cross sections] Tablitsy dlia rascheta zemlianykh rabot pri trapetsoidal'noi i trapetsoidal'no-parabolicheskoi forme poperechnykh sечenii. Riga, Latvskoe gos. izd-vo, 1963. 236 p.

Liandres, Z. O. [Determining the dimensions and volumes of the foundations and embankments of steel tanks] Opredelenie razmerov i ob'emov osnovanii i obovalovani stal'nykh rezervuarov. Moskva, Gosstoptekhlizdat, 1963. 45 p.

A machine computes the volume of earthwork. K. A. Khavkin, A. F. Sokolik, I. M. Gul'perin. Avi.dor. 26 no. 4:21-22 Ap '63.

EAST (FAR EAST) see Far East

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST EUROPEAN PLAIN—ESKAR

Relief of the range of hills on the ice contact slopes in the northern part of the East European Plain. A. F. Guzhevaia. Izv. AN SSSR, Ser. geog. no. 2:61-69 Mr-Ap '63.

EAST EUROPEAN PLAIN—LANDFORMS

Relief of the range of hills on the ice contact slopes in the northern part of the East European Plain. A. F. Guzhevaia. Izv. AN SSSR, Ser. geog. no. 2:61-69 Mr-Ap '63.

EAST EUROPEAN PLAIN—LOAM SOILS

Distribution of cover loess-type loams in the Russian Lowland. P. N. Chizhikov. Biul. Kom. chatv. per. no. 27:29-33 '62.

EAST GERMANY see Germany, East

EAST KAZAKHSTAN PROVINCE—AGRICULTURAL ADMINISTRATION

We show concern for the work of collective and state farms. B. Turkarkin. Sov. deput. trud. no. 4:26-29 Ap '63.

EAST KAZAKHSTAN PROVINCE—KINDERGARTENS

With creative enthusiasm. V. Aleksandrovskaia. Doshk. vosp. 36 no. 2:35-36 F '63.

EAST KAZAKHSTAN PROVINCE—STATISTICS

Vostochno-Kazakhstanskaya oblast'. Statisticheskoe upravlenie. [Eastern Kazakhstan in figures; statistical abstract] Vostochnyi Kazakhstan v tsifrakh; statisticheskii sbornik. Alma-Ata, Gosstatizdat, 1962. 244 p.

EASTER

Difference in the calendar determination of Easter. D. Ogitskil. Zhur. Mosk. Patr. no. 3:68-74 Mr '63.

EASTER ISLAND—DESCRIPTION AND TRAVEL

Heyerdahl, Thor. [The Kon-Tiki expedition Aku-Aku. Translated from the English]. Puteshestvie na "Kon-Tiki" Aku-Aku. Alma-Ata, Kazakhskoe gos. uchebno-pedagog. izd-vo, 1960. 576 p.

(OCI)

EASTERN EMPIRE see Byzantine empire

EASTERN EUROPE see Europe, Eastern

EASTERN ORTHODOX CHURCH see Orthodox Eastern Church

EASTERN SIBERIA see Siberia, Eastern

ECHO VIRUSES

Outbreak of aseptic meningitis caused by the ECHO-13 virus. E. G. Popkova, I. V. Tomashpolskii. Sov. med. 26 no. 1:76-79 Ja '63.

ECLIPSES, LUNAR

Precision in the determination of the shape of the earth's shadow during lunar eclipses. G. V. Kuklin. Biul. VAGO no. 33:27-32 '63.

ECLIPSES, LUNAR—1961

Observation of the partial lunar eclipse of August 26, 1961. V. A. Baranenko. Astron. izr. no. 23:14-15 N '62.

ECLIPSES, LUNAR—1962

Penumbral lunar eclipse of August 15, 1962. A. M. Bakharev. Astron. izr. no. 23:15-16 N '62.

ECLIPSES, SOLAR

(see also subdivision under Yaroslavl)

Calculating relative changes in the atmospheric transparency coefficient during a solar eclipse. B. D. Fomenko. Biul. VAGO no. 33:16-18 '63.

ECLIPSES, SOLAR—1961

Observations of the total solar eclipse of February 15, 1961, by an expedition of the Kiev Branch of the All-Union Astronomic and Geodetic Society. D. V. Plaskovskii, A. T. Nesmianovich. Biul. VAGO no. 33:13-15 '63.

Passing of meteorological elements in the Ukraine during the solar eclipse of February 15, 1961. V. I. Grishko. Biul. VAGO no. 33:19-26 '63.

ECOLOGICAL CONGRESSES

Interuniversity conference on intraspecific relations of organisms. B. G. Ioganzon. Nauch. dokl. vys. shkoly; biol. nauki no. 2:200-202 '63.

ECONOMIC ASSISTANCE, AMERICAN

see subdivision under Africa; Thailand; Vietnam, South

ECONOMIC ASSISTANCE, RUSSIAN

see subdivision under Africa

ECONOMIC ASSISTANCE, WEST GERMAN

New "aid" program of the Federal German Republic to underdeveloped countries. IA. Iakovlev. Mir. ekon. i mezhdunar. otn. no. 2:105-107 '63.

ECONOMIC GEOLOGY see Geology, Economic

ECONOMIC HISTORY

Brief news. Mir. ekon. i mezhdunar. otn. no. 2:113-115 '63.

Brief news. Mir. ekon. i mezhdunar. otn. no. 4:109-113 '63.

ECONOMIC HISTORY—BIBLIOGRAPHY see Bibliography—Economic History

ECONOMIC POLICY

Economic problems of technical progress. K. I. Klimenko, I. M. Budnikskii. Vest. AN SSSR 33 no. 4:45-53 Ap '63.

Zaitsevskaia, I. I., and M. I. Radomysselskii. [Analysis of the carrying out of a plan for developing the local economy and culture of a region] Analiz vypolneniia plana razvitiia mestnogo khoziaistva i kul'turnogo stroitel'stva raiona. Moskva, Ekonomizdat, 1963. 105 p. (V po-moshch' ekonomistu i planoviku)

ECONOMIC RESEARCH

(see also subdivision under Czechoslovakia; Turkmenistan)

Coordination of economic research. N. Linkun, A. Sokolovskii. Vop. ekon. no. 4:152-156 Ap '63.

Lenin's method of creative research. I. Gladkov. Vop. ekon. no. 4:3-19 Ap '63.

ECONOMIC ZONING

(see also subdivision under Europe, Eastern; Ukraine)

Decisions of the November Plenum of the Central Committee of the CPSU and problems of the economic regionalization of the U. S. S. R. P. M. Alampiev. Izv. AN SSSR, Ser. geog. no. 2:46-54 Mr-Ap '63.

N. P. Ogarev's role in the history of Russian regionalization studies; in connection with the 150th anniversary of his birth. B. S. Khorov. Izv. AN SSSR, Ser. geog. no. 2:99-100 Mr-Ap '63.

ECONOMICS

Categories and laws of the political economy of socialism. A. Rumiantsev. Polit. samobor. 7 no. 3:30-39 Mr '63.

[Chrestomathy in economics] Khrestomatia po politicheskoi ekonomii. [2., perer. i dop. izd.] Moskva, Sotsekgiz, 1963. 798 p.

"Economics of commerce." Reviewed by A. Bykov and others. Sov. potreb. koop. 7 no. 2:61-64 F '63.

In the Institute of World Economics and International Relations of the Academy of Sciences of the U. S. S. R. V. Egorov. Mir. ekon. i mezhdunar. otn. no. 2:152-154 '63.

Kommunisticheskaya partiia Sovetskogo Soiuza. Vys-shaya partiinaya shkola. Kafedra politicheskoi ekonomii. [Socialist means of production] Sotsialisticheskie sposoby proizvodstva. Moskva, Izd-vo VPSH i AON pri TsK KPSS.

No. 5. [The world socialist economic system] Mirovaia sotsialisticheskaya sistema khoziaistva. 1963. 109 p.

Moscow, Universitet. Kafedra politekonomiki estestvennykh fakul'tetov. [Lecture course in the economics of presocialist formations] Kurs lektel po politicheskoi ekonomii; dosotsialisticheskie formatsii. [By] M. M. Azarova i dr. Red. kollegiia: N. S. Spiridonova (otv. otv. red.), M. I. Suvorova, L. A. Cherkasova. [Moskva] Izd-vo Mosk. univ., 1963. 655 p.

Several problems of commodity and monetary relations during the period of the large-scale building of communism. P. G. Zrostrovisev. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Polit. ekon. no. 6:199-218 '62.

ECONOMICS—BIBLIOGRAPHY see Bibliography—Economics

ECONOMICS—CONGRESSES

Conference on the problems of building a communist economy. L. Nikiforov, B. Rakitskii, A. Fedorov. Vop. ekon. no. 4:140-146 Ap '63.

ECONOMICS—PERIODICALS see subdivision under Germany, West; Italy

ECONOMICS—STUDY AND TEACHING

Every cooperative society worker should have a knowledge of economics. S. Vasil'ev. Sov. potreb. koop. 7 no. 2:40-52 F '63.

ECONOMICS, MATHEMATICAL

Mathematical economics methods and problems of production organization. G. Prudenskii. Vop. ekon. no. 4:121-126 Ap '63.

ECUMENICAL MOVEMENT

Ecumenical assembly of the Christian youth of Africa. G. Troitskii. Zhur. Mosk. Patr. no. 3:37-42 Mr '63.

EDIBLE OILS AND FATS see Oils and fats, Edible

EDITING

Author, editor, and book. M. Lapshin. Sov. pech. no. 3:40-42 Mr '63.

EDUCATION

(see also subdivision under Belebe; Bulgaria; Czechoslovakia; Europe, Eastern; Germany, East; Great Britain; Hungary; Kazakhstan; Rumania; Scandinavia; Soviet Central Asia; Ust'-Orda)

Krupskaya, N. K. [Educational works in ten volumes] Pedagogicheskie sochineniia v desiat' tomakh. Pod red. N. K. Goncharova, I. A. Kalrova, I. V. Chuvashova. Moskva, Izd-vo Akad. pedagog. nauk.

Vol. 11 [(Enlarged). Letters. Diary of a voyage on the steamship "Red star"] (Dopolnitel'nyi). Pis'ma. Dnevnik puezdki na parokhodo "Krasnaia zvezda." 1963. 934 p.

Lenin as a model of revolutionary creativeness. Nar. obr. no. 4:1-4 Ap '63.

Pedagogical science and problems of the Pioneer movement. I. A. Kalrov. Sov. pedagog. 27 no. 4:12-23 Ap '63.

Pedagogics creating a type of new man. M. P. Pavlova. Nach. shkola 31 no. 3:11-18 Mr '63.

"Studies on the history of Soviet schools and pedagogics; 1921-1931" by F. F. Korolev, T. D. Korneichuk, Z. I. Ravkin. Reviewed by P. V. Titkov. Sov. pedagog. 27 no. 1:147-152 Ja '63.

Tenth volume of N. K. Krupskaya's works. A. Kondakov. Nar. obr. no. 4:109-112 Ap '63.

- EDUCATION—PERIODICALS**
(see also subdivision under Daghestan; Europe, Eastern; Germany, East)
Main problems in the plan of the periodical "Sovetskaya pedagogika" for 1963. Sov. pedagog. 27 no. 1:158-160 Ja '63.
Read it in the periodicals. Nar. obr. no. 4:124 Ap '63.
- EDUCATION—STUDY AND TEACHING**
For the "Pedagogics of tomorrow" course. N. N. Bellen-dir. Sov. pedagog. 27 no. 4:129-132 Ap '63.
Improving the teaching of the history of education in pedagogical institutes. A. V. Ososkov. Sov. pedagog. 27 no. 4:82-91 Ap '63.
Reorganization of the teaching of pedagogics in pedagogical institutes. Sov. pedagog. 27 no. 4:133-142 Ap '63.
- EDUCATION, COMPULSORY** see subdivision under Sverdlovsk
- EDUCATION, COOPERATIVE**
(see also subdivision under Czechoslovakia; Kiev; Krasnodar Territory; Leningrad; Sverdlovsk; Vinitsa)
Acquainting students with production work. P. Namm, V. Komasevich. Shkola i proizvod. 7 no. 4:92-93 Ap '63.
Akademii pedagogicheskikh nauk RSFSR, Moscow. Institut teorii i istorii pedagogiki. [Applying the "Educational program" to grade 5-11 students] Opyt primeneniya "Programmy vospitatel'noi raboty" s uchaststvom V-XI klassov. Pod red. I. S. Mar'enko. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 110 p. (Pedagogicheskie chitaniya)
Cherepashnets, G. R., ed. [Study, life and work] Uche-nie, zhizn', trud: opyt moskovskoi shkoly No. 315. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1962. 174 p.
Connection between teaching and work. V. T. Guzev. Shkola i proizvod. 7 no. 2:33-35 F '63.
Connection between the teaching of chemistry and the textile industry. L. K. Stelovich. Khim. v shkole 18 no. 2:20-23 Mr-Apr '63.
Education of the rising generation. Kommunist 40 no. 7:72-75 My '63.
In the Ministry of Education of the R. S. F. S. R. Nach. shkola 31 no. 2:92-93 F '63.
Knowledge is nourishment for the young. . . Komsom. zhizn' no. 6:11-17 Mr '63.
Kraschetova, E. A. [Learn from life, learn for life] Uchi'sia u zhizni, uchi'sia dlia zhizni. Moskva, Izd-vo "Znanie", 1963. 28 p. (Novoe v zhizni, nauke, tekhnike. XI Seriya: Pedagogika, no. 8)
Physics lessons at a factory. D. G. Titova. Fiz. v shkole 23 no. 1:94 Ja-F '63.
Production as a student's creative laboratory. Komsom. zhizn' no. 6:4-9 Mr '63.
Some problems of production instruction. T. P. Komarni-tskii. Shkola i proizvod. 7 no. 4:58-60 Ap '63.
Soviet youth and educational reform. I. N. Shumilin. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 38/39: 113-117 O-N '62.
Teaching physics in connection with work training. P. V. Volkov. Fiz. v shkole 23 no. 1:77-79 Ja-F '63.
A very important question: who will attend the first course. . . Komsom. zhizn' no. 6:23-24 Mr '63.
Vocational orientation in eight-year schools. I. U. P. Averichev. Shkola i proizvod. 7 no. 4:27-31 Ap '63.
A young engineer should be a creator of new technology, a production leader, and a convinced Communist. Komsom. zhizn' no. 6:2-4 Mr '63.
- EDUCATION, ELEMENTARY**
Individual approach to students. E. D. Mikhlin. Nach. shkola 31 no. 3:34-35 Mr '63.
Theory of elementary education. D. E. Konin. Nar. obr. no. 4:49-57 Ap '63.
There is always time for a good deed. Nach. shkola 31 no. 3:95-96 Mr '63.
- EDUCATION, ELEMENTARY—BIBLIOGRAPHY** see Bibliography—Education, Elementary
- EDUCATION, ELEMENTARY—CONGRESSES**
Conference on theory and practice in Kiev. Nach. shkola 31 no. 3:93-95 Mr '63.
- EDUCATION, HIGHER**
(see also subdivision under Japan; Uzbekistan)
At the source of science schools. G. M. Gorodinskii. Vest. vys. shkoly 21 no. 3:44-45 Mr '63.
[Bulletin of the Ministry of Higher and Secondary Special-ized Education of the U. S. S. R.] Biul. Min. vys. i sred. spets. obr. SSSR no. 4 Ap '63.
Facts and figures. Vest. vys. shkoly 21 no. 3:95-96 Mr '63.
Problem of academic youth in the U. S. S. R. P. V. Feden-ko. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 38/39: 118-120 O-N '62.
Replacement for the older generation. A. A. Iablon-skii. Vest. vys. shkoly 21 no. 3:40-53 Mr '63.
Students as reliable assistants of their department. A. V. Pavlenko, V. K. Toporski. Vest. vys. shkoly 21 no. 3: 46-47 Mr '63.
- EDUCATION, HIGHER—INTERNATIONAL COOPERATION**
International contacts of the institutions of higher learn-ing from the pages of the newspaper "Druzhba." Vest. vys. shkoly 21 no. 3:88-91 Mr '63.
- EDUCATION, PRESCHOOL**
(see also subdivision under Chernigov Province; Kirovograd Province; Rostov Province; Ufa Province; Ukraine)
At our pedagogical conferences. I. U. Liakhovskaya. Doshk. vosp. 36 no. 3:5-9 Mr '63.
Autumn conferences. L. Muzhelevskaya. Doshk. vosp. 36 no. 3:15-16 Mr '63.
By common effort. G. Sapov. Nar. obr. no. 4:32-33 Ap '63.
Conference and pedagogical lecture on preschool education. Doshk. vykh. 24 no. 1:43-44 Ja '63.
Education of children is a common concern. A. Solov'eva. Doshk. vosp. 36 no. 2:83-84 F '63.
"Happy childhood." Reviewed by V. Chornyi. Doshk. vykh. 24 no. 1:41-42 Ja '63.
Let's give attention to rural preschool education. Doshk. vosp. 36 no. 3:1-3 Mr '63.
Let's have more houses for little children. I. Padezhnov. Doshk. vosp. 36 no. 2:33-35 F '63.
Markova, T. A., and L. A. Pen'evskaya. [Training two-year old children] Vospitanie detei tret'ego goda zhizni; metodicheskie ukazaniia. Moskva, Uchpedgiz, 1962. 58 p.
Much depends on a nurse. K. Chistoserdova. Doshk. vosp. 36 no. 3:86-87 Mr '63.
Pedagogical conditions for communication with children. V. Nechaeva. Doshk. vosp. 36 no. 2:5-8 F '63.
Pedagogical lectures of the Academy of Pedagogical Sciences of the R. S. F. S. R. V. Kotyrla. Doshk. vykh. 24 no. 3:44-45 Mr '63.
Problem of teaching 6-year-old children to read and write. V. Pomahala. Doshk. vykh. 24 no. 1:2-13 Ja '63.
Teacher's voice. I. Kliuchareva. Doshk. vosp. 36 no. 3:16-18 Mr '63.
Temporary regulation on a preschool institution, day nursery and kindergarten. Doshk. vosp. 36 no. 2:108-111 F '63.
Under the control of the community. A. Kolesnikova. Doshk. vosp. 36 no. 2:42-45 F '63.
Use of didactic material in working with 3-year-old children. O. Symyrenko, K. Dobrovolska, H. Polonska. Doshk. vykh. 24 no. 1:20-22 Ja '62.
Work of a methods association. N. Lavryshenko. Doshk. vykh. 24 no. 3:23-25 Mr '63.
- EDUCATION, PRESCHOOL—CONGRESSES**
Conference on the education of small and preschool chil-dren. Doshk. vosp. 36 no. 2:4-5 F '63.
- EDUCATION, PRESCHOOL—PERIODICALS**
Basic subject plan problems of the periodical "Doshkii'ne vykhovaniia" for 1963. Doshk. vykh. 24 no. 1:45-47 Ja '63.
- EDUCATION, RURAL**
In a Vlasov two-grade school. L. K. Grebenkina. Nach. shkola 31 no. 2:58-60 F '63.
Let's pay more attention to rural schools. Sov. pedagog. 27 no. 4:3-11 Ap '63.
- EDUCATION, SECONDARY** see subdivision under White Russia
- EDUCATION OF CHILDREN**
Let's develop children's thinking. A. Kagal'nak. Doshk. vosp. 36 no. 2:63-65 F '63.
Studying the aesthetic concepts of preschool and primary school children. A. I. Sorokina. Sov. pedagog. 27 no. 1: 34-42 Ja '63.
Tomorrow he will be a man. A. Lebedeva. Zhen. mira no. 1:25-27 '63.
Which of the children believe in God? A. Dubovka. Nauka i rel. 4 no. 2:74-77 F '63.
You can't live without work and without conscience. L. Mykhailova. Doshk. vykh. 24 no. 1:16-17 Ja '63.
- EDUCATION OF WOMEN** see subdivision under Africa
- EDUCATION OF WOMEN—CONGRESSES**
I have seen, I have heard, I have learnt. Layla. Zhen. mira no. 1:9-12 '63.
- EDUCATIONAL PSYCHOLOGY**
Juvenile's inner attitude and a teacher [with summary in English]. A. P. Arkhipov. Vop. psikh. 9 no. 2: 117-124 Mr-Apr '63.
Problems of overcoming lagging in school work. N. Men-chinskaya, Z. Kalmykova. Nar. obr. no. 4:61-65 Ap '63.
Psychology of learning words in a foreign language [with summary in English]. G. A. Kharlov. Vop. psikh. 9 no. 1:62-66 Ja-F '63.
- EDUCATIONAL SOCIOLOGY—CONGRESSES**
First Conference on Applied Sociology. B. Gutkina, M. Sochnev. Izv. AN Latv. SSR no. 2:126-128 '63.
- EFFECT OF TEMPERATURE ON METALS** see Metals, Effect of temperature on
- EFFICIENCY, INDUSTRIAL**
(see also subdivision under Latvia; Nizhny Novgorod Government; White Russia)
Achievements of a united collective. I. Troitskii. Pa-i put, khoz. 7 no. 3:40-42 '63.
All-round development of employees of industrial plants. N. Kristostor'ian. Kommunist 40 no. 7:51-53 My '63.
The communist in production. Part. zhizn' no. 8:1-2 Ap '63.
Contributing to national savings. S. Terekhov. Me-st. prom. i khud. promys. 4 no. 3:32 Mr '63.
Every workshop should have its own working plan. O. Kurin. Mol. komm. no. 2:107-108 F '63.
From the mailbox. Me-st. prom. i khud. promys. 4 no. 3: 38 Mr '63.
Honestly speaking. . . I. U. Grochansk. Me-st. prom. i khud. promys. 4 no. 3:4-5 Mr '63.
How a party group is struggling for communist labor. N. Mikhailov. Komm. Ukr. 38 no. 3:95-98 Mr '63.
Initiative of the greatest importance. A. I. Madorov. Izv. vys. ucheb. zav.; tekhn. i khud. prom. no. 1:157-159 '63.
My contemporary. N. Sokolova. Izobr. i rats. no. 1: 1-4 '63.
Movement for communist labor and scientific technical workers. A. E. Sergeev. Vest. mashinost. 43 no. 4: 63-67 Ap '63.
Nobel duty of the Communist. Komm. Bel. 37 no. 1:1-3 Mr '63.
Patriotic initiative of assistant foreman M. V. Kabanov in operation. V. V. Kokurin, V. I. Medvedev. Trud. prom. no. 2:1-3 F '63.
People are the most important factor. M. Sorokina. Me-st. prom. i khud. promys. 4 no. 3:32 Mr '63.
A school of work and industrial efficiency. V. I. Madorov. M. Laptin. Kommunist 40 no. 7:41-50 My '63.
The secret of good quality. A. Rovenko. Sov. radio i tel. 11 no. 11:25-26 N '62.
Shaposhnikova, A. P. [Factory party organizations and party groups] Tselkovaia partinulna organizatsiia, partinulna gruppy. Moskva, Gospolitizdat, 1963. 78 p. (Biblioteka sekretaria pervichnoi partinul organizatsii, no. 9)
The Soviet people are the builders of communism. V. Liventaov, I. U. Sidraev. Komm. Ukr. 38 no. 1: 27-33 Ap '63.
With the assistance of a factory's efficiency promoters. I. U. P. Zhukov. Tekst. prom. 23 no. 3:52-63 Mr '63.
- EGGS**
Characteristics of calcium metabolism in birds. F. V. Sokolova. Ornitologiya no. 4:431-448 '62.
- EGGS—MICROBIOLOGY**
Penetration of toxoplasms into the eggs of infected birds. A. K. Lygiste. Dokl. AN SSSR 140 no. 4:909-910 F '63.
- EGIAZAROV, IVAN VASIL'EVICH, 1893-**
I. V. Egiazarov on his seventieth birthday. S. S. Mikh-tchian, A. K. Anan'ian. Elektricheskio no. 3:94 Mr '63.
- EGYPT—ANTIQUITIES**
New archival data on the Russian collections of Egyptian antiquities, 1821-1899 [with summary in French]. A. A. Kartsev. Krat. soob. Inst. nar. Az. no. 46:289-293 '62.
- EGYPT—COKE INDUSTRY—BY-PRODUCTS**
In Helwan near the city of Cairo. O. Petrenko. Ukrainsa no. 6:2-3 Mr '63.
- EGYPT—ECONOMIC CONDITIONS**
Some characteristics of the economic structure of Egypt in Egypt during the Middle Kingdom [with summary in French]. I. A. Stuchevskii. Krat. soob. Inst. nar. Az. no. 46:179-187 '62.
- EGYPT—HISTORY—SOURCES**
The earliest mention of Egypt in cuneiform texts [with summary in French]. D. G. Reder. Krat. soob. Inst. nar. Az. no. 46:37-44 '62.
- EGYPT—MARITIME LAW**
Development of maritime law in the United Arab Re-public. Inform. sbor. TSNIMF no. 76. Mor. pravo i prak. no. 17:60 '62.
- EGYPT—OFFICIALS AND EMPLOYEES**
Functions of the pr hr]-wdr rht mrt in Egypt in the epoch of the Old Kingdom [with summary in French]. N. M. Postovskaya. Krat. soob. Inst. nar. Az. no. 46: 159-173 '62.
- EGYPT—SLAVERY**
Meaning of the term "people" (rmt. w) in the inscriptions of the Old Kingdom [with summary in French]. T. N. Savell'eva. Krat. soob. Inst. nar. Az. no. 46:174-178 '62.
- EGYPT—STELAE (ARCHAEOLOGY)**
A method of dating the stelae of the Middle Kingdom [with summary in French]. O. D. Borilacov. Krat. soob. Inst. nar. Az. no. 46:45-87 '62.

EGYPT--STONE AGE

Production role of wood in Egypt during the transition from stone to copper [with summary in French]. Kh.A. Kink. *Krat. soob. Inst. nar. Az.* no. 46:137-147 '62.

EGYPT--TECHNICAL ASSISTANCE, RUSSIAN

The Aswan will be finished on schedule. A. Aleksandrov. *Az. i Afr. seg.* no. 4:28-29 Ap '63.
In Helwan near the city of Cairo. O. Petrenko. *Ukraina* no. 6:2-3 Mr '63.

EGYPTIAN LANGUAGE--GRAMMAR

Notes on Egyptian grammar [in French]. V. Golenishchev. *Krat. soob. Inst. nar. Az.* no. 46:5-12 '62.

EGYPTIAN LANGUAGE--PAPYRI

Papyrus No. 1115 of the Hermitage collection and an inscription of the Queen Hatshepsut in Deir el Bahari [with summary in French]. E. N. Maksimov. *Krat. soob. Inst. nar. Az.* no. 46:148-158 '62.
Tales of the Westcar papyrus [with summary in French]. I. S. Katsnel'son. *Krat. soob. Inst. nar. Az.* no. 46:104-130 '62.

EGYPTIAN LANGUAGE--PARTICIPLE

Egyptian participle [in French]. V. Golenishchev. *Krat. soob. Inst. nar. Az.* no. 46:13-26 '62.

EGYPTIAN LANGUAGE--TERMS AND PHRASES

Meaning of the term "people" (rmt.w) in the inscriptions of the Old Kingdom [with summary in French]. T. N. Savileva. *Krat. soob. Inst. nar. Az.* no. 46:174-178 '62.

EGYPTIAN TALES see Tales, Egyptian

REICHMANN CASE

Deserved punishment of a fascist butcher. V. Mal'kov, E. Shenkman. *Sots. zakon.* 39 no. 7:90-94 Ji '62.

EIGENSON, MORIS SEMENOVICH, 1906-1962

Moris Semenovitch Eigenzon; obituary. *Astron. tsir.* no. 231:29-31 N '62.

EINSTEIN, ALBERT, 1879-1955

"Einstein" by B. G. Kuznetsov. Reviewed by U. I. Frankfur. *Priroda* 52 no. 3:121-122 '63.

EISENSTEIN, SERGEI MIKHAILOVICH, 1898-1948

Urbanev, R. N. [Eisenstein] Elenshtoin. Moskva, *Vses. gos. in-t khimotografii*, 1952. 56 p. [MICROFILM]

EJECTOR PUMPS--TECHNOLOGICAL INNOVATIONS

Poetic aspects of creation. V. Musatov. *IUn. tekhn.* 7 no. 2:5-8 F '63.

ELASTIC PLATES AND SHELLS

Analytical theory of shells. M. O. Kil'chevskiy, H. O. Kil'chyn'ska, N. I. Remizova. *Prykl. mekh.* 9 no. 1: 3-10 '63.

Applying the method of finite differences to the solution of boundary problems in the theory of plates [with summary in English]. M. S. Kornilov. *Prykl. mekh.* 9 no. 3:289-298 '63.

Approximate solutions of problems in the theory of plates and shallow shells for some doubly connected regions. O. M. Guz'. *Prykl. mekh.* 9 no. 1:103-108 '63.

Bulging of perforate membranes under tensile stress. G. P. Cherepanov. *Prikl. mat. i mekh.* 27 no. 2:275-286 Mr-Apr '63.

Calculation of a shell of double curvature under hydrostatic pressure [in Georgian with summary in Russian]. G. G. Chankvetadze. *Trudy GPI [Gruz.]* no. 6:97-102 '61.

General solution of the problem of a thick round plate loaded arbitrarily. E. N. Baidal. *Izv. vya. ucheb. zav.* 3:101-107 Arkhiv. 6 no. 3:8-15 '63.

Method for determining the stressed-strained state of a shell reinforced with stiffening ribs at variable distances [with summary in English]. M. I. Karpov. *Prykl. mekh.* 9 no. 3:270-274 '63.

A method for solving nonlinear problems of the stability of systems undergoing deformation. V. I. Fedos'ev. *Prikl. mat. i mekh.* 27 no. 2:265-274 Mr-Apr '63.

Passage of a sound wave through an elastic cylindrical shell. E. L. Shenderov. *Akust. zhur.* 9 no. 2:222-230 '63.

Problem of the pressure of a rigid washer on a circular hole in an orthotropic plate [with summary in English]. D. V. Il'yitskiy. *Prykl. mekh.* 9 no. 3:299-307 '63.

Shallow spherical shell weakened by symmetrically placed holes [with summary in English]. V. M. Bulvol. *Prykl. mekh.* 9 no. 1:52-58 '63.

Stability and postcritical state of cylindrical shells and plates beyond the elastic limit [with summary in English]. O. M. Bozhyn'skiy. *Prykl. mekh.* 9 no. 1:24-33 '63.

Stability of cylindrical shells reinforced with ribs [with summary in English]. M. M. Stepanov, M. M. TSvetkov, L. I. Manoylov. *Prykl. mekh.* 9 no. 1:59-67 '63.

Stability of thin cylindrical shells [with summary in English]. I. A. Amiro. *Prykl. mekh.* 9 no. 3:264-269 '63.

Transition theory of the flexure of strips. B. R. Seth. *Prikl. mat. i mekh.* 27 no. 2:380-382 Mr-Apr '63.

Using a variational method in solving certain problems in the theory of shells [with summary in English]. E. I. Ivanluta, R. M. Finkel'shtein. *Prykl. mekh.* 9 no. 1:42-51 '63.

ELASTIC PLATES AND SHELLS--THERMAL PROPERTIES

Determination of a nonstationary temperature field in a two-layer plate in the case of a heat transfer coefficient varying in time [with summary in English]. M. M. Sidlar. *Prykl. mekh.* 9 no. 3:308-314 '63.

ELASTIC PLATES AND SHELLS--VIBRATION

Analytic solutions of problems of natural vibrations and the stability of conic shells [with summary in English]. V. H. Karnaukhov. *Prykl. mekh.* 9 no. 3:259-263 '63.
Frequency density of the self-oscillations of thin elastic shells. V. V. Bolotin. *Prikl. mat. i mekh.* 27 no. 2: 362-364 Mr-Apr '63.

Natural vibrations of a circular cylindrical shell and of shallow shells reinforced with a rib net [with summary in English]. M. O. Nazarov. *Prykl. mekh.* 9 no. 3: 249-258 '63.

ELASTIC RODS AND WIRES

Carrying capacity of thin-walled rods subjected to oblique bending and torsion [with summary in English]. O. I. Strel'bytska. *Prykl. mekh.* 9 no. 3:275-287 '63.

Design of thin rods with an open profile reinforced by latticework. G. P. Sobolevskii. *Nauch. trudy Tul. gor. inst.* no. 3:68-77 '61.

Determination of the torsional rigidity of a thin rod with cross ties. G. P. Sobolevskii. *Nauch. trudy Tul. gor. inst.* no. 3:78-81 '61.

Propagation of thermal stresses in an elastoplastic rod. I. U. P. Suvorov. *Prikl. mat. i mekh.* 27 no. 2:383-389 Mr-Apr '63.

Two-dimensional problem involving the elastic impact of rods. M. A. Matkov. *Dokl. AN SSSR* 148 no. 4:782-785 F '63.

ELASTIC RODS AND WIRES--MEASUREMENT

Semiautomatic device for measuring the elastic limit of wire. K. G. Gollmkhanov, I. U. A. Kuvshinov, N. V. Sokolov. *Izm. tekhn.* no. 8:32-34 Ag '62.

ELASTIC WAVES

Determining the direction towards an epicenter from Rayleigh and Love waves. Sh. S. Ragimov, N. A. Pavlovskaya. *Dokl. AN Azerb. SSR* 19 no. 1:31-33 '63.
The phenomenon of internal conical refraction of elastic waves. A. G. Khaikovich. *Kristallografiya* 7 no. 6: 916-921 N-D '62.

Velocities of elastic waves in rock samples under the combined action of all-round and uniaxial compression. M. P. Volarevich. *Dokl. AN SSSR* 149 no. 3:583-586 Mr '63.

ELASTICITY

Anomalies of an ΔE -effect in nickel ferrite. V. N. Kuznetsov. *Fiz. met. i metalloved.* 15 no. 3:479-480 Mr '63.

Boundedness of the inverse operator in a mixed problem in the theory of elasticity. S. G. Petrova. *Izv. vya. ucheb. zav.* mat. no. 3:100-121 '63.

External three-dimensional problem in the theory of steady-state vibrations at given displacements on the boundary of the medium. S. Kh. Shatahvil. *Trudy GPI [Gruz.]* no. 6:81-87 '61.

Limit absorption principle in the theory of elasticity [with summary in English]. D. M. Eldus. *Vest. LGU* 10 no. 7:141-154 '63.

Method for approximate solution of the second basic axisymmetric problem in the theory of elasticity [with summary in English]. V. S. Chemerys. *Prykl. mekh.* 9 no. 1:68-76 '63.

Mixed problem in the theory of elasticity for a transversely isotropic hollow cylinder. A. F. Khurastalev, F. A. Vainshtein. *Izv. vya. ucheb. zav.* mat. no. 3:162-165 '63.

Some properties of correlations in the nonlinear theory of elasticity. L. A. Tolokonnikov. *Nauch. trudy Tul. gor. inst.* no. 3:3-27 '61.

Theory of diffusion viscous flow of polycrystalline bodies [with summary in English]. I. M. Lifshits. *Zhur. eksp. i teor. fiz.* 44 no. 4:1349-1367 Ap '63.

ELASTOMERS--THERMAL PROPERTIES

Thermal degradation of a fluorine-containing elastomer of the Kai-F type at temperatures above 300°. Part 2 [with summary in English]. T. G. Degteva, I. M. Sedova, A. S. Kuz'minskii. *Vysokom. soed.* 5 no. 3:378-384 Mr '63.

ELBOW--FRACTURE

Bairov, G. A. [Fractures in the area of the elbow joint in children] *Perelomy v oblasti loktovogo sustava u detei*. [Leningrad] Medgiz, 1962. 151 p. (Biblioteka prakticheskogo vracha) (DNLN)

ELECTION LAW

Concept and basic principles of socialist election law. B. A. Strashun. *Uch. zap. IMO* no. 10:200-239 '62.

ELECTIONS

Bakurskii, A. I., and A. S. Kononov. [Our Soviet government] *Nashi sovetskaya vlast'*. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959. 56 p. (MH-L)

Emblems of false democracy. *Ukraina* no. 4:6 F '63.
Results of elections to the Soviets. *Sov. deput. trud.* no. 4:6 Ap '63.

ELECTRIC APPARATUS AND APPLIANCES

Automatic polar-coordinate compensator R-71. *Prib. i tekhn. eksp.* 8 no. 2:183 Mr-Apr '63.

Board with an automatic system of electric protection. Z. M. Reznikov. *Shkola i proizvod.* 7 no. 2:68-73 F '63.

ITK-4 device for measuring the temperature coefficient of induction. *Prib. i tekhn. eksp.* 8 no. 2:184 Mr-Apr '63.

Points from trade journals. *Prom. energ.* 18 no. 1: 62-63 Ja '63.

Suggestions having received recognition at the Seventeenth All-Union Competition on Best Suggestions for Saving Thermal and Electric Power. *Prom. energ.* 18 no. 1:44-46 Ja '63.

ELECTRIC ARC

Analyzing the process of arc suppression in d.c. apparatus. A. V. Faresonov. *Vest. TSNII MPS* 22 no. 1:28-33 '63.

Classification and concise description of the characteristics of arc quenching networks. N. P. Trusakov. *Vest. aviats.* 23 no. 4:8-10 Ap '63.

Effect of thermal conductivity and polarity of an electrode on particle distribution in an a.c. arc. R. M. Iaroslavskaya, G. E. Zolotukhin. *Trudy Kras. SKhI* 3 no. 1:322-329 '59.

Investigating processes in the arc and the feed sources during passage of the current through the zero point. G. I. Leskov. *Avtom. svar.* 16 no. 2:43-51 F '63.

Study of the quenching of an electric arc in an electron gas. V. N. Borisov, D. S. Aleksandrov, V. V. Mezheva. *Elektroenergetika* no. 6:137-152 '62.

Temperature field in the cooled electrode of a fixed-arc electric heater [with summary in English]. V. I. Krylovich. *Inzh.-fiz. zhur.* 6 no. 3:81-85 Mr '63.

ELECTRIC BREAKDOWN see Breakdown, Electric

ELECTRIC CABLES

Determination of economic wire and cable sizes taking into account the time factor. L. M. Zel'tsburg. *Trudy GPI* 10 no. 5:88-97 '60.

Experimental investigations of materials used in geophysical cables. I. U. Kabalatiev, G. Miskarian. *Prom. Arm.* 6 no. 1:54-57 Ja '63.

ELECTRIC CABLES--TESTING

System for checking the insulation of communication cables with plastic sheathing. I. A. Parkozhka and others. *Elektrosv'az'* 17 no. 5:49-57 My '63.

Use of an IKL-5 device for locating damage in an electric cable. V. P. Eroshkin. *Energetik* 11 no. 3:16-20 Mr '63.

ELECTRIC CABLES--WELDING

Chernov, V. [New method for welding aluminum strands of electric cables] *Novyi sposob palki aluminovykh zhit kabelia; opyt rzhazhskikh gorodskikh elektrosel "Latvenargo" (energetika)*. Riga, Tsent. biuro tekhn. informatsii, 1962. 5 p. (Listok tekhnicheskoi informatsii)

ELECTRIC CIRCUITS

Complex steady motions in nonlinear pulse systems. M. M. Simkin. *Dokl. AN SSSR* 149 no. 3:586-588 Mr '63.

ELECTRIC CLOCKS see Clocks, Electric

ELECTRIC COILS

Design and construction of correcting pole windings for a proton synchrotron. V. V. Vladimirovskii and others. *Prib. i tekhn. eksp.* 7 no. 4:153-158 Ji-Ag '62.

ELECTRIC CONDUCTIVITY

Apparatus for the demonstration of the electric conductivity of substances. E. N. Ovchinnikov. *Khim. v shkole* 18 no. 1:86-87 Ja-F '63.

ELECTRIC CONTACTORS--WELDING

T-welding of relay contacts. R. B. Rudzik and others. *Avtom. svar.* 16 no. 3:79-83 Mr '63.

ELECTRIC CONTROLLERS

Monometer transducer with IPB-45-2 inductive potentiometers in the network of the MFRCh-4 regulator. M. A. Korlak. *Elek. sta.* 34 no. 2:85-88 F '63.

ELECTRIC CRANES

Heat insulation of the electric drives of crane mechanisms. S. Kitsis. *Rech. transp.* 22 no. 3:13-14 Mr '63.

ELECTRIC CURRENT CONVERTERS

Direct current converters for high supply voltage. A. G. Gontsov. *Prib. i tekhn. eksp.* 8 no. 2:175 Mr-Apr '63.

Isay, E. A. [Transistorized voltage converters]

Poluprovodnikovyye preobrazovateli napriazheniya. Moskva, Voenizdat, 1962. 109 p.
Principles of the calculation of the normal operating modes of a three-phase autonomous inverter. I. U. G. Tolstov. *Elektroenergetika* no. 6:66-72 '62.

- ELECTRIC CURRENT CONVERTERS (Continued)**
Static converters of single-phase current to two-phase current. A. M. Bamdas, V. A. Kulnich, Trudy GPI 16 no. 5:72-78 '60.
Static electromagnetic 50/25 c.p.s. frequency converter. A. A. Talykov, N. A. Korchagin, Vest. TSNII MPS 22 no. 2:39-42 '63.
- ELECTRIC CURRENT RECTIFIERS**
Analysis of the operation of a semiconductor electric rectifier of an a.c. train. V. Pirogov, Izv. AN Latv. SSR no. 2:54-62 '63.
Design of the power networks of transistor compensating stabilizers. I. U. V. Safroshkin, Elektrosvaz' 17 no. 5:58-69 My '63.
Expedient use of silicon rectifiers. S. I. Fiksan, Prom. energ. 17 no. 8:34-39 Ag '62.
Kurilov, E. N., and L. A. Sinitskil, [Frequency dependence of rectifier networks] Chastotnye zavisimosti vypryamitel'nykh skhem. Kyiv, Izd-vo Akad. nauk USSR, 1963. 97 p.
- Mercury-arc rectifiers and rectifier units using silicon valves. Prom. energ. 18 no. 4:54-55 Ap '63.
Method for measuring the temperature of the electron-hole junction of silicon power rectifiers. V. E. Chelnokov, Elektrichestvo no. 3:89-90 Mr '63.
A quick-acting electrodynamic pulsed vacuum valve. G. I. Umarov, A. K. Alimov, N. F. Ovechkin, Izv. AN Uz. SSR, Ser. fiz., mat. nauk 7 no. 1:34-38 '63.
- ELECTRIC CURRENTS—LEAKAGE**
Size of settings for current-leakage prevention. V. I. Shchutskii, Bezop. truda v prom. 6 no. 9:24-25 S '62.
Using a three-wire power supply system for streetcars. A. G. Smirnov, Sbor. nauch. rab. AKKH no. 13:18-24 '62.
- ELECTRIC CURRENTS, ALTERNATING—EXPERIMENTS**
Determination of the periodicity of alternating current by an electrolytic method. B. Popov, Fiz. v shkole 23 no. 1:50-51 Ja-F '63.
- ELECTRIC CURRENTS, EDDY**
Method for calculating protection systems of underground metal structures from electric corrosion. B. G. Lorkipandze, Trudy Inst. energ. AN Gruz. SSR 16:67-73 '62.
- ELECTRIC CUTOUPS**
Automatic operative disconnecting of a 110 kv. substation by a disconnector. V. I. Shevstopalov, M. I. Kirillov, Elek. sta. 34 no. 2:88-87 F '63.
Concerning the defects of 35 kv. air switches. P. I. Vodolazskii, Energetik 11 no. 3:16-17 Mr '63.
- ELECTRIC DISCHARGES**
Corona discharge in gaps. V. D. Kravchenko, V. I. Levitov, Elektroenergetika no. 6:122-128 '62.
- ELECTRIC DISCHARGES THROUGH GASES**
Some features of the positive column of a tubular discharge. I. U. A. Pekar, M. V. Konjukov, Nauch. trudy Tul. gor. inst. no. 3:106-110 '61.
Suitable materials for windows in chambers for studying discharges through gases under pressure. I. U. P. Uslov, G. A. Vorob'ev, Prib. i tekhn. eksp. 8 no. 2:177-178 Mr-Apr '63.
Theory of localized anode fluctuations. I. U. A. Pekar, Nauch. trudy Tul. gor. inst. no. 3:101-105 '61.
- ELECTRIC DRIVING**
Characteristics of the performance of power transmissions in case of a joint and separate electric drive. A. I. Iakovlev, I. S. Syridenko, A. B. Kozlovskii, Avi. prom. 28 no. 5:31-33 My '63.
Electric drive of a powder wire drawing machine. M. V. Mitel'man, B. M. Shinkarev, Avtom. svar. 16 no. 4:78-81 Ap '63.
A new system for supplying electric power to roller conveyor motors (from "BBC Mitteilungen," nos. 11 and 12 1961). I. A. E. Vol'kovich, Prom. energ. 18 no. 1:41-42 Ja '63.
Some shortcomings of SP-1 electric drives. I. M. Belykh, Avtom., telemek. i svyaz' 7 no. 4:41 Ap '63.
- ELECTRIC ENGINEERING**
Veselovskii, O. N. [Dolivo-Dobrovolskii, 1862-1919] Dolivo-Dobrovolskii, 1862-1919. Moskva, Izd-vo Akad. nauk SSSR, 1963. 85 p. (Akademiya nauk SSSR, Nauchno-biograficheskaya seriya)
- ELECTRIC ENGINEERING—ABSTRACTS**
[Electrical engineering and electric power] Ref. zhur.: Elektrotekh. i energ. nos. 3-4 Mr-Apr '63. Predmetnyi ukazatel' za 1962 g. Avtorskii ukazatel' za 1962 g.
- ELECTRIC ENGINEERING—BIBLIOGRAPHY** see Bibliography—Electric engineering
- ELECTRIC ENGINEERING—HANDBOOKS, MANUALS, ETC.**
Alekseev, K. A., A. I. Orlov, and V. O. Savanechuk. [Manual for rural telecommunication workers] Posibnyk sil'skoho зв'язkivstva. Vyd. 2., perer. ta dop. Kyiv, Derzhlekhvydav URSSR, 1962. 438 p.
- Dubrovskii, E. P. [Training sites for linemen engaged in welding cables and work on municipal telephone networks] Uchebnye poligony dlia podgotovki kabel'shchikov-spalschikov i lineinykh monterov svyazi gorodskikh telefonnykh setei. Moskva, Proftekhizdat, 1962. 163 p.
- ELECTRIC ENGINEERING—MATERIALS**
Chervinskii, M. M. [Ferroelectrics and prospects for their use in computer engineering] Segnetoelektriki i perspektivy ikh primeneniia v vychislitel'noi tekhnike. Moskva, Gosenergoizdat, 1962. 134 p. (Biblioteka po avtomatike, no. 81)
Lieberman, L. A. [Materials used in the manufacture of power machinery] Materialy, primenyaemye v energomashinostroenii. Moskva, TSINTIMASH, 1961. 181 p.
- ELECTRIC ENGINEERING—PATENTS**
Certificates of invention. Elektrosvaz' 17 no. 5:74-75 My '63.
Foreign patents. Elektrosvaz' 17 no. 5:76 My '63.
- ELECTRIC ENGINEERING—STUDY AND TEACHING**
Electric installation work in the eighth grade. L. A. Liferov, Shkola i proizv. 7 no. 4:40-47 Ap '63.
"Secondary school vocational training in fitting of electric apparatus" by P. N. Andrianov. Reviewed by R. Medvedev, Shkola i proizv. 7 no. 4:80-81 Ap '63.
- ELECTRIC EQUIPMENT INDUSTRY**
(see also subdivision under Moscow)
Designing multiple-article continuous lines for simultaneous assembly of small and medium electric equipment. M. M. Bluvshstein, O. I. Grechushkina, Vest. mashinost. 43 no. 4:70-77 Ap '63.
- ELECTRIC EQUIPMENT INDUSTRY—PRODUCTION STANDARDS** see subdivision under Kharkov
- ELECTRIC FANS** see Fans, Electric
- ELECTRIC FIELDS**
Akademiya stroitel'stva i arkhitektury SSSR, Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stva. [Gluing wooden structural elements in a field of high-frequency currents] Sklevanie derev'nykh stroitel'nykh izdelii v pole tokov vysokoi chastyoty; po materialam TSNI stroitel'nykh konstruktsii ASIA SSSR i drugikh organizatsii. Moskva, Gosstroizdat, 1962. 42 p. [MICROFILM]
Calculating the electric field gradients in ionic crystals. V. N. Lubimov, I. N. Venevisev, E. I. Koiranskina, Kristallografiia 7 no. 6:940-952 N-D '62.
Directed coherent radiation due to breakdown near the track of an ionizing particle [with summary in English]. G. A. Asker'ian, Zhur. eksp. i teor. fiz. 44 no. 4:1337-1339 Ap '63.
Effect of an electric field on the diffusion of thallium on single-crystal germanium. N. I. Ibragimov, M. G. Shakhmatkinskii, A. A. Kuliev, Fiz. tver. tela 5 no. 3: 862-864 Mr '63.
Elastic and piezoelectric properties of cadmium pyroniobate in strong electric fields. V. A. Isupov, V. N. Skubitskii, Fiz. tver. tela 5 no. 3:957-959 Mr '63.
Excitation of ionic-sonic waves and the heating of electrons in a plasma by an external electric field [with summary in English]. I. U. B. Ponomarenko, Zhur. eksp. i teor. fiz. 44 no. 4:1289-1297 Ap '63.
Theory of the electroconductivity of ionic semiconductors in strong electric and magnetic fields [with summary in English]. R. F. Kazarinov, V. G. Skobov, Zhur. eksp. i teor. fiz. 44 no. 4:1368-1374 Ap '63.
- ELECTRIC FIELDS—MEASUREMENT**
Errors in measuring field strength by the method of standard field in 25-400 mc. A. A. Kotovich, Izv. tekhn. no. 3:53-55 Mr '63.
- ELECTRIC FILTERS**
Synthesis of an electric filter with two-link RC-circuits. Ten Nai-d'ium, Elektrosvaz' 17 no. 4:45-52 Ap '63.
Upper frequencies quartz filter using an overlapped T-network. D. A. Borovinskaya, Z. I. A. Gel'mont, Elektrosvaz' 17 no. 5:34-40 My '63.
- ELECTRIC FILTERS—MAINTENANCE AND REPAIR**
Repair of the filters of high-frequency V-12 apparatus. I. S. Pekhov, Avtom., telemek. i svyaz' 7 no. 4:33 Ap '63.
- ELECTRIC FISHING**
Electrotechnical foundations of electric fishing. S. K. Maikевич, Ryb. khoz. 30 no. 4:42-52 '63.
Projector for saury fishing. P. F. Kovtun, Ryb. khoz. 39 no. 2:67-68 '63.
Saury fishing with a pump using light and electric current. I. V. Nikonorov, A. Kh. Pateev, Ryb. khoz. 39 no. 2:51-53 '63.
- ELECTRIC FREQUENCY MEASUREMENTS** see Frequency measurements
- ELECTRIC FURNACES**
"Electromagnetic metal mixing in steel smelting arc furnaces" by N. V. Okorokov. Reviewed by M. G. Rezin and others, Elektrichestvo no. 3:95-96 Mr '63.
- High-temperature laboratory furnace with graphic heater for investigations at temperatures up to 3000° C. A. F. Sheindlin, V. I. A. Cherkhovskii, L. A. Reshetov, Prib. i tekhn. eksp. 8 no. 2:153-156 Mr-Apr '63.
Making steel and alloys in vacuum furnaces. V. G. Kapel'itskii and others, Stal' 23 no. 4:325-328 Ap '63.
Smellanskii, M. I. A., and N. I. Bortnichuk. [Short networks in electric furnaces] Korotkie seti elektricheskikh pechey. Moskva, Gosenergoizdat, 1962. 93 p. (Biblioteka elektrotehnika, no. 13)
- ELECTRIC FURNACES—MODELS**
Model of an electric arc furnace for steel smelting. L. I. A. Boborykin, Khim. v shkole 18 no. 2:72-74 Mr-Apr '63.
- ELECTRIC FUSES**
Protecting power transformers by the PSN-35 fuses. M. Khoyrev, Tekhn. v sel'skhoz. 23 no. 1:47 Ja '63.
- ELECTRIC GENERATORS**
Automatic control of low-power diesel generators. L. Levkoev, S. Iosipian, Tekhn. v sel'skhoz. 23 no. 1: 44-47 Ja '63.
Engineering method for calculating transient processes in a generator-motor system. S. N. Shevchuk, A. N. Laptov, Trudy GPI 16 no. 5:23-33 '60.
Features of using generators and motors with low power rating in the capacity of synchronous compensators. L. V. Litvak, Prom. energ. 18 no. 4:51-52 Ap '63.
Operating conditions of type MAN GV 23, 5/33 diesel generators. A. V. Koz'minykh, V. I. Sokolov, Prib. i tekhn. -ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 4 35-39 '62.
Problems concerning the theory and design of capacitive generators. V. V. Patsevich, Izv. vuz. ucheb. zav., elektromekh. 6 no. 2:174-180 '63.
Two-channel current generator. K. A. Iakovlev and others, Prib. i tekhn. eksp. 8 no. 2:69-72 Mr-Apr '63.
Voltage fluctuation control at the outlet of a cascade generator. I. V. Mozin, Prib. i tekhn. eksp. 6 no. 2: 164 Mr-Apr '63.
- ELECTRIC HEATING**
Accelerated techniques for drying components. S. V. Spirichev and others, Prom. energ. 18 no. 1:10-11 Ja '63.
Electric heating of high-strength wire in continuously reinforced girders. L. E. Litvinov, Tramp. stroit. 13 no. 4:30-34 Ap '63.
- ELECTRIC INDUSTRIAL TRUCKS** see Industrial electric trucks
- ELECTRIC INDUSTRIES**
Objectives of the periodical "Promyshlennaya Energetika" in 1963. Prom. energ. 18 no. 1:2-4 Ja '63.
- ELECTRIC INDUSTRIES—HYGIENIC ASPECTS** see subdivision under Leningrad
- ELECTRIC INDUSTRY WORKERS**
(see also subdivision under Sany)
"If you want to have an occupation" by V. M. Saprykin. Reviewed by S. Arkhangelskii, Shkola i proizv. 7 no. 4:78 Ap '63.
- ELECTRIC INSTRUMENTS**
Electric compensation device for remote measurements of displacements. M. I. Belyi, Izv. tekhn. no. 8:17-19 Ag '62.
Ratiometer circuit with a heater resistance. V. S. P. -kov, Izv. tekhn. no. 8:46-40 Ag '62.
- ELECTRIC INSTRUMENTS—TESTING**
Device for determining the effect of inclination on the readings of electric instruments. B. M. Dorfman, H. A. Krylov, Izv. tekhn. no. 8:53-64 Ag '62.
- ELECTRIC INSULATORS AND INSULATION**
(see also subdivision under Ukraine)
Bachurin, N. I. [Cast-resin high-voltage insulation] Litra izolitatsii vysokogo napriazheniia. Moskva, Gosenergoizdat, 1963. 139 p.
Economic evaluation of some methods of producing high-voltage insulators. M. I. Berezhkovskaya, Stek. i ker. 20 no. 3:39-42 Mr '63.
High-voltage insulators made of glass. A. Mokatsian, Prom. Arm. 6 no. 1:72 Ja '63.
Properties of the KF-8 high-frequency molding composition. V. I. Mikolanko and others, Plast. massy no. 4: 25-26 '63.
Special features of producing and checking tempered glass parts of overhead line insulators. T. D. Andriukhin, N. A. Nikolaev, Stek. i ker. 20 no. 3:13-16 Mr '63.
- ELECTRIC INSULATORS AND INSULATION—SAFETY APPLIANCES**
Valve dischargers with magnetic quenching. D. V. Shishman, Standartizatsiia 27 no. 2:43-44 F '63.
- ELECTRIC INSULATORS AND INSULATION—TESTING**
Device for testing high-voltage insulators. A. V. Aiferov, Avtom., telemek. i svyaz' 7 no. 4:30-33 Ap '63.

ELECTRIC LAMPS

- (see also subdivision under **SARANSK**)
Development of arc-type floodlights for lighting large open spaces. N. V. Chernyshova. Svetotekhnika 9 no. 2:14-18 F '63.
Features of using PRK-2 and EUV-15 lamps as standards. O. P. Sheikova and others. Svetotekhnika 9 no. 3:11-16 Mr '63.
A gas-discharge lamp with nonlinear inductive ballast. A. E. Krasnopol'ski. Svetotekhnika 9 no. 3:22-28 Mr '63.
The IN 1 digital glow-discharge indicator. Svetotekhnika 9 no. 2:32 F '63.
Semiographical method for designing high-pressure tubular mercury-quartz lamps. G. S. Sarychev. Svetotekhnika 9 no. 3:17-10 Mr '63.
Technological notes. A. Presniakov, B. Gusev, A. Blokhin. Kul't. i zhizn' 6 no. 11:41-42 '62.

ELECTRIC LIGHTING

- Choice of apparatus for the protection of electric lighting networks taking into account the starting current of the light sources. S. A. Kihnev, L. A. Raitsel'ski. Svetotekhnika 9 no. 3:10-21 Mr '63.
Compensation of reactive power in lighting fixtures of industrial buildings using DRL lamps. M. S. Rukhov, Z. N. Perebman. Svetotekhnika 9 no. 2:1-5 F '63.
Concerning the form of electrical lighting engineering designs. M. S. Rukhov. Svetotekhnika 9 no. 2:23-24 F '63.
Concerning the scope of lighting engineering designs. A. I. Kots. Svetotekhnika 9 no. 2:24-25 F '63.
Equipment for servicing electric light fixtures in the shops of industrial enterprises. G. B. Dvoirin. Svetotekhnika 9 no. 3:20-20 Mr '63.
Newly graduated lighting engineers. Svetotekhnika 9 no. 3:30 Mr '63.
Points from foreign trade journals. Svetotekhnika 9 no. 2:30-31 F '63.
Points from foreign trade journals. Svetotekhnika 9 no. 3:31 Mr '63.
Points from trade journals. Prom. energ. 10 no. 1: 62-63 Ja '63.
Scope and content of electrical lighting engineering designs. S. A. Kihnev. Svetotekhnika 9 no. 2:22-23 F '63.

ELECTRIC LIGHTING—STANDARDS

- Effective and developed norms on electric lighting. V. N. Mikhailova, E. K. Ruzina. Svetotekhnika 9 no. 2:26-28 F '63.

ELECTRIC LINES—CORROSION

- [Corrosion and protection of metal telecommunication structures] Korrozia i zashchita metallicheskih sooruzhenii sredstv svyazi. [By] I. N. Putilova i dr. Moskva, Svyaz'izdat, 1962. 176 p.

ELECTRIC LINES—OVERHEAD

- Arrangement for cutting the wires of an overhead line. A. D. Nesterov. Avtom. i telemekh. i svyaz' 7 no. 4:36 Ap '63.
Concerning the article "Mounting of wire broadcasting networks and electric power transmission lines on common poles." A. A. Patrui and others. Prom. energ. 17 no. 8:32-34 Ag '62.
Corona discharge in gaps. V. D. Kravchenko, V. I. Levitov. Elektroenergetika no. 6:122-128 '62.
Determination of the power of the regulated transverse compensation of a line. K. P. Meshcherjakov. Elektroenergetika no. 6:158-163 '62.
Disconnecting of a 110 kv. electric power transmission line due to a grass fire in a reed swamp. A. I. Lepilin. Energetik 11 no. 3:17-18 Mr '63.
Establishing the service life guaranty for overhead structures. Zhel. dor. transp. 45 no. 4:90 Ap '63.
Evashenko, F. V. [Safety engineering in signaling and communications] Tekhnika bezopasnosti v khoz. i svyaz. signalizatsii i svyazi. Moskva, Transzheldorizdat, 1963. 143 p.
Installation of unprotected bus conductor lines. IU. M. Gol'dberg. Prom. energ. 18 no. 1:38-40 Ja '63.
Interference caused by partial discharges on the insulators of 0.4 - 35 kv. electrical networks. V. V. Sarapkin. Elektrosvyaz' 17 no. 4:61-69 Ap '63.
Melting ice crusts on guard wires. IU. V. Shumanski. Energetik 11 no. 3:15-16 Mr '63.
Use of aluminum wires in rural 35 kv. power distribution networks with wooden poles. A. P. Kornumov. Energetik 11 no. 3:4-5 Mr '63.
Use of voltage indicators on overhead power transmission lines. M. V. Khomakov. Energetik 11 no. 3:20-27 Mr '63.

ELECTRIC LINES—POLES AND TOWERS

- Concerning the article "Mounting of wire broadcasting networks and electric power transmission lines on common poles." A. A. Patrui and others. Prom. energ. 17 no. 8:32-34 Ag '62.
Concerning the redesigning of reinforced concrete towers for 110 kv. two-circuit power lines developed in 1957 by the Leningrad branch of the Thermal and Electric Power Plant Administration and the Moscow branch of the All-Union Trust for the Construction of Thermal and Electric Power Plants. Elek. sta. 34 no. 2:93-94 F '63.

- [Corrosion and protection of metal telecommunication structures] Korrozia i zashchita metallicheskih sooruzhenii sredstv svyazi. [By] I. N. Putilova i dr. Moskva, Svyaz'izdat, 1962. 176 p.
Efficient type of pole made of precast spun reinforced concrete. V. Sh. Klondadze. Bet. i zhel. -bet. 9 no. 3:115-118 Mr '63.
Functioning of contact network poles subject to prolonged loading. IU. N. Khromets. Transp. stol. 13 no. 4: 51-53 Ap '63.
Reasons why the walls of the center part of contact network poles were thinner. V. G. Pashkovskii. Transp. stol. 13 no. 4:50-51 Ap '63.
Standardization of wooden poles for 35 kv., 110 kv., and 220 kv. overhead power transmission lines. V. V. Ovsienko. Elek. sta. 34 no. 2:73-78 F '63.

ELECTRIC LINES—SAFETY MEASURES

- Use of voltage indicators on overhead power transmission lines. M. V. Khomakov. Energetik 11 no. 3:20-27 Mr '63.

ELECTRIC LINES—UNDERGROUND

- Method for calculating protection systems of underground metal structures from electric corrosion. B. G. Lorkipandze. Trudy Inst. energ. AN Gruz. SSR 10:67-73 '62.
Methods for determining the quality of insulation of underground pipelines and organization of its systematic control. R. R. Ter-Ovanesian. Trudy Inst. energ. AN Gruz. SSR 16:193-204 '62.

ELECTRIC LINES—WELDING

- Chernov, V. [New method for welding aluminum strands of electric cables] Novyi sposob palki aluminovykh zhil kabel'nykh opt. i zhel. gorodskikh elektrosol' "Layonergo" (energetika). Riga, Tsent. biuro tekhn. informatsii, 1962. 5 p. (Listok tekhnicheskoi informatsii)

ELECTRIC LOCOMOTIVES

- Improving the operative efficiency of the VL8 electric locomotives. S. K. Grishchenko, P. I. Bortov, Zhel. dor. transp. 45 no. 4:74-77 Ap '63.
Integral method for evaluating electric traction motors. A. I. Kravchenko, V. B. Bratolubov. Izv. vyz. uchob. zav.; elektromekh. 6 no. 2:220-236 '63.
Investigating the electromagnetic system for the ignition of the ignitrons of VL60 electric locomotives. S. S. Krylov. Vest. TSNi MPS 22 no. 1:24-28 '63.
Overvoltage on the main collector of the N60 electric locomotive. K. B. Aleksandrov, M. N. Novikov, V. V. Pavlovskii. Izv. vyz. uchob. zav.; elektromekh. 6 no. 2:217-223 '63.
Technical and economic comparison of auxiliary machinery systems of rectifier type electric locomotives. N. N. Gorin. Vest. TSNi MPS 22 no. 1:17-20 '63.
Type of electric rectifier locomotives. B. V. Suslov. Zhel. dor. transp. 45 no. 4:57-60 Ap '63.

ELECTRIC LOCOMOTIVES—STANDARDS see subdivision under Novocherkassk

ELECTRIC LOCOMOTIVES—TESTING

- Basic results of the traction tests of the main line VL40 d. c. electric locomotive. B. G. Bovo, G. V. Grandova, IU. I. Chavirin. Vest. TSNi MPS 22 no. 2:3-9 '63.

ELECTRIC MACHINERY

- Calculation of the magnetic field of an a. c. machine with randomly wound stator windings using digital computers. D. H. Sinelnikov. Izv. vyz. uchob. zav.; elektromekh. 6 no. 2:193-204 '63.
Calculation of the toothed layer of the armature. V. S. Khvostov. Elektricheskoye no. 3:66-71 Mr '63.
[Collectors of electrical machines using plastic materials] Kollektory elektricheskikh mashin iz plastmassy. [By] A. A. Flish i dr. Moskva, Gosenergoizdat, 1963. 191 p.
Contactless asynchronous exciter for synchronous machines. Sh. I. Lavidze, V. I. Chursin. Elektroenergetika no. 6:92-96 '62.
Katsman, M. M. [Laboratory work on electric machines and transformers] Laboratornye raboty po elektricheskim mashinam i transformatoram. [Moskva] Rosvuzizdat, 1963. 90 p.
Points from technical trade journals. Prom. energ. 18 no. 4:52-53 Ap '63.
Stationary methods for determining phase sequence order in electrical machines. E. I. Zubokritskii. Prom. energ. 17 no. 8:10-13 Ag '62.

ELECTRIC MACHINERY—DIRECT CURRENT

- Analyzing the process of arc suppression in d. c. apparatus. A. V. Parafonov. Vest. TSNi MPS 22 no. 1:28-33 '63.

ELECTRIC MACHINERY—MAINTENANCE AND REPAIR

- Baranov, S. E. [Repair of the electric equipment of metallurgical plants] Remont elektrooborudovaniia metallurgicheskikh zavodov. Izd. 2. perer. i dop. Moskva, Metallurgizdat, 1963. 527 p.

ELECTRIC MACHINERY—WINDINGS

- Kufera, Jaroslav, and Josef Winkl. [Windings of rotary machines] Obmotki elektricheskikh vrashchatel'nykh mashin. Prague, Izd-vo Chechoslovenskei akad. nauk, 1963. 981 p.

ELECTRIC MACHINERY INDUSTRY see subdivision under Moscow

ELECTRIC MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

- Liberman, L. A. [Materials used in the manufacture of power machinery] Materialy, primeneniye v energomashinostroenii. Moskva, TSINTIMASH, 1961. 101 p.

ELECTRIC MEASUREMENTS

- Concerning the defects of the VAF-85 device. A. I. Ivanov. Elek. sta. 34 no. 2:87 F '63.
Determination of some quality indices of amplifying devices using a nonlinear distortion measuring device. G. K. Pan'kov. Vest. svyazi 23 no. 4:6 Ap '63.
Filippov, M. M., and others. [Oscillographic recording of super-high frequency oscillations] Otsillografirovaniye kolebaniy sverkhvysokichestot. [By] A. N. Bukin, M. M. Filippov, A. E. Inanov. Pod red. M. M. Filippova. [Leningrad] Izd-vo Leningradskogo univ., 1963. 211 p.
The IN 1 digital glow-discharge indicator. Svetotekhnika 9 no. 2:32 F '63.

- A new electromechanical converter. A. A. Kol'tsov. Izv. vyz. uchob. zav.; elektromekh. 6 no. 2:252-262 '63.

ELECTRIC METAL CUTTING

- Invisible cutters. N. Sergeev. Izobr. i rats. no. 3:10-11 '63.
Machines with wear-resistant cutters for the automatic air-arc machining of metals. V. S. Kornienko, A. S. Vitlin. Sudostroenie 28 no. 4:51-54 Ap '63.
Making forging die impressions by electric pulse techniques. A. V. Burkova, E. A. Hoshstein. Avi. prom. 20 no. 5:30-39 My '63.

ELECTRIC METAL CUTTING—BIBLIOGRAPHY see Bibliography—Electric metal cutting

ELECTRIC METERS

- Concerning the defects of the VAF-85 device. A. I. Ivanov. Elek. sta. 34 no. 2:87 F '63.
Coordination of work in the field of electric meters. V. A. Normeta. Priborostroenie no. 4:20 Ap '63.
Device for determining the group connection of three-phase transformers. G. I. Shevchuk. Energetik 11 no. 3:20-22 Mr '63.

ELECTRIC METERS—TESTING

- Determining errors of an induction meter depending on the sense of disk rotation. IU. I. Atemborski. Izv. tekhn. no. 3:45-48 Mr '63.
Effect of power factor on an electrometer-wattmeter. S. M. Pighn. Izv. tekhn. no. 3:31-33 Mr '63.
Effect of the shape of current and voltage curve on the readings of rectifying electric meters. L. M. Bogorad. Izv. tekhn. no. 3:33-37 Mr '63.

ELECTRIC MOTORS

- Automation of the selection of copper plates in assembling electric collectors. V. S. Isaev. Izv. vyz. uchob. zav.; elektromekh. 6 no. 2:269-274 '63.
Determination of the overload characteristics of an electric motor. S. N. Shevchuk. Trudy GPI 16 no. 5:12-22 '60.
Determination of the parameters of a parametric (reactive) motor. I. M. Postnikov, V. V. Ralle. Elektr. chestvo no. 3:57-60 Mr '63.
Developed motor. Izobr. i rats. no. 3:22-23 '63.
Electric motors of the MT-MTK 000-700 series for cranes and metallurgical plants. Prom. energ. 18 no. 1:63-64 Ja '63.
Electrometric motor [from "Electrical Journal," no. 9 (1962), 1A, E. Vol'fkovich. Prom. energ. 18 no. 4:38-30 Ap '63.
Engineering method for calculating transient processes in a generator-motor system. S. N. Shevchuk, A. N. Laptov. Trudy GPI 16 no. 5:23-33 '60.
Features of using generators and motors with low power rating in the capacity of synchronous compensators. L. V. Litvak. Prom. energ. 18 no. 4:51-52 Ap '63.
Field in the air gap of a reduction motor. A. S. Kurakin. Izv. vyz. uchob. zav.; elektromekh. 6 no. 2:181-192 '63.
Studying standardized electric motors for mechanized instruments. P. D. Makeyev. Trudy TSNIME no. 30: 49-60 '62.
Tala, A. A., and others. [Electric power engineering] Elektroenergetika. [By] G. A. Bykov i dr. Pod red. A. N. Ivanova i A. A. Talsa. Moskva, Metallurgizdat, 1962. 190 p. (Tekhnicheskii progress v chernoi metallurgii SSSR)

ELECTRIC MOTORS—MAINTENANCE AND REPAIR

- From the editors mail. N. E. Pelinovskii. Prom. energ. 18 no. 1:61 Ja '63.

ELECTRIC MOTORS—SAFETY APPLIANCES

- Additional protection of electric motors against burning out. V. G. Mikhailenko. Khleb. i kond. prom. 7 no. 4: 20 Ap '63.
Semiconductor device with automatic action for the protection of electric motors. V. G. Dorisovich. Torf. prom. 40 no. 3:35 '63.

ELECTRIC MOTORS—SAFETY MEASURES

Requirements of large-scale chemical industry from explosionproof electric motors. I. I. Rakovich. Prom. energ. 17 no. 8:28-31 Ag '62.

ELECTRIC MOTORS—STARTING DEVICES

PA-series magnetic starters. Prom. energ. 17 no. 8: 54-55 Ag '62.

ELECTRIC MOTORS—WINDINGS

Use of compensating windings in electric traction motors. I. U. A. Runov. Vest. TSNI MPS 22 no. 2:13-16 '63.

ELECTRIC MOTORS, INDUCTION

Reversing a single-phase asynchronous motor by switching phases (from "Electrical Engineering," no. 1 1961). I. A. E. Vol'kovich. Prom. energ. 17 no. 8:40 Ag '62.

Syromiatnikov, I. A. [Operation of asynchronous and synchronous electric motors] Rezhimy raboty asinkhronnykh i sinkhronnykh elektrodvigatelei. Izd. 3., perer. i dop. Moskva, Gosenergoizdat, 1963. 527 p.

ELECTRIC MOTORS, SYNCHRONOUS

Syromiatnikov, I. A. [Operation of asynchronous and synchronous electric motors] Rezhimy raboty asinkhronnykh i sinkhronnykh elektrodvigatelei. Izd. 3., perer. i dop. Moskva, Gosenergoizdat, 1963. 527 p.

ELECTRIC NETWORKS

Accomplishments in the field of nonlinear circuits. L. A. Besonov. Elektrichestvo no. 3:20-28 Mr '63.

Analysis of the sensitivity of an electric network containing photoresistors [with summary in English]. S. P. Papazov, I. A. Maslakov. Avtom. i telem. 24 no. 3:393-397 Mr '63.

Classification and concise description of the characteristics of arc quenching networks. N. P. Trusakov. Vest. aviatsii 23 no. 4:8-10 Ap '63.

Engineering method for calculating transient processes in a generator-motor system. S. N. Shevchuk, A. N. Laptev. Trudy GPI 16 no. 5:23-33 '60.

Integrating four-terminal network in an a.c. regulatory stage. N. P. Vlasov. Trudy GPI 16 no. 5:5-11 '60.

Magnetizing action of even harmonics in three-phase choke networks. M. N. Gubanov. Elektrichestvo no. 3: 85-88 Mr '63.

Minimum two-terminal switching rectifier networks for symmetrical monotone functions. A. A. Markov. Probl. kib. no. 8:117-121 '62.

More about auxiliary connections in electrical networks. T. P. Mustov. Prom. energ. 17 no. 8:49-50 Ag '62.

Transient processes in a tracking circuit. A. P. Zelenin. Radiotekhnika 18 no. 2:66-69 F '63.

Use of frequency methods for determining periodic operating conditions. A. P. Milutin. Elektroenergetika no. 6:153-157 '62.

ELECTRIC OSCILLATORS see Oscillators, Electric

ELECTRIC POWER

Brief reports on power engineering in the U.S.S.R. Prom. energ. 18 no. 1:60-61 Ja '63.

Consumption of electric power in dwellings. R. I. Fedosenko, G. V. Mirer. Elektrichestvo no. 3:14-20 Mr '63.

From the State Committee of Industrial Power Engineering and Power Engineering Inspection attached to the Ministry of Power Engineering and Electrification of the U.S.S.R. Prom. energ. 18 no. 1:60 Ja '63.

In foreign countries. Prom. energ. 18 no. 1:61 Ja '63.

Interfactory study group on the saving of electric power. I. P. Bakanov. Prom. energ. 18 no. 4:43-44 Ap '63.

Suggestions having received recognition at the Seventeenth All-Union Competition on Best Suggestions for Saving Thermal and Electric Power. Prom. energ. 18 no. 1:44-46 Ja '63.

ELECTRIC POWER—ABSTRACTS

[Electrical engineering and electric power] Ref. zhur. : Elektrotekh. i energ. nos. 3-4 Mr-Apr '63. Pradmetnyi ukazatel' za 1962 g. Avtorskii ukazatel' za 1962 g.

ELECTRIC POWER DISTRIBUTION

Automatic regulation of the excitation synchronous generators in an electric power system with several generating stations. G. V. Mikhnevich, G. F. Kozlovskii. Elektroenergetika no. 6:3-21 '62.

Automatic start of the heating system of the oil drums of 110 kv. oil-filled switches. G. I. Khazhina, V. I. Savina. Prom. energ. 18 no. 1:11-12 Ja '63.

Babaev, N. T., and V. V. Kulikov. [Use of radio relay lines and microwave radio communication in electric power systems] Primeneniye radioreleinykh lini i UKV radiosv'yazi v energosistemakh. Pod obshchey red. V. V. Kulikova. Moskva, Gosenergoizdat, 1963. 175 p.

Characteristics and applications of doubled current limiting reactors. V. G. Sternin, A. K. Karpenskii, L. I. Dvorskii. Elek. sta. 34 no. 2:85-89 F '63.

Compensation of reactive power in lighting fixtures of industrial buildings using DRL lamps. M. S. Rjabov, Z. N. Perel'man. Svetotekhnika 9 no. 2:1-5 F '63.

Concerning A. S. Sergeev's article "Nomograms for calculating an electric cable network in a mine section." P. L. Svetlichnyi, V. V. Glushko. Prom. energ. 18 no. 4:48-50 Ap '63.

Determination of a zone for centralized power supply of rural areas and problems concerning the choice of power sources from beyond this zone. G. V. Sheremetev. Elektrichestvo no. 3:5-9 Mr '63.

Determination of the power of the regulated transverse compensation of a line. K. P. Meshcheriakov. Elektroenergetika no. 8:158-163 '62.

Determination of the relative minimum of a function in problems concerning the optimum distribution of power in electrical systems with given permissible operating limits. K. A. Smirnov. Elektroenergetika no. 6:42-47 '62.

Determination of the required degree of transverse and longitudinal compensation in long-distance power transmission systems. A. A. Kriukov. Elektroenergetika no. 6:48-55 '62.

Economic limits of current loads for 110-550 kv. overhead power transmission lines using standardized towers. A. N. Sherentsev, V. A. Gorshkina. Elektrichestvo no. 3:39-45 Mr '63.

Effect of nonsymmetrical loading of power distribution networks by contact welding machines supplying power to consumers. G. A. Shtelnike. Trudy GPI 16 no. 5: 84-87 '60.

Effect of the quality of the voltage on the operation of industrial power systems. B. A. Konstantinov. Prom. energ. 18 no. 4:7-10 Ap '63.

Experience in studying electrical loads. A. N. Tarumov, S. A. Fridman. Prom. energ. 18 no. 4:28-31 Ap '63.

Features of using generators and motors with low power rating in the capacity of synchronous compensators. L. V. Litvak. Prom. energ. 18 no. 4:51-52 Ap '63.

Introduction of changes and additions in the regulations governing the testing and use of electric protection systems presently used in electric power systems. Elek. sta. 34 no. 2:94 F '63.

A mobile bypass-type line disconnector for 35 kv. ZRU enclosed power distribution systems. I. U. M. Tere-shchenko. Elek. sta. 34 no. 2:62-64 F '63.

More about auxiliary connections in electrical networks. T. P. Mustov. Prom. energ. 17 no. 8:49-50 Ag '62.

Points form technical trade journals. Prom. energ. 18 no. 4:52-53 Ap '63.

Principal requirements of automatic frequency and active power control in electric power distribution systems and prospects of satisfying these conditions with present control systems. I. M. Markovich, S. A. Sovatov. Elektroenergetika no. 8:22-41 '62.

Principles of the calculation of the normal operating modes of three-phase autonomous inverter. I. U. G. Tolstov. Elektroenergetika no. 8:56-72 '62.

Problem concerning the determination of electrical loads of industrial enterprises. I. U. L. Mukoseev, S. I. Ogorodov. Elektrichestvo no. 3:46-47 Mr '63.

Power losses due to corona during a rain. V. I. Levitov. Elektroenergetika no. 8:113-121 '62.

Raise the technical level in operating electric power systems. Prom. energ. 18 no. 4:2-4 Ap '63.

Series of KRU2-10P-type power distribution devices. Energetik 11 no. 3:30-31 Mr '63.

Supplementary clarifications to chapter 33 of "Regulations for operating electric networks and power plants." F. A. Likhachev. Energetik 11 no. 3:22-24 Mr '63.

ELECTRIC POWER DISTRIBUTION—ALTERNATING CURRENT

Increase in the frequency of commercial a.c. and determination of its optimum value for future electrification of the U.S.S.R. V. S. Kulebakin, V. A. Vankov. Elektrichestvo no. 3:9-14 Mr '63.

ELECTRIC POWER DISTRIBUTION—CONGRESSES

Conference of the workers of electricity distributing enterprises of electric power systems. F. I. Gorin. Prom. energ. 18 no. 1:59-60 Ja '63.

ELECTRIC POWER DISTRIBUTION—DIRECT CURRENT

Role of the regulation of rectified voltage in d.c. power transmission systems with intermediate power take-off. I. M. Klenin, V. N. Bako. Elektroenergetika no. 6: 97-112 '62.

ELECTRIC POWER DISTRIBUTION—MODELS

A static model of an electric power system in the Power Engineering Institute of the Academy of Sciences of the Georgian S.S.R. V. G. Kadelishvili, V. P. Kasha-kashvili, G. S. Lezhava. Trudy Inst. energ. AN Gruz. SSR 18:137-149 '62.

ELECTRIC POWER DISTRIBUTION—SAFETY MEASURES

Concerning the manufacture of signal lamps, electric instruments, safety devices, and fuses. P. Dakhnevich. Prom. energ. 18 no. 4:50-51 Ap '63.

ELECTRIC POWER DISTRIBUTION—SAFETY REGULATIONS

Clarification of "Safety Engineering Regulations for Operating and Servicing Electrical Systems of Industrial Enterprises." Prom. energ. 17 no. 8:42-45 Ag '62.

ELECTRIC POWER PLANTS

(see also subdivision under Donets Basin; Elektrol; Lukoml' Lake region; Sverdlovsk)

Automatic regulation of the excitation synchronous generators in an electric power system with several generating stations. G. V. Mikhnevich, G. F. Kozlovskii. Elektroenergetika no. 6:3-21 '62.

Brief news from abroad. Prom. energ. 17 no. 6:49 Ag '62.

Concerning V. M. Kedrin's article. P. G. Grudinskii, L. V. Prodanov, E. F. Ioffe. Elek. sta. 34 no. 2:71-72 F '62.

Consideration of the effect of synchronous motors during short-circuits in the self-needs power supply system of large thermal electric power plants. V. I. Ogurtsov. Elek. sta. 34 no. 2:59-61 F '63.

Consolidated central signaling system of the machine room and a wider range of responsibilities of turbine technicians. I. U. N. Chekhov. Elek. sta. 34 no. 2: 26-30 F '63.

Development of electric power engineering in the U.S.S.R. Razvitiye elektroenergetiki SSSR. Moskva, Gosenergoizdat, 1961. 55 p.

[PHOTOCOPIY]

In the Ministry of Power Engineering and Electrification of the U.S.S.R. Energetik 11 no. 3:20-30 Mr '63.

Method for studying corrosion by measuring electrical conductivity of samples. P. A. Akol'tzin, E. N. Ivanov. Teploenergetika 10 no. 3:8-12 Mr '63.

Mobile electric power stations. V. A. Andreykov, O. F. Kudrinskoy, Blul, tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 3:45-48 '63.

Networks for the self-needs of thermal electric power plants with generators exceeding 25 Mw. V. M. Kedrin. Elek. sta. 34 no. 2:69-71 F '63.

New water heating equipment for electric power plants. S. M. Gurvich, A. P. Mamed. Teploenergetika 10 no. 3: 87-92 Mr '63.

Pet'ko, N. I., and I. B. Berman. [Networks for supplying a.c. operative power to relay protection and automatic control systems in municipal electric power plants and substations] Skhemy planiraniya peremennym operativnym tokom tsepoi releinoi zashchity i avtomatiki na gorodskikh elektricheskikh stantsiyakh i podstantsiyakh ekspluatatsiya i naladzka. Moskva, Izd-vo M-vn kommun. khoz. RSFSR, 1963. 76 p.

Principal requirements of automatic frequency and active power control in electric power distribution systems and prospects of satisfying these conditions with present control systems. I. M. Markovich, S. A. Sovatov. Elektroenergetika no. 8:22-41 '62.

Supplementary clarifications to chapter 33 of "Regulations of operating electric networks and power plants." F. A. Likhachev. Energetik 11 no. 3:22-24 Mr '63.

ELECTRIC POWER PLANTS—BIBLIOGRAPHY see Bibliography—Electric power plants

ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Leningrad)

Assembly of the main buildings of thermal electric plants using BK-1425 cranes. A. N. Antipin. Mekh. stroi. 20 no. 5:2-4 My '63.

ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

(see also subdivision under Lvov)

Manometer transducer with IPD-45-2 inductive potentiometers in the network of the MFRCh-4 regulator. M. A. Korotkin. Elek. sta. 34 no. 2:85-86 F '63.

Protective coatings and finishings of the heat insulation of pipelines and equipment of electric power plants. F. G. Tsenar. Elek. sta. 34 no. 2:84-85 F '63.

ELECTRIC POWER PLANTS—HEATING AND VENTILATION

Experience in using natural gas in hot-air blowing systems for heating the main structure of a thermal electric power plant during its starting cycle. A. P. Prokof'ev, G. F. Mogilevskii. Elek. sta. 34 no. 2:79-81 F '63.

ELECTRIC POWER PLANTS—VENTILATION

Aeration of the main buildings of thermal electric plants. M. I. Artem'ev, V. N. Taliev. Vod. i san. tekhn. no. 4: 21-24 Ap '63.

ELECTRIC POWER PLANTS—WATER SUPPLY

"Overall automation and remote control of the water supplying systems of industrial enterprises." A. Kh. Dobrovskii. Prom. energ. 17 no. 8:52-53 Ag '62.

ELECTRIC POWER PRODUCTION

Science and technology in the world of the future. M. M. Semenov. Nauka i zhizn' 30 no. 1:2-15 Ja '63.

ELECTRIC POWER SUPPLY TO APPARATUS

Design of the power networks of transistor compensating stabilizers. I. U. V. Safroshkin. Elektrosvyaz' 17 no. 5:58-60 My '63.

Pet'ko, N. I., and I. B. Berman. [Networks for supplying a.c. operative power to relay protection and automatic control systems in municipal electric power plants and substations] Skhemy planiraniya peremennym operativnym tokom tsepoi releinoi zashchity i avtomatiki na gorodskikh elektricheskikh stantsiyakh i podstantsiyakh ekspluatatsiya i naladzka. Moskva, Izd-vo M-vn kommun. khoz. RSFSR, 1963. 76 p.

Universal source of constant voltage in semiconductor devices. Zh. Mikrichan, E. Muradkhanian. Prom. Arm. 6 no. 1:32-35 Ja '63.

ELECTRIC PROSPECTING

Measuring apparatus for two-frequency inductive electric prospecting. D. G. Levchenko, V. M. Nosov. Geol. i geofiz. no. 1:134-136 '63.

ELECTRIC PROTECTION

Choice of apparatus for the protection of electric lighting networks taking into account the starting current of the light sources. S. A. Kiluev, L. A. Raitsevskii. Svetotekhnika 9 no. 3:19-21 Mr '63.

Introduction of changes and additions in the regulations governing the testing and use of electric protection systems presently used in electric power systems. Elek. sta. 34 no. 2:94 F '63.

Use of condensers in an undercurrent protection system. R. A. Svirskii. Prom. energ. 18 no. 4:95-97 Ap '63.

ELECTRIC RAILROADS

Analysis of the operation of a semiconductor electric rectifier of an a.c. train. V. Pirogov. Izv. AN Latv. SSR no. 2:54-62 '63.

ELECTRIC RAILROADS—COMMUNICATION SYSTEMS

Radio communication system for municipal electric commuter trains. V. I. Egorov. Avtom., telem. i svyaz' 7 no. 4:34-36 Ap '63.

ELECTRIC RAILROADS—CONSTRUCTION

Establishing the service life guaranty for overhead structures. Zhef. dor. transp. 45 no. 4:96 Ap '63.

ELECTRIC RAILROADS—CURRENT SUPPLY

A.C. track circuits with grounding stages. A. Sh. Nozadze. Trudy Inst. energ. AN Gruz. SSR 16:127-135 '62.

Analytical calculations of economically optimum parameters of single-phase electric railroad power supply systems. D. I. Asafiani. Trudy Inst. energ. AN Gruz. SSR 16:89-100 '62.

Design of a rail distribution system for a single load fed by two substations. A. B. Akopian. Vest. TSNII MPS 22 no. 1:33-37 '63.

Improving the d.c. electric traction systems. T. P. Treil'sk. Zhef. dor. transp. 45 no. 1:34-37 Ja '63.

Inverse sequence conditions in electrical systems and voltage conditions at the busbars of substations with single-phase traction loads. D. V. Timofeev. Elektrichestvo no. 3:29-30 Mr '63.

Load distribution in an a.c. track circuit. A. Sh. Nozadze. Trudy Inst. energ. AN Gruz. SSR 16:113-118 '62.

ELECTRIC RAILROADS—EQUIPMENT AND SUPPLIES

Shunt expander. A. M. L'vitsyn. Put' i put. khoz. 7 no. 3:42-43 '63.

ELECTRIC RAILROADS—SAFETY REGULATIONS

Russia (1923- U. S. S. R.) Glavnoe upravlenie elektrifikatsii i energeticheskogo khoz. i stva. [Safety engineering manual for operating the contact networks of a.c. electrified railroads] Pravila tekhniki bezopasnosti pri ekspluatatsii kontaktnoi seti peremennogo toka elektrifitsirovannykh zheleznykh dorog. Moskva, Transzheldorizdat, 1962. 139 p.

ELECTRIC RAILROADS—SUBSTATIONS

Calculation of short-circuit currents of power supplying substations. A. B. Chernin. Izv. vys. ucheb. zav. i elektromekh. 6 no. 2:275-278 '63.

ELECTRIC RAILROADS—WIRES AND WIRING

Burn-out and overheating of the wire at its contact point with the skate of a stationary trolley. S. D. Sokolov. Vest. TSNII MPS 22 no. 1:21-24 '63.

Leading contact network electricians. I. I. Maksimenko. Avtom., telem. i svyaz' 7 no. 4:3 Ap '63.

Markvardt, G. G. [Design and operation of contact network suspension systems] Uslovila raboty i raschet kontaktnoi podveski; uchebnoe posobie po distal'pne "Kontaktnaya set'" dlia studentov IV kursa spetsial'nosti "Elektrifikatsiya zheleznodorozhnogo transporta." Moskva, Vses. zaochnyi in-t inzhenerov zhef. dor. transporta, 1962. 85 p.

Russia (1923- U. S. S. R.) Glavnoe upravlenie elektrifikatsii i energeticheskogo khoz. i stva. [Safety engineering manual for operating the contact networks of a.c. electrified railroads] Pravila tekhniki bezopasnosti pri ekspluatatsii kontaktnoi seti peremennogo toka elektrifitsirovannykh zheleznykh dorog. Moskva, Transzheldorizdat, 1962. 139 p.

Shielding effect of underground metal structures during the galvanic action of a.c. railroads. L. D. Razumov. Elektrosvyaz' 17 no. 3:64-70 Mr '63.

ELECTRIC RAILWAY MOTORS

Integral method for evaluating electric traction motors. A. I. Kravchenko, V. B. Bratolubov. Izv. vys. ucheb. zav. i elektromekh. 6 no. 2:229-236 '63.

ELECTRIC REACTORS

Characteristics and applications of doubled current limiting reactors. V. G. Sternin, A. K. Karpenskii, L. I. Dvorkin. Elek. sta. 34 no. 2:65-69 F '63.

Use of saturable reactors in compensating devices with static condensers. N. D. Toroplov. Izv. vys. ucheb. zav. i elektromekh. 6 no. 2:263-268 '63.

ELECTRIC RELAYS

Analysis of the operation of differential relays with dual transformation. A. D. Drozdov, V. V. Platonov. Elektrichestvo no. 3:52-57 Mr '63.

Device for controlling the load on the electric motor of the peat pump. A. N. Emel'yanov. Torf. prom. 40 no. 3:35-36 '63.

Homemade resonance relay. V. Firsov. IUN. tekhn. 7 no. 2:58 F '63.

New designs of level relays. A. G. Rotenberg, V. M. Marshov. Khol. tekhn. 40 no. 2:10-13 Mr-Ap '63.

Single-phase translator converter circuit. Sh. I. Lutidze, A. V. Mishulin. Elektroenergetika no. 6:73-81 '62.

Symposium on the Theory of Relay Systems and Finite Automata. M. A. Gavrilov. Vest. AN SSSR 33 no. 4: 85-88 Ap '63.

Translator heat and photoelectric relays. A. M. Ter-skikh. Shkola i proizv. 7 no. 2:74-76 F '63.

VIRS-2 nonsparkling relay with induction pickups. V. S. Komarov, V. M. Nazluchanin, T. V. Belikova. Bezop. truda v prom. 8 no. 8:30 Ag '62.

ELECTRIC RELAYS—TESTING

Panel for checking the potential of track relays. V. D. Butskii. Avtom., telem. i svyaz' 7 no. 4:40 Ap '63.

Portable device for checking relay protection apparatus. A. N. Nikanorov. Prom. energ. 17 no. 8:8-10 Ag '62.

ELECTRIC RESISTANCE

Resistance of slender plates and wires in a magnetic field [with summary in English]. M. I. A. Zhelezn. fiz. 44 no. 4:1262-1270 Ap '63.

ELECTRIC RESISTORS

Study of the heat emission of different types of electric resistors. B. G. Korotkevich. Trudy MIIT no. 139:200-205 '61.

ELECTRIC RESONATORS

Anisotropy of the resonance line width in yttrium garnet with rare earth impurities. A. G. Gurevich, Men Sian'-chzheng [Mang Hsien-cheng], S. S. Starobinets. Fiz. tver. tela 5 no. 3:740-749 Mr '63.

Electron loading of a cyclotron resonator. B. A. Zager and others. Prib. i tekhn. eksp. 8 no. 2:20-24 Mr-Ap '63.

Generation of radiation from an infinite plane-parallel layer. B. I. Stepanov and others. Izv. AN SSSR. Ser. fiz. 27 no. 4:460-465 Ap '63.

ELECTRIC SHIP PROPULSION see Ship propulsion, Electric

ELECTRIC STANDARDS

New methods for the calibration of electric resistance standards. V. P. Shigorin. Izv. tekhn. 7 no. 3:28-31 Mr '63.

ELECTRIC SUBSTATIONS

Analysis of methods of controlling rectified voltage on busbars of traction substations. A. A. Trofimov. Sbor. nauch. rab. AKKH no. 13:80-92 '62.

Automatic operative disconnecting of a 110 kv. substation by a disconnecter. V. I. Shevtsov, M. I. Kirillov. Elek. sta. 34 no. 2:86-87 F '63.

Automation of the traction substations of streetcars and trolley buses. N. M. Kulikovskaya, V. P. Magnichkina, A. I. L'kovlev. Sbor. nauch. rab. AKKH no. 13:93-104 '62.

Concerning the number of electric transformers in the substations of deep well pumps in oil fields. M. A. Eshban. Prom. energ. 18 no. 1:30-33 Ja '63.

Construction of transformer substations with block-type reinforced concrete enclosures. V. K. Andreoletti, A. P. Shcheglov. Elek. sta. 34 no. 2:43-47 F '63.

Determining the optimum capacity of trolley-bus substations. L. M. Vlasova. Sbor. nauch. rab. AKKH no. 13:105-118 '62.

Pet'ko, N. I., and I. B. Berman. [Networks for supplying a.c. operative power to relay protection and automatic control systems in municipal electric power plants and substations] Skhemy pitaniya peremennym operativnym tokom tsapeli releinoi zashchity i avtomatiki na gorodskikh elektricheskikh stantsiyakh i podstantsiyakh; ekspluatatsiya i naladka. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 76 p.

Protection from single-phase short circuits in substations without cutouts at the high voltage end. A. M. Turkot. Elek. sta. 34 no. 2:87-88 F '63.

Providing electric power for construction projects from stationary networks. A. B. Topolianskii. Stroitel' i arkhit. Len. 24 no. 12:30-32 D '62.

Remote control of rural transformer substations. D. Metrikin, E. Kaplan, M. Ushakova. Tekhn. v sel'khoz. 23 no. 1:42-44 Ja '63.

Use of condensers in an undercurrent protection system. R. A. Svirskii. Prom. energ. 18 no. 4:35-37 Ap '63.

ELECTRIC SUBSTATIONS—HEATING AND VENTILATION

Electrical heating of the control room of a substation by cables under the floor. I. A. E. Volkovich. Prom. energ. 17 no. 8:40 Ag '62.

ELECTRIC SWITCHGEAR

Additional disconnecting coils in load spring switch drives. B. A. Kholodovskii. Prom. energ. 18 no. 4: 13 Ap '63.

Automatic start of the heating system of the oil drums of 110 kv. oil-filled switches. G. I. Khazhina, V. I. Savina. Prom. energ. 18 no. 1:11-12 Ja '63.

Automatic switch with multiple operation. Avtom., telem. i svyaz' 7 no. 4:29 Ap '63.

Concerning the defects of 35 kv. air switches. P. I. Vedolazskii. Energetik 11 no. 3:16-17 Mr '63.

Failure of opening 110 kv. and 220 kv. drum-type oil-filled cutouts according to priority. Elek. sta. 34 no. 2: 94-96 F '63.

"High-voltage switch drives" by I. G. Korovlevskii. Reviewed by B. Z. Vainshtein. Elek. sta. 34 no. 2:92 F '63.

In the factories. Prom. energ. 17 no. 8:41 Ag '62.

Study of the arc quenching properties of freon and electron gas. V. N. Borisov, D. S. Aleksandrov, V. V. Mezheva. Elektroenergetika no. 6:120-136 '62.

Study of the quenching of an electric arc in an electron gas. V. N. Borisov, D. S. Aleksandrov, V. V. Mezheva. Elektroenergetika no. 6:137-152 '62.

Use of VV-35 air switches. G. P. Tarasov, I. G. Kochukov. Prom. energ. 18 no. 1:24-25 Ja '63.

ELECTRIC TRANSFORMERS

Analysis of the operation of differential relays with dual transformation. A. D. Drozdov, V. V. Platonov. Elektrichestvo no. 3:52-57 Mr '63.

Device for determining the group connection of three-phase transformers. G. I. Shevchuk. Energetik 11 no. 3:20-22 Mr '63.

Electric transformer regulated by shunt magnetization with branch taps and split secondary winding. A. O. Shmidt. Trudy GPI 16 no. 5:88-90 '60.

In the factories. Prom. energ. 17 no. 8:41 Ag '62. Katsman, M. M. [Laboratory work on electric machines and transformers] Laboratornye raboty po elektricheskim mashinam i transformatoram. [Moskva] Rossvuzizdat, 1963. 90 p.

Magnetic properties of transformer steel with cube grain-oriented structure. G. N. Kadykova, V. V. Sosnin. Elektrichestvo no. 3:80-83 Mr '63.

Magnetizing action of even harmonics in three-phase choke networks. M. N. Gubanov. Elektrichestvo no. 3: 85-88 Mr '63.

New composite control transformer with saturable reactor. V. A. Andreev. Trudy GPI 16 no. 5:100-101 '60.

New designs of transformers with shunt excitation regulation. A. M. Bamdas and others. Trudy GPI 16 no. 5: 34-43 '60.

Protecting power transformers by the PSN-35 fuses. M. Khoyrev. Tekhn. v sel'khoz. 23 no. 1:47 Ja '63.

Selecting the transformers for autonomous units. IU. M. Mikheev. Zhef. dor. transp. 45 no. 4:50 Ap '63.

ELECTRIC UTILITIES—RATES

Computation of service charges presented to consumers receiving electric power from local substations. F. I. Gorin. Prom. energ. 17 no. 8:51-52 Ag '62.

ELECTRIC WELDING

Automatic machine for making flexible joints. A. A. Azhorskii. Mashinostroitel' no. 3:17 Mr '63.

Chekanov, A. A. [Low-temperature welding] Svarka pri nizkikh temperaturakh. Izd. 2. perer. Moskva, Mashgiz, 1962. 191 p.

Grekhol'skii, N. F. [Reconditioning parts of machines and mechanisms by welding and building up] Vostanovlenie detalей mashin i mekhanizmov svarkoi i naplavkoi. Moskva, Mashgiz, 1962. 274 p.

I strive for high-strength welded elements. A. T. Studentsova. Transp. etrol. 13 no. 3:36-37 Mr '63.

Increasing of plastic deformation zones in T-joint elements during the automatic welding of a second corner joint. V. I. Tereshchenko, A. A. Zabud'ko. Avtom. svar. 16 no. 4:50-54 Ap '63.

Magnetic control in gas-arc welding with a consumable electrode. IU. A. Deminskii, V. I. Dlatlov. Avtom. svar. 16 no. 4:82-83 Ap '63.

Possibility of renouncing the normalizing of structures made by means of electric slag welding. IU. A. Sterenbogen, A. M. Makara. Avtom. svar. 16 no. 2:10-18 F '63.

Promote building-up by the weaving-arc method for reconditioning worn-out parts. B. E. Galinkin, I. E. Kuris. Mashinostroitel' no. 3:20-21 Mr '63.

Reconditioning C-100 crawler tractor links by electric arc build-up welding. S. L. Milchenko, I. V. Zhuravlev, E. B. Altsberg. Avtom. svar. 16 no. 3:65-69 Mr '63.

Sapiro, L. S. [Welding in a water vapor atmosphere] Svarka v srede vodnogo para. Moskva, Mashgiz, 1963. 93 p.

Two-pulse spot welding of tempered and cold-hardened steels. E. I. Bulatov. Mashinostroitel' no. 3:30-31 Mr '63.

ELECTRIC WELDING (Continued)

Use of slag crusts of AN-20 and AN-348A fluxes. A.V. Bystrov, A.P. Shalimov, A.K. Krasulina. *Avtom. svar.* 16 no. 3:93 Mr '63.

Using television for observations of the welding process. O.D. Bychkov. *Avtom. svar.* 16 no. 2:58-64 F '63.

ELECTRIC WELDING—EQUIPMENT AND SUPPLIES (see also subdivision under France)

Automatic machine for welding girth joints in carbon dioxide. A.M. Khimich, V.P. Chistik. *Avtom. svar.* 16 no. 4:65-66 Ap '63.

Classification of apparatuses for electric arc and electric slag welding and hard facing. A.I. Chvertko, M.G. Bel'for, V.E. Paton. *Avtom. svar.* 16 no. 2:52-57 F '63.

Electric slag welding of reinforcement rods with fixed equipment in the plant and with portable equipment during assembly operations. I.A. Degtiarev. *Avtom. svar.* 16 no. 4:55-62 Ap '63.

Experience in the mechanized build-up welding of metal-lurgical equipment parts. B.I. Baskin, I.A. Ulin. *Avtom. svar.* 16 no. 4:67-70 Ap '63.

Experiments on electron beam welding in vacuum $1 \cdot 10^{-1}$ to $1 \cdot 10^{-2}$ mm rt. at. O.K. Nazarenko, A.G. Povod, N.N. Leon'ev. *Avtom. svar.* 16 no. 3:88-89 Mr '63.

Gas-electric welding with simultaneous feeding of two arcs from a PSG-500 transformer. A.S. Fat'kevich, I.U. Marchenko. *Avtom. svar.* 16 no. 2:74-76 F '63.

Graphic analysis of electron paths and the study of magnetic lenses of electron welding guns. L.P. Strekal', O.K. Nazarenko. *Avtom. svar.* 16 no. 4:7-11 Ap '63.

New automatic ASG-NTI welding sets with follower system. B.Kh. Voskan'ian, V.M. Elagin. *Avtom. svar.* 16 no. 2:65-67 F '63.

Re-equipment of the TS-17M tractor for welding in closed vessels. E.N. Starichenko. *Avtom. svar.* 16 no. 3: 87 Mr '63.

ELECTRIC WIRE

Determination of economic wire and cable sizes taking into account the time factor. L.M. Zel'isburg. *Trudy GPI* 16 no. 5:88-97 '60.

High-frequency heat-resistant winding wires. Zh. Mirzabekian. *Prom. Arm.* 6 no. 1:36-39 Ja '63.

ELECTRIC WIRING, INTERIOR

Methods for installing concealed wiring beneath the plaster in flat boxes. G.B. Dvoirin. *Svetotekhnika* 9 no. 2:25 F '63.

ELECTRICIANS—EDUCATION AND TRAINING

Borodulin, I.P. [Industrial training of mechanics for the repair of electrical equipment and underframes of diesel locomotives in professional technical schools] *Proizvodstvennoe obucheniye slesarey po remontu elektromotornogo i ekipazhnoi chasti teplovozov v professional'no-tekhnicheskikh uchilishchakh; metodicheskoe posobie.* Moskva, Proftekhizdat, 1962. 132 p.

Durasevich, I.U. E. [Training of rural electricians] *Podgotovka sel'skogo elektromontera; iz opyta shkoly pamiat' V.I. Lenina v Goriakhi Leninskikh.* Pod red. K.A. Ivanovicha. Moskva, Uchpedgiz, 1962. 135 p.

ELECTRICITY—PHYSIOLOGICAL EFFECT

Temperature as unconditioned stimulus in the study of galvanic skin reactions caused by conditioned reflexes. Jan Strelau. *Vop. psikh.* 9 no. 2:158-160 Mr-Apr '63.

ELECTRICITY, INJURIES FROM (see subdivision under Austria)

ELECTRICITY IN AGRICULTURE

(see also subdivision under Uzbekistan)

Goncharov, A.D. [Promoter of progress; electricity in agriculture] *Dvigatel' progressa; elektrichestvo v sel'skom khoziaistve.* Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriya: Ekonomika, no. 6)

ELECTRICITY IN LUMBERING

Koroviakovskii, I.G., and others. [Electric power supply of lumbering enterprises] *Elektrosnabzhenie lesozagotovitel'nykh predpriyatii.* Pod obshech. red. I.G. Koroviakovskogo. Moskva, Goslesbumizdat, 1962. 171 p.

ELECTRICITY IN LUMBERING—BIBLIOGRAPHY (see Bibliography—Electricity in lumbering)

ELECTRICITY IN LUMBERING—HANDBOOKS, MANUALS, ETC.

Ermolinskii, F.D. [Manual for electricians working in lumbering] *Posobie dlia elektromekhanikov lesozagotovok.* Moskva, Goslesbumizdat, 1962. 286 p.

ELECTRICITY IN MINING

Concerning A.S. Sergeev's article "Nomograms for calculating an electric cable network in a mine section." P.L. Svetlichnyi, V.V. Glushko. *Prom. energ.* 18 no. 4:48-50 Ap '63.

Operation of low-voltage networks in mine sections. B.G. Men'shov, V.I. Shchutskii. *Bezop. truda v prom.* 7 no. 4:21-22 Ap '63.

Protection of the insulation of electrical networks in mines. V.V. Glushko and others. *Prom. energ.* 18 no. 1:13-17 Ja '63.

ELECTRICITY IN MINING—SAFETY MEASURES

Size of settings for current-leakage prevention. V.I. Shchutskii. *Bezop. truda v prom.* 6 no. 9:24-25 S '62.

Supply of power to overhead lighting networks and electric equipment in mines from one transformer unit. P. Dakhnevich. *Prom. energ.* 18 no. 4:51 Ap '63.

ELECTRICITY ON SHIPS

Bogdanova, A.A., N.O. Doroshkevich, and Kh.E. Zlochevskina. [English language for marine electricians] *Angliskii jazyk dlia sudovykh elektromekhanikov.* Moskva, Izd-vo "Morskoi transport," 1962. 167 p. [MICROFILM]

Marine electric power station of a line icebreaker with a self-excitation system. A.B. Khaikin, V.A. Chirkov. *Sudostroenie* 29 no. 4:35-39 Ap '63.

Modernizing the electrical equipment of "Rodina"-type ships. E. Kulibakko. *Rech. transp.* 22 no. 4:21-23 Ap '63.

ELECTRICITY ON SHIPS—BIBLIOGRAPHY (see Bibliography—Electricity on ships)

ELECTRIFICATION

Dyn'ko, F.M. [Il'ich dreamed about this] *Pro tse mriav Il'ich.* Kyiv, Vyd-vo "Molod'," 1962. 80 p.

Electrification is the pivot of building a communist society's economy. E.D. Valivach. *Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Polit. ekon.* no. 5:31-44 '62.

Increase in the frequency of commercial a.c. and determination of its optimum value for future electrification of the U.S.S.R. V.S. Kulebakin, V.A. Venkov. *Elektrichestvo* no. 3:9-14 Mr '63.

Satisfy everyday needs with electric power. L.M. Shvarts. *St. rol. i arkh. Len.* 24 no. 12:32 D '62.

Toward new accomplishments in the development of power engineering. *Elektrichestvo* no. 3:1-4 Mr '63.

ELECTROACOUSTICS

Correlation method for suppressing fluctuation noise in a piezoelectric instrument microphone. A.N. Shishmolin, V.I. Solov'ev. *Trudy inst. Kom. stand., mer. i izm. prib.* no. 61:42-44 '62.

Increase in the accuracy of calibrating microphones at low frequencies. A.N. Krištalevich. *Trudy inst. Kom. stand., mer. i izm. prib.* no. 61:28-38 '62.

A measuring microphone with sensitive lithium sulfate elements. N.A. Kaluzhina. *Trudy inst. Kom. stand., i izm. prib.* no. 61:37-41 '62.

Reproduction and storage of acoustical pressure units. N.A. Kaluzhina. *Trudy inst. Kom. stand., mer. i izm. prib.* no. 61:23-28 '62.

ELECTROCARDIOGRAPHY

Effect of a necrotized tissue on the conduction of excitation in the vagus nerve. G.E. Samonina. *Nauch. dokl. vuz. shkoly; biol. nauki* no. 2:69-71 '63.

Effect of cranio-cerebral hypothermia on the change in the electrocardiogram during intensified monopolar derivation from limbs. A.M. Malygin. *Nauch. dokl. vuz. shkoly; biol. nauki* no. 2:77-82 '63.

Electrocardiographic examinations in postinfluenza pneumonia [with summary in English]. V.M. Plotnev. *Vrach. delo* no. 3:94-97 Mr '63.

Intracellular stimulation of different parts of a frog's heart. I.M. Gelfand, S.A. Kovalev, L.M. Chaliakhian. *Dokl. AN SSSR* 148 no. 4:973-978 F '63.

Left ventricle overstrain syndrome in healthy subjects [with summary in English]. A.G. Dembo and others. *Kardiologiya* 2 no. 3:70-77 My-Je '62.

Pseudoinfarction changes in the electrocardiogram following surgical treatment of cardiac aneurysm; experimental data. I.S. Kun, I.Z. Kozlov. *Kardiologiya* 2 no. 3:51-57 My-Je '62.

ELECTROCHEMISTRY

Depolarizing effect of ultrasound as dependent on the pH of the solution. A.I. Riazanov, B.B. Kudriavtsev. *Prim. ul'trakust. k issl. veshch.* no. 16:13-24 '62.

Effect of ultrasonic vibrations on the anodic dissolution of bismuth in hydrochloric acid solutions. A.I. Riazanov, G.D. Chigrinova. *Prim. ul'trakust. k issl. veshch.* no. 16:39-46 '62.

ELECTRODES

Behavior of a membrane ion exchanger electrode in solutions of hydrofluoric acid and its salts [with summary in English]. A.V. Gordievskii, E.L. Filippov, G.I. Kupriunin. *Zhur. anal. khim.* 18 no. 1:13-19 Ja '63.

Effect of thermal conductivity and polarity of an electrode on particle distribution in an a.c. arc. R.M. Iaroslavskala, Q.E. Zolotukhin. *Trudy Kras. SKhI* 3 no. 1:322-329 '63.

Efficiency of porous electrodes under diffusion conditions of reagent supply [with summary in English]. I.G. Gurevich, V.S. Bagotskii. *Inzh.-fiz. zhur.* 6 no. 3:69-80 Mr '63.

Temperature field in the cooled electrode of a fixed-arc electric heater [with summary in English]. V.I. Krylovich. *Inzh.-fiz. zhur.* 6 no. 3:81-85 Mr '63.

ELECTRODES, COPPER

Improving the quality of cathode copper. I.E. Fel'dman, N.A. Katerova. *Standartizatsia* 27 no. 4:31-34 Ap '63.

ELECTRODES, PLATINUM

Effect of ultrasound on the potential of cathodic hydrogen evolution on activated smooth platinum. F.I. Kukoz. *Prim. ul'trakust. k issl. veshch.* no. 16:47-60 '62.

ELECTROENCEPHALOGRAPHY

Changes in the bioelectric activity of the brain in hypertension patients under the influence of a single treatment of inhaling light aerolons. G.G. Efremushkin. *Trudy inst. kraev. pat. AN Kazakh. S.S.R.* 11:163-174 '62.

Characteristics of primary cortical reactions to the electrical excitation of mesencephalic nerves. S.S. Mustashchikova. *Dokl. AN SSSR* 148 no. 4:970-981 F '63.

Effect of artificially ionized air together with other health resort factors of the Turkait Sanatorium on the electric activity of the brain in hypertension patients. G.G. Efremushkin. *Trudy inst. kraev. pat. AN Kazakh. S.S.R.* 11:161-167 '62.

Graphic method for the periodic analysis of the measurement and evaluation of encephalograms. E.IA. Votinskii and others. *Vop. psikh.* 9 no. 2:152-157 Mr-Apr '63.

N'ina, L.I., and E.V. Kukolevskaya. [Electroencephalography of athletes] *Elektroencefalografiya sportsemov.* Moskva, Medgiz, 1962. 127 p. (DNLM)

Mechanisms of the response of reorganization of the rhythm of the electroencephalogram. Report No. 1; Nature of the response to a high-frequency light stimulation. A.IA. Supin. *Nauch. dokl. vuz. shkoly; biol. nauki* no. 2:94-100 '63.

Some neurodynamic changes under the influence of small doses of alcohol in chronic alcoholism. R.E. Galt'perina. *Probl. aud. psikh.* no. 12:131-138 '62.

Some problems of the interrelationship between the electric activity of the brain and muscles in man. V.G. Zhukov, A.N. Mineeva. *Nauch. dokl. vuz. shkoly; biol. nauki* no. 2:83-86 '63.

ELECTROHYDRAULIC EFFECT

Electrohydraulic effect in operation. V. Barakii, B. Fomin. *IUn. tekhn.* 7 no. 4:44-48 Ap '63.

Pollak, S.M. [Methods of sheet-metal forming without power presses] *Bespressovoye metody formirovaniia listovyykh detalей; obzor.* Moskva, TEINTIMASH, 1961. 33 p.

Using the electrohydraulic effect in pressure metalworking processes. I.U. S. Radiuchenko. *Kuz.-shtan. protv.* 5 no. 3:25-28 Mr '63.

ELECTROLYSIS

Kinetics of anodic and chemical reactions in Kolbe electrolysis. M.IA. Floshin, I.U. B. Vasil'ev. *Izv. AN SSSR, Otd. khim. nauk* no. 3:437-448 Mr '63.

ELECTROLYSIS—EXPERIMENTS

Demonstration of the first law of Faraday. Azer Abalzade. *Fiz. v shkole* 23 no. 1:55 Ja-F '63.

ELECTROLYTE SOLUTIONS

Determination of the points of zero charge by the method of crossed polarized metallic threads. T.N. Veropaea. B.N. Deriagin, V.N. Kabanov. *Izv. AN SSSR, Otd. khim. nauk* no. 2:257-263 F '63.

Effect of the ionic strength of an electrolyte solution on the properties of carboxyl cation exchangers. Z.B. Tabidze and others. *Plast. massy* no. 3:33-36 '63.

ELECTROLYTES

Problem concerning the mechanism of the transition of electrolytes dissolved in boiler feed water to high-pressure water vapor. I.Kh. Khalilullin, N.M. Borisev. *Teploenergetika* 10 no. 3:12-16 Mr '63.

ELECTROLYTIC REDUCTION (see Reduction, Electrolytic)

ELECTROMAGNETIC FIELDS

Unsteady radiation from thin linear vibrators. V.N. Krasil'nikov. *Probl. dif. i raspr. voln* 2:111-131 '62.

ELECTROMAGNETIC PROSPECTING (see subdivision under Arctic regions; West Siberian Plain; Yenisey Valley)

ELECTROMAGNETIC THEORY

From the history of the development in Russia of the electromagnetic theory of light (works of D.A. Gol'dammer). E.A. Vobras. *Nauch. trudy Tul. gor. inst.* no. 3:180-183 '61.

ELECTROMAGNETIC WAVES

Effect of surface obstructions on the propagation of radio waves. E.M. Ginninen and others. *Probl. dif. i raspr. voln* 2:106-211 '62.

Field of a point source in an infinite ionized layer. G.I. Makarov. *Probl. dif. i raspr. voln* 2:81-101 '62.

Horizontal magnetic dipole between two discs. E.A. Ivanov, Zhur. vych. mat. i mat. fiz. 3 no. 2:388-397 Mr-Apr '63.

ELECTROMAGNETIC WAVES (Continued)

- Nonlinear effects in the electrodynamics of a transparent medium [with summary in English]. V. I. Karpman, Zhur. eksp. i teor. fiz. 44 no. 4:1307-1316 Ap '63.
- Optimum use of time-spatial signals. A. A. Kuriksha, Radiotekh. i elektron. 8 no. 4:552-563 Ap '63.
- Propagation of an electromagnetic pulse over the earth's surface. E. M. Glunin and others. Probl. dif. i raspr. voln 2:132-143 '62.
- Propagation of an electromagnetic pulse over a plane nonuniform track. P. N. Vorontsov-Vel'aminov, V. V. Novikov, Probl. dif. i raspr. voln 2:150-165 '62.
- Propagation of plane electromagnetic waves above the earth in the presence of horizontal reradiating lines. I. A. Erukhimovich, Radiotekhnika 18 no. 2:15-26 F '63.
- Review of papers on the propagation of pulse electromagnetic signals in conducting media over the earth's surface. V. V. Novikov, Probl. dif. i raspr. voln 2: 7-38 '62.
- Stationary distribution of the ion concentration of a positive column plasma in an external nonhomogeneous high-frequency field. K. S. Golovanivskii, A. A. Kuzovnikov, Radiotekh. i elektron. 8 no. 4:622-629 Ap '63.
- Verification of the method for calculating the propagation of electromagnetic oscillations in irregular wave guides. A. G. Sveshnikov, Zhur. vych. mat. i mat. fiz. 3 no. 2:314-326 Mr-Apr '63.

ELECTROMAGNETIC WAVES—DIFFRACTION

- Diffraction of a plane electromagnetic wave by a system consisting of plane metal strips. V. G. Iampolskii, Radiotekh. i elektron. 8 no. 4:564-576 Ap '63.

ELECTROMAGNETIC WAVES—SCATTERING

- Scattering of a plane electromagnetic wave on two spheres. O. A. Gernogenova, Izv. AN SSSR, Ser. geofiz. no. 4:648-653 Ap '63.

ELECTROMAGNETS

- Arrangement of magnet units along the accelerator ring. L. L. Gol'din, A. G. Stadnikov, Prib. i tekhn. eksp. 7 no. 4:190-202 Jl-Ag '62.
- Design of the electromagnet of the 7 bev. proton synchrotron. N. S. Strel'tsov and others. Prib. i tekhn. eksp. 7 no. 4:15-19 Jl-Ag '62.
- Effect of the parasitic parameters of the electromagnet in a proton synchrotron on the asymmetry of a magnetic field and methods for its compensation. N. A. Monoszon, A. M. Stolov, F. M. Spivakova, Prib. i tekhn. eksp. 7 no. 4:168-171 Jl-Ag '62.
- Effect of variations in the power supply system of a proton synchrotron on the magnetic characteristics of its units. V. V. Sokolovskii and others. Prib. i tekhn. eksp. 7 no. 4:240-244 Jl-Ag '62.
- "Electromagnetic metal mixing in steel smelting arc furnaces" by N. V. Okorokov. Reviewed by M. G. Rezin and others. Elektricheskoe no. 3:95-96 Mr '63.
- Factory stand testing of electromagnet elements of a proton synchrotron. A. G. Alekseev and others. Prib. i tekhn. eksp. 7 no. 4:172-178 Jl-Ag '62.
- Fine adjustment of magnets in a proton synchrotron. S. V. Merfenko, A. K. Pavlov, N. I. Porubai, Prib. i tekhn. eksp. 7 no. 4:55-65 Jl-Ag '62.
- Main parameters of the electromagnet of the 7 bev. synchrotron. N. A. Monoszon, N. S. Strel'tsov, N. A. Ostrovskii, Prib. i tekhn. eksp. 7 no. 4:10-15 Jl-Ag '62.
- Measuring the coupling stability between the dynamic field components of the main and measuring electromagnets in the 7 bev. proton synchrotron. V. A. Uvarov, Prib. i tekhn. eksp. 7 no. 4:131-133 Jl-Ag '62.
- Power supply of the electromagnet of the 7 bev. proton synchrotron. N. A. Monoszon and others. Prib. i tekhn. eksp. 7 no. 4:27-33 Jl-Ag '62.
- Universal laboratory electromagnet. A. L. Bil'dukovich, Prib. i tekhn. eksp. 8 no. 2:133-138 Mr-Apr '63.
- Use of electromagnets in harbors; practices in foreign countries. A. Kazakov, Rech. transp. 22 no. 4:45-46 Ap '63.
- Variation in the magnetic field in the S-magnet of a proton synchrotron after completion of a cycle. V. N. Luzin, I. A. Radkevich, V. V. Sokolovskii, Prib. i tekhn. eksp. 7 no. 4:186-190 Jl-Ag '62.

ELECTROMECHANICAL ANALOGIES

- Relationship between physical modeling and the theory of similitude with mathematical modeling and computer technology. V. A. Venikov, Trudy MIIT no. 130:20-31 '61.

ELECTROMETALLURGY

- (see also subdivision under United States)
- Electrolytic precipitation. A. T. Vagramian, Z. A. Solov'eva, Nauka i zhizn' 30 no. 1:16-21 Ja '63.
- Krivoruchenko, V. V., and M. A. Korobov. [Heat and power balance of aluminum and magnesium electrolyzers] Teplovye i energeticheskie balansy aluminiyevykh i magniyevykh elektrolizirov. Moskva, Metallurgizdat, 1963. 319 p.

ELECTROMOTIVE FORCE

- Determination of the points of zero charge by the method of crossed polarized metallic threads. T. N. Voropaeva, B. V. Derlagin, B. N. Kabanov, Izv. AN SSSR, Otd. khim. nauk no. 2:257-263 F '63.

ELECTRON BEAMS

- Calculation of waves in electron beams with a high density space charge. A. D. Vlasov, Radiotekh. i elektron. 8 no. 4:718-720 Ap '63.
- Electron beam radial heaters for metal melting in vacuum. B. A. Movchan, A. V. Zlotin, Avtom. svar. 16 no. 3:1-6 Mr '63.
- Energy distribution of current carriers in semiconductors in the presence of fast electron sources. I. U. M. Popov, Fiz. tver. tela 5 no. 4:1170-1174 Ap '63.
- Experiments on electron beam welding in vacuum $1 \cdot 10^{-1}$ to $1 \cdot 10^{-2}$ mm rt. st. O. K. Nazarenko, A. G. Povod, N. N. Leont'ev, Avtom. svar. 16 no. 3:88-89 Mr '63.
- Graphic analysis of electron paths and the study of magnetic lenses of electron welding guns. L. P. Strel'ka, O. K. Nazarenko, Avtom. svar. 16 no. 4:7-11 Ap '63.
- Laboratory equipment for the electron-beam melting of metals. B. A. Movchan, A. I. Tikhonovskii, Avtom. svar. 16 no. 4:1-8 Ap '63.
- Stabilizer of the heating power generated by electron bombardment. O. P. Fedorov, L. S. Starostina, Prib. i tekhn. eksp. 8 no. 2:156-159 Mr-Apr '63.

ELECTRON DIFFRACTION EXAMINATION

- Effect of the elongated form of crystals on the intensity of reflexes in electron diffraction pictures of laminated textures. B. B. Zviagin, Kristallografiya 7 no. 6:958-959 N-D '62.
- Electron diffraction study of the amorphous structure of the compounds Ga, In and Sb with Se and Te. A. I. Andrievskii, I. D. Nabikov, I. A. V. Voloshchuk, Kristallografiya 7 no. 6:865-872 N-D '62.
- Electron diffraction study of the structure of cementite. A. I. Gardin, Kristallografiya 7 no. 6:854-861 N-D '62.

ELECTRON GAS—ELECTRIC PROPERTIES

- Study of the arc quenching properties of freon and electron gas. V. N. Borisov, D. S. Aleksandrov, V. V. Mezhuva, Elektroenergetika no. 6:129-136 '62.
- Study of the quenching of an electric arc in an electron gas. V. N. Borisov, D. S. Aleksandrov, V. V. Mezhuva, Elektroenergetika no. 6:137-152 '62.

ELECTRON MICROSCOPE

- Appliance to prevent contamination of specimens in a UEMV-100 electron microscope. P. A. Stolanov, N. M. Moseeva, Prib. i tekhn. eksp. 8 no. 2:146-150 Mr-Apr '63.
- Study of injuries caused by electrons to objects under electron microscope examination. I. G. Stoinova, T. P. Morozova, Dokl. AN SSSR 148 no. 4:810-813 F '63.
- Using an electron microscope to study lime suspensions. G. I. Knigina, Izv. vys. ucheb. zav. zashch. i arkhiv. 6 no. 3:131-137 '63.
- What you can't see with a naked eye. Gyorgyne Kulit, Nauka i zhizn' 12 no. 2:55 F '63.

ELECTRON OPTICS

- Bicylindrical objective for time-base scanning of the spectrum by means of an electron-optical light amplifier. G. E. Smolkin, A. V. Titov, Prib. i tekhn. eksp. 8 no. 2:120-133 Mr-Apr '63.
- Curvature of image and astigmatism in electrostatic emission systems. G. V. Der-Shvarts, Radiotekh. i elektron. 8 no. 4:720-722 Ap '63.

ELECTRON-TUBE OSCILLATORS see Oscillators, Electron-tube

ELECTRON-TUBE VOLTMETER

- Electronic voltmeter with a triode inverted according to a bridge circuit. L. A. Rakhmanov, Izv. tekhn. no. 8: 50-60 Ag '62.

ELECTRON TUBES

- Deviatkov, N. D., and A. A. Peresleni. [Industrial electric vacuum technology] Tekhnologiya elektrovakuumnogo proizvodstva. Red. ass. N. M. Il'vovskaya, Moskva, Mosenergeticheskii in-t. Pt. 3, no. 1, 1962. 48 p.

[MICROFILM]

- Kaufman, M. S., A. A. Kuznetsova, and I. A. Khrunichev. [Manufacture of spirals, grids, and leads of electronic vacuum devices] Proizvodstvo spiralei, setok i vvodov elektrovakuumnykh priborov. Moskva, Gosenergoizdat, 1962. 262 p.

- Mechanotrons. D. Leonov, Izobr. i rats. no. 3:8-9 '63.
- Oscillation phenomena in a diode filled with cesium vapor. S. M. Levitskii, I. N. Groshev, Radiotekh. i elektron. 8 no. 4:612-618 Ap '63.

- Power vacuum arc-arresting chamber. I. A. Lukatskaya and others. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 3:48-50 '63.
- Spectrophotometric study of the radiation energy distribution in IFK-2000 and IFK-20000 pulsed tubes. V. M. Podgaetskii, A. N. Chernets, Opt. i spekt. 14 no. 3: 424-426 Mr '63.

ELECTRONIC ANALOG COMPUTERS

- Approximate differentiation of the "frequency-pulse information." R. G. Karpov, Izv. vys. ucheb. zav.; Prib. 6 no. 2:30-36 '63.

- Calculation of the operation of a regulating hydroelectric power station. L. N. Zhgenti, A. I. A. Montava, Trudy Inst. energ. AN Gruz. SSR 16:55-62 '62.

- Kogan, B. I. A. [Electronic analog computers and their use in the study of automatic control systems] Elektronnye modeliruyushchie ustroystva i ikh primeneniye dlia issledovaniya sistem avtomaticheskogo regulirovaniya. Izd. 2., ispr. i dop. Moskva, Fizmatgiz, 1963. 510 p.

- Moscow. Vsesoluznyi zaocnyy energeticheskii institut. Kafedra avtomaticheskogo kontrolia i regulirovaniya. [Manual for the course on computer equipment and apparatus; electronic analog computers] Uchebnoe posobie po kursu: Schetno reshayushchie pribory i ustroystva; elektronnye modeliruyushchie ustroystva. Moskva, 1962. 75 p.

[MICROFILM]

- Reversible quasianalog models, their theory and some applications. G. E. Pukhov, Izv. vya. ucheb. zav.; elektromekh. 6 no. 2:158-173 '63.

- Selecting optima parameters for shaking conveyors with the help of an electron model. E. A. Agronovskaya, I. I. Blekman, Obog. rud 7 no. 5:40-44 '62.
- Standardized operational amplifiers. I. A. I. Grinda, L. I. Dlatlov, Priborostroenie no. 4:18-20 Ap '63.

ELECTRONIC APPARATUS AND APPLIANCES

- Apparatus for recording pulses from a large number of ionization chambers. V. I. Sokol'nikov, B. V. Subbotin, V. I. Iakovlev, Prib. i tekhn. eksp. 8 no. 2:86-89 Mr-Apr '63.
- Concerning the reliability of aging elements [with summary in English]. V. B. Gogolevskii, Avtom. i telem. 24 no. 3:383-392 Mr '63.
- Deviatkov, N. D., and A. A. Peresleni. [Industrial electric vacuum technology] Tekhnologiya elektrovakuumnogo proizvodstva. Red. ass. N. M. Il'vovskaya, Moskva, Mosenergeticheskii in-t. Pt. 3, no. 1, 1962. 48 p.

[MICROFILM]

- Electronic voltage stabilizer. S. A. Iur'ev, Prib. i tekhn. eksp. 8 no. 2:113-115 Mr-Apr '63.
- Increasing the stability of an electronic timer. A. M. Berezin, P. M. Valaburd, Prib. i tekhn. eksp. 8 no. 2: 105-106 Mr-Apr '63.
- Modulus or micromodulus? D. L. Gendeleev, S. I. A. Kabak, S. M. Shildkrut, Priborostroenie no. 4:20-21 Ap '63.
- Multichannel precision digital systems for measuring magnetic field strength and time. A. A. Vasil'ev and others. Prib. i tekhn. eksp. 7 no. 4:84-89 Jl-Ag '62.
- Multiposition switchboards with annular trochons. A. P. Lozhnikov, A. M. Kharchenko, Priborostroenie no. 4:11-13 Ap '63.
- Pollakov, K. P. [Equipment frameworks of radio-electronic apparatus] Pribornye korpusa Radioelektronnoi apparatury. Moskva, Gosenergoizdat, 1963. 187 p.
- Portable apparatus with pulse transformers for producing short X-ray flashes. K. F. Zelenitskii, I. A. Troshkin, V. A. Tsukerman, Prib. i tekhn. eksp. 8 no. 2:140-144 Mr-Apr '63.
- Time analyzer. V. V. Okorokov, D. L. Tolchenkov, Prib. i tekhn. eksp. 8 no. 2:70-80 Mr-Apr '63.
- Twelve-channel pulse height analyzer. B. Maly, V. S. Pantuov, M. N. Klachaturian, Prib. i tekhn. eksp. 8 no. 2:73-75 Mr-Apr '63.

ELECTRONIC APPARATUS AND APPLIANCES—ABSTRACTS

- [Electronics and its applications] Ref. zhur.: Elek. i ee prim. no. 5 My '63.

ELECTRONIC APPARATUS AND APPLIANCES—BIBLIOGRAPHY see Bibliography—Electronic apparatus and appliances

ELECTRONIC APPARATUS AND APPLIANCES—PATENTS

- Certificates of invention. Elektrosvaz' 17 no. 3:73-74 Mr '63.
- Certificates of invention. Elektrosvaz' 17 no. 4:73-74 Ap '63.
- Foreign patents. Elektrosvaz' 17 no. 3:75-76 Mr '63.
- Foreign patents. Elektrosvaz' 17 no. 4:75-76 Ap '63.

ELECTRONIC APPARATUS AND APPLIANCES—QUALITY CONTROL

- Errors of reliability predictions based on the statistical relationship between the failure of elements. I. U. G. Poliak, Elektrosvaz' 17 no. 4:3-8 Ap '63.

ELECTRONIC CIRCUITS

- Radio electronic systems of the 7 bev. proton synchrotron. S. M. Rubchinskii and others. Prib. i tekhn. eksp. 7 no. 4:20-26 Jl-Ag '63.

ELECTRONIC COMPUTERS

- (see also subdivision under United States)
- Akademiya nauk USSR, Kiev. Institut kibernetiki. [Computer mathematics and engineering] Vychislitel'naya matematika i mekhanika; trudy aspirantov Instituta kibernetiki AN USSR, Kiev, Izd-vo Akad. nauk USSR, 1962. 177 p.

[MICROFILM]

ELECTRONIC COMPUTERS (Continued)

- Berman, V. L.** [Factory of "intelligent" machines] Zavod "umnykh" mashin. [Riazan'] Riazanskoe knizhnoe izd-vo, 1982. 79 p.
(NIC)
- Calculation of a continuous multicomponent rectification on a large electronic computer. V. V. Popov, B. S. Sverchinskii. Khim. i tekhn. topl. i masel 8 no. 3:47-54 Mr '63.
- A certain method for solving a linear programming problem using an electronic computer [with summary in English]. L. M. Osovskii. Avtom. i telemek. 24 no. 3: 361-369 Mr '63.
- Fantastic machines. G. S. Pospelov. Sov. voen. 45 no. 3: 37 F '63.
- Interesting facts. Ukraina no. 4:8 F '63.
- International Federation of Automatic Control, Congress, Moscow, 1981.** [Statistical methods of research; theory of structures, modeling, terminology, and organization] Statisticheskie metody issledovaniia; teoriia struktur, modelirovaniia, terminologiya, obrazovanie. Moskva, Izd-vo Akad. nauk SSSR, 1981. 744 p. (PPIU)
- A machine computes the volume of earthwork. K. A. Khavkin, A. F. Sokoluk, I. M. Gal'perin. Avt. dor. 26 no. 4:21-22 Ap '63.
- Mathematical basing of the selection of the number of quantization regions in analogue-discrete converters [with summary in English]. M. I. Lanin, S. M. Mandel'shtam, V. V. Sidel'nikov. Avtom. i telemek. 24 no. 4:573-578 Ap '63.
- Pospelov, D. A.** [Arithmetic and logical principles of digital computers] Arifmeticheskie i logicheskie osnovy vychislitel'nykh mashin diskretnogo del'stviia. Moskva, Mosk. energeticheskii in-t.
- Pt. 2. [Functions of the algebra of logic, synthesis and analysis of networks with time independent operation] Funktsii algebrы logiki, sintez i analiz skhem, rabota kotorykh ne zavisiat ot vremeni. Red. A. G. Shigin. 1981. 107 p.
- Pt. 3. [Time dependent and recurrent Boolean functions, analysis and synthesis of networks with time dependent operation] Vremennyye i rekurentnye bulevы funktsii, analiz i sintez skhem, rabota kotorykh zavisiat ot vremeni. Red. A. G. Shigin. 1981. 79 p.
- [MICROFILM]
- Relationship between physical modeling and the theory of similitude with mathematical modeling and computer technology. V. A. Venikov. Trudy MFT no. 139:20-31 '61.
- Research institute's address is the industrial plant. Mykhailo Halushko. Ukraina no. 4:2 F '63.
- Seismic forces and deformations in the process of earthquakes calculated by means of electronic computers. B. B. Begiev. Blul. Sov. po seism., no. 14:114-121 '63.
- Slivak, V. S.** [Military applications of electronic computers] Voennoe primeneniie elektronnykh vychislitel'nykh mashin. Moskva, Voenizdat, 1982. 166 p.
- Stability and useful time of a machine. A. L. Brudno. Probl. kib. no. 8:243-252 '62.
- Study of an inductive parametron [with summary in English]. I. U. Efimov. Avtom. i telemek. 24 no. 4:503-572 Ap '63.
- Ten hours instead of one year. D. Kan. Ukraina no. 4: 12 F '63.
- Use of electronic calculating machines in the national economy. M. Khamzin. Koop. Kazakh, 5 no. 11:62-63 N '62.
- Using computers for determining seismic loads based on accelerograms of severe earthquakes. E. E. Khachilan. Blul. Sov. po seism., no. 14:94-113 '63.
- Using electronic computers in traction calculations for determining the time of train movements in the runs between stops. A. Gorbets, V. Gorobets, T. Timofeev. Izv. AN Latv. SSR no. 2:18-25 '63.
- Using modern computing systems in designing hydraulic developments. L. V. Dunin-Barkovskii. Gidr. i mel. 16 no. 3:48-52 Mr '63.
- Volkov, O. M., and L. L. Prikhod'ko.** [Fire prevention measures in the operation of electronic calculating machines] Pozharnaya profilaktika pri ekspluatatsii elektronnykh vychislitel'nykh mashin. Moskva, Izd-vo M-vo kommun. khoz. RSFSR, 1982. 60 p.
- Vsesoyuznaya konferentsiya-seminar po teorii i metodam matematicheskogo modelirovaniia.** 2d. Moscow, 1981. [Combined (analogue - digital) computers] Kombinirovannyye vychislitel'nye mashiny; trudy. Moskva, Izd-vo Akad. nauk SSSR, 1982. 294 p.

[MICROFILM]

ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur. i Avtom. i telemek. i vych. tekhn. no. 5 My '63.

ELECTRONIC COMPUTERS—EQUIPMENT AND SUPPLIES

Chervinskii, M. M. [Ferroelectric and prospects for their use in computer engineering] Segnetoelektriki i perspektivy ikh primeneniia v vychislitel'noi tekhnike. Moskva, Gosenergoizdat, 1982. 134 p. (Biblioteka po avtomatike, no. 6)

ELECTRONIC COMPUTERS—MEMORY SYSTEMS

Bardizh, V. V., and V. I. Pereskatov. [Fluxor as an element of memory devices] Fluxor kak element zapominalushchikh ustroystv. Moskva, In-t tekhn. mekhaniki i vychislitel'noi tekhniki Akad. nauk SSSR, 1982. 47 p. (Elektronnye vychislitel'nye mashiny)

ELECTRONIC COMPUTERS—MODELS

Operating model of a binary adder. D. M. Komskil. Shkola i protzv. 7 no. 4:65-67 Ap '63.

ELECTRONIC CONTROL

Effect of certain minor parameters on the stability of the no. 1 standard automatic control system (internal circuit). B. G. Strazhdinov. Izv. vys. ucheb. zav. i prib. 6 no. 2:14-20 '63.

Synthesis of an automatic control system with a digital control computer. A. P. Litvinov. Izv. vys. ucheb. zav. i prib. 6 no. 2:37-46 '63.

Using ERA-1 optimizers for heating furnaces. S. N. Makarovskii, K. B. Norkin, L. N. Eitner. Priborostroenie no. 4:25-27 Ap '63.

ELECTRONIC DATA PROCESSING

Cybernetics and thinking. V. M. Glushkov. Kult. i zhizn' 6 no. 11:37-39 '62.

Electronic system for intrafactory information transmission. F. L. Nemtsev. Priborostroenie no. 4:5-8 Ap '63.

Mathematical economics methods and problems of production organization. G. Prudenskii. Vop. ekon. no. 4: 121-126 Ap '63.

Using electronic calculating machines in accounting for labor and wages abroad. V. Lukin. Sots. trud 8 no. 4: 148-150 Ap '63.

ELECTRONIC DIGITAL COMPUTERS

Calculation of the magnetic field of an a. c. machine with randomly wound stator windings using digital computers. D. E. Sinel'nikov. Izv. vys. ucheb. zav. i elektromekh. 6 no. 2:193-204 '63.

Calculation of the stability of slopes of earth structures on the "Strela" electronic computer. A. S. Denisov. Gidr. stroi. 33 no. 2:37-38 F '63.

Compiling the train dispatching plan on an electronic digital computer. L. T. Tulupov, V. A. Bulanov. Vest. TSNII MPS 22 no. 2:55-59 '63.

Problems of using electronic digital computers for planning stations and junctions. G. Z. Vertaman, K. K. Tal', L. A. Sablin. Transp. stroi. 13 no. 3:45-47 Mr '63.

Synthesis of an automatic control system with a digital control computer. A. P. Litvinov. Izv. vys. ucheb. zav. i prib. 6 no. 2:37-46 '63.

Torgov, I. U. L. [Arithmetic unit based on dynamic elements] Arifmeticheskoe ustroystvo na dinamicheskikh elementakh. Moskva, Vychislitel'nyi tsentr AN SSSR, 1983. 84 p. diagrs. (Trudy Vychislitel'nogo tsentra)

Using electronic digital computers for the automation of the processing of train information. V. A. Bulanov. Zhel. dor. transp. 45 no. 1:41-45 Ja '63.

ELECTRONIC INDUSTRIES see subdivision under Germany, West; Great Britain

ELECTRONIC INDUSTRIES—QUALITY CONTROL

Concerning the reliability of aging elements [with summary in English]. V. B. Gogolevskii. Avtom. i telemek. 24 no. 3:383-392 Mr '63.

ELECTRONIC INSTRUMENTS

New automatic-control devices. I. U. P. Chuvaev, A. I. A. Chernoiannik. Blul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. no. 3:41-43 '63.

Pickups for the recording of production output based on changes in the current in machine-tool motor circuit. R. G. Lashunskii, B. G. Bochever. Avt. prom. 28 no. 6: 3-5 Je '62.

Quick-acting secondary device based on electric-contact method. S. P. Malyshev, S. P. Protopopov. Blul. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. no. 3:43-45 '63.

Selective equilibrium indicator for a wide frequency band. D. I. Zorin, R. F. Akneev. Izv. tekhn. no. 3:38-40 Mr '63.

Vsesoyuznyi seminar po primeneniio radioaktivnykh izotopov v izmeritel'noi tekhnike i priborostroenii. Frunze(?) 1981. [Radiolotope techniques in automatic control] Radiolizotopnye metody avtomaticheskogo kontrolya; trudy rasshirenogo soveshchaniia.... Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, Vol. 2. 1982. 236 p.

ELECTRONIC INSTRUMENTS—TESTING

Effect of the phase shift of harmonic components on the measurement error of electronic phase meters. B. G. Kaduk, L. E. Stobodanikii. Izv. tekhn. no. 8:54-55 Ag '62.

ELECTRONIC MEASUREMENTS

Measurements of the frequencies of transverse oscillations of the beam in the 7 bev. proton synchrotron. V. V. Vladimirovskii and others. Prib. i tekhn. eksp. 7 no. 4:245-247 Ji-Ag '62.

Rapid method for determining current density by using an electronic apparatus. I. U. P. Chuvaev. Trudy Ural. leotekh. inst. no. 17:108-110 '62.

Two possible methods for measuring the current density of a particle beam. V. P. Zrellov. Prib. i tekhn. eksp. 7 no. 2:29-33 Mr-Ap '63.

ELECTRONICS

Heavy electronics. L. Iur'ev. Izobr. i izv. no. 12 '63.

Optimum use of time-spatial signals. A. A. Kuznetsov. Radiotekh. i elektron. 8 no. 4:552-563 Ap '63.

Wide possibilities for the introduction of electronic techniques. A. I. But. Stroim. 0 no. 3: 6-12 Ji '63.

Work of the sections of the A. S. Popov State Scientific Technical Society of Radio and Electronics. Zh. tekhn. i elektron. 17 no. 3:71-72 Mr '63.

ELECTRONICS—ABSTRACTS

[Electronics and its applications] Ref. zhur. i Elektron. i prim. no. 5 My '63.

ELECTRONICS—CONGRESSES

Eighth Scientific and Technical Conference on Elements of Automatic Control, Remote Measurements, Techniques, and Computer Technology. M. A. Pospelov, G. V. Subbotina. Avtom. i telemek. 24 no. 4: 428-434 Mr '63.

ELECTRONICS—QUALITY CONTROL

Reliability of reservation networks with consideration of the distribution of loads or stresses [with summary in English]. A. L. Bakin. Avtom. i telemek. 24 no. 4: 558-562 Ap '63.

ELECTRONICS IN AERONAUTICS

Along the blue tracks. V. Kazimirochek. Zhurnal pratsia no. 2:5-7 F '63.

ELECTRONICS IN AGRICULTURE

Harnessed electrons. A. But. Sel. mekh. 1983. 3: 3-5 Ja '63.

ELECTRONICS IN MILITARY ENGINEERING

Slivak, V. S. [Military applications of electronic computers] Voennoe primeneniie elektronnykh vychislitel'nykh mashin. Moskva, Voenizdat, 1983. 166 p.

ELECTRONICS IN MINING

Introduction of and outlook for using electronic computers and automations in ore dressing. G. Zhur. Eksp. i tekhn. 63 Mr '63.

Prospects of using automations in ore dressing [with summary in English]. M. F. Lokonov, I. V. Olevskala. G. Zhur. Eksp. i tekhn. 63 Mr '63.

Theory and practice are inseparable. L. P. Zhurav. Eksp. i tekhn. 63 Mr '63.

ELECTRONOGRAPHY see Electron diffraction and spectroscopy

ELECTRONS

Cyclotron radiation of charged particles in a magnetic field. A. A. Korchak, N. A. Lotova. Fiz. tverd. tela 3 no. 1:37-42 Ja-F '63.

Diamagnetism of conduction electrons in weak magnetic approximation. A. G. Samoilovich, E. I. Itskovskii. Fiz. tverd. tela 5 no. 3:778-782 Mr '63.

Electron mobility in heavily doped silicon. P. S. Gerasimovskii, V. I. Fislul', M. G. Mil'vidskii. Fiz. tverd. tela 5 no. 3:821-827 Mr '63.

Elementary processes near the surface in a gas discharge. V. I. Rydnik, B. M. Lavrovskii. Radiotekh. i elektron. 8 no. 4:839-845 Ap '63.

Relaxation rate of donor electrons in compensated semiconductors. V. I. Avdeev. Fiz. tverd. tela 5 no. 3:811-739 Mr '63.

ELECTRONS—CAPTURE

Capture and trapping of electrons on positively charged tellurium atoms in germanium. K. D. Gilevskii, M. E. Litovchenko, E. G. Missiuk. Fiz. tverd. tela 5 no. 3: 842-844 Mr '63.

Method for determining the parameters of capture of electrons in CdS type semiconductors. A. A. Kasal'skii. Fiz. tverd. tela 5 no. 3:724-729 Mr '63.

Recombination properties of manganese in germanium. E. G. Landsberg, S. G. Kalashnikov. Fiz. tverd. tela 5 no. 4:1067-1076 Ap '63.

ELECTRONS—EMISSION

Emission of hot electrons from germanium. I. U. P. Chuvaev, V. I. Shilal'nikas. Fiz. tverd. tela 5 no. 3:730-733 Mr '63.

ELECTRONS—SCATTERING

Double Mott scattering of electrons [with summary in English]. L. A. Mikaellian, A. A. Borovoi, E. I. Itskovskii. Zhur. eksp. i teor. fiz. 44 no. 4:1102-1170 Ap '63.

Effect of inelastic processes on the scattering of electrons by positrons and electrons [with summary in English]. L. I. Lapidus. Zhur. eksp. i teor. fiz. 44 no. 4:1333-1341 Ap '63.

Use of electron scattering for gas pressure measurement. V. P. Chebotayev. Prib. i tekhn. eksp. 8 no. 2:176-177 Mr-Ap '63.

ELECTRONS—SPECTRA

Use of electronic-vibrational spectra in analyzing the exciton band structure. E. I. Rashba. Fiz. tver. tela 5 no. 4:1040-1045 Ap '63.

ELECTROOSMOSIS

Industrial experience with electroosmosis used to increase the bearing capacity of hollow cylindrical piles. B. P. Bel'tov, B. P. Erykhov. Gidr. stroi. 33 no. 2:51-52 F '63.

ELECTROPHORESIS

Causes of the inconsistent data of the electrophoretic study of protein fractions in the blood serum in myocardial infarct. Z. K. Trushinskii. Lab. delo 9 no. 3: 8-12 Mr '63.

Comparative characteristics of the interpretation of an electrophoretogram of blood serum proteins by means of a photoelectrocolorimeter and direct photometry using a densitometer; statistical study. I. U. M. Levanov. Lab. delo 9 no. 3:12-16 Mr '63.

Effect of nivaline electrophoresis in some diseases of the nervous system. S. Kiricheva and others. Vop. kur., fizioter., i lech. fiz. kul't. 28 no. 1:28-30 '63.

Electrophoretic examination of the plasma protein fractions in coronary insufficiency (with summary in English). N. V. Demidova. Kardiologiya 2 no. 3:78-82 My-Je '62.

Experimental study of streptomycin electrophoresis in suppurative inflammatory diseases. N. A. Barsukov. Sov. med. 26 no. 1:129-133 Ja '63.

Free-boundary electrophoresis of fish proteins. A. K. Kaminskaya. Ryb. khoz. 39 no. 4:75-77 '63.

Use of narsulfazole solutions in diluted hydrochloric acid for electrophoresis. N. A. Barsukov. Vop. kur., fizioter., i lech. fiz. kul't. 28 no. 1:31-33 '63.

ELECTROPHYSIOLOGY

Effect of prolonged transverse overloads of different magnitude on the bioelectric reactions of the cerebral cortex [with summary in English]. G. V. Izosimov, A. N. Razumeev. Probl. kosm. biol. 2:247-254 '62.

Man as generator of electricity. E. Sologub, I. U. Verkhalo. IUn. tekhn. 7 no. 4:33-38 Ap '63.

Participation of the venous thermoreceptors in chemical thermoregulation. N. F. Glebova. Dokl. AN SSSR 149 no. 3:742-745 Mr '63.

Some problems of the interrelationship between the electric activity of the brain and muscles in man. V. G. Zhukov, A. N. Mineeva. Nauch. dokl. vys. shkoly; biol. nauki no. 2:83-86 '63.

Thought and steel. Igor' Adabashvili. Nauka i zhytiya 12 no. 2:50-52 F '63.

ELECTROPLATING

Electrolytic dyeing. Nauka i zhytiya 30 no. 1:19 Ja '63.

Replacement of copper with aluminum in the bus systems of zinc electroplating departments. M. I. A. Kaganovich. Prom. energ. 18 no. 4:31-34 Ap '63.

ELECTROSTATIC SEPARATORS

Cleaning quartz of impurities by electrostatic separation. N. M. Karnaukhov, F. L. S. I. Nikov. Obog. rud 7 no. 2:18-20 '62.

ELECTROSTATICS

Development of an electric charge in moulined yarns during rewinding on automatic reels. A. V. Morozov, K. S. Tugeev, N. A. Borodovskii. Tekst. prom. 23 no. 3:42-45 Mr '63.

Device for determining the magnitude and sign of the static charge occurring in fibrous materials. N. A. Borodovskii. Tekst. prom. no. 2:72-74 F '63.

Production in an electrostatic field. V. Gol'strem. Nauka i zhytiya 12 no. 2:16-17 F '63.

ELECTROSURGERY

Electrocoagulation in malignant polypi of the rectum and the sigmoid. F. I. Leshchenko. Klin. khir. no. 5:54-57 My '62.

ELECTROTHERAPEUTICS

Effect of bromine ion galvanization of the spinal cord in lesions of the pyramidal system. F. M. Efendieva. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:87-89 '59.

Treatment in recurrent hidradenitis and lymphadenitis with impulse galvanic current. V. R. Aleksandrov. Vop. kur., fizioter., i lech. fiz. kul't. 28 no. 1:77-78 '63.

ELECTROTYPING

Heat deformation of a flat electrotpe. G. S. Chistiakov. Trudy NIPoligrafmash. no. 16:37-54 '62.

ELEKTRENAI—ELECTRIC POWER PLANTS

Symbol of the new Lithuania. V. Razumov. Agitator no. 9:43-45 My '63.

ELEKTROSTAL'—APARTMENT HOUSES

Antonovskoy, N. A. [Houses cost less] Doma obkhoditsya deshevie. [Moskva] Mosk. rabochi, 1963. 37 p. (Stroitel' obmenivatsia opytom)

ELEKTROSTAL'—CITY PLANNING

New industrial centers of Russia; book reviews. V. Dardik. Na stroi. Ros. 4 no. 4:31 Ap '63.

ELEMENTARY EDUCATION see Education, Elementary

EL'GYGYTCYN LAKE REGION—GEOLOGY

Origin and history of the Lake El'gygytyn Basin [with summary in English]. I. A. Nekrasov. Geol. i geofiz. no. 1:47-59 '63.

ELM—WATER REQUIREMENTS see subdivision under Caspian Sea region

ELUARD, PAUL, 1895-1952

"Paul Eluard, letters written during his youth and unpublished poems" [in French]. Reviewed by S. Velikovskii. Vop. lit. 7 no. 2:214-218 F '63.

EMBA DISTRICT—PETROLEUM INDUSTRY

Nearer to the people and to production. S. Mukashev. Part. zhizn' Kazakh. 33 no. 3:24-27 Mr '63.

EMBA REGION—FAULTS (GEOLOGY)

Role of tectonic faults in the oil fields of the southern Emba region. Kh. A. Kalabaev. Trudy Inst. nefi AN Kazakh, SSSR 4:52-54 '61.

EMBA REGION—MINERAL WATERS

Medicinal mineral waters in the southern part of the Emba region. V. B. Kolpakov. Trudy Inst. nefi AN Kazakh, SSSR 4:80-83 '61.

EMBA REGION—OIL FIELD BRINES

Hydrogeological studies in the Emba region. Zh. A. Dzhangir'iants. Trudy Inst. nefi AN Kazakh, SSSR 4: 112-116 '61.

EMBA REGION—OIL FIELD BRINES—ANALYSIS

Barium and strontium contents in oil field waters of the Emba region. M. E. Viktorova, A. V. Kotova. Trudy Inst. nefi AN Kazakh, SSSR 4:175-178 '61.

Colorimetric determination of boron, bromine, iodine, and phosphate-ions in highly mineralized waters of the Emba region. M. E. Viktorova, A. V. Kotova. Trudy Inst. nefi AN Kazakh, SSSR 4:171-174 '61.

EMBA REGION—OIL FIELDS

Role of tectonic faults in the oil fields of the southern Emba region. Kh. A. Kalabaev. Trudy Inst. nefi AN Kazakh, SSSR 4:52-54 '61.

EMBA REGION—OIL WELL DRILLING

Drilling operations in the Emba region in 1952-1959. K. D. Shevtsov. Trudy Inst. nefi AN Kazakh, SSSR 4:100-107 '61.

Further developments for speeding up drilling operations in the Emba region. K. D. Shevtsov. Trudy Inst. nefi AN Kazakh, SSSR 4:198-203 '61.

EMBA REGION—PETROLEUM INDUSTRY

Development of the Emba oil region under the Soviet regime. K. Temirgaliev. Trudy Inst. nefi AN Kazakh, SSSR 4:3-9 '61.

EMBA REGION—SALT DOMES

Dislocations in Emba salt domes and some prospecting problems associated with them. Kh. A. Kalabaev. Trudy Inst. nefi AN Kazakh, SSSR 4:55-59 '61.

Formation of salt domes in the southern Emba region. I. U. S. Kononov. Trudy Inst. nefi AN Kazakh, SSSR 4: 40-51 '61.

EMBANKMENTS

Full scale verification of the wave damping effect of bushes. Rech. transp. 22 no. 4:44 Ap '63.

EMBEZZLEMENT

(see also subdivision under Abatskiy District; Kazakhstan)

Atone for courage. E. Dantlova. Smena 30 no. 18: 8-9 S '62.

How the accounting experts can prevent criminal offenses. I. Ganchev. Sov. iust. no. 8:16-17 Ap '63.

Let's return to the embezzlers of public property. T. Alapetian, I. U. Krivososov. Ogonek 41 no. 14:26 Mr '63.

EMBOLISM

Clinical variants of embolic myocardial infarcts. V. N. Smirnov. Kaz. med. zhur. no. 5:9-12 '62.

EMBROIDERY

Koroleva, N. S., comp. [Embroidery of the peoples of the Volga and the Kama Valleys] Vyshivka narodov Povolzh'ia i Prikam'ia, [Otv. za vyp. E. K. Golovkina. Leningrad, Nauchno-issl. in-t khudozh. promyshl. Rossprosmoyeta, 1960] 7 p. col. plates. (MH)

EMBRYOLOGY

Vsesoyuznoe nauchnoe obshchestvo anatomov, gistologov i embriologov. [Theses of reports of the symposia of the All-Union Scientific Society of Anatomists, Histologists, and Embryologists held in Kaunas, June 26-28, 1962] Tezisy dokladov simpoziumov...; g. Kaunas 26-28 iunija 1962 g. Moskva, 1962. 82 p. [MICROFILM]

EMBRYOLOGY—BIRDS

Development and function of the thyroid gland and the anterior lobe of the hypophysis in the embryonic period of life of various poultry breeds. B. H. Novykov and others. Vysnyk Kyiv, un. no. 3. Ser. biol. no. 1:97-107 '60.

Glycogen fractions in the liver, muscles and the yolk sac of the chick embryo [with summary in English]. Z. P. Zheludkova. Biokhimiya 26 no. 1:31-35 Ja-F '63.

Histogenesis of the thyroid gland and the anterior part of the hypophysis in bronze turkeys. O. H. Abramova. Vysnyk Kyiv, un. no. 1. Ser. biol. no. 2:107-112 '58.

EMPHYSEMA

Mechanism of the development of altitudinal tissue emphysema [with summary in English]. E. A. Kovalevko. Probl. kosm. biol. 2:399-408 '62.

EMPHYSEMA, PULMONARY

Mediastinal emphysema in a pulmonary tuberculosis patient with influenza. V. S. Anastas'ev. Kaz. med. zhur. no. 5:82-83 S-O '62.

Morphology of the thebesian vessels of the right ventricle in emphysema of the lungs and atherosclerosis. E. Lashchenko. Izv. AN Latv. SSR no. 2:100-104 '63.

Progressive lobar emphysema and tension cysts of the lung in infants [with summary in English]. S. I. A. Doletskii, A. A. Ovchinnikova. Pediatrila 41 [i.e. 42] no. 2:56-64 F '63.

EMPLOYEE INCENTIVES see Incentives in industry

EMPLOYEE VACATIONS see Vacations, Employee

EMPLOYEES, DISMISSAL OF

(see also subdivision under Tallinn)

Amonfel'd, G. M. [Hiring and dismissal of state commerce workers] Priem i uvolnenie rabotnikov gosudarstvennoi torgovli. Moskva, Gosstorgizdat, 1962. 86 p.

Letters from the editor. Sov. profsoyuzy 18 no. 7:28-29 Ap '63.

EMPLOYERS' LIABILITY

Brief news. Rad. pravo no. 3:156-157 My-Je '62.

Compensation for damage of workers' and employees' health incurred in connection with their work (to be concluded). Okhr. truda i sots. strakh. no. 4:32-37 Ap '63.

Compensation for damages causing disability incurred by workers and employees in connection with their work (to be continued). Okhr. truda i sots. strakh. 6 no. 3: 38-40 Mr '63.

EMPLOYMENT OF EX-CONVICTS see Ex-convicts, Employment of

EMULSIONS

Effect of ultrasonic frequency on the composition of the disperse phase of an emulsion at the moment of emulsification. S. A. Neduzhii. Akust. zhur. 9 no. 2:241-243 '63.

Preparation and use of emulsions of petroleum products from self-emulsifying oil. I. D. Taveridze, I. I. Mikadze, K. S. Khaekhvadze. Trudy Inst. khim. AN Gruz. SSR 16:159-166 '62.

Ultrasonic emulsifier for forming a water-oil emulsion. M. N. Pribylskii. Mekh. stroi. 20 no. 5:23-24 My '63.

EMULSIONS, PHOTOGRAPHIC see Photographic emulsions

ENAMEL AND ENAMELING

Effect of the composition of zirconium enamels on their whiteness and water-resistance. G. I. Beliaev, I. U. D. Barinov. Stok. i ker. 20 no. 3:20-23 Mr '63.

Enamels. T. V. Medvedeva. Standartizatsia 27 no. 4: 45 Ap '63.

ENBEKSHIL'DERSKIY DISTRICT—POLITICS AND GOVERNMENT

Inadequate measures. Sov. deput. i rud. no. 4:87 Ap '63.

ENCAUSTIC PAINTING

Resurrected art. P. Golubev. Smena 39 no. 12:21 Je '62.

ENCEPHALITIS

(see also subdivision under Ural Mountain region)

Case of recurrent tick-borne encephalitis. A. N. Lopatin, D. K. L'vov, P. S. Babkin. Vop. virus. 7 no. 6:741 N-D '62.

Chronic cell infection by virus of tick-borne encephalitis. Report No. 1: Cell properties of chronically infected cultures [with summary in English]. O. G. Andzhaparidze, N. N. Bogomolova, S. I. A. Salkind. Vop. virus. 7 no. 6:650-654 N-D '62.

Cultivation and inactivation of the virus in the preparation of tissue vaccine for the prophylaxis of tick-borne encephalitis [with summary in English]. B. F. Semenov, P. S. Karaseva, A. I. Rezapova. Vop. virus. 7 no. 6: 654-657 N-D '62.

Effect of oxygen under pressure on the course of experimental tick-borne encephalitis in white mice [with summary in English]. N. I. Komandenko, Vop. virus. 7 no. 6:658-661 N-D '62.

Hemagglutination inhibition reaction in the diagnosis of tick-borne encephalitis. S. P. Karpov, A. A. Selezneva. Vop. virus. 7 no. 6:740 N-D '62.

Production of a dry inactivated brain antigen in tick-borne encephalitis for complement fixation reaction. I. U. V. Fedorov, L. A. Burenkova, R. A. Vidlina. Vop. virus. 7 no. 6:741 N-D '62.

- ENCEPHALITIS (Continued)**
Use of different virological methods of determining cellular and free antigens of tick-borne encephalitis in a tissue culture during the development of the infection [with summary in English]. A. I. L'vova, N. G. Titova, Vop. virus. 7 no. 6:665-670 N-D '62.
- ENDERBY LAND—COORDINATES**
Determination of astropoints in Enderby Land. A. A. Pavlov. Inform. biul. Sov. antark. eksp. no. 37:40-41 '62.
- ENDERBY LAND—GEOLOGY**
Geological studies in western Enderby Land. L. V. Klimov, S. F. Dukhanin, M. I. Mirtoshin. Inform. biul. Sov. antark. eksp. no. 37:5-7 '62.
- ENDERBY LAND—MAGNETISM, TERRESTRIAL**
Preliminary results of geomagnetic studies in western Enderby Land. S. A. Ushakov. Inform. biul. Sov. antark. eksp. no. 37:34-37 '62.
- ENDOCARDITIS**
Etiology and microbiological diagnosis of protracted septic endocarditis. N. V. Zhuravskaya. Trudy MONKI no. 5:50-66 '62.
- ENDOSPERM**
Akademiia nauk SSSR, Karel'skii filial, Petrozavodsk.
[Problems in the genetics of grain crops; injection method] Voprosy genetiki zernovykh kul'tur; metod in'ektsii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 120 p.
- ENDZELINS, JANIS, 1873-1961**
In commemoration of the academic work of philologist Janis Endzelins [in Latvian]. R. Grishe. Izv. AN Latv. SSR no. 2:131-132 '63.
- ENEMA**
Change in the total blood cholesterol in hepatocholelitis under the influence of subaqueous intestinal lavage with Bash-Tsitsau mineral water. K. S. Sadykh-Zade. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. Iech. no. 3:117-121 '59.
- ENGEL'S (SARATOV PROVINCE)—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION**
Combining construction and assembly of the equipment of an acetate plant. I. Basov. Na stroi. Ros. 4 no. 4: 8-7 Ap '63.
- ENGINEERING GEOLOGY**
(see also subdivision under Kurek Magnetic Anomaly; Noril'sk region; Siberia, Eastern)
Basic trends in training specialists for engineering geology. A. I. Dlukov, D. I. Shchegolev. Sov. geol. 6 no. 4:155-159 Ap '63.
"Instructions for engineering geology studies in surveying new lines, second tracks, reconstruction and railroad electrification." Reviewed by A. M. Goralk, M. K. Druzhinin. Transp. stroi. 13 no. 4:73-74 Ap '63.
Using methods of nuclear physics for solving problems of engineering geology and hydrogeology. V. I. Ferron-skil and others. Vop. gidrogeol. i inzh. geol. no. 20:3-17 '62.
Using seismic study methods in engineering geology. A. L. Leyshin. Vop. gidrogeol. i inzh. geol. no. 20:125-135 '62.
- ENGINEERING MODELS**
Making models of mines from plexiglas. B. V. Oleinikov. Gor. zhur. no. 3:52-53 Mr '63.
The use of models in the design of industrial enterprises. IU. Lebedev. Arkh't. SSSR no. 4:23-32 '63.
- ENGINEERING STANDARDS** see Standards, Engineering
- ENGINEERS**
Noteworthy dates in science and technology. Shkola i prozv. 7 no. 2:95-96 F '63.
- ENGLISH LANGUAGE**
"English language outside of England" by T. M. Baltaeva, I. A. Potapova. Reviewed by L. S. Barkhudarov, A. D. Shveitsers. Inostr. iaz. v shkole no. 1:117-120 Ja-F '63.
- ENGLISH LANGUAGE—ARTICLE**
Omission of the article in English; on direct and impersonal-direct speech. V. V. Men'kova. Uch. zap. LGU no. 283:98-104 '61.
- ENGLISH LANGUAGE—ATTRIBUTION**
One type of attributive word combination in English. E. S. Blindus. Nauch. dokl. vys. shkoly; filol. nauki no. 1:112-126 '63.
- ENGLISH LANGUAGE—CHRESTOMATHIES AND READERS**
"Stories and tales for children" [in English]. Book review. Inostr. iaz. v shkole no. 1:35 Ja-F '63.
- ENGLISH LANGUAGE—DICTIONARIES—LATVIAN**
[English-Latvian dictionary. Approximately 20,000 words] Anglu-Latvisu vardsneca [By] J. Raakevics, M. Sosars, L. Timencika. Ap 20 000 vardu. Riga, Latvijas Valsts izdevnieciba, 1962. 720 p.
- ENGLISH LANGUAGE—DICTIONARIES—RUSSIAN**
[Concise English-Russian and Russian-English military dictionary] Kratkii anglo-russkii i russko-angliskii voennyi slovar'. Moskva, Voen. izd-vo M-va oborony SSSR, 1963. 560 p.
"English-Russian dictionary with illustrations" by Z. N. Vlasova. Reviewed by A. V. Kunin. Inostr. iaz. v shkole no. 2:117-119 Mr-Apr '63.
Trifonova, N. F., and Z. D. Chokulaeva, comps. [English-Russian astronomical and geophysical dictionary] Anglo-russkii astrofizicheskii slovar'. Pod red. N. P. Ben'kovoi, V. A. Branshtena, A. G. Masevich. Moskva, Glav. red. inostr. nauchno-tekhn. slovaroi Fizmatgiz, 1962. 512 p.
- ENGLISH LANGUAGE—GRAMMAR**
Entertaining grammar. N. L. Utevskaia. Inostr. iaz. v shkole no. 2:54-63 Mr-Apr '63.
Structural nature of formations such as "woman doctor" in English. B. I. Grudinko. Uch. zap. LGU no. 283:35-47 '61.
- ENGLISH LANGUAGE—INFINITIVE**
The retroactive infinitive in English. R. V. Basova. Uch. zap. Lrk. gos. ped. inst. Inostr. iaz. no. 6:31-47 '62.
- ENGLISH LANGUAGE—INTERJECTIONS**
Classification of interjections in modern English. M. D. Gutner. Vop. iaz. i lit. no. 3:52-79 '62.
- ENGLISH LANGUAGE—NOUN**
Prefixal formation of nouns in English; the Old English period. E. V. Prokof'eva. Uch. zap. LGU no. 283:121-128 '61.
- ENGLISH LANGUAGE—PHONETICS**
How I teach English phonetics. E. N. Kolycheva. Sred. spets. obr. 10 no. 4:36-40 Ap '63.
- ENGLISH LANGUAGE—SPOKEN ENGLISH**
In English schools. M. IU. Ibragimova. Inostr. iaz. v shkole no. 2:88-90 Mr-Apr '63.
Oral introductory course in the fifth grade. G. V. Rogova. Inostr. iaz. v shkole no. 1:9-18 Ja-F '63.
Situations for English conversations. S. B. Berlizon. Inostr. iaz. v shkole no. 1:60-64 Ja-F '63.
- ENGLISH LANGUAGE—STUDY AND TEACHING**
(see also subdivision under Germany, East)
Teachers' conference on theory and practice in English. Inostr. iaz. v shkole no. 1:123-124 Ja-F '63.
- ENGLISH LANGUAGE—STYLE**
Expressions such as "a monster of a dog" in modern English. V. V. Men'kova. Uch. zap. LGU no. 283:105-113 '61.
- ENGLISH LANGUAGE—SYNONYMS**
Synonyms in English. L. D. Blank. Vop. iaz. i lit. no. 3:40-51 '62.
- ENGLISH LANGUAGE—SYNTAX**
One type of attributive word combination in English. E. S. Blindus. Nauch. dokl. vys. shkoly; filol. nauki no. 1:112-126 '63.
Syntax of the literary language employed by Galsworthy. D. I. Fedoseeva. Uch. zap. LGU no. 283:150-157 '61.
- ENGLISH LANGUAGE—TECHNICAL ENGLISH**
Bogdanova, A. A., N. O. Doroshkevich, and Kh. E. Zlochevskaya. [English language for marine electricians] Angliskii iazyk dlia sudovykh elektromekhanikov. Moskva, Izd-vo "Morskoi transport", 1962. 107 p. [MICROFILM]
Viktorov, A. V., and L. V. Vasilenko. [English language for operating engineers and mechanics in sea transport] Angliskii iazyk dlia ekspluatatsionnikov i mekhanizatorov morskogo transporta. Moskva, Izd-vo "Morskoi transport", 1962. 155 p.
- ENGLISH LANGUAGE—TERMS AND PHRASES**
Expressions such as "a monster of a dog" in modern English. V. V. Men'kova. Uch. zap. LGU no. 283:105-113 '61.
Work combinations in newspaper-political texts. K. S. Nedoshivina. Vop. iaz. i lit. no. 3:119-138 '62.
- ENGLISH LANGUAGE—TEXTBOOKS FOR FOREIGNERS**
Andrianov, S. N., and L. N. Sorokina. Textbook of economics translation. Uchebnik ekonomicheskogo perevoda. Moskva, Izd-vo DMO, 1961. 340 p. (RFB)
- ENGLISH LANGUAGE—VERB**
Structural-semantic characteristics of the verbs "to stand," "to sit," and "to lie" in constructions with adjectives. L. S. Alekseeva. Vop. iaz. i lit. no. 3:3-10 '62.
Structural-semantic models of loose verbal phrases in English. L. M. Bellaeva. Uch. zap. kaf. zap. inostr. iaz. IMO no. 3:82-103 '60.
- ENGLISH LANGUAGE—WORD FORMATION**
Prefixal formation of nouns in English; the Old English period. E. V. Prokof'eva. Uch. zap. LGU no. 283:121-128 '61.
- ENGLISH LITERATURE—HISTORY AND CRITICISM**
Progressive historical novel in modern English literature. V. S. Vakhrushev. Nauch. dokl. vys. shkoly; filol. nauki no. 1:41-52 '63.
Remarkable figure of English literary criticism. D. S. Nov. Vop. lit. 7 no. 2:96-99 F '63.
- ENGLISH NEWSPAPERS**
One against Fleet Street. V. Parkhitko. Sov. pers. no. 4:59-60 Ap '63.
- ENGRAVING MACHINES**
An electronic engraving machine. A. D. Babitskiy, I. A. Dukhovnyi. Trudy NIIPoligrafmash no. 15:27-44 '61.
An electronic system for manufacturing stereotype with dot structure of the printing elements. I. A. Babitskiy, Trudy NIIPoligrafmash no. 15:49-68 '61.
Attachment to an electronic engraving machine for changing of scale. A. A. Khatkevich. Trudy NIIPoligrafmash no. 15:84-91 '61.
Power making-ready on the "EGM." L. M. Ustinov, L. M. Ustinov. Poligr. profzv. no. 3:28 Mh '61.
- ENIGMATITE** see subdivision under Khibiny Mountains, Lovozero Tundras
- ENNIATIN**
Structure and total synthesis of enniatin II. M. M. Zaitseva and others. Izv. AN SSSR, Otd. khim. nauk no. 3:33 Mr '63.
- ENSEMBLES (MUSIC)** see subdivision under Voiceless
- ENSILAGE**
Silage crops for the northern Yontsay Valley. A. V. Egorov, L. A. Pietrashko. Trudy Kras. SKKH 3 no. 1: 232-237 '59.
Zootechnical evaluation of corn ensilaged by using chemical preparations. A. I. Ashtinskii, D. I. Nikitin. Trudy Kras. SKKH 3 no. 1:48-54 '60.
- ENSILAGE—MICROBIOLOGY**
Makarova, M. M. [Microbiology of silage] Mikrobiologiya silosa. Leningrad, Sol'khozizdat, 1962. 143 p. (DNAL)
- ENTOMOLOGY—STUDYING AND TEACHING**
Practical work of the sixth grade students on the topic "Control of insect garden pests." Z. M. Dmitriyev, T. N. Ushakov. Biol. v shkole no. 2:29-33 Mr-Apr '63.
- ENTROPY**
Axiomatic determination on the entropy of a system with an invariant measure. V. A. Rokhlin. Izv. AN SSSR 140 no. 4:770-781 F '63.
- ENZYMES**
"Active centers" and the nature of the catalytic action of enzymes. A. E. Braunschtein, Zhur. VNIIO no. 4: 81-94 '63.
Atmospheric nitrogen fixation in vitro by enzymatic preparations isolated from the nodules of leguminous plants from higher plants not infected with bacteria. V. V. Turehin, Z. N. Beranova, G. G. Zhidkikh. Izv. AN SSSR 140 no. 3:731-734 Mr '63.
Effect of Azotobacter on the activity of some enzymes in fodder and table beets. L. H. Branderova. Vopr. biol. Kiyv. un. no. 2, Ser. biol. no. 1:81-102 '59.
Effect of increased temperature and complex enzymatic preparations of Aspergillus oryzae and A. awamori on the heteroenzymatic lactic acid fermentation. B. M. Smirnova. Dokl. AN SSSR 140 no. 3:714-716 Mr '63.
Effect of the stimulation of corn seed on the activity of enzymes in stimulated plants. V. H. Chykalesko. Vsiyok Kiyv. un. no. 2, Ser. biol. no. 1:51-57 '63.
Enzymatic links determining the glycolysis rate of microsomes of the Ehrlich ascetic cancer cells [with summary in English]. K. N. Sorokin. Biokhimiya no. 1:18-21 Ja-F '63.
- ENZYMES, DIGESTIVE** see Digestive enzymes
- EOSINOPHILIC GRANULOMA**
Eosinophilic granuloma of the bones. O. V. Tsukerman. Klin. khir. no. 5:70-77 My '62.
- EPIC POETRY, FINNISH**
Creation of the epic "Kalevala." Vaino Kaukianen. Vopr. zap. LGU no. 3:141-144 '62.
- EPIC POETRY, TURKMEN**
Several characteristics of the subject origin of the "Khurukga and Khompa" epics. A. S. Mirzabekov. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1:33-37 '63.
- EPILEPSY**
Kreindler, A. [Epilepsy: clinical and experimental studies. Translated from the Romanian] Epilepsia klinicheskii i eksperimental'nyy issledovanie. Pod red. E. V. Shmidin i F. V. Bassina. Moskva, Medgiz, 1960. 506 p. (DNLM)
Surgical treatment of traumatic epilepsy. Kh. M. Shakhman. Kaz. med. zhur. no. 5:69-81 5-Q '62.

EPOXY COMPOUNDS

Adhesive strength of epoxide compounds. V. M. Shcherbakov, S. V. Mazur. *Plast. massy* no. 3:42-44 '63.

EPOXY RESINS

Application of the ionic polymerization method for hardening of epoxide resins. Miloslav Lidarik, *Plast. massy* no. 3:11-17 '63.

Glued joints of parts of piping in sanitary engineering installations. V. M. Khurlev, *Vod. i san. tekhn.* no. 4: 1-5 Ap '63.

Methyl-1, 2, 3, 6-tetrahydro-3, 6-endo-methylenephthalic anhydride as a hardening agent for epoxide resins. I. L. Parbuzina and others. *Plast. massy* no. 4:12-13 '63.

Use of epoxy resins at the Zhdanov shipyard. I. U. M. Sotnikov, *Biul. tekhn. - ekon. inform. Tekhn. upr. Min. mor. flota* 7 no. 4:78-85 '62.

Use of epoxy resins in the assembly and installation of refrigerating units. V. V. Kamnev, *Khol. tekhn.* 40 no. 2:46-48 Mr-Apr '63.

Use of paint and lacquer coatings with a base of epoxy resins. A. I. Reibman, M. I. Finkel'shtein, *Lakokras. met. i kh. prom.* no. 2:33-36 '63.

EQUATIONS

Boundary value problem on an axis for a nonlinear equation of the n th order. G. I. A. Liubarskii, *Dokl. AN SSSR* 149 no. 3:521-524 Mr '63.

EQUATIONS, LINEAR see Linear equations

ERGOT

Artificial infection of rye with ergot. V. S. Sinitskii, *Bot. zhur.* 48 no. 2:210-222 F '63.

ERISMAN, FEDOR FEDOROVICH, 1842-1915

From the unpublished letters of F. F. Erisman to N. P. Sushova, P. V. Andreev. *Sov. zdrav.* 22 no. 4:64-67 '63.

ERISMANN, THEODOR, 1893-1961

In memory of Professor F. F. Erisman. *Vop. psikh.* 9 no. 2:189 Mr-Apr '63.

ERIVAN—ALUMINUM INDUSTRY

Using the hardness method in determining engineering properties of hot-rolled aluminum. G. Artemian, *Prom. Arm.* 6 no. 1:40-49 Ja '63.

ERIVAN—ARCHITECTURE—DESIGNS AND PLANS

Houses begin with a dream. M. Muruzov, *Smena* 40 no. 9:12-13 My '63.

ERIVAN—COMPRESSORS

Patriotic initiative of workers of the Erivan Compressor Plant. *Prom. Arm.* 6 no. 1:43 Ja '63.

ERIVAN—THEATER

Dying flower. E. Kh. *Teatr* 24 no. 3:113 Mr '63.

EROSION

(see also subdivision under Biya Valley; Chumysh Valley; Siberia; Soviet Central Asia; Stavropol Territory; Sukak Valley; White Russia)

Gully erosion in cities. B. F. Konov, *Izv. Vses. geog. ob-va* 95 no. 1:74-77 Ja-F '63.

ERRORS, THEORY OF

Minimum estimate of the error in quadrature formulas on classes of functions. I. F. Sharygin, *Zhur. vych. mat. i mat. fiz.* 3 no. 3:370-376 Mr-Apr '63.

ERYSPELOID see subdivision under Ukraine

ERYTHROBLASTOSIS FETALES

Pathomorphological changes in the central nervous system in the hemolytic disease of the newborn. G. S. Zenkevich, *Zdrav. Turk.* 7 no. 2:10-14 F '63.

ESCALATORS

Conveyors for passengers. B. I. Dobrer, *Probl. sov. gradostroitel.* no. 10:90-102 '63.

ESIDRIX

Reports on new methods of research, diagnosis, and treatment. G. Ulianova, *Kardiologia* 2 no. 3:88-89 My-Je '62.

ESKAR see subdivision under East European Plain

ESOPHAGUS—FOREIGN BODIES

External section of the esophagus for the extraction of foreign bodies. F. M. Golub, *Med. zhur. Uzb.* no. 8: 32-33 Ag '62.

ESPIN, YILMA

Yilma Espin; from the Sierra Maestra to the Federation of Cuban Women. Onelia Aguilar, *Zhen. mira* no. 1: 6-8 '63.

ESSENCES AND ESSENTIAL OILS

More precise determination of harvest time for musk sage. N. L. Gurvich, *Masl. -zhir. prom.* 29 no. 3: 25-26 Mr '63.

The "NDT-3" apparatus with continuous action for processing flower and grass raw materials. A. P. Chipliga, *Masl. -zhir. prom.* 29 no. 2:35-37 F '63.

ESSENTUKI—ECONOMIC CONDITIONS

Nal'chik. Kabardinskii gosudarstvennyi pedagogicheskii institut. Kafedra marksizma-leninizma. [Essentuki; sketch on its history and economy from 1798 through 1958] Essentuki; istoriko-ekonomicheskii ocherk, 1798-1958 gg. *Nal'chik*, 1961. 189 p.

ESSENTUKI—HISTORY

Nal'chik. Kabardinskii gosudarstvennyi pedagogicheskii institut. Kafedra marksizma-leninizma. [Essentuki; sketch on its history and economy from 1798 through 1958] Essentuki; istoriko-ekonomicheskii ocherk, 1798-1958 gg. *Nal'chik*, 1961. 189 p.

ESTERS

On the existence of titanium etherates. I. U. A. Lysenko, O. A. Osipov, E. E. Kravtsov, *Zhur. neorg. khim.* 8 no. 3:663-667 Mr '63.

Preparation and isomerization of mixed esters of 1-chloro-3-(β -chloroethoxy) isopropylphosphorous acid. V. K. Khairullin, T. I. Sobchuk, *Izv. AN SSSR. Otd. khim. nauk* no. 2:320-328 F '63.

Reduction of carboxylic esters to aldehydes by diisobutylaluminum hydride. L. I. Zakharin, I. M. Khorlina, *Izv. AN SSSR. Otd. khim. nauk* no. 2:316-319 F '63.

Study of the mechanism of hydrolysis of esters. V. I. Mur, Zh. A. Gorbunova, A. I. Korolev, *Zhur. VKHO* 8 no. 2:232 '63.

Synthesis of α -substituted β -keto esters. K. D. Penicescu and others. *Izv. AN SSSR. Otd. khim. nauk* no. 2: 332-339 F '63.

ESTERS—THERMAL PROPERTIES

Study of the thermal stability of peresters and a comparison of this stability with their initiation activity during polymerization. G. A. Nosae, R. N. Stepanova, *Plast. massy* no. 3:7-11 '63.

ESTONIA—AUTOMOBILE RACING

On ice-covered tracks in Estonia. V. Egorov, *Za rul.* 20 no. 5:20 My '62.

ESTONIA—BAKERIES

The first steps of production combines. V. I. A. Draluk, *Khleb. i kond. prom.* 7 no. 4:13-14 Ap '63.

ESTONIA—CURLEWS

Common curlew in the cultivated areas of southern Estonia. V. A. Zhelezin, *Ornitologiya* no. 4:303-304 '62.

ESTONIA—FIRES AND FIRE PREVENTION

Centennial. *Pozh. delo* 9 no. 4:3 of cover Ap '63.

ESTONIA—HISTORY—SOURCES

Reminiscences are an important source of history. H. H. Krus, *Ist. SSSR* 7 no. 1:234-237 Ja-F '63.

ESTONIA—MATHEMATICS—STUDY AND TEACHING

ENSV Matemaatikute ja füüsikute teaduslik-pedagoogilise konverentsi, 2d. [Papers delivered at the Pedagogical Conference of Mathematicians and Physicists of the Estonian S. S. R.] Lühietekannete kogumik. Tartu, Riiklik Ülikool, 1962. 110 p. [In Estonian]

ESTONIA—PHYSICS—STUDY AND TEACHING

ENSV Matemaatikute ja füüsikute teaduslik-pedagoogilise konverentsi, 2d. [Papers delivered at the Pedagogical Conference of Mathematicians and Physicists of the Estonian S. S. R.] Lühietekannete kogumik. Tartu, Riiklik Ülikool, 1962. [In Estonian]

ESTONIA—PUBLIC PROSECUTORS

Praiseworthy initiative. V. Rogovin, *Sots. zakon*, 39 no. 7:51-52 Jl '62.

ESTONIA—SWINE BREEDING

Karma, I. J., N. P. Osin, and V. E. Laanmäe. [Estonian meat-type swine] *Estoniala bekomala poroda svine.* Leningrad, Sel'khozizdat, 1962. 109 p. (DNAL)

ESTONIA—THEATER

Culture of the theater. O. Kalinenko, *Teatr* 24 no. 4:70-83 Ap '63.

Theater, dramaturgy, criticism. Olaf Ut. *Teatr* 24 no. 3:97-99 Mr '63.

ESTONIA—TRANSPORTATION, AUTOMOTIVE

Development of automotive transportation in the Estonian S. S. R. R. Sibul, *Avi. transp.* 41 no. 3:1-3 Mr '63.

ESTONIA—YOUTH

"Coming of age." V. Mishin, *Smena* 39 no. 16:2-5 Ag '62.

ETCHING

Structural etching with hydrofluoric acid of some minerals of the oxide and silicate classes. V. N. Sergeev, *Zap. Vses. min. ob-va* 92 no. 1:66-73 '63.

ETHANES

Diagram "i" and "ex" for propane and ethane. V. I. Kostuk, *Khol. tekhn.* 40 no. 2:77 Mr-Apr '63.

ETHANOL

Synthesis and conversions of vinyl ethers of ethanolamines. Report No. 14: Reaction of vinyl ether of monoethanolamine with vinyl acetate. M. F. Shostakovskii, I. A. Cherkulaeva, I. V. Lipovich, *Izv. AN SSSR. Otd. khim. nauk* no. 3:532-535 Mr '63.

Synthesis and conversions of vinyl ethers of ethanolamines. Report no. 15: Polymerization of vinyl ethers of ethanolamines. I. A. Cherkulaeva, I. V. Lipovich, M. F. Shostakovskii, *Izv. AN SSSR. Otd. khim. nauk* no. 3: 535-540 Mr '63.

ETHANOLAMINE

Evaluation of the catalytic activity of the alcoholate of monoethanolamine. I. A. Kozlov, A. G. Shablina, *Masl. -zhir. prom.* 29 no. 2:22-23 F '63.

ETHER

Synthesis of some ethers of glycerol. T. V. Smirnova, G. L. Popov, *Zhur. VKHO* 8 no. 2:232-234 '63.

Synthesis of some halogenated β -fluoroethyl phenyl ethers. T. V. Smirnova, I. I. Naumova, I. V. Sazonova, *Zhur. VKHO* 8 no. 1:115-116 '63.

ETHICS

Kaller, A. I. [D. I. Pisarev's ethical views] *Ehticheskie vzglady D. I. Pisareva.* Moskva, Vysshaya shkola, 1962. 102 p. (Materialy k lektsiiam po filiosofii)

Summing up the results of a debate. *Smena* 40 no. 9: 4-5 My '63.

ETHNOLOGY see subdivision under New Guinea

ETHNOGRAPHY—BIBLIOGRAPHY see Bibliography—Ethnography

ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology

ETHNOLOGY—CONGRESSES

The meeting of ethnological institutes in Riga. V. Kizchenko, *Nar. ivorch. ta etn.* 6 no. 4:137-138 O-D '62.

ETHYL ACETATE

Laboratory experiment of preparing ethyl acetate. S. V. Troitskii, *Khim. v shkole* 18 no. 1:65-67 Ja-F '63.

ETHYL ALCOHOL

New method for preliminary purification of synthetic ethyl alcohol. M. Bablan, *Prom. Arm.* 6 no. 1:40-41 Ja '63.

ETHYL ALCOHOL—THERMAL PROPERTIES

Heat transmission and viscosity of a 96-per cent (in volume) solution of ethyl alcohol in water. V. N. Zubarev, A. A. Aleksandrov, *Teploenergetika* 10 no. 3:74-78 Mr '63.

ETHYL CHLORIDE

Ethyl chloride block in the treatment of angina pectoris and myocardial infarct. L. Z. Laucvicius, *Kardiologiya* 2 no. 3:83-84 My-Je '62.

ETHYLENE

Plasticizing polyvinyl chloride with a mixture of dibutyl phthalate and chlorinated paraffin. A. E. Zarubitskii, I. L. Borisov, *Stroitel. mat.* 9 no. 3:34-35 Mr '63.

ETHYLENE COMPOUNDS

Organophosphoric derivatives of ethylenimine. Report No. 5: Mono- and polyfunctional monomers. N. P. Grechkin, I. A. Nuretdinov, *Izv. AN SSSR. Otd. khim. nauk* no. 2:302-306 F '63.

ETHYLENE POLYMERS

Antifriction material based on graphite impregnated with polytetrafluoroethylene. S. F. Fonarev, A. A. Kul'balch, V. A. Dzhanson, *Metod. isp. det. mash. i prib.* no. 2:3-9 '62.

ETHYLENEDIAMINE

Formation of mixed complex compounds of metal oxalates in ethylenediamine solutions. I. A. D. Fridman and others, *Zhur. neorg. khim.* 8 no. 3:676-684 Mr '63.

ETQUETTE

Krasnov, I. U. M., and A. V. Maskullia. [Proper conduct for young people] *O kul'ture povedeniia molodogo cheloveka.* [Moskva] Molodaia gvardiia, 1962. 101 p.

ETQUETTE FOR MEN

Advice for men. *Rab. i slal.* 39 no. 2:24 F '63.

EUCOMMIA see subdivision under Alma-Ata Province

EUPHAUSIACEA see subdivision under Pacific Ocean

EUROPE—ART, DECORATIVE

Similarity and contrasts; on the interrelation of Japanese and European decorative art. V. Brodskii, *Lekustro* 25 no. 12:55-61 '62.

EUROPE—POTATO WART

Potato wart in Europe in 1959. D. D. Zashch. *rast. ot vred. i bol.* 6 no. 6:55 Je '61.

- EUROPE—RADIOCARBON DATING**
Some new data on the absolute chronology of the upper Pleistocene and the age of upper paleolithic sites in Europe. N.V. Kind. *Biul. Kom. chetv. per.* no. 27:133-138 '62.
- EUROPE—STONE AGE**
Some new data on the absolute chronology of the upper Pleistocene and the age of upper paleolithic sites in Europe. N.V. Kind. *Biul. Kom. chetv. per.* no. 27:133-138 '62.
- EUROPE, EASTERN—AGRICULTURE, COOPERATIVE**
Akademii nauk SSSR. Institut ekonomiki mirovoi sotsialisticheskoi sistemy. [Triumph of the Lenin cooperative plan in socialist countries] Pobeda leninskogo kooperativnogo plana v stranakh sotsializma. [By] V.I. Storozhev i dr. Pod red. V.I. Storozheva i Kh.E. Potapova. Moskva, Izd-vo ekon. lit-ry, 1963. 274 p.
- EUROPE, EASTERN—BONUS SYSTEM**
Material incentives in the industry of the European people's democracies. R. Evstigneev. *Vop. ekon.* no. 4:101-106 Ap '63.
- EUROPE, EASTERN—COMMERCE**
Trade among the countries participating in the Mutual Economic Assistance Council and prospects for its development. V. Serhiev. *Ekon. Rad. Ukr.* no. 2: 94-101 Mr-Apr '63.
- EUROPE, EASTERN—DIVISION OF LABOR**
Development of economic cooperation among socialist countries. A. Alekseev, L. Ivanova. *Mir. ekon. i mezhdunar. otn.* no. 2:27-37 '63.
- Tasks of the economic geography of socialist countries at the new stage of the development of the world socialist system.** M. M. Zhirmunskii. *Izv. AN SSSR, Ser. geog.* no. 2:25-34 Mr-Apr '63.
- EUROPE, EASTERN—DIVORCE**
Divorce in the laws of European people's democracies. An Tkach. *Rad. pravo* no. 2:134-139 Mr-Apr '63.
- EUROPE, EASTERN—ECONOMIC GEOGRAPHY—RESEARCH**
Tasks of the economic geography of socialist countries at the new stage of the development of the world socialist system. M. M. Zhirmunskii. *Izv. AN SSSR, Ser. geog.* no. 2:25-34 Mr-Apr '63.
- EUROPE, EASTERN—ECONOMIC POLICY**
Regional planning in the European people's democracies. I. M. Smoliar. *Izv. AN SSSR, Ser. geog.* no. 2:118-125 Mr-Apr '63.
- EUROPE, EASTERN—ECONOMIC ZONING**
Regional planning in the European people's democracies. I. M. Smoliar. *Izv. AN SSSR, Ser. geog.* no. 2:118-125 Mr-Apr '63.
- EUROPE, EASTERN—EDUCATION**
"Education in the socialist countries of Europe" [in German]. Reviewed by V.I. Malinin. *Sov. pedagog.* 27 no. 4:143-147 Ap '63.
- EUROPE, EASTERN—EDUCATION—PERIODICALS**
From the pages of foreign periodicals. I. A. Ginevskii. *Sov. pedagog.* 27 no. 4:147-151 Ap '63.
- EUROPE, EASTERN—INDUSTRIAL MANAGEMENT**
Material incentives in the industry of the European people's democracies. R. Evstigneev. *Vop. ekon.* no. 4:101-106 Ap '63.
- EUROPE, EASTERN—LABOR PRODUCTIVITY**
The most important condition for increasing labor productivity in the industry of socialist countries. V. Gel'bras. *Sots. trud.* 8 no. 4:11-20 Ap '63.
- EUROPE, EASTERN—POLITICS**
Democratization and consolidation of the state apparatus in the European people's democracies. IE. Tykhonova. *Rad. pravo* no. 1:57-66 [Ja-F] '63.
- EUROPE, EASTERN—RELATIONS (GENERAL) WITH RUSSIA**
Strengthen friendly relations. IU. Bernov. *Part. zhizn'* no. 8:21-25 Ap '63.
- EUROPE, NORTHERN**
Our northern neighbors. *Mezhdunar. zhizn'* 10 no. 5: 150-154 My '63.
- EUROPE, WESTERN—COMMERCE—ASIA, SOUTH-EASTERN**
Southeastern Asia in search for paths of economic development. I. Vasil'ev. *Mir. ekon. i mezhdunar. otn.* no. 2:78-88 '63.
- EUROPE, WESTERN—ECONOMIC CONDITIONS**
West European economy at the crossroad. A. Bel'chuk. *Mir. ekon. i mezhdunar. otn.* no. 2:69-77 '63.
- EUROPE, WESTERN—GAS INDUSTRY**
Development of the gas industry in the West European countries. H. Kyrkevych. *Ekon. Rad. Ukr.* no. 2:87-93 Mr-Apr '63.
- EUROPE, WESTERN—GLACIAL EPOCH**
"The bearing of glacial and interglacial epochs on the formation and extinction of plant taxa" [in English] by J. Iversen. Reviewed by E. D. Zaklinskaya, N. G. Senkevich. *Biul. Kom. chetv. per.* no. 27:160-161 '62.
- EUROPE, WESTERN—NITROGEN FERTILIZERS**
Reestablishment of the nitrogen cartel. S. Safronov. *Mir. ekon. i mezhdunar. otn.* no. 2:111-113 '63.
- EUROPE, WESTERN—PLANTS, EFFECT OF TEMPERATURE ON**
"The bearing of glacial and interglacial epochs on the formation and extinction of plant taxa" [in English] by J. Iversen. Reviewed by E. D. Zaklinskaya, N. G. Senkevich. *Biul. Kom. chetv. per.* no. 27:160-161 '62.
- EUROPEAN COMMON MARKET** see European Economic Community
- EUROPEAN ECONOMIC COMMUNITY**
"Europe at sixes and sevens" by E. Benoît. Reviewed by A. Borisov. *Vnesh. torg.* 43 no. 3:32-38 '63.
Groundless hopes. V. Kosbentsevskii. *Mir. ekon. i mezhdunar. otn.* no. 2:87-99 '63.
- Kollontai, V. M., and IA. A. Ettinger.** [The "Common Market" and liberated countries] "Obshchii rynek" i osvobodivshiesia strany. Moskva, Izd-vo vostochnoi lit-ry, 1963. 75 p.
- Structural changes in the economic relations of the European Economic Community countries. Vladislav Pavlov. *Mir. ekon. i mezhdunar. otn.* no. 2:89-96 '63.
- United States and the "Common Market" [with English summary in appendix]. M. Zakhmatov. *Vnesh. torg.* 43 no. 4:25-30 '63.
- EUROPEAN ECONOMIC COMMUNITY COUNTRIES**
The cure is worse than the disease. A. Sharkov. *Mezhdunar. zhizn'* 10 no. 5:60-67 My '63.
- EUROPEAN ECONOMIC COMMUNITY COUNTRIES—FOREIGN ECONOMIC RELATIONS—AFRICA**
Goncharov, L. V., and G. A. Kirichenko. [The "Common Market" and African countries] "Obshchii rynek" i strany Afriki. Moskva, Izd-vo vostochnoi lit-ry, 1963. 70 p.
- EUROPEAN WAR, 1914-1918** see subdivision under Transcaucasia; Turkey
- EURYGASTERS**
The antifungal effect of the cuticle of Eurygaster integriceps Put. A. A. Evlakhova, T. A. Shekharina. *Dokl. AN SSSR* 148 no. 4:977-978 F '63.
International seminar on the shield bug Eurygaster integriceps. D. M. Paikin. *Zashch. rast. ot vred. i bol.* 6 no. 11:58 N '61.
- EURYGASTERS—EXTERMINATION**
Attachment to combines for gathering the shield bug Eurygaster integriceps. V. Miroshnichenko. *Tekhn. v sel'khoz.* 23 no. 1:170-81 Ja '63.
Chlorophos for controlling the shield bug Eurygaster integriceps. M. F. Novoded. *Zashch. rast. ot vred. i bol.* 6 no. 6:31 Je '61.
- EVANGELISTIC WORK** see subdivision under Moscow
- EVAPORATION**
Experimental investigation of the rate of evaporation of a drop of liquid in a stationary high temperature medium. V. M. Ivanov, E. V. Smirnova. *Trudy IGI* 18:46-58 '62.
- EVEN LANGUAGE** see Lamut language
- EVENING AND CONTINUATION SCHOOLS**
(see also subdivision under Lvov)
Accelerated courses in evening schools. S. M. Kossala. *Sov. pedagog.* 27 no. 4:56-63 Ap '63.
[Education of adults in the U.S.S.R.] *Obrazovanie vzroslykh v SSSR.* Moskva, 1960. 88 p. [Text in Russian, French, and English] (WU)
Struggle for the improvement of the quality of teaching. V. I. Futerman. *Sred. spets. obr.* 10 no. 4:30-34 Ap '63.
Teaching the German language in the senior grades of evening (staggered) schools. G. L. Levin. *Inostr. iaz. v shkole* no. 2:53-68 Mr-Apr '63.
Test system in evening schools. F. Kostylev. *Nar. obr.* no. 4:79-82 Ap '63.
- EVENKI NATIONAL AREA—BIBLIOGRAPHY**
Urachan, V. N. [Soviet Evenki National Area; a bibliographical index] *Sovetskaya Evenkiia; bibliograficheskii ukazatel'*. [Krasnoyarskoe knizhnoe izd-vo, 1962. 66 p.]
- [MICROFILM]
- EVICITION**
Practice in the eviction of tenants by administrative agencies. IE. Salamatov, V. Surkov. *Rad. pravo* no. 3: 108-110 My-Je '62.
- EVIDENCE (LAW)**
The concept of evidence in criminal procedure. H. Moisseian. *Rad. pravo* no. 3:120-122 My-Je '62.
- EVIDENCE, CRIMINAL**
Some problems of criminal expertise. V. Kononov. *Rad. pravo* no. 2:49-51 Mr-Apr '63.
- EVIDENCE, DOCUMENTARY**
How the accounting experts can prevent criminal offenses. I. Ganchev. *Sov. iust.* no. 8:16-17 Ap '63.
- EVIDENCE, EXPERT**
Shliakhov, A. R. [Procedural rules of expert evidence in criminal matters] *Protsessual'nye osnovy psukhologicheskoi kriminalisticheskoi ekspertizy.* Moskva, SPSR, Institut RSFSR, 1962. 40 p.
- EVTUSHENKO, EVGENII ALEKSANDROVICH**
Lessons of a poetic biography: remarks on the lyrics of E. Vtushenko. B. Runin. *Vop. lit.* 7 no. 2:17-25 F '63.
- EXAMINATIONS**
Test system in evening schools. F. Kostylev. *Nar. obr.* no. 4:79-82 Ap '63.
- EXCAVATING MACHINERY**
(see also subdivision under Angren region; Czechoslovakia)
Fluctuations in the speeds of the pulling chain of bucket excavators and conveying machines. G. F. Kost. *Sbor. trud. MISI* no. 39:341-349 '61.
Increasing the reliability of the E-652 excavator. D. A. Bardyshev. *Mekh. stroi.* 20 no. 4:10 Ap '63.
Inefficiency of using a single-bucket excavator as a hoisting crane. A. E. Khilunov. *Sbor. trud. MISI* no. 39:411-470 '61.
Keeping the cabin of an excavator free from dust. A. V. Iagupov. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:175-181 '62.
- Lantsburg, IA. B.** [Handbook for the young excavator operator] *Spravochnik mladogo mashinista ekskavatora.* Moskva, Proftekhizdat, 1962. 253 p.
- Manufacturing heavy-duty excavators in the U.S.S.R. B. I. Satovskii. *Sbor. trud. MISI* no. 39:22-30 '61.
- Metal elements of heavy-duty walker excavators made by the Ural Heavy Machinery Plant. Kh. A. Vukobratov. *Sbor. trud. MISI* no. 39:161-180 '61.
- The problem of determining the reliability of excavation and road machinery. D. A. Shalman. *Mekh. stroi.* 20 no. 4:17 Ap '63.
- Replacement of pneumatic drill. I. Iskanderov. *Sbor. trud. I sots. strakh.* no. 4:21 Ap '63.
- Results of studying new building excavators equipped with buckets having a capacity of 0.15 to 1.25 cu m. A. S. Rebrov. *Sbor. trud. MISI* no. 39:250-254 '61.
- Statistical study of loads on the working parts of open-pit excavators. K. S. Gnevskii. *Sbor. trud. MISI* no. 39:180-197 '61.
- Steady-state characteristics of a system for automating the operation of single-bucket excavators. V. I. Lantsburg. *Elektricheskoe* no. 3:46-51 Mr '63.
- Study of dust in the air during the operation of excavators. N. F. Rodionov, A. I. Loboda. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:171-175 '62.
- Theoretical comparative analysis of the productive processes of rotary bucket and chain-and-bucket type excavators. J. Lang. *Sbor. trud. MISI* no. 39:236-241 '61.
- Theory of bucket wheels designed with and without chain-belts. IU. Pator. *Sbor. trud. MISI* no. 39:101-117 '61.
- Theory of plow-type trench diggers. V. M. Lavrov. *Sbor. trud. MISI* no. 39:133-141 '61.
- Ulianov, N. A.** [Fundamentals of the theory and design of wheeled tractors for excavating machinery] *Osnovy teorii i rascheta kolosnogo dvizhiteia zemleroyliashchego mashina.* Moskva, Mashgiz, 1962. 206 p.
- Useful change in the bottom-opening mechanism of the excavator bucket. N. I. Rier. *Bezop. truda v prom.* 3 no. 8:32 S '62.
- EXCAVATING MACHINERY—ELECTRIC DRIVING**
(see also subdivision under Germany, East)
Bariev, N. V. [Networks controlling the electric drives of large excavators and their adjustment] *Skhemy upravleniya elektropriivodami mashinnykh ekskavatorov i ikh naladka.* Moskva, Gosenergoizdat, 1962. 75 p. (Biblioteka elektromontera, no. 85)
- Drive and the outlook for improving it on present-day single-bucket excavators. S. A. Volkovskii. *Sbor. trud. MISI* no. 39:368-367 '61.
- Electric drive and the outlook for improving it on single-bucket excavators. T. A. Dymshile, D. A. Kaminskii. *Sbor. trud. MISI* no. 39:368-374 '61.
- Study of the operation of an EVG-15 stripping excavator without a reducing gear on the drive of the hoisting mechanism. D. P. Volkov. *Sbor. trud. MISI* no. 39:341-365 '61.
- EXCAVATING MACHINERY—EQUIPMENT AND SUPPLIES**
Automatic control of excavation. A. I. Shenderov. *Sbor. trud. MISI* no. 39:377 '61.
- EXCAVATING MACHINERY—LUBRICATION**
Causes of the excessive consumption of crankcase oil in bulldozer and excavator engines. K. A. Loashchikov. *Mekh. stroi.* 20 no. 4:21-23 Ap '63.

EXCAVATING MACHINERY—MAINTENANCE AND REPAIR

Periods of service and fatigue limits of the basic parts of open-pit excavators. I. K. Domborvskaia. Sbor. trud. MISI no. 39:461-465 '61.
Repair of continuous action stripping equipment. A. M. Varshavskii, V. V. Zadorozhnyi. Met. i gornorud. prom. no. 1:92-95 Ja-F '63.

EXCAVATING MACHINERY—SAFETY MEASURES

Profesional'nye rabochikh i sluzhashchikh sel'skogo khozjal'stva i zagotovok. Tsentral'nyi komitet. [Manual on safety measures for the operators of excavating machinery] Pamiatka po tekhnike bezopasnosti dlia ekskavatorshchikov. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962, 21 p.

EXCAVATING MACHINERY—TESTING

Axial loads on bearing elements of the track-laying tread of excavators when moving. A. K. Reish. Mekh. stroi. 20 no. 4:19-20 Ap '63.
Results of testing the ESH-14/75 walker excavator. V. A. Riabkin. Sbor. trud. MISI no. 39:198-210 '61.
Results of testing the ESH-14/75 walker excavator. B. I. Satovskii. Sbor. trud. MISI no. 39:211-216 '61.
Study of the performance of multiple-roller bearing and turning devices on excavators. P. E. Totolin. Sbor. trud. MISI no. 39:217-221 '61.
Study of the track-laying equipment of heavy-duty excavators. I. M. Gornozov. Sbor. trud. MISI no. 39:222-230 '61.

EXCAVATION

Breaking of hard and frozen ground. N. G. Dombrovskii, M. I. Galperin. Sbor. trud. MISI no. 39:50-54 '61.
Excavation resistance of ground. V. Limberk. Sbor. trud. MISI no. 39:55-71 '61.
Principles of working soil by the caving method. G. V. Rodionov, V. M. Vladimirov. Sbor. trud. MISI no. 39:142-148 '61.
Variations in the forces of mechanical soil breaking by cutting and in the loads on earthmovers. I. A. Vetrov. Sbor. trud. MISI no. 39:72-84 '61.

EXCAVATIONS (ARCHAEOLOGY) see subdivision under Nile Valley; Pskov

EXCITONS

Light dispersion in the exciton absorption region. V. N. Piskov. Fiz. tver. tela 5 no. 3:701-708 Mr '63.
Use of electronic-vibrational spectra in analyzing the exciton band structure. E. I. Rashba. Fiz. tver. tela 5 no. 4:1040-1045 Ap '63.

EXCITONS—SCATTERING

Spectroscopic observation of exciton scattering in crystals. I. S. Gorbun', V. B. Timofeev, E. F. Frolova. Fiz. tver. tela 5 no. 4:977-981 Ap '63.

EX-CONVICTS, EMPLOYMENT OF

If an ex-convict has been fully rehabilitated. . . . Sov. deput. trud. no. 4:95 Ap '63.

EXECUTIONS (LAW)

Article 347 of the civil procedure code of the Ukrainian S. S. R. L. Rozenberg. Rad. pravo no. 1:107 [Ja-F] '58.

Procedure in the execution of judicial decisions. V. Mal'ar, O. Olean, K. Shymonova. Rad. pravo no. 2:56 Mr-Apr '63.

EXERCISE

Secretory function of gastric glands under different conditions of muscular activity. T. I. Sviatun. Vrach. delo no. 3:136-140 Mr '63.

EXERCISE THERAPY

(see also subdivision under Moscow)

Characteristics of vascular reactions in patients with lesions of the central nervous system [with summary in English]. V. N. Maksimova. Vrach. delo no. 3:84-86 Mr '63.

Early use of medical gymnastics in closed typical fractures of the radius. L. V. Retel'skaia. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:14-18 '63.

"Exercise therapy in a pediatric orthopedic clinic" by A. B. Gandel'sman. Reviewed by A. Ionina. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:88 '63.

Medical gymnastics and massage in the treatment of poliomyelitis. N. A. Shkadiuk. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:76-77 '63.

Significance of medical gymnastics during the preoperative stage in joint arthroplasty. I. A. Khairova, I. P. Shevelov. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:19-21 '63.

Tamarov, I. M. [Gymnastics for elderly people] Gimnastika dlia pozhtykh. Moskva, Medgiz, 1960, 39 p. (Nauchno-populiarnaya meditsinskaya literatura) (DNLM)

Use of exercise therapy with elderly and senile patients in a surgical clinic. R. N. Krotenko. Trudy Kish. gos. med. inst. 12:105-110 '60.

Use of therapeutic swimming. D. I. Cherkes-Zade. Teor. i prak. fiz. kul't. 28 no. 4:54-56 Ap '63.

EXPERIMENTAL SURGERY see Surgery, Experimental

EXHAUST SYSTEMS

Optimum amount of air in sintering. I. I. Rovenskii. Obog. rud. 7 no. 4:30-32 '62.

EXHIBITIONS

Pavlov, K. A. [International fairs and exhibitions] Mezhdunarodnye iarmarki i vystavki. Moskva, Vneshtorgizdat, 1962, 137 p.

EXPANSION (HEAT)

Expansion of ferrous and nonferrous alloys before shrinkage. N. G. Girshovich, K. P. Lebedev. IU. A. Nekhendzi. Lit. proizv. no. 4:23-28 Ap '63.

EXPLOSIVES

Andreev, K. K., and others, eds. [Theory of explosives] Teoriia vzryvchatykh veshchestv; sbornik statei. Moskva, Oborongiz, 1963, 478 p.
Calculation of the heat of explosion. I. A. Lebedev, A. I. Aplin. Izv. AN SSSR, Otd. khim. nauk no. 3:556-558 Mr '63.

EXPLOSIVES IN SHEET-METAL WORK

Explosive pressing of blanks for turbine blades. V. G. Kononenko, I. A. Bohorykin. Kuz.-shtam. proizv. 5 no. 3:10-13 Mr '63.
Poljak, S. M. [Methods of sheet-metal forming without power presses] Bespressovyye metody formirovaniia listovykh detalей; obzor. Moskva, TSINTIMASH, 1961, 33 p.
Stamping bottoms using a blasting method. I. A. Vavchenko, E. I. Zaitsev. Transp. stroi. 13 no. 4:64 Ap '63.

EXTRACTION (CHEMISTRY)

Colloid-chemical mechanism of the extractive separation of some elements. K. V. Troitskii. Usp. khim. 32 no. 2:239-247 F '63.
Hydration and solvation of acids and salts during extraction. I. A. Zolotov. Usp. khim. 32 no. 2:220-236 F '63.
Kuznetsov, V. I. [Chemical principles of the extraction-photometric methods of analysis] Khimicheskie osnovy ekstraktsionno-fotometricheskikh metodov analiza. Moskva, Gosgeoltekhizdat, 1963, 41 p.

EXTREMITIES (ANATOMY)—TUMORS

Clinical, roentgenological and pathohistological juxtaposition in primary neoplasms of the bones of extremities. A. A. Adzhi-Mollae, V. A. Sorokina, O. G. Terenkov. Med. zhur. Uzb. no. 8:13-20 Ag '62.

EXTREMITIES (ANATOMY)—WOUNDS AND INJURIES

Late results of the application of a nerve suture following a combat injury of an extremity [with summary in English]. V. L. Kachaev. Vrach. delo no. 3:71-75 Mr '63.

EXTREMITIES, LOWER—SURGERY

Dermatoplasty in traumatic osteomyelitis of the leg and foot [with summary in English in insert]. A. K. Tyshinskina. Ortop., travm. i protez. 23 no. 11:56-58 N '62.

EXTRUSION (METALS)

New technological process for the manufacture of teeth for heavy and medium harrows. Kuz.-shtam. proizv. 5 no. 4:47-48 Ap '63.
Sokolov, N. A. [Hot extrusion] Goriachaya shtampovka vydvizhivaniem. Moskva, TSINTIMASH, 1961, 50 p.
Using the method of rotary extrusion in thinning cylindrical shell walls. G. S. Rakoshits. Avt. prom. 29 no. 5:44 My '63.

EXTRUSION (PLASTICS)

Designing extrusion heads. E. E. Glukhov, G. A. Poliakova. Plast. massy no. 4:50-54 '63.

EYE—DISEASES AND DEFECTS

Changes of the fundus oculi in hypertension during adolescence. L. S. Baiterakova. Trudy MONKI no. 5:103-108 '62.

EYE—OPTICAL PROPERTIES

Quantum threshold of the sensitivity of the eye. V. K. Kagan. Svetotekhnika 9 no. 3:7-11 Mr '63.

EYE—SURGERY

Our experience in the preoperative preparation of glaucoma patients. T. I. A. Kasymov, E. P. Arkhangeli'skaia. Med. zhur. Uzb. no. 8:52-55 Ag '62.

EYE—SYPHILIS

Pathology of the organ of vision in experimental syphilis in rabbits. O. G. Levochenko, S. Sh. Saipov. Med. zhur. Uzb. no. 8:45-49 Ag '62.

EYE—WOUNDS AND INJURIES

Agricultural eye injuries and their prevention. A. B. Libenson. Kaz. med. zhur. no. 5:86 S-O '62.

EYEBRIGHT

Hypotenuse effect of eyebright in an experiment and in a clinical study. N. I. A. Usupova. Trudy MONKI no. 5:132-141 '62.

EYEGLASSES see Spectacles

FABIANI, HENRI

Henri Fabiani tells his story. Sov. foto 23 no. 2:25 Mr '63.

FABLES

Phaedrus. [Fables] Basni, Izd. podgotovil M. L. Gasparov. Moskva, Izd-vo Akad. nauk SSSR, 1962, 261 p. (Akademika nauk SSSR. Literaturnye pamiatniki) (NN)

FACADES

Methods of finishing the surface of cellular concrete exterior slabs. L. Laletina. Arkh. SSSR no. 4:35-37 '63.

FACE

New method of registering and evaluating the contracting capacity of the mimetic and chewing musculature. N. E. Kavorova. Stomatologia 41 no. 5:73-77 S-O '62.

FACE—WOUNDS AND INJURIES

Case of a severe trauma of the maxillofacial region. V. I. Vyrishchak. Stomatologia 41 no. 5:94-95 S-O '62.
Duration of the treatment, the results, and late sequelae of 490 cases of maxillofacial bone fractures. A. F. Rubezhanskii. Stomatologia 41 no. 5:60-64 S-O '62.

FACIAL VEIN—DISEASES

Thrombophlebitis of the facial veins. O. M. Omboeva. Stomatologia 41 no. 5:38-40 S-O '62.

FACTORIES—DESIGN AND CONSTRUCTION

Redesigning a silicelcile plant for the production of precast elements for large-panel housing construction. N. I. Vasil'ev. Stroi. mat. 9 no. 3:21-23 Mr '63.
State Institute for the Design and Planning of Meat Industry Plants works on standard projects. P. Boldyrev, V. Markov. Mias. ind. SSSR 33 [i. e. 34] no. 2:11-12 '63.

FACTORIES—MAINTENANCE AND REPAIR

Analyzing industrial enterprise reports on capital repairs of fixed assets. S. Chernikov. Den. i kred. 21 no. 4:62-72 Ap '63.

FACTORIES—VENTILATION

Trota, N. D. [Assembly of industrial ventilation systems] Montazh promyshlennoi ventilatsii. Moskva, Gosstroizdat, 1963, 228 p.

FACTORY LAWS AND LEGISLATION

Basic sources of V. I. Lenin's pamphlet "The new factory law" and his methods of scholarly analysis. B. N. Kazantsev. Vop. ist. 38 no. 4:102-108 Ap '63.

FACTORY LIBRARIES

The library and the factory newspaper. T. Vvedonskii. Bibliotekar' no. 2:12-13 F '63.

FACTORY MANAGEMENT

How the principle of one-man management of an enterprise should be understood. N. Il'enko. Polt. samobor. 7 no. 3:64-67 Mr '63.

FAIRS

Pavlov, K. A. [International fairs and exhibitions] Mezhdunarodnye iarmarki i vystavki. Moskva, Vneshtorgizdat, 1962, 137 p.

FALCONET, ETIENNE MAURICE, 1716-1781

"Milo of Crotona" by E. M. Falconet. Z. Malsulevich. Iskustvo 25 no. 12:64-67 '62.

FALCONS see subdivision under Moscow

FALLING STARS see Meteors

FANS, ELECTRIC

Automatic device for turning on and off the motors of an exhaust fan. I. A. S. Liubinskii, G. K. Runets. Prom. energ. 18 no. 4:6-7 Ap '63.
Decrease in the expenditure of electric power in the exhaust fans of boilers. A. V. Lushin. Teploenergetika 10 no. 3:56-58 Mr '63.

FANS, ELECTRIC—TESTING see subdivision under Chelyabinsk Basin

FANS, MECHANICAL

Veselov, A. I. [Design of mine fans] Konstruktsii shakhtnykh ventilatorov. [Sverdlovsk] Sverdlovskii gornyi in-t im. V. V. Vakhursheva, 1962, 59 p. [MICROFILM]

FAR EAST—SALMON

Using intravital staining of the young of Pacific salmon for their censusing. V. I. A. Levandov. Izv. TINRO 48:205-207 '62.

FAR EAST, SOVIET see Soviet Far East

FARM BUILDINGS

(see also subdivision under Ukraine)
Build first of all for collective farms. V. Chapiyts'kiy. Stii, bud. 12 no. 5:18-19 My '62.

- FARM BUILDINGS—COSTS**
(see also subdivision under Kirov Province)
How to calculate the cost of adapting standard designs to local conditions. M. Pad'ko, SU, bud, 12 no. 5:21-22 My '62.
- FARM BUILDINGS—DESIGN AND CONSTRUCTION**
In the State Institute for the Design of Agricultural Structures, Bul. stol. tekhn. 20 no. 4:42-45 Ap '63.
- FARM BUILDINGS—FIRES AND FIRE PREVENTION**
see subdivision under Ukraine
- FARM BUILDINGS—HEATING AND VENTILATION**
Electric heating of the floor of pens for mother cows. V. Kuznetsov, Tekh. v sel'khoz. 23 no. 1:36-37 Ja '63.
Ventilation of livestock buildings. V. Zakharchenko, A. Khamayn, SU, bud, 12 no. 5:7-9 My '62.
- FARM EQUIPMENT** see subdivision under Uzbekistan
- FARM LIFE IN LITERATURE**
Bread and books. Lidia Fomenko. Mol. komm. no. 11: 121-127 N '62.
- FARM MANAGEMENT**
(see also subdivision under Krasnoyarsk Territory; Novosibirsk)
The economist of an agricultural enterprise and his work plan. A. Esin, Ekon. sel'khoz. 34 no. 3:35-41 Mr '63.
Young land managers. V. Vasilenko, Komsom. zhizn' no. 6:29-31 Mr '63.
- FARM MECHANIZATION**
(see also subdivision under Altai Territory; Bryansk Province; Dal'neye Konstantinovo District; Klintsepp District, Leningrad Province; Kuban; Moscow Province; Ukraine; Uzbekistan; Virgin Territory; Zaporozh'ye Province; Zhashkov District)
All mechanizers should share the experiences of the skilled. Agitator no. 8:36-38 My '63.
For rural machine operators. A. Kanaev, Sov. prof-soyuzy 19 no. 7:30-31 Ap '63.
Important problems in the perfecting of the technological basis of agriculture. M. Gorlachkin, A. Emet'yanov, Polit. samobor. 7 no. 3:20-28 Mr '63.
Labor productivity where comprehensive mechanization of sugar beet production is in effect. L. S. Loktev, Dokl. TSKhA no. 68:65-74 '61.
Let us put into practice the decisions of the 22nd Congress of the CPSU. V. Krivosheev, Tekh. v sel'khoz. 23 no. 1:4-7 Ja '63.
Our interviews. B. Kashuba and others. Sel'. mekh. no. 1:4-5, 20, 23, 30 Ja '63.
They worked well. O. F. Okhrimenko. Mekh. sl'. hosp. 14 no. 2:30 F '63.
Tikhonov, V. A. [Economics and the organization of the utilization of machinery on collective farms] Ekonomika i organizatsiya ispol'zovaniya tekhniki v kol'khozakh. Moskva, Sel'khozizdat, 1963, 261 p.
- FARM MECHANIZATION—AUDITING AND INSPECTION**
see subdivision under Kurgan Province
- FARM MECHANIZATION—HYGIENIC ASPECTS**
Advice to machine operators. M. Bol'shov. Okhr. truda i sots. strakh. 6 no. 3:32 Mr '63.
Tasks of rural trade-union organizations. I. F. Shkuratov, Okhr. truda i sots. strakh. no. 4:6-7 Ap '63.
- FARM MECHANIZATION—STUDY AND TEACHING**
(see also subdivision under Khmel'nitskiy Province; Ukraine; Virgin Territory)
Teaching students to drive a combine. M. K. Balin. Shkola i proizv. 7 no. 2:22-25 F '63.
Training of machine operators for agriculture. I. G. Kitaev. Sov. pedagog. 27 no. 4:24-30 Ap '63.
We are training students for work. N. Mokliak, T. Svinchenko. Shkola i proizv. 7 no. 4:28 Ap '63.
- FARM PRODUCE—MARKETING**
Produce trade of collective farms during the large-scale building of communism. I. A. Linichuk. Komm. Ukr. 38 no. 3:26-34 Mr '63.
- FARMS—VALUATION** see subdivision under Irkutsk Province; Kazakhstan
- FASCISM**
(see also subdivision under Argentina; Great Britain)
Henri, Ernst. [Does neofascism have a future? Est' li budushchee u neofashizma?] Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962, 175 p.
- FASHION**
Fashions. Rab. i slai. 39 no. 2:24 F '63.
Fashions for you! L. Vasil'eva. Smena 38 no. 12:28-29 Je '62.
The latest fashions of the spring season. Ukraina no. 7: 27 Ap '63.
- FASTENINGS**
Calculating joints with a guaranteed tightness taking into consideration the dispersion of shaft and hole dimensions. P. F. Dunaev, A. N. Kolomeets. Vest. mashinostr. 43 no. 4:31-34 Ap '63.
- Rigidity and precision of large-sized wooden clamps. I. P. Vaganov. Izv. tekhn. no. 3:7-9 Mr '63.
- FAT**
Effect of vitamin D on the activity of blood and bone alkaline phosphatase in albino rats on diets with various fat content [with summary in English]. K. K. Golikov. Ukr. biokhim. zhur. 34 no. 5:750-757 '62.
Physicochemical characteristics of sheep fat dependent upon its location in the carcass and the season. N. Nakonechnyi. Mias. ind. SSSR 33 [i. e. 34] no. 2: 25 '63.
- FATIGUE TESTING MACHINES—STANDARDS**
Methods for determining the ultimate strength (fatigue) of metals. G. T. Ivanov. Standartizatsiya 27 no. 2: 22-24 F '63.
- FATTY ACIDS** see Acids, Fatty
- FAULTS (GEOLOGY)** see subdivision under Duryat A. S. S. R.; Emba region; Soviet Far East
- FEATHERS**
Determining the age of birds from the length of oar feathers. O. V. Mitropol'skii. Ornitologiya no. 4:416-417 '62.
Molt and migration of birds. A. V. Mikheev. Ornitologiya no. 4:336-347 '62.
- FECES—ANALYSIS**
Survivability of syntomycin-resistant dysenterial bacteria in fecal masses. E. G. Nabiev. Kaz. med. zhur. no. 5:47-50 S-O '62.
- FEDERAL GOVERNMENT**
Soviet autonomous republics and the surviving traces of nationalism. M. S. Dzhusov. Ist. SSSR 7 no. 1:3-21 Ja-F '63.
- FEDOROV, EVGRAF STEPANOVICH, 1853-1919**
Revolutionary and sociopolitical work of Academician E. S. Fedorov. E. R. Ol'khovskii. Ist. zap. no. 72:217-228 '62.
- FEDOROV, IVAN, d. 1683**
Fedorov, the first printer of Russian books. Rab. i slai. 39 no. 4:20 Ap '63.
- FEED GRINDERS**
(see also subdivision under Ukraine)
Remodeling the IOK-30 crusher. O. Zlochevskii. Tekh. v sel'khoz. 23 no. 1:89 Ja '63.
- FEED MECHANISMS**
Design of a feeder with an electric vibrator of high amplitude. I. M. Farnakovskii. Obog. rud 7 no. 2:34-38 '62.
Feed magazine with hydraulic control for feeding pipes and rods into machine tools. V. B. Surovezhin. Mashinostroitel' no. 3:16-17 Mr '63.
Kasper, M. A. [Mechanization of the conveying and feeding of parts by means of vibratory devices] Mekhanizatsiya transportirovki i zagruзки detalei vibratsionnymi ustroistvami. Minsk, Gos. izd-vo BSSR, 1962, 76 p.
- Ruvinov, D. Ia.** [Automatic feed of centerless grinding machines] Avtomaticheskaya zagruzka bescentrovoshifoval'nykh stankov. Moskva, Mashgiz, 1963, 103 p.
Shortcomings in the performance of electrovibration feeders and methods to remove them. A. I. Makarov, A. S. Zhigulev. Obog. rud 7 no. 3:56-59 '62.
Using table feed mechanisms for fastening billets in devices for milling. N. V. Lukashov. Nauch. trudy Tul. gor. inst. no. 3:176-180 '61.
- FEED MILLS**
New equipment. Mashinostroitel' no. 3:18 Mr '63.
- FEED WATER**
Automatic system for feeding phosphate into the feed water of boilers. A. I. Chistiakov, L. A. Khuyin. Energetik 11 no. 3:10-11 Mr '63.
Problem concerning the mechanism of the transition of electrolytes dissolved in boiler feed water to high-pressure water vapor. I. Kh. Khaibullin, N. M. Borisov. Teploenergetika 10 no. 3:12-18 Mr '63.
- FEED WATER PURIFICATION**
Characteristics of industrial wastes from enterprises using past water as feed water. K. K. Lebedev. Sbor. trud. TSNIKHI no. 14:94-97 '61.
Improvement of the separators of the BKZ-50-39F boiler. R. I. Pomirchii. Energetik 11 no. 3:7-8 Mr '63.
New method for cleaning milk of lime and mixing it in a hydraulic mixer. G. V. Matskevich, I. U. A. Vanchagov. Elek. sta. 34 no. 2:40-42 F '63.
Practice of using anion exchangers in the desalting system of electric power plants. F. G. Prokhorov, A. M. Prokhorova. Teploenergetika 10 no. 3:2-8 Mr '63.
A pressureless salt dissolver. D. M. Pakhmanov. Prom. energ. 18 no. 1:20-21 Ja '63.
- FEED-WATER REGULATION—MAINTENANCE AND REPAIR**
Adjustment of boiler feed regulators. A. V. Iakovlev. Bul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:75-81 '62.
- FEEDBACK (ELECTRONICS)**
Nonrecurrent feedback. A. I. A. Markov. Probl. kh. i s. 169-166 '62.
- FEEDING—EQUIPMENT AND SUPPLIES**
Improved design of the PTU-10K feed distributor. P. I. Kozel. Mekh. sl'. hosp. 14 no. 1:25-28 Ja '63.
Universal feed distributor. F. Dmitriev, N. Krasnortsekov. Tekh. v sel'khoz. 23 no. 1:34-35 Ja '63.
- FEEDS**
(see also subdivision under Latvia; Ukraine; United States)
Increasing production of feeds and the intensification of agriculture. S. S. Shain, Zemledello 25 no. 1:33-35 Ja '63.
Liberman, S. G., V. P. Petrovskii, and K. D. Sinitsh. [Recent development in the technology of the production of dry livestock feeds] Novoe v tekhnologii proizvodstva sukhikh zhivotnykh kormov. Moskva, Tsent. in-t nauchno-tekhn. informatsii plishchevoi promyshl., 1962, 40 p.
[DNAL MICROFILM]
Manufacture of feed yeasts based on peat hydrolyzates. Kh. I. Rikhsan, N. V. Zinina, S. A. Gavrilenko. Tsel. prom. 40 no. 3:24-26 '63.
Shain, S. S. [Feed production without grassland crop rotation] Kormoproizvodstvo bez travopokosa. Moskva, Izd-vo "Znanie," 1963, 56 p. (Narodnyi universitet kul'tury; Sotskoldizhiznennyi inkul'tet, no. 3)
[What is new in the feeding of farm animals; translations and surveys of foreign periodical literature] Nov. v korm. sel'khoz. zhiv. 4 '62. (DNAL)
- FEEDS—ANALYSIS**
Mityuk, V. Yu. [Trace elements in the feeds of farm animals] Mikroelementy v hodivl'i sel'skokhoz. s'knykh tyarin. Kyiv, Derzh. vyd-vo sel'skokhoz. s'kol'it-ry Ukrainy kol' RSU, 1962, 183 p. (DNAL)
- FEEDS—COMPOSITION** see subdivision under Krasnoyarsk Territory
- FEINBERG, SAMUIL EVGEN'EVICH, 1890-1962**
In memory of Feinberg. V. Natanson. Sov. muz. 11 no. 1:89-92 Ja '63.
- FELDSPAR** see subdivision under Bosh-Tau
- FELT**
Mortvishchev, I. I. [Use of synthetic fibers in the felt industry] Ispol'zovanie iskusstvennykh volokna v valil'no-voilochnoi promyshlennosti. Moskva, Rostekhlizdat, 1963, 115 p.
- FEMUR—FRACTURE**
Eleven-year data on hip fractures from a hospital surgical clinic. M. K. Khadzhi-Muradov. Zh. trav. Turk. 7 no. 2:23-24 F '63.
Rational treatment of fractures of the femoral neck in elderly and senile persons. I. V. Kirnichanskii. Trudy Kish. gos. med. inst. 12:81-86 '60.
- FENCING**
Movement technique of a fencer. I. G. Lofman. Tsel. i prak. fiz. kul't. 28 no. 4:60-72 Ap '63.
- FENNOSCANDIA—GLACIAL EPOCH**
Special features of the history of recent glaciation in the northernmost part of Fennoscandia. A. D. Armand, M. N. Armand, A. A. Nikonov. Izv. AN SSSR. Ser. geog. no. 1: 55-60 Mr-Ap '63.
- FEODOSIYA—HEALTH RESORTS, WATERING PLACES, ETC.**
Who needs this "commercialism"? I. Khokhlachev. Okhr. truda i sots. strakh. 6 no. 3:28 Mr '63.
- FEODOSIYA—WORLD WAR, 1939-1945—ART AND THE WAR**
Rescuing the treasures of the Aivazovskii Gallery. V. Astakhova. Iskusstvo 25 no. 12:70 '62.
- FERGANA—CORONARY VESSELS—DISEASES**
Some characteristics of the geographical distribution and clinical course of atherosclerosis of the coronary vessels in the hot climate of the Fergana Valley [with summary in English]. M. Ia. Laufer. Kardiologiya 1 no. 3:64-70 My-Je '62.
- FERGANA—PETROLEUM—ANALYSIS**
Classification of Fergana oils. F. Z. Sagidova, I. S. Starobinets. Uzb. khim. zhur. 7 no. 1:66-69 '63.
- FERGANA—PETROLEUM—REFINING**
Fuel trains are rolling. A. Maffiant. Uzbekiston 11 no. 11:14 N '62.
- FERGANA—POLYMERS**
Demand is great, but what about supply...? N. Osler-Volkov. Nar. khoz. Uzb. 5 no. 2:21-22 F '63.

FERGANA—RAILROADS

Socioeconomic significance of the construction of the Fergana Railroad in Turkistan. I. Gafurdzhanova, Obshchestv. nauki v Uz. 7 no. 3:33-38 '63.

FERMENTATION

Effect of air on the change in fermenting characteristics of acetone butylic bacteria. A. I. Karpov, Vsesyuzh. Khim. Prom. no. 1, Ser. biol. no. 2:80-94 '58.

Effect of ferments obtained from mold fungi on some vegetable proteins and carbohydrates. G. I. Kozlovskiy, Z. M. Novikova, Z. M. Aksionova, Khar. prom. no. 1: 53-56 Ja-Mr '63.

Phylogenesis of anaerobic cellulose bacteria. Part I: Fermentation of cellulose and potato mash by thermophilic anaerobic cellulose bacteria. H. O. Nikitin, Vsesyuzh. Khim. Prom. no. 2, Ser. biol. no. 1:107-112 '59.

Use of thermophilic ferments in the making of ripened cream butter on a continuous production line. M. T. Lutsikova, O. L. Protchenko, Khar. prom. no. 1:27-30 Ja-Mr '63.

FERMENTATION—EQUIPMENT AND SUPPLIES

Mechanized feeding of formalin. A. A. Nechiporenko, E. T. Keletnikov, Spirt. prom. 29 no. 3:18-21 '63.

Mechanized washing of fermentation tanks. S. P. Kolesov, IU. I. Zolotov, Spirt. prom. 29 no. 3:24-28 '63.

FERMI SURFACES

Surface effects in infrared optics. R. N. Gurzhi, M. I. Azbel', Khao Bai Lin' [Hao Bai Lin], Fiz. tver. tela 5 no. 3:759-768 Mr '63.

Theory of Fermi-fluids [with summary in English]. B. T. Gelikman, Zhur. eksp. i teor. fiz. 44 no. 4:1340-1348 Ap '63.

FERNÉ, FOSSIL see subdivision under Ural Mountains

FERRIC HYDRATES see Iron hydroxides

FERRITES (MAGNETIC MATERIALS)

Calculation of ferromagnetic fields using a finite difference technique. M. Kotai, Izv. vys. ucheb. zav. i elektromekh. 6 no. 2:143-157 '63.

Effect of spin-phonon interaction on one-quantum scattering of slow neutrons in ferrites. V. N. Kashcheev, Fiz. tver. tela 5 no. 3:800-820 Mr '63.

Effect of spin-spin interaction on slow neutron scattering in ferrites. V. N. Kashcheev, Fiz. tver. tela 5 no. 3: 865-871 Mr '63.

Effect of the phase constitution on the magnetic properties of magnesium-manganese ferrites with a rectangular hysteresis loop. V. N. Bogoslovskii and others, Fiz. met. i metalloved. 15 no. 2:181-186 F '63.

Electric properties of nickel-zinc ferrites. A. G. Rustamov, A. A. Samokhvalov, I. G. Fakidov, Fiz. tver. tela 5 no. 4:1031-1030 Ap '63.

Investigating the temperature dependence of the susceptibility of strontium and lead ferrites above the Curie point. A. S. Borobik, IU. A. Mamalut, Fiz. met. i metalloved. 15 no. 2:300-302 F '63.

FERROCENE

Exchange of ligands in ferrocene. A. N. Nosmianov, N. A. Vol'kenau, I. N. Bolesova, Dokl. AN SSSR 149 no. 3:615-618 Mr '63.

Polymers with the system of conjugated bonds and heteroatoms in the conjugation chain. Part 26: Polyzaphenylenoterrones [with summary in English]. A. A. Berlin, B. I. Liogon'ki, V. P. Parin, Vysokom. soed. 5 no. 3:330-337 Mr '63.

FERROELECTRIC SUBSTANCES

Effect of hydrostatic pressure on the polymorphic transition point of the antiferroelectric Pb_2MgWO_6 . I. N. Polandov, Fiz. tver. tela 5 no. 4:1147-1149 Ap '63.

Experimental criterion of ferroelectricity. S. V. Bogdanov, Fiz. tver. tela 5 no. 3:811-818 Mr '63.

Nonlinearity of dielectric polarization and ferroelectric properties of metals. S. V. Bogdanov, Fiz. tver. tela 5 no. 3:807-810 Mr '63.

Theory of domainless, nonuniform, spontaneous polarization of ferroelectric plates near the Curie point. L. P. Kholodenko, Fiz. tver. tela 5 no. 3:897-908 Mr '63.

Theory of polarization and hysteresis of ferroelectric substances. A. V. Turik, Fiz. tver. tela 5 no. 4:1213-1215 Ap '63.

FERROMAGNETIC RESONANCE

Noise of magnetized ferrites. I. A. Derugin, N. I. Lishenko, Fiz. tver. tela 5 no. 4:1117-1125 Ap '63.

FERROMAGNETISM

Low-temperature expansions in the theory of ferromagnetism. S. V. Tiablikov, Dokl. AN SSSR 149 no. 3:573-576 Mr '63.

Method of Green's functions in the theory of ferromagnetism. IU. A. Izumov, Fiz. tver. tela 5 no. 3:717-723 Mr '63.

Ordering of ferromagnetic alloys with a face-centered cubic lattice. V. M. Danilenko, D. R. Ryzdviantskii, A. A. Smirnov, Fiz. met. i metalloved. 15 no. 2:194-202 F '63.

Relaxation processes in antiferromagnetics with a spiral structure. V. G. Bar'jakhtar, M. A. Savchenko, Fiz. tver. tela 5 no. 4:1158-1166 Ap '63.

Superconductivity in an inhomogeneous ferromagnetic material. S. V. Vonsovskii, M. S. Svirskii, Fiz. met. i metalloved. 15 no. 2:316-318 F '63.

FERROMANGANESE—METALLURGY

Seminar on the study of progressive practices in the making of ferromanganese. D. P. Sherie, Met. i gornorud. prom. no. 1:80-81 Ja-F '63.

FERROSILICON—METALLURGY

Technical and economic indices of making 75-percent ferrosilicon with use of coke briquets. V. F. Goncharov, T. A. Otrashchenko, Met. i gornorud. prom. no. 1: 35-37 Ja-F '63.

FERTILIZATION (BIOLOGY)

Repeated use of male tussah moths for fertilization and rest periods of males between matings. A. V. Bobach, Vsesyuzh. Khim. Prom. no. 1, Ser. biol. no. 2:151-157 '63.

FERTILIZER INDUSTRY

(see also subdivision under Ukraine)
Developing the production of mineral fertilizers. A. M. Lomov, TSvet. met. 38 no. 4:65-68 Ap '63.

FERTILIZER SPREADERS

Modifying the RPTM-2 farm manure spreader for mineral fertilizers. M. Sergeev, A. Repetov, V. Iungkind, Tekh. v sel'khoz. 23 no. 1:77-79 Ja '63.

FERTILIZERS AND MANURES

(see also subdivision under Uzbekistan)

All-Union conference on the production and application of fertilizers with a peat base. G. D. Gorbunovich, V. A. Nikiforov, Torf. prom. 40 no. 3:26-33 '63.

Effect of fertilizers on the absorption of some microelements by plants. L. S. Travnikova, Nauch. dokl. vys. shkoly: biol. nauk no. 2:192-195 '63.

Efficacy of peat-mineral-ammonia fertilizers with various concentration. V. A. Alekseeva, Torf. prom. 40 no. 3:26-28 '63.

Lisenko, T. D. [Soil nutrition of plants as a basic problem in the science of agriculture] Hruntovo zhyvleniia roslin - korinne pytanniia nauky zemlerobstva. Pereklad z 3. dop. roslin'koho vyd. Kyiv, Dorzhnill' hospvydav URSS, 1963. 206 p. (DNAL)

Mixed liquid fertilizers obtained by the nitric acid treatment of phosphates. M. N. Nablav, U. Ibragimova, Uzb. khim. zhur. 7 no. 1:5-14 '63.

Polymicrofertilizers made of wastes from zinc-white production. V. A. Berezin, Biol. tekhn. - ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform. no. 3:57-59 '63.

Production of peat mineral nitrogen fertilizers under the conditions prevailing in state and collective farms. V. I. Lashnev, Torf. prom. 40 no. 2:25-28 '63.

Utilization of white pigment and sewage waters of the Dmitriyevsk Wood Chemical Plant. V. V. Pofilov, I. P. Chistov, V. N. Bogoyavlenskaya, Sbor. trud. TSNIKHI no. 14:60-73 '61.

FERTILIZERS AND MANURES—CONGRESSES

Interuniversity Scientific Conference of Departments of the Technology of Inorganic Substances devoted to the development of new methods of the production of mineral fertilizers. V. L. Varshavskii, Zhur. VKHO 8 no. 2:221-222 '63.

FERULA see subdivision under Kyzyl Kum

FETUS

On the digestive enzymes of the placenta and the digestive organs of sheep fetuses. L. T. Kapralova, Dokl. AN SSSR 148 no. 4:985-988 F '63.

FETUS—DISEASES

Inclusion cytomegaly (its role in fetal and neonatal pathology). V. I. TSareva, Kaz. med. zhur. no. 5:74-81 S-O '62.

FIBER GLASS see Glass fibers

FIBER GLASS REINFORCED PLASTICS see Glass reinforced plastics

FIBERBOARD

Kozenko, A. B., A. K. Zontov, and V. S. Koptsov, [Automated continuous production line for the manufacture of fiberboards] Avtomatizirovannaya potochnaya liniia dlia proizvodstva fibrolytovykh plit. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatывaushchei promyshl., 1962. 68 p. [MICROFILM]

Still waste is a valuable mineralizer for the production of cement fiberboard. I. L. Mak, D. D. Katanov, Stroi. mat. 9 no. 3:15-17 Mr '63.

FIBERS

Triapkin, A. I. [Production and reclaiming of wiping materials] Vyrabotka i regeneratsiia oblirochnykh materialov. Moskva, Gosmestpromizdat, 1962. 145 p.

FIBULA (ARCHAEOLOGY) see subdivision under Nymphaem

FIELD, CYRUS WEST, 1819-1892

Submarine monument. V. Vladimirov, Ogonek 41 no. 15:28 Ap '63.

FIELD CROPS

(see also subdivision under Kirghizistan; Kirovograd Province; Siberia, Eastern; Ukraine)

Krupenina, A. P., and V. G. Lozhakov, [Soil and postharvest crops] Zemlia i promezhutochnye kul'tury. Pod red. S. A. Vorob'eva. Moskva, Izd-vo "Znanie," 1963. 46 p. (Narodnyi universitet kul'tury: Sel'skokhoziaistvennyi fakul'tet, no. 4)

Results of first experiments with gibberellin. A. N. Bugakova, N. Lysenko, Trudy Kras. SKHI 3 no. 1:248-252 '50.

FIELD CROPS—FERTILIZERS AND MANURES

(see also subdivision under Tarashcha District; United States)

"Fertilizing field crops" by V. Golubev and B. Chizhov, Zemledelie 25 no. 1:88 Ja '63.

Organic-mineral granulated fertilizers increase crop yields. M. B. Krutikov, Zemledelie 25 no. 1:74-75 Ja '63.

FIELD MICE

Variations in the structure of teeth of the field mouse Microtus arvalis Pall. M. D. Martynova, Nauch. dokl. vys. shkoly: biol. nauki no. 2:53-57 '63.

FIELD THEORY

Geometry of the dynamics of nonholonomic systems and its applications. M. O. Kil'chevskiy, Prikl. mekh. 9 no. 3:233-237 '63.

Lee's model. F. A. Berezin, Mat. sbor. 60 no. 4:425-446 Ap '63.

Properties of shifts of p-space of constant curvature [with summary in English]. IU. A. Gol'fand, Zhur. eksp. i teor. fiz. 44 no. 4:1248-1261 Ap '63.

FIELDS, ALGEBRAIC

Goldbach-Euler's problem for an imaginary quadratic field. M. I. Tullaganova, Izv. AN Uz. SSR, Ser. fiz. - mat. nauk 7 no. 1:11-17 '63.

Number of divisors in an angle. Lai Dyk Tkhin'. Dokl. AN SSSR 149 no. 3:513-515 Mr '63.

On p-extensions with a single critical number. G. N. Markshaltis, Izv. AN SSSR, Ser. mat. 27 no. 2:463-466 Mr-Ap '63.

Postnikov, M. M. [Galois theory] Teoriia Galua.

Moskva, Fizmatgiz, 1963. 218 p.

Zhelev, A. I. Vladimir Damianovich Figel'skii, Tashkent, Gosizdat UzSSR, 1962. 57 p.

FIGHTING see Fencing

FILATOV, VLADIMIR PETROVICH, 1875-1958

Azarov, V. B. [The return of happiness] Vozvrashchenie shchast'ia. Moskva, Gos. izd-vo polit. lit-ry, 1961. 70 p. (Gerol i podvig) (RFB)

FILMS (CHEMISTRY)

Influence of the method of processing on the properties of polypropylene films. G. A. Ermilova, Plast. massy no. 4:72-74 '63.

FILMSTRIPS

Filmstrips on V. I. Lenin. V. Launberg, Nar. obr. no. 4: 78 Ap '63.

Motion pictures and filmstrips in education. N. Z. Urlik, Nach. shkola 31 no. 2:60-62 F '63.

Sample list of motion pictures and filmstrips. Nach. shkola 31 no. 2:62-63 F '63.

FILTER PRESSES

Use of hydraulic clamps of plate and frame filter presses for crushing and pressing operations. E. I. Tiurin, V. N. Kuznetsov, Khim. mashinostr. no. 2:40 Mr-Ap '63.

FILTERS AND FILTRATION

Continuous line filter for the separation of distiller's grain from the stillage. M. P. Kulakov, Spirt. prom. 28 no. 3:42-43 '63.

Effect of fine filtration of the MC-20 aviation oil in its performance characteristics. A. R. Kosiakin, Khim. i tekhn. topl. i masel 8 no. 3:65-67 Mr '63.

LV-100C rubberized leaf filter. S. G. Airapetov, Khim. mashinostr. no. 2:3-4 Mr-Ap '63.

Metal-ceramic filters. B. F. Sibirskiy, E. I. Pavlovskaya, Khim. prom. no. 3:232-235 Mr '63.

Method of separating an equilibrium solution from a powder prior to absorption measurements. V. G. Kasatkina, M. A. Elgeles, Min. syr'ie no. 5:122-137 '62.

Nature of secondary processes in the filtration of aerosols. Report No. 1: Simplest theory of coprecipitation of particles in a filter and colmatation kinetics. L. V. Radushkevich, Izv. AN SSSR, Otd. khim. nauk no. 3 407-414 Mr '63.

Nonwoven glued filter materials. E. T. Usatnova, V. N. Nebarov, K. V. Rybakov, Tekst. prom. no. 2:65-68 F '63.

Rustproof ribbed ceramic filter. V. V. Shimanovskii, Gidr. i mel. 15 no. 2:28-38 F '63.

Self-cleaning oil filter. A. P. Morozov, A. I. Ipatenko, Biol. tekhn. - ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:60-63 '62.

Work of rapid-filter layers. F. B. Abutaliev, V. B. Klenov, Izv. AN Uz. SSR, Ser. tekhn. nauk 7 no. 2:34-40 '63.

- FILTERS AND FILTRATION—ELECTRIC DRIVING**
Efficient circuit for the control of the electric driving of filter presses. G. M. Shnitsler, Sakh. prom. 37 no. 3:49(209)-50(210) Mr '63.
- FINANCE**
(see also subdivision under Kalinin Province; Tartu; Vasil'yevskiy District, Zaporozh'ye Province)
Improve bank control through the ruble. M. Zotov. Den. kred. 21 no. 4:3-11 Ap '63.
Improve the work of financial organs constantly. Fin. SSSR 37 no. 3:3-7 Mr '63.
Improving further economic and control work is the main thing. I. Fadeev. Fin. SSSR 37 no. 4:3-14 Ap '63.
Kartamyshev, N. B. [Intraplant business accounting] Vnutrizavodskoi khoz'iatatvennyi raschet. Tashkent, Gos. izd-vo UzSSR, 1962. 32 p.
Problems in further developing and strengthening business accounting in industry. S. Tatur. Vop. ekon. no. 4:53-63 Ap '63.
Replies to the editor. Fin. SSSR 37 no. 4:78 Ap '63.
Several financial problems in the organization of firms. M. Alekseenko, A. Zaitsev, M. Skorodumov. Fin. SSSR 37 no. 4:44-48 Ap '63.
There is a need for control over the use of funds for acquiring equipment. M. Krasnikov. Fin. SSSR 37 no. 4:58-70 Ap '63.
Third Plenum of the Central Committee of the Government Workers Trade Union. N. Isent'ev. Fin. SSSR 37 Mr '63.
- FINANCIAL EMPLOYEES** see subdivision under Moscow
- FINANCIAL STATEMENTS** see subdivision under United States
- FINES (PENALTIES)**
New laws and regulations enacted by the ministries and governmental agencies of the U.S.S.R. and the Union Republics. Sots. zakon. 39 no. 7:80-81 Ji '62.
We should improve the law on administrative fines. O. Akuba. Rad. pravo no. 3:82-86 My-Je '62.
- FINISHES AND FINISHING**
Ehn, G. E. [Synthetic materials in the finishing of buildings] Sinteticheskie materialy v otdelke zdaniy. Minsk, Gos. izd-vo BSSR. Redaktsiya proizvodstvennoi lit-ry, 1962. 44 p.
[MICROFILM]
Mechanization of the finishing of ceiling surfaces (undersides) of hollow floor slabs. P. K. Balat'ev, I. A. L. Kaplanskii. Mekh. stroi. 20 no. 4:4-8 Ap '63.
Methods of finishing the surface of cellular concrete exterior slabs. L. Laetina. Arkhit. SSSR no. 4:35-37 '63.
- FINISHES AND FINISHING—CATALOGS**
Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut novykh stroitel'nykh materialov. [Catalog of finishing materials and articles] Katalog otdelochnykh materialov i izdelii. Pod red. M. P. Makotinskogo. [Moskva] Gosstroizdat. Pt. 1. [Plastics; polymer finishing materials and articles] Plastmassy; polimernye otdelochnye materialy i izdelia. 1962. 119 p.
- FINISHES AND FINISHING—STANDARDS**
"Finishing coatings (paints, varnishes, wallpaper)." Bui. stroi. tekhn. 20 no. 3:16-17 Mr '63.
- FINLAND—FOREIGN RELATIONS—RUSSIA**
Friendly relations between our countries. Ukraina no. 6: 4 Mr '63.
Wonderful example for the whole world. Ogonek 41 no. 15:7 Ap '63.
- FINLAND—HISTORY**
Petrov, V. [Finland in the plans of the imperialist powers from 1918 to 1920] Finlandia v planakh imperialisticheskikh derzhav v 1918-1920 godakh. Petrozavodsk, Gos. izd-vo Karelskoi ASSR, 1961. 71 p. (CSK-H)
- FINLAND—SOCIALIST PARTY**
The Social Democratic Party of Finland. I. Rozdorozhnyi. Mir. ekon. i mezhdunar. otn. no. 4:127-131 '63.
- FINLAND—THEATER**
In the land of a thousand lakes. B. Zlobin. Teatr 24 no. 4:158-159 Ap '63.
- FINLAND—WAGES—WOMEN**
Wages for working women in Finland. Keritu Vainio. Vsem. prof. dvizh. no. 4:34-36 Ap '63.
- FINLAND, GULF OF—HYDROGRAPHIC SURVEYING**
Four on an ice floe. Z. Taratynova. Ogonek 41 no. 15: 17 Ap '63.
- FINNISH LANGUAGE—CASE**
One type of word with particle paradigm of declension in the Finnish language. Z. M. Dubrovina. Uch. zap. LGU no. 314:38-55 '62.
- FINNO-UGRIAN LANGUAGES**
Dmitrii Vladimirovich Bubrikh as a scholar of the Finno-Ugric languages. Z. M. Dubrovina. Uch. zap. LGU no. 314:5-18 '62.
- FIR** see subdivision under Sakhalin
- FIRE ALARMS**
Iuzhakov's fire alarm system. A. Turanov. Pozh. delo 9 no. 4:26 Ap '63.
- FIRE DEPARTMENTS**
(see also subdivision under Moscow)
Be prepared for fire fighting. Pozh. delo 9 no. 3:1-2 Mr '63.
- FIRE DEPARTMENTS—EQUIPMENT AND SUPPLIES**
Improved hose reel. L. Rybail'chenko. Pozh. delo 9 no. 4:25 Ap '63.
Water tank truck ATs-30(130)-63. V. Vasil'ev, G. Voronin, A. Mechev. Pozh. delo 9 no. 4:24 Ap '63.
- FIRE ENGINES**
(see also subdivision under Priluki)
Trailer UP-400. B. Martirosov. Pozh. delo 9 no. 4:25 Ap '63.
Your attention, comrades! V. Semenov and others. Pozh. delo 9 no. 3:25 Mr '63.
- FIRE EXTINCTION**
Behind the figures are people. N. Antokhin. Pozh. delo 9 no. 3:3-4 Mr '63.
Everyday routine of volunteer firemen. V. Butzunov and others. Pozh. delo 9 no. 3:6 Mr '63.
- FIRE INVESTIGATION**
We should insist on the technical investigation of each fire. A. Vlashchenko. Rad. pravo no. 2:115-116 Mr-Apr '63.
- FIRE PREVENTION**
Answering queries. Pozh. delo 9 no. 3:31 Mr '63.
In the difficult year of 1920... V. Semenov. Pozh. delo 9 no. 4:3-4 Ap '63.
Marching in joint labor formation. Pozh. delo 9 no. 4:2 Ap '63.
Readers' letters. Pozh. delo 9 no. 3:30 Mr '63.
Volkov, O. M., and L. L. Prikhod'ko. [Fire prevention measures in the operation of electronic calculating machines] Pozharnaya profilaktika pri ekspluatatsii elektronnykh vychislitel'nykh mashin. Moskva, Izd-vo M-vo kommun. khoz. RSFSR, 1962. 60 p.
- FIRE PREVENTION—INSPECTION**
Inspector and organizer. A. Mukeev. Pozh. delo 9 no. 3:7-9 Mr '63.
- FIRE PREVENTION—RESEARCH**
Progressive unit. N. Obukhova. Pozh. delo 9 no. 4:17 Ap '63.
- FIRE PREVENTION—STUDY AND TEACHING**
New film produced by the Gorky Motion Picture Studio. Pozh. delo 9 no. 3:32 Mr '63.
They were different people when they came back from training... P. Votrin. Pozh. delo 9 no. 3:13 Mr '63.
- FIRECLAY** see subdivision under Kuznetsk Basin
- FIREMEN**
(see also subdivision under Azerbaijan)
About good people. P. Mikhailik and others. Pozh. delo 9 no. 3:29 Mr '63.
Flaming front line. O. Knorring. Ogonek 41 no. 10:22-23 Ap '63.
Force of motion. Pozh. delo 9 no. 3:19 Mr '63.
In every phase of life. N. Shechablov. Pozh. delo 9 no. 4:16 Ap '63.
People and years. Pozh. delo 9 no. 4:4, 12, 13, etc. Ap '63.
Right-flank men. M. Gusev. Pozh. delo 9 no. 4:5-6 Ap '63.
Shoulder to shoulder. I. Kosykh. Pozh. delo 9 no. 4:16 Ap '63.
- FIREMEN—EDUCATION AND TRAINING** see subdivision under Moscow
- FIRE**
Fifty minutes. M. Gusev. Pozh. delo 9 no. 3:17 Mr '63.
- FIRST AID IN ILLNESS AND INJURY**
Seminar on the problems of organizing medical first aid. N. L. Turupanov. Zdrav. Ros. Feder. 7 no. 4:47-48 Ap '63.
- FIRST OF MAY** see May Day (Labor holiday)
- FISH (ON RELIGION, FOLKLORE, ETC.)**
Stories of "sacred" plants and animals. VS. Krovishchev. Nauka i rel. 4 no. 2:19 F '63.
- FISH, CANNED**
(see also subdivision under Belgorod-Dnestrovskiy)
Changes in vegetable oil during the searing of fish. M. I. Komarnitskii. Ryb. khoz. 39 no. 4:78-80 '63.
Drying by hot air instead of searing fish before canning. G. Kushtalov, B. Akinova. Ryb. khoz. 39 no. 2:84-87 '63.
New types of canned gobies and anchovies. A. Kiagina. Ryb. khoz. 39 no. 4:68-74 '63.
- FISH, FROZEN**
Electronic defrosters made in England. N. N. Rymitskiy. Ryb. khoz. 39 no. 4:87-91 '63.
- FISH, SMOKED**
Chemical characteristics of smoked and liquid-smoked herring. A. I. Iuditskaya, T. M. Lebedeva. Ryb. khoz. 39 no. 2:78-84 '63.
- FISH AS FEED**
Effect of feeding smelt and adding vitamin B₁₂ to the rations on the state of the puppies of silver foxes and the utilization of proteins by them. L. A. Shest'akov. Trudy Kras. SKH 3 no. 1:164-173 '60.
- FISH CULTURE**
(see also subdivision under Don Valley; Toploye Lake region)
Duration of the incubation period in the development of fall-spawning chum salmon eggs incubated on frames and in the ground. A. M. Kol'gaev. Izv. TINRO 43:191-200 '62.
Fish toxins and their future use in undesirable fish control. E. V. Burmakin. Izv. GosNIORKH 47 no. 2:3-14 '68.
Incubation of the eggs of fall-spawning Amur chum salmon in the ground. A. M. Kol'gaev, A. P. Ivanova. Izv. TINRO 40:200-210 '62.
Mass raising of young salmon up to the seaward migration stage at accelerated rates. E. M. Malikova, N. I. Kotova. Ryb. khoz. 39 no. 2:36-43 '63.
Tannin as a means of protecting the membranes of the eggs of fall-spawning chum salmon. A. M. Kol'gaev. Izv. TINRO 40:210-212 '62.
- FISH PONDS**
"Oxygen content of fishponds in intensive carp culture" by G. I. Shpet, M. B. Feldman. Reviewed by V. I. Iashin. Ryb. khoz. 39 no. 4:95 '63.
- FISH POPULATIONS**
Some elementary principles of the ecological foundations of the theory of fishing. V. S. Ivlev. Izv. GosNIORKH 47 no. 2:27-40 '68.
- FISH PROCESSING PLANTS**
Standard designs for food processing establishments. A. P. Krestov, V. D. Chumakov. Ryb. khoz. 39 no. 2: 73-76 '63.
- FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES**
(see also subdivision under Great Britain; Moscow)
Complete mechanization and automation of the fishing industry as an immediate task. A. A. Izhkov. Ryb. khoz. 39 no. 2:3-9 '63.
ERN-200 electric fish pumping unit. Ryb. khoz. 39 no. 4:93-94 '63.
- FISH TAGGING**
Using intravital staining of the young of Pacific salmon for their censusing. V. I. A. Levandov. Izv. TINRO 40:206-207 '62.
- FISHERIES**
(see also subdivision under Dzhambul Province; Indian Ocean; Kaliningrad; Kharkov region; Kuybyshev Reservoir; Tsimlyansk Reservoir; Zaporozh'ye)
More promising areas for the fishing industry based on data from oceanographic studies. D. I. Borenbeim, A. N. Probatov. Okeanologiya 3 no. 2:308-312 '63.
- FISHERIES—BIBLIOGRAPHY** see Bibliography—Fisheries
- FISHERIES—HYGIENIC ASPECTS** see subdivision under Zavyalova Island
- FISHERIES—LABOR PRODUCTIVITY** see subdivision under Vladivostok
- FISHERIES—RESEARCH** see subdivision under Kamchatka; Tsimlyansk Reservoir
- FISHERY PRODUCTS**
Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoz'iatstva i okeanografii. [Collection of abstracts of scientific works of the All-Union Scientific Research Institute of Maritime Fisheries and Oceanography; technology and mechanization] Sbornik annotatsii nauchnykh rabot VNIRO; tekhnologiya i mekhanizatsiya. Moskva, Rybnoe khoz'iatstvo, 1961. 48 p.
- FISHERY PRODUCTS—ANALYSIS**
Free-boundary electrophoresis of fish proteins. A. K. Kaminskaya. Ryb. khoz. 39 no. 4:75-77 '63.
- FISHERY PRODUCTS—PRESERVATION**
Expand the use of refrigeration in the fishing industry. Ryb. khoz. 39 no. 4:3-6 '63.
Search for efficient ways of processing frozen Atlantic crustaceans, lobsters and prawns. V. F. Erl. Trudy Ascherniro no. 20:62-63 '62.
Use of deep-sea water for preserving the fish catch in fisheries. I. G. Ruban. Khar. prom. no. 1:68-70 Ju. Mr '63.
- FISHES** see subdivision under Amur River; Amur Valley; Tsimlyansk Reservoir

FISHES—EGGS

(see also subdivision under Kakhovka Reservoir)
Adenosinetriphosphatase and some other enzymes of phosphorus metabolism in the homogenates and extracts of fish eggs [with summary in English]. N. M. Abrosimova, R. I. Tatarskaya, Biokhimiia 28 no. 1: 125-136 Ja-F '63.

FISHES—FOOD

(see also subdivision under Daghestan; Donetsk Province; Dubossary Reservoir; Kakhovka Reservoir; Kiev Province; Teploye Lake region; Tsimlyansk Reservoir)

Materials on the fertility of Gammarus (Rivulogammarus) pulex L. in bodies of water of the Ukraine. A. M. Abrosimova, Vlyny Kyiv, un. no. 1. Ser. biol. no. 2:147-150 '58.

FISHES—PARASITES see Parasites—Fishes

FISHES—PHYSIOLOGY

On the classification of sexual cycles in bony fishes. O. B. Chernyshov, Vlyny Kyiv, un. no. 1. Ser. biol. no. 2:123-126 '58.

FISHES—TRANSPORTATION

Transportation of Coregonus peled Gmelin at the stage of two-week old larvae. V. M. Bazylevych, O. M. Porokhons'ka, Vlyny Kyiv, un. no. 2. Ser. biol. no. 1: 145-147 '59.

FISHING—EQUIPMENT AND SUPPLIES

(see also subdivision under Tsimlyansk Reservoir)
Complete mechanization and automation of the fishing industry as an immediate task. A. A. Ishkov, Ryb. khoz. 39 no. 2:3-9 '63.

Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut morenogo rybnogo khozaistva i okeanografii, [Collection of abstracts of scientific works of the All-Union Scientific Research Institute of Maritime Fisheries and Oceanography; technology and mechanization] Sbornik annotatsii nauchnykh rabot VNIRO; tekhnologiya i mekhanizatsiya. Moskva, Rybnoe khozaistvo, 1962. 49 p.

Saury fishing with a pump using light and electric current. I. V. Nikonov, A. Kh. Pateev, Ryb. khoz. 39 no. 2:51-53 '63.

Synthetic materials for the fishing equipment. V. V. Borishchev, Ryb. khoz. 39 no. 2:63-67 '63.

FISHING BOATS

Korshunov, L. P. [Power systems of fishing trawlers] Energeticheskie ustanovki rybolovnykh trawlerov. Leningrad, Sudpromgiz, 1963. 295 p.

Method of eliminating the overheating of diesels under overload. I. N. Nigmatulin, V. A. Tsenev, Ryb. khoz. 39 no. 2:44-50 '63.

FISHING NETS

Machine-knit fishing nets. K. Natkarski, Tekst. prom. 23 no. 4:60-63 Ap '63.

Selectivity of parts of the wings of a haul seine. L. I. Denisov, Ryb. khoz. 39 no. 4:53-55 '63.

FISHPONDS see subdivision under Voskresensk District

FISTULA, BILIARY

Diagnosis of choledochoduodenal fistula. I. A. I. Pushchev, Klin. khir. no. 5:80-81 My '62.

FLAME

Role played by flame in the mechanism of gunpowder combustion. A. G. Merzhanov, A. K. Filonenko, Izv. AN SSSR, Otd. khim. nauk no. 3:566-582 Mr '63.

FLAME PHOTOMETRY

Atomic-absorption determination of mercury by flame photometry [with summary in English]. N. S. Poluektov, R. A. Vitkova, Zhur. anal. khim. 18 no. 1:37-42 Ja '63.

FLANGES—STANDARDS

Standard draft for flanges. P. M. Tarasenko, Standartizatsiya 27 no. 3:37-38 Mr '63.

FLATFISHES see subdivision under Arctic Ocean

FLAVONES

A day's dynamics of catechols and flavones in a tea plant. K. M. Dzhenukladze, G. A. Buzun, M. N. Nestiuk, Biokhim. chain. proizv. no. 9:15-19 '62.

Quantitative and qualitative changes in the flavone substances of tea plants. M. S. Ulianova, Biokhim. chain. proizv. no. 9:7-14 '62.

FLAX

(see also subdivision under Orsha District)

Determining the degree of fiber parallelizing in the course of flax spinning operations. V. M. Gurusov, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:72-79 '63.

Effect of the retted flax moisture during its processing on the quality of long fibers. V. P. Blagoveshchenski, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:48-52 '63.

FLAX—DISEASE AND PEST RESISTANCE

Flax varieties and hybrids resistant to Polyspora and methods for their detection. I. A. P. Zharkov, Zashch. rast. ot vred. i bol. 6 no. 11:42-43 N '61.

FLAX—DRYING see subdivision under Volyn' Province

FLAX PROCESSING MACHINERY

Dependence of the percentage of fiber yield from the machine upon the number of actions and the speed of the movement of the beater blades in flax scutching. N. N. Suslov, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:39-48 '63.

Feeding of scutching wastes to the shaker without the use of cyclones. I. N. Levitski, Tekst. prom. no. 2:8-13 F '63.

"Flax card" by I. U. P. P. Reviewed by I. A. Osetrov. Tekst. prom. no. 2:90-91 F '63.

LMN-1 flax pick-up and thrasher. M. A. Aleksandrov, Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:55-57 '63.

A station for flax breaking and scutching on a collective farm. V. Tolstikov, Tekhn. v sel'khoz. 23 no. 1:17-21 Ja '63.

FLEAS AS CARRIERS OF DISEASE see subdivision under Kara Kum Canal region

FLIER, IAKOV VLADIMIROVICH, 1912-

Romantic talent. K. Adzhemov. Sov. muz. 27 no. 3: 63-66 Mr '63.

FLIES

Functions of the housefly intestine prior to the onset of feeding. D. P. Zhuzhikov, Nauch. dokl. vys. shkoly; biol. nauki no. 2:23-27 '63.

FLIES—EXTERMINATION see subdivision under Ashkhabad

FLIGHT TRAINING

We dream of the sky. M. Lebedinski, Kryl. rod. 14 no. 2:17 F '63.

Winged elite of the communist youth. Grazhd. sv. 20 no. 1:12-13 Ja '63.

FLOATING DOCKS

Underwater television on a floating dock. I. A. Barshai, Blul. tekhn. -ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 6:68-74 '62.

FLOOR COVERINGS

Decorative floor coverings. M. Abramian, Sov. radio i tel. 12 no. 1:34-35 Ja '63.

FLOORS—STANDARDS

"Floors; regulations for construction and inspection." Blul. stroit. tekhn. 20 no. 4:20-21 Ap '63.

FLOORS, CONCRETE—TESTING

Testing a reinforced concrete floor above ground level with compressed air. M. I. U. Karchemskii, Bel. i zhel. -bel. 9 no. 3:142-143 Mr '63.

FLORICULTURE

Information bureau of young naturalists. S. Apanovich, IUn. nat. no. 3:19 Mr '63.

FLOTATION

(see also subdivision under Canada; Dobropol'ye)
Depression of zinc blends during the flotation of complex metal ores. I. N. Shorsher, Obog. rud 7 no. 2: 17-18 '62.

Effect of calcium and iron cations on the flotation of beryl and bismite with a cation collector. K. A. Razumov, Sin Vei-chihun [Hsing Wei-chung], N. A. I. Anis. Obog. rud 7 no. 3:3-5 '62.

English edition of V. I. Klassens's and V. A. Morosov's book "Introduction to the Flotation Theory." TSvet. met. 36 no. 4:93 Ap '63.

Flotation of pyrite with the use of smoke gases. L. D. Kisilakov, V. A. Bocharov, G. I. Arzhannikov, TSvet. met. 36 no. 4:22-26 Ap '63.

Mineralization of air bubbles in the flotation machine. M. A. Elgeles, L. A. Grakulova, Obog. rud 7 no. 2:6-11 '62.

New coal-flotation reagent. M. I. A. Bel'chikov, V. M. Nazarenko, Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:17-19 '63.

Ore flotation with use of higher xanthates. S. I. Gorlovskii and others. Obog. rud 7 no. 3:5-12 '62.

FLOTATION—EQUIPMENT AND SUPPLIES

Activator and depressant action of sodium silicate in the flotation of nonsulfide ores. L. M. Chernyi, Obog. rud 7 no. 4:16-22 '62.

Air pump for the collapse of flotation frothes. B. M. Iakota, Obog. rud 7 no. 8:41 '62.

Dimensional series of flotation machines. N. D. Makovskii, A. G. Reiner, Obog. rud. 7 no. 4:37-38 '62.

FE-4 flotation machine. Ugol' Ukr. 7 no. 4:3 of cover Ap '63.

Industrial testing of an ejector-type flotation machine for the flotation of ores. V. I. Klassens and others. TSvet. met. 36 no. 4:7-13 Ap '63.

FLOTATION—WATER SUPPLY

Use of a recirculating water supply in the flotation of copper-nickel ores. I. I. Vanev and others. Obog. rud 7 no. 5:25-29 '62.

FLOUR AND FEED TRADE—ACCOUNTING see subdivision under Armavir; Orenburg

FLOUR MILLS see subdivision under Bukovina; Gomel; Santiago de Cuba

FLOUR MILLS—MANAGEMENT

Improve the organization of the management of flour milling enterprises. D. Gavrichenkov, Muk. -elev. prom. 29 no. 1:7-9 Ja '63.

FLOUR MILLS—VENTILATION see subdivision under Moscow

FLOW OF WATER see Hydraulics

FLOWERING OF PLANTS see Plants, Flowering of

FLOWERS see subdivision under Dzhezkazgan; Karaganda

FLOWMETERS

Device for the automatic control of molten sulfur flow. I. D. Gencharenko, I. A. T. Dub, V. L. Shkurchenko, Priborostroyeniye no. 4:30-31 Ap '63.

FLUID DYNAMICS

Analysis of a system for regulating the motion of a dust and coal mixture for a special case of a semiempirical theory of such motion. Trudy MIIT no. 139:55-66 '61.

Critical thermal loads and heat emission during forced motion of water in pipes in the region of supercritical pressures (175-220 atm.). A. P. Ornatski, Teploenergetika 10 no. 3:66-68 Mr '63.

Experimental study of the turbulent heating of a boundary layer in the motion of a gas in axisymmetrical diffusers with cooled walls. P. N. Romanenko, A. I. Leont'ev, Trudy MIIT no. 139:134-159 '61.

Flow in canals with outflow and inflow through the walls. I. S. Kochenov, Trudy MIIT no. 139:155-162 '61.

Heat exchange between a jet and a plate in a normal plane to the flow. P. M. Brdlik, G. E. Verevchkin, V. A. Smirnov, Trudy MIIT no. 139:182-192 '61.

Heat transfer of a cylinder in the presence of transverse flow about it and harmonically varying speed. I. P. Pelyushchenko, D. F. Simbirskii, Teploenergetika 10 no. 3:62-68 Mr '63.

Laws governing the motion of a liquid under pressure in circular pipes. A. V. Teplov, Trudy MIIT no. 139: 72-78 '61.

Outflow of a fluid or gas, moving along a plane through a hole in this plane. G. V. Makhortykh, Prom. aerodin. no. 23:232-239 '62.

Steady-state flow of air and water in a siphon. G. I. A. Gligberia, Trudy inst. energ. AN Gruz. SSR 16:163-192 '62.

Theory of the flow of two-phase media in the space between heaters (pipe stills). D. F. Faizullayev, O. N. Markabulov, Izv. AN Uz. SSR, Ser. tekhn. nauk 7 no. 2:27-33 '63.

Unidimensional turbulent flow of a liquid in a perforated cylindrical pipe. Sh. N. Kvintadze, Trudy inst. energ. AN Gruz. SSR 16:213-218 '62.

FLUID MECHANICS—STUDY AND TEACHING

Exposition of the law of Archimedes. K. A. Laputin, Fiz. v shkole 23 no. 1:86 Ja-F '63.

FLUIDIZATION

Comment on the article by A. F. Shornikova and B. S. Kurdaev "Industrial testing of the SVS-25 separator with dressing in a fluidized bed." V. I. Korshunov, Ugol' 38 no. 4:62 Ap '63.

Dehydrogenation of cyclohexene and hydrogenation of benzene in a fluidized bed of an alumina-palladium catalyst. Kh. M. Minachev, V. I. Garanin, Izv. AN SSSR, Otd. khim. nauk no. 3:529-531 Mr '63.

Experimental testing of fabric drying in a fluidized heat carrier. V. D. Gvozdev, I. U. V. Bubnov, L. V. Krylova, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:133-141 '63.

FLUIDS—MEASUREMENT

Petrov, A. I., and V. T. Drozhak. [Techniques of measuring the pressure and consumption of fluids and gas] Tekhnika izmereniia davlenii i raskhodov zhidkosti i gaza. 2, dop. i perer. izd. Moskva, Gostoptekhzdat, 1963. 240 p.

FLUORGERMANATES

Fluogermanates in the systems of the Me₂GeF₄ - HF - H₂O type. I. I. Tyshinskii, N. S. Nikolaev, Zhur. neorg. khim. 8 no. 3:734-737 Mr '63.

FLUORESCENCE

Fluorescence of organic compounds. L. D. Melikadze, Trudy Inst. khim. AN Gruz. SSR 16:31-60 '62.

Transfer of electron excitation energy in viscous solutions of organic substances. E. A. Andreevich and others. Izv. AN SSSR, Ser. fiz. 27 no. 4:533-539 Ap '63.

FLUORESCENCE MICROSCOPY

Fluorescence microscopy of damaged corneal epithelium. I. I. Orlova, Dokl. AN SSSR 148 no. 4:870-872 F '63.

Use of fluorescence microscopy for the detection of virus inclusions in influenza [with summary in English]. T. I. A. Ljarskaja, E. S. Ketiladze, N. N. Zhilina, Sov. med. 28 no. 1:60-65 Ja '63.

- FLUORESCENT LAMPS**
Design of a choke for fluorescent lamps. I. I. Rjabov. *Energetik* 11 no. 3:25-26 Mr '63.
- A gas-discharge lamp with nonlinear inductive ballast. A. E. Krasnopol'skii. *Svetotekhnika* 9 no. 3:22-28 Mr '63.
- Review of the chapter titled "Brightness control of fluorescent lamps" of K. G. Shurim's book "Start regulating equipment and networks for connecting fluorescent lamps." I. N. Oskolkov, and others. *Svetotekhnika* 9 no. 2:28-30 F '63.
- The SKZPL-3x80 fluorescent light fixture. *Svetotekhnika* 8 no. 3:32 Mr '63.
- FLUORESCENT LIGHTING**
Review of the chapter titled "Brightness control of fluorescent lamps" of K. G. Shurim's book "Start regulating equipment and networks for connecting fluorescent lamps." I. N. Oskolkov, and others. *Svetotekhnika* 9 no. 2:29-30 F '63.
- FLUORIMETER**
Ultrahigh-frequency phase fluorimeter. S. V. Volkov, L. A. Limareva, V. I. Shirokov. *Izv. AN SSSR. Ser. fiz.* 27 no. 4:558-561 Ap '63.
- FLUORIMETRY**
Some characteristics of the fluorescence of vapors of complex molecules. N. A. Borisovich. *Izv. AN SSSR. Ser. fiz.* 27 no. 4:562-568 Ap '63.
- FLUORINATION**
Preparation of fluorinated α -nitrocarboxylic acids. I. V. Martynov, I. U. L. Kruglak. *Zhur. V KHO* 8 no. 2:237 '63.
- FLUORITE**
Calculation of the probability of nonradiative transition for the Sm^{2+} ion in fluorite. B. Z. Malkin. *Fiz. tver. tela* 5 no. 4:1062-1066 Ap '63.
- FLUOROPLAST**
Fluoroplast bushings. V. N. Finogenov, I. U. V. Podshibla-kin, M. K. Smol'tanov. *Mashinostroitel'* no. 3:35 Mr '63.
- Study of the operation of stuffing-box seals of fluoroplast 4 under high pressure. A. M. Zavolko. *Khim. mashinost.* no. 2:17-20 Mr-Ap '63.
- FLUX (METALLURGY)**
Easily pulverized complex alloys as hard facing materials. I. G. Noskov. *Avtom. svar.* 16 no. 4:71-72 Ap '63.
- FLY ASH**
Retreatment of converter dusts with the recovery of phenol. L. I. Zelenskaya, R. A. Baimukanova. *TSvet. mel.* 36 no. 4:83-84 Ap '63.
- FLYCATCHERS** see subdivision under Talas Ala-Tau
- FOAM**
Investigation into the phenomena occurring on the surface of sparkling wines after the discontinuance of airtightness in the system wine - CO_2 . A. A. Merzhanian. *Trudy KIPP* no. 22:61-67 '61.
- State of the system wine - CO_2 after discontinuance of airtightness. A. A. Merzhanian. *Trudy KIPP* no. 22: 27-60 '61.
- FODDER BEET** see Mangel-wurzel
- FOLDS (GEOLOGY)**
(see also subdivision under Karelia)
Geology, and oil and gas potentials of anticlinal folds in the Aktyubinsk region. K. A. Li. *Trudy Inst. nefti AN Kazakh. SSSR* 4:73-79 '61.
- Gravity characteristics of fan-shaped structures. A. V. Volin. *Sov. geol.* 6 no. 2:34-44 F '63.
- New buried anticlinal zone in the Kuban. V. I. Korneev. *Geol. nefti i gaza* 7 no. 3:32-35 Mr '63.
- FOLEX**
Effect of the cotton defoliant fox on the organism of experimental animals. R. I. Danilova, N. I. Smetanin. *Med. zhur. Uzb.* no. 8:33-36 Ag '62.
- FOLIC ACID**
Folic acid and vitamin B12 treatment of children with nutritional anemia. R. I. Enikeeva. *Kaz. med. zhur.* no. 5:39-40 S-O '62.
- FOLK ART**
Our folk art and the clothing industry. N. Koroleva. *Meat. prom. i khud. promy.* 4 no. 3:19-21 Mr '63.
- FOLK ART, HUCUL** see subdivision under Kosov (Stanislav Province)
- FOLK MUSIC, CHILEAN**
Violeta Parra; rhythms, songs, colors. Maria Luisa Vicentini. *Zhen. mira* no. 1:21-24 '63.
- FOLK MUSIC, CHINESE**
Some information on Chinese folk music and musical instruments. M. M. Mykhailov. *Nar. tvorch. ta etn.* 6 no. 4:108-112 O-D '62.
- FOLK POETRY**
Folk poetry and present-day literature. V. N. Knecher. *Nar. tvorch. ta etn.* 6 no. 4:18-22 O-D '62.
- FOLK POETRY, UKRAINIAN**
Theoretical problems of Soviet folk poetry. A. M. Kin'ko. *Nar. tvorch. ta etn.* 6 no. 3:11-17 O-D '62.
- FOLK SONGS**
(see also subdivision under Grin'ki; Krasnodar Territory)
I have a friend. A. Medvedev. *Smena* 39 no. 23:14-15 D '62.
- FOLK SONGS—HISTORY AND CRITICISM**
Popova, T. V. [Russian folk music] *Russkoe narodnoe muzychal'noe tvorchestvo*, Izd. 2., perer. Moskva, Muzgiz. Vol. 1. 1962. 383 p.
- FOLK SONGS, UKRAINIAN**
(see also subdivision under Bukovina)
M. V. Lysenko as collector of folk songs. Z. I. Vasylenko. *Nar. tvorch. ta etn.* 6 no. 4:50-55 O-D '62.
- Musical folklore and amateur art activities. L. I. Ashchenko. *Nar. tvorch. ta etn.* 6 no. 4:37-44 O-D '62.
- New Year's songs. *Nar. tvorch. ta etn.* 6 no. 4:120-122 O-D '62.
- FOLK SONGS, SLAVIC—HISTORY AND CRITICISM**
"Intonation ties in the songs of Slavic peoples" by F. Rubisov. Reviewed by I. Zemtsovskii. *Sov. muz.* 27 no. 2:138-140 F '63.
- FOLK SONGS, UZBEK—HISTORY AND CRITICISM**
"Uzbek folk music." Vols. 1-8. Reviewed by A. Dzhabbarov. *Sov. muz.* 27 no. 2:140-141 F '63.
- FOLKLORE** see subdivision under Transcarpathia
- FOLKLORE—CONGRESSES**
Conference on the comprehensive study of folklore. S. Annanurova. *Izv. AN Turk. SSR. Ser. obshchestv. nauk* no. 1:95 '63.
- FOLKLORE—PERIODICALS** see subdivision under Ukraine
- FOLKLORE, BURYAT**
Ulan-Ude. *Buriatskii kompleksnyi nauchno-issledovatel'skii institut. [Soviet literature and folklore of Buryat Mongolia] Sovetskaya literatura i fol'klor Buriatii*. Ulan-Ude. Vol. 1. 1961. (MH)
- FOLKLORE, MOLDAVIAN**
Akademiia nauk Moldavskoi SSR. *Institut lyazyk i literatury. Otdel fol'klora*. [Eternally living spring; popular articles on Moldavian folklore] *Vechno zhitvoi istochnik; sbornik nauchno-populjarnykh statei o moldavskom fol'klore*. Red. kollegii: G. G. Botezatu i dr. Kishinev, Shtiintsa, 1961. 99 p. [In Russian and Moldavian] (MH)
- FOLKLORE, SLAVIC**
I. I. Sreznhevskii's role in the development of inter-Slavic folklore relations. V. M. Skrypka, N. S. Shumada. *Nar. tvorch. ta etn.* 6 no. 4:62-68 O-D '62.
- FOLKLORE, UKRAINIAN**
(see also subdivision under Canada)
Folklore in T. H. Shevchenko's "South-Russian primer." I. U. P. Stupak. *Nar. tvorch. ta etn.* 6 no. 4:61-65 O-D '62.
- Reflection of the Patriotic War of 1812 in Ukrainian folklore. P. D. Pavlii, P. K. Smilan. *Nar. tvorch. ta etn.* 6 no. 4:81-88 O-D '62.
- FOLKLORE AND CHILDREN** see subdivision under Ukraine
- FOLKLORE STUDIES**
"Marxism and Russian folklore studies at the end of the 19th and the beginning of the 20th century" by V. E. Gusev. Reviewed by M. Gol'berg. *Nar. tvorch. ta etn.* 6 no. 4:132-135 O-D '62.
- FOMIN, IVAN ALEKSANDROVICH, 1872-1936**
I. A. Fomin. P. Kornilov. *Stroitel' arkhitekt. Len.* 25 no. 4: 27-20 Ap '63.
- FONTANA, GIOVANNI**
Drawings for the painting "Martyrdom of Saint Theodore" from the Scuola di San Teodoro in Venice. L. Salmina. *Sob. Gos. Erm.* no. 23:38-40 '62.
- FOOD, CONCENTRATED**
Manufacture of wheat-and-corn flour mixes for pancakes. E. G. Gorun, A. P. Maslennikova. *Kons. i ov. prom.* 18 no. 5:24 My '63.
- FOOD ADULTERATION AND INSPECTION**
Lovacheva, G. N., and others. [Technical and chemical inspection in public eating facilities] *Tekhnokhimičeskii kontrol' v predpriyatiakh obshchestvennogo pitaniia*. Pod red. D. I. Lobanova. Moskva, Gostorgizdat, 1962. 165 p.
- FOOD HABITS**
How much does each one of them eat? *N. Kuzn.* no. 3:8-9 Mr '63.
- FOOD INDUSTRY**
(see also subdivision under Ukraine)
Moscow. *Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti*. [Use of isotope methods for control in the food industry] *Izotopnye metody kontrolia v pishchevoi promyshlennosti*. Moskva, 1962. 48 p. (MICROFILM)
- Production on a large scale for public eating. A. Ivanov. *Obshchestv. pit.* no. 1:5-6 Ja '63.
- Restaurant with a store of semi-processed and frozen food products. A. Anikeenko, A. Lest. *Obshchestv. pit.* no. 4:1-43 Ja '63.
- FOOD INDUSTRY—EQUIPMENT AND SUPPLIES** see subdivision under Lvov Province
- FOOD INDUSTRY—PRODUCTION STANDARDS**
"Establishing technical work norms in the dairy industry" by N. I. A. Kallita. *Izvestiya* 214 no. 1. Min. ind. SSSR 33 [i. e. 34] no. 2:152 '63.
- FOOD MACHINERY**
Increasing the reliability and lengthening the life of food machinery. I. A. V. Golovko. *Mashinost.* no. 1:60 Ja-Mr '63.
- Tombov, N. I. [Centrifuges for the food industry] *Tsentrifugi pishchevoi promyshlennosti*. M. M. Mshgiz, 1962. 222 p.
- FOOD MACHINERY—ABSTRACTS**
[Food machinery manufacture] *Ref. zhur. Mashinost. shinostr.* no. 5 My '63.
- FOOD MACHINERY—DESIGN AND CONSTRUCTION**
Strakhov, V. V., and others. [Modern equipment for making creamery butter] *Sovremennye mashiny dlia proizvodstva silvochnogo masla*. Moskva, 1962. 55 p. (TSINTIMASH. Seriya IX: Proektirovanie mashinostroenie) (MICROFILM)
- FOOD MACHINERY—SAFETY APPLIANCES**
Guards for the VO-150 pressure rollers. *Mashinost.* no. 1:56 '63.
- FOOD MACHINERY—TECHNOLOGICAL INNOVATIONS**
Inventions in the field of food industry. *Nauka i prom.* 7 no. 4:47 Ap '63.
- FOOD MACHINERY—TESTING**
Moscow. *Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti*. [Testing of equipment for the manufacture of sausage] *Ispytanie novogo oborudovaniia kolbasnogo proizvodstva*. Moskva, 1962. 87 p. (MICROFILM)
- FOOD RESEARCH**
(see also subdivision under Armenia; Kazan)
Conference for discussing the new physical methods in the processing of food products. *Sob. Gos. Erm.* 21 no. 77(237)-78(238) Mr '63.
- Experimentation shop of the "Order of Lenin" Union Combine in Moscow. E. Gol'dman. *Mina. i shinostr.* 33 [i. e. 34] no. 2:14-15 '63.
- Make the work of the Scientific and Technical Center of the Food Industry conform to the requirements of new tasks. P. M. Reizin. *Spi. i prom.* 24 no. 7 '63.
- Science Day. E. Gaevoi, I. Gusev. *Mina. i shinostr.* 33 [i. e. 34] no. 2:17-18 '63.
- FOOD SUPPLY**
Declare war on hunger! *Stefi Baken Seme. Shinostr.* no. 1:15-20 '63.
- FOOT-AND-MOUTH DISEASE**
Resistance of the foot-and-mouth disease and swine viruses to desiccation by the pulverization method [with summary in English]. E. E. Nikitin, A. G. Kozlov, V. A. Sergeev. *Vop. virus.* 7 no. 8:11-13 '62.
- FORAGE PLANTS** see subdivision under Yenisei Valley
- FORAMINIFERA, FOSSIL**
(see also subdivision under Kopet-Dag; Nakhichevan A.S.S.R.; Timan Ridge; Ural Mountains; West Siberian Plain)
Second colloquium on Mal'kov Foraminifera. A. B. Bogdanovich, D. M. Rauzer-Chernousova. *Paleont. i strat.* no. 1:140-147 '63.
- FOREIGN EXCHANGE**
Byatov, F. P. [Foreign exchange provisions in international trade transactions] *Valiutnye usloviiia v mezhduнародnoi torgovle*. Moskva, Vneshtorgizdat, 1963. 154 p.
- Information on foreign exchange and banks abroad. *Den. i kred.* 21 no. 4:83-82 Ap '63.

FORENSIC PSYCHIATRY

- Acute infectious psychoses in forensic psychiatric practice. L. P. Golitsina. *Prak. sudebnopsikh. ekspert.* no. 5:21-28 '61.
- Alcoholic intoxication and its legal evaluation. I. A. M. Katashnik. *Probl. sud. psikh.* no. 12:25-32 '62.
- Clinical aspects and forensic psychiatric evaluation of protracted alcoholic paranoia. V. V. Anuchin. *Probl. sud. psikh.* no. 12:59-71 '62.
- Clinical aspect of pathological intoxication. V. E. Rozhnov. *Probl. sud. psikh.* no. 12:8-24 '62.
- Course of chronic alcoholism in patients with brain traumas and its forensic psychiatric importance. I. V. Strel'chuk. *Probl. sud. psikh.* no. 12:95-107 '62.
- Diagnosis of pathological alcoholism. A. S. Kiselev. *Prak. sudebnopsikh. ekspert.* no. 5:78-82 '61.
- Forensic psychiatric evaluation of organic disease of the central nervous system with a recurrent course. R. F. Kokanbaeva. *Prak. sudebnopsikh. ekspert.* no. 5:13-20 '61.
- Forensic psychiatric evaluation of the development of paranoid delirium provoked by jealousy. A. F. Moskvicheva. *Prak. sudebnopsikh. ekspert.* no. 5:29-35 '61.
- Notions of jealousy in chronic alcoholism and their forensic psychiatric evaluation. A. F. Moskvicheva. *Probl. sud. psikh.* no. 12:85-94 '62.
- Serious violations of law committed in a state of reactive depression. G. P. Panteleeva. *Prak. sudebnopsikh. ekspert.* no. 5:46-52 '61.
- Some characteristics of forensic-psychiatric expertise on criminal sectorian activity. D. R. Lunts, L. N. Zemskov. *Prak. sudebnopsikh. ekspert.* no. 5:3-12 '61.
- Some difficulties in the diagnosis of simple alcoholic intoxication. A. K. Kachaev. *Prak. sudebnopsikh. ekspert.* no. 5:70-77 '61.
- Survey of the state of forensic-psychiatric expertise and enforced treatment as per data of reports of psychoneurological hospitals and dispensaries for 1959. L. A. Pastushenko, S. V. Torubarov, E. M. Kholodkovskaya. *Prak. sudebnopsikh. ekspert.* no. 5:88-95 '61.

FOREST ECOLOGY

- (see also subdivision under Kokchetav Province; Rumania)
- Forest types in the southern part of the pine strip forests in Kazakhstan; as exemplified by the Kanonerka Forest Working Circle, Pavlodar Province. I. V. Kamenetskaya, A. G. Gae'l. *Trudy Lab. lesoved.* 4:145-167 '62.
- Gorshenin, N. M., and A. I. Butelko. [Determining the types of forest sites] *Opreделение tipov usloviy mesto-proizrastaniya*. Izd. 2, [L'vov] Izd-vo L'vovskogo univ., 1962. 229 p. (DNAL)
- Interrelationship between trees and herbaceous vegetation in isolated pine woods of Kazakhstan. A. G. Gae'l, N. A. Voronkov. *Nauch. dokl. vys. shkoly; biol. nauki* no. 2:131-140 '63.

FOREST INFLUENCES see subdivision under Kirgiz Province

FOREST INSECTS see subdivision under Irtysh Valley

FOREST INSECTS—BIOLOGICAL CONTROL

- Biology of the ground beetle *Calosoma inquisitor* L. and its use for controlling forest pests. M. A. Golosova. *Okhr. priro. i zapov. delo v SSSR* no. 7:66-72 '62.

FOREST INSECTS—EXTERMINATION see subdivision under Ukraine

FOREST INSECTS—PARASITES see Parasites—Forest insects

FOREST MANAGEMENT

- (see also subdivision under Germany, East; Orenburg Province; Tula Province; Voronezh Province)
- Advanced practices in forest drainage. E. D. Sabo. *Les. khoz.* 16 no. 1:27-32 Ja '63.
- Basic ways of technological progress in forest management. I. S. Melokhov. *Les. khoz.* 16 no. 1:2-8 Ja '63.
- Green light to the drive for the preservation of young growth. *Les. khoz.* 16 no. 1:9-10 Ja '63.
- Melekhov, I. S. [Principal yield cuttings] *Rubki glavnogo pol'zovaniya*. Moskva, Goslesbumizdat, 1962. 328 p. (DNAL)
- Povyshenie produktivnosti lesov Zapadnykh i Tsentral'nykh rayonov SSSR. [Increasing the productivity of forests in the western and central regions of the U. S. S. R.] Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniya BSSR, 1962. 280 p. (DNAL)
- FOREST MANAGEMENT—BIBLIOGRAPHY see Bibliography—Forest management
- FOREST PRESERVES see subdivision under Sakhalin
- FOREST PROTECTION (see also subdivision under Crimea; Kama Valley; Volga Valley)
- Forest protection in socialist countries. N. N. Khramtsov. *Les. khoz.* 16 no. 1:46-47 Ja '63.

FOREST REPRODUCTION see subdivision under Kanonerka region; Sverdlovsk Province; Sverdlovsk region; Verkhotur'ye region

FOREST RESERVES see subdivision under Mzhnyaya Salda region

FOREST ROADS

- Dynamic effect of logging track trains on the corduroy trestle cover. L. D. Daragan. *Trudy TSNIIME* no. 36: 49-64 '62.
- Selecting the method for calculating a corduroy trestle cover. L. D. Daragan. *Trudy TSNIIME* no. 36:37-48 '62.

FORESTS AND FORESTRY

- (see also subdivision under Congo; Don Valley; Komi A.S.S.R.; Latvia)
- [Forestry and forest management] *Ref. zhur.*: Lesoved. 1 lesoved. no. 5 My '63.
- Our calendar for 1963. *Les. khoz.* 16 no. 1:94-96 Ja '63.

FORESTS AND FORESTRY—ACCOUNTING see subdivision under Latvia

FORESTS AND FORESTRY—BIBLIOGRAPHY see Bibliography—Forests and forestry

FORESTS AND FORESTRY—ECONOMIC ASPECTS

- Economic process of expanded reproduction in forestry. P. I. Ostrovskii. *Nauch. zap. VLTi* 28:17-29 '62.
- Role of the time factor in determining the effectiveness of artificial forest plantations. P. I. Ostrovskii, A. T. Veretennikov. *Nauch. zap. VLTi* 28:81-86 '62.

FORESTS AND FORESTRY—EQUIPMENT AND SUPPLIES

- Machines and tools in the forest management of foreign countries; abstract. A. I. Novikov. *Les. khoz.* 16 no. 1:86-89 Ja '63.

FORESTS AND FORESTRY—LABOR PRODUCTIVITY

- Theoretical and practical determination of labor productivity in forestry. V. A. Kazakova. *Nauch. zap. VLTi* 28:117-126 '62.

FORESTS AND FORESTRY—VALUATION

- (see also subdivision under Ural Mountain region)
- Economic effectiveness and accuracy of aerial forest valuation from a helicopter. A. D. Dudarev, G. D. Guzev. *Nauch. zap. VLTi* 28:87-87 '62.
- Evaluating the young growth in spruce-fir stands. M. V. Fridina. *Les. khoz.* 16 no. 1:32-33 Ja '63.
- Increase the accuracy in forest management operations. S. V. Belov, G. N. Lavrovskii. *Les. khoz.* 16 no. 1:14-21 Ja '63.
- Rapid method for determining current annual increment by using an electronic apparatus. I. U. P. Kashiro. *Trudy Ural. lesotekh. inst.* no. 17:106-110 '60.
- Relationship between the age of trees and the length of the portion of the stem with pendent branches; including the part of the stem cleared from branches. E. T. Chui-Chulkova. *Trudy Ural. lesotekh. inst.* no. 17:87-89 '60.

FORGERY

- Kashimova, S. Sh. [Determination of the age of a document; practices in criminal investigation] *Opreделение vozrasta dokumenta; iz praktiki kriminalisticheskikh issledovaniy*. Moskva, Gosurizdat, 1958. 78 p. [MICROFILM]

FORGING

- Correcting defects trapped in ingots of heat-resistant alloys during high temperature upsetting. M. V. Rastegaev. *Kuz.-shtam. prozv.* 5 no. 4:18-21 Ap '63.
- Development of high-speed stamping with special machines. V. V. Boltsov, I. K. Bukin-Batyrov, Blul, tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 3:86-90 '63.
- Dimensional accuracy of forgings during free plane sizing on crank presses. B. P. Zverova. *Kuz.-shtam. prozv.* 5 no. 4:1-8 Ap '63.
- Durability of dies for embossing spoons in relief. A. P. Dubinin, A. D. Prokof'ev. *Kuz.-shtam. prozv.* 5 no. 4: 6-9 Ap '63.
- Effect of deformation and wear of the sizing instrument on the accuracy and finish of forging surfaces. I. A. M. Okhrimenko, V. A. Tiurin. *Kuz.-shtam. prozv.* 5 no. 3:1-4 Mr '63.
- For a blacksmith. A. F. Keras, R. P. Ryshko. *Mashinostroitel'* no. 3:46 Mr '63.
- Forging and annealing blanks for dies used in cold upsetting. I. L. Khelfets, A. S. Bogatkov. *Kuz.-shtam. prozv.* 5 no. 4:16-17 Ap '63.
- Friction in upsetting with an effect of hardening. E. M. Tret'yakov. *Kuz.-shtam. prozv.* 5 no. 3:5-10 Mr '63.
- Improved procedure for the manufacture of 1Kh21N5T steel rings. P. K. Teterin, V. P. Luk'yanov, E. N. Karava. *Kuz.-shtam. prozv.* 5 no. 3:13-16 Mr '63.
- Improving and perfecting procedures for the heat treatment and forging of DI-1 steel. V. S. Pakuleva, A. A. Khudenko, A. S. Barikhin. *Stal'* 23 no. 4:358-360 Ap '63.

Korneev, N. I., and I. G. Skugarev, eds. [Precision forging of parts from high-alloy steels and alloys] *Tochnata shtampovka detalei iz vysokolegirovannykh staley i splavov; sbornik statei*. Moskva, Oborongiz, 1963. 128 p.

Litvak, L. K. [Modern methods for drop forging] *Sovremennyye metody goriachei shtampovki*. Moskva, Proftekhizdat, 1963. 193 p.

- Making cylinders by swaging. V. G. Kaporovich. *Kuz.-shtam. prozv.* 5 no. 3:18-22 Mr '63.
- Manufacture of bevel gears for calculating machines by means of cold closed-die forging. A. V. Solov'eva. *Kuz.-shtam. prozv.* 5 no. 3:41-42 Mr '63.
- Press-clamp for forging operations. Sh. Perkis. *Tekhn. v sel'khoz.* 23 no. 1:85 Ja '63.
- Punch forging in power hammer dies. A. S. Kisehehev. *Kuz.-shtam. prozv.* 5 no. 4:46-47 Ap '63.
- Steels for cold extrusion tools and their forging. *Kuz.-shtam. prozv.* 5 no. 4:48-3 of cover Ap '63.

Stokolov, V. E. [Design and installation of the electrical equipment of forging and pressing machines] *Proektirovaniye i montazh elektrooborudovaniya kuznechno-pressovykh mashin*. Moskva, Mashgiz, 1962. 382 p.

Vitolins, O. [Effect of small angles of inclination of the bottom die cavity on the economic accuracy of forged parts and the life of the die] *Vliyanie mal'kikh uglov uklona rabochego otverstiya matritsy na ekonomichnuyu tochnost' shtampovannykh detalei i srok sluzhby shtampa; radioelektronekhnicheskaya i metalloobrabatovayushchaya promyshlennost'*. Riga, Tsentr. biuro tekhn. informatsii, 1962. 15 p.

FORGING—BIBLIOGRAPHY see Bibliography—Forging

FORGING—CONGRESSES

- Seminar on closed die forging. I. U. V. Shukhev. *Kuz.-shtam. prozv.* 5 no. 3:46-48 Mr '63.

FORGING—STANDARDS

- I. F. Bogachev's article "Shortcomings of state standards 7062-54 and 7020-55." M. G. Zlatkin. *Kuz.-shtam. prozv.* 5 no. 4:21-22 Ap '63.
- Precision standards for forgings made of ferrous metals in mass production of capitalist countries. A. I. Nuzov. *Avi. prom.* 28 no. 6:

FORGING MACHINERY

- KSK-1 indicator for the oscillography of hammer operations. I. V. Klimov, K. V. Semenov, L. N. Klushenkov. *Kuz.-shtam. prozv.* 5 no. 4:37-39 Ap '63.

FORGING MACHINERY—STANDARDS

- [Press-forging equipment] *Kuznechno-pressovoe oborudovaniye*. Izd. offtal'noe. Moskva, Standartgiz, 1962. 258 p. (SSSR Gosudarstvennye standarty)

FORMALDEHYDE

- Condensation of 1-methyl-4-acetylnaphthalene with formaldehyde. V. P. Kravets, G. I. Cherveniuk. *Ukr. khim. zhur.* 29 no. 3:318-321 '63.
- Mechanized feeding of formalin. A. A. Nechiporenko, E. T. Kelsinikov. *Spir. prom.* 20 no. 3:16-21 '63.
- "Quenching of gases using the heat of a formaldehyde manufacturing system. K. E. Masal'skii, G. M. Bichuts-kii. *Prom. energ.* 18 no. 1:5-8 Ja '63.

FORMATES—ACOUSTIC PROPERTIES

- Relaxation phenomena in formates. V. M. Kovaleva, V. F. Nozdrev. *Prim. ul'trakust. k issl. veshch.* no. 10:83-90 '62.

FORMAZANS

- Use of formozans in analytical chemistry. Report No. 2: Determination of gallium with N, N'-di-(2-hydroxyphenyl)-C-cyanoformazan [with summary in English]. N. L. Vasil'eva, M. I. Ermakova. *Zhur. anal. khim.* 18 no. 1:43-51 Ja '63.

FORMIC ACID

- Separate potentiometric determination of formic acid, dimethylamine, and dimethylamine formate in dimethylformamide [with summary in English]. I. A. I. Tur'ian, V. G. Baranova, V. A. Ailferova. *Zhur. anal. khim.* 18 no. 1:121-125 Ja '63.

FORMS, QUADRATIC

- Normal triangulations of a convex cone. B. A. Venkov, B. B. Venkov. *Izv. AN SSSR Ser. mat.* 27 no. 2:307-306 Mr-Ap '63.

FORSH, OL'GA DMITRIYEVNA, 1875-1861

- Gor'kii and Forsh. T. V. Evplova. *Nauch. dokl. vys. shkoly; filol. nauki* no. 1:3-18 '63.

FORSTER, GEORG, 1754-1794

- "Georg Forster, a German enlightener and revolutionary of the 18th century" by I. U. I. A. Mostkovskaya. Reviewed by I. I. Dovitskii. *Vop. ist.* 38 no. 4:141-142 Ap '63.

FORTIFICATION, PRIMITIVE see subdivision under Parthia

FORTIFICATIONS, OLD see subdivision under Soroki

Fossil BEETLES see Beetles, Fossil

- FOUNDRIES—TECHNOLOGICAL INNOVATIONS** see subdivision under Armenia
- FOUNDATIONS**
Manufacture of foundations for metal contact network poles. V. Z. Kozyrev, V. E. Motornii. *Transp. stroi.* 13 no. 3:11-12 Mr '63.
New developments in making calculations for foundations and footings of bridges and pipes. A. A. Luga. *Transp. stroi.* 13 no. 3:47-49 Mr '63.
- FOUNDATIONS—DESIGN AND CONSTRUCTION**
Akademii stroitel'stva i arkhitektury SSSR. Institut osnovani i podzemnykh sooruzhenii. [Instructions for the design and construction of foundations supporting light structures on heaving soil] *Ukazaniia po proektirovaniu i stroitel'stvu malonagruzhenykh fundamentov na puchnistykh gruntakh.* Moskva, Gosstroizdat, 1963. 26 p.
- FOUNDING**
Use of television in foundries. O. D. Bychkov. *Lit. proizv.* no. 4:13-15 Ap '63.
- FOUNDING—BIBLIOGRAPHY** see Bibliography—Founding
- FOUNDING—TECHNOLOGICAL INNOVATIONS**
Hydrocyclones in founding. V. Zhyi'tsov. *Nauka i zhyitie* 12 no. 2:11 F '63.
Means for over-all mechanization of founding processes at heavy machinery plants. M. G. Umagin, N. I. A. Kagan. *Vest. mashinostr.* 43 no. 4:43-50 Ap '63.
- FOUNDRIES—EQUIPMENT AND SUPPLIES**
Automatic scales in foundry practice. M. M. Ivakhnenko. *Lit. proizv.* no. 4:11-12 Ap '63.
Bottom pouring of steel without stoppers. V. G. Shapavalenko, I. U. Z. Babashkin. *Lit. proizv.* no. 4:43 Ap '63.
Portable gas drier for large molds. *Lit. proizv.* no. 4:44 Ap '63.
- FOUNDRY SAND** see Sand, Foundry
- FOURIER SERIES**
Asymptotic properties of positive Fourier expansion methods. E. A. Komteva. *Izv. vys. ucheb. zav.; mat.* no. 3:67-73 '63.
Asymptotic properties of positive methods for the summation of Fourier series. V. M. Shcherbakova. *Izv. vys. ucheb. zav.; mat.* no. 3:185-194 '63.
Divergent Fourier series. A. M. Olevskii. *Izv. AN SSSR. Ser. mat.* 27 no. 2:343-366 Mr-Apr '63.
Fourier expansion of a domain function and its application. G. P. Khakhubia. *Trudy GPI [Gruz.]* no. 6:55-67 '61.
Gap series. A. I. Rubinshtein. *Izv. vys. ucheb. zav.; mat.* no. 3:137-145 '63.
Norms of trigonometric polynomials and the approximation of differentiable functions by linear mean values of their Fourier series. Part 2. S. A. Telakovskii. *Izv. AN SSSR. Ser. mat.* 27 no. 2:252-272 Mr-Apr '63.
Some results regarding the properties of functions defined by trigonometric series with monotone decreasing coefficients [with summary in English]. I. N. Pak. *Vest. LGU* 18 no. 7:30-44 '63.
- FOXES**
A fox on the top of a tree. Ivan Blafaeu. *Belarus'* 20 no. 3:30 Mr '63.
- FRACTIONAL DISTILLATION** see Distillation, Fractional
- FRACTIONS, CONTINUED**
General case of the convergence of continued fractions. V. K. Smyslov. *Izv. vys. ucheb. zav.; mat.* no. 3:158-161 '63.
- FRACTURES**
Content of calcium and inorganic phosphorus in the blood of patients with bone fractures. N. M. Shamalov. *Med. zhur. Uzb.* no. 8:28-32 Ag '62.
Shul'ko, L. I. [Problems of clinical X-ray diagnosis of closed fractures of tubular bones] *Voprosy kliniko-radiologicheskoi diagnostiki zakrytykh perelomov trubchatykh kostei, Kazan'*, Kazanskii gos. in-t usovershenstvovaniia vrachei, 1960. 106 p. illus. (DNLM)
Some characteristics of the course and healing of bone fractures in elderly and senile persons in X-ray representation. N. I. Mil'man. *Trudy Kish. gos. med. inst.* 12:87-92 '60.
- FRANCE—ARCHITECTURE—DESIGNS AND PLANS**
Floating cities. *IUn. tekhn.* 7 no. 12:21 D '62.
- FRANCE—COMMERCE—RUSSIA**
Agreement between the U. S. S. R. and France on the mutual delivery of goods for the period 1963-1965. *Vnesh. torg.* 43 no. 4:56-59 '63.
- FRANCE—ELECTRIC WELDING—EQUIPMENT AND SUPPLIES**
Equipment for resistance welding being produced by the French industry. N. V. Podols. *Avtom. svar.* 16 no. 2:78-87 F '63.
- FRANCE—GERMAN CHILDREN**
In a spirit of peace and friendship. Yvonne Farrugia. *Zhen. mira* no. 3:5 '63.
- FRANCE—FOREIGN RELATIONS**
"A century; Briand as a seeker for peace" [in French] by Henri Marche. Reviewed by V. G. Sirotkin. *Vop. ist.* 38 no. 4:185 Ap '63.
- FRANCE—FOREIGN RELATIONS—GERMANY, WEST**
Our diary of international events. *Ukraina* no. 5:5 Mr '63.
The road to Sedan. A. Manfred. *Nov. vrem.* 20 no. 19:11-14 My '63.
- FRANCE—HISTORY**
"French revolutionary movements in the middle of the 14th century and the cycle of political activity" [in French] by P. Gazelles. Reviewed by R. M. Ingelzi. *Vop. ist.* 38 no. 4:185-186 Ap '63.
- FRANCE—LABOR AND LABORING CLASSES**
Worsening of work conditions in France as the result of capitalistic "rationalizations." M. Negin. *Sots. trud* 8 no. 4:102-110 Ap '63.
- FRANCE—MARITIME LAW**
Brief review of French judicial practice in the examination of conflicts concerning the maritime transportation of freight. M. I. Protopopova. *Inform. sbor. TSNIMF* no. 76. *Mor. pravo i prak.* no. 17:49-55 '62.
- FRANCE—MUSIC**
"What's wrong with our musical life?" A. Baranova. *Sov. muz.* 27 no. 2:135-137 F '63.
- FRANCE—PLATES, IRON AND STEEL**
Thick plates of alloyed steel (from "Les Aciers Fines et Speciaux Français," no. 39, 1962). *Met. i gornorud. prom.* no. 1:80-81 Ja-F '63.
- FRANCE—POLITICS AND GOVERNMENT**
France after the suspension of arms in Algeria. E. Fa-jon. *Agitator* no. 14:35-37 Ji '62.
"The Future of democracy" [in French] by Jacques Duclos. Reviewed by V. Kolomitsaev. *Mir. ekon. i mezhdunar. otn.* no. 4:141-144 '63.
Path toward a "presidential monarchy." M. Nudol'. *Rad. pravo* no. 2:123-130 Mr-Apr '63.
- FRANCE—REVOLUTION**
"Movement of the 'possessed'" by I. A. Zakhar. Reviewed by A. V. Gordon. *Vop. ist.* 38 no. 4:144-146 Ap '63.
- FRANCE—SOCIOLOGY, RURAL**
Social structure of the French village. I. U. Trunskii. *Mir. ekon. i mezhdunar. otn.* no. 2:30-51 '63.
- FRANCE—STRIKES AND LOCKOUTS**
The struggle of French workers. *Ukraina* no. 7:6 Ap '63.
- FRANCE—STRIKES AND LOCKOUTS—COAL MINERS**
They won the main thing. unity. Anatolii Potapov, Iurii Shevchenko. *Ogonek* 41 no. 15:4-5 Ap '63.
- FRANCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**
If you are a human being. I. Mazur. *Rab. i stal.* 39 no. 2:1-2 F '63.
- FRANCE (OCEAN LINER)**
Transatlantic liner "France" (from "Shipbuilding and Shipping Record," no. 6, 1962; "Shipping World," no. 3574, 1962). *Blul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota* 7 no. 8:82-86 '62.
- FRANKO, IVAN, 1856-1916**
Studies of some verbal synonyms employed by Ivan Franko in his poetic works. L. M. Poluha. *Dosl. i mat. z ukr. movy* 3:106-120 '60.
- FRAUD**
Her conscience is not for sale. K. Ivkov. *Sov. deput. trud.* no. 4:83-84 Ap '63.
- FREEDOM OF CONSCIENCE** see Liberty of conscience
- FREIGHT AND FREIGHTAGE**
(see also subdivision under Uzbekistan)
"Basic Principles of the Civil Law of the U. S. S. R. and the Union Republics"; selected articles. *Inform. sbor. TSNIMF* no. 76. *Mor. pravo i prak.* no. 17:26-28 '62.
Decisions of the Arbitration Commission of the Ministry of Merchant Marine of the U. S. S. R. *Inform. sbor. TSNIMF* no. 76. *Mor. pravo i prak.* no. 17:41-42 '62.
Decisions of the Maritime Arbitration Commission. *Inform. sbor. TSNIMF* no. 76. *Mor. pravo i prak.* no. 17:42-49 '62.
Decisions of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. *Inform. sbor. TSNIMF* no. 76. *Mor. pravo i prak.* no. 17:41 '62.
In search of a "wise man." B. Semenov. *Smena* 39 no. 16:12-13 Ag '62.
- Liability for failure to carry out the obligations imposed by the state plan of the railroad transportation of freight. M. S. Ordanskii. *Izv. vys. ucheb. zav.; gos. 6 no. 2:139-142 '62.*
- FREIGHT AND FREIGHTAGE—CLAIMS**
Procedure in the arbitration of transportation claims. V. Ovsitenko. *Rad. pravo* no. 3:86-91 My-Je '62.
- FREIGHTERS**
(see also subdivision under Great Britain; Volga-Baltic Sea Waterway)
Lumber carrier "Vytygralis." S. S. Verashinich. *Rad. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 3:65-67 '63.
- FREIGHTERS—DESIGN AND CONSTRUCTION**
Ways of improving the technical and economic indices of cargo ships. I. V. Vinogradov. *Sudostroenie* 21 no. 3:10-18 Mr '63.
- FRENCH COMPOSERS** see Composers, French
- FRENCH LANGUAGE—AFFIXES**
Prefixal formation of nouns in modern French. E. E. Iur'eva. *Nauch. dokl. vys. shkoly; filol. nauki* no. 1:102-111 '63.
- FRENCH LANGUAGE—AUDIO-VISUAL AIDS**
Let's expand the use of visual aids, dubbing the filmstrips. L. N. Zhirmova. *Inostr. iaz. v shkole* no. 1:72-74 Ja-F '63.
- FRENCH LANGUAGE—FOREIGN WORDS AND PHRASES**
Phonetic assimilation of loan words in modern French. A. V. Iatlova. *Uch. zap. kaf. zap. inostr. iaz. IMO* no. 3:40-50 '60.
- FRENCH LANGUAGE—GRAMMAR**
Verbal pronouns and category of person in French. Y. G. Guk. *Uch. zap. kaf. zap. inostr. iaz. IMO* no. 3:5-13 '61.
- FRENCH LANGUAGE—HOMONYMS**
Homonymy in the French language. S. I. Kanonich. *Inostr. iaz. v shkole* no. 1:102-107 Ja-F '63.
- FRENCH LANGUAGE—MACHINE TRANSLATING**
Machine translation from French to Russian. Part IV: Results of experiments and analysis of errors. O. V. Vukolovskala, O. A. Kulagina. *Probl. kib. no. 8:33-32 '62.*
- FRENCH LANGUAGE—NOUN**
Prefixal formation of nouns in modern French. E. E. Iur'eva. *Nauch. dokl. vys. shkoly; filol. nauki* no. 1:102-111 '63.
Supplementing the class of French compound nouns by means of sentence lexicalization. I. N. Timoshkina. *Uch. zap. LGU* no. 283:144-140 '61.
- FRENCH LANGUAGE—PHONETICS**
Phonetic assimilation of loan words in modern French. A. V. Iatlova. *Uch. zap. kaf. zap. inostr. iaz. IMO* no. 3:40-50 '60.
- FRENCH LANGUAGE—SPOKEN FRENCH**
Some characteristics of dialogue; on the dramaturgy of Balzac. V. F. Sedov. *Uch. zap. LGU* no. 283:122-113 '61.
- FRENCH LANGUAGE—STUDY AND TEACHING**
Preparing for examinations. M. L. Bromberg. *Inostr. iaz. v shkole* no. 1:50-54 Ja-F '63.
Working in pairs. A. E. Angolevich, E. M. Kuterev. *IU. E. Shkolnaipr. Inostr. iaz. v shkole* no. 2:63-71 Mr-Apr '63.
- FRENCH LANGUAGE—SYNTAX**
Structure of impersonal sentences in modern French. B. D. Nekhendzi. *Uch. zap. LGU* no. 283:114-120 '61.
- FRENCH LANGUAGE—STYLE**
Structure of impersonal sentences in modern French. B. D. Nekhendzi. *Uch. zap. LGU* no. 283:114-120 '61.
- FRENCH LANGUAGE—SYNONYMS**
Development of synonymic relations between substantive adjectives and nouns of the same root in French. L. G. Alaverdova. *Uch. zap. LGU* no. 283:12-21 '61.
- FRENCH LANGUAGE—WORD FORMATION**
Prefixal formation of nouns in modern French. E. E. Iur'eva. *Nauch. dokl. vys. shkoly; filol. nauki* no. 1:102-111 '63.
- FRENCH LANGUAGE—WORD ORDER**
Establishment of word order in French. Z. M. Lipovetskala. *Uch. zap. kaf. zap. inostr. iaz. IMO* no. 3:24-39 '60.
- FRENCH LANGUAGE—WORDS**
Interaction of special terminology and words of common usage in French. E. I. Amosenkova. *Uch. zap. LGU* no. 283:22-29 '61.
- FRENCH LITERATURE—HISTORY AND CRITICISM**
Aesthetics of the "revolutionary renaissance." O. Tim'eeva. *Vop. lit.* 7 no. 2:99-101 F '63.

FREONS—ELECTRIC PROPERTIES

Study of the arc quenching properties of freon and electron gas. V. N. Borisov, D. S. Aleksandrov, V. V. Mezheva. *Elektroenergetika* no. 6:129-136 '62.

FREQUENCIES OF OSCILLATING SYSTEMS

Generalized frequency criterion for evaluating the accuracy of image reproduction [with summary in English on p. 96]. L. I. Khromov, V. I. Resin. *Tekhn. kino i telev.* 7 no. 4:39-44 Ap '63.

FREQUENCY CHANGERS

Calculation of the power losses of transistor pulse-width a.c. power amplifiers. E. I. Usyehkin. *Elektrichestvo* no. 3:61-66 Mr '63.
Contribution to the theory of frequency conversion. S. K. Savin. *Elektrosvyaz* 17 no. 4:39-44 Ap '63.
Parallel operation of asynchronous frequency changers. V. I. Zagladskii. *Trudy GPI* 16 no. 5:67-71 '60.

FREQUENCY MEASUREMENTS

Bogdanov, I. V. [Automatic frequency measurement] *Avtomaticheskoe izmerenie chastoty*. Moskva, Voenizdat, 1952, 85 p. (Radiolokatsionnaya tekhnika)

Frequency transducers and indicator-type frequency meters based on materials with rectangular hysteresis loop. V. G. Emel'yanenko. *Izv. vys. ucheb. zav.; elektromekh.* 6 no. 2:237-245 '63.

FREQUENCY MULTIPLIERS

Analytical calculation of the external characteristics of a frequency tripler with transverse capacitive compensation. S. V. Shapiro. *Trudy GPI* 16 no. 5:61-66 '60.

Elements of the design of efficient static electromagnetic frequency multipliers. A. M. Baundis, S. V. Shapiro. *Trudy GPI* 16 no. 5:44-60 '60.

Frequency multiplier using a reflex klystron. L. A. Belov, M. V. Kapranov. *Radiotekh. i elektron.* 8 no. 4: 600-611 Ap '63.

Relaxations in nonlinear capacitance frequency multipliers. A. A. Rabinovich-Vizel', M. E. Gertsenshtein. *Radiotekh. i elektron.* 8 no. 4:725-727 Ap '63.

Some causes for the appearance of parasitic phase modulation in multistage frequency multipliers. V. S. Andreev, M. E. Mazurov. *Elektrosvyaz* 17 no. 4:10-19 Ap '63.

Static three-phase frequency doubler. I. V. Blinov. *Trudy GPI* 16 no. 5:102 '60.

FREQUENCY REGULATION

Method for filtering external discrete interference by an automatic phase frequency control system. V. V. Shakhgildian. *Elektrosvyaz* 17 no. 5:9-14 My '63.

FRESHWATER BIOLOGY see subdivision under Moldavia

FRESHWATER FAUNA see subdivision under Molochinoye Lake; Sordongnakh region; Soviet Far East

FRICTION

Friction in upsetting with an effect of hardening. E. M. Tret'yakov, Kuz.-shtam. proizv. 5 no. 3:5-10 Mr '63.

Friction of a piston ring against a cylinder wall. V. S. Semenov. *Avi. prom.* 28 no. 6:13-15 Je '62.

FRICTION MATERIALS

Antifriction material based on graphite impregnated with polytetrafluoroethylene. S. F. Fonarev, A. A. Kul'bakh, V. A. Dzhanov. *Metod. isp. det. mash. i prib.* no. 2:3-9 '62.

Graphitized materials impregnated with epoxy resin. S. F. Fonarev and others. *Metod. isp. det. mash. i prib.* no. 2:16-28 '62.

FRUIT FLIES—EXTERMINATION

Protecting corn against the Swedish fly. N. A. Vikova. *Zashch. rast. ot vred. i bol.* 6 no. 6:37-38 Je '61.

FRONTIER PATROLS see Border patrols

FRONTIER WORKERS

Air patrol (to be concluded). I. Matkov, *Kryl, rod.* 14 no. 2:30-31 F '63.

FROZEN GROUND

(see also subdivision under Khrupan Valley)

Akademika stroitel'stva i arkhitektury SSSR, Institut osnovaniy i podzemnykh sooruzheniy. [Instructions for the design and construction of foundations supporting light structures on heaving soil] *Ukazaniya po proektirovaniyu i stroitel'stvy malonagruznykh fundamantov na puchinstvyykh gruntakh*. Moskva, Gosstroizdat, 1953, 26 p.

Automatic temperature checking system on water-supply networks in the permafrost zone. M. N. Siniagina. *Sbor. nauch. rab. AKKH* no. 12:163-170 '62.

Choosing the layout of water-supply networks for populated places and industrial enterprises in permafrost regions. G. A. Borisov. *Sbor. nauch. rab. AKKH* no. 12: 3-12 '62.

Construction of underground piping in the northern part of the Angara-Pit Basin. V. Z. Dodin. *Sbor. nauch. rab. AKKH* no. 12:55-81 '62.

Industrial and municipal piping under the conditions of the Far North. P. A. Lavrov. *Sbor. nauch. rab. AKKH* no. 12:13-19 '62.

Installation and operation of a water-supply network in Yakutsk. L. V. Bespalova. *Sbor. nauch. rab. AKKH* no. 12:20-54 '62.

Laying gas pipelines under permafrost conditions. M. O. Porel'tsvalg. *Sbor. nauch. rab. AKKH* no. 12:93-119 '62.

Machines for cutting frozen ground. Strol, i arkh. Len. 25 no. 4:24 Ap '63.

Prisoners of permafrost. *IUn. nat.* no. 3:25 Mr '63.

The problem of an efficient system of heating residential and public buildings in permafrost regions. V. A. Orlov. *Sbor. nauch. rab. AKKH* no. 12:206-213 '62.

Special features of the construction of main gas pipelines in permafrost regions. V. V. Spiridonov. *Sbor. nauch. rab. AKKH* no. 12:120-134 '62.

Temperature condition of gas pipelines in permafrost regions and its effect on the choice of a pipe-laying system. L. N. Mironenkova. *Sbor. nauch. rab. AKKH* no. 12:171-182 '62.

Temperature field of the soil around a petroleum pipeline. L. P. Semenov. *Sbor. nauch. rab. AKKH* no. 12:147-182 '62.

Zil'berbord, A. F. [Heat regime in mines in areas of permanently frozen ground] *Teplovoy rezhim shakht v oblasti rasprostraneniya mnogoletnemorzlykh gornykh porod*. Moskva, Izd-vo Akad. nauk SSSR, 1953, 93 p.

FROZEN GROUND—ELECTRIC PROPERTIES

Electrical characteristics of permanently frozen ground. N. N. Maksimenko. *Elektrichestvo* no. 3:71-74 Mr '63.

FROZEN MEAT see Meat, Frozen

FRUIT

(see also subdivision under Karaganda)

Vyshchepan, A. G., M. E. Mel'man, and B. A. Nazarov. [Commercial study of vegetables, fruit and wine] *Tovarovedenie ovoshchei i plodov i vina*. Izd. 2., perer. Moskva, Gostorgizdat, 1953, 303 p.

FRUIT—CHEMICAL COMPOSITION

Accumulation of some mineral elements in apples during ripening. A. A. Kolosnik, O. T. TSerevichnikov. *Kons. i ov. prom.* 18 no. 5:23-32 My '63.

FRUIT—COLOR see Color of fruit

FRUIT—DISEASES AND PESTS

(see also subdivision under Karaganda; Kiev Province)

A new means for controlling dangerous orchard pests. *Zemledelie* 25 no. 1:86 Ja '63.

Practices in using concentrated solutions in orchards. S. F. Prokopenko. *Zashch. rast. ot vred. i bol.* 6 no. 6: 16-17 Je '61.

Protecting orchards against rodents. K. A. Mamaev. *Zashch. rast. ot vred. i bol.* 6 no. 11:34-35 N '61.

Shumduk, A. V. [Fruit and berry pests and ways of controlling them] *Vrediteli plodovo-lagodnykh kul'tur i mery bor'by s nimi*. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1952, 50 p.

(CU)

FRUIT—STORAGE

Wheat should be known about fruit storage. P. A. Alekseev. *Khol. tekhn.* 40 no. 2:59-60 Mr-Ap '63.

FRUIT—TRANSPORTATION

Natural weight losses of apricots and grapes during railroad transportation in refrigerator cars. P. A. Alekseev, L. S. Rossosvskii. *Khol. tekhn.* 40 no. 2:38-40 Mr-Ap '63.

FRUIT, CANNED

Fruit products for diabetics. *Khar. prom.* no. 1:83 Ja-Mr '63.

Improve the quality and production technology of canned fruit and berries. A. N. Samsonova. *Kons. i ov. prom.* 18 no. 5:12-15 My '63.

FRUIT CULTURE

(see also subdivision under Uzbekistan)

How the size of stockbreeding and its relation to fruit and berry growing affects the economic efficiency of fruit and berry growing state farms in the central regions of the U.S.S.R. I. F. Gorbach. *Dokl. TSKHA* no. 68:155-160 '61.

Mechanization of horticultural work. G. Shamaev. *Tekhn. v sel'khoz.* 23 no. 1:12-17 Ja '63.

The origin of fruit culture. V. R. Bukin. *Sov. arkheol.* 7 no. 2:47-56 '63.

Solopov, G. P. [The orchard bears fruit every year] *Izd. plodonosit ezhegodno*. Pod red. M. I. Rozhkova. Moskva, Izd-vo "Znanie," 1963, 45 p. (Narodnyi universitet kul'tury; Sel'skokhoziaistvennyi fakul'tet, no. 1)

FRUIT CULTURE—CONGRESSES

Zonal'noe nauchno-metodicheskoe soveshchaniye, Tashkent, 1957. [Scientific achievements in fruit culture, viticulture, and subtropical crops in the republics of Central Asia and of Kazakhstan; materials of the Zonal Conference held in Tashkent, Feb. 12-16, 1957] *Nauchnye dostizheniya po sadovodstvu, vinogradarstvu i subtropicheskim kul'turam Sredneaziatiskikh respublik i Kazakhskoi SSR; materialy. Otv. red. A. F. Evtushenko*. Moskva, Izd-vo M-va sel'khoz. SSSR, 1959, 164 p. (CU-A)

FRUIT FLIES—EXTERMINATION

Quarantine disinsection against fruit flies. V. E. Kreitsberg. *Zashch. rast. ot vred. i bol.* 6 no. 11:49-52 N '61.

FRUIT JUICES

Application of ion exchange for the acidification of fruit and berry juices. G. D. Ratushnyi and others. *Trudy KIPP* no. 22:371-374 '61.

Manufacture of fruit, berry and vegetable juices and powders. K. I. Danilov. *Khar. prom.* no. 1:77-83 Ja-Mr '63.

FRUIT TREES

Anthocyanins of the bark of fruit crops and their dynamics in a year's time. D. P. Protsenko, K. I. Bohomaz, T. P. Korshuk. *Visnyk Kyiv. un.* no. 3. Ser. biol. no. 1: 56-62 '60.

Intensity of respiration of leaves in fruit varieties of various winter hardiness. A. O. Skofenko. *Visnyk Kyiv. un.* no. 1. Ser. biol. no. 2:53-68 '58.

Some biochemical characteristics of fruit varieties of various winter hardiness. A. O. Skofenko. *Visnyk Kyiv. un.* no. 2. Ser. biol. no. 1:43-49 '59.

FRUIT TREES—WATER REQUIREMENTS

Water balance and frost resistance of the root system of wild fruit crops. A. V. Kapla. *Visnyk Kyiv. un.* no. 3. Ser. biol. no. 1:78-88 '60.

FRUNZE REGION—INDUSTRIES

Formation of the production complex of the Frunze industrial center. B. Sh. Chormonov. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 4:47-56 '62.

FUCK, JULIUS, 1903-1943

In memory of a man. S. Muratova. *Nauka i rel.* 4 no. 2:88-89 F '63.

FUCK, JULIUS, 1903-1943—MONUMENTS, ETC.

Statue of our dear friend, IE. Iurenko. *Ukraina* no. 4: 7 F '63.

FUEL

Effective utilization of water-containing fuels. G. N. Delagin, V. M. Ivanov, B. V. Kantorovich. *Trudy IGI* 19:59-65 '62.

Joint burning of blast-furnace gas, natural gas, and coke gas. M. I. Lefman. *Prom. energ.* 18 no. 1:21-24 Ja '63.

Mass and heat transfer in the process of combustion in an air stream. G. N. Delagin, B. V. Kantorovich. *Trudy IGI* 19:10-23 '62.

Problem of burning high-moisture fuels under pressure. V. M. Ivanov, S. S. Kramarenko. *Trudy IGI* 19:85-103 '62.

Procedure for issuing bonuses to workers of enterprises for economizing on fuel, electricity and heat. F. Gorin, N. Kaminskii. *Sots. trud* 8 no. 4:135-138 Ap '63.

FUEL—PERMEABILITY

Permeability of a layer of moist fuels and other free-flowing materials. R. N. Pitin. *Trudy IGI* 19:148-159 '62.

FUEL—SAFETY MEASURES

Protsoluz rabochikh i sluzhashchikh sel'skogo khoziaistva i zagotovok, Tsentral'nyi komitet. [Manual on safety measures for the distribution and storage of fuel and lubrication materials] *Pamiatka po tekhnike bezopasnosti pri otpuske i khraneni gorchue-smazochnykh materialov*. Moskva, Sel'khozizdat, 1962, 38 p. (DNA L)

FUEL CELLS

"Cold combustion-fuel cells" [in German]; a monograph by E. Justi and A. Winsel. Reviewed by I. G. Gurevich. *Inzh.-fiz. zhur.* 6 no. 3:116-117 Mr '63.

Lashkarev, G. V., A. M. Tarasels, and V. S. Pomenko. [New sources of electric energy] *Novye istochniki elektricheskoi energii*. Kiev, Izd-vo Akad. nauk USSR, 1962, 85 p. (Nauchno-populiarnaya literatura)

FUEL OIL BURNERS see Oil burners

FUEL PUMPS

Means for reducing hydraulic resistances in the gasoline pump. V. F. Minisilov. *Avi. prom.* 28 no. 6:32-33 Je '62.

FUMIGATION

Recent developments in vacuum fumigation. V. N. Tronov. *Zashch. rast. ot vred. i bol.* 6 no. 11:44-45 N '61.
Smoke pots for controlling pests of cotton produce. *Zashch. rast. ot vred. i bol.* 6 no. 11:44-45 N '61.

FUNCTIONAL ANALYSIS (Continued)

Some extremum domains related to univalent functions [with summary in English]. I. A. S. Fel'dman. Vest. LGU 18 no. 7:87-89 '63.

FUNCTIONS

Determination of the extreme of a function on a polyhedron. I. A. Bakhtin, M. A. Krasnosel'skiĭ, A. I. Levin. Zhur. vych. mat. i mat. fiz. 3 no. 2:400-408 Mr-Apr '63.

Generalization of the concept of periodic continuation. V. D. Golovin. Dokl. AN SSSR 149 no. 3:502-504 Mr '63.

Krein, S. G., and V. N. Ushakova. [Mathematical analysis of elementary functions] Matematicheskiĭ analiz elementarnykh funktsii. Moskva, Fizmatgiz, 1963. 168 p.

Minimum estimate of the error in quadrature formulas on classes of functions. I. F. Sharygin. Zhur. vych. mat. i mat. fiz. 3 no. 2:370-378 Mr-Apr '63.

Optimal values and points of a certain nonlinear function. I. A. Bakhtin. Dokl. AN SSSR 148 no. 4:741-744 F '63.

Properties of functions approximated by linear combinations of given functions which are close to power functions. A. F. Leont'ev. Izv. AN SSSR, Ser. mat. 27 no. 2:397-434 Mr-Apr '63.

FUNCTIONS, ANALYTIC

Periodic solutions to quasi-linear autonomous systems containing first integrals. I. A. Arkhangel'skiĭ. Prikl. mat. i mekh. 27 no. 2:369-372 Mr-Apr '63.

Willrich, Hans. [Current studies on analytic functions] Translated from the German. Novelskie issledovaniia po odnoznachnym analiticheskim funktsiiam. Pod red. L. I. Volkovskogo, Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1960. 319 p. (CtY)

FUNCTIONS, CONTINUOUS

A-integration of a function conjugate to an integrable one. I. A. Vinogradova. Izv. AN SSSR, Ser. mat. 27 no. 2:305-328 Mr-Apr '63.

Equivalence of absolute continuity in a narrow sense and Lipschitz' condition for additive functions of sets. A. I. Vol'pert. Izv. vys. ucheb. zav. i mat. no. 3:23-26 '63.

Fourier expansion of a domain function and its application. G. P. Khakhubia. Trudy GPI [Gruz.] no. 6:55-67 '61.

Some results regarding the properties of functions defined by trigonometric series with monotone decreasing coefficients [with summary in English]. I. N. Pak. Vest. LGU 18 no. 7:30-44 '63.

FUNCTIONS, PERIODIC

Approximation by trigonometric polynomials of functions of two variables satisfying Lipschitz' condition. P. I. Ruban, K. V. Krasil'nikov. Izv. vys. ucheb. zav. i mat. no. 3:135-136 '63.

Derivation of periodic solutions to a nonautonomous quasi-linear system with two degrees of freedom. G. V. Plotnikova. Prikl. mat. i mekh. 27 no. 2:385-389 Mr-Apr '63.

FUNCTIONS, WEIGHT see Weight functions

FUNCTIONS OF REAL VARIABLES

On certain trigonometric sums. K. A. Rodasik. Mat. sbor. 60 no. 2:210-234 F '63.

FUNCTIONS OF SEVERAL VARIABLES

Measure of a set of values assumed by a function in points where the gradient vanishes. T. S. Latsheva. Izv. AN SSSR, Ser. mat. 27 no. 2:273-278 Mr-Apr '63.

FUNGI

(see also subdivision under Donetsk Province)

"Harmful and useful fungi" by M. K. Khokhriakov. Reviewed by M. S. Duntin. Zashch. rast. ot vred. i bol. 8 no. 1:62-63 N '61.

FUNGI—ANATOMY

Anatomic criterion in the taxonomy of Aphyllophorales [with summary in English]. M. A. Bondartseva. Bot. zhur. 48 no. 3:362-372 Mr '63.

FUNGI—PHYSIOLOGY

Bekker, Z. E. [Physiology of fungi and their practical use] Fiziologiya gribov i ikh prakticheskoe ispol'zovanie. [Moskva] Izd-vo Mosk. univ., 1963. 287 p.

FUNGI, PATHOGENIC

The antifungal effect of the outcicle of Eurygaster integriceps Put. A. A. Evlakhova, T. A. Shakhurina. Dokl. AN SSSR 148 no. 4:977-978 F '63.

FUNGI, PHYTOPATHOGENIC

(see also subdivision under Kiev Province; Polesye; Ukraine)

Changes in the composition of the parasitic flora of a series of cultivated plants of the Soviet Union. M. V. Gorlenko. Nauch. dokl. vys. shkoly: biol. nauk no. 2: 115-120 '63.

Mycologic method for controlling the moth Oenaria monacha. I. Chernyshev. Les. khoz. 16 no. 1:50 Ja '63.

Review of the fungus flora of box in natural and artificial stands. Z. H. Lavtyaka. Visnyk Kyiv. un. no. 2, Ser. biol. no. 1:5-16 '63.

Stepanov, K. M. [Fungus epiphytiosis; an introduction to the general epiphytology of fungus diseases of plants] Gribnye epifitiozy; vvedenie v obshchuiu epifitologiyu gribov i boleznai rastenii. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 470 p. (DNAL)

FUNGICIDES

Against plant diseases and pests. K. A. Gar. Priroda 52 no. 4:60-62 '63.

Fungicidal characteristics of some substances of vegetable origin. N. D. Mikhnovskaya. Visnyk Kyiv. un. no. 1, Ser. biol. no. 2:85-88 '58.

Seed disinfectants. E. I. Andreeva. Zashch. rast. ot vred. i bol. 6 no. 6:34-35 Je '61.

FUR, ARTIFICIAL

Talyzin, M. D., and others. [Pile fabrics and artificial fur] Vorskove tkan i iskusstvennyi mekh. Pod obshch. red. M. D. Talyzina. Moskva, Rostekhzdat, 1963. 351 p.

Tsentral'nyi institut nauchno-tekhnicheskoi informatsii legkoi promyshlennosti. [Surface-dyeing of artificial fur] Verkhovoe kraashenie iskusstvennogo mekha. Moskva, 1962. 28 p. (MICROFILM)

FUR FARMING see subdivision under Chuvsky District

FUR TRADE

(see also subdivision under Leningrad; Yenisey Valley) Golden fur. M. Safronov. Ukraina no. 4:31 F '63.

FURAN

Catalytic transformation of amines of the furan series to pyrrole homologs. N. I. Shuklin, I. F. Bel'skiĭ, G. E. Skobtsova. Izv. AN SSSR, Otd. khim. nauk no. 2:378-380 F '63.

Hydrogenation of 2-methyl-5-acetylfuran on skeletal catalysts. N. I. Shuklin, G. K. Vasil'yevskaya, I. F. Bel'skiĭ. Izv. AN SSSR, Otd. khim. nauk no. 3:525-529 Mr '63.

Investigating the film forming properties of polysilylan modified with PF-6 alkyl resins. A. A. Abduraviev and others. Lakokras. mat. i ikh prim. no. 2:17-18 '63.

Synthesis and some conversions of 2-furyl-2-thienylmethane. Report No. 2: Metallation and preparation of some derivatives of 2-furyl-2-phenylmethane. I. A. L. Goldfarb, I. A. L. Danilushkevskii. Izv. AN SSSR, Otd. khim. nauk no. 3:540-549 Mr '63.

Synthesis of symmetrical 3,4-bis (dialkylaminomethyl)-furans. K. I. Novitskiĭ and others. Dokl. AN SSSR 148 no. 4:856-859 F '63.

Thermal transformations of dihydrofurans. N. I. Shuklin, I. F. Bel'skiĭ, R. A. Terakhanov. Izv. AN SSSR, Otd. khim. nauk no. 2:377-378 F '63.

FURNACES, HEATING

Improving the heating of metal in holding furnaces. L. F. Liberman and others. Stal' 23 no. 4:372-373 Ap '63.

Operation of compartment furnaces at the Azovstal' Plant. V. S. Shklyar, M. T. Bul'skiĭ. Met. i gornorud. prom. no. 1:72-74 Ja-F '63.

Using ERA-1 optimizers for heating furnaces. S. N. Makarovskii, K. B. Norkin, L. N. Filsner. Prihorostroenie no. 4:25-27 Ap '63.

FURNITURE

Wicker furniture. V. Varenik. Mest. prom. i khud. promysl. 4 no. 3:28-29 Mr '63.

FURNITURE INDUSTRY

(see also subdivision under Malaya Stanitsa; Ukraine)

Finishing furniture panels with plastics without using glue. Der. prom. 12 no. 2:3 of cover F '63.

Fluidity of shaving and glue mixtures. V. M. Tsukhlo. Der. prom. 12 no. 2:13-15 F '63.

Possibilities of using polyurethane varnishes. Der. prom. 12 no. 2:3 of cover F '63.

Server with built-in refrigerator. S. Guitnik, V. Shpiller. Mest. prom. i khud. promysl. 4 no. 3:13 Mr '63.

FURNITURE INDUSTRY—CONGRESSES

Conference on the technology of finishing furniture framework. Der. prom. 12 no. 2:28-29 F '63.

FURSENKA, ALEXANDER VASIL'EVICH, 1903-

Aleksandr Vasil'evich Fursenka; on his 60th birthday and his 35 years in teaching and research. V. K. Halabtsou. Vest. AN BSSR, Ser. fiz.-tekhn. nav. no. 1: 130-133 '63.

FUSED SALTS

Melting diagram of the reciprocal system consisting of lithium and lead chlorides and bromides. A. G. Bergman, I. I. Andriushchenko. Zhur. neorg. khim. 8 no. 3:712-714 Mr '63.

GABRO see subdivision under Ural Mountains

GABON—INVESTMENTS, FRENCH

Foreign capital in Gabon. V. Ponomarev. Mir, etos. i mezhdunar. otn. no. 4:107-109 '63.

GABON—NATURAL RESOURCES

Foreign capital in Gabon. V. Ponomarev. Mir, etos. i mezhdunar. otn. no. 4:107-109 '63.

GADZHIEV, DZHEVDET

Developing a tradition. I. Abegauz. Sov. muz. 27 no. 4:37-42 Ap '63.

GAGRA REGION—ALLUVIUM

Follow-up to V. S. Gamazhenko's article "Dynamics of the coastal alluviums of Gagra Bay." V. P. Zerkovich. Okeanologiya 3 no. 2:336-337 '63.

GALANTHAMINE

Effect of nivaline electrophoresis in some diseases of the nervous system. S. Kiricheva and others. Veg. kur., fizioter. i loch. fiz. kult. 28 no. 1:26-30 '63.

GALAXIES

Deflection of light rays in the gravitational fields of galaxies. I. U. Klimov. Dokl. AN SSSR 148 no. 4: 789-792 F '63.

GALICIA—HISTORY—SOURCES

Erroneous interpretation by Dlugosz of some passages from the Galicia-Volhynia Chronicle. A. Hens'or'skiĭ. Dosl. i mat. z ukr. movy 3:16-26 '60.

GALLBLADDER—DISEASES

Aydel, L. V. [Clinical aspect and surgical treatment of cholecystitis] Klinika i khirurgicheskoe lechenie kholostazita. Minsk, Gos. izd-vo BSSR, Redaktsiia nauchno-tekhn. lit-ry, 1963. 219 p. (DNLM)

Change in the protein fractions of blood serum in complicated cholecystitis. E. D. Dvuzhili'nina, A. M. Skolovskii. Klin. khir. no. 5:30-35 My '62.

GALLBLADDER—MICROBIOLOGY

Origin and characteristics of the microflora of the gallbladder in acute calculous cholecystitis. Report No. 1. N. F. Nam. Med. zhur. Uzb. no. 8:71-74 Ag '62.

GALLBLADDER—RADIOGRAPHY

Cholecystography in a polyclinic. I. S. Mannanov. Sov. med. 26 no. 1:97-98 Ja '63.

GALLBLADDER—SURGERY

Tal'man, I. M. [Surgery of the gallbladder and bile ducts] Khirurgia zholchnogo puzyrja i zholchnykh protokov. Leningrad, Medgiz, 1963. 431 p. (DNLM)

GALLION

Extraction-photometric determination of niobium by means of lumogallion [with summary in English]. I. P. Alimarin, Khan' Si-1 (Han Hsi-1). Zhur. anal. khim. 11 no. 1:82-87 Ja '63.

GALLIUM

Indium and gallium interaction during the crystallization of germanium from melts containing these elements. V. S. Zamskov, A. D. Belata, T. E. Puris. Fiz. tver. tela 5 no. 4:1100-1103 Ap '63.

GALLIUM—ANALYSIS

Use of oximetric acid in analytical chemistry. Report 2: Separation of indium and gallium from manganese, nickel, cobalt, and zinc [with summary in English]. E. A. Ostroumov, I. I. Volkov. Zhur. anal. khim. 16 no. 1:52-57 Ja '63.

Use of formazans in analytical chemistry. Report No. 2: Determination of gallium with N, N'-di-(2-hydroxyphenyl)-C-cyanofornazan [with summary in English]. N. L. Vasil'eva, M. I. Ermakova. Zhur. anal. khim. 16 no. 1:43-51 Ja '63.

GALLIUM ARSENIDE

Electric breakdown of p-n junctions in gallium arsenide. D. N. Nasledov, B. V. TSarenkov. Fiz. tver. tela 5 no. 4:1100-1103 Ap '63.

Nonlinear photoelectric effect on p-n junctions in gallium arsenide. A. A. Gutkin, D. N. Nasledov, V. E. Sedov. Fiz. tver. tela 5 no. 4:1138-1142 Ap '63.

GALLIUM ARSENIDE CRYSTALS

X-ray diffraction study of some compounds of the type A₃B₅ with stoichiometric deviations. G. V. Ozol'skiĭ and others. Kristallografiia 7 no. 6:856-853 N-D '62.

GALLIUM HYDROXIDE

Hydrolytic precipitation of gallium from sulfuric acid solutions. V. A. Tsimmergalk, G. V. Lavrova. Ukr. khim. zhur. 29 no. 3:258-262 '63.

GALLIUM NITRIDE

Superconductivity of gallium nitride. N. E. Alekseevskii, G. V. Samsonov, O. I. Shulishova. Zhur. eksp. i teor. fiz. 44 no. 4:1413-1415 Ap '63.

GALLIUM TELLURIDE—THERMAL PROPERTIES

Heat capacity of gallium telluride. I. B. Nadzhafov, K. A. Sharifov. Trudy Inst. fiz. AN Azerb. SSR 11:31-35 '63.

GALSWORTHY, JOHN, 1887-1933

Syntax of the literary language employed by Galsworthy.
D. I. Fedoseeva. Uch. zap. LGU no. 283:150-157 '61.

GALVANIZED STEEL see Steel, Galvanized

GALVANOMETER

Thermoradiation galvanometer amplifiers. K. N. Tsepiliev. Izv. tekhn. no. 3:40-44 Mr '63.

GAME THEORY

Descriptive theory of games. E. D. Stotskii. Probl. kib. no. 8:45-54 '62.

GAMES

Russia (1917- R. S. F. S. R.) Tsentral'nyi nauchno-metodicheskiy kabinet po doshkol'nomu vospitaniiu. [Games with rules in a kindergarten; collection of educational games and games of movement] Igra s pravilami v detskom sadu; sbornik didakticheskikh i podviznykh igr k "Programme vospitaniia v detskom sadu." Moskva, Uchpedgiz, 1962. 154 p.

GAMES, LITHUANIAN

Lithuanian national games. V. Steponaitis. Teor. i prak. fiz. kul't. 26 no. 3:68-71 Mr '63.

GAMMA GLOBULIN

Experience in cupping foci of epidemic hepatitis in children's preschool establishments. R. D. Zlatopol'skaya and others. Vop. virus. 7 no. 6:724-725 '62.

GAMMA-RAY SPECTROMETRY

Simple method for isolating the gamma line eclipsed by annihilating radiation. N. A. Vartanov. Prib. i tekhn. eksp. 8 no. 2:187-188 Mr-Apr '63.

GAMMA RAYS

Determining the boundary of the active zone under a structure using gamma rays. I. U. V. Dzhin, I. I. Borlaov. Izv. vys. ucheb. zav. stroi. i arkh. 6 no. 3:154-157 '63.

γ -Radiation from high-spin nuclei [with summary in English]. I. U. V. Dzhin and others. Zhur. eksp. i teor. fiz. 44 no. 4:1171-1179 Ap '63.

Structural changes in gliadin caused by γ -irradiation of wheat grain [with summary in English]. M. S. Reznichenko, E. E. Rydalevskii, E. S. Gankina, Biokhimiia 28 no. 1:52-58 Ja-F '63.

GAMMA RAYS—INDUSTRIAL APPLICATIONS

Using the spectrum of gamma rays for detecting the dispersion holes of radium. N. D. Balasany and others. Izv. AN SSSR. Ser. geofiz. no. 4:506-605 Ap '63.

GAMMA RAYS—SPECTRA

Angular correlation of successively emitted gamma rays due to the 440-337 Kev. transition in the Sm^{150} nucleus [with summary in English]. V. Cojocaru, M. Petrascu. Zhur. eksp. i teor. fiz. 44 no. 4:1141-1143 Ap '63.

GAMMARIDAE see subdivision under Ukraine

GANGRENE

Immediate and late results of surgical treatment in obliterative endarteritis and senile gangrene. I. V. Kirlichanskii. Trudy Kish. gos. med. inst. 12:97-104 '60.

GARAGES

Location of garages for private cars. A. V. Sigayev. Probl. sov. gradostroi. no. 10:60-67 '63.

GARDENING—EQUIPMENT AND SUPPLIES

Manufacturing a garden watering can. V. Sushchenko. Shkola i proizv. 7 no. 4:78 Ap '63.

GARMENT CUTTING

Better quality, reduced expenses. L. Boltaeva, M. Izotova, K. Opalenova. Mest. prom. i khud. promysl. 4 no. 3: 33 Mr '63.

GAS—STORAGE see subdivision under Uzbekistan

GAS, NATURAL

(see also subdivision under Ukraine; Volga Valley)

The fifth year of the seven-year plan. Nar. khoz. Uzb. 5 no. 2:15, 18 F '63.

Highly economical water heater. O. Liakhov, O. Golovnov. Obshchestv. pit. no. 1:38-40 Ja '63.

Joint burning of blast-furnace gas, natural gas, and coke gas. M. I. Lefman. Prom. energ. 18 no. 1:21-24 Ja '63.

To have more metal. Z. Nekrasov. Nauka i zhyt'ia 12 no. 2:12-13 F '63.

GAS, NATURAL—GEOLOGY

(see also subdivision under Aktyubinsk region; Caspian Depression; Caucasus; Northern Kazakhstan; Kuban; Kura Lowland; Malskop region; Mangyshlak Peninsula; Soviet Central Asia; Soviet Far East; Ural Mountain region; Uzbekistan)

Carbon-bitumen coefficient as a soil-geochemical factor of oil and gas potentials. N. B. Vasosovich, I. S. Kovacheva. Geol. nefi i gaza 7 no. 4:34-40 Ap '63.

Distribution of petroleum and gas in salt dome regions. L. V. Kalamkarov, I. M. Vasil'ev, M. M. Charygin. Geol. nefi i gaza 7 no. 3:23-31 Mr '63.

Time of the formation of oil and gas pools. M. F. Svirshchev. Geol. nefi i gaza 7 no. 4:1-8 Ap '63.

Utilization of data on phase composition in the petroleum-gas system having high pressures for determining the origin of certain pools. T. P. Zhuze and others. Geol. nefi i gaza 7 no. 4:12-17 Ap '63.

GAS, NATURAL—PIPELINES

(see also subdivision under Bukhara; Kuban Valley; Ural Mountain region)

Experimental studies of the functioning of a self-compensating gas pipeline built above ground. V. V. Spiridonov. Sbor. nauch. rab. AKKH no. 12:193-205 '62.

Laying gas pipelines under permafrost conditions. M. O. Perel'tsvaig. Sbor. nauch. rab. AKKH no. 12:93-119 '62.

Provide for cathodic protection in plans for underground gas pipelines. G. B. Petrosian, Stroi. truboprov. 8 no. 4:36 Ap '63.

Riabov, N. I., ed. [Gas equipment, apparatus, and fittings; reference book] Gazovoe oborudovanie, pribory i armatura; spravochnoe rukovodstvo. Moskva, Gostoptekhizdat, 1963. 469 p.

Special features of the construction of main gas pipelines in permafrost regions. V. V. Spiridonov. Sbor. nauch. rab. AKKH no. 12:120-134 '62.

Russia (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions SN-186-61 on the calculation of steel pipelines for the transportation of gas, petroleum and petroleum products] Ukazaniia po raschetu magistral'nykh stal'nykh truboprovodov (SN-186-61). Moskva, Gosstroizdat, 1962. 26 p. [MICROFILM]

Temperature condition of gas pipelines in permafrost regions and its effect on the choice of a pipe-laying system. L. N. Mironenkova. Sbor. nauch. rab. AKKH no. 12:171-192 '62.

GAS AND OIL ENGINES

Kulbyshevskii sel'skokhoziaistvennyi institut. Kafedra "Traktory i avtomobily." [Theory of piston internal-combustion engines] Teoriia porshnevnykh dvigatelei vnutrennego sgoraniia; metodicheskoe posobie. Sost. F. P. Voloshenko, Kulbyshev, 1962. 230 p. [MICROFILM]

Simulation of gas exchange processes in two-cycle engines. M. G. Kruglov, N. P. Kozlov. Trudy MIIT no. 139:244-254 '61.

Thermal calculations of piston-type machines based on the similitude theory and prospects of the development of such machines. V. V. Lakhman. Trudy MIIT no. 139: 224-229 '61.

GAS AND OIL ENGINES—ABSTRACTS

[Internal-combustion engines] Ref. zhur. : Dvig. vnutr. sgor. no. 5 My '63.

GAS AND OIL ENGINES—FUEL SYSTEMS

Investigating the effect of fuel on the wear of engine. F. N. Avdon'kin, V. M. Karakozov. Avi. prom. 28 no. 8: 11-12 Je '62.

Specification of methods for measuring specific fuel consumption by engines. G. D. Pollakov. Avi. prom. 28 no. 8:9-11 Je '62.

GAS AND OIL ENGINES—LUBRICATION

Vontsel', S. V. [Lubrication of internal combustion engines] Smazka dvigatelei vnutrennego sgoraniia. Moskva, Mashgiz, 1963. 179 p.

GAS APPLIANCES

Riabov, N. I., ed. [Gas equipment, apparatus, and fittings; reference book] Gazovoe oborudovanie, pribory i armatura; spravochnoe rukovodstvo. Moskva, Gostoptekhizdat, 1963. 469 p.

GAS APPLIANCES—STANDARDS

"Gas supply; indoor appliances; materials, equipment, accessories and parts." Blul. stroi. tekhn. 20 no. 4: 9-10 Ap '63.

GAS BURNERS

Ivanov, I. V. [Fundamentals of the calculation and design of gas burners] Osnovy rascheta i proektirovaniia gazovykh gorelok. Moskva, Gostoptekhizdat, 1963. 359 p.

GAS COMPANIES see subdivision under Ufa

GAS DISTRIBUTION

(see also subdivision under Ivanovo)

Make precise determinations of the design and dimensions of valves. A. P. Ussov. Stroi. truboprov. 8 no. 4:20 Ap '63.

GAS DYNAMICS

Mechanism of the dynamic interaction of solids and gas. K. M. Leonovich. Trudy MIIT no. 139:163-172 '61.

Possibility of using Prandtl and Taylor's turbulent flow models for the solution of turbulent gas flow problems in the absence of solid boundaries. E. E. Solodkin. Prom. aerodin. no. 23:5-10 '62.

Region of discontinuous solutions to variational problems of gas dynamics. A. V. Shipilov. Prikl. mat. i mekh. 27 no. 2:342 Mr-Apr '63.

GAS FLOW

Aerodynamic investigations using a laboratory model simulating the motion of gas flow in a steam and gas producer. V. M. Ivanov, Z. I. Frenkina. Trudy IGI 19:104-113 '62.

Extremum properties of the solutions to certain classes of second-order partial differential equations and their applications to gas flows. D. B. Kikin. Prikl. mat. i mekh. 27 no. 2:356-363 Mr-Apr '63.

Kapustin, E. A., and G. M. Glinkov. [Flow of gases in open-hearth furnaces] Dvizhenie gazov v martenovskikh pechakh. Moskva, Metallurgizdat, 1963. 270 p.

Measuring the flow of combustion products in open-hearth furnaces. V. S. Kocho and others. Met. i gornerud. prom. no. 1:60-62 Ja-F '63.

Mixing of gases flowing through cylindrical pipes. B. V. Kantorovich. Trudy IGI 10:4-8 '62.

Motion of material in a vertical gas flow [with summary in English]. V. A. Shalman, V. I. Kasper. Inzh. -fiz. zhur. 6 no. 3:63-68 Mr '63.

GAS GOVERNORS

Pogorelyi, P. P. [New equipment of gas-regulator sections and gas-regulator plants] Novoe oborudovanie gazoregulyatornykh punktov i gazoregulyatornykh ustano-vok. Moskva, Gostoptekhizdat, 1963. 37 p.

GAS INDUSTRY see subdivision under Europe, Western; Soviet Central Asia

GAS PIPES

It is time to solve these problems. I. N. Nevenchil. Stroi. truboprov. 8 no. 4:25 Ap '63.

GAS PRODUCERS

(see also subdivision under Krasnoyarsk Territory)

Aerodynamic investigations using a laboratory model simulating the motion of gas flow in a steam and gas producer. V. M. Ivanov, Z. I. Frenkina. Trudy IGI 19:104-113 '62.

Burning of gaseous fuels in an air stream with simultaneous evaporation of atomized water in a steam and gas producer. A. M. Alekseev, V. M. Ivanov, Z. I. Frenkina. Trudy IGI 19:88-94 '62.

Prospects for using steam and gas processes for technological purposes. V. M. Ivanov and others. Trudy IGI 19:114-121 '62.

GAS-TURBINE LOCOMOTIVES

Barlosh, E. T. [Gas-turbine locomotives] Gazoturbovozy. Moskva, Transzheldorizdat, 1963. 94 p.

Gas-turbine locomotives with mechanical and hydraulic transmission. V. P. Demidov, E. A. Sen-Zhelen. Vest. TSNI MPS 22 no. 2:63-64 '63.

GAS-TURBINE LOCOMOTIVES—DESIGN AND CONSTRUCTION

Selecting the design parameters of traction turbines for gas-turbine locomotives. E. T. Barlosh. Vest. TSNI MPS 22 no. 2:9-13 '63.

GAS-TURBINE LOCOMOTIVES—FUEL CONSUMPTION

Effect of variable conditions in the operation of gas-turbine locomotives on fuel consumption. V. B. Mal'shin. Vest. TSNI MPS 22 no. 1:13-17 '63.

GAS TURBINES

Bandage of gas turbines. V. A. Sherstiannikov. Teploenergetika 10 no. 3:34-38 Mr '63.

Effect of unsettled heat exchange on the regulation process of gas turbine systems. V. F. Markin and others. Teploenergetika 10 no. 3:38-42 Mr '63.

Got'yanbein, L. G. [Regenerators of gas-turbine systems] Regeneratory gazoturbinnykh ustanovok. Moskva, Mashgiz, 1963. 177 p.

Methodology for determining the expenditure factor of turbine nozzle cascade. M. D. Semichenko. Teploenergetika 10 no. 3:78-81 Mr '63.

GAS WELDING AND CUTTING

Automatic cutting of steel. I. Kryvosheina. Nauka i zhyt'ia 12 no. 2:15 F '63.

Gas welding burner works on kerosene. V. M. Novykov. Mekh. sil', hosp. 14 no. 2:16-18 F '63.

Gas welding of metals in a propane-butane flame. A. Solomko, O. Lebedev. Avi. transp. 4 no. 8:20 Ag '62.

Kerosene or gasoline-oxygen welding of steel. P. Koltunov, I. U. Nekrasov. Tekhn. v sel'khoz. 23 no. 1:66-60 Ja '63.

GAS WELL LOGGING—SAFETY MEASURES

Prevent gas escape beyond casing strings. N. M. Tkachenko. Bezop. truda v prom. 7 no. 4:11-14 Ap '63.

GASES—ANALYSES

Experience in using automatic magnetic gas analyzers. L. S. Koshakov. Elek. sto. 34 no. 2:84 F '63.

Graphic determination of the coefficient of the excess of air from the data of gas analysis. I. P. Gavrilenko, A. P. Finagin. Trudy IGI 10:200-205 '62.

- GASES, RARE**
Excursion across the table of Mendeleev (to be continued). L. Kadaner. *Nauka i zhytlya* 12 no. 2:44-45 F '63.
- GASES IN MINES** see *Mine gases*
- GASHOLDERS**
Anticorrosive painting of gasholders. V. Vinarskii. *Prom. stroit. i inzh. soor.* 5 no. 2:57-58 Mr-Apr '63.
- GASHOLDERS—WELDING**
Automatic welding of storage spheres. A. M. Polnarev. *Avtom. svar.* 16 no. 2:68-69 F '63.
- GASEOUS PLASMA** see *Plasma (Ionized Gases)*
- GASOLINE—RESEARCH**
At the source of superior gasolines. V. Markov. *Za bezop. dytzh.* 5 no. 4:7 Ap '63.
- GASTROINTESTINAL MOTILITY**
Change in the secretory and motor functions of the stomach during the influence of natural and detarred naphthalan. S. S. Baladzhaeva. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech.* no. 3:52-65 '59.
Effect of hypothalamic stimulation on the motor activity of the large intestine. N. M. Vorobiova. *Visnyk Kyiv. un.* no. 3, Ser. biol. no. 1:183-187 '60.
Effect of latus mineral water on the secretory and evacuative functions of the stomach. A. M. Gadzhiev. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech.* no. 3:66-68 '59.
Efferent routes of the motor esophageal-enteric reflex. P. H. Bogach. *Visnyk Kyiv. un.* no. 2, Ser. biol. no. 1: 123-128 '59.
Influence of the Turshu health resort area and the Shiran mineral water on the evacuative capability of the stomach. A. I. Karaev, R. I. Safarov. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech.* no. 3: 9-14 '59.
- GATCHINA—COMMUNITY AND SCHOOL**
Planning and organization of kindergartens. D. Batkina. *Doshk. vosp.* 36 no. 2:45-46 F '63.
- GAY REGION (ORENBURG PROVINCE)—CHALCOPYRITE**
Some geochemical problems of underground waters in the supergene zone of the Gay copper pyrite deposit [with summary in English]. A. M. Cherniaev, L. E. Cherniaeva. *Geokhimiia* no. 10:904-914 '62.
- GAY REGION (ORENBURG PROVINCE)—WATER, UNDERGROUND**
Some geochemical problems of underground waters in the supergene zone of the Gay copper pyrite deposit [with summary in English]. A. M. Cherniaev, L. E. Cherniaeva. *Geokhimiia* no. 10:904-914 '62.
- GAZLI REGION—ROCKS, SEDIMENTARY**
Petrographic characteristics of Cretaceous sediments in the Gazli uplift. Kh. Kh. Avazkhodzhaev. *Uzb. geol. zhur.* 7 no. 1:15-25 '63.
- GEAR CUTTING**
Determining the width of the groove for the withdrawal of hobbing cutter in machining herringbone gear wheels. D. P. Rosilichenko, A. V. Lokosov. *Vest. mashinostr.* 43 no. 4:61-62 Ap '63.
Improvement of technological processes in stamping bicycle gears. N. M. Latkova, N. G. Drozdova. *Prom. energ.* 18 no. 1:11 Ja '63.
- GEAR-CUTTING MACHINES**
Device for gear cutting. A. I. A. Perepelkin. *Shkola i proizvod.* 7 no. 4:73-75 Ap '63.
- GEARING**
Analysis of and outlook for future development of turbo-transmissions building machines. A. I. Voishchinnin. *Sbor. trud. MIST* no. 39:350-354 '61.
[Gear wheels of motor vehicles and tractors; design] Zubchatye koleasa avtomobilei i traktorov; proektirovaniye i raschet. Minsk. Izd-vo M-va Vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 394 p.
Liquid friction and load distribution in globoid gears. P. S. Zak, I. A. Bogin, D. E. Goller. *Vest. mashinostr.* 43 no. 4:34-39 Ap '63.
Planetary reducing gears manufactured abroad. I. V. Sigov, V. F. Veruga. *Vest. mashinostr.* 43 no. 4:81-86 Ap '63.
[Reducing gears; design and testing] Reduktory; konstruktii, raschet i ispytaniia. [By] B. L. Davydov, B. A. Skorodumov, I. V. Bubyri. Moskva, Mashgiz, 1963. 472 p.
Standardization of reducing gears and electric-motor reducers. *Standartizatsiia* 27 no. 2:12-14 F '63.
- GEARING—LUBRICATION**
Effect of transmission oil quality on the performance of gears. G. I. Skundin, G. A. Akopian. *Standartizatsiia* 27 no. 2:14-19 F '63.
- GEARING—WELDING**
T-butt welding of gear shift forks on an MTZ-50 tractor. V. L. Vengrinovitch, V. K. Marchenko. *Avtom. svar.* 16 no. 3:76-78 Mr '63.
- GEARING, BEVEL**
Manufacture of bevel gears for calculating machines by means of cold closed-die forging. A. V. Solov'eva. *Kuz.-shtam. proizvod.* 5 no. 3:41-42 Mr '63.
- GEARING, SPUR—TESTING**
Devices for checking low-module spur gears. N. N. Markov, P. A. Satserdotov. *Standartizatsiia* 27 no. 4: 10-18 Ap '63.
- GEARING, WORM—TESTING**
Unit for testing worm gears. S. F. Fonarev, A. A. Kul'bach, V. A. Dzheinson. *Metod. isp. det. mash. i prib.* no. 2:10-15 '62.
- GEESSE** see subdivision under *Russia, Northern*
- GENERALIZED SPACES** see *Spaces, Generalized*
- GENERATIVE ORGANS—FISHES**
Characteristics of spermatogenesis in sexually immature male fishes. O. B. Chernyshov. *Visnyk Kyiv. un.* no. 3, Ser. biol. no. 1:143-147 '60.
Kuz'min, A. N. [Development of the reproductive system in carp in different latitudes] Razvitiye vosproizvoditel'noi sistemy u karpov, obitalushchikh v raznykh shiro-takh. Leningrad, 1957. 64 p. (Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut ozernogo i rechnogo khoziaistva. Izvestiia, vol. 43, no. 1) [With summary in English.]
- GENERATORS, ELECTRIC** see *Electric generators*
- GENETICS**
Effect of space flight factors on some biological indices in insects [with summary in English]. I. A. L. Glem-botskii, G. P. Parfenov. *Probl. kosm. biol.* 2:98-115 '62.
Formation of enzymes and the genetic code. D. M. Bonner. *Biokhimiia* 28 no. 1:186-190 Ja-F '63.
Importance of microbiological objects in the study of pathological changes in genetic coding. N. N. Zhukov-Verezhnikov and others. *Vest. AMN SSSR* 17 no. 12: 49-59 '62.
Recombination of genetic systems in micro-organisms. S. Z. Mindlin, V. V. Sukhodolets, Zhur. VKHO 8 no. 1: 56-68 '63.
- GENTHELVITE** see subdivision under *Kola Peninsula*
- GEOCHEMICAL PROSPECTING**
(see also subdivision under *Armenia; Kirsa Range*)
Basic concepts of the hydrochemical prospecting method for ore deposits. A. A. Brodskii. *Vop. gidrogeol. i inzh. geol.* no. 20:88-110 '62.
Sokolov, V. A., and G. G. Grigor'ev. [Methods and results of gas geochemical prospecting for oil and gas] Metodika i rezultaty gazovyi geokhimicheskikh neftegazopol'skoykh rabot. Moskva, Gosoptekhnizdat, 1962. 402 p.
- GEOCHEMISTRY**
(see also subdivision under *Soviet Central Asia*)
Formation of the halos of dispersion of molybdenum and the estimation of their potential. A. S. Mikhailov. *Trudy SNIIGGIMS* no. 25:187-194 '62.
Geochemical transformations of petroleum in the lithosphere [with summary in English]. P. F. Andreev. *Geokhimiia* no. 10:880-888 '62.
On the geochemistry of interstitial waters of the Quaternary and Pliocene deposits of the southern Caspian. Z. V. Pushkina. *Dokl. AN SSSR* 148 no. 4:921-924 F '63.
Using the spectrum of gamma rays for detecting the dispersion halos of radium. N. D. Balasany and others. *Izv. AN SSSR, Ser. geofiz.* no. 4:596-605 Ap '63.
- GEODESY—ABSTRACTS**
[Geodesy] Ref. zhur.: Geod. no. 5 My '63.
- GEODIMETER**
Required accuracy and range of a geodimeter for mine surveying. G. I. Borodulin. [Trudy] VNIMI no. 45:81-89 '62.
- GEOGRAPHICAL NAMES** see *Names, Geographical*
- GEOGRAPHICAL RESEARCH**
Scientific work of the Institute of Geography of the Academy of Sciences of the U. S. S. R. in 1962. I. P. Gerasimov. *Izv. AN SSSR, Ser. geog.* no. 2:111-115 Mr-Apr '63.
- GEOGRAPHY**
(see also subdivision under *Turkmenistan*)
Akademiia nauk SSSR. Institut nauchnoi informatsii. [Collection of articles on geography] *Geograficheski sbornik. Moskva, Proizvodstvenno-izdatel'skii kombinat VINITI*, 1963. 242 p. (Raboty po teoreticheskimi i spetsial'nym voprosam nauchno-tekhnicheskoi informatsii)
Geographical news in the U. S. S. R. and abroad. *Geog. v shkole* 26 no. 2:67-76 Mr-Apr '63.
This could be used in the geography lesson. *Geog. v shkole* 26 no. 2:8, 25, 34 Mr-Apr '63.
- Work report of the National Committee of Soviet Geographers in 1962. M. B. Gornung, T. M. Lebedeva, *Izv. AN SSSR, Ser. geog.* no. 2:130-137 Mr-Apr '63.
- GEOGRAPHY—ABSTRACTS**
[Geography] Ref. zhur.: Geog. nos. 4-5 Ap-May '63
Avtorskii ukazatel' za 1962 g.
[Geology] Ref. zhur.: Geol. no. 5 My '63.
- GEOGRAPHY—AUDIO-VISUAL AIDS**
Anko, M. T. [Home-made visual aids for geography and how to work with them] Samorodni nauchni posredky i geografii ta robota z nymy. 2., perer. i dop. vyd. Kyiv, Radlans'ka shkola, 1962. 184 p.
- GEOGRAPHY—BIBLIOGRAPHY** see *Bibliography—Geography*
- GEOGRAPHY—CONGRESSES**
Work themes of the sections at the 22d International Geographical Congress. *Izv. AN SSSR, Ser. geog.* no. 2:137-139 Mr-Apr '63.
- GEOGRAPHY—EXAMINATIONS, QUESTIONS, ETC.**
Testing students' knowledge in the course of the geography of the parts of the world and most important states. A. A. Efimova, V. A. Korlukina. *Geog. v shkole* 26 no. 2:77-81 Mr-Apr '63.
- GEOGRAPHY—PERIODICALS**
Survey of letters to the editor. A. A. Dunettii. *Geog. v shkole* 26 no. 2:64-65 Mr-Apr '63.
- GEOGRAPHY—STUDY AND TEACHING**
Achievements in the study of the cosmonaut and the satellite education of students. P. N. Karimov. *Geog. v shkole* 26 no. 2:42-46 Mr-Apr '63.
Always on the go. I. U. A. Iakovlev. *Geog. v shkole* 26 no. 2:58-60 Mr-Apr '63.
Boarding school students' independent work in geography lessons. B. A. Sakharov. *Geog. v shkole* 26 no. 2: 54-55 Mr-Apr '63.
Central "pedagogical readings" on geography in 1961. A. E. Bibik, L. M. Panchushniyova. *Geog. v shkole* 26 no. 2:82-84 Mr-Apr '63.
Learning geography from a map in the eight-year school. N. M. Iakovlev. *Geog. v shkole* 26 no. 2:72-74 Mr-Apr '63.
Letters to the editor. *Geog. v shkole* 26 no. 2:60-61 Mr-Apr '63.
Several factors determining the effectiveness of a geography lesson. N. N. Studenkov. *Geog. v shkole* 26 no. 2:39-40 Mr-Apr '63.
Students' independent work in geography lessons. A. B. Chentemirova. *Geog. v shkole* 26 no. 2:56-58 Mr-Apr '63.
Thematic planning. G. V. Shvetsov. *Geog. v shkole* 26 no. 2:52-53 Mr-Apr '63.
- GEOGRAPHY—TERMINOLOGY**
"Geographical conversion tables" [in English] by D. K. Amiran, A. P. Schick. Reviewed by E. E. Shvetsov. *Izv. Vses. geog. ob-va* 95 no. 1:98-97 Ja-F '63.
- GEOGRAPHY, ECONOMIC**
(see also subdivision 'Economic geography' under *Europe, Eastern; Kirghizistan*)
Geograficheskoo obshchestvo SSSR. [Economic geography of the U. S. S. R. in perspective] Ekonomicheskaiia geografiia SSSR v perspektive. Moskva, Geografika, 1962. 320 p. (DSC)
- GEOGRAPHY, ECONOMIC—MAPS** see also subdivision 'Economic geography—Maps' under *Novosibirsk Province*
- GEOGRAPHY, ECONOMIC—METHODOLOGY**
Koval'skaya, N. I. A. [Methodology for economic geography research] Metodika ekonomiko-geograficheskikh issledovaniy; uchebnoe posobie dlia geograficheskikh fakul'tetov universitetov. [Moskva] Izd-vo Mosk. univ., 1963. 233 p.
- GEOLOGICAL RESEARCH**
Deep drilling. N. A. Beizaevalki, V. V. Fedynskii. *Peiroda* 52 no. 3:108-109 '63.
- GEOLOGICAL RESEARCH—EQUIPMENT AND SUPPLIES**
For the mechanization of geological studies. S. P. Semennikhin. *Avt. dor.* 26 no. 2:32-3 of cover F '63.
- GEOLOGICAL SURVEYS**
(see also subdivision under *Angara Valley*)
Instructive experience of geological surveys. M. A. Aitkozhiin. *Bezop. truda v prom.* 7 no. 4:14-16 Ap '63.
- GEOLOGICAL SURVEYS—COSTS**
Unproductive expenditures in geological survey work. O. Syrom'iatnikov. *Ekon. Rad. Ukr.* no. 2:111-112 Mr-Apr '63.

GEOLOGICAL TIME

(see also subdivision under Dnieper Valley; Dnieper Valley; Leningrad region; Siberian Platform)

Possibility of determining the absolute age of rocks by comparative birefringence dispersion. E. A. Kuznetsov, Z. O. Chibrikhina, Sov. geol., 6 no. 2:150-152 F '63.

GEOLOGY

(see also subdivision under Balkan Mountains; Carpathian Mountains; Charkov region; Dnieper Valley; El'gygytyn Lake region; Enderby Land; Guseinovskaya Depression; Mongolia; Naftalan; Siberia; Ukraine; Ural Mountains; Zerkashan Range region)

Geometrical elements of minerals. L. I. Chetverikov, Sov. geol., 6 no. 2:118-120 F '63.

The most important scientific problem [with summary in English]. S. S. Kuznetsov, V. I. Lebedev, V. M. Sinitsyn, Vest. LGU 18 no. 6:8-11 '63.

Possibilities of using methods of modern mathematics in geology [with summary in English]. I. U. A. Voronin, Geol. i geofiz., no. 1:124-128 '63.

Scientific session devoted to the 22d Congress of the Communist Party of the Soviet Union, I. M. Plakhtova, Vest. LGU 18 no. 6:151-152 '63.

GEOLOGY—BIBLIOGRAPHY see Bibliography—Geology

GEOLOGY—HISTORY

Gora, N. K. [Manual on practical work in historical geology] Rukovodstvo k prakticheskim занятиям по исторической геологии, [Leningrad] Izd-vo Leningrad. univ., 1962, 257 p.

GEOLOGY—MAPS

(see also subdivision under Kursk Magnetic Anomaly; Siberia; Siberian Platform)

Conference on the methods of compiling metallogenic and prognostic maps. T. M. Matsokina, V. A. Voronich, Uzb. geol. zhur., 7 no. 1:47-48 '63.

GEOLOGY, ECONOMIC

Levinsk, B. S. [Economic geology] Voprosy ekonomicheskoi geologii, Moskva, Izd-vo Akad. nauk SSSR, 1963, 335 p.

GEOLOGY, STRATIGRAPHIC

(see also subdivision under Aktyubinsk Province; Altai Mountains; Azerbaijan; Bol'shezemel'skaya Tundra; Georgia; Kara-Tau; Kara Valley, Pay-Khoy; Kazakhstan; Kuznetsk Basin; Ob' Valley; Olenek Valley; Russia, Southern; Sikhote-Alin' Range; Soviet Central Asia; Soviet Far East; Tuva A. S. S. R.; Ural Valley; Ust-Urt; Uzbekistan; Vitim Plateau; Volga Valley; Zangozur Range)

Activity of the permanent commission of the Interdepartmental Stratigraphic Committee on Ordovician and Silurian sediments in the U. S. S. R., O. N. Khaletskaya, Uzb. geol. zhur., 7 no. 1:45-46 '63.

Resolutions of the Permanent Stratigraphic Commission of the Interdepartmental Stratigraphic Committee on Ordovician and Silurian sediments in the U. S. S. R., Sov. geol., 6 no. 4:141-144 Ap '63.

Resolutions of the Permanent Stratigraphic Commission of the Interdepartmental Committee on the Paleogene of the U. S. S. R., Sov. geol., 6 no. 4:145-154 Ap '63.

Stratigraphy and the tempo of the evolution of insects, O. M. Martynova, A. G. Sharov, Paleont. zhur., no. 1:137-138 '63.

GEOLOGY, STRUCTURAL

(see also subdivision under Altai Mountains; Anabar Valley; Apsheron Peninsula; Baltic Sea region; Caspian Sea region; Central Siberian Plateau; Dzhdzha Valley; Kamchatka Depression; Karakul'dzha Valley; Khatanga Valley; Korea; North; Mongolia; Sayan Mountains; Stanovoy Range; Ural Mountain region; Volga-Ural region; Volga Valley; Yenisey Valley)

Conference on tectonics, Geol. nefti i gaza 7 no. 3:63-64, 3 of cover Mr '63.

"Geophysical methods in regional structural geology" by B. A. Andreev, Reviewed by V. V. Belousov, E. E. Folladi, Sov. geol., 6 no. 2:156-157 F '63.

Methods for plotting the subsurface structural plans of the Ust' Yenisey region based on aeromagnetic data, N. N. Lastochkina, Trudy NIIGA 132:187-191 '62.

Recent tectonic movements as one of the manifestations of solar activity, A. D. Sytinskii, Geomag. i aer., 3 no. 1:148-155 Ja-F '63.

GEOLOGY, STRUCTURAL—MAPS see subdivision under Dzungarian Ala-Tau; Russia, Northern

GEOLOGY, STRUCTURAL—NOMENCLATURE

"Tectonic and genetic classification of mobile regions" by L. I. Krasnyi, Reviewed by K. V. Bogolepov, L. M. Parfenov, Geol. i geofiz., no. 1:129-133 '63.

GEOMETRY

"Geometry: textbook for grades 6-8" by N. N. Nikitin, Reviewed by A. A. Stoliar, T. A. Peskov, Mat. v shkole no. 2:76-79 Mr-Apr '63.

Geometry textbook for the ninth grade of secondary schools, I. M. Iaglom, Mat. v shkole no. 2:12-18 Mr-Apr '63.

Ignatius, G. I. [The branches of geometry] Votvi geometrii, Moskva, Izd-vo "Znanie," 1963, 55 p. (Novos. v zhizni, nauke, tekhnike. IX Seriya: Fizika i khimiya, no. 5)

GEOMETRY—STUDY AND TEACHING

Axial symmetry, V. G. Boltianskii, I. M. Iaglom, Mat. v shkole no. 2:16-28 Mr-Apr '63.

GEOMETRY, DESCRIPTIVE

Bubennikov, A. V. [Descriptive geometry; principal methods for projecting geometric forms on a plane] Nachertatel'naya geometriya; osnovnye metody proektirovaniya geometricheskikh form na ploskost', Moskva, Vses. zaachnyi politekh. in-t, Lektsia no. 1, 1959, 25 p.

[MICROFILM]

Kniaz'kov, M. A., and E. K. Lukashova, [Exercises in descriptive geometry] Uprazhneniia po nachertatel'noi geometrii, Izd. 4, perer. i dop. Moskva, Gos. izd-vo lit-ry po stroit., arkh. i stroit. materialam, 1962, 81 p.

[MICROFILM]

Posviatskii, A. D., and N. N. Ryzhov, [Problems in descriptive geometry] Sbornik zadach po nachertatel'noi geometrii, Pod red. N. F. Chetverukhina, Izd. 2, Moskva, Vysshaya shkola, 1963, 288 p.

GEOMETRY, NON-EUCLIDEAN

Constructions in a Lobachevskii space using a rule with parallel edges, A. F. Semenov, Izv. vys. ucheb. zav., mat. no. 3:140-152 '63.

GEOMORPHOLOGY

(see also subdivision under Kamchatka; Schirmacher Ponds; Tien Shan)

Geomorphology of accumulative lacustrine-alluvial plains, D. A. Timofeev, Izv. AN SSSR, Ser. geog. no. 2: 14-24 Mr-Apr '63.

Morphometric calculations on the Ural-2 Electronic Digital Computer, A. V. Bulgakov, Transp. stroi., 13 no. 4:58-59 Ap '63.

Some methodological problems of modern geomorphology [with summary in English], A. F. Grachev, Vest. LGU 18 no. 6:63-70 '63.

GEOMORPHOLOGY—CONGRESSES

Conference of the Presidium of the Geomorphological Committee of the Division of Geologic and Geographic Sciences of the Academy of Sciences of the U. S. S. R., D. A. Timofeev, Izv. AN SSSR, Ser. geog. no. 2:116-117 Mr-Apr '63.

GEOPHYSICAL RESEARCH see subdivision under Antarctic regions

GEOPHYSICS

"Geophysical methods in regional structural geology" by B. A. Andreev, Reviewed by V. V. Belousov, E. E. Folladi, Sov. geol., 6 no. 2:156-157 F '63.

Is the earth swelling? Does it gain weight? I. Kirillov, Uzb. geol. zhur., 7 no. 4:52-56 Ap '63.

GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur.: Geofiz., no. 5 My '63.

GEOPHYSICS—DICTIONARIES

Trifonova, N. F., and Z. D. Cherkulaeva, comps. [English-Russian astronomical and geophysical dictionary] Anglo-russkii astrofizicheskii slovar', Pod red. N. P. Ben'kova, V. A. Bronshteyn, A. G. Maslovich, Moskva, Glav. red. inostr. nauchno-tekhn. slovarov i flimantov, 1962, 512 p.

GEOPHYSICS—OBSERVATION see subdivision under Shackleton Ice Shelf region

GEORGIA—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

We shall repair our agricultural machinery in time and in an excellent manner, A. Rukhadze, Blok. agit. [Gruz.] 19 no. 23:15-17 D '62.

GEORGIA—APPLE—DISEASES AND PESTS

Method for controlling the apple-tree borer, G. A. Bilanishvili, Zashch. rast. ot vred. i bol., 6 no. 11:27 N '61.

GEORGIA—CLEANING MOTHS—EXTERMINATION

Method for controlling the apple-tree borer, G. A. Bilanishvili, Zashch. rast. ot vred. i bol., 6 no. 11:27 N '61.

GEORGIA—COMMERCE

"Domestic trade of the Georgian A. S. S. R.: 1921-1932" by V. I. Abuladze, Reviewed by A. Makharashvili, A. Shirokov, Sov. torg. 36 no. 2:38 F '63.

GEORGIA—COMMUNIST EDUCATION

How to train propagandists, M. Kur'ianov, Blok. agit. [Gruz.] 19 no. 23:18-22 D '62.

GEORGIA—FIRES AND FIRE PREVENTION

Decrease in the number of fires, V. Baramidze, Pozh. delo 9 no. 4:28 Ap '63.

GEORGIA—GEOLOGY, STRATIGRAPHIC

The Upper Pliocene continental deposits in Georgia and their connection with the pluvial regime, D. V. Tsereteli, Izv. AN SSSR, Ser. geog. no. 2:87-90 Mr-Apr '63.

GEORGIA—LUMBER—TRANSPORTATION

Characteristics of timber skidding in the mountains of Georgia, A. D. Lagidze, Les. khoz., 16 no. 1:58-59 Ja '63.

GEORGIA—MOTION-PICTURE PLAYS

Grandmother, Ilko, Ilarion and the motion-picture camera, M. Turovskaya, Isk. kino 33 no. 3:15-17 '63.

GEORGIA—OAK

Use of the radiometric method in determining photosynthesis in forestry, S. Sh. Chikashvili, Bot. zhur., 48 no. 3:395-402 Mr '63.

GEORGIA—OIL FIELDS

Chemicoanalytical characteristics of sedimentary rocks of some oil fields in Georgia, Report No. 1, E. G. Davitashvili and others, Trudy Inst. khim. AN Gruz. SSR 16:21-30 '62.

GEORGIA—PRODUCE TRADE

Let's expand urban cooperative trade, A. Begishvili, Sov. potreb. koop. 7 no. 2:24-26 F '63.

GEORGIA—RIVERS

Coefficient of flow fluctuation for large rivers in the Georgian S. S. R. and the Northern Caucasus and its change in dependence on the calculated outflow, T. V. Shvalidze, I. S. Barkhudarova, Trudy Inst. energ. AN Gruz. SSR 16:13-30 '62.

GEORGIA—TEA

A girl by the name of Vinary, M. Lushko, Ukraina no. 4:7 F '63.

GEORGIA—WINE AND WINE MAKING—ANALYSIS

Composition of the nitrogen substances in Georgian wines, G. I. Beridze, M. G. Sirbiladze, Biokhim. vin, no. 7:102-118 '63.

GEORGIAN LANGUAGE—DICTIONARIES—RUSSIAN

Serebrnikov, S. B., comp. [Old Georgian-Russian dictionary] Drevnegruzinsko-russkii slovar', po dvum drevnim redaktsiiam chetveroglava, Tbilisi, Akad. nauk Gruzinskoi SSR, 1962, 285 p. (MI)

GEORGIYEVS'K DISTRICT—POLITICS AND GOVERNMENT

Manifold problems of an enlarged district, N. Ivzhenko, Sov. deput. trud., no. 4:16-20 Ap '63.

GERBILS—EXTERMINATION

Testing the effect of a mixture of automobile exhaust gases and insecticide dust for the formation of a protective zone in a focus of cutaneous leishmaniasis, I. U. D. Chugunov and others, Vop. kraev. paraz. Turk. SSR 3:153-156 '62.

GERBILS AS CARRIERS OF DISEASE see subdivision under Turkmenistan

GERIATRICS

Acute appendicitis in elderly and senile patients, I. U. V. Anzozhnikov, Trudy Kish. gos. med. inst., 12:55-72 '60.

Acute leukemia in elderly and senile persons, T. V. Korovina, Trudy Kish. gos. med. inst., 12:125-128 '60.

Characteristics of sudden death from cerebral apoplexy in elderly and senile persons, P. G. Arashev, Trudy Kish. gos. med. inst., 12:137-143 '60.

Characteristics of the clinical aspects and treatment of liver echinococcosis in elderly and senile patients, E. G. Koval', Trudy Kish. gos. med. inst., 12:53-58 '60.

Characteristics of the course of portal hypertension in elderly and senile persons, L. P. Shulak, Trudy Kish. gos. med. inst., 12:35-38 '60.

Characteristics of the preanesthetic preparation of elderly and senile patients [with summary in English], B. V. Chetverushkin, V. B. Rumiantsev, Sov. med. 26 no. 1:42-46 Ja '63.

Clinical and anatomical data to establish the characteristics of the course of acute appendicitis in elderly and senile persons, V. I. Makovenko, Trudy Kish. gos. med. inst., 12:73-75 '60.

Clinical significance of changes in the peritoneum in acute suppurative peritonitis in elderly and senile persons, L. P. Shulak, Trudy Kish. gos. med. inst., 12:31-33 '60.

Clinical X-ray characteristics of pneumonia in elderly and senile patients, A. P. Burkalov, Trudy Kish. gos. med. inst., 12:115-119 '60.

Dispensary service for elderly and senile surgical patients under the conditions of a rural medical district, R. L. Tsvang, Trudy Kish. gos. med. inst., 12:111-114 '60.

Hypercholesterolemia in elderly persons, I. I. Maksimova, Trudy Kish. gos. med. inst., 12:121-124 '60.

- GERIATRICS (Continued)**
- Immediate and late results of surgical treatment in obliterative endarteritis and senile gangrene. I. V. Kirnichanskii. Trudy Kish. gos. med. inst. 12:97-104 '60.
- Kishinev, Gosudarstvennyi meditsinskiy institut. [Problems of geriatrics] Voprosy geriatrit. Kishinev, Shtiintsa, 1960, 142 p. (DC)
- Late results of suturing perforating gastric ulcer in elderly patients. K. A. Tsybyrne. Trudy Kish. gos. med. inst. 12:49-52 '60.
- Morphological changes in the diaphragm in peritonitis in elderly and senile persons treated with antibiotics. S. M. Lutsenko. Trudy Kish. gos. med. inst. 12:9-17 '60.
- Perforating gastric ulcers in elderly persons. I. V. Astrozhnikov. Trudy Kish. gos. med. inst. 12:45-48 '60.
- Problem of surgical geriatrics. P. V. Ryzhov. Trudy Kish. gos. med. inst. 12:5-8 '60.
- Rational treatment of fractures of the femoral neck in elderly and senile persons. I. V. Kirnichanskii. Trudy Kish. gos. med. inst. 12:81-86 '60.
- Rheumatic fever and chronic septic endocarditis in elderly and senile persons. T. V. Korovina, I. A. Iakovleva. Trudy Kish. gos. med. inst. 12:129-136 '60.
- Side effects of antibiotics in elderly and senile surgical patients. A. M. Aptekareva. Trudy Kish. gos. med. inst. 12:23-30 '60.
- Some characteristics of the course and healing of bone fractures in elderly and senile persons in X-ray representation. N. I. Mil'man. Trudy Kish. gos. med. inst. 12:87-92 '60.
- Some problems of blood transfusion in elderly and senile patients. A. M. Aptekareva. Trudy Kish. gos. med. inst. 12:19-21 '60.
- Some problems of osteosynthesis in fractures in elderly and senile patients. P. F. Bytka. Trudy Kish. gos. med. inst. 12:77-80 '60.
- Surgical tactics in perforating gastric and duodenal ulcers in elderly and senile patients. E. N. Maloman. Trudy Kish. gos. med. inst. 12:33-44 '60.
- Treatment of cancer of the sigmoid colon in elderly and senile patients. K. A. Tsybyrne. Trudy Kish. gos. med. inst. 12:61-64 '60.
- Use of exercise therapy with elderly and senile patients in a surgical clinic. R. N. Krotchenko. Trudy Kish. gos. med. inst. 12:105-110 '60.
- Use of fresh nerves for transplantation in elderly patients. P. M. Korzhenko. Trudy Kish. gos. med. inst. 12:93-98 '60.
- GERMAN CHILDREN** see subdivision under France
- GERMAN DEMOCRATIC REPUBLIC** see Germany, East
- GERMAN FEDERAL REPUBLIC** see Germany, West
- GERMAN LANGUAGE—ADJECTIVE**
- Forming of adjectives in German. P. N. Nozhenko. Uch. zap. Irk. gos. ped. inst. inostr. iaz. no. 6:122-132 '62.
- GERMAN LANGUAGE—ADVERB**
- Development of the adverbs "hin" and "her" in German. E. I. Voshechinina. Uch. zap. LGU no. 318:76-89 '62.
- GERMAN LANGUAGE—AFFIXES**
- History of some noun suffixes in German. K. V. Shkolina. Uch. zap. LGU no. 318:109-120 '62.
- GERMAN LANGUAGE—AUDIO-VISUAL AIDS**
- Electric apparatus for vocabulary work. Inostr. iaz. v shkole no. 2:98-99 Mr-Apr '63.
- Foreign language study room in evening schools. L. I. Babkina. Inostr. iaz. v shkole no. 2:98-99 Mr-Apr '63.
- Shadow theater. L. D. Agronovskaya. Inostr. iaz. v shkole no. 1:75-84 Ja-F '63.
- GERMAN LANGUAGE—CHRESTOMATHIES AND READERS**
- Do footnotes help? R. I. Goffenshofer. Inostr. iaz. v shkole no. 2:101-102 Mr-Apr '63.
- GERMAN LANGUAGE—DICTIONARIES—RUSSIAN**
- Troitskiy, A. D., and others, comps. [German-Russian printing dictionary] Nemetsko-russkii poligraficheskiy slovar'. Pod red. A. N. Chernysheva. Moskva, Fizmatgiz, 1962, 375 p.
- GERMAN LANGUAGE—FOREIGN WORDS AND PHRASES—ENGLISH**
- Some characteristics of the German language in West Germany; from press materials. M. I. Tsvilling. Uch. zap. kaf. zap. inostr. iaz. IMO no. 3:142-155 '60.
- GERMAN LANGUAGE—GRAMMAR**
- The construction "sein" with participle II from intransitive verbs. P. N. Nozhenko. Uch. zap. Irk. gos. ped. inst. inostr. iaz. no. 6:102-121 '62.
- Grammatical significance of the constructions "haben + Infinitiv" and "sein + Infinitiv." I. M. Smolianskii. Uch. zap. LGU no. 318:34-47 '62.
- Lexical approach to the teaching of grammar. V. S. Sokirko. Inostr. iaz. v shkole no. 2:12-17 Mr-Apr '63.
- GERMAN LANGUAGE—GRAMMAR, COMPARATIVE—ENGLISH**
- Participles in German and English; method of teaching German on the basis of English. N. D. Artemiuk. Uch. zap. kaf. zap. inostr. iaz. IMO no. 3:156-170 '60.
- GERMAN LANGUAGE—IDIOMS, CORRECTIONS, ERRORS**
- Origin of phraseological units. A. P. Khazanovich. Uch. zap. LGU no. 318:131-146 '62.
- GERMAN LANGUAGE—NOUN**
- History of some noun suffixes in German. K. V. Shkolina. Uch. zap. LGU no. 318:109-120 '62.
- GERMAN LANGUAGE—PARTICIPLE**
- Forming of adjectives in German. P. N. Nozhenko. Uch. zap. Irk. gos. ped. inst. inostr. iaz. no. 6:122-132 '62.
- Lexical-grammatical meanings of participle II in modern German. P. N. Nozhenko. Uch. zap. Irk. gos. ped. inst. inostr. iaz. no. 6:82-101 '62.
- GERMAN LANGUAGE—PREPOSITIONS**
- Use of prepositions to designate space and time relations in modern German. K. P. Akulova. Uch. zap. LGU no. 283:3-11 '61.
- Use of prepositions "von," "durch" and "mit" with the passive and in constructions with the participle. K. V. Shkolina. Inostr. iaz. v shkole no. 2:105-110 Mr-Apr '63.
- GERMAN LANGUAGE—SENTENCES**
- Correlation in causal sentences of the Old High German period. A. Kurkina. Uch. zap. Irk. gos. ped. inst. inostr. iaz. no. 6:48-81 '62.
- Grammatical significance of sentences with indirect partial interrogatives; from materials on the German language. E. V. Rumiantseva. Uch. zap. LGU no. 318:63-75 '62.
- GERMAN LANGUAGE—SPOKEN GERMAN**
- Development of oral speech during the lessons in evening schools. V. N. Dmitriev. Inostr. iaz. v shkole no. 1: 90-93 Ja-F '63.
- For an efficient lesson in the fifth grade. V. V. Antonova. Inostr. iaz. v shkole no. 2:92-94 Mr-Apr '63.
- GERMAN LANGUAGE—STUDY AND TEACHING**
- Annotated exercises in evening school classes. A. Stegmanis. Inostr. iaz. v shkole no. 1:93-95 Ja-F '63.
- Festival of German language. L. D. Agronovskaya. Inostr. iaz. v shkole no. 1:100 Ja-F '63.
- First German language lessons in the fifth grade. E. G. Lernerman. Inostr. iaz. v shkole no. 1:85-89 Ja-F '63.
- From the practice of teacher E. K. Tikhomirova. N. V. Markushevich. Inostr. iaz. v shkole no. 1:65-71 Ja-F '63.
- General review lessons. E. A. Orlova. Inostr. iaz. v shkole no. 2:45-53 Mr-Apr '63.
- How I teach the German language to grade 5-8 students. I. M. Vol'dman. Inostr. iaz. v shkole no. 1:98-99 Ja-F '63.
- Initiation of the teaching of German to foreigners in the German Democratic Republic. G. S. Necheva. Vop. iaz. i lit. no. 3:139-147 '62.
- Language games in schools. N. D. Zhelezniakov. Inostr. iaz. v shkole no. 2:72-78 Mr-Apr '63.
- New goals need new programs and textbooks. A. A. Gerdt. Inostr. iaz. v shkole no. 2:27-32 Mr-Apr '63.
- Oral speech, reading and writing at the elementary state of instruction. V. M. Kiselev. Inostr. iaz. v shkole no. 1:54-59 Ja-F '63.
- Physical education in classes. Z. P. Vodneva. Inostr. iaz. v shkole no. 2:64-67 Mr-Apr '63.
- Some methods of teaching German lexicon in advanced courses of the specialized school. V. I. Nevekaia. Uch. zap. Irk. gos. ped. inst. inostr. iaz. no. 6:140-159 '62.
- Teaching the German language in the senior grades of evening (staggered) schools. G. L. Levin. Inostr. iaz. v shkole no. 2:53-68 Mr-Apr '63.
- "Textbook on the theory of the grammar and lexicology of the German language" by L. R. Zinder, T. V. Stroeve. Reviewed by O. I. Moskal'skaya. Inostr. iaz. v shkole no. 2:120-121 Mr-Apr '63.
- Third graders speak German. Nach. shkola 31 no. 3:92 Mr '63.
- GERMAN LANGUAGE—STYLE**
- Figurative role of some syntactic means in modern German. D. B. Zamchuk. Uch. zap. LGU no. 283:60-68 '61.
- Grammatical significance of the constructions "haben + Infinitiv" and "sein + Infinitiv." I. M. Smolianskii. Uch. zap. LGU no. 318:34-47 '62.
- Some characteristics of the German language in West Germany; from press materials. M. I. Tsvilling. Uch. zap. kaf. zap. inostr. iaz. IMO no. 3:142-155 '60.
- Studies on the construction of sentences in German at the beginning of the 16th century; according to the works of Thomas Muntzer. L. S. Korobova. Uch. zap. LGU no. 283:83-97 '61.
- Stylistic analysis of excerpts from literature. N. V. Kiseleva. Uch. zap. Irk. gos. ped. inst. inostr. iaz. no. 6: 133-139 '62.
- Thought functions of phrases such as "Beistand leisten, zum Ausdruck bringen." T. P. Zemina. Uch. zap. LGU no. 283:60-82 '61.
- GERMAN LANGUAGE—SYNTAX**
- Compound verbal predicate in modern German. K. P. Akulova. G. N. Eikhbaum. Uch. zap. LGU no. 318: 21-33 '62.
- Figurative role of some syntactic means in modern German. D. B. Zamchuk. Uch. zap. LGU no. 283:60-68 '61.
- Role of word order in connecting clauses without conjunctions in modern German. M. A. Ovsiannikova. Uch. zap. LGU no. 318:48-62 '62.
- Studies on the construction of sentences in German at the beginning of the 16th century; according to the works of Thomas Muntzer. L. S. Korobova. Uch. zap. LGU no. 283:83-97 '61.
- GERMAN LANGUAGE—TERMS AND PHRASES**
- Thought functions of phrases such as "Beistand leisten, zum Ausdruck bringen." T. P. Zemina. Uch. zap. LGU no. 283:60-82 '61.
- GERMAN LANGUAGE—TRANSLATING**
- Vulfert, I. L. [Manual for the translation of scientific-technical German texts] Posobie po perevodu nemetskogo nauchno-tekhnicheskogo teksta. [2. izd.] Moskva, Izd-vo lit-ry na inostr. iazykakh, 1961, 261 p.
- GERMAN LANGUAGE—VERB**
- Some means of expressing direction of movement in German. I. U. N. Afon'kin. Uch. zap. LGU no. 318: 80-108 '62.
- Strong and weak verbs in German; on some articles appearing in American periodicals. E. A. Krashinsky. Nauch. dokl. vys. shkoly; filol. nauki no. 1:139-167 '63.
- GERMAN LANGUAGE—WORD FORMATION**
- History of some noun suffixes in German. K. V. Shkolina. Uch. zap. LGU no. 318:109-120 '62.
- GERMAN LANGUAGE—WORD ORDER**
- Role of word order in connecting clauses without conjunctions in modern German. M. A. Ovsiannikova. Uch. zap. LGU no. 318:48-62 '62.
- GERMAN REUNIFICATION QUESTION (1949-)**
- "War and peace and Germany" (in English) by Fred Warner Neal. Reviewed by M. Ziborova. Mezhdunar. zhizn' 10 no. 5:137-139 My '63.
- GERMANIC LANGUAGES—GRAMMAR, COMPARATIVE**
- Linguistic bases of teaching methods. A. A. Khadeeva-Bykova. Uch. zap. kaf. zap. inostr. iaz. IMO no. 3:171-18 '60.
- GERMANIUM**
- Breakdown of thin germanium films at low temperatures. B. M. Vul, E. I. Zavaritskaya, I. V. Davydova. Fiz. tver. tela 5 no. 4:1107-1113 Ap '63.
- Capture and trapping of electrons on positively charged tellurium atoms in germanium. K. D. Olmchuk, N. M. Litovchenko, E. G. Miselluk. Fiz. tver. tela 5 no. 3: 942-944 Mr '63.
- Effect of an electric field on the diffusion of thallium on single-crystal germanium. N. I. Ibragimov, M. G. Shakhmatinskii, A. A. Kuliev. Fiz. tver. tela 5 no. 3: 862-864 Mr '63.
- Emission of hot electrons from germanium. I. K. Pozhela, V. I. Shital'nikas. Fiz. tver. tela 5 no. 3:733-733 Mr '63.
- Germanium minerals in pyritic copper ores. A. D. Kalenov, V. I. Anikeeva, S. B. Maslenkov. Dokl. AN SSSR 149 no. 3:675-678 Mr '63.
- Mechanism of the accumulation of germanium in iron ores and coals. O. V. Shcherbak. Min. syr'e no. 6: 101-113 '62.
- Recombination properties of manganese in germanium. E. G. Landenberg, S. G. Kalashnikov. Fiz. tver. tela 5 no. 4:1067-1076 Ap '63.
- Some data on the germanium distribution in the oxidation zone of a coal seam. M. A. Men'kovskii, S. A. Gordon, K. I. Kazantseva. Dokl. AN SSSR 149 no. 4:919-920 F '63.
- Temperature dependence of the activation energy of the second and third levels of copper in germanium. I. I. Ivanov. Fiz. tver. tela 5 no. 4:1217-1218 Ap '63.
- Thermal and physical constants of germanium and silicon. I. U. G. Burov, A. A. Uglov, L. M. Anishechenko. Trudy MIT no. 138:217-223 '61.
- GERMANIUM CRYSTALS—GROWTH**
- Indium and gallium interaction during the crystallization of germanium from melts containing these elements. V. S. Zomskov, A. D. Belais, T. E. Puris. Fiz. tver. tela 5 no. 4:1100-1103 Ap '63.
- Mechanism underlying the growth of epitaxial layers of germanium from the gaseous phase. E. I. Givargisov. Fiz. tver. tela 5 no. 4:1150-1157 Ap '63.
- Producing germanium films by the iodide method. G. A. Kurov. Kristallografiya 7 no. 6:957 N-D '62.
- GERMANIUM HYDRIDES**
- Reaction of trichlorogermane with butadiene. V. F. Mironov, T. K. Gar. Izv. AN SSSR. Otd. khim. nauk no. 3:578 Mr '63.

GERMANIUM ORGANIC COMPOUNDS

Reaction of diazoacetic ester with unsaturated compounds of silicon and germanium. I. E. Dolgii, A. P. Moshchevskov, G. K. Galvoronskaya. Izv. AN SSSR. Otd. khim. nauk no. 3:572-575 Mr '63.

GERMANY—CONCENTRATION CAMPS

Marunchak, M. G. [System of Nazi concentration camps and the policy of extermination in the Ukraine] Sistema nimeets'kykh kontsentratsionnykh i polityky vynyshchuvannya v Ukraini. Winnipeg, Zahal'na biblioteka "YKT," 1963. 87 p.

GERMANY—HISTORY

Abusch, Alexander. [A nation's wrong course; a contribution to the understanding of German history. Translated from the German] Lozhnyi put' odnoi natsii, k ponimaniyu germanoi istorii. Moskva, [Izd-vo sotsial'no-ekon. lit-ry] 1962. 348 p. (RU)

"History of the 'Integrative' efforts of German imperialism" [In German] by Leo Stern. Reviewed by A. S. Grossman. Vop. ist. 38 no. 4:176-177 Ap '63.

"Our road toward the disaster of 1945" [In German] by Helmut Krausenick. Reviewed by A. I. Borozniak. Vop. ist. 38 no. 4:184-185 Ap '63.

GERMANY—HISTORY—SOURCES

Helmoldus, Presbyter bosovlonensis, fl. 1160. [The chronicle of the Slavs. Translated from the Latin] Slavianskaya khronika. Moskva, Izd-vo Akad. nauk SSSR, 1963. 298 p. (Pamiatniki srednevekovoi istorii narodov Tsentral'noi i Vostochnoi Evropy)

GERMANY—TRIALS (TREASON)

"A treason trial in Leipzig in 1872." Reviewed by F. G. Riabov. Vop. ist. 38 no. 4:168-170 Ap '63.

GERMANY—WORLD WAR, 1939-1945—PRISONERS AND PRISONS

Mama is proud of her son. Mol. komm. no. 2:77-87 F '63.

GERMANY, EAST—BOOKSELLERS AND BOOKSELLING

On a high plane. Sov. imzh. torg. 14 no. 4:44 Ap '63.

GERMANY, EAST—BUILDING MATERIALS

Plastics in construction in the German Democratic Republic. H. Hildebrand. Na stroi. Ros. 4 no. 4:27 Ap '63.

GERMANY, EAST—CEREAL PRODUCTS—PACKAGING

Packing of grain products by volume in the German Democratic Republic (from "Die Getreidemühle," no. 1, 1962). G. Bardyshev. Muk. elev. prom. 29 no. 1: 29-30 Ja '63.

GERMANY, EAST—COAL MINING MACHINERY

New running equipment on excavators, mobile bridges, and other machines. P. Waechter. Sbor. trud. MISI no. 39:231-235 '61.

GERMANY, EAST—COMMERCE—RUSSIA

Socialist cooperation. Ogonek 41 no. 15:3 Ap '63.

GERMANY, EAST—COMMUNIST PARTY

Based on the production principle. Part. zhizn' no. 9: 69-71 My '63.

GERMANY, EAST—CONVEYING MACHINERY

Heavy-duty mobile transportation equipment for coal and soil. W. Lieberwilt. Sbor. trud. MISI no. 39:308-321 '61.

Study of the operation of heavy-duty belt conveyors. I. Bar. Sbor. trud. MISI no. 39:322-334 '61.

GERMANY, EAST—CRIME PREVENTION

Combination of social and administrative measures in the prevention of crime in the German Democratic Republic. S. Bobotov. Sots. zakon. 39 no. 7:36-38 Jl '62.

GERMANY, EAST—EARTHMOVING MACHINERY

Development of a theory of working ground with earthmovers and haulage vehicles. G. Kuehn. Sbor. trud. MISI no. 39:406-408 '61.

GERMANY, EAST—ECONOMIC POLICY

Based on the production principle. Part. zhizn' no. 9: 69-71 My '63.

GERMANY, EAST—EDUCATION

Our Makarenko. Werner Kientz. Nar. obr. no. 4:99-101 Ap '63.

Problems of education and training at the sixth Congress of the Socialist Unity Party of Germany. M. A. Sokolova. Sov. pedagog. 27 no. 4:113-118 Ap '63.

GERMANY, EAST—EDUCATION—PERIODICALS

The main topic is work. G. Khoshchanova. Shkola-int. no. 1:90-91 Ja-F '63.

GERMANY, EAST—ENGLISH LANGUAGE—STUDY AND TEACHING

Stick to English [In English]. Albert Barkhardt. Inostr. iaz. v shkole no. 2:88-90 Mr-Apr '63.

GERMANY, EAST—EXCAVATING MACHINERY—ELECTRIC DRIVING

Drives on rotary bucket excavators. E. Machling. Sbor. trud. MISI no. 39:244-249 '61.

GERMANY, EAST—FOREST MANAGEMENT

Diversified forest management in the German Democratic Republic. S. P. Nikiforov, B. I. Groshev. Les. khoz. 16 no. 1:79-85 Ja '63.

GERMANY, EAST—MINE RAILROADS—ROLLING STOCK

Damage, wear, and lubrication of the wheel bands of rolling stock in open-pit mining of brown coal in the German Democratic Republic. E. Schaffhirt. Sbor. trud. MISI no. 39:448-452 '61.

GERMANY, EAST—MOTORCYCLE INDUSTRY

Achievements of the East-German motorcycle industry. N. Pavlov. Za rul. 20 no. 5:16-17 My '62.

GERMANY, EAST—NONWOVEN FABRICS

Manufacture of nonwoven textiles on the "Mallpol" machine [translated from the German]. S. Ploch, K. Petzoldt. Tekst. prom. 23 no. 4:63-69 Ap '63.

GERMANY, EAST—PAINTING, INDUSTRIAL

Latex paints. L. Goerliche, Y. Krenke. Na stroi. Ros. 4 no. 4:27 Ap '63.

GERMANY, EAST—PHYSICAL EDUCATION AND TRAINING—PERIODICALS

On the pages of "Theorie und Praxis der Körperkultur" published in the German Democratic Republic. S. Petrov. Teor. i prak. fiz. kul't. 28 no. 4:63-66 Ap '63.

GERMANY, EAST—PLASTICS

Plastics in construction in the German Democratic Republic. H. Hildebrand. Na stroi. Ros. 4 no. 4:27 Ap '63.

Plastics in sanitary engineering. Na stroi. Ros. 4 no. 4:28 Ap '63.

GERMANY, EAST—RESTAURANTS, LUNCHROOMS, ETC.

In socialist countries: reading-room cafes run by newspaper and magazine publishers. Obshchestv. pit. no. 2: 61-62 F '63.

GERMANY, EAST—RUSSIAN LANGUAGE—STUDY AND TEACHING

Developing new methods for lexicology work. Klaus Guenter. Inostr. iaz. v shkole no. 1:106-116 Ja-F '63.

GERMANY, EAST—SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES

Plastics in sanitary engineering. Na stroi. Ros. 4 no. 4:28 Ap '63.

GERMANY, EAST—SHIPBUILDING

Power plant and air conditioning system on the ship "Fritz Heckert" (from "VEB Vortag Technik," 1962). Sudostroenie 20 no. 3:58-59 Mr '63.

GERMANY, EAST—STRIP MINING—EQUIPMENT AND SUPPLIES

Practice of mechanizing work and equipment repair in strip mines. I. Bar. Sbor. trud. MISI no. 39:409-410 '61.

GERMANY, EAST—TRADE UNIONS

How the labor law of the German Democratic Republic protects the rights of free trade unions. Z. Symorot. Rad. pravo no. 2:115-122 Mr-Apr '63.

GERMANY, EAST—TRANSPORTER BRIDGES

Principles of the design and construction of mobile bridges. R. Hageman. Sbor. trud. MISI no. 39:288-297 '61.

GERMANY, WEST—BRIDGES—DESIGN AND CONSTRUCTION

Adhesion of reinforced concrete and metal in the construction of a bridge (from "Der Bauingenieur," no. 10, 1962). V. P. Kan'shin. Transp. stroi. 13 no. 3:50 Mr '63.

GERMANY, WEST—CHURCHES

Volikovich, L. N. [Holmeis and soulmates: religion in the service of West-German imperialism] Kaski i sutany; religija na sluzhbu zapadnogermanskikh imperialisov. Moskva, Voenizdat, 1962. 113 p. (Nauchno-populiarnaya biblioteka)

GERMANY, WEST—DUELING

Scars instead of diplomas. Smena 30 no. 12:17 Jo '62.

GERMANY, WEST—ECONOMIC POLICY

Bonn; policy of blackmail and aggression. P. Kriukov, V. Molin. Mezhdunar. zhizn' 10 no. 5:14-22 My '63. "West German neoliberalism: criticism of the theory and economic policy" by V. N. Kotov. Reviewed by B. Fomlin. Vop. ekon. no. 4:127-129 Ap '63.

GERMANY, WEST—ECONOMICS—PERIODICALS

"Der Volkswirt." K. Gofman. Mir. ekon. i mezhdunar. otn. no. 2:135-138 '63.

GERMANY, WEST—ELECTRONIC INDUSTRIES

Great Britain and West Germany in the electronic market [with English summary in appendix]. A. Perekhodtsev. Vnesh. torg. 43 no. 3:17-21 '63.

GERMANY, WEST—FOREIGN RELATIONS

"War and peace and Germany" [In English] by Fred Warner Neal. Reviewed by M. Ziborova. Mezhdunar. zhizn' 10 no. 5:137-139 My '63.

GERMANY, WEST—FOREIGN RELATIONS—FRANCE

Our diary of international events. Ukraina no. 5:5 Mr '63.

The road to Sedan. A. Manfred. Nov. vrem. 20 no. 10: 11-14 My '63.

GERMANY, WEST—INDUSTRIES

"Structural changes in the industry of the U.S.A., Great Britain and the Federal Republic of Germany in the postwar years." Reviewed by A. Mifetkovskii. Mir. ekon. i mezhdunar. otn. no. 4:151-155 '63.

GERMANY, WEST—LABOR AND LABORING CLASSES

Social maneuvering of West German monopolies: opportunities and limits. O. Sal'kovskii. Mir. ekon. i mezhdunar. otn. no. 4:30-42 '63.

GERMANY, WEST—LOBBYING

Lobbying crosses the ocean. Mezhdunar. zhizn' 10 no. 5:148-149 My '63.

GERMANY, WEST—MARINE DIESEL ENGINES

Pneumatic remote control of marine diesel engine system (from "Motortechnische Zeitschrift," no. 11, 1961; "Shipbuilder and Marine Engine Builder," no. 656, 1962). L. M. Vidutskii. Sudostroenie 29 no. 4:64-67 Ap '63.

GERMANY, WEST—MILITARY POLICY

Bonn; policy of blackmail and aggression. P. Kriukov, V. Molin. Mezhdunar. zhizn' 10 no. 5:14-22 My '63. Ministers change, revanche stays. A. Markov. Sov. voen. 45 no. 3:46 F '63.

GERMANY, WEST—NAVAL ARCHITECTURE—PATENTS

Foreign patents. Sudostroenie 29 no. 3:65 Mr '63.

GERMANY, WEST—POLITICS AND GOVERNMENT

Hitler's testament in a schoolbag. IU. Aleksandrov. Smena 30 no. 16:14 Ag '62.

"Schizophrenic Germany" [In English] by John Dornberg. Reviewed by M. Sergun. Mir. ekon. i mezhdunar. otn. no. 4:148-151 '63.

GERMANY, WEST—RAILROADS—TRACK

Continuous rail tracks on the railroads of the Federal German Republic. S. P. Pershin. Zhel. dor. transp. 46 no. 1:92-96 Ja '63.

GERMANY, WEST—RESTAURANTS, LUNCHROOMS, ETC.—EQUIPMENT AND SUPPLIES

Carts for carrying food and clean dishes. Obshchestv. pit. no. 1:61 Ja '63.

GERMANY, WEST—RUSSIAN STUDIES

"Russia (the U. S. S. R.)" [In German] by Marion von Grass. Reviewed by IU. A. Poliakov. Ist. SSSR 7 no. 1:220-221 Ja-F '63.

Some new methods in the work of the West German "Ostforschung." G. N. Zverev. Vop. ist. 38 no. 4: 192-194 Ap '63.

GERMANY, WEST—STRIKES AND LOCKOUTS—METALWORKERS

The end of a legend. Nov. vrem. 20 no. 19:10 My '63.

GERMANY, WEST—WAR CRIME TRIALS

Fascist butchers won't escape the deserved punishment. V. Ponomarev. Komm. Bel. 37 no. 3:83-88 Mr '63.

GERMANY, WEST—WAR CRIMINALS

"Schizophrenic Germany" [In English] by John Dornberg. Reviewed by M. Sergun. Mir. ekon. i mezhdunar. otn. no. 4:148-151 '63.

GERMANY, WEST—WELDING

Welding in metalwork in the German Federal Republic (from materials of a visit by a Soviet delegation to metallurgical plants in the German Federal Republic). N. S. Kubanov, V. T. Cherednichok. Avtom. svar. 16 no. 4:87-94 Ap '63.

GERMANY, WEST—YOUTH

Ornaments of the "free" world. Mol. komm. no. 2:123-124 F '63.

GERMINATION

Germinating force and vigor of coniferous seeds as related to their color. V. I. Abramova, A. M. Solov'eva. Trudy Ural. lesotekh. inst. no. 17:97-98 '60.

GERMS see Microorganisms

GERTSENZON, ALEKSEI ADOL'FOVICH, 1902-

A. A. Gertsenzon's 60th birthday. Izv. vys. ucheb. zav. ; prav. 6 no. 2:170 '62.

GHANA—DESCRIPTION AND TRAVEL

Mozheiko, I. V. [This is Ghana] Eto - Ghana. Moskva, Izd-vo vostochnoi lit-ry, 1962. 127 p. (Puteshestviya po stranam Vostoka)

GHANA—THEATER

Experimental studio of Ghana drama. A. Kokiev, V. Ramzen. Teatr 24 no. 4:157-158 Ap '63.

- GIARDIASIS**
Significance of lamblia in gastrointestinal diseases in infants. A.I. Avenirova. *Pediatrics* 41 [i.e. 42] no. 2:45-48 F '63.
- GIBBERELLIN**
Effect of vitamins B₁ and H and gibberellin on the growth of the fungus *Fomitopsis annosa* (Fr.) Karst. S. F. Negruskii. *Nauch. dokl. vys. shkoly; biol. nauki* no. 2: 144-147 '63.
Results of first experiments with gibberellin. A. N. Bugakova, N. Lysenko. *Trudy Kras. SKHI* 3 no. 1:248-252 '59.
- GIBSH, ISIDOR ARONOVICH, 1883-1963**
Isidor Aronovich Gibsh; obituary. A. I. Margulis. *Mat. v shkole* no. 2:86 Mr-Apr '63.
- GILEL'S, EML' GRIGOR'EVICH, 1916-**
New program of E. Gilel's. Mark Mil'man. *Sov. muz.* 27 no. 1:97-98 Ja '63.
- GINZBURG, LEV NAUMOVICH, d. 1963**
Lev Naumovich Ginzburg; obituary. *Torf. prom.* 40 no. 3:40 '63.
- GIRDERS** see Beams and girders
- GISSAR RANGE—QUARTZ**
Recrystallization of quartz in the Khandza ore deposit. P. V. Pankrat'ev. *Uzb. geol. zhur.* 7 no. 1:34-38 '63.
- GISSAR VALLEY—SEISMOLOGY**
Reduced seismic accelerations in earthquakes. S. A. Shaginian. *Biul. Sov. po seism.* no. 14:128-132 '63.
- GLACIAL EPOCH**
Editor's mail box. A. I. Moskvitin. *Biul. Kom. chetv. per.* no. 27:162 '62.
- GLACIERS**
Tushinskii, G. K. [Glaciers, snow, and avalanches in the Soviet Union] *Ledniki, snezhniki, laviny Sovetskogo Soyuza*. Moskva, Geografiz, 1963. 310 p.
- GLASS**
Effect of the medium on the formation and development of surface microcracks in strained glass. A. I. Kitai-gorodskii, L. N. Kopytov. *Dokl. AN SSSR* 149 no. 3: 580-582 Mr '63.
Electron paramagnetic resonance in silicate glasses containing trivalent titanium. N. S. Garif'yanov, M. I. Rubtsov, I. U. M. Ryzhmanov. *Stek. i ker.* 20 no. 3:11-12 Mr '63.
Glass as photosensitive material. *IUn. tekhn.* 7 no. 12: 12-13 D '62.
Luminescence and forced radiation from glass activated with neodymium. P. P. Feofilov and others. *Izv. AN SSSR. Ser. fiz.* 27 no. 4:465-472 Ap '63.
Rapid method of determining the modulus of liquid glass by the value of the hydrogen index. I. U. P. Vasin, A. P. Nikiforov. *Stroi. mai.* 9 no. 3:35-38 Mr '63.
Theoretical principles of the synthesis of silates from slags. I. I. Kitai-gorodskii. *Zhur. VKHO* 8 no. 2:192-197 '63.
- GLASS—ANALYSIS**
Rapid method of determining the total quantity of alkali metal oxides in glass. A. I. Bukreev. *Stek. i ker.* 20 no. 3:32-35 Mr '63.
- GLASS—BIBLIOGRAPHY** see Bibliography—Glass
- GLASS—CONGRESSES**
Improve the production of glass for use in medicine and chemical laboratories. *Stek. i ker.* 20 no. 3:45-47 Mr '63.
- GLASS—ELECTRIC PROPERTIES**
Electrical properties of glasses. R. L. Muller. *Zhur. VKHO* 8 no. 2:197-204 '63.
- GLASS—TESTING**
Lowering the strength of glass by mechanically damaging its surface. L. N. Kopytov. *Stek. i ker.* 20 no. 3:8-10 Mr '63.
Special features of producing and checking tempered glass parts of overhead line insulators. T. D. Andriukhina, N. A. Nikolaev. *Stek. i ker.* 20 no. 3:13-15 Mr '63.
- GLASS BLOWING AND WORKING—HYGIENIC ASPECTS**
Contribution of innovators. V. Golovin. *Okhr. truda i sloz. strakh.* no. 4:13 Ap '63.
- GLASS CONTAINERS—CLEANING**
Double-cycle washing machine for three-liter glass containers. M. N. Polin. *Kons. i ov. prom.* 18 no. 5:6-7 My '63.
- GLASS CUTTING—EQUIPMENT AND SUPPLIES**
New head for the semiautomatic device for cutting ornamental glass. V. I. Riabyka. *Stek. i ker.* 20 no. 3:31 Mr '63.
- GLASS FIBERS**
Imparting strength and hydrophobic properties to fabrics made of glass fibers. L. V. Golosova. *Plast. massy* no. 3:88-71 '63.
Use of phosphorus-containing resins in the production of glass-phase textolites and plastic foams. E. B. Trostian-skaya and others. *Plast. massy* no. 4:16-18 '63.
- GLASS FURNACES**
"Electric glass melting" by M. Manvelian and others. Reviewed by A. Pakhlevanian. *Prom. Arm.* 8 no. 1: 74-76 Ja '63.
Furnaces with a frontal charging pocket equal to the width of the tank. M. I. Koz'min. *Stek. i ker.* 20 no. 3:4-5 Mr '63.
Zakhar'kov, N. A. [Heat-exchange processes in glass furnaces] *Teplotobmennye protsessy v steklovarenykh pechakh*. Kiev, Gostekhtizdat USSR, 1962. 246 p.
- GLASS MANUFACTURE**
Automatic checking of the speed of a sheet of glass on vertical glass drawing machines. V. G. Gutop, I. B. Kalinin. *Stek. i ker.* 20 no. 3:1-3 Mr '63.
"Electric glass melting" by M. Manvelian and others. Reviewed by A. Pakhlevanian. *Prom. Arm.* 8 no. 1: 74-76 Ja '63.
Improve the process of producing glass on vertical glass drawing machines. A. N. Simonov. *Stek. i ker.* 20 no. 3:6-7 Mr '63.
Manvelian, M. G., and others. [Electric glass founding] *Elektrovarka stekla*. Erevan, Armianskoe gos. izd-vo, 1962. 221 p.
New career of glass. Z. Braslavs'kiy. *Nauka i zhytlin* 12 no. 2:7-8 F '63.
- GLASS MANUFACTURE—HYGIENIC ASPECTS** see sub-division under Ordzhonikidze
- GLASS PIPE** see Pipe, Glass
- GLASS REINFORCED PLASTICS**
A copy which is better than its original. L. Pozniak. *Ukraina* no. 4:20-21 F '63.
Experimental construction of houses from plastic. I. U. Dykhovichnik. *Na stroi. Ros.* 4 no. 4:16-17 Ap '63.
Heat control instrument panels made of glass-reinforced plastic. E. D. Klimovitskii, M. I. Vigdergauz, R. M. Malova. *Sudostroenie* 29 no. 3:52 Mr '63.
Method for improving the properties of glass plastics. V. V. Bodrova and others. *Plast. massy* no. 3:30-32 '63.
Some theoretical and practical prerequisites for the production of transparent glass plastics. A. I. Volk, V. N. Arkidzhovskii. *Plast. massy* no. 4:46-48 '63.
Useful book on glass plastics. Reviewed by B. L. Rudoi. *Khim. mashinostr.* no. 2:47 Mr-Apr '63.
- GLASS REINFORCED PLASTICS—PAINTING**
New methods of painting plastic marine structures. N. I. Rumiantsev. *Sudostroenie* 29 no. 4:61-62 Ap '63.
- GLASS REINFORCED PLASTICS—TESTING**
Static tension testing of glass plastics of the type AG-4S. P. F. Koshelev, I. M. Makmutov, E. I. Stepanychev. *Plast. massy* no. 4:66-69 '63.
- GLAUCOMA**
Observations of outpatients with glaucoma in the F. E. Dzerzhinskii Polyclinic. M. M. Lagereva. *Sbor. nauch. - prak. rab. Poliklin. im. F. E. Dzerzh.* no. 2:232-233 '61.
Our experience in the preoperative preparation of glaucoma patients. T. I. A. Kasymov, E. P. Arkhangelskaya. *Med. zhur. Uzb.* no. 8:52-55 Ag '62.
- GLAUCONITE**
Catalytic conversion of n-heptane in the presence of glauconite. B. L. Kvirkashvili. *Trudy Inst. khim. AN Gruz. SSR* 18:89-98 '62.
- GLAZES**
Studying the microstructure of glazes for tableware china dependent on the composition and temperature conditions of glazing. O. F. Iarmak. *Leh. prom.* no. 1:77-83 Ja-Mr '63.
- GLEN CANYON HYDROELECTRIC POWER STATION (UNITED STATES)**
The building of the Glen Canyon Hydroelectric Power Station. R. I. Bobrov. *Gidr. stroi.* 33 no. 4:51-54 Ap '63.
- GLIADIN**
Structural changes in gliadin caused by γ -irradiation of wheat grain [with summary in English]. M. S. Reznichenko, E. E. Rydalevskii, E. S. Gankina. *Biokhimiia* 28 no. 1:52-56 Ja-F '63.
- GLIDERS (AERONAUTICS)—MODELS**
The "Strika" cord model. V. Matveev. *IUn. tekhn.* 7 no. 2:28-29 F '63.
- GLIDING AND SOARING**
Good take-off to you! Kryl. *rod.* 14 no. 3:1 Mr '63.
Theory of the soaring flight (to be concluded). N. Fadseev. *Kryl. rod.* 14 no. 3:17-18 Mr '63.
Wind in the blue skies. Viktor Honcharenko. *Ukraina* no. 4:22-23 F '63.
- GLOBULIN**
Electrophoretic and immunochemical analysis of the blood serum of mice irradiated with a lethal dose. of X rays [with summary in English]. K. P. Kashkin, P. N. Grabar, J. Courcon. *Biokhimiia* 28 no. 1:89-100 Ja-F '63.
- GLOVES (SURGERY)**
Treatment of surgical rubber gloves by the method of Iakovleva. M. I. Korzhagina. *Med. i biol.* 21 no. 12:51-52 D '62.
- GLUCOSE**
Use of bentonite for the purification of glucose. T. A. Ladur, I. P. Dubinskaya. *Sakh. prom.* 37 no. 1: 58(210)-62(222) Mr '63.
- GLUING**
Akademiia stroitel'stva i arkhitektury SSSR. *Nauch. organizatsii, mekhanizatsii i tekhnicheskoe put'stvo stroitel'stva*. [Gluing wooden structural elements is a field of high-frequency currents] *Steklovatekhnicheskii stroitel'nykh izdoli v pole tokov vysokichastoty; po materialam TSNII stroitel'nykh konstruktiv ASIA SSSR i drugih organizatsii*. Moskva, Gosstroizdat, 1962. 42 p.
[MICRONIJM]
Characteristics of the technology of gluing parts. S. Popov. *Tekhn. v sel'khoz.* 23 no. 1:73-74 Ja '63.
Anson, A. L., and V. F. Kochan. [Utilization of wood waste from woodworking enterprises by means of gluing] *Ispol'zovanie kuskovykh otkhodov dereva iz vyvalushchikh predpriatii putem sklevanija*. Moskva, Goslesbumizdat, 1962. 101 p.
- GLUING—EQUIPMENT AND SUPPLIES**
Glue spraying unit. P. N. Zhuravlevskii. *Stroitel'stvo*. A. Gotskii. *Avi. transp.* 4 no. 8:82-83 Ag '63.
- GLUKHOVO—TEXTILE FABRICS**
New items in the assortment of the Lenin Glukhovo State Combine. A. V. Balovnev, M. I. Strakhov. *Tekhn. prom.* 23 no. 3:7-8 Mr '63.
- GLUTAMIC ACID**
More about the use of sugar beet molasses as a material for the production of glutamic acid. H. T. Barabanov, E. A. Grivtsova. *Sakh. prom.* 37 no. 1: 26(186)-27(187) Mr '63.
- GLUTAMIC ACID—OPTICAL PROPERTIES**
Electric and dynamic birefringence of poly-L-glutamate solutions [with summary in English]. V. M. TSvetkov and others. *Vysokomol. soed.* 8 no. 4:43-44 Mr '63.
- GLUTAMIC OXALACETIC TRANSAMINASE**
Role of sulfhydryl groups in maintaining the catalytic active structure of aspartate-glutamate transaminase. I. U. M. Torchinitskii, A. E. Braunstein. *Dokl. AN SSSR* 148 no. 4:952-955 F '63.
- GLUTAMINE**
Data on the intensity of N¹⁵ incorporation into the amino group of the glutamine of skeletal muscles at different various origin [with summary in English]. H. T. Barabanov, I. P. Trush. *Ukr. biokhim. zhur.* 34 no. 3: 714 '62.
- GLUTARIC ACID**
Simplified method for the synthesis of glutaric acid. V. V. Nikol'skii. *Lab. delo* 6 no. 3:23-25 Sr '63.
- GLUTATHIONE**
Effect of microelements (Mn and B) on the dynamics of glutathione content in leaves and stems of the grapevine. S. I. Mininberg, B. P. Khomitskii, M. M. Glinkova. *Vopr. Khim. i biokhim. Uzb.* no. 1:63-67 '63.
- GLYCERIDES**
Polymorphism of higher monoacid triglycerides studied by means of a volumetric microdilometer with an automatic recording device. G. B. Davich, B. M. Kopylov, B. G. Krylov. *Izv. AN SSSR. Old. khim. nauk* no. 3: 481-487 Mr '63.
- GLYCEROL**
Synthesis of some ethers of glycerol. T. V. Sushkova, G. L. Popov. *Zhur. VKHO* 8 no. 2:232-234 '63.
- GLYCIDOL**
Copolymers of unsaturated glycidol esters. Copolymerization of glycidyl methacrylate with methyl methacrylate in solvents. M. F. Sorokin and others. *Plast. massy* no. 3:3-7 '63.
- GLYCINE**
Compounds of indium with glycocoll. A. P. Koshelev, V. G. Tronev, O. N. Giliarov. *Zhur. neorg. khim.* 1 no. 3:772-774 Mr '63.
Neodymium hydroxyoxoglycinate and hydroxyoxoglycinate. O. E. Zviagintsev, E. V. Goncharov. *Zhur. neorg. khim.* 8 no. 3:760-770 Mr '63.
Reaction of lanthanum nitrate with glycine. W. V. Goncharov. *Zhur. neorg. khim.* 8 no. 3:770-772 Mr '63.
Reverse piezoelectric effect of triglycine sulfate. A. I. Potchenkov, M. P. Zaitseva. *Kristallografiia* 1 no. 4: 934-937 N-D '62.
- GLYCINE CRYSTALS**
Frequency dependence of the coercive field of triglycine sulfate crystals. Z. Malek and others. *Fiz. tverd. tela* 5 no. 3:961-962 Mr '63.

GLYCOGEN

Distribution of succinic dehydrogenase, nucleic acids, and glycogen in the neurons of the spinal ganglia and motoneurons of the spinal cord in the embryos and fetuses of sheep [with summary in English]. I. Bulkis. Izv. AN Latv. SSR no. 2:105-113 '63.

Glycogen fractions in the liver, muscles and the yolk sac of the chick embryo [with summary in English]. Z. P. Zheludkova, Biokhimiia 28 no. 1:31-35 Ja-F '63.

GLYCOLYSIS

Enzymatic links determining the glycolysis rate in the microsomes of the Ehrlich ascitic cancer cells [with summary in English]. K. N. Sorokin, Biokhimiia 28 no. 1:18-21 Ja-F '63.

GLYCOPROTEINS

Glycoproteins of the blood serum in rheumatic fever [with summary in English]. V. A. Tikhonravov and others. Vop. revm. 1 no. 3:60-64 Ji-S '61.

GOATS—DISEASES AND PESTS

Using turpentine in enzootic catarrhal and catarrhal-hemorrhagic inflammation of intestines in goats. E. M. Krépyshchev. Trudy Kras. SKH 3 no. 1:93-99 '60.

GOLI—BIRDS—GEOGRAPHICAL DISTRIBUTION

Outline of the geographical distribution of birds of the Mongolian Gobi. G. P. Dement'ev. Ornitologiya no. 4: 376-382 '62.

GOGOL', NIKOLAI VASIL'EVICH, 1809-1852

Kanunova, F. Z. [Some characteristics of the realism of N. V. Gogol'; on the interrelation of the realistic and romantic origins in the aesthetics and works of the writer] Nekotorye osobennosti realizma N. V. Gogola; o sootnoshenii realisticheskogo i romanticheskogo nachal v estetike i tvorchesvo pisatelia, Tomsk, Izd-vo Tomskogo univ., 1962, 133 p. (CaOTU)

GOTER

(see also subdivision under Novomikhaylovskoye, Krasnodar Territory)

Dynamics of the absorption of radioactive iodine by athletes with goiter during physical training. I. S. Khorol. Teor. i prak. fiz. kul't. 26 no. 3:39-40 Mr '63.

Endemic goiter. N. Draznin. Belarus' 20 no. 4:27 Ap '63.

GOTER—CONGRESSES

International Conference on the Problems of Endemic Goiter. Z. M. Mamedov. Azerb. med. zhur. no. 2:91-94 F '62.

GOLD see subdivision under Kuznetsk Basin; Siberia, Eastern

GOLD ORES see subdivision under Indigirka Valley

GOLOBIN, ALEKSANDR IAKOVLEVICH, 1893-1930

GoLOBIN's lessons. IU. Nekhoroshev. Teatr 24 no. 3: 35-42 Mr '63

GOLODNAYA STEPPE—RECLAMATION OF LAND

In the sunny land of legendary Gullistan. G. Abdullaev. Mol. komm. no. 7:11-12 Ji '62.

GOLOVNAYA HYDROELECTRIC POWER STATION

Initial cofferdamming of the Vakhsh River in construction of the Golovnaya Hydroelectric Power Station. V. G. Ivanov. Gidr. stroi. 33 no. 2:23-26 F '63.

GOMEL'—AERONAUTICS—SOCIETIES, ETC.

Results of compromising. N. Kobzyev. Kryl. rod. 14 no. 3:20 Mr '63.

GOMEL'—FLOUR MILLS

Volunteer design office at the Gomei' Milling Combine. D. Pushkin. Muk. -elev. prom. 29 no. 1:12 Ja '63.

GOMEL'—HOSIERY INDUSTRY

Shock workers' ribbons decorate their machinery. An. Shaulina. Belarus' 20 no. 3:4-5 Mr '63.

GOMEL'—KNIT GOODS INDUSTRY

Maryia Kulebina, a cutter. K. Apatiau. Rab. i stal. 39 no. 4:15 Ap '63.

GOMEL' REGION—AMUR CORK TREE

Study of the root systems of the Amur cork tree in mixed and pure stands. A. F. Kuchinskii. Bot. zhur. 48 no. 2:258-262 F '63.

GONIMETERS

Adjustment of the APU-2 gonimeter. A. S. Porvanov. Izv. tekhn. no. 3:9 Mr '63.

GONOMETRY

Prospects for the photogoniometric studies of crystals with a complex surface. V. A. Moklevskii, Ch. D. Dzhabarov. Zap. Vses. min. ob-va 92 no. 1:15-25 '63.

GONORRHEA

Röntgenographs of the seminal vesicles (vesiculography) of gonorrhea patients taken from cadaveric material. M. U. Mirzagatov. Med. zhur. Uzb. no. 8:69-71 Ag '62.

GONZALEZ MÁNTICI, ENRIQUE

Cuban conductor. G. Iudin. Sov. muz. 27 no. 4:86 Ap '63.

GOOSEBERRIES see subdivision under Karaganda

GOOSEBERRIES—DISEASES AND PESTS see subdivision under Ukraine

GORBENKO, EFIM MARKOVICH, 1902-1962

Efim Markovich Gorbenko; an obituary. Sudostroenie 29 no. 4:74 Ap '63.

GORKII, MAKSYM, 1898-1936

Bialik, B. A. [M. Gor'kii as a dramatist] M. Gor'kii - dramaturg. Moskva, Sovetskii pisatel', 1962, 635 p. (CaOTU)

From M. Gor'kii's letters. E. Pesikova. Ogonek 41 no. 13:10 Mr '63.

Gor'kii and Forsh. T. V. Evplova. Nauch. dokl. vys. shkoly; filol. nauki no. 1:3-18 '63.

Our famous unforgettable author. Mikhail Lyn'kou. Belarus' 20 no. 3:22-23 Mr '63.

There will be discussions... E. Balatova. Teatr 24 no. 4:9-10 Ap '63.

This is how Gor'kii worked. B. Bialik. Ogonek 41 no. 13:9 Mr '63.

GORKIY—AUTOMOBILE INDUSTRY WORKERS—EDUCATION AND TRAINING

Resolutions of the party should be studied more thoroughly. V. Kadinkin. Polit. samsozr. 7 no. 3:90-92 Mr '63.

GORKIY—CHILDREN'S CLUBS

Sashka will be a foreman. V. Tiukket'. Smena 40 no. 9:16-17 My '63.

GORKIY—COLD STORAGE WAREHOUSES—TECHNOLOGICAL INNOVATIONS

Work of efficiency promoters in the Gorkiy Cold Storage Warehouse No. 2. V. I. Trutnev, IU. G. Gruzdev. Khol. tekhn. 40 no. 2:53-54 Mr-Apr '63.

GORKIY—MEDICINE, INDUSTRIAL

We can't fight disease by persuasion... E. Semenov. Okhr. truda i soc. strakh. 6 no. 3:17-19 Mr '63.

GORKIY—MOTION-PICTURE THEATERS

A powerful ideological weapon. IU. Kurganov. Komsom. zhizn' no. 2:18-21 Ja '62.

GORKIY—MOTOR VEHICLES

Gorokhovskii, DM, and others. [Motor vehicles manufactured at the Gorkiy Automobile Plant] Avtomobil Gor'kovskogo zavoda. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1963, 390 p.

GORKIY—POLICEWOMEN

Voluntary policewomen. I. Kozlova. Agitator no. 15: 57-59 Ag '62.

GORKIY—RESTAURANTS, LUNCHROOMS, ETC.

For a high title. A. Timofeeva. Sov. potreb. koop. 7 no. 2:21 F '63.

GORKIY DISTRICT—WOMEN IN PUBLIC LIFE

Deep furrows. M. Marushevich. Rab. i stal. 39 no. 3: 6 Mr '63.

GORKIY PROVINCE—AFFORESTATION

Forest stands on peat bogs. P. F. Ivanov. Les. khoz. 16 no. 1:78 Ja '63.

GORKIY PROVINCE—AGRICULTURE—STUDY AND TEACHING

Experimental work of the Gorkiy Province school students. S. V. Loginov. Biol. v shkola no. 2:55-58 Mr-Apr '63.

GORKIY PROVINCE—AGRICULTURISTS

Sviatoslavykh, Natasha and happiness. Vera Sokolovskaya. Smena 39 no. 12:11-13 Je '62.

GORKIY PROVINCE—BIOGRAPHY

[For our motherland, freedom, and honor; sketches on heroes of the Soviet Union, natives of Gorkiy] Za otchiznu, svobodu i chest'; ocherki o geroiakh Sovetskogo Soюза - gor'kovchanakh. [Gor'kii] Gor'kovskoe knizhnoe izd-vo, 1961, 1 v. (CaOTU)

GORKIY PROVINCE—DISABILITY EVALUATION

According to the production principle. A. Sivakov. Sots. obesp. 24 no. 4:22-26 Ap '63.

GORODOK (KHIMEL'NITSKIY PROVINCE)—BANKS AND BANKING

Our indices on carrying out the receiving and disbursement plan. V. Kovban. Den. i kred. 21 no. 4:38-40 Ap '63.

GORODOK (KHIMEL'NITSKIY PROVINCE)—CANNING INDUSTRY—EQUIPMENT AND SUPPLIES

Proposals of efficiency promoters of the Gorodok Canned Milk Plant. I. P. Kornienko. Khar. prom. no. 1:50-52 Ja-Mr '63.

GORYACHIY KLYUCH (KRASNODAR TERRITORY)—HEALTH RESORTS, WATERING PLACES, ETC.

Immediate and late results of the treatment of children with rheumatic fever in the health resort Goryachiy Klyuch. E. M. Mazaletskaya. Vop. kur., fizioter. i tech. fiz. kul't. 28 no. 1:44-49 '63.

GOSYPOL

Determining the content in anthranilates of gossypol liberated during its hydrolysis. A. B. Belova, V. P. Rzhikhin. Masl. -zhir. prom. 29 no. 3:14-17 Mr '63. Obtaining gossypol and anthranilic acid with the method of alkaline hydrolysis of gossypol anthranilates. V. P. Rzhikhin, A. B. Belova, M. A. Chudnovskaya. Masl. -zhir. prom. 29 no. 2:9-12 F '63.

GOTHENBURG, SWEDEN—CITY PLANNING

Development of the central part of the Västra Frölunda residential district in Gothenburg. O. S. Verizhnikov. Stroi. i arkhitekt. Len. 25 no. 4:33-35 Ap '63.

GOVERNMENT OFFICE PRACTICE see Office practice in government

GOVERNMENT OWNERSHIP see subdivision under Africa, East

GRADERS (EARTHMOVING MACHINERY)—TESTING

Field tests of motor graders. A. P. Krivshin. Mekh. stroi. 20 no. 4:12-14 Ap '63.

GRADING (EARTHWORK)—CONGRESSES

All-Union seminar on the levelling of irrigated lands. Y. F. Lebedev. Gidr. i mel. 15 no. 2:58-59 F '63.

GRADING AND MARKING (STUDENTS)

Let's think more about students. F. Nikishin. Nar. obr. no. 4:87-90 Ap '63.

GRAFTING

Akademii nauk SSSR, Karel'skii filial, Petrozavodsk. [Problems in the genetics of grain crops; injection method] Voprosy genetiki zernovykh kul'tur; metod in'ektsii. Moskva, Izd-vo Akad. nauk SSSR, 1963, 120 p.

Closing a penetrating defect of the intestine with a free skin autograft. V. S. Kazanskii. Kaz. med. zhur. no. 5: 58 S-O '62.

A complex method for remote vegetative hybridization of year-old plants. N. F. Senev. Nauch. dokl. vys. shkoly; filol. nauki no. 2:166-168 '63.

Tree selection practices in Latvia. J. Gailis. Les. khoz. 16 no. 1:34-38 Ja '63.

GRAIN

(see also subdivision under Kuban; Saratov Province)

Akademii nauk SSSR, Karel'skii filial, Petrozavodsk. [Problems in the genetics of grain crops; injection method] Voprosy genetiki zernovykh kul'tur; metod in'ektsii. Moskva, Izd-vo Akad. nauk SSSR, 1963, 120 p.

Brief news. Muk. -elev. prom. 29 no. 1:31 Ja '63.

Follow-up of our materials. Muk. -elev. prom. 29 no. 1: 3 of cover Ja '63.

Four and a half billion pounds of grain in the state grain bins. Muk. -elev. prom. 29 no. 1:1-2 Ja '63.

Rakov, E. I. [Russian grain] Khleb Rossi. Moskva, Izd-vo "Znanie," 1963, 48 p. (Novoe v zhizni, nauka, tekhnika, V Serii: Sol'skoe khoz. i stroi. no. 8)

Readers' letters. A. Fisher and others. Muk. -elev. prom. 29 no. 1:28 Ja '63.

GRAIN—CLEANING

Analysis of the work of the grain cleaning section of a flour mill equipped with pneumatic conveying. B. Mak-simchuk. Muk. -elev. prom. 29 no. 1:14-17 Ja '63.

Practices in removing wild oats from wheat. D. Teniaev. Muk. -elev. prom. 29 no. 1:5-7 Ja '63.

GRAIN—DISEASES AND PESTS see subdivision under Chechen-Ingush A.S.S.R.

GRAIN—DRYING

Some possibilities of automatic control of the exposure time in grain drying as related to its moisture. R. B. Kondrat'ev, G. M. Lisovskii. Trudy Kras. SKH 3 no. 1:265-272 '60.

GRAIN—HARVESTING see subdivision under Kurgan Province

GRAIN—TESTING see subdivision under Omsk region

GRAIN—TRANSPORTATION

(see also subdivision under United States)

Team for grain transportation. M. Potapov. Avi. transp. 41 no. 3:23-24 Mr '63.

GRAIN ELEVATORS

Resolutions of the November Plenum of the Central Committee of the CPSU inspire new labor victories; communist labor at grain receiving enterprises. A. Popovich, I. Plotnikov. Muk. -elev. prom. 29 no. 1:3-7 Ja '63.

- GRAIN HANDLING**
(see also subdivision under Krasnodar)
Important condition for the filling of corn sizing plants.
P. Borodai. Muk.-elev.prom. 29 no.1:24 Ja '63.
- GRAIN-HANDLING MACHINERY**
Efficient organization of postharvest grain processing.
N. V. Medvedev. Dokl. TSKHA no.68:191-198 '61.
- GRAIN-HANDLING MACHINERY—EXHIBITIONS**
At the 1962 International Fair in Poznan' (from "Przeglad zbozoros-mlynarski," no.8, 1962). M. Tatiakovskii. Muk.-elev.prom. 29 no.1:30-31 Ja '63.
- GRAIN-HANDLING MACHINERY—TERMINOLOGY**
"Terminological manual of equipment" by V. T. Khanin, IU. V. Mestechkin. Reviewed by M. Shaferman. Muk.-elev.prom. 29 no.1:32 Ja '63.
- GRAIN MILLING**
Increasing the efficiency of groats enterprises on existing production areas. M. Nezhobin, L. Khabe. Muk.-elev.prom. 29 no.1:13 Ja '63.
- GRAIN TRADE—ACCOUNTING**
Improve the control of grain preservation. K. Solomon-tsev. Muk.-elev.prom. 29 no.1:4-5 Ja '63.
- GRAMMAR, COMPARATIVE AND GENERAL**
What kind of a unit is the syntagma? O. I. Dikushina. Uch. zap. LGU no.283:53-59 '61.
Work of the grammar section of the First Moscow State Pedagogic Institute of Foreign Languages. V. S. Vashunin, E. V. Gulyga. Nauch. dokl. vys. shkoly; filol. nauki no.1:203-207 '63.
- GRANITE** see subdivision under Karelia; Kola Peninsula
- GRANITE—ANALYSIS** see subdivision under Chingiz-Tau; Keyvy Upland; Kounrad region
- GRANOSAN**
Mixer for poisonous chemicals. I. Platkov. Tekh. v sel'khoz. 23 no.1:88 Ja '63.
- GRANOVSKII, TIMOFEI NIKOLAEVICH, 1813-1855**
"T. N. Granovskii's lectures on the Middle Ages; his abstracts and the notes of his students." Reviewed by V. I. Buganov, N. A. Denisova. Ist. SSSR 7 no.1:201-202 Ja-F '63.
- GRANULAR MATERIALS**
Active pressure of a loose medium on the walls of a cylindrical enclosure. A. S. Khodzhanov. Izv. AN Uz. SSR. Ser. tekhn. nauk 7 no.2:41-47 '63.
- GRAPE JUICE**
(see also subdivision under Moldavia)
Applying the ion exchange process in the manufacture of grape juice. G. G. Agabaliants, G. D. Ratushnyi. Trudy KIPP no.22:304-311 '61.
Deaeration of grape juice. B. V. Lips, A. A. Mamakov, P. V. Epifanov. Trudy MNIPP 2:81-86 '62.
Manufacture of clarified grape juice by means of a simplified technology with the application of ultrasonic waves. G. N. Gasluk, I. P. Dul'neva, M. V. Lovina. Trudy MNIPP 2:56-66 '62.
Some data on the ion exchange method for juice filtration. G. D. Ratushnyi. Trudy KIPP no.22:312-318 '61.
- GRAPES**
(see also subdivision under Kiev region)
Carbohydrates of the various tissues of grapevine shoots as related to the degree of frost resistance of the variety. S. A. Marutian, Blokhin, vin. no.7:16-24 '63.
Relation between the resistance to frost of the grapevine and its biochemical characteristics. R. G. Saakian, Blokhin, vin. no.7:5-15 '63.
- GRAPES—FERTILIZERS AND MANURES**
Effect of the conditions of nutrition on the microflora of the rhizosphere of grapevine. S. I. A. Mininberg, M. N. Chernobyl's'ka, IE, V. Serdiuchenko. Vsiyky Kyiv. un. no.2, Ser. biol. no.1:85-89 '59.
Effect of the conditions of root nutrition on the dynamics of chlorophyll in grapevine leaves. S. I. A. Mininberg. Vsiyky Kyiv. un. no.1, Ser. biol. no.2:45-48 '58.
- GRAPES—PRESERVATION**
Preservation of fresh grapes. IU. M. Kurtaman. Khar. prom. no.1:46-47 Ja-Mr '63.
- GRAPHIC METHODS**
Correction of graphs obtained from inertial recording devices. V. S. Burok. Izv. vys. ucheb. zav. i elektromekh. 8 no.2:279-280 '63.
Plotting the diagrams of composition of reciprocal systems based on weight percentage. G. F. Pinaev, Zhur. neorg. khim. 8 no.3:751-757 Mr '63.
- GRAPHITE**
Antifriction material based on graphite impregnated with polytetrafluoroethylene. S. F. Fonarev, A. A. Kul'bakh, V. A. Dzhanov. Metod. isp. det. mash. i prib. no.2:3-9 '62.
- Chalykh, E. F.** [Technology of carbon-graphite materials] Tekhnologiya uglegrafitovykh materialov. Moskva, Metallurgizdat, 1963. 304 p.
Orientation of graphite generated in a diamond following its allotropic transformation by heating. V. M. Titova, S. I. Futergendler. Kristallografiya 7 no.6:926-920 N-D '62.
Sosnenko, M. N. [Graphite molds] Graftivnye litainye formy. Moskva, Mashgiz, 1963. 114 p.
- GRASSES** see subdivision under Tajikistan
- GRASSHOPPERS** see Locusts
- GRAVEL ROADS** see Roads, Gravel
- GRAVIMETRY**
Measuring gravity vertical gradients [with summary in English]. B. V. Gran. Vest. LGU 18 no.6:131-135 '63.
- GRAVITATION**
Moment of the gravitational forces acting on a satellite. A. I. Lur'e. Prikl. mat. i mekh. 27 no.2:377-378 Mr-Apr '63.
On the study of the topic "World gravitation." A. A. Kurbaeva. Fiz. v shkole 23 no.1:31-33 Ja-F '63.
Simple deduction of the third law of Kepler. I. V. Kozheurov. Fiz. v shkole 23 no.1:58-60 Ja-F '63.
- GRAVITY**
Convective instability of a two-component mixture in a gravitational field. G. Z. Gershuni, E. M. Zhukhovitskii. Prikl. mat. i mekh. 27 no.2:301-308 Mr-Apr '63.
Gravity characteristics of fan-shaped structures. A. V. Volin. Sov. geol. 6 no.2:34-44 F '63.
Observation of the gravity effect of the solar eclipse of February 15, 1961 in Yaroslavl. I. I. Karal'nikova and others. Biol. VAGO no.31:15-17 '62.
Some cases of integrability of equations describing the motion of a mass point acted upon by the Newtonian force and additional perturbing forces. K. G. Valcev. Prikl. mat. i mekh. 27 no.2:211-217 Mr-Apr '63.
Two inclinometers for measuring the effect of gravity. V. V. Radzhevskii. Biol. VAGO no.31:3-14 '62.
- GRAVITY—PHYSIOLOGICAL EFFECT**
Possibility for an experimental evaluation of the blood supply to the brain under conditions of a changed gravitational field [with summary in English]. IU. E. Moskalenko. Probl. kosm. biol. 2:407-416 '62.
- GRAVITY ANOMALIES**
A method for smoothing out gravity anomalies. G. I. A. Goltzdra, K. F. Tiapkin. Izv. AN SSSR. Ser. geofiz. no.4:614-617 Ap '63.
Some remarks concerning N. L. Afanas'ev's article "Smoothing gravity anomalies." V. I. Strakhov. Izv. AN SSSR. Ser. geofiz. no.4:618-620 Ap '63.
- GRAVITY PROSPECTING** see subdivision under Ust' Port region
- GREAT BRITAIN—ATOMIC WEAPONS AND DISARMAMENT**
How English workers have struggled for nuclear disarmament and peace, 1957-1962 [with summary in English, p. 221]. S. P. Peregodov. Vop. ist. 38 no.4:63-78 Ap '63.
- GREAT BRITAIN—COAL MINES AND MINING**
Coal industry of England (from "Colliery Guardian," nos. 5226, 5228 and 5227, 1961, nos. 5278, and 5279, 1962; "Glückauf," no. 8, 1962). P. A. Demidov, I. S. Mel'boroda. Ugol' Ukr. 7 no.4:43-44 Ap '63.
- GREAT BRITAIN—COMMERCE—RUSSIA**
English businessmen in Moscow. D. Trofimov. Vnesh. torg. 43 no.4:32-33 '63.
- GREAT BRITAIN—DESCRIPTION AND TRAVEL**
A day in the English Parliament. V. I. Akovenko. Sov. deput. trud. no.4:108-109 Ap '63.
Romanov, A. D. [There across the English Channel] Tam za La-Manshem. Minsk, Gos. izd-vo BSSR, 1962. 82 p. (MH)
- GREAT BRITAIN—EDUCATION**
"Public education system in England" by V. S. Aranskii, V. P. Lapchinskii. Reviewed by A. Piskunov. Nar. obr. no.4:117-119 Ap '63.
- GREAT BRITAIN—ELECTRONIC INDUSTRIES**
Great Britain and West Germany in the electronic market [with English summary in appendix]. A. Perekhodtsev. Vnesh. torg. 43 no.3:17-21 '63.
- GREAT BRITAIN—FASCISM**
Savages in the land of Shakespeare. Smena 39 no.18:16-17 S '62.
- GREAT BRITAIN—FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES**
Electronic defrosters made in England. N. N. Ryndich. Ryb. khoz. 39 no.4:87-91 '63.
- GREAT BRITAIN—FOREIGN ECONOMIC RELATIONS**
England at the crossroads. Genrikh Trofimenko. Mir. ekon. i mezhdunar. otn. no.4:103-106 '63.
- GREAT BRITAIN—FOREIGN RELATIONS**
"Facing the dictators; the Eden memoirs" by Anthony Eden. Reviewed by V. G. Trukhanovskii. Mezhdunar. zhizn' 10 no.5:100-109 My '63.
- GREAT BRITAIN—FOREIGN RELATIONS—ITALY**
Resignation; excerpts from memoirs. A. Eden. Mezhdunar. zhizn' 10 no.5:88-105 My '63.
- GREAT BRITAIN—FREIGHTERS**
Standard dry-cargo ships in Great Britain. Bliz. tekhn. ekon. inform. Tekh. upr. Min. mor. flota 7 no.4:116-122 '62.
- GREAT BRITAIN—HISTORY**
"A mass movement in England and Ireland in the late 18th and the early 19th century" by E. B. Chorniak. Reviewed by M. A. Barg. Vop. ist. 38 no.4:142-144 Ap '63.
Unrest caused by the scarcity of food in England in the 18th century. N. A. Erofeev. Vop. ist. 38 no.4:187-188 Ap '63.
- GREAT BRITAIN—HOSPITALS**
Planning of hospital care in England. V. I. A. Boreznov. Zdrav. Ros. Feder. 7 no.4:36-40 Ap '63.
- GREAT BRITAIN—INDEPENDENT LABOR PARTY**
History of the English labor movement. I. N. Undaaymov. Vop. ist. 38 no.4:180-187 Ap '63.
- GREAT BRITAIN—INDUSTRIES**
"Structural changes in the industry of the U.S.A., Great Britain and the Federal Republic of Germany in the postwar years." Reviewed by A. Mitoikovskii. Mir. ekon. i mezhdunar. otn. no.4:151-155 '63.
- GREAT BRITAIN—IRON AND STEEL PLANTS**
Trends in the expansion of steel smelting processes in Great Britain. D. A. Smoliarenko. Met. i gornorud. prom. no.1:84-86 Ja-F '63.
- GREAT BRITAIN—LEGISLATIVE BODIES**
A day in the English Parliament. V. I. Akovenko. Sov. deput. trud. no.4:108-109 Ap '63.
- GREAT BRITAIN—MARINE ENGINEERING—PATENTS**
Foreign patents. Sudostroenie 29 no.3:65 Mr '63.
- GREAT BRITAIN—MARITIME LAW**
Decisions of English courts. Inform. sbor. TSNIIMF no.76. Mor. pravo i pruk. no.17:55-57 '62.
- GREAT BRITAIN—MATERIALS HANDLING**
Delivery of raw materials and semiprocessed products to confectionery factories (from "Confectionery Manufacture," no. 6, 1961). M. N. Serebriakov. Khleb. i kosh. prom. 7 no.4:37-38 Ap '63.
- GREAT BRITAIN—POLITICS AND GOVERNMENT**
England at the crossroads. Genrikh Trofimenko. Mir. ekon. i mezhdunar. otn. no.4:103-106 '63.
The "shadow cabinet" in England. Mezhdunar. zhizn' 10 no.5:156-157 My '63.
- GREAT BRITAIN—PUBLIC OPINION**
"Peace and opinion" (in English) by Evan Luard. Reviewed by A. Nekrich. Mezhdunar. zhizn' 10 no.5:133-135 My '63.
- GREAT BRITAIN—REFUGEES, RUSSIAN**
Without faith there is no life. Vladimir Chachin. Mol. komm. no.2:80-84 F '63.
- GREAT BRITAIN—RHEUMATIC FEVER**
Rheumatology in England. A. I. Nesterov, V. I. Sachkov, E. I. Akulinina. Vop. revm. 1 no.2:70-80 Ap-Ja '61.
- GREAT BRITAIN—SHIPBUILDING**
British-built ships (from foreign journals). Sudostroenie 29 no.3:61-63 Mr '63.
- GREAT BRITAIN—STOMATOLOGY**
Notes on stomatology in Great Britain. No.3: Scientific research in the field of stomatology. V. F. Rud'ko. Stomatologiya 41 no.5:80-89 S-O '62.
- GREAT BRITAIN—TEXTILE FABRICS**
New double-ply fabrics of the British "Kagan Textile Limited" mills. Loh. prom. no.1:96 Ja-Mr '63.
- GREAT BRITAIN—THEATER**
Herbert Marshall is interviewed on the theater in England. Teatr 24 no.3:145-146 Mr '63.
- GREAT BRITAIN—TRADE UNIONS**
In search for the path to unity. Mont' Mat. Sov. prof. sozuy 19 no.7:27-28 Ap '63.
- GREAT BRITAIN—WOMEN—EMPLOYMENT**
What worries British women. Margaret Walters. Veem. prof. dvizh. no.4:29-31 Ap '63.

GREAT BRITAIN—YOUTH

Indifferent, where do they come from? IU. Kashlev, S. Filitskina. *Smena* 39 no.11:18-19 Je '62.

GREECE—DESCRIPTION AND TRAVEL

Department conducts work on a training ship. V. V. Sitnikov. *Vest. vys. shkoly* 21 no. 3:26-30 Mr '63.

GREECE—POLITICAL PRISONERS

Away with today's Bastilles. Manolis Glezos. *Nov. vrem.* 26 no. 19:10 My '63.

More than 1,400 participants in the resistance movement. *Vsem. prof. dvizh.* no. 4:16 Ap '63.

Paintings behind bars. Zhen. mira no. 1:34 '63.

Spring behind prison bars. Petros Anteos, Ogonek 41 no. 13:4-5 Mr '63.

GREECE—RELATIONS (GENERAL) WITH RUSSIA

From the cities of Hellas. G. Fedoseev. *Sov. pech.* no. 3:56 Mr '63.

GREECE—STONE AGE

New paleolithic finds in Greece. A. N. Pullanos. *Sov. arkh.* 7 no. 2:227-229 '63.

GREECE—STRIKES AND LOCKOUTS

The harvest is ripening. H. Dazy, U. Dagli Innocenti. *Vsem. prof. dvizh.* no. 4:11-16 Ap '63.

GREEK LITERATURE—HISTORY AND CRITICISM

Takho-Godi, A. A., and others. [Classical literature] Antichnaya literatura; uchebnik dlia pedinstitutov. [By] A. F. Losev i dr. Pod obshch. red. A. A. Takho-Godi. Moskva, Uchpedgiz, 1963. 375 p.

GREENFINCH see subdivision under Rostov Province

GREENHOUSE MANAGEMENT

Exterminating the root knot nematode in greenhouses. T. G. Efremova. *Zashch. rast. ot vred. i bol.* 6 no. 11: 26 N '61.

Possible use of carbofion. I. M. Polakov. *Zashch. rast. ot vred. i bol.* 6 no. 11:30-32 N '61.

GREENHOUSE PLANTS

Water balance of tomatoes grown in a greenhouse. T. V. Lapina. *Visnyk Kyiv. un. no. 2. Ser. biol.* no. 1: 53-67 '63.

GREENHOUSES—HEATING AND VENTILATION

Heating water for watering in greenhouses. E. Dolbo. *Tekhn. v sel'khoz.* 23 no. 1:87 Ja '63.

GREENLAND SEA—WHALES

Killer whales in the Greenland Sea. A. V. Iablokov. *Priroda* 52 no. 3:113-115 '63.

GRIDS (CARTOGRAPHY)

Solving problems in spherical astronomy by means of cartographic grids. V. G. Chernichin. *Biul. VAGO* no. 31:29-36 '62.

GRINDING AND POLISHING

Honing slitted holes in hardened pistons. N. I. Gorastskii. *Avi. prom.* 29 no. 5:40-43 My '63.

GRINDING MACHINES

Multiple spindle valve lapping machine for internal combustion engines. V. A. Sizov. *Sudostroenie* 20 no. 3: 48-51 Mr '63.

New surface-grinding machines. M. I. Gurevich. *Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 3:28-34 '63.

Ruvinov, D. A. [Automatic feed of centerless grinding machines] Avtomaticheskaya zagruzhka bestsentrovogshlifoval'nykh stankov. Moskva, Mashgiz, 1963. 103 p.

VSh-145D automatic ball-grinding machine. G. I. Fashkevich. *Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 3:36-37 '63.

VSh-66 face-grinding machine. K. V. Fashkevich. *Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 3:34-35 '63.

GRINDING MACHINES—ATTACHMENTS

Attachment for grinding wedges. G. D. Pekelis, E. N. Filisev. *Mashinostroitel'* no. 3:22 Mr '63.

GRINDING MACHINES—STANDARDS

Rigidity standards for surface-grinding machines. I. T. Gusev. V. A. Vvedenskii. *Standartizatsia* 27 no. 3: 24-30 Mr '63.

Surface-grinding machines. V. A. Chechetkin. *Standartizatsia* 27 no. 4:43-45 Ap '63.

GRINDING MACHINES—TECHNOLOGICAL INNOVATIONS

Moscow. Eksperimental'nyi nauchno-issledovatel'skii institut metalloobrabotnykh stankov. [Survey of technological developments in the manufacture of machine tools abroad; grinding machines] Obzor tekhnicheskogo razvitiia zarubezhnogo stankostroeniia; shlifoval'nye stanki. Moskva, 1959. 116 p.

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii mashinostroeniia. [Development of structural elements of grinding machines abroad] Razvitiie elementov konstruktivnoi shlifoval'nykh stankov za rubezhom; obzor. Moskva, 1961. 67 p.

GRINDING WHEELS—TESTING

Hardness of abrasive tools. K. F. Kudasov. *Standartizatsia* 27 no. 4:18-20 Ap '63.

GRIN'KI—FOLK SONGS

Recently collected songs from M. V. Lysenko's countrymen. V. Matvienko. *Nar. tvorch. taetn.* 6 no. 4:141-142 O-D '62.

GRIPPE see Influenza

GROCERY STORES see subdivision under Kiev

GRODNO—HOUSEHOLD APPLIANCES—TECHNOLOGICAL INNOVATIONS

Trilling, Sh. M. [Our practice in production mechanization] Nashi opyt mekhanizatsii proizvodstva. Minsk, Gos. izd-vo BSSR, 1962. 16 p.

GROSS NATIONAL PRODUCT

Moscow. Ekonomiko-statisticheskii institut. [Balance of the gross national product of a Union Republic; problems in the theory and methodology of its preparation] Balans obshchestvennogo produkta soluznoi respublik; voprosy teorii i metodiki sostavleniia. Moskva, Ekonomizdat, 1962. 326 p.

GROUND BEETLES

Biology of the ground beetle *Calosoma inquisitor* L. and its use for controlling forest pests. M. A. Golosova. *Okhr. priro. i zapov. delo v SSSR* no. 7:66-72 '62.

GROUND BEETLES—EXTERMINATION see subdivision under Chechen-Ingush A.S.S.R.

GROUND-EFFECT MACHINES

Flying compact. *Izv. tekhn.* 7 no. 2:52-53 F '63.

Letunov, V. S. [Vessels on an air cushion] Suda na vozdukhnoi podushke. Moskva, Izd-vo "Morskoi transport," 1963. 47 p.

GROUPS, THEORY OF

A condition for the complete reducibility of a matrix group. D. A. Suprunenko. *Izv. AN SSSR. Ser. mat.* 27 no. 2:435-438 Mr-Apr '63.

Conditions for close imbedding in semigroups. E. S. Ljapun. *Uch. zap. Ped. inst. Gerts.* 238:3-20 '62.

Determining correlations of a semigroup of partial endomorphisms of a finite linearly ordered set. L. M. Popova. *Uch. zap. Ped. inst. Gerts.* 238:78-88 '62.

Factor-semigroups of topological semigroups. P. D. Krumin. *Uch. zap. Ped. inst. Gerts.* 238:85-101 '62.

Finite groups in which the number of normal π -divisors equals the number of classes of noninvariant π -d-subgroups. V. P. Gromyko. *Izv. vys. ucheb. zav.; mat.* no. 3:40-43 '63.

Homomorphisms of semigroups of endomorphisms of ordered sets. A. Ia. Aizenshtat. *Uch. zap. Ped. inst. Gerts.* 238:38-48 '62.

Invariant affine connectivities in a space containing linear elements. A. M. Vasil'ev. *Mat. sbor.* 60 no. 4:411-424 Ap '63.

Irreducible unitary representations of a group of second-order unimodular matrices with elements from a locally compact field. I. M. Gelfand, M. I. Graev. *Dokl. AN SSSR* 149 no. 3:499-501 Mr '63.

Maximal bilaterally stable ordering in semigroups. E. S. Ljapun. *Izv. vys. ucheb. zav.; mat.* no. 3:88-94 '63.

Multiple Kilmeth formulas. M. P. Bokshetn. *Izv. AN SSSR. Ser. mat.* 27 no. 2:407-482 Mr-Apr '63.

On p-extensions with a single critical number. G. N. Markshaltis. *Izv. AN SSSR. Ser. mat.* 27 no. 2:403-460 Mr-Apr '63.

The 1-r semigroups. P. D. Krumin. *Uch. zap. Ped. inst. Gerts.* 238:86-94 '62.

Problem of W. Burnside for periodic groups. A. P. Ditsman. *Mat. v shkole* no. 2:4-11 Mr-Apr '63.

Semigroup of group manifolds. A. L. Shmel'kin. *Dokl. AN SSSR* 149 no. 3:543-545 Mr '63.

A semigroup of partial endomorphisms of a set with a relation. L. M. Popova. *Uch. zap. Ped. inst. Gerts.* 238:40-77 '62.

Semigroups of endomorphisms of quasi-ordered sets. L. B. Shneperman. *Uch. zap. Ped. inst. Gerts.* 238:21-37 '62.

Structure of factor representations of a locally compact group. M. A. Naimark. *Dokl. AN SSSR* 149 no. 4:775-778 F '63.

Transitive compact groups of transformations. A. L. Onishchik. *Mat. sbor.* 60 no. 4:447-485 Ap '63.

GROUSE

(see also subdivision under Amur Valley; Karelin)

At the break of dawn; from a naturalist's notebook. P. Stefarov. *Ukraina* no. 4:30 F '63.

Ecological and morphological characteristics of the hazel hen. M. A. Kuz'mina. *Ornitologiya* no. 4:411-415 '62.

Studying the hatching temperature of the hazel hen with the help of a semiconductor transducer. M. S. Dolbik. *Ornitologiya* no. 4:389-393 '62.

GROWTH (PLANTS)

Correlative inhibition of growth in plants. M. B. Shternberg. *Bot. zhur.* 48 no. 2:273-286 F '63.

GROWTH INHIBITING SUBSTANCES

Correlative inhibition of growth in plants. M. B. Shternberg. *Bot. zhur.* 48 no. 2:273-286 F '63.

GROWTH PROMOTING SUBSTANCES

"D," "R" and "G" as the rivals of gibberellin. A. Frolov. *Smena* 39 no. 11:14-15 Je '62.

GROZNYI—EARTHQUAKE, 1963

Earthquake in Groznyy. N. M. Sherstukov. *Priroda* 52 no. 3:112 '63.

GUANASE

Adenase and guanase activity in mammalian tissues (with summary in English). V. P. Korotkoruchko, O. H. Honcharenko. *Ukr. biokhim. zhur.* 34 no. 5:720-726 '62.

GUATEMALA—HISTORY

Diaz Rossetto, Jaime. [The character of the Guatemalan revolution; the decline of the traditional bourgeois-democratic revolution. Translated from the Spanish] Karakter gvatemal'skoi revoliutsii; zakat traditsionnoi burzhuazno-demokraticheskoi revoliutsii. Red. A. F. Smil'govskogo. Moskva, Izd-vo inostr. lit-ry, 1962. 350 p. (a11)

GUATEMALA—POLITICS AND GOVERNMENT

The hope of Guatemala. Ruben Samayoa, Jose Ortiz. *Agitator* no. 9:49-51 My '63.

GUBAIDULLINA, S.

Concert of works by S. Gubaidullina and A. Nikolaev. R. Shaverdian. *Sov. muz.* 27 no. 3:78-80 Mr '63.

GUIDED MISSILES

A flash in the blue sky. K. Alekseev. *Mol. komm.* no. 2: 62-64 F '63.

Formidable and Soviet. P. Astashenkov. *Sov. voim* 45 no. 3:17-18 F '63.

Nikolaev, M. N. [Antimissile missiles; from materials in the foreign press] Raketa protiv rakety; po materialam zarubezhnoi pechati. Izd. 2., perer. i dop. Moskva, Voenizdat, 1963. 198 p.

GUMBRIN

Effect of acid and heat treatment on the adsorption-structural properties of gumbrin. D. N. Barnabishvili. *Trudy Inst. khim. AN Gruz. SSR* 16:90-100 '62.

GUMILEV, NIKOLAI STEPANOVICH, 1886-1921

Mosinoy, G. V. [Fields of an unknown land] Polia nevedennoi zemli. [n. p.] 1902. 227 p.

GUMS—DISEASES

Content of vitamins B₂ and B₁₂ in the blood serum in alveolar pyorrhea before and after treatment. A. N. Iaroshenko. *Stomatologiya* 41 no. 5:9-11 S-O '62.

Diagnosis and the drawing up of a plan of treatment for pyorrhea alveolaris and similar forms of maxillofacial affection. V. IU. Kurilandskii. *Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:197-207 '61.

Late results of orthopedic treatment of pyorrhea alveolaris by V. IU. Kurilandskii's method. O. G. Berezkina. *Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2: 223-227 '61.

Preparing a splint of quick-setting plastic for the stabilization of the frontal teeth in paradentosis. K. F. Lepikhin. *Stomatologiya* 41 no. 5:80-82 S-O '62.

Therapeutic splints of quick-setting plastic for the fixation of loose teeth in paradentosis. M. A. Napadov, L. Ia. Chernyi. *Stomatologiya* 41 no. 5:79-80 S-O '62.

Treatment of pulpitis with biomyelin in combination with diosin. A. V. Gramin. *Stomatologiya* 41 no. 5: 91 S-O '62.

Two cases of paradentosis in children. A. A. Akhmedov. *Stomatologiya* 41 no. 5:90 S-O '62.

Vacuum massage in the compound treatment of paradentosis. I. O. Novik, Z. M. Epel'boim. *Stomatologiya* 41 no. 5:3-6 S-O '62.

GUMS AND RESINS

Determining dehydroabietic, dihydroabietic, and tetrahydroabietic acids content of resins. A. G. Sokolov. *Sbor. trud. TSNIKHI* no. 14:98-105 '61.

GUNPOWDER

Role played by flame in the mechanism of gunpowder combustion. A. G. Merzhanov, A. K. Filonenko. *Izv. AN SSSR, Otd. khim. nauk* no. 3:560-562 Mr '63.

GURNARDS see subdivision under Murman Coast

GUR'YEV—INDUSTRIAL HYGIENE

One out of 66 millions. S. Aleksandrov. *Okhr. truda i sots. strakh.* 6 no. 3:13 Mr '63.

GUSINOZERSK DEPRESSION—GEOLOGY

Structural - facies and stratigraphic characteristics of continental sediments in the Gusinozersk Depression. TS. O. Ochirov. *Trudy BKNII* no. 7:36-43 '61.

GUTNIKOV, BORIS

Boris Gutnikov. Mikhail Fikhtengol'ts. *Sov. muz.* 27 no. 1:90 Ja '63.

GUZERIP' REGION—LUMBERING

Markov, L. L., G. V. Istomin, and G. I. Krestin. [Guzerip' Logging Camp] Guzerip'skiy lespromkhoz. [n.p.] Tsent. nauchno-issl. in-t mekhanizatsii i energetiki lesnoi promyshl. 1962. 5 p. [With summary in English]
[MICROFILM]

GYMNASTICS

Backward somersault jump. N. Kur'ev. Teor. i prak. fiz. kul't. 26 no. 4:67-68 Ap '63.

GYMNASTICS, MEDICAL see Exercise therapy

GYNECOLOGY

Analgesic anesthesia with nitrous oxide in minor gynecological operations. IU. M. Blosanskii and others. Sov. med. 26 no. 1:116-120 Ja '63.

Nursing a gynecological patient in a hospital. V. G. Khrenova. Med. sestra 21 no. 12:41-44 D '62.

Treatment of gynecological diseases with sulfide water of the Shikhovo health resort (Baku). T. A. Bazian, Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:75-76 '63.

Treatment of gynecological patients at Ayak-Kalkan Mineral Springs. A. S. Sokolova. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:109-117 '62.

GYPSUM

(see also subdivision under Lithuania)
Effective retarder for gypsum. S. V. Meshcherinskoy. Stroim. 9 no. 3:28 Mr '63.
Solidification of uncalcined gypsum cement. R. I. Arav. Dokl. AN SSSR 148 no. 4:893-895 F '63.

GYPSUM PRODUCTS

Barandaniants, V. K. [Gypsum equipment for precision casting] Gipsovalnaya osnastka dlya tochnogo lit'ia. Moskva, Mashgiz, 1963. 93 p.

GYPSY MOTH see subdivision under Brest Province

GYROCOMPASS

Development of a gyro-latitude compass. M. M. Bogdanovich, P. A. Il'in. Izv. vyz. ucheb. zav.; prib. 6 no. 2: 74-77 '63.

Effect of the oblateness of the earth on the operation of a gyrocompass. D. R. Merkin. Prikl. mat. i mekh. 27 no. 2:203-210 Mr-Apr '63.

Theory of the gyrocompass. V. F. Lashenko. Prikl. mat. i mekh. 27 no. 2:373-376 Mr-Apr '63.

Using a gyrocompass for orientation on land. G. E. Lazarev. Inform. biul. Sov. antark. eksp. no. 38:28-29 '62.

GYROSCOPE

Fourth scientific technological conference of institutions for higher education on the problems of recent gyroscopic developments. E. F. Ovagin. Izv. vyz. ucheb. zav.; prib. 6 no. 2:158-158 '63.
Gyrostat. I. Shipov. Uch. tekhn. 7 no. 12:26-29 D '62.

GYROSCOPE—VIBRATION

Determination of forced vibrations of nonlinear stabilization systems. IU. M. Khovanovskii, P. A. Severov, V. S. Slepukhin. Izv. vyz. ucheb. zav.; prib. 6 no. 2:63-73 '63.

GYROSCOPIC INSTRUMENTS

Gyroscopic tachometers and tachometer-accelerometers with pressure transducers. A. A. Odintsov. Izv. vyz. ucheb. zav.; prib. 6 no. 2:54-62 '63.

HAANPÄÄ, PENTTI, 1905-1955

The novel "Masters and shadows of masters" by Pentti Haanpää. A. A. Mantere. Uch. zap. LGU no. 314:115-135 '62.

HAIRDRESSING

Beauty consultation. Mast. prom. i khud. promys. 4 no. 3:38-39 Mr '63.
The form of your face and your coiffure. Rab. i stal. 39 no. 3:23 Mr '63.

HAITI—POLITICS AND GOVERNMENT

The National Unity Party in Haiti is fighting. Pierre Monfrier. Part. zhizn' no. 8:72-74 Ap '63.

HALAYACH, PLATON, 1903-1937

Talented son of our people. Stanislav Shushkevich. Rab. i stal. 39 no. 4:19 Ap '63.
A talented White Russian author. D. Baradich. Belarus' 20 no. 4:25 Ap '63.

HALIDES

Determination of halide and thiocyanate ions by the use of mercarbides. S. V. Bleshinskii, M. Usabukunov. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:47-51 '62.

HALL EFFECT

Electron mobility in heavily doped silicon. E. M. Omel'ianovskii, V. I. Piatul', M. G. Mil'vidskii. Fiz. tver. tela 5 no. 3:921-927 Mr '63.
New application of the Hall effect to semiconductors. E. D. Koltik. Priboirostroenie no. 4:4-5 Ap '63.

HALOGEN COMPOUNDS

Addition of some α -halo ethers to unsaturated compounds. B. A. Arbutov, O. N. Pureidinova. Izv. AN SSSR. Otd. khim. nauk no. 2:311-316 F '63.

Synthesis of some halogenated β -fluoroethyl phenyl ethers. T. V. Smirnova, I. I. Naumova, I. V. Sazonova. Zhur. V KHO 8 no. 1:115-116 '63.

HALOGENS

Effect of some anions on Dische's diphenylamine reaction [with summary in English]. A. M. Poverennyi, T. L. Aleinikova. Ukr. biokhim. zhur. 34 no. 6:910-914 '62.

Formation of the weathering surface of halogen formations [with summary in English]. A. E. Khod'kov. Vest. LGU 18 no. 6:46-55 '63.

HAMYARITIC INSCRIPTIONS see Inscriptions, Sabacan

HAND—SURGERY

Modification of the operation in Dupuytren's contractures [with summary in English in insert]. M. A. Vain-Rub. Ortop., travm. i protez. 23 no. 11:66-68 N '62.

HAND—WOUNDS AND INJURIES

Classification of deep burns of the hand [with summary in English in insert]. N. E. Margolin. Ortop., travm. i protez. 23 no. 11:27-31 N '62.

"Lesions of the hand" by E. V. Usolt'seva. Reviewed by D. A. Novozhilov. Ortop., travm. i protez. 23 no. 11: 87-90 N '62.

Permanent flexions of the hand and fingers following burns; experience from 200 operations [with summary in English in insert]. IV. Matev. Ortop., travm. i protez. 23 no. 11:21-26 N '62.

HANDICAPPED—EMPLOYMENT see subdivision under Voronezh Province

HANDICAPPED, APPARATUS FOR—REPAIRING

Where could they be repaired? N. Lebedev. Sots. obespe. 24 no. 3:53-54 Mr '63.

HARBORS

Passenger areas in sea harbors. V. Basevich. Mor. flot 23 no. 1:13-15 Ja '63.

HARBORS—EQUIPMENT AND SUPPLIES

Cooperation in the use of harbor machinery and warehouses during the period between navigational seasons. Rech. transp. 22 no. 4:3 Ap '63.

HARD FACING

Mechanized hard facing of coke-grinder rollers. V. M. Mozok, IU. A. Iuzvenko, S. I. A. Shekhter. Avtom. svar. 16 no. 3:82-84 Mr '63.

HARD FACING—CONGRESSES

Conference on the hard facing of dies. V. A. Timchenko. Avtom. svar. 16 no. 3:96 Mr '63.

HARD FACING—TESTING

Techniques of ultrasonic testing of the hard facing of bore bit rollers. A. I. Shvarts, I. G. Sokolinskaya. Avtom. svar. 16 no. 3:84-86 Mr '63.

HARDBOARD

(see also subdivision under Uzbekistan)
Automatic device for controlling and sorting panel parts and slabs. A. I. Isakov, A. P. Poanaev, G. K. Korzhuk. Der. prom. 12 no. 2:7-10 F '63.

Improving pneumatic conveying of chips in the production of fibrolite. M. S. Mokrushin. Der. prom. 12 no. 2: 27-28 F '63.

Investigating the effect of various parameters on the quality of two-layer boards from wood chips. S. P. Andreeva and others. Trudy Ural. lesotekh. inst. no. 17:50-57 '60.

Nauchno-tekhnicheskoe obshchestvo lesnoi promyshlennosti. Arkhangel'skoe oblastiye pravleniye. [Reference book on sawing lumber materials] Posobie po raschotu pilovozhnogo syr'ia. [Arkhangel'sk] Arkhangel'skoe knizhnoe izd-vo, 1962. 104 p.

[MICROFILM]

Practices in finishing boards made from wood chips by using polymethyl methacrylate coatings under industrial conditions. G. P. Plotnikova, R. A. Mirkovich, K. N. Andriunina. Der. prom. 12 no. 2:24-25 F '63.

Using a urea-phenol-formaldehyde glue for making boards from wood particles. A. A. Kruglikov and others. Der. prom. 12 no. 2:10-11 F '63.

Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po proizvodstvu i primeneniyu drevesno-voлокнистых материалов i plastikov. Arkhangel'. [Fiberboard] Drevesno-voлокнистые plity; trudy. Pod red. B. D. Bogomolova. Moskva, Tsent. biuro tekhn. informatsii bumazhnoi i derevoobrabatываushchei promyshl., 1961. 12 p.

[MICROFILM]

HARDBOARD—TESTING

Effect of stability on the strength of boards from wood chips prepared by Bartsev's method. N. A. Brusina. Trudy Ural. lesotekh. inst. no. 17:57-60 '60.

HARDNESS

Connection between hardness and mechanical properties of metals and alloys. D. A. Prokoshkin, E. V. Vasil'eva. Trudy Inst. met. no. 13:131-142 '63.

HARDWARE

Goberman, G. E., and V. L. Dychev. [Locks and hardware] Zamki i skoblyanye pribory. Moskva, Gosstroi-promizdat, 1962. 106 p.

HARELIP

"Harelip and cleft palate" [in German] by H. I. Galka. Reviewed by P. M. Egorov. Stomatologiya 41 no. 5: 104-105 S-O '62.

HARKUSIA, SEMEN, b. 1739

Murzhil, I. O. Semen Harkusha. Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola", 1942.

HARMONIC FUNCTIONS

Homogeneous problem of an inclined derivative for harmonic functions in three-dimensional regions. A. V. Bitsadze. Dokl. AN SSSR 148 no. 4:740-752 F '63.

A nonlinear boundary value problem in the theory of harmonic functions in a Hilbert functional space. M. M. Kekelidze. Trudy GPI [Gruz.] no. 6:47-51 '61. Polyharmonic functions in a half-plane. I. A. S. Pogosyan. Mat. sbor. 60 no. 4:486-498 Ap '63.

HARMONY

Certainty of academic discoveries. V. Tshendrovskii. Sov. muz. 27 no. 3:38-39 Mr '63.
Do not simplify the problem. V. Tshkernian. Sov. muz. 27 no. 3:35-38 Mr '63.
The functional theory must be creatively developed. S. Grigor'ev. Sov. muz. 27 no. 3:40-41 Mr '63.

HARROWS

How to improve turning conditions of the 1.10-10 harrow plow. E. Ogryskov. Tekhn. v sel'khoz. 23 no. 1:53 A '63.

HARROWS—MAINTENANCE AND REPAIR

Grinding disks on a turning lathe. N. Tarasovskiy. Tekhn. v sel'khoz. 23 no. 1:56-57 Ja '63.

HARS, HEORHII OLEKSILOVYCH

A master of Bukovina folk ornament. I. P. Hars. A. Nar. tvorch. ta eln. 0 no. 4:100-103 O-D '63.

HARVESTING MACHINERY

KUN-10 mounted universal sward rake. M. I. Oshar. Blul. tekhn. -ekon. inform. Gos. nauch. -issl. Inst. zap. tekhn. inform. no. 3:53-55 '63.

HARVESTING MACHINERY—ELECTRIC EQUIPMENT

Rotermel', B. P., and D. I. Ivanov. [Electrical equipment of tractors and combine harvesters; their installation, operation, maintenance and repair] Elektrooborustovaniye traktorov i kombainov; ustroystvo, eksploatatsiya, tekhnicheskii ukhod, napspravnost' i ikh ushrashe. [Omsk] Omskoe knizhnoe izd-vo, 1962. 148 p.

HARVESTING MACHINERY—SAFETY MEASURES

Protsoluz rabochikh i sluzhashchikh sel'skogo khoz-stva i zagotovok. Tsentral'nyi komitet. [Measures safety measures for work with hay-harvesting machines. Pamiatka po tekhnike bezopasnosti pri rabote na sel'skookhozhnykh mashinakh. Moskva, Sel'khozizdat, 1961. 16 p. (Pamiatka po tekhnike bezopasnosti) (DNL)]

HAŠEK, JAROSLAV, 1863-1923

Hašek's life in Russia. M. Martinkovskii. Belarus' 20 no. 4:23 Ap '63.

HATS

Work practices of the best hat factories. M. M. Kapota. Shvein. prom. no. 1:25-29 Ja-F '63.

HAUSER, HEPHZIBAH (MENUHIN) 1920-

The Menuhins perform. Galina Barinova. Sov. muz. 27 no. 2:97-98 F '63.

HAWAIIAN ISLANDS—MISSIONARIES, AMERICAN

The role of American missionaries in the destruction of the original culture and the colonial enslaving of the Hawaiian people. D. D. Tumarkia. Trudy Inst. etn. 36:200-285 '62.

HEALTH BOARDS

Activity of social councils in the therapeutic and prophylactic establishments of the R. S. F. S. R. O. I. Lavrisheva. Zdrav. Ros. Feder. 7 no. 2:4-11 F '61.

HEALTH EDUCATION

(see also subdivision under Tajikistan)
Health Day. Nach. shkola 31 no. 2:85 F '63.

"Improving the quality of the work conducted at medical universities for health." Reviewed by H. D. Patren. Zdrav. Ros. Feder. 7 no. 2:40-41 F '63.

Medical lectures combined with motion pictures as a form of sanitary publicity. P. A. Podluzhnyi. Zdrav. Ros. Feder. 7 no. 2:43-44 F '63.

HEALTH OF WORKERS see Industrial hygiene

ALTH RESORTS, WATERING PLACES, ETC.

(see also subdivision under Alma-Ata Province; Azerbaijan; Bad Salzungen, East Germany; Caucasus, Northern; Donetsk Basin; Feodosiya; Goryachiy Klyuch, Krasnodar Territory; Istisu; Khanlar, Baku; Kherson Province; Kislovodsk; Moldavia; Pavlodar Province; Semipalatinsk Province; Turshsu, Azerbaijan; White Russia; Yessentuki)

carding houses win popularity. Okhr.truda i sots. strakh. 6 no.3:16 Mr '63.

follow-up on our articles. Okhr.truda i sots. strakh. 6 no.3:27-28 Mr '63.

each Resort visitor's manual on timetables for trains, boats, airplanes, buses and taxis; Sochi, summer 1959] Spravochnik kurortnika; o dvizhenii poezdov, udov, samoletov, avtobusov i taksi: Sochi, leto 1959 g. Iochi [n.d.] 73 p.

the mountains, on the seashore, and in the forests; facts and figures. Agitator no.14:22-23 JI '62.

only in the south.... Okhr.truda i sots. strakh. 6 no.3:15 Mr '63.

elcomel Okhr.truda i sots. strakh. 6 no.3:14 Mr '63.

ARING AIDS

ore attention should be paid to the organization of the application of hearing aids. A.P. Velitski. Zdrav. Res.Feder. 1 no.2:44 F '63.

uch depends on ourselves. I.Shvartsman. Sots.obesp. 14 no.3:50-51 Mr '63.

ART

anges in the cardiac output, cardiac work and peripheral resistance in acute disorder of coronary circulation in normal and vagotomized animals [with summary in English]. A.V.Dokukin. Kardiologiya 2 no.3:21-25 My-Je '62.

Heart metabolism of mammals and amphibians" (from "Acta Biologica Academiae Scientiarum," vol. 13, 1962). Priroda 52 no.3:110-111 '63.

ART-DISEASES

therosclerotic cardiosclerosis without hypertension and with it. T.A.Zalkina. Sbor.nauch.-prakt. Poliklin. im. F.E.Dzerzh. no.2:39-44 '61.

contractility of the myocardium in cardiac aneurysms [with summary in English]. V.L.Karpman and others. Kardiologiya 2 no.3:35-40 My-Je '62.

etection of anticardiac autoantibodies in experimental lesions of the heart [with summary in English]. A.M. Monastnikov. Vop.revm. 3 no.1:11-17 Ja-Mr '63.

ypertrophy of the heart in cardiosclerosis caused by chronic coronary insufficiency [with summary in English]. A.A.Liubushin. Kardiologiya 2 no.3:25-30 My-Je '62.

eft ventricle overstrain syndrome in healthy subjects [with summary in English]. A.G.Dombo and others. Kardiologiya 2 no.3:70-77 My-Je '62.

thomorphological changes in the heart of rabbits during immunization with homologous tissues in conjunction with killed streptococcus [with summary in English]. I.S.Kaplanski, G.V.Orlovskaya, A.A.Tustanovskii. Vop.revm. 1 no.2:3-9 Ap-Je '61.

ole of the thebesian vessels in the compensation mechanisms of cardiac insufficiency [with summary in English]. V.L.Festovskii. Vrach.delo no.3:81-83 Mr '63.

ART-EXAMINATION

lectrocardiographic and roentgenocardiographic examination of patients with cardiac aneurysm [with summary in English]. M.N.Tumanovskii, V.A.Garmash. Kardiologiya 2 no.3:40-44 My-Je '62.

oenigelelectrocardiographic examination in cardiac aneurysms; preliminary report [with summary in English]. V.A.Shanina, O.M.Kolobutina, G.P.Kotel'nikova. Kardiologiya 2 no.3:44-51 My-Je '62.

ART-INFARCTION

(see also subdivision under Moscow)

drenal cortex and hydrocortisone metabolism in experimental myocardial infarct [with summary in English]. I.A.Uvatova. Kardiologiya 2 no.3:17-21 My-Je '62.

ngina pectoris and myocardial infarction. S.V.Shestakov. Med.sestra 21 no.1:30-34 N '62.

linical variants of embolic myocardial infarcts. V.N.Smirnov. Kaz.med.zhur. no.5:9-12 '62.

uses of the inconsistent data of the electrophoretic study of protein fractions in the blood serum in myocardial infarct. Z.K.Trushinski. Lab.delo 9 no.3:1-12 Mr '63.

omplete atrioventricular block based on myocardial infarction. V.IA.Vilkomir. Vrach.delo no.3:124-125 Mr '63.

spensary observation of patients who have survived myocardial infarction. V.S.Krapivner. Sbor.nauch.-prakt. Poliklin. im. F.E.Dzerzh. no.2:14-35 '61.

thyl chloride block in the treatment of angina pectoris and myocardial infarct. L.Z.Lauevicius. Kardiologiya 2 no.3:83-84 My-Je '62.

ree ribonucleotides and the activity of some enzymes of the pentose phosphate cycle in the heart muscle in experimental myocardial infarction [with summary in English]. A.I.Kolotilova and others. Biokhimiia 28 no.1:113-121 Ja-F '63.

Hemodynamics in patients suffering from angina pectoris and myocardial infarction; according to data of mechanocardiography. M.A.Voskanov. Vrach.delo no.3:132-133 Mr '63.

Myocardial infarcts following physical overstrain [with summary in English]. M.A.Gurevich. Kardiologiya 2 no.3:30-35 My-Je '62.

Pseudoinfarction changes in the electrocardiogram following surgical treatment of cardiac aneurysm; experimental data. I.S.Kun, I.Z.Kozlov. Kardiologiya 2 no.3:51-57 My-Je '62.

Recurrent myocardial infarctions in patients with thyrotoxicosis. V.S.Krapivner. Sbor.nauch.-prakt. Poliklin. im. F.E.Dzerzh. no.2:36-38 '61.

Some biochemical indices in coronary insufficiency and their diagnostic importance [with summary in English]. P.E.Lukomskii. Kardiologiya 2 no.3:3-16 My-Je '62.

Treatment and hospitalization of patients with myocardial infarct complicated by collapse [with summary in English]. L.B.Shapiro and others. Sov.med. 26 no.1:18-21 Ja '63.

Vascular disorders of the brain in patients with myocardial infarction. V.D.Trushin. Med.sestra 21 no.1:50-52 N '62.

What is myocardial infarction. N.S.Molchanov. Med.sestra 21 no.1:24-30 N '62.

HEART-MUSCLE

Antibodies against homologous heart tissue in the serum of animals immunized by streptococcus [with summary in English]. I.M.Liampert and others. Vop.revm. 3 no.1:3-10 Ja-Mr '63.

Excretion of substances possessing negatively inotropic properties by the muscular tissues of the heart. G.N.Kopylova, M.G.Udel'nov. Nauch.dokl.vys.shkoly; biol.nauki no.2:62-67 '63.

Interrelation between the physiological function and genetic apparatus of a cell. F.Z.Meerson, E.M.Lekina, T.D.Beloshapkina. Dokl. AN SSSR 149 no.3:700-702 Mr '63.

HEART-SOUND

Stand for heart auscultation and simultaneous visual observation of phases of the cardiac cycle. E.S.Sigal. Kaz.med.zhur. no.5:87 S-O '62.

HEART-VALVES

Class demonstration of heart valve movements. G.IA.Pritina. Biol.v shkole no.2:33-34 Mr-Apr '63.

HEART BLOCK

Treatment of a heart block with prednisolone. V.I.Anasikhina, I.A.O.Rudakov. Kardiologiya 2 no.3:86-87 My-Je '62.

HEAT-CONDUCTION

Analytical studies of heat losses in structures placed underground or covered with earth under unsteady temperature conditions. O.G.Shechukin. Sbor.nauch.rab. AKKH no.12:136-140 '62.

Temperature field of an infinite plate when the temperature of the surrounding medium and the heat transfer coefficient depend on time [with summary in English]. I.U.L.Rozenshtok. Inzh.-fiz.zhur. 6 no.3:45-50 Mr '63.

Unsteady heat conduction in multilayer media. Part 3: Three- and four-layer systems [with summary in English]. Inzh.-fiz.zhur. 6 no.3:88-94 Mr '63.

HEAT-CONVECTION

Convective instability of a two-component mixture in a gravitational field. G.Z.Gershuni, E.M.Zhukhovitskii. Prikl.mat.i mekh. 27 no.2:301-308 Mr-Apr '63.

Distortion in optical tubes due to heat convection [with summary in English]. A.N.Kozlova. Inzh.-fiz.zhur. 6 no.3:110-113 Mr '63.

Equations of steady convection. M.R.Ukhovskii, V.I.Iudovich. Prikl.mat.i mekh. 27 no.2:295-300 Mr-Apr '63.

Free heat convection in aqueous salt solutions filling vertical circular tubes [with summary in English]. E.I.Slavnova. Inzh.-fiz.zhur. 6 no.3:106-100 Mr '63.

Heat convection in a whirling air flow under pressure. G.N.Delagin. Trudy IGI 18:24-34 '62.

HEAT-PERIODICALS

Summaries of articles published in the international journal "Teple- i massopereenos" vol.5, 1962. Inzh.-fiz.zhur. 6 no.3:131-132 Mr '63.

HEAT-RADIATION AND ABSORPTION

Malysheva, A.E. [Hygienic problems of radiation-heat exchange of man and his environment; radiation cooling] Gigenicheskie voprosy radiatsionnogo teploobmena cheloveka s okruzhayushchel sredoi; radiatsionnoe okhlazhdenie. Moskva, Medgiz, 1963. 241 p.

HEAT-TRANSMISSION

Calorimetric method for checking techniques used in determining boundary conditions in nonstationary heat exchange. E.V.Kudrjavtsev, K.N.Chakalev. Trudy MIIT no.138:131-134 '61.

Critical thermal loads and heat emission during forced motion of water in pipes in the region of supercritical pressures (175-220 atm.). A.P.Ornatskii. Teploenergetika 10 no.3:66-60 Mr '63.

Distribution of the intensity of the radiation of a torch along the height of furnace walls. I.P.Epik, A.A.Ots. Teploenergetika 10 no.3:51-53 Mr '63.

Effect of the degree of blackness in a furnace on the heat exchange in combustion chambers. V.I.Lebedev. Trudy MIIT no.139:90-101 '61.

Effect of the nonuniformity of heat transfer along the height of a fin on its efficiency [with summary in English]. V.K.Migai. Inzh.-fiz.zhur. 6 no.3:51-57 Mr '63.

Experimental study of the heat emission of carbonic acid in the region of thermodynamic crisis during turbulent flow in pipes. B.N.Kolbasov. Trudy MIIT no.139:193-200 '61.

Experimental study of the turbulent heating of a boundary layer in the motion of a gas in axisymmetrical diffusers with cooled walls. P.N.Romanenko, A.I.Leont'ev. Trudy MIIT no.139:154-158 '61.

Experimental study of threshold boiling conditions with inertial overloads. D.A.Labutsov, Z.S.Abusattarov. Teploenergetika 10 no.3:70-74 Mr '63.

Heat and mass transfer in capillary bodies in the process of heating [with summary in English]. O.A.Rudenko-Gritsuk, A.A.Mikhalev. Inzh.-fiz.zhur. 6 no.3:95-98 Mr '63.

Heat exchange between a jet and a plate in a normal plane to the flow. P.M.Brulik, G.E.Verevchikov, V.A.Smirnov. Trudy MIIT no.139:182-192 '61.

Heat transfer during the boiling of Freon-12 in a solar refrigerator. K.Taganov, Kh.II'asov. Khol.tekh. 40 no.2:4-7 Mr-Apr '63.

Heat transfer from a freely rotating nonuniformly heated disk [with summary in English]. V.M.Kapinos. Inzh.-fiz.zhur. 6 no.3:12-20 Mr '63.

Heat transfer in tubes of annular cross section [with summary in English]. B.S.Petukhov, L.I.Roizen. Inzh.-fiz.zhur. 6 no.3:3-11 Mr '63.

Heat transfer of a cylinder in the presence of transverse flow about it and harmonically varying speed. I.P.Peluseichenko, D.F.Simbirskii. Teploenergetika 10 no.3:62-66 Mr '63.

Heat transfer to the boiling urea melt. P.G.Trunov. Khim.prom. no.3:217-218 Mr '63.

Krivoruchenko, V.V., and M.A.Korobov. [Heat and power balance of aluminum and magnesium electrolyzers] Teplovoe i energeticheskoe balansy aluminiyevykh i magnitovykh elektrolizero. Moskva, Metallurgizdat, 1963. 310 p.

Relation between the intensity and irreversibility of the heat transfer process [with summary in English]. I.T.El'perin. Inzh.-fiz.zhur. 6 no.3:40-44 Mr '63.

Regular pattern in the formation of a slag crust in metallurgical furnaces. I.M.Rafalovich. TSvet.met. 36 no.4:44-50 Ap '63.

Similarity criteria of heat and mass transfer in dispersive media. I.U.A.Mikhailov. Trudy MIIT no.139:172-182 '61.

Similarity of nonstationary heat exchange in solid bodies under identical conditions. E.V.Kudrjavtsev, N.V.Shumakov. Trudy MIIT no.139:122-130 '61.

Study and design of a Freon regenerative heat exchanger. V.M.Shayra. Khol.tekh. 40 no.2:18-24 Mr-Apr '63.

Study of complex heat exchange in a cooled canal. L.A.Goriatnov. Trudy MIIT no.139:101-105 '61.

Study of the heat transfer from an isothermal plane plate to a turbulent liquid flow [with summary in English]. D.B.Spalding. Inzh.-fiz.zhur. 6 no.3:21-33 Mr '63.

Temperature of the heating surface of the brandy distillation apparatus. B.V.Sukhachov. Trudy KIPP no.22:224-226 '61.

Use of integral transformations in the study of heat and mass transfer effects and their relationship to the similarity theory. A.V.Lykov. Trudy MIIT no.139:10-19 '61.

Zakharikov, N.A. [Heat-exchange processes in glass furnaces] Teploobmennyye protsessy v steklovarennykh pechakh. Kiev, Goskizdat USSR, 1962. 246 p.

HEAT ENGINEERING

Dolfin, N.P. [Units for heating chemical apparatus by means of high-temperature organic media] Ustanovki dlia nagreva khimicheskoi apparatury vysokotemperaturnymi organicheskimi teploноситelami. Moskva, Mashgiz, 1963. 280 p.

"Heat using equipment in the cotton industry" by V.P.Samolov. Reviewed by Bazhenov and others. Izv.vys. ucheb. zav.; tekhn.tekst.prom. no.1:160-162 '63.

Industrial research of the All-Union Heat Engineering Institute for 1962. Teploenergetika 10 no.3:94-98 Mr '63.

On P.K.Konakov's article in IFZh no.6, 1962. A.S.Nevskii. Inzh.-fiz.zhur. 6 no.3:127-130 Mr '63.

Operation of an open heat supply system and methodology for calculating its central control. M.L.Zaka, I.A.I. Kaplinski. Teploenergetika 10 no.3:40-51 Mr '63.

Optimum temperature of flue gases with a capped heat exchanger installed behind a boiler. N.P.Kariagin. Prom.energ. 18 no.4:14-19 Ap '63.

HEAT ENGINEERING (Continued)

Present state of the similitude theory and prospects for using it in heat engineering. P. K. Konakov. Trudy MIIT no. 139:4-10 '61.

Reports presented at the Plenary Session of the Inter-university Conference on Similitude Theory and its use in Heat Engineering. A. A. Gukhman. Trudy MIIT no. 139:31-44 '61.

Utilization of the heat of exhaust gases of large boilers. Z. M. Feigel'man. Prom. energ. 18 no. 4:4-6 Ap '63.

HEAT ENGINEERING—ABSTRACTS

[Heat engineering] Ref. zhur.: Teploenerg. no. 5 My '63.

HEAT EXCHANGERS

Economical temperature of waste gases with the installation of a surface heat exchanger after the boiler. N. P. Karagin. Izv. vyz. ucheb. zav. petro. i arkhit. 6 no. 3: 103-115 '63.

Optimum temperature of flue gases with a capped heat exchanger installed behind a boiler. N. P. Karagin. Prom. energ. 18 no. 4:14-19 Ap '63.

Some laws governing complex heat exchange. P. K. Konakov. Trudy MIIT no. 139:82-84 '61.

Study of complex heat exchange in combustion chambers. V. T. Kurnikov. Trudy MIIT no. 139:84-90 '61.

Utilizing the explosion energy for stamping heat exchanger plates. V. F. Radzivonchik, V. K. Borisovich, A. I. Svirnov. Khim. mashinost. no. 2:34-30 Mr-Apr '63.

HEAT OF FORMATION

Heat of formation of barium selenite. Z. I. Leshchinskaya, N. M. Selivanova, I. S. Strel'tsov. Zhur. neorg. khim. 8 no. 3:763-764 Mr '63.

HEAT-RESISTANT ALLOYS

Vorob'ev, V. G. [Theory of heat resistance. Heat-resistant steels and alloys] Teoriya zharoprochnosti. Zhur. zharoprochnosti i splyav; lektsii dlia studentov mashinostroitel'nykh spetsial'nostei, izuchalushchikh kurs "Metallovedenie i termicheskaya obrabotka," i studentov metallurgicheskogo fakul'teta, izuchalushchikh kurs "Termicheskaya obrabotka." Moskva, Gos. izd-vo "Vysshaya shkola," 1961. 74 p.

[MICROFILM]

HEAT-RESISTANT ALLOYS—ANALYSIS

Local analysis of heat-resistant alloys. E. P. Rikman. Nauch. trudy Tul. gor. inst. no. 3:121-130 '61.

HEAT-RESISTANT ALLOYS—DEFECTS

Correcting defects trapped in ingots of heat-resistant alloys during high temperature upsetting. M. V. Rastegaev. Kuz.-slitn. proizvod. 5 no. 4:19-21 Ap '63.

HEATING

The problem of an efficient system of heating residential and public buildings in permafrost regions. V. A. Orlov. Sb. nauch. rab. AKKH no. 12:206-213 '62.

Reliable source of heat radiation. IU. Ermakov. Stroi. i arkhit. Mosk. 11 [i.e. 12] no. 4:25-26 Ap '63.

Stabilizer of the heating power generated by electron bombardment. O. P. Fedorov, L. S. Starostina. Prib. i tekhn. eksp. 8 no. 2:156-150 Mr-Apr '63.

HEATING—EQUIPMENT AND SUPPLIES

"Heating, ventilation and air conditioning: equipment, accessories and materials." Biol. stroi. tekhn. 20 no. 4: 8-9 Ap '63.

HEATING—HANDBOOKS, MANUALS, ETC.

Kasatkina, I. L. [Handbook for heating engineers of industrial enterprises] Spravochnik posobie dlia teploekhnikov promyshlennykh predpriatii. Minsk, Gosizdat BSSR, 1963. 303 p.

HEATING FROM CENTRAL STATIONS

Points from trade journals. Prom. energ. 18 no. 1: 62-63 Ja '63.

Principal trends in the development of more efficient central heating systems. E. O. Shteingauza. Teploenergetika 10 no. 3:92-93 Mr '63.

HEATING PIPES

Heating system composed of large sections. Stroi. i arkhit. Len. 24 no. 12:35 D '62.

Prefabrication techniques in the construction of heating networks. O. N. Mel'nikov. Stroi. i arkhit. Len. 25 no. 4:19-21 Ap '63.

HEDGEHOGS—DISEASES AND PESTS

Triple infection of the hedgehog *Hemitechinus albus* major Ognev with cutaneous leishmaniasis. P. A. Petrishcheva, E. M. Belova. Vop. kraev. paraz. Tur. SSR 3:123-125 '62.

HEDGEHOGS AS CARRIERS OF DISEASE see subdivision under Turkmenistan

HELEDAE see subdivision under Turkmenistan

HELICOPTERS—PILOTING

Against rough piloting of a helicopter. P. Ramatsevich. Kryn. rod. 14 no. 2:23 F '63.

Approaches in a helicopter. E. Borisov. Kryn. rod. 14 no. 2:22-23 F '63.

Captains of helicopters. IA. Cherniavskii. Kryn. rod. 14 no. 2:4 F '63.

Hanging on a propeller. A. Kariagin. Grazhd. av. 20 no. 1:5 Ja '63.

HELIUM

Effect of impurities on the yield of He²⁺ ions in a cyclotron source. N. I. Venkov, N. V. Starostin. Prib. i tekhn. eksp. 8 no. 2:25 Mr-Apr '63.

Panofsky ratio for He³ and the RMS radius for the H³ - H³ transition [with summary in English]. O. A. Zaitmldoroga and others. Zhur. eksp. i teor. fiz. 44 no. 4:1180-1183 Ap '63.

Use of electron scattering for gas pressure measurement. V. P. Chebotayev. Prib. i tekhn. eksp. 8 no. 2:176-177 Mr-Apr '63.

HELLEBORE

Embryology of the representatives of the tribe Helleboreae. IE. L. Kordium. Vsesy. Kryn. un. no. 2, Ser. biol. no. 1:27-33 '59.

HELMHOLTZ, HERMANN, 1821-1894

Concerning the publication of N. N. Lange's manuscript "Helmholtz as a psychologist." B. M. Teplov. Vop. psikh. 9 no. 2:141-143 Mr-Apr '63.

Helmholtz as a psychologist. N. N. Lange. Vop. psikh. 9 no. 2:144-150 Mr-Apr '63.

HELMINTHOLOGY

Conference on Helminthology. K. M. Ryzhikov. Vest. AN SSSR 33 no. 4:112-113 Ap '63.

HEMAGGLUTININ

Increase in the activity of the anti-hemagglutinins of an anti-influenza serum due to heating. M. G. Gaidamaka, A. S. Dromashko, A. A. Mukhina. Vop. virus. 7 no. 6: 726-729 '62.

HEMOGLOBINURIA

Cold hemolytic disease; paroxysmal hemoglobinuria. Kh. K. Chebanov. Vrach. delo no. 3:125-126 Mr '63.

HEMOLYSIS AND HEMOLYSINS

Hemolysis reaction in hemorrhagic nephrosonephritis. A. D. Kalmykova, N. N. Kraminskaya, O. G. Vasilenko. Vop. virus. 7 no. 6:729-731 N-D '62.

HEMOPOIETIC SYSTEM

Clinicopathogenetic evaluation of a comparative study of medullary hemopoiesis in rheumatic fever and chronic tonsillitis [with summary in English]. A. A. Krylov. Vop. revm. 1 no. 3:68-74 JI-S '61.

Effect of space flight in spacecrafts on the cytological and histological changes in the hemopoietic organs of mice [with summary in English]. M. A. Arsen'eva and others. Probl. kosm. biol. 2:116-127 '62.

Preliminary data on the functional state of medullary hemopoiesis in delirium tremens. A. P. Gofman, IU. L. Shapiro. Probl. sud. psikh. no. 12:181-193 '62.

HEMORRHAGE

Aid rendered by the medical nurse to patients bleeding from the ear, the upper respiratory organs, and the esophagus. Vasilka Gevezova. Med. sestra 21 no. 10: 36-39 O '62.

Frequency and characteristics of pulmonary hemorrhages in tuberculosis patients not treated and treated with antibacterial preparations [with summary in English]. Z. N. Rozmainskaya. Sov. med. 28 no. 1:70-84 Ja '63.

Hemorrhages following tooth extraction. M. M. Tsarin-skii. Stomatologiya 41 no. 5:44-45 S-O '62.

Some pathogenetic mechanisms of hemorrhagic complications during the use of anticoagulants under experimental conditions [with summary in English]. A. A. Sukhanov, E. K. Bogomolova. Kardiologiya 2 no. 3:58-64 My-Je '62.

HEMORRHAGIC FEVER

Study of virusemia in muskrats in experimental inoculation with the Omsk hemorrhagic fever virus. T. N. Zakorkina. Vop. virus. 7 no. 6:742 N-D '62.

HEMP

Production costs of hemp fiber. E. I. Lapa. Tekst. prom. no. 2:13-14 F '63.

HEPARIN

Method of determining the heparin time. N. S. Khalabuda. Vrach. delo no. 3:127 Mr '63.

HEPATITIS, INFECTIOUS

(see also subdivision under Azerbaijan)

Appropos S. S. Spatarenko's "Letter to the editor" published in "Voprosy virusologii," no. 3, 1961. P. E. Verbeev. Vop. virus. 7 no. 6:759 N-D '62.

Diagnostic importance of determining the activity of aldolase in patients with Botkin's disease. V. M. Sukharev. Vrach. delo no. 3:143-144 Mr '63.

Effect of Istiau mineral water on the bile-secreting function of the liver in epidemic hepatitis (Botkin's disease) [in Armenian with summary in Russian]. Kh. G. Ramazanov. Azerb. med. zhur. no. 2:16-21 F '62.

Epidemic hepatitis and progressive liver cirrhosis [with summary in English]. Kh. Kh. Mansurov. Sov. med. 26 no. 1:6-12 Ja '63.

Experience in cupping foci of epidemic hepatitis in children's preschool establishments. R. D. Zlatopolskaya and others. Vop. virus. 7 no. 6:724-725 '62.

Reproduction of infectious hepatitis in guinea pigs. I. Gol'dberg. Vop. virus. 7 no. 6:743 N-D '62.

HEPTANE

Catalytic conversion of n-heptane in the presence of glauconite. B. L. Kvirikashvili. Trudy inst. khim. AN Gruz. SSR 16:89-98 '62.

HERBICIDES

Field experiment on the use of trace-element fertilizers and some herbicides in rural schools. D. B. Koshchik. Khim. v shkole 18 no. 1:72-75 Ja-F '63.

Herbicidal activity of some preparations derived from wood tar. B. R. Eldus, N. M. Ponomarenko. Trudy Kras. SKH 3 no. 1:273-276 '59.

Using herbicides in soybean fields. A. I. Mordashev. Zemledelie 25 no. 1:54-56 Ja '63.

Wondrous liquid. Blok. agit. [Gruz.] 19 no. 23:3 of cover D '62.

HERDER, JOHANN GOTTFRIED VON, 1744-1803

J. Herder's views on problems of language. N. A. Sigal. Uch. zap. LGU no. 318:3-20 '62.

HEREDITY

Hagemann, R. [Plasmatic heredity. Translated from the German] Plasmatische Erbschaft. F. J. red. i s predisl. B. L. Astasurova. Moskva, Izd-vo inostr. lit-ry, 1962. 110 p.

Logical analysis of the structure of hereditary information. A. A. Liapunov, A. G. Malenkov. Probl. kh. no. 2: 293-308 '62.

Sciences control the nature of plants. Zemledelie 15 no. 1:97-99 Ja '63.

HERPES ZOSTER

Isolation and cultivation of chicken pox and herpes zoster viruses in a tissue culture [with summary in English]. E. B. Gurvich. Vop. virus. 7 no. 6:705-711 N-D '62.

HERRING

(see also subdivision under Kakhovka Reservoir)

Chemical characteristics of smoked and liquid-smoked herring. A. I. Iuditskaya, T. M. Lebedeva. Ryb. khoz. 30 no. 2:70-84 '63.

HERRING FISHERIES see subdivision under Atlantic Ocean

HERTZEN, ALEKSANDR IVANOVICH, 1812-1870

"A. I. Herten's exile in Vyatka" by V. A. Sobolev. Reviewed by D. Murav'ev. Vop. lit. 7 no. 2:235-235 F '63.

A. I. Herten's "Kolokol" and the agrarian-peasant question in Russia. R. IA. Goldsman. Dokl. TSKhA no. 6: 269-281 '61.

HETEROCYCLIC COMPOUNDS—CONGRESSES

Results of the proceedings of the conference on five-membered nitrogen heterocycles. A. M. Simonov, A. F. Pozharskii, A. D. Garovskii. Zhur. VKhO 8 no. 2: 210-221 '63.

HEUSINGER, ADOLF, 1897-

Danov, G. P. [General Heusinger's dreams] Chisla snitila generalu Kholzingeru. Moskva, Gospolitizdat, 1962. 30 p.

HEXACHLORAN see Benzene Hexachloride

HEXADYNOFENONE

Chemistry of polyene and polyacetylene compounds. Report No. 9: Synthesis of capillene, capillin, and related compounds. B. F. Gusev, V. F. Kucherov. Izv. AN SSSR, Otd. khim. nauk no. 3:517-521 Mr '63.

HEXONIUM

Age-related characteristics of the sensitivity of gingiva of the vegetative nervous system with respect to the effect of hexonium [with summary in English]. IU. X. Duplenko. Vrach. delo no. 3:65-71 Mr '63.

Mechanism of hexonium action in ulcer cases. S. E. Granovskaya. Vrach. delo no. 3:140-141 Mr '63.

HEYERDAHL, THOR, 1914-

Contribution of a guest from "Kon-Tiki" to the readers of "Smena." Smena 29 no. 12:27 Je '63.

HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

HIGH TEMPERATURE MATERIALS see Materials at high temperature

HIGH TEMPERATURE METALLURGY see Metals at high temperature

HIGHER EDUCATION see Education, Higher

HIKMET, NAZIM, 1902-

"Selected verse" by Nazim Hikmet. Reviewed by IU. A. Sel'vinskii. Znaniia 33 no. 2:214-217 F '63.

HILBERT SPACE

A nonlinear boundary value problem in the theory of harmonic functions in a Hilbert functional space. M. M. Kekelidze. Trudy GPI [Gruz.] no. 6:47-53 '61. Theorem on homeomorphisms and a local increase in smoothness up to the boundary of solutions to elliptic equations. I. M. Berezanskii, S. G. Krein, I. A. A. Rottberg. Dokl. AN SSSR 148 no. 4:745-748 F '63.

HILL, JOE, pseud. see Hillstrom, Joseph, 1879-1915

HILLSTROM, JOSEPH, 1879-1915

Dmitriyev, I. U. D., and N. F. Osipov. [Tale of immortal Joe] Povest' o vechno zhivom Dzhio. Moskva, Izd-vo "Znanie", 1962. 91 p. (Prochti, tovarishchi!)

HINDUS see subdivision under South Africa, Republic of

HISTAMINE

Uspenskii, V. I. [Histamine] Gistamin. Moskva, Medgiz, 1963. 214 p. (DNLM)

HISTOLOGY

Vsesoyuznoe nauchnoe obshchestvo anatomov, gistologov i embriologov. [Theses of reports of the symposia of the All-Union Scientific Society of Anatomists, Histologists, and Embryologists held in Kaunas, June 26-28, 1962] Tezisy dokladov simpoziumov...; g. Kaunas 26-28 iyunia 1962 g. Moskva, 1962. 82 p.

HISTORICAL LIBRARIES see subdivision under Moscow

HISTORICAL MUSEUMS see subdivision under Latvia

HISTORICAL RESEARCH

[see also subdivision under Kharkov; Ukraine; Uzbekistan]
The All-Union Conference of Soviet Historians. Ist. SSSR 7 no. 1:1-vii Ja-F '63.
Facts and their role in historical studies. V. V. Kosolapov. Ukr. ist. zhur. 6 no. 2:78-85 Mr-Apr '63.
Old riddles of history and new hypotheses (to be continued). A. Gorbovskii. Nauka i zhizn' 30 no. 1:75-80 Ja '63.

HISTORIOGRAPHY

Akademii nauk SSSR, Institut istorii. [Soviet historical studies from the 20th to the 22d Congress of the CPSU; the history of Western Europe and America] Sovetskaya istoricheskaya nauka ot XX k XXII s'ezdu KPSS; istoriya Zapadnoi Evropy i Ameriki. Sbornik statei. Moskva, Izd-vo Akad. nauk SSSR, 1962. 316 p.

HISTORY

Brief notes. Vop. ist. 38 no. 4:104-105 Ap '63.

HISTORY—AUDIO-VISUAL AIDS

Use of appliqué in history lessons. L. I. Dzubinskii. Nach. shkola 31 no. 2:77-78 F '63.

HISTORY—BIBLIOGRAPHY see Bibliography—History

HISTORY—CURIOSA AND MISCELLANY

Historical news. Prep. ist. v shkole 18 no. 2:125-128 Mr-Apr '63.

HISTORY—PERIODICALS

Expanded meeting of the editorial staff of our periodical. Prep. ist. v shkole 18 no. 2:124 Mr-Apr '63.

HISTORY—PHILOSOPHY

The logic of historical interpretation. E. E. Pechuro. Vop. ist. 38 no. 4:182-184 Ap '63.
V. I. Lenin's analysis of the role of the subjective factor in social life [with summary in English, p. 184]. B. A. Chagin. Vop. filos. 17 no. 4:34-46 '63.
Voliko, V. I. [Dialectical and historical materialism] Dialekticheski i istoricheski materializm; kurs lektsii. [Kiev] Izd-vo Kievskogo univ., 1962. 380 p.

HISTORY—STUDY AND TEACHING

For the effectiveness of history classes in Soviet schools. P. L. Ukhovska, H. O. Tsvikun'ska. Ukr. ist. zhur. 6 no. 2:120-129 Mr-Apr '63.
Historical science and education. Prep. ist. v shkole 18 no. 2:3-6 Mr-Apr '63.
Local history club. A. Dovgun. Shkola-int. no. 1:51-54 Ja-F '63.
Purposeful organization of a lesson and its role in the solution of educational problems. P. V. Gora. Prep. ist. v shkole 18 no. 2:33-48 Mr-Apr '63.
Republic-wide pedagogical readings. L. I. Petrova. Prep. ist. v shkole 18 no. 2:64-70 Mr-Apr '63.
We should teach our students to follow the example of Soviet heroes. A. V. Stanulonis. Ukr. ist. zhur. 6 no. 2:130 Mr-Apr '63.

HISTORY, ANCIENT

"City of the winged bulls" by M. Mih'chik, B. Boreiko. Reviewed by B. Kamov. Nar. obr. no. 4:119-120 Ap '63.

HISTORY, MODERN

"Studies on recent history, 1917-1939" [in Czech]. Reviewed by F. P. Petrov. Vop. ist. 38 no. 4:162-164 Ap '63.

HOCKEY

Bravoi V. Viktorov. Ogonek 41 no. 13:0-8 Mr '63.

HOCKEY—EQUIPMENT AND SUPPLIES

Hockey stick. Nauka i zhizn' 30 no. 1:104-105 Ja '63.

HODGKIN'S DISEASE

Diagnosis of isolated lymphogranulomatosis of the stomach. A. M. Berdykev. Zdrav. Turk. 7 no. 2:25-27 F '63.

Some pathomorphological and clinical characteristics of lymphogranulomatosis when treated by different methods. B. M. Ariel'. Klin. khir. no. 5:43-48 My '62.

HODOGRAPH

Laboratory equipment providing for a constant rate of deformation. I. L. Akaro. Kuz.-shtam. proizv. 5 no. 4:27-29 Ap '63.

HOISTING MACHINERY

Hoisting devices in a system of push conveyors. I. P. Utkin. Avt. prom. 28 no. 6:30-39 Je '62.

Hydraulic hoist for automatic lines. V. I. Rafal'skii. Mashinostroitel' no. 3:42-43 Mr '63.

Russia (1917- R. S. F. S. R.) Ministerstvo stroitel'stva. Upravlenie mekhanizatsii spetsial'nykh i montazhnykh rabot. Tsentral'noe konstruktorskoe biuro. [Cranes used in construction and assembly] Stroitel'no-montazhnye krany; spravochnoe posobie. Moskva, Tsent. biuro tekhn. informatsii. No. 3. [Hoists and lifts used in assembly] Montazhnye pod'emniki i vyshki. 1962. 70 p. [MICROFILM]

Turnbuckles for conveying molding cores and forms. V. N. Kavratskii. Mashinostroitel' no. 3:25 Mr '63.
Up the cable: Norman Ditt's machine. Nauka i zhizn' 30 no. 1:110-112 Ja '63.

HOISTING MACHINERY—TESTING

Stand for the testing of load lifting devices. V. Klimkov. Rech. transp. 22 no. 4:37 Ap '63.

HOLIDAYS

Celebration of religious holidays brings nothing but harm. I. Dzidzigi. Blok. agit. [Gruz.] 19 no. 23:25-27 D '62.

HOLLAND see Netherlands

HOME AND SCHOOL

Akademii pedagogicheskikh nauk RSFSR, Moscow. Institut teorii i istorii pedagogiki. [School, family and community] Shkola, sem'ia i obshchestvennost'. Pod red. E. I. Volkovoi. Moskva, Izd-vo Akad. pedagog. nauk, 1963. 79 p. (Pedagogicheskie chteniia)
Comments by parents. N. Fedorenko and others. Doshk. vosp. 38 no. 3:72-80 Mr '63.
Cooperation between school and family. T. N. Kalechits. Nach. shkola 31 no. 2:55-57 F '63.
For a happy childhood. R. Finkel'shtein. Doshk. vosp. 36 no. 3:80-82 Mr '63.
"Heartfelt thanks for it..." N. Rulev. Doshk. vosp. 36 no. 2:87-88 F '63.
Jointly with the family. A. Andriushchenko. Doshk. vosp. 38 no. 2:75-76 F '63.
Jointly with the family. Doshk. vosp. 36 no. 3:71-72 Mr '63.
New forms of cooperation among schools, families and communities. O. P. Rozlovskaya. Sov. pedagog. 27 no. 4:67-72 Ap '63.
Supervisor of a pedagogical collective. E. Zarudi. Doshk. vosp. 36 no. 3:9-10 Mr '63.
This is our common cause. V. Berei'kovskii. Doshk. vosp. 36 no. 2:70-71 F '63.

HOME ECONOMICS

Advice for men. Rab. i sial. 38 no. 2:24 F '63.
Useful advice. Rab. i sial. 38 no. 3:24 Mr '63.
Useful advice. Rab. i sial. 38 no. 4:23 Ap '63.

HOME LABOR see subdivision under Moscow

HOMOGRAFTS

Homoplasty in the treatment of extensive deep burns in children [with summary in English in insert]. M. V. Volkov, R. L. Ginzburg. Ortop., travm. i protez. 23 no. 11:31-35 N '62.

HOMOLOGY THEORY

Multiple K nneth formulas. M. F. Bokshtein. Izv. AN SSSR. Ser. mat. 27 no. 2:467-482 Mr-Apr '63.

HONEY PLANTS—DISEASES AND PESTS

Effect of pests on the nectar yield in plants. E. O. Shul'gina. Zashch. rast. ot vred. i bol. 6 no. 11:10 N '61.

HOOKWORKS

Diagnosis of ancylostomiasis. V. K. Anisimov. Lab. delo 8 no. 3:44-45 Mr '63.

HOPS—FERTILIZERS AND MANURES

Effect of the conditions of root nutrition on the development and biochemical processes of hops. V. M. Parshikov. Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:60-70 '60.

HORMONE THERAPY

Aggravation of thyrotoxicosis phenomena in the treatment with hormonal preparations [with summary in English]. D. D. Drozdov. Vrach. delo no. 3:26-29 Mr '63.

Hormone and drug therapy in rheumatic carditis [with summary in English]. T. I. Bibikova and others. Vop. revm. 1 no. 2:33-39 Ap-Je '61.

HORMONES, SEX

Causes of nuptial excitation of birds in the fall. IE. O. Moshkov. Visnyk Kyiv. un. no. 3. Ser. biol. no. 1:108-112 '60.

HORNFELS see subdivision under Krivoy Rog Basin

HORSE RACING

Cross-country running is the destiny of the daring. G. Tnovitskii. Smenn 30 no. 18:26-28 S '62.

HORSES—DISEASES AND PESTS

Conditions of development, clinical aspects, and treatment of ringworm in horses. E. M. Krepyashev. Trudy Kras. SKHI 3 no. 1:100-108 '59.

HORSES, FOSSIL

Correction of the error made in "History of genus Equus in the Old World." Vera Gromova. Blul. Kom. chetv. per. no. 27:150-160 '62.

HOSE

Replacing rigid pipelines by flexible rubber-fabric hose. G. G. Metelkin, B. K. Krechman. Sudostroenie 29 no. 4: 60-61 Ap '63.

HOSE—TESTING

What causes the early wear of fire hose. A. Bushuev. Pozh. delo 9 no. 3:22-23 Mr '63.

HOSIERY, NYLON see subdivision under Chernovtsy

HOSIERY INDUSTRY see subdivision under Gomel'

HOSPITALS see subdivision under Kiev

HOSPITALS—ADMINISTRATION

Organization of the work in the methodological department of the district hospital. V. N. Rassvetayev. Zdrav. Ros. Feder. 7 no. 2:23-25 F '63.

HOSPITALS—FURNITURE, EQUIPMENT, ETC.

Results of the introduction of minor mechanization in the therapeutic department. B. I. A. Daikhovskii. Med. sestra 21 no. 10:50-52 O '62.

HOSPITALS—OUTPATIENT SERVICE

Dispensary care of patients with cardiovascular diseases. P. P. Obnorskii. Med. sestra 21 no. 11:35-39 N '62.
Effective method for the prevention of cardiovascular diseases; concerning sanitary instruction of outpatients. A. T. Arustamova. Med. sestra 21 no. 11:56-58 N '62.

HOSPITALS, RURAL

[see also subdivision under Bukovina]
Distribution and utilization of medical personnel and hospital beds in rural areas. M. S. Badnyi. Zdrav. Ros. Feder. 7 no. 4:13-17 Ap '63.

HOT-WATER SUPPLY—STANDARDS

"Hot-water supply; standards for design." Blul. stroit. tekhn. 20 no. 4:13-15 Ap '63.
New standards for the design of hot-water supply. N. F. Kachanov, L. A. Shopenskii. Vod. i san. tekhn. no. 4: 32-34 Ap '63.

HOURS OF LABOR

In favor of a seven-hour work schedule. P. Kutianin. Mor. flot 23 no. 1:19 Ja '63.
In the interests of a common cause. A. Berdnikov. Mor. flot 23 no. 1:18 Ja '63.
Ostrovskii, L. A. [Working time under Soviet labor law] Rabochnye vremia po sovetskomu trudovomu zakonodatel'stvu. Minsk, Izd-vo Akad. nauk DSSR, 1963. 155 p.

Seven or eight-hour work schedule. B. Ostashevskii. Mor. flot 23 no. 1:16-17 Ja '63.
Shortening of the workday and the problem of the efficient use of leisure time. T. P. Alekseeva, V. P. Shchedrenok. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Polit. ekon. no. 5:126-147 '62.

HOUSE DRAINAGE see Drainage, House

HOUSE PLANTS

Spring in a nature corner. A. Pol'ovyi. Doshk. vykh. 24 no. 3:40-41 Mr '63.

HOUSEHOLD APPLIANCES—TECHNOLOGICAL INNOVATIONS see subdivision under Grodno

HOUSING

[see also subdivision under Minsk; United States; Zhlobin]

People are building. A. Khitrov. Kul't. i zhizn' 6 no. 11:10-13 '62.
Toward the complete solution of the housing problem. V. Kuleshov. Agitator no. 15:11-15 Ag '62.

HOUSING—LAW AND LEGISLATION

"Housing laws of the U.S.S.R. and the Ukrainian S.S.R." Reviewed by V. Onoprienko, A. Turovets'kyi. Rad. pravo no. 2:152-154 Mr-Apr '68.

HOUSING FOR PHYSICALLY HANDICAPPED

(see also subdivision under Amur Province; Cherkizovo; Chernolstochinsk; Ivanovo Province; Moscow)
Are work monitors necessary? N. Tropanov. Sots. obesp. 24 no. 4:36-37 Apr '63.
Editor's mail. R. Bilik, D. Dubinskii. Sots. obesp. 24 no. 4:40 Apr '63.

HREDINAROV, VASYL ILARIONOVYCH, 1895-

Vasyl Hredinarov, the storyteller. I. O. Kyslyns'kyi. Nar. tvorch. ta etn. 6 no. 4:98-100 O-D '62.

HULLS (NAVAL ARCHITECTURE)

Dry cargo ships without transverse bulkheads between holds. P. G. Verenov, V. A. Evstifeev, V. V. Ikonnikov. Sudostroenie 29 no. 3:1-5 Mr '63.
Elements welded into the rigid plating of hull structures. V. D. Matskevich. Sudostroenie 29 no. 3:40-42 Mr '63.
Noise controlling properties of ship hull structures. I. I. Bogolepov. Sudostroenie 29 no. 4:6-9 Apr '63.
Results of the full-scale testing of the hull strength of the steamer "Leninskii Komsomol." F. V. Iakovskii, E. N. Kultashev. Blul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:27-35 '62.

HUMAN ANATOMY see Anatomy, Human

HUMAN ENGINEERING

Comparative analysis of tangible performance and control operations [with summary in English]. L. M. Vekker. Vop. psikh. 9 no. 2:17-29 Mr-Apr '63.

HUMBOLDT, ALEXANDER, FRIEDRICH VON, 1769-1859

A. Humboldt's visit to Russia in 1829. M. I. Radovskii. Izv. Vses. geog. ob-va 95 no. 1:88-91 Ja-F '63.
"Correspondence of Alexander Humboldt with Russian scientists and statesmen." Reviewed by M. I. Dlev. Priroda 52 no. 4:119-120 '63.

HUNGARY—AIRPLANES—WINGS

When metal is lighter than wood. S. Jozef. IUn. tekhn. 7 no. 4:21-24 Apr '63.

HUNGARY—DESCRIPTION AND TRAVEL

Under a lucky star. Andras Sugar. Ogonek 41 no. 14: 6-7 Mr '63.

HUNGARY—EDUCATION

Letter from Hungary. Ferenc Abent. Nar. obr. no. 4: 108 Apr '63.

HUNGARY—HISTORY

"History of the counterrevolution in Hungary, 1919-1921" [in Hungarian] by D. Nemes. Reviewed by V. I. Olag. Vop. ist. 38 no. 4:164-166 Apr '63.
Israelian, V. L., and L. N. Nezhinskii. [Most recent history of Hungary, 1918-1962] Novelskhia istoria Vengrii, 1918-1962 gg.; uchebnoe posobie, Moskva, Izd-vo IMO, 1962, 266 p.

HUNGARY—MINORITIES

Arató, Endre. [Hungarian public opinion and the nationality problem in the 1940's] Vengerskoe obshchestvennoe mnenie i natsionalnyi vopros v 40-kh godakh proshlogo veka. Budapest, Akademiai Kiado, 1960, 49 p. (Studia historica Academiae Scientiarum Hungaricae, no. 39) [With summary in French]

HUNGARY—PLANTS, PROTECTION OF

Plant protection station in Hungary. K. I. A. Kalashnikov. Zashch. rast. ot vred. i bol. 6 no. 6:55 Ja '61.

HUNGARY—RAILROADS—MANAGEMENT

Regulation of the flow of empty cars by means of linear programming and use of electronic computers. A. Fekete. Zhel. dor. transp. 45 no. 4:88-89 Apr '63.

HUNGARY—RAILROADS—PASSENGER CARS

Hungarian passenger cars made from aluminum alloys. I. Baranskii-Nob. Zhel. dor. transp. 45 no. 1:89-92 Ja '63.

HUNGARY—SPINNING MACHINERY

Problems concerning the shape and dimension of modern rings and travelers. G. Boldizsar, A. Sugar. Tekst. prom. 23 no. 4:37-43 Apr '63.

HUNGARY—TECHNICAL EDUCATION

Growing up of a worthy replacement. L. Nikolaev. IUn. tekhn. 7 no. 4:17-20 Apr '63.

HUNGARY—TEXTILE FABRICS

Experience in the processing of blends with an increased content of polyester fibers. K. Robak, K. Ramaseder. Tekst. prom. 23 no. 4:34-37 Apr '63.

HUNGARIAN LANGUAGE—ARTICLE

Enlightening views on the nature and genesis of the Hungarian article. V. I. Klepko. Vop. laz. i likh. no. 3: 80-102 '62.

HURRICANES

Anchorage of ships during hurricanes. A. I. Udovich. Mor. flot 23 no. 1:20-21 Ja '63.

HURYNOVICH, ADAM, 1869-1904

A. Hurynovich's poems in Polish. A. Mal'dzia. Belarus' 20 no. 3:29 Mr '63.

HUSBAND AND WIFE

Sometimes it happens this way. A. Pratsopaya. Rab. i stal. 39 no. 3:15-16 Mr '63.

HYDRATES

New hydrate isomers of chromic chloride [Cr(H₂O)₃Cl₃]. 3H₂O. B. K. Preobrazhenskii, O. M. Llova, Zhur. neorg. khim. 8 no. 3:771-772 Mr '63.

HYDRAULIC CONTROL

Krassov, I. M. [Hydraulic elements in automatic control systems] Gidravlicheskie elementy sistem avtomaticheskogo regulirovaniia. Moskva, Mashgiz, 1963, 160 p.

HYDRAULIC CONVEYING

Determination of the parameters for pressure hydraulic transportation of coal and rock mixtures. L. A. Mitin. Ugol' 38 no. 4:33-34 Apr '63.

Device for measuring pressure fluctuations on the walls of a pipeline during the movement of a current carrying suspended particles. M. O. Silin, I. A. Pishchenko. Visti Inst. hidrol. i hidr. AN URSS 21:84-87 '62.

Device for measuring vertical pulsation speeds in pressure pipelines during the movement of currents carrying suspended particles. M. O. Silin, I. A. Pishchenko. Visti Inst. hidrol. i hidr. AN URSS 21:88-93 '62.

Devices with ohmic pressure transducers for measuring the height of sedimentation in pipelines of hydraulic conveying systems. V. M. Kondakov. Visti Inst. hidrol. i hidr. AN URSS 21:114-118 '62.

Investigating some problems in hydraulic conveying of chips in horizontal steel pressure pipes. L. I. Kachelkin, V. V. Korobov. Trudy TSNIIME no. 37:29-54 '62.

Shivakovskii, A. O. [Automation of hydraulic conveying] Avtomatizatsiia gidravlicheskogo transporta; uchebnoe posobie. Moskva, Mosk. in-t radioelektroniki i gornoi elektromekhaniki, 1962, 51 p.

[MICROFILM]

Structure of the current and hydraulic supports in pressure pipelines during the transportation of soil in suspension. V. M. Karaayk. Visti Inst. hidrol. i hidr. AN URSS 21:98-113 '62.

HYDRAULIC ENGINEERING

(see also subdivision under Pyalozero Hydroelectric Power Station; Sheksna River)

From the pages of foreign magazines. Gidr. stroi. 33 no. 2:56-58 F '63.

From the pages of foreign periodicals. Gidr. stroi. 33 no. 4:54-57 Apr '63.

Hydromechanical earthwork and mining operations. B. M. Shkundin. Sbor. trud. MISI no. 39:335-340 '61.

Important step in the design and operation of hydraulic structure for navigation purposes. B. Dashkov. Rech. transp. 22 no. 3:34-35 Mr '63.

"Use of radioisotopes in hydraulic engineering construction" by M. P. Belikov, V. A. Emelianov, V. E. Nesterov. Reviewed by S. I. A. Vartanov. Gidr. stroi. 33 no. 2: 60 F '63.

Work of the hydraulic sections of the Central Board of the Scientific Technological Society of the Power Industry. G. O. Levit. Gidr. stroi. 33 no. 2:63 F '63.

Working rock under water. D. E. Gurevich, A. G. Volik. Transp. stroi. 13 no. 4:24-25 Apr '63.

HYDRAULIC ENGINEERING—CONGRESSES

Using precast reinforced concrete in hydraulic developments; at the seminar in the "Water management" pavilion, Exhibition of Achievements of the National Economy of the U.S.S.R., I. A. E. Vinokur, I. A. Cherkashin. Gidr. i mel. 15 no. 2:60-63, F '63.

HYDRAULIC ENGINEERING—EXHIBITIONS

Rewards to the participants of the Exhibition of Achievements of the National Economy of the U.S.S.R., for work in hydraulic engineering. N. A. Zhuravlev. Gidr. i mel. 15 no. 2:64 F '63.

HYDRAULIC ENGINES

Shvartsburd, B. I. [Dimensional chains in hydraulic engines] Razmernyye tsipi v gidromashinakh. Red. M. M. Orakhelashvili. Moskva, Mosk. energeticheskii in-t, 1962, 70 p.

[MICROFILM]

Study of the profile of the stator of a radial-piston, high-moment hydraulic motor. I. U. F. Ponomarenko. Nauch. soob. IGD 11:153-165 '61.

HYDRAULIC FLUIDS

Block-type pipe panels for hydraulic pipelines (from "Plant Engineering," no. 4, 1962, I. A. E. Vol'kovich. Prom. energ. 18 no. 1:42 Ja '63).

HYDRAULIC JUMP

Changing the length of a hydraulic jump by changing the roughness of the bottom of the current of water. M. S. Vyzo, I. U. M. Kuz'minov. Gidr. stroi. 33 no. 2:40 F '63.

HYDRAULIC MACHINERY

Study of the deviation of a flow from the blades of the gas mechanism of a hydraulic torque converter. I. A. D. Kudriavtsev. Trudy MFT no. 139:273-288 '61.

HYDRAULIC MINING

(see also subdivision under Kuznetsk Basin; Ukraine)

Comment on the article by V. E. Nelenburg, A. A. Krivchenko, and D. I. A. Prognimak "Determining the parameters of the water-power supply of hydraulic mines." R. A. Bretosh. Ugol' 38 no. 4:61 Apr '63.

Hydromechanical earthwork and mining operations. B. M. Shkundin. Sbor. trud. MISI no. 39:335-340 '61.

Practice of making development workings in dredging diamond-bearing placer deposits. S. V. Iudakov. Gidr. zhur. no. 3:27-28 Mr '63.

Transporting auxiliary materials in hydraulic mines. A. T. Krivtsov, V. S. Ievlev. Ugol' Ukr. 7 no. 4:25-27 Apr '63.

HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Temporary instructions for the design, construction, reception and operation of pipelines for hydraulic mines. V. A. Berdugin. Bezop. truda v prom. 8 no. 9:39 S '62.

HYDRAULIC MODELS

Apparatus for laboratory hydraulic modeling seismic phenomena in mine workings. M. S. Anteyev, N. F. Nikitchenko, N. G. Balakireva. Nauch. soob. IGD 11:118-125 '61.

Using hydraulic models to study open flows with distortion of the geometrical scales of the model. P. V. Teremenko, I. L. Rozovskyi. Visti Inst. hidrol. i hidr. AN URSS 21:78-87 '62.

HYDRAULIC PRESSES

Hydraulic press for manufacturing capron parts. P. V. Khutukii. Avt. prom. 20 no. 5:61 My '63.

HYDRAULIC PRESSES—CYLINDERS

Breakdown of hydraulic press cylinders. L. P. Kharchin. Kuz.-slitn. proizv. 6 no. 3:28-34 Mr '63.

HYDRAULIC STRUCTURES

Korzhavin, K. N. [Effect of ice on engineering structures] Vozdeistvie l'da na inzhenernye sooruzheniia. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1962, 202 p.

Lipovetskii, M. A. [Concrete pump and their use in hydraulic engineering construction] Betononasosy i ikh primeneniie v gidroenergeticheskoi stroitel'stve. Moskva, Gosenergoizdat, 1963, 182 p.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroizdat.

Pt. 2, Soc. B, ch. 3. [Foundations of hydraulic structures; standards for design (SNIP II-B, 3-62)] Osnovaniia gidrotekhnicheskikh sooruzhenii i normy i pravila (SNIP II-B, 3-62) 23 p.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Indices of the estimated cost and consumption of resources; structures for reclamation construction and for fish culture reclamation construction] Pokazateli smetnoi stolimosti i raskhoda resursov; sooruzheniia meliorativnogo i rybovodno-meliorativnogo stroitel'stva. Utverzhdeny Gosudarstvennym komitetom Soveta Ministrov SSSR po delam stroitel'stva 8 avgusta 1962 g. Moskva, Gosstroizdat. No. 2, 1962, 172 p.

"The underground contour of hydraulic structures" by R. R. Chugaev. Reviewed by S. V. Izbashev. Gidr. stroi. 33 no. 4:89 Apr '63.

HYDRAULIC STRUCTURES—CONGRESSES

Coordinating conference on studying, designing, construction and operation of navigation structures. V. S. Evgrashin. Gidr. stroi. 33 no. 4:58-61 Apr '63.

HYDRAULIC STRUCTURES—STANDARDS

"Marine hydraulic structures; basic principles of design." Blul. stroi. tekhn. 20 no. 4:16 Apr '63.

HYDRAULIC TURBINES

Bogomolov, V. A. [Regulation of the angle of rotation of the blades of a hydraulic turbine according to pressure conditions] Regulirovaniie ugla povorota lopastei gidroturbin po naporu. Kiev, Izd-vo Akad. nauk USSR, 1962, 65 p.

Engineering regulations for the installation of vertical-shaft hydraulic turbine-generator units. M. I. Babadshnidi. Elek. sta. 34 no. 2:89-91 F '63.

Improved method for statistical balancing of the rotor wheels of hydraulic turbines and centrifugal pumps. N. P. Polushkin. Energetik 11 no. 3:1-4 Mr '63.

HYDRAULICS

Approximate hydraulic calculation of the surfaces of the simplest dispersing bases. A. M. Tushlitskii. Nauch. trudy Tul. gor. inst. no. 3:111-118 '61.

HYDRAULICS (Continued)

Determining hydraulic elements of a flow by the empirical relation of the average speed of a current in small channels. S. Esenalev, Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 5:85-90 '62.

Effect of a lateral branch on hydraulic elements of the current in the main channel. S. Satarukov, Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 5:101-106 '62.

Evaluation of various types of "cartridge" baffles according to the erosion effects of the current beyond them. I. I. Kalanitsky, Visti Inst. hidrol. i hidr. AN URSS 21:56-66 '62.

Flow of a current against obstacles in mountain rivers. A. N. Kreshkin, Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 5:37-49 '62.

New layout for a cooling pond with an ejector pump arrangement and the use of hydraulic and thermal models to study it. I. K. Nikitin, V. G. Vasilukovich, Visti Inst. hidrol. i hidr. AN URSS 21:8-13 '62.

Two sharply distinct forms of the movement of water in stilling basins and imperfections in their hydraulic calculation. H. I. Sukhomel, Visti Inst. hidrol. i hidr. AN URSS 21:3-7 '62.

HYDRAZIDES

Dependence of antimonooxide activity of derivatives of cyanocarboxylic acid hydrazides on chemical structure [with summary in English]. E. Baumanis, V. Orinstein, Izv. AN Latv. SSR no. 2:79-84 '63.

HYDRAZINE

Possibility of the presence of hydrazine in the steam of boilers. I. U. M. Kostrikina, N. M. Kalinina, Teploenergetika 10 no. 3:17-18 Mr '63.

Vibrational Raman spectrum of gaseous tetrafluorohydrazine N_2F_4 . I. U. I. Kotov, V. M. Tatevskii, Opt. i spekt. 14 no. 3:443-444 Mr '63.

HYDRAZONES

On the coexistence of different tautomeric forms of phenyl hydrazones. R. R. Shagidullin and others, Izv. AN SSSR, Otd. khim. nauk no. 2:365-366 F '63.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 8: Polarographic study of phenyl hydrazones tautomerism. I. U. P. Kitaev, T. V. Troepol'skaya, Izv. AN SSSR, Otd. khim. nauk no. 3:454-465 Mr '63.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 8: Polarographic behavior of phenyl hydrazones, I. U. P. Kitaev, T. V. Troepol'skaya, Izv. AN SSSR, Otd. khim. nauk no. 3:465-473 Mr '63.

HYDRAZONES—ABSORPTION SPECTRA

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 10: Infrared spectra of the phenyl hydrazones of some aldehydes. R. R. Shagidullin and others, Izv. AN SSSR, Otd. khim. nauk no. 3:473-478 Mr '63.

HYDROBIOLOGY

A conference on radioisotopes in hydrobiology and the methodology of sanitary hydrobiology held at Leningrad. V. I. Zhadin, Vest. AN SSSR 33 no. 4:111-112 Ap '63.

HYDROCARBONS

Effect of a series of hydrocarbons and ultraviolet irradiation of the skin on the biochemical oxidation of linoleic acid. A. Z. Babaev, Shor. trud. Azerb. nauch.-issl. Inst. kur. i fiz. metod. lech. no. 3:26-30 '63.

Hydrogenation kinetics of polycyclic hydrocarbons. I. V. Kulechits, A. S. Nakhmanovich, Dokl. AN SSSR 148 no. 4:835-836 F '63.

On the structure of anions of aromatic hydrocarbons. I. A. K. Syrkina, V. M. Kazakova, Izv. AN SSSR, Otd. khim. nauk no. 2:362-364 F '63.

Preparation of nucleus-methylated styrenes, α -methylstyrenes, and vinylisopropenylbenzene by the heterogeneous vapor-phase alkylation and dehydrogenation of aromatic hydrocarbons in a fluidized bed of oxide catalysts. I. U. G. Mamedaliev and others, Dokl. AN Azerb. SSR 19 no. 1:13-18 '63.

HYDROCARBONS—ACOUSTIC PROPERTIES

Use of the optical method in measuring the absorption of ultrasonic waves by superheated saturated hydrocarbons. O. M. Guseva, V. F. Nozdrev, Prim. ultrazvuk, k issl. veshch. no. 16:69-82 '62.

HYDROCHLORIC ACID—EXPERIMENTS

Demonstrating the new method to prepare hydrochloric acid. G. A. Zdanichuk, V. I. Tolkunov, Khim. v shkole 18 no. 2:56-60 Mr-Apr '63.

HYDRODYNAMICS

Distribution of velocities and pressures in a liquid flow enclosed between two rotating cylinders. D. I. Bogdanov, Izv. vyz. ucheb. zav. i mat. no. 3:15-18 '63.

Emptying and filling vessels under weightlessness conditions. A. S. Povitskii, L. I. Liubin, Isk. sput. Zem. no. 15:22-37 '63.

Modern means of hydrodynamic testing. S. V. Pershin, Sudostroenie 29 no. 4:10-13 Ap '63.

The nonlinearity relation in gases and liquids. A. I. Kalachev, Akust. zhur. 9 no. 2:187-191 '63.

Swing of a physical pendulum having cavities filled with a viscous liquid. P. S. Krasnoshechekov, Prikl. mat. i mekh. 27 no. 2:193-202 Mr-Apr '63.

Waves caused by pressures exerted on the surface of a viscous liquid. L. V. Cherkasov, Vest. AN BSSR, Ser. fiz.-tekhn. nav. no. 1:42-45 '63.

HYDROELECTRIC POWER STATIONS

(see also subdivision under Krasnoyarsk; see also Bratsk Hydroelectric Power Station; Charvak Hydroelectric Power Station; Chirkey Hydroelectric Power Station; Chir-Yurt Hydroelectric Power Station; Glen Canyon Hydroelectric Power Station, United States; Golovnaya Hydroelectric Power Station; Krasnoyarsk Hydroelectric Power Station; Mamakan Hydroelectric Power Station; Novosibirsk Hydroelectric Power Station; Pyalozero Hydroelectric Power Station; Volga Hydroelectric Power Station (22d Congress of the CPSU); Volinsk Hydroelectric Power Station)

At hydraulic engineering construction projects. Gidr. stroit. 33 no. 2:50-51 F '63.

Classification of hydroelectric power stations according to types of hydraulic generator unit. B. S. Uspenskii, Gidr. stroit. 33 no. 4:48-50 Ap '63.

Conferences and brief news concerning the construction and operation of hydroelectric power stations. Gidr. stroit. 33 no. 4:47 Ap '63.

Construction of the characteristics of relative increments of hydroelectric power stations under field conditions. T. A. Filippova, Elek. sta. 34 no. 2:47-50 F '63.

Methodology for determining the economic efficiency of hydroelectric power stations. V. P. Zakharov and others, Elektricheskoe no. 3:91-93 Mr '63.

"Methods of determining the economic effectiveness of hydroelectric power stations." Reviewed by B. O. Eginjarlan, Gidr. stroit. 33 no. 4:42-44 Ap '63.

System of maximum power production in conditions of the "navigation and power" complex. P. P. Denisov, Gidr. stroit. 33 no. 2:39-40 F '63.

"Tidal electric power stations in modern power engineering" by L. B. Bernshtein. Reviewed by V. P. Zenkovich, Okeanologiya 3 no. 2:395-398 '63.

HYDROELECTRIC POWER STATIONS—COLD WEATHER CONDITIONS

see subdivision under Kirghizistan

HYDROELECTRIC POWER STATIONS—WATER SUPPLY

Calculation of the operation of a regulating hydroelectric power station. L. N. Zhigenti, I. A. Montava, Trudy Inst. energ. AN Gruz. SSR 16:55-62 '62.

HYDROFLUORIC ACID

Behavior of a membrane ion exchanger electrode in solutions of hydrofluoric acid and its salts [with summary in English]. A. V. Gordievskii, E. L. Filippov, G. I. Kupriyuk, Zhur. anal. khim. 18 no. 1:13-19 Ja '63.

Fluogermanates in the systems of the $Me_2GeF_4 - HF - H_2O$ type. I. I. Tychinskaya, N. S. Nikolayev, Zhur. neorg. khim. 8 no. 3:734-737 Mr '63.

Solubility and composition of solid phases in the system $HF - UO_3 - H_2O$. I. U. A. Buslaev, N. S. Nikolayev, I. V. Tonenav, Dokl. AN SSSR 148 no. 4:832-834 F '63.

Some possible methods of producing hydrogen fluoride. N. P. Galkin, V. A. Shubin, A. S. Krylov, Khim. prom. no. 3:100-102 Mr '63.

Structural etching with hydrofluoric acid of some minerals of the oxide and silicate classes. V. N. Sergeev, Zap. Vses. min. ob-va 92 no. 1:66-73 '63.

HYDROFOL BOATS

Development of power plants on ships with underwater wings. V. M. Koliuko, Sudostroenie 29 no. 3:22-25 Mr '63.

HYDROFOL BOATS—NOISE

Investigating noise on motorboats with underwater wings. V. I. Zinchenko, A. G. El'mik, E. I. Avieronok, Sudostroenie 29 no. 3:29-34 Mr '63.

HYDROGEN

Determination of the compressibility of methanol, carbon monoxide-hydrogen and carbon monoxide-hydrogen-methanol mixtures at high temperatures and pressures. D. B. Kazarnovskaya, I. P. Sidorov, I. A. S. Kazarnovskii, Khim. prom. no. 3:205-211 Mr '63.

Effect of the adsorption of diphenylamine on the kinetics of the catalytic evolution of hydrogen. G. A. Tedoradze, D. I. Dzheparidze, Izv. AN SSSR, Otd. khim. nauk no. 3:402-407 Mr '63.

Hydrofining of diesel fuels with an important reduction of hydrogen consumption. M. V. Rysakov and others, Khim. i tekhn. topl. i masel. 8 no. 3:7-11 Mr '63.

Reversibility of the polarographic catalytic waves of hydrogen in pyridine solutions. G. A. Tedoradze, S. G. Matranovskii, Izv. AN SSSR, Otd. khim. nauk no. 3:577 Mr '63.

HYDROGEN—SPECTRA

Energy emitted by equilibrium plasma in spectral lines. L. M. Biberman, V. S. Vorob'ev, G. E. Norman, Opt. i spekt. 14 no. 3:330-335 Mr '63.

HYDROGEN-ION CONCENTRATION—MEASUREMENT

Scale of pH for aqueous solutions. B. I. Rabinovich, Standartizatsiya 27 no. 4:46-47 Ap '63.

HYDROGEN PEROXIDE

Interaction of vaporous hydrogen peroxide with alkaline and alkaline earth metal hydroxides. A. Kh. Mel'nikov, T. P. Firsova, Zhur. neorg. khim. 8 no. 3:580-582 Mr '63.

Kinetics of oxidation of iodine ions by hydrogen peroxide in the presence of nickel compounds. K. B. Batismirskii, V. I. Skuratov, Zhur. neorg. khim. 8 no. 3:573-577 Mr '63.

Reaction of titanium with hydrogen peroxide and oxalic acid. L. I. Dubovenko, E. I. Gerasenko, Ukr. khim. zhur. 29 no. 3:255-259 '63.

HYDROGENATION

Conversions of 1-methyl-2- α -furylcyclopropane and 1-cyclopropyl-2- α -furylcyclopropane under catalytic hydrogenation conditions. N. I. Shuklin and others, Izv. AN SSSR, Otd. khim. nauk no. 3:521-524 Mr '63.

Hydrogenation kinetics of polycyclic hydrocarbons. I. V. Kulechits, A. S. Nakhmanovich, Dokl. AN SSSR 148 no. 4:835-838 F '63.

Hydrogenation of 2-methyl-5-acetylurea on skeletal catalysts. N. I. Shuklin, G. K. Vasilevskaya, I. F. Bel'skii, Izv. AN SSSR, Otd. khim. nauk no. 3:525-528 Mr '63.

Perchenko, V. N., and S. R. Sergienko. [Selective catalytic hydrogenation of sulfur-organic compounds] Izbratel'noe kataliticheskoe gidrirovanie seryorganicheskikh soedinenii, Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1962, 51 p.

HYDROGRAPHIC SURVEYING

see also subdivision under Dnepro; Finland; Gulf of

Vologda Province

HYDROLOGY

see subdivision under Riga; Gulf of;

Vologda Province

HYDROLYSIS

Dehydration of carnallite in a flow of hot gases containing chlorine hydrogen and water vapor. E. I. Savinkova, T. F. Sukhova, I. I. Posinkova, TSvet. met. 36 no. 4:81-85 Ap '63.

Hydrolysis of esters of cyanuric acid and some of its derivatives. V. I. Mur, Zh. A. Gorbunova, A. I. Korolev, Zhur. VKHO 8 no. 2:235 '63.

Hydrolysis of 1, 1, 1-trihaloalkanes and 1, 1-dihalo-1-alkene by water at 250-330°C. Sh. A. Karapetian, N. V. Kruglova, R. Kh. Freidina, Izv. AN SSSR, Otd. khim. nauk no. 2:307-311 F '63.

Kinetics and hydrolysis mechanism of carboxylic dichlorides. Report No. 1: Reaction rate as dependent on the polarity of the medium. S. G. Entelis and others, Izv. AN SSSR, Otd. khim. nauk no. 2:245-252 F '63.

Kinetics and mechanism of the hydrolysis of carboxylic acid dichlorides. Report No. 2: Temperature dependence of the reaction rate, and the relation of activation energy and entropy to the polarity of the medium. S. G. Entelis and others, Izv. AN SSSR, Otd. khim. nauk no. 3:429-436 Mr '63.

Study of the mechanism of hydrolysis of esters. V. I. Mur, Zh. A. Gorbunova, A. I. Korolev, Zhur. VKHO 8 no. 2:232 '63.

HYDROMAGNETIC WAVES

see Magnetohydrodynamics

HYDROPEROXIDES

Sodium metasilicate hydroperoxide hydrates. I. I. Vol'nov, A. N. Shatunina, Izv. AN SSSR, Otd. khim. nauk no. 2:201-205 F '63.

HYDROPLANES

Technological news. A. Presniakov, B. Gusev, A. Blokhin, Kul't. i zhizn' 6 no. 11:41-42 '62.

HYDROSTATICS

Temperature effect on the height of liquid levels in capillary tubes subjected to high-frequency vibration [with summary in English]. E. G. Kononov, I. N. Germanovich, Inst. -fiz. zhur. 6 no. 3:103-105 Mr '63.

HYDROTHERAPY

see subdivision under Isthau

HYDROXY COMPOUNDS

Interaction of cellulose with some hydroxyl-containing compounds studied by infrared spectroscopy. I. U. Putiev and others, Uzb. khim. zhur. 7 no. 1:26-33 '63.

HYDROXYLAMINE

Structure and transformations of the condensation products of N-(1-hydroxylimino)-1, 2, 3, 4-tetrahydro-naphthyl-2)-hydroxylamine with aldehydes. V. A. Koptug, L. B. Volodarskii, Zhur. VKHO 8 no. 1:112-113 '63.

HYGIENE, RURAL

see Public health, Rural

HYGROSCOPICITY

Decrease of the water absorption of capron parts. O. A. Gunder, A. N. Lysykh, Plast. massy no. 4:70-72 '63.

HYMENOMYCETES

Anatomic criterion in the taxonomy of Aphyllophorales [with summary in English]. M. A. Bondartseva, Bot. zhur. 48 no. 3:362-372 Mr '63.

HYMENOPTERA, FOSSIL

see subdivision under Kara-Tau

- HYPERBOLA**
Modification of the method of tangent hyperbolas. R. A. Shafigev. Dokl. AN Azerb. SSSR 19 no. 1:3-8 '63.
- HYPERTENSION**
Atherosclerotic cardiosclerosis without hypertension and with it. T. A. Zaikina. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:39-44 '61.
Capillaroscopic studies in the cerebral form of hypertension. G. M. Isa-Zade. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:108-116 '59.
Changes in the bioelectric activity of the brain in hypertension patients under the influence of a single treatment of inhaling light aerosols. G. G. Efremushkin. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:168-174 '62.
Changes of the fundus oculi in hypertension during adolescence. L. S. Baizerakova. Trudy MONIKI no. 5: 103-106 '62.
Characteristics of the clinical course of hypertension in young people. L. E. Remmer. Trudy MONIKI no. 5: 94-102 '62.
Characteristics of vascular reactions in hypertensives. A. P. Pressman. Trudy MONIKI no. 5:107-114 '62.
Clinical significance of the rate of pulse wave spreading. S. M. Markuze. Kaz. med. zhur. no. 5:18-20 S-O '62.
Conference on the epidemiology of hypertension and coronary insufficiency. Kardiologiya 2 no. 3:93-95 My-Je '62.
Dynamics of ballistocardiographic data under the influence of oxygen treatment in patients with hypertension and stenocardia. Sov. med. 26 no. 1:23-28 Ja '63.
Effect of a single treatment with negative aerosols on vascular reactivity in hypertension. G. G. Efremushkin. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:185-192 '62.
Effect of artificially ionized air together with other health resort factors of the Turkestan Sanatorium on the electric activity of the brain in hypertension patients. G. G. Efremushkin. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:161-167 '62.
Experience in detecting hypertensives. L. A. Kniazeva and others. Trudy MONIKI no. 5:88-93 '62.
Hypertension. A. Goldberg. Belarus' 20 no. 3:27 Mr '63.
Hypertension and atherosclerosis. L. P. Pressman. Trudy MONIKI no. 5:220-224 '62.
Hypertension in young people. L. P. Pressman. Trudy MONIKI no. 5:84-87 '62.
Hypertrophy of the heart in cardiosclerosis caused by chronic coronary insufficiency [with summary in English]. A. A. Liubushin. Kardiologiya 2 no. 3:25-30 My-Je '62.
Infarcts of the spleen in hypertension. L. N. Tsar'kova, V. A. Odinkova. Trudy MONIKI no. 5:215-219 '62.
Late results of treatment of hypertension patients with auditory and vestibular disorders by means of sulfide water inhalations. A. A. Kravchenko. Trudy MONIKI no. 5:160-175 '62.
Mechanism of the formation of hypertension crises. A. P. Pressman. Trudy MONIKI no. 5:207-214 '62.
Some characteristics of cerebral disorders in hypertension. G. D. Leshchenko, Z. I. Svetnik. Sov. med. 26 no. 1:28-30 Ja '63.
Some facts concerning the course of hypertension according to polyclinic data. A. G. Markelova. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:53-59 '61.
State of the auditory analyzer in hypertension patients treated by inhalation of natural sulfide water. A. A. Kravchenko. Trudy MONIKI no. 5:177-208 '62.
Treatment of hypertension by means of Rauwolfia serpentina preparations in polyclinics. T. A. Zaikina. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:45-52 '61.
Use of physical therapy for hypertonic patients in a polyclinic. I. I. Berkutskaya. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:94-104 '61.
Vestibulometry and oxymetry in hypertensives. A. A. Kravchenko, B. I. Mironov, V. I. Balashov. Trudy MONIKI no. 5:115-131 '62.
- HYPOCOLUS** see subdivision under Turkmenistan
- HYPOTENSION**
Hypotonia. V. E. Levi. Med. sestra 21 no. 11:52-55 N '62.
- HYPOTHALAMUS**
Effect of hypothalamic stimulation on the motor activity of the large intestine. N. M. Vorobiova. Vysnyk Kyiv. un. no. 3. Ser. biol. no. 1:163-167 '60.
- HYPOTHERMIA**
Effect of cranio-cerebral hypothermia on the change in the electrocardiogram during intensified monopolar derivation from limbs. A. M. Malygin. Nauch. dokl. vys. shkoly; biol. nauki no. 2:77-82 '63.
State of physiological functions in cranio-cerebral hypothermia under experimental and clinical conditions. L. I. Murskii. Nauch. dokl. vys. shkoly; biol. nauki no. 2:72-76 '63.
- HYSTERESIS**
Effect of the structure of the space lattice on the hysteresis losses in rubber. A. V. Kustova. Prim. ul'trakust. k liss. veshch. no. 16:3-11 '62.
- Theory of polarization and hysteresis of ferroelectric substances. A. V. Turik. Fiz. tver. tela 5 no. 4:1213-1215 Ap '63.
- HYSTERESIS LOOP**
Effect of the phase constitution on the magnetic properties of magnesium-manganese ferrites with a rectangular hysteresis loop. V. N. Bogoslavskii and others. Fiz. met. i metalloved. 15 no. 2:161-166 F '63.
- IAGUDAIEV, MOISEI DAVIDOVICH, 1902-1963**
In memory of Moisei Davidovich Iagudnev; obituary. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 7 no. 1:84 '63.
- IAROSLAVSKI, EMEL'IAN MIKHAILOVICH, 1878-1943**
Emel'ian Iaroslavskii's legacy. V. Cherniavskii. Nauka i rel. 4 no. 2:39-43 F '63.
- IAZYKOV, DMITRII KSENOFONTOVICH, 1898-1962**
In memoriam of Dmitrii Ksenofontovich Iazykov. Ortop., travm. i protez. 23 no. 11:94 N '62.
- IBRAYEVO (BASHKIRIA)—COMMUNIST YOUTH LEAGUE**
I know that I am desperately needed in the steppe. S. Ilicheva. Mol. komm. no. 11:97-104 N '62.
- ICE**
(see also subdivision under Antarctic regions)
Checking the formation of ice inside aqueducts. M. P. Suslov. Vod. i san. tekhn. no. 4:5-8 Ap '63.
- ICE—ELASTIC PROPERTIES**
Wave oscillations of the ice cover. L. N. Bellakov. Priroda 52 no. 3:115 '63.
- ICE AGE** see also subdivision 'Glacial epoch' under Czechoslovakia; Europe, Western; Fennoscandia
- ICE-BREAKING VESSELS**
Makarov's project of an icebreaker for an Antarctic expedition. D. M. Pinkhenson. Inform. biul. Sov. antark. eksp. no. 36:41-44 '62.
Marine electric power station of a line icebreaker with a self-excitation system. A. B. Khatkin, V. A. Chirkov. Sudostroenie 28 no. 4:35-39 Ap '63.
- ICE CAVES** see subdivision under Zeravshan Range
- ICE FISHING**
At the spring ice holes. IUn. nat. no. 3:40 Mr '63.
Birthday of spring. G. Skrebtshkii. IUn. nat. no. 3: 29-31 Mr '63.
- ICE ON RIVERS, LAKES, ETC.**
Ice pressure on structures with inclined icebreakers. D. F. Panfilov. Izv. vys. ucheb. zav. stroit. i arkh. no. 3:85-94 '63.
Korzhavin, K. N. [Effect of ice on engineering structures] Vozdelstvie l'da na inzhenernye sooruzhenia. Novosibirsk, Izd-vo Sibirskogo otd-nia AN SSSR, 1962, 202 p.
Methods of calculating the carrying capacity of ice. D. F. Panfilov. Gidr. stroit. 33 no. 4:39-42 Ap '63.
- ICEBERGS** see subdivision under Antarctic regions
- ICONS**
(see also subdivision under Novgorod)
Expeditions conducted in 1950-1960 for collecting objects of early Russian art. A. Kostova. Soob. Gos. Ermit. no. 23:68-70 '62.
- IDEALISM**
"Gnosiological roots of idealism" by P. P. Cherkashin. Reviewed by G. A. Svechnikov. Vop. filos. 17 no. 4: 161-162 '63.
- IGNEOUS ROCKS** see Rocks, Igneous
- IKONS** see Icons
- IL'F, IL'IA ARNOLD'OVICH, 1897-1937**
"Case No. 2," on the creative history of the work "Golden calf." Lidia Ianovskaya. Vop. lit. 7 no. 2:176-191 F '63.
- IL'ICHEVSK—LOADING AND UNLOADING**
Loading and unloading rubber in the Il'ichevsk harbor. D. Takersman, M. Rashkovetskii. Mor. flot 23 no. 1: 11-12 Ja '63.
- ILLEGITIMACY**
We should help such people to examine their conscience. Sov. deput. trud. no. 4:87 Ap '63.
- ILLITERACY—CONGRESSES**
At the World Congress to Eliminate Illiteracy. G. Serdiuchenko. Sov. pedagog. 27 no. 1:156-159 Ja '63.
- IL'MEN MOUNTAIN REGION—LARCH**
Interrelation between pine and larch in the region of the Il'men Mountains, Southern Ural. I. A. Gustoov. Trudy Ural. lesotekh. inst. no. 17:101 '60.
- IL'MEN MOUNTAIN REGION—PINE**
Interrelation between pine and larch in the region of the Il'men Mountains, Southern Ural. I. A. Gustoov. Trudy Ural. lesotekh. inst. no. 17:101 '60.
- ILMENTE**
Ilmenite concentrates for the production of titanium dioxide by the sulfuric acid method. M. L. Borodina and others. Lakokras. mat. i kh. prim. no. 2:22-25 '63.
- ILMENORUTILE** see subdivision under Kola Peninsula
- IMANDRA, LAKE**
Lake Imandra. S. G. Oradovskii. Priroda 52 no. 3: 63-66 '63.
- IMMUNITY**
Changes in the organs of experimental animals caused by the introduction of β -hemolytic streptococci and homologous homogenate of a connective tissue. Summary in English. L. V. Boletskaya. I. M. I. Vop. revm. 1 no. 3:25-31 Ji-S '61.
Kokushina, T. M. [Antibiotics and immunity] Antibiot. i immunitet. Leningrad, Medgiz, 1963, 111 p. (DNLM)
Pathomorphological changes in the heart of rabbits immunized with homologous thymus in conjunction with killed streptococci [with summary in English]. A. S. Kaplanaki, G. V. Orlovskaya, A. A. Ilyashenko. Vop. revm. 1 no. 2:3-9 Ap-Je '61.
Petrov, R. V. [Immunology and aphasia of the 20th century] Immunologiya i afaziya XX veka. Moskva, Izd-vo "Znanie," 1963, 47 p. (Novosobraznaya tekhnika. VII Seriya: Biologiya, no. 6)
- IMMUNOLOGY—CONGRESSES**
Vsesoyuznaya konferentsiya patofiziologov. 23. Seriya: lovs. [Problems of Immunopathology] Voprosy immunopatologii; trudy. Moskva, Medgiz, 1963, 317 p. (DNLM)
- IMPACT**
Depth of perforation due to the impact of meteoric particles. E. I. Andriankin, I. S. Stepanov. Tekhn. Zem. no. 15:44-52 '63.
- IMPEDANCE (ELECTRICITY)**
Experimental study of surface impedance in the range 1.5 to 10 Mc. V. M. Ryukov, V. S. Andreev. Fiz. i dif. i rasp. voln. 2:212-218 '62.
- IMPERIALISM**
Akademiya obshchestvennykh nauk, Moscow, [Economic problems of modern imperialism] Ekonomicheskie problemy sovremenogo imperiializma. Petroz. S. L. Vygodnogo i dr. Moskva, VISH pri TsK KPSS, 1963, 217 p.
- INCENTIVES IN INDUSTRY**
Improve the system of bonus payments to engineers and technicians. K. Denisov, I. Elinov. Mirovaia SSSR 34 no. 1:47-50 '63.
"V. I. Lenin on material and moral incentives for work" by M. N. Lapin. Reviewed by V. N. Babakov. Vop. filos. 17 no. 4:142-144 '63.
"V. I. Lenin on material and moral incentives for work" by M. N. Lapin. Reviewed by A. Polynin. Sov. med. 26 no. 4:156-159 Ap '63.
- INCLINOMETER**
Two inclinometers for measuring the effect of gravity. V. V. Radzilevskii. Biul. VAGG no. 31:1-14 '62.
- INCUBATION**
Studying the hatching temperature of the hatched embryos the help of a semiconductor transducer. M. B. Orlov. Ornithologiya no. 4:360-363 '62.
- INDEPENDENT LABOR PARTY** see subdivision under Great Britain
- INDEX NUMBERS (ECONOMICS)**
Tuchina, V. S., and I. G. Chupshaya. [Merchant and freight indices] Torgovye sudokhodnye i frachtovye indeksy. Moskva, Izd-vo "Morskoi transport," 1963, 221 p. (Ekonomika i ekspluatatsia morskogo transporta)
Using the index method in analyzing labor productivity in vegetable growing. D. N. Pis'mennaya, I. I. Tskina. no. 88:199-206 '61.
- INDIA—CAPITALISM**
Lukovskii, A. I. [Characteristics of the development of capitalism in India] Osobennosti razvitiia kapitalizma v Indii. Moskva, Izd-vo vostochnoi liter., 1963, 588 p.
- INDIA—COOPERATIVE SOCIETIES**
Cooperative societies in India. V. Chitt. Sov. pedagog. 27 no. 2:45-48 F '63.
- INDIA—CROCODILES**
Great and interesting world [translated from the Hindi] Raghuvarasingkh. IUn. nat. no. 3:20-21 Mr '63.
- INDIA—ECONOMIC POLICY**
Pavlov, V. I. [Imperialism and the economic independence of India] Imperiializm i ekonomicheskaya nezavisimost' Indii. Moskva, Izd-vo vostochnoi liter., 1962, 229 p.
- INDIA—FOREIGN ECONOMIC RELATIONS**
Pavlov, V. I. [Imperialism and the economic independence of India] Imperiializm i ekonomicheskaya nezavisimost' Indii. Moskva, Izd-vo vostochnoi liter., 1962, 229 p.
- INDIA—PANTHERS**
Great and interesting world [translated from the Hindi] Raghuvarasingkh. IUn. nat. no. 3:20-21 Mr '63.

INDIA—POLITICS AND GOVERNMENT

"The Islamic Group of India" is a tool of reaction. A. Akhmedzhanov. *Az. i Afr. seg.* no. 4:22-23 Ap '63.

INDIA—VIEWS

Gerasimov, A. M. [Sketches made during a trip through India] *Putevye etudy po Indii*. Moskva, Sovetskii khudozhnik, 1965, 6 p., 48 plates. (MI)

INDIA INK

Selection of India ink and paints for sketching on plastic sheets. P. I. Kopylov. [Trudy] VNIMI no. 49:332-342 '62.

INDIAN OCEAN—FISHERIES

They head for the ocean. Semen Makarov. *Ukraina* no. 7:20-21 Ap '63.

INDIAN OCEAN—MAGNETISM, TERRESTRIAL—SECULAR VARIATION

Depth of the sources of secular variations in the magnetic field in the oceans. M. M. Ivanov. *Geomag. i aer.* 3 no. 1:140-144 Ja-F '63.

INDIAN OCEAN—OCEAN BOTTOM

Some problems of the structure of the bottom of the Atlantic and Indian Oceans based on magnetic data. M. M. Ivanov. *Geomag. i aer.* 3 no. 1:127-139 Ja-F '63.

INDIAN PIPE (BOTANY)

Development of the ovule and female gametophyte in *Pyroleae* and *Monotropaeae*. E. S. Terekhin. *Bot. zhur.* 48 no. 3:408-414 Mr '63.

INDICATOR PLANTS see subdivision under Rostov Province

INDIGIRKA VALLEY—GOLD ORES

Structure of the ore zone and the mineralization of the Zhdanovye gold deposit. S. I. Gavrikov, V. P. Zharova, Zap. Vses. min. ob-va 92 no. 1:26-32 '63.

INDIGIRKA VALLEY—ORE DEPOSITS

Structure of the ore zone and the mineralization of the Zhdanovye gold deposit. S. I. Gavrikov, V. P. Zharova, Zap. Vses. min. ob-va 92 no. 1:26-32 '63.

INDIUM

Indium and gallium interaction during the crystallization of germanium from melts containing these elements. V. S. Zernikov, A. D. Belata, T. E. Puris. *Fiz. tver. tela* 5 no. 4:1100-1103 Ap '63.

Investigation of the countercurrent coprecipitation of indium with sparingly soluble compounds of heavy metals. N. S. Fortunatov, L. E. Slobozov. *Ukr. khim. zhur.* 29 no. 3:330-342 '63.

INDIUM—ANALYSIS

Use of cinnamic acid in analytical chemistry. Report 3: Separation of indium and gallium from manganese, nickel, cobalt, and zinc [with summary in English]. E. A. Ostroumov, I. I. Volkov. *Zhur. anal. khim.* 18 no. 1:52-57 Ja '63.

INDIUM—THERMAL PROPERTIES

Thermal conductivity of indium. N. M. Roizin, N. S. Mostovitskii, R. K. Strod. *Fiz. tver. tela* 5 no. 4:1216 Ap '63.

INDIUM ANTIMONIDE

Distribution coefficient of zinc in indium antimonide. E. V. Skudnova, M. S. Mirkalovskaya, R. Annamamedov. *Zhur. neorg. khim.* 8 no. 3:695-698 Mr '63.

Study of cadmium diffusion in indium antimonide by the method of layer-by-layer autoradiography. B. I. Boltaks, V. I. Sokolov. *Fiz. tver. tela* 5 no. 4:1077-1081 Ap '63.

INDIUM ARSENIDE CRYSTALS

X-ray diffraction study of some compounds of the type A_3B_5 with stoichiometric deviations. G. V. Ozolin'sh and others. *Kristallografiya* 7 no. 8:850-853 N-D '62.

INDIUM COMPOUNDS

Complex formation of indium with some complexons studied by the ion exchange method. D. I. Rjabchikov, I. N. Marov, I. A. Ke-min' [Yao K'o-min]. *Zhur. neorg. khim.* 8 no. 3:841-850 Mr '63.

Compounds of indium with glycolic acid. A. P. Kachetkova, V. G. Tronev, O. N. Giliarov. *Zhur. neorg. khim.* 8 no. 3:772-774 Mr '63.

Width of the forbidden zone in the compound $In_2As_2S_3$ as dependent on its composition. O. B. Dubrovskii. *Fiz. tver. tela* 5 no. 3:954-955 Mr '63.

INDOLIZINE

Catalytic synthesis of 7-azaoctahydropyrrocolines. A. A. Ponomarev, I. M. Skvortsov. *Dokl. AN SSSR* 148 no. 4:860-862 F '63.

INDONESIA—DESCRIPTION AND TRAVEL

In friendly Indonesia. Z. Essenbaev. *Sov. pech.* no. 4: 54-57 Ap '63.

INDONESIA—FOREIGN ECONOMIC RELATIONS—NETHERLANDS

Andreev, M. A. [Liquidation of the economic positions of Dutch imperialism in Indonesia] *Likvidatsiia ekonomicheskikh pozitsii gollandskogo imperializma v Indonezii*. Moskva, Sotssekgiz, 1962, 193 p.

INDONESIA—POLITICS AND GOVERNMENT

Present-day stage of the struggle of the Indonesian people. R. Urzaev. *Polit. samobr.* 7 no. 3:71-75 Mr '63.

We go ahead with Lenin. N. Mitrofanov. *Az. i Afr. seg.* no. 4:3-4 Ap '63.

INDONESIA—POSTAGE STAMPS

Indonesian dances. O. Morozov. *Az. i Afr. seg.* no. 4: 84 Ap '63.

INDONESIAN POETRY—TRANSLATIONS INTO RUSSIAN

Nevermann, Hans. [The voice of the water buffalo; Malaya (Indonesian) folk songs. Translated from the German] *Golos bulvola; malakale (Indonezijskie) narodnye pesni*. Moskva, Izd-vo Vostochnoi lit-ry, 1961, 309 p. (NIC)

INDUCTION COILS

ITK-4 device for measuring the temperature coefficient of induction. Prib. i tekhn. eksp. 8 no. 2:184 Mr-Apr '63.

INDUCTION HEATING

Pipe bending with induction heating. I. N. Al'bov. *Kuz. - stam. proizv.* 5 no. 4:44-46 Ap '63.

INDUSTRIAL ACCIDENTS

Zlobinskii, B. M. [Safety engineering] *Tekhnika bezopasnosti*. Moskva, Mashgiz, 1963, 185 p.

INDUSTRIAL ARBITRATION see Arbitration, Industrial

INDUSTRIAL CAPACITY see subdivision under Uzbekistan

INDUSTRIAL COSTS see Costs, Industrial

INDUSTRIAL DESIGN see Design, Industrial

INDUSTRIAL DISCIPLINE see Labor discipline

INDUSTRIAL EFFICIENCY see Efficiency, Industrial

INDUSTRIAL ELECTRIC TRUCKS

Connecting of industrial electric trucks directly to the electric power distribution network. N. F. Karnaukh. *Prom. energ.* 18 no. 1:28-27 Ja '63.

Supply of 380 v a. c. power to industrial electric trucks. M. S. Gaman. *Prom. energ.* 18 no. 1:29 Ja '63.

INDUSTRIAL EQUIPMENT

There is a need for control over the use of funds for acquiring equipment. M. Krasnikov. *Fin. SSSR* 37 no. 4:68-70 Ap '63.

INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

Analyzing industrial enterprise reports on capital repairs of fixed assets. S. Chernikov. *Don. i kred.* 21 no. 4: 62-72 Ap '63.

Murzina, I. K. [Metal substitutes for repairing equipment] *Zamena metallov pri remonte oborudovaniia*. Moskva, Mashgiz, 1963, 73 p.

INDUSTRIAL EQUIPMENT—STANDARDS

Scientific analysis method is a basis for the standardization of technological equipment. P. G. Shishakov. *Standartizatsiia* 27 no. 4:23-27 Ap '63.

INDUSTRIAL HYGIENE

(see also subdivision under Gur'yev; Irkutsk Province; Leningrad Province; Volgograd Province)

Akademika meditsinskikh nauk SSSR. Institut gigeny truda i profzabolevani. [Physiology of heat exchange and the hygiene of an industrial microclimate] Fiziologiia teploobmena i gigena promyshlennogo mikroklimata. Moskva, 1961, 385 p. [MICROFILM]

Carrying out Lenin's precepts. A. Omarov. *Okhr. truda i sots. strakh.* no. 4:4-5 Ap '63.

Causes of angina in the industrial establishments of L'vov. I. I. Gitis. *Vrsch. delo* no. 3:107-110 Mr '63.

Committee and public inspectors of social insurance at a plant. *Okhr. truda i sots. strakh.* 6 no. 3:23-24 Mr '63.

Conveyor, working ability and health. *Okhr. truda i sots. strakh.* 6 no. 3:28-31 Mr '63.

Editor's mail. I. Krechetova and others. *Okhr. truda i sots. strakh.* 6 no. 3:22 Mr '63.

Follow-up on our articles. *Okhr. truda i sots. strakh.* 6 no. 3:27-28 Mr '63.

Great concern. A. Novikova. *Okhr. truda i sots. strakh.* 6 no. 3:1-3 Mr '63.

Group conference on labor protection. *Prom. Arm.* 6 no. 1:72-73 Ja '63.

New technology and labor safety requirements. N. D. Lezhnev. *Zhel. dor. transp.* 45 no. 1:46-49 Ja '63.

Pension certificate is not an old-age diploma. V. Kudriavtsev. *Okhr. truda i sots. strakh.* no. 4:15 Ap '63.

Problem of national significance. *Okhr. truda i sots. strakh.* 6 no. 3:4-5 Mr '63.

INDUSTRIAL HYGIENE—PERIODICALS

Let's be more aggressive in penetrating life. *Okhr. truda i sots. strakh.* no. 4:44 Ap '63.

INDUSTRIAL MANAGEMENT

(see also subdivision under Baranovich; Donetsk Province; Europe, Eastern; Kohla-Jarve; Latvia; Leningrad; Moscow; Tatar A. S. S. R.; Ukraine; United States; Uzbekistan)

"Economics of industrial enterprises." Book review 15/6. *Polit. samobr.* 7 no. 3:125-126 Mr '63.

Enterprises need the departments of labor organization and wages. *Sots. trud* 8 no. 4:42-47 Ap '63.

From the editor's mail. *Sots. trud.* 8 no. 4:121-126 Ap '63.

How Soviet workers control the work of their industrial enterprises. P. Vypritskii. *Komm. Ukr.* 38 no. 4: 51-57 Ap '63.

Improving further economic and control work is the main thing. I. Fadeev. *Fin. SSSR* 37 no. 4:3-14 Ap '63.

Increase the output and plan ahead the volume of production of the light industry. *Leh. prom.* no. 1:3-4 Ja-Mr '63.

Methods for analyzing the report of an industrial enterprise. *Fin. SSSR* 37 no. 3:77-82 Mr '63.

On the basis of volunteer participation. I. G. Kartashev. *Tekst. prom.* 23 no. 3:23-26 Mr '63.

Organizational work in business enterprises. *Sov. deput. trud.* no. 4:54-56 Ap '63.

[Participation of Soviet trade unions in economic development] *Uchnatsie sovetov v promyshlennom stroitel'stve*. [Moskva] Profizdat, 1962, 143 p.

Planning in industrial enterprises. A. Taranovskii. *Nar. khoz. Uzb.* 4 no. 1:59-62 Ja '63.

Practice of the first Soviet companies. S. Avakian. *Prom. Arm.* 6 no. 1:44-48 Ja '63.

"Principles of the economic analysis of the work of enterprises" by M. Rubinov. Reviewed by N. Panfilov, E. Smirnova, L. Khvedchenia. *Fin. SSSR* 37 no. 4:93-94 Ap '63.

Progress is achieved by a close link between science and production. M. I. Belov, S. I. Leikin. *Tekst. prom.* 23 no. 3:26-29 Mr '63.

Results of the discussion of F. Shitser's article "Provide the meat industry with permanent workers." *Mias. ind. SSSR* 34 no. 1:50-51 '63.

Several problems of material incentives. N. Garetovskii. *Fin. SSSR* 37 no. 3:8-15 Mr '63.

Supervisor and the education of workers. G. Ukhov. *Kommunist* 40 no. 8:82-88 Ap '63.

Yield of production funds and enterprise profit. L. Vaag, S. Zakharov. *Vop. ekon.* no. 4:88-100 Ap '63.

Zagorul'kin, V. A., P. A. Men'ko, and D. F. Perepelkin. [Permanent production councils] *Posloinno deistvuushchie proizvodstvennye soveshchaniia*, 2., perer. izd. [Moskva] Profizdat, 1961, 63 p. [Biblioteka profsoiuznogo aktivista, no. 3]

INDUSTRIAL MANAGEMENT—CONGRESSES

Problems of work and material incentives at a conference of economic scholars. B. Edin. *Sots. trud* 8 no. 4:140-143 Ap '63.

INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

Master the art of management. *NTO* 5 no. 3:53-55 Mr '63.

Studying the applied economics and the management of industrial enterprises. I. Derevianko. *Komm. Ukr.* 38 no. 4:80-81 Ap '63.

INDUSTRIAL ORGANIZATION

(see also subdivision under Leningrad Economic region; Leningrad Province; Lvov Economic region; Soviet Central Asia; Ukraine)

Carrying out Lenin's precepts. A. Omarov. *Okhr. truda i sots. strakh.* no. 4:4-5 Ap '63.

The first steps of production combines. V. I. Draluk. *Khleb. i kond. prom.* 7 no. 4:13-14 Ap '63.

How a firm should be organized. I. Shifrin. *Sots. trud.* 8 no. 4:75-78 Ap '63.

Moscow. *Akademika obshchestvennykh nauk*. [Party organization in the effort to develop industry during the years of the seven-year plan] *Partiinye organizatsii v bor'be za pod'em promyshlennosti v gody semiletki*. Moskva, Izd-vo VPSi i AON pri TsK KPSS, 1963, 363 p.

Powerful source of our progress. *Blok. agit. [Gruz.]* 19 no. 23:1-5 D '62.

INDUSTRIAL PAINTING see Painting, Industrial

INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION (see also subdivision under Uzbekistan)

Bogushevich, E. N. [Work of the preparatory period and erection of the underground part of buildings in industrial construction] *Raboty podgotovitel'nogo perioda i vozvedenie podzemnoi chasti zdaniy v promyshlennom stroitel'stve*. Moskva, Gosstroizdat, 1963, 173 p.

Khaikin, Kh. M. [Technical and economic justification in the construction of enterprises of the forest and wood-using industries] *Tekhniko-ekonomicheskoe obosnovanie stroitel'stva predpriatii lesnoi fabrichno-zavodskoi promyshlennosti*. Moskva, Goslesbumizdat, 1962, 98 p.

INDUSTRIAL PLANTS — DESIGN AND CONSTRUCTION (Continued)

The use of models in the design of industrial enterprises. IU, Lebedev, Arkhit, SSSR no. 4:23-32 '63.
Well organized production is the most important element of work organization. N. Izvol'skaya, N. Trusikhin. Sois. trud 8 no. 4:48-55 Ap '63.

INDUSTRIAL PLANTS—LIGHTING

Equipment for servicing electric light fixtures in the shops of industrial enterprises. G. B. Dvoirin. Svetotekhnika 9 no. 3:28-29 Mr '63.

INDUSTRIAL POWER TRUCKS

Kononov, V. S., and S. A. Stefanenko. [Mechanization and automation of intrafactory transportation in machinery plants] Mekhanizatsiya i avtomatizatsiya vnutrizavodskogo transporta mashinostroitel'nykh zavodov. Moskva, TSINTIMASH 1961. 68 p.

Voeyoda, D. K., and M. M. Pomerantsev. [Holt trucks, their performance at lower timber landings and timber transshipment bases] Avtogruzchiki, ikh rabota na nizhnikh lesnykh skladakh i lesoperevalochnykh bazakh. Moskva, Goslesbumizdat, 1962. 53 p.

INDUSTRIAL PROCUREMENT

(see also subdivision under Uzbekistan)

It is advantageous to accept beef cattle from suppliers without deductions from live weight. I. Ovsil, Mias. ind. SSSR 33 [i.e. 34] no. 2:43-44 '63.

INDUSTRIAL PSYCHOLOGY see Psychology, Industrial

INDUSTRIAL RAILROADS see Railroads, Industrial

INDUSTRIAL SAFETY

Activity of the section for industrial safety of the Central Administration of the D. I. Mendeleev All-Union Chemical Society. E. M. Spektor, B. L. Kaner, Zhur. VGO 8 no. 1:10-11 '63.

Consultation. Bezop. truda v prom. 6 no. 8:36-37 Ag '62.

Consultation. Bezop. truda v prom. 6 no. 9:34 S '62.
Consultation. Bezop. truda v prom. 7 no. 4:35-36 Ap '63.

In the State Mine Inspection of the R. S. F. S. R. Bezop. truda v prom. 6 no. 8:39 Ag '62.
Power of voluntary control. V. B. Kodatskiy. Bezop. truda v prom. 7 no. 4:18 Ap '63.

Problems of safety engineering at the Third Congress of the Trade Union of Petroleum and Chemical Industries Workers. M. M. Novikov, IU, N. Ovsianikov. Bezop. truda v prom. 6 no. 9:38-39 S '62.

Readers' letters. Bezop. truda v prom. 7 no. 4:37 Ap '63.

Technological information. D. Kobylanskiy and others. Okhr. truda i sois. strakh. 6 no. 3:33-37 Mr '63.

INDUSTRIAL SAFETY—BIBLIOGRAPHY see Bibliography—Industrial safety

INDUSTRIAL SAFETY—LAW AND LEGISLATION

[Aid for the committee member and volunteer inspector on industrial safety: a collection of official documents] V pomoshch' chlenu komiteta i obshchestvennomu inspektoru po okhrane truda: sbornik ofitsial'nykh dokumentov. [Moskva] Profizdat, 1961. 61 p. (Biblioteka profslozhnogo aktivista, no. 7) (NNC)

"Criminal responsibility for the violation of industrial safety rules" by I. P. Lanovenko. Reviewed by IU. Verbenko. Rad. pravo no. 3:153-155 My-Je '62.

INDUSTRIAL TELEVISION

Remote eye in a turbine. A. Abdullin. Izobr. i rats. no. 3:19 '63.

Television control of the casting of large ingots in vacuum [with summary in English on p. 66]. V. A. Rabinovich, L. I. Zatoka. Tekh. kino i telev. 7 no. 4:50-53 Ap '63.

Television in X-ray flaw detection of welded joints. O. D. Bychkov. Avtom. svar. 18 no. 3:45-52 Mr '63.
Use of television in foundries. O. D. Bychkov, Lit. proizv. no. 4:13-15 Ap '63.

Using television for observations of the welding process. O. D. Bychkov. Avtom. svar. 18 no. 2:58-64 F '63.

INDUSTRIAL WASTES

(see also subdivision under Ural Mountain region)

Effect of pollution from factories on vegetation and the utilization of vegetation in fighting the aftereffects of pollution. N. K. Dekebakhi. Nauch. dokl. vys. shkoly; biol. nauki no. 2:203 '63.

Removal of suspended matter from neutralized wastes in the manufacture of synthetic fatty acids. V. I. Babayev and others. Masl. zhir, prom. 29 no. 3:32-34 Mr '63.

Sewage waters from the plant of synthetic cleaning compounds as source of acetic acid and its homologues. D. I. El'kin, D. B. Maeva. Sbor. trud. TSNIILKHI no. 14: 65-64 '61.

Using organic solvents for the extraction of low molecular weight fatty acids C₁-C₄ from acid sewage wastes from the manufacture of synthetic fatty acids and fatty alcohols. V. P. Sumarokov, Z. M. Volodutskaia. Sbor. trud. TSNIILKHI no. 14:74-84 '61.

Utilization of industrial wastes of "ekspanzit." A. K. Laitina. Sudostroenie 29 no. 3:55 Mr '63.

INDUSTRIES, LOCATION OF

"Distribution of socialist industry": theoretical studies by A. E. Probst. Reviewed by B. Eliaavetskiy. Nar. khoz. Uzb. 4 no. 1:78-80 Ja '63.

INDUSTRY—ABSTRACTS

[Economics of industry] Ref. sbor.: Ekon. prom. no. 5 My '63.

INDUSTRY—BIBLIOGRAPHY see Bibliography—Industry

INEQUALITIES (MATHEMATICS)

Determination of the extreme of a function on a polyhedron. I. A. Bakhtin, M. A. Krasnosel'skiy, A. IU. Leyn. Zhur. vych. mat. i mat. fiz. 3 no. 2:400-409 Mr-Apr '63.

Moscow. Aviatsonnyy tekhnologicheskii institut. [Inequalities and fundamentals of functional analysis] Neravenstva i elementy issledovaniia funktsii; metodicheskoe posobie dlia podgotovitel'nykh kursov MATI. Moskva, 1962. 96 p. [MICROFILM]

Problem of S. L. Sobolev and S. M. Nikol'skiy for the limit exponent. A. Kh. Gudiev. Dokl. AN SSSR 149 no. 3: 509-512 Mr '63.

INERTIAL NAVIGATION

Autonomous navigation systems for the control of rocket flights. N. I. Efremov. Mor. sbor. 46 no. 5:66-70 My '63.

INFANTS—CARE AND HYGIENE

"Infantile problems." V. Spirina. Izobr. i rats. no. 3: 26-29 '63.

INFANTS—DISEASES

Progressive lobar emphysema and tension cysts of the lung in infants [with summary in English]. S. IA. Dolet'skiy, A. A. Ovchinnikova. Pediatritia 41 [i.e. 42] no. 2:55-64 F '63.

Significance of lamblis in gastrointestinal diseases in infants. A. I. Avenirova. Pediatritia 41 [i.e. 42] no. 2:45-48 F '63.

INFANTS—MORTALITY

Some problems of further decrease in perinatal mortality. A. F. Zelenitskiy. Pediatritia 41 [i.e. 42] no. 2:25-28 F '63.

INFANTS—NUTRITION

State and prospects of development of the infant nutrition problem. E. N. Khokhol, V. D. Ott. Pediatritia 41 [i.e. 42] no. 2:16-21 F '63.

INFANTS (NEWBORN)—DISEASES

Characteristics of the pathogenesis of pneumonia in newborn infants. IU, F. Dombrovskaya. Pediatritia 41 [i.e. 42] no. 2:8-12 F '63.

Inclusion cytomegaly (its role in fetal and neonatal pathology). V. IA. TSareva. Kaz. med. zhur. no. 5:74-81 S-O '62.

Infectious diseases in newborn infants. A. F. Tur. Pediatritia 41 [i.e. 42] no. 2:12-16 F '63.

So-called subcutaneous fat necrosis in newborn infants. S. G. Zviagintseva and others. Pediatritia 41 [i.e. 42] no. 2:60-73 F '63.

INFANTS (PREMATURE)—DISEASES

Characteristics of the pathogenesis of pneumonia in newborn infants. IU, F. Dombrovskaya. Pediatritia 41 [i.e. 42] no. 2:8-12 F '63.

INFLAMMABLE LIQUIDS

Pressure effect on the maximum temperature in the combustion zone and on the ignition temperature of a homogeneous mixture in a turbulent flow [with summary in English]. V. S. Pelevin. Inzh. -fiz. zhur. 8 no. 3:34-38 Mr '63.

INFLORESCENCE

Effect of light conditions on the development of generative organs in corn. G. I. Kosobokov. Bot. zhur. 48 no. 3:378-388 Mr '63.

Occurrence of a monoclinal inflorescence in an introduced Japanese white birch. V. I. Nekrasov, L. S. Vartazova, N. A. Borodina. Bot. zhur. 48 no. 3:436-440 Mr '63.

INFLUENZA

(see also subdivision under Kiev; Krasnodar)

Akademiia meditsinskikh nauk SSSR, Moscow, Institut infektsionnykh boleznei. [Influenza; epidemiology, etiology, pathogenesis, clinical aspects and treatment] Gripp; epidemiologiya, etiologiya, patogeneza, klinika i lechenie. Pod red. N. I. Morozkina. Moskva, Medgiz, 1958. 311 p. (DNLM)

Case of acute myopathy in influenza; recovery. G. Marinescu and others. Vop. virus. 7 no. 6:739 N-D '62.

Detection of cell inclusions in influenza and its complications during the interepidemic period. T. IA. Liar'skaya, E. S. Ketladze. Lab. delo 9 no. 3:35-41 Mr '63.

Electrocardiographic examinations in postinfluenza pneumonia [with summary in English]. V. M. Pletzer. Vrach. delo no. 3:94-97 Mr '63.

Grippe. G. Fabrikant. Doshk. vosp. 36 no. 2:84-87 F '63.

Increase in the activity of the antihemagglutinating anti-influenza serum due to heating. M. G. Gal'skaya, A. S. Dromashko, A. A. Mukhina. Vop. virus. 7 no. 7:226-229 '62.

Laboratory diagnosis of influenza. I. A. Sutin. Lab. delo 9 no. 3:34-35 Mr '63.

Mediastinal emphysema in a pulmonary tuberculosis patient with influenza. V. S. Anasiev. Kaz. med. zhur. no. 5:82-83 S-O '62.

Resistance of the foot-and-mouth disease and influenza viruses to desiccation by the pulverization method [with summary in English]. E. E. Nikitin, A. G. Viatnikov, V. A. Sergeev. Vop. virus. 7 no. 6:712-723 '62.

Rhinocytoscopy by G. T. Pavlovskii's method for the diagnosis of viral influenza; preliminary report. G. A. Zmechorovskaya. Lab. delo 9 no. 3:41-44 Mr '63.

Study of influenza virus strains, type A2, by the test of hemagglutination retention reaction. A. I. Kirilova. Vop. virus. 7 no. 6:738 N-D '62.

Use of fluorescence microscopy for the detection of virus inclusions in influenza [with summary in English]. T. IA. Liar'skaya, E. S. Ketladze, N. N. Zhilina. Sov. med. 26 no. 1:90-95 Ja '63.

Viremia in influenza infection [with summary in English]. N. V. Novikova. Vrach. delo no. 3:101-104 Mr '63.

INFLUENZA—PREVENTIVE INOCULATION

Increasing the immunogenic activity of a live vaccine against influenza by triple immunization of susceptible people [with summary in English]. A. A. Smorodintseva and others. Vop. virus. 7 no. 6:683-688 N-D '62.

Study of the reactivity and immunological effectiveness of influenza-diphtheria and of influenza-diphtheria-whooping cough vaccines [with summary in English]. N. N. Sokolova, N. I. Apunashchenko, L. A. Medvedeva. Vop. virus. 7 no. 6:680-693 N-D '62.

Use of live and killed anti-influenza vaccines in irradiated animals [with summary in English]. O. P. Peterson, I. A. Kozlova. Vop. virus. 7 no. 6:694-697 N-D '62.

INFORMATION THEORY

Application of the information theory to measuring equipment. E. F. Dolinskii. Izv. tekhn. no. 8:49 Ag '62.

Asymptotical evaluation of error probability in transmitting communications through a channel without a memory using feedback. R. L. Dobrushin. Proble. teo. i ekspr. fiz. no. 8:161-168 '62.

How to determine the concept of "information" in cybernetics [with summary in English]. F. P. Tarasenko. Vop. filos. 17 no. 4:76-84 '63.

Law governing the distribution of the thresholds of code impulses. A. N. Zelliger. Elektrosviaz' 17 no. 3:55-57 Mr '63.

Noiseproof feature of amplitude-keyed signals with fading. M. F. Bakharova, L. I. Blatyi. Radiotekh. i elektron. 8 no. 4:530-545 Ap '63.

Nonrecurrent feedback. A. A. Markov. Proble. teo. i ekspr. fiz. no. 8:169-180 '62.

Optimum characteristics of quantizing devices. A. I. Velichkin. Radiotekhnika 18 no. 2:3-6 F '63.

Some probability characteristics of a telephone signal with a difference envelope. V. I. Aizenberg, L. E. Baid. Elektrosviaz' 17 no. 3:3-7 Mr '63.

Study of a Chabyshev-type vocoder. V. I. Kulik. Elektrosviaz' 17 no. 3:22-30 Mr '63.

Ungrouped tightly packed codes. IU, L. Vasilev. Prikl. kib. no. 8:337-340 '62.

Use of the information theory in studying human activity [with summary in English]. S. I. Shapiro, L. I. Uman'skiy. Vop. psikh. 9 no. 2:75-80 Mr-Apr '63.

INFORMATION THEORY IN PSYCHOLOGY

Algorithmic structure of active facility. A. M. Parid. Vop. psikh. 9 no. 1:67-79 Ja-F '63.

Some principles for the development of correction methods to be used for the evaluation of the information processing rate [with summary in English]. A. A. Genkin, V. I. Medvedev, M. P. Shek. Vop. psikh. 9 no. 1: 104-110 Ja-F '63.

INFORMERS see subdivision under United States

INFRARED RAYS—INDUSTRIAL APPLICATIONS

Reliable source of heat radiation. IU, Ermakov. Sud. i arkhit. Mosk. 11 [i.e. 12] no. 4:25-26 Ap '63.

INFRARED SPECTRUM see Spectrum, Infrared

INGOT MOLDS

Making ingot molds and other castings of cast iron with spheroidal graphite at the Chelyabinsk Metallurgical Plant. N. V. Kels and others. Stal' 23 no. 4:381-381 Ap '63.

INGRIM, ROBERT
One of the mad pack. D. Umanski. Sov. pech. no. 3:58-59 Mr '63.

INOULOV, SERGEI BORISOVICH, 1893-1937
Enlisted by the revolution. V. Gavrilov. Nar. obr. no. 4:93-95 Ap '63.

INHALATION THERAPY
Late results of treatment of hypertension patients with auditory and vestibular disorders by means of sulfide water inhalations. A. A. Kravchenko. Trudy MONIKI no. 3:180-178 '62.
State of the auditory analyzer in hypertension patients treated by inhalation of natural sulfide water. A. A. Kravchenko. Trudy MONIKI no. 5:177-206 '62.

INIBITION (CHEMISTRY)
Inhibitors are the elixir of life for polymers. E. F. Burnistov and others. Iun. tekhn. 7 no. 12:8-13 D '62.
Inhibitors of chemical reactions. S. A. Balezin, K. V. Neliya. Khim. v shkole 18 no. 1:17-23 Ja-F '63.

INLAND NAVIGATION
(see also subdivision 'Navigation' under Dnieper River; Volga River; Yenisey River)
Before the navigation season starts. Rech. transp. 22 no. 3:1-3 Mr '63.
Beginnings of printing in Moscow and the first Russian book on inland waterways. F. Nesternuk. Rech. transp. 22 no. 3:42-44 Mr '63.
System of maximum power production in conditions of the "navigation and power" complex. P. P. Denisov. Gidr. strol. 33 no. 2:30-40 F '63.

INLAND WATER TRANSPORTATION
(see also subdivision under Kutan)
All our energy and knowledge for the building of communism. Rech. transp. 22 no. 4:1-2 Ap '63.
Entering the fifth year of the seven-year plan. K. Korotkov. Rech. transp. 22 no. 4:4-5 Ap '63.
Expand the transportation of petroleum products by fluvial methods. I. Torochkov. Rech. transp. 22 no. 4:13-15 Ap '63.
Reduce time consumption by the fleet in the initial and concluding periods of the navigation season. E. D. Bachin. Rech. transp. 22 no. 4:15-16 Ap '63.

INLAND WATER TRANSPORTATION—EMPLOYEES
(see also subdivision under Yenisey River)
Correct formulation of the problem. A. Trushnikov and others. Rech. transp. 22 no. 4:42 Ap '63.
Our consultations. Rech. transp. 22 no. 4:41 Ap '63.
Striving for the calling of a crew of communist labor. V. Moshkin. Rech. transp. 22 no. 3:15-16 Mr '63.

INLAND WATER TRANSPORTATION—TECHNOLOGICAL INNOVATIONS
In the public interest. G. Vol'konsk. Rech. transp. 22 no. 4:43 Ap '63.

INOCERAMUS see subdivision under Mangyshlak Peninsula

INPUT-OUTPUT ANALYSIS see Linear programming

INSCRIPTIONS, ORIENTAL see subdivision under Burkhan-Darya Province

INSCRIPTIONS, SABAean
The title "king" (mlk) in Southern Arabia in the middle of the first century B. C. [with summary in French]. A. G. Lundin. Krat. soob. Inst. nar. Az. no. 40:202-212 '62.

INSECT BAIT AND REPELLENTS
Protection of botanical collections from pests. V. G. Ber. Bot. zhur. 40 no. 3:384-395 Mr '63.

INSECTICIDES
Against plant diseases and pests. K. A. Gar. Priroda 52 no. 4:60-62 '63.
A new means for controlling dangerous orchard pests. Zemledelie 25 no. 1:86 Ja '63.
Phosphorus organic insecticides (to be continued). P. V. Popov. Zashch. rast. ot vred. i bol. 6 no. 8:41-42 Ja '61.
Polychlorophene. D. F. Rundev. Zashch. rast. ot vred. i bol. 6 no. 11:39 N '61.
Protection of botanical collections from pests. V. G. Ber. Bot. zhur. 40 no. 3:384-395 Mr '63.
Seed disinfectants. E. I. Andreeva. Zashch. rast. ot vred. i bol. 6 no. 6:34-35 Je '61.

INSECTICIDES—TOXICOLOGY
Unity of science and practice. A. P. Fedorenko. Priroda 52 no. 3:69 '63.

INSECTS
(see also subdivision under Soviet Central Asia)
Beetle in a cage. N. Korostelev. Nauka i zhizn' 30 no. 1:86-87 Ja '63.

INSECTS—MIGRATION
Migration of gregarious locusts. E. P. Tsyplyakov. Zashch. rast. ot vred. i bol. 6 no. 6:45-47 Je '61.

INSECTS, FOSSIL
Stratigraphy and the tempo of the evolution of insects. O. M. Martynova, A. G. Sharov. Paleont. zhur. no. 1:137-138 '63.

INSECTS, INJURIOUS AND BENEFICIAL
(see also subdivision under Karaganda)
"Forecasting the appearance and calculating the prevalence of plant diseases and agricultural pests." Reviewed by G. I. Korotikh. Zashch. rast. ot vred. i bol. 6 no. 6:50 Je '61.
Improve observations and forecasts on the spread of pests and diseases. I. A. Polakov. Zashch. rast. ot vred. i bol. 6 no. 11:40-42 N '61.
Tashkent. Tashkentskii sel'skokhoziaistvennyi institut. [Collection of papers on entomology] Entomologicheskii sbornik. Tashkent, Izd-vo Akad. nauk SSSR, 1960. 173 p.
[DNAL MICROFILM]

INSECTS, INJURIOUS AND BENEFICIAL—BIBLIOGRAPHY see Bibliography—Insects, Injurious and beneficial

INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL
Entobacterin 3. N. S. Fedorinichik. Zashch. rast. ot vred. i bol. 6 no. 11:38 '61.
New possibilities of attracting insectivorous birds for controlling harmful insects. P. A. Sviridenko. Zashch. rast. ot vred. i bol. 6 no. 11:34-37 N '61.

INSECTS, INJURIOUS AND BENEFICIAL—CONTROL
Practical work of the sixth grade students on the topic "Control of insect garden pests." Z. M. Borisevich, T. N. Ushakova. Biol. v shkole no. 2:29-33 Mr-Apr '63.

INSTRUMENT FLYING
Dividing one's attention during instrument flight. G. V. Pavlov. Mor. shor. 46 no. 5:54-57 My '63.
Litvin-Sedol, M. Z. [Introduction to the mechanics of a controlled flight] Vvedenie v mekhaniku upravlianiya letom. Moskva, Gos. izd-vo "Vysshaya shkola," 1962. 211 p.

INSTRUMENT INDUSTRY see subdivision under Armenia

INSTRUMENT MANUFACTURE
Levin, I. A. [Handbook for the designer of precision instruments] Spravochnik konstruktora tochnykh priborov. 2. izd. Moskva, Oborongiz, 1962. 727 p.
Per, A. G. [Diamond and fine machining in the manufacture of instruments] Almaznaya i tonkala obrabotka v priborostroenii. Moskva, Oborongiz, 1963. 186 p.

INSTRUMENTS
Elastic pivots in instruments; survey. V. N. Zheludkov. Izv. vyz. uchob. zav.; prib. 6 no. 2:115-128 '63.
Runsa (1923- U.S.S.R.) Ministerstvo sel'skogo khoziaistva. Upravleniye nauki, propagandy i vnedreniya poredovogo opyta. Tsentral'noe opytno-konstruktorskoe biuro priborostroenia. [Instruments and laboratory equipment developed by the Central Experimental Design Office of the Instrument Industry; catalog] Priboiry i laboratornoe oborudovanie, razrabotannye Tsentral'nym opytno-konstruktorskim biuro priborostroenia; katalog. Moskva, Sel'khozizdat, 1962. 58 p.
[MICROFILM]

INSTRUMENTS—BIBLIOGRAPHY see Bibliography—Instruments

INSTRUMENTS, ELECTRIC see Electric instruments

INSTRUMENTS, ELECTRONIC see Electronic instruments

INSULATING MATERIALS
Automatic machine for making insulation plates from peat. N. F. Gorin. Torf. prom. 40 no. 3:15-17 '63.
Protective coatings and finishings of the heat insulation of pipelines and equipment of electric power plants. P. G. Tsener. Elek. sta. 34 no. 2:84-85 F '63.

INSULATING OILS
[Insulating oils] Elektroizolatsionnye masla. [By] Ch. M. Dzhuvarly dr. Moskva, Gosizdatkhim, 1963. 274 p.

INSULATION (HEAT)
Heat insulation of the electric drives of crane mechanisms. K. Kiteis. Rech. transp. 22 no. 3:13-14 Mr '63.

INSULIN
Incorporation of labeled amino acids into insulin and its polypeptide chain B [with summary in English]. B. S. Sukhareva. Biokhimiya 28 no. 1:45-51 Ja-F '63.
Method of determining insulin and sugar in the blood by means of the anthrone reagent. I. U. E. Vel'tshchev and others. Lab. delo 8 no. 3:30-34 Mr '63.

INSURANCE, AGRICULTURAL
Kolomin, E. V. [State insurance for collective-farm property] Gosudarstvennoe strakhovanie kolhoznoho imushchestva. Moskva, Gosizdat, 1962. 63 p.

INSURANCE, AGRICULTURAL—LIVESTOCK see subdivision under Kabardino-Balkar A. S. S. R.

INSURANCE, CREDIT
Export insurance and credit in capitalist countries. L. Khabruzanlia. Fin. SSSR 37 no. 3:83-88 Mr '63.

INSURANCE, FIRE see subdivision under Kazakhstan

INSURANCE, SOCIAL
(see also subdivision under Czechoslovakia; Italy; Orel Province; United States)
Editor's mail. G. Miller, A. Kuritsyna, A. Arakelov. Okhr. truda i sots. strakh. no. 4:44 Ap '63.
In the Ministry of Social Insurance of the R. S. F. S. R. Sots. obesp. 24 no. 4:40-50 Ap '63.
In the Presidium of the All-Union Central Council of Trade Unions. Okhr. truda i sots. strakh. 6 no. 3:44-45 Mr '63.
In what cases can trade unions withhold temporary disability payments from workers? N. Blokhin. Okhr. truda i sots. strakh. 6 no. 3:42-43 Mr '63.
Payments in cases of prosthesis with hospitalization. V. Laptev. Sots. obesp. 24 no. 4:55-56 Ap '63.
Problems of social insurance in the decisions of the Communist Party and the Soviet Government. Sots. obesp. 24 no. 3:6-13 Mr '63.

INSURANCE, SOCIAL—ACCOUNTING
Machine accounting does not tolerate mistakes. G. Petrov-Denisov. Sots. obesp. 24 no. 3:27-30 Mr '63.

INSURANCE, SOCIAL—AUDITING AND INSPECTION
People's control. Sots. obesp. 24 no. 3:1-5 Mr '63.

INSURANCE, SOCIAL—BIBLIOGRAPHY see Bibliography—Insurance, Social

INSURANCE, SOCIAL—EMPLOYEES
(see also subdivision under Belgorod Province; Kuybyshev Province; Moscow; Perm)
Let's learn from Lenin. Sots. obesp. 24 no. 4:1-3 Ap '63.

INSURANCE, SOCIAL—PERIODICALS
We appeal to our readers. Sots. obesp. 24 no. 4:47 Ap '63.

INTAKES (HYDRAULIC ENGINEERING)
(see also subdivision under Russia, Northern)
"Fergan-type water intake units" by A. P. Ushakov, V. N. Sholokhov, I. A. Akhmetov. Reviewed by B. P. Kurbanov. Izv. AN Uz. SSR. Ser. tekhn. nauk 7 no. 2:71-72 '63.
"Improved type of water intake with a screened bottom gallery" by A. I. Irykova, R. Zh. Zhulaev. Reviewed by P. A. Poner. Gidr. i mel. 15 no. 3:55-56 Mr '63.
Rapid method of building intakes. P. L. Tereshchenko, V. F. Kamenev. Transp. strol. 13 no. 3:28-30 Mr '63.
Some aspects of the design of sedimentation tanks with periodic washing out for the intake of water from mountain rivers. E. V. Kostuchenko. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:27-36 '62.

INTEGRAL EQUATIONS
Nonlinear equations of the integral type and their application to the study of crystalline symmetry of interstitial solid solutions. A. G. Khachatryan. Fiz. i ver. tela 5 no. 3:750-758 Mr '63.
Relativistic integral kinetic equations [with summary in English]. N. B. Maslova. Vest. LGU 18 no. 7:107-119 '63.
Solution of certain conjugation problems by reduction to a generalized Riemannian problem. E. V. Skvortsov, B. Kh. Farzan, A. I. A. Chisap. Prikl. mat. i mekh. 27 no. 2:351-355 Mr-Apr '63.

INTEGRALS
Smolianskii, M. L. [Tables of indefinite integrals] Tablitsy neopredelennykh integralov. Izd. 2, ispr. Moskva, Fizmatgiz, 1963. III p.
Solvability of certain integral identities. M. Z. Solomiak. Uch. zap. Ped. inst. Gerts. 238:141-148 '62.
Use of the contour integral in solving n-dimensional mixed problems for parabolic differential equations. M. L. Rasulov. Mat. sbor. 60 no. 4:393-410 Ap '63.

INTEGRALS, GENERALIZED
Order of convergence of m-singular integrals in generalized Lebesgue points and in L_p ($-\infty, \infty$) space. R. G. Mamedov. Izv. AN SSSR. Ser. mat. 27 no. 2:287-304 Mr-Apr '63.

INTEGRALDIFFERENTIAL EQUATIONS
Approximate solution of certain integrodifferential equations. L. E. Krivoshchek. Izv. vyz. uchob. zav.; mat. no. 3:74-84 '63.
Derivation of an integrodifferential equation according to its fundamental system of solutions. I. U. K. Lando. Vestsi AN BSSR. Ser. fiz.-tekhn. nav. no. 1:24-32 '63.
Stability of solutions to integrodifferential equations. E. A. Barbashtin, L. F. Bislarina. Izv. vyz. uchob. zav.; mat. no. 3:3-14 '63.

INTELLECTUAL LIFE
Ryl'akiy, Maksym. [On art] Pro mystetstvo. Peredmovaya. M. Iosypenko. Kyiv, Derzh. vyd-vo obrazovnoyehoho mystetstva i muzychnoi lit-ry URSR, 1962. 207 p.

INTELLECTUALS

Social structure of the Russian intelligentsia in the late 19th and early 20th century. L. K. Erman. Ist. SSSR 7 no. 1:161-177 Ja-F '63.

INTERFEROMETER

Interferometer without quartz-holder. V. V. Voflonis, Prim, ul'trakust, k issl, veshch, no. 18:117-120 '62.
Simple ultrasonic interferometer. V. I. Stranousov, Prim, ul'trakust, k issl, veshch, no. 16:121-122 '62.

INTERFEROMETRY

Amplitude method of multiple-beam interferometry. F. A. Korolev, G. I. Kromskii, I. V. Skokov. Opt. i spekt. 14 no. 3:416-318 Mr '63.
Instrument function in Fourier spectrometry involving discrete analysis. P. F. Parshin. Opt. i spekt. 14 no. 3:386-394 Mr '63.
Measuring high path differences by means of interference monochromatization. A. I. Kartashev, A. P. Kirichenko. Izv. vuzov, fiz. 11 Ag '62.
Study of processes occurring on the surface of single crystals. Part 4. High-temperature processes on the surface of arbitrary cross sections of ionic single crystals. I. A. G. Goguzin, V. V. Korotkova, L. S. Khartanova. Kristallografiya 7 no. 8:903-909 N-D '62.
Use of reflecting diffraction gratings in interference systems for measuring linear shifts. Part 1. G. N. Rassudova, F. M. Gerasimov. Opt. i spekt. 14 no. 3: 406-413 Mr '63.

INTERIOR DECORATION

Interior decorating of a bedroom. V. Shikhev, Shkola- int. no. 2:71-75 Mr-Apr '63.
New decorative fabrics. L. E. Zhogol'. Tekst. prom. 23 no. 3:9-12 Mr '63.

INTERNAL FIXATION IN FRACTURES

Some problems of osteosynthesis in fractures in elderly and senile patients. P. F. Bytka. Trudy Kish. gos. med. inst. 12:77-80 '60.

INTERNAL REVENUE see subdivision under Kishinev

INTERNATIONAL AGENCIES

Brief news. Mir. ekon. i mezhdunar. otn. no. 4:109-113 '63.
"International organizations in the field of transportation and communication" by E. A. Shibaeva. Reviewed by M. I. Lazarev, D. I. Feldman. Izv. vuzov, ucheb. znan. i prav. 6 no. 2:158-160 '62.

INTERNATIONAL COMPETITION see Competition, International

INTERNATIONAL COOPERATION

Execution of the decisions of foreign arbitration agencies in France, England, and the U.S.A. S. N. Lebedev. Uch. zap. IMO no. 10:171-180 '62.
For the further expansion of the scientific and technical cooperation of the socialist countries. Tekst. prom. 23 no. 4:1-2 Ap '63.

INTERNATIONAL ECONOMIC RELATIONS

Myrdal, Gunnar. [An international economy: problems and prospects. Translated from the English] Mirovaya ekonomika; problemy i perspektivy. Red. I. A. Ol'shevich. Moskva, Izd-vo inostr. lit-ry, 1959. 554 p. (AU)

INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958

Conference on the Scientific Results of the International Geophysical Year held at Moscow. T. V. Chernova. Vest. AN SSSR 33 no. 4:108-111 Ap '63.

Participation of the Odessa Astronomical Observatory in carrying out the program of the International Geophysical Year. V. P. Tsesevich. Izv. Astron. obser. 5 no. 1:5-8 '60.

INTERNATIONAL LAW

Bankruptcy of the colonial system and some legal problems relating to international recognition and succession. D. I. Feldman, M. Kh. Farukhin. Izv. vuzov, ucheb. znan. i prav. 6 no. 2:115-123 '62.

The Great October Socialist Revolution and some problems of international law. M. Korostarenko. Rad. pravo no. 1:12-18 [Ja-F] '68.

National liberation revolutions and some problems of international law. R. A. Tuzmukhamedov. Uch. zap. IMO no. 10:119-148 '62.

Tunkin, G. I. [Principles of present-day international law] Osnovy sovremennoy mezhdunarodnoy prava; uchebnoe posobie. Moskva, Vysshaya partinaya shkola pri TsK KPSS, 1956. 47 p. (CU)

The 22d Congress of the CPSU and some basic problems in the Soviet theory of international law. G. P. Zadorozhnyi, F. I. Kozhevnikov. Uch. zap. IMO no. 10:3-26 '62.

INTERNATIONAL LEAGUE AGAINST RHEUMATISM

History of the foundation and development of the International League Against Rheumatism (in memory of its founder Jan van Breda). G. M. Danilshchikov. Vop. reviz. 1 no. 2:81-83 Ap-Je '61.

INTERNATIONAL RELATIONS

The basic problem of modern times. I. Sokolov. Mir. ekon. i mezhdunar. otn. no. 2:15-16 '63.
In the Institute of World Economics and International Relations of the Academy of Sciences of the U.S.S.R. V. Egorov. Mir. ekon. i mezhdunar. otn. no. 2:152-154 '63.
Principles of peaceful coexistence in the charter of the United Nations. V. K. Sobakin. Uch. zap. IMO no. 10: 27-62 '62.

INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography—International relations

INTESTINES—CANCER

Cancer of the small intestine; a case from clinical practice. Sov. med. 26 no. 1:113-115 Ja '63.
Electrocoagulation in malignant polyp of the rectum and the sigmoid. F. I. Leshchenko. Klin. khir. no. 5:54-57 My '62.

INTESTINES—INFLAMMATION

Using turpentine in enzootic catarrhal and catarrhal-hemorrhagic inflammation of intestines in goats. E. M. Krepyshev. Trudy Kras. SKH 3 no. 1:93-99 '59.

INTESTINES—TUMORS

Inflammatory tumors of the small intestine. A. S. Guhenko. Klin. khir. no. 5:71-72 My '62.

INTESTINES—WOUNDS AND INJURIES

Closing a penetrating defect of the intestine with a free skin autograft. V. S. Kazanskii. Kaz. med. zhur. no. 5: 58 S-O '62.

INVERTEBRATES see subdivision under Donetsk Province; Tsimlyansk Reservoir

INVESTMENTS, BRITISH see subdivision under Africa

INVESTMENTS, FOREIGN

(see also subdivision under White Russia)
Export insurance and credit in capitalist countries. L. Khaburzanlia. Fin. SSSR 37 no. 3:83-88 Mr '63.
New document of V. I. Lenin. Kommunist 40 no. 8:3-10 Ap '63.

INVESTMENTS, FRENCH see subdivision under Gabon

INVESTMENTS, WEST GERMAN see subdivision under Latin America

IODIDES

Determination of microquantities of iodide by its catalytic action on thiocyanate oxidation reactions (with summary in English). K. B. Iatsimirskii and others. Zhur. anal. khim. 18 no. 1:103-108 Ja '63.

IODINE

Kinetics of oxidation of iodine ions by hydrogen peroxide in the presence of niobium compounds. K. B. Iatsimirskii, V. I. Skuratov. Zhur. neorg. khim. 8 no. 3:573-577 Mr '63.

IODINE ISOTOPES—THERAPEUTIC USE

Character of changes in the cardiovascular system due to radioactive iodine therapy in thyrotoxicosis. L. A. Leshchinskii, V. V. Trusov. Vrach. delo no. 3:127-130 Mr '63.

ION BEAMS

Extraction of ions from plasma-type ion sources and the primary formation of ion beams; review. M. D. Gabovich. Prib. i tekhn. eksp. 8 no. 2:5-10 Mr-Apr '63.

ION EXCHANGE

Application of ion exchange for the acidification of fruit and berry juices. G. D. Ratushnyi and others. Trudy KIPP no. 22:371-374 '61.

Applying the ion exchange process in the manufacture of grape juices. G. G. Agabaliants, G. D. Ratushnyi. Trudy KIPP no. 22:304-311 '61.

Behavior of a membrane ion exchanger electrode in solutions of hydrofluoric acid and its salts (with summary in English). A. V. Gorditskii, E. L. Filippov, G. I. Kupriunin. Zhur. anal. khim. 18 no. 1:13-19 Ja '63.

Complex formation of indium with some complexons studied by the ion exchange method. D. I. Riabchikov, I. N. Marov. IAO Ke-min' [Yao Ke-min]. Zhur. neorg. khim. 8 no. 3:841-850 Mr '63.

Determination of halide and thiocyanate ions by the use of mercarbides. S. V. Bleshinski, M. Usubakunov. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 2:47-51 '62.

Effect of the ionic strength of an electrolyte solution on the properties of carboxyl cation exchangers. Z. S. Tabidze and others. Plast. massy no. 3:33-36 '63.

Experience in the application of ion exchange in the manufacture of fruit and berry juices and wines. G. G. Agabaliants, E. S. Drboglav. Trudy KIPP no. 22:301-370 '61.

High molecular-weight derivatives of α -methylstyrene. Part 3: Synthesis and properties of anion exchangers, derivatives of poly- α -methylstyrene (with summary in English). A. B. Davankov, I. Santo, P. M. Lilo. Vyso. kom. soed. 8 no. 3:456-448 Mr '63.

Scientific papers of students competing in the 1962 International Chemistry Olympiad. Ural. lesotekh. inst. no. 17:61-68 '62.

Some data on the ion exchange method. G. D. Ratushnyi. Trudy KIPP no. 22:313-314 '61.

Use of zirconium molybdate and titanate for the group separation of elements. A. B. Malyashev, S. S. Rodin. Zhur. Vsesoyuz. khim. 1963.

ION EXCHANGE RESINS

Determining copper content of wine by the method of ion exchange resins. IU. E. Faltukh. Trudy KIPP no. 22:375-378 '61.

Determining tartaric acid in wine and its derivatives by ion exchange resins. IU. E. Faltukh. Trudy KIPP no. 22:379-382 '61.

Determining the exchange capacity of ion exchange resins in winemaking. G. D. Ratushnyi. Trudy KIPP no. 22:319-325 '61.

Making semisweet table wines by the method of ion exchange resins. G. D. Ratushnyi, V. I. Reva. Trudy KIPP no. 22:315-318 '61.

Use of ion-exchange resins for the stabilization of semisweet table wine. G. G. Agabaliants, E. S. Drboglav. Trudy KIPP no. 22:328-333 '61.

ION SOURCES

Effect of impurities on the yield of ions from a triton source. N. I. Venikov, N. V. Venikov. Prib. i tekhn. eksp. 8 no. 2:25 Mr-Apr '63.

Extraction of ions from plasma-type ion sources and the primary formation of ion beams; review. M. D. Gabovich. Prib. i tekhn. eksp. 8 no. 2:5-10 Mr-Apr '63.

IONIC CRYSTALS

Calculating the electric field gradients in ionic crystals. V. N. Liubimov, IU. N. Venikov. Kristallografiya 7 no. 6:649-653 N-D '62.

On the theory of paramagnetic spin-lattice relaxation in crystals with ions in the S-state. Yu. A. Izrael, A. M. Lushin. Fiz. tverd. tela 5 no. 3:851-861 Mr '63.

Study of processes occurring on the surface of ionic crystals. Part 4. High-temperature processes on the surface of arbitrary cross sections of ionic single crystals. I. A. G. Goguzin, V. V. Korotkova, L. S. Khartanova. Kristallografiya 7 no. 8:903-909 N-D '62.

Theory of vibrational spectra of ionic crystals. Yu. A. Izrael. Fiz. tverd. tela 5 no. 4:1080-1089 Ap '63.

IONIZATION

Dissociation constant values of carbonic acid at various temperatures. B. N. Ryzhenko. Prib. i tekhn. eksp. 8 no. 3:630-641 Mr '63.

"Dissociation constants of organic acids and their salts" by G. Kortum, W. Vogel, K. Andruschewsky. Anal. khim. 18 no. 1:143-144 Ja '63.

IONIZATION OF GASES

Applying the theory of atomic collisions to the ionization processes in meteor trails. IU. A. Lebedev. Astron. obser. 5 no. 1:30-42 '60.

Determining the possibility of ionization in the atmosphere by means of radio-visual observations. I. A. Lebedev. Izv. Astron. obser. 5 no. 1:35-37 '60.

IONIZED AIR see Air, Ionized

IONOSPHERE

Coherent radio-receiving apparatus for the study of the difference of Doppler's frequency spectra of radio waves from an artificial earth satellite. A. P. Alpert, V. B. Bellanskii, A. P. Kulshreshna. Radiotekhnika i aer. 3 no. 1:157-170 Ja-F '63.

Relationship between the latitude and the appearance of the E_s layer. L. A. Zelenko. Geomag. i aer. 3 no. 1:173-174 Ja-F '63.

IONOSPHERIC RADIO WAVE PROPAGATION

(see also subdivision under Mirnyy Station)
Propagation of plane electromagnetic waves in a natural ionospheric layer. G. I. Makarov. Radiotekhnika i aer. 3 no. 2:30-61 '62.

Propagation of plane electromagnetic waves in ionospheric layers containing a complex turbulent structure. G. I. Makarov. Probl. dif. i rasp. voln 2:42-43 '61.

Some results of studying the parameters of the ionospheric form structure in the ionosphere with a complex turbulent structure. G. I. Makarov. Radiotekhnika i aer. 3 no. 2:30-61 '62.

Relationship between the latitude and the appearance of the E_s layer. L. A. Zelenko. Geomag. i aer. 3 no. 1:173-174 Ja-F '63.

IONOSPHERIC RESEARCH see subdivision under Abastumani

IONS

Effect of ion bombardment on the electric and dielectric properties of lead sulfide. O. M. Berliaga, M. G. Vinogradov. Fiz. tverd. tela 5 no. 3:959-961 Mr '63.

Elementary processes near the surfaces in the electron charge. V. I. Rydnik, B. M. Ivorakii. Radiotekhnika i elektron. 8 no. 4:639-645 Ap '63.

IONS—MIGRATION AND VELOCITY

Demonstrating the movement of ions (from "Chemie in der Schule," no. 7, 1962). M. N. Konukhov, V. S. Poloshin. Khim. v shkole 18 no. 2:70-80 Mr-Apr '63.

IRAN—ECONOMIC POLICY

Ivanovskii, K. A. Iran. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauka, tekhnika. VII Seriya: Mezhdunarodnaya, no. 5)

IRAN—HISTORY

Behistun inscription and the notes of ancient authors on Bardia-Gaumata [with summary in French]. M. A. Dandamaev. Krat. soob. Inst. nar. Az. no. 46:252-258 '62.

"Brief history of ancient Iran" by M. M. D'Inkonov. Reviewed by V. M. Masson. Vop. Ist. 38 no. 4:149-151 Ap '63.

Sagartians and the 14th district in the state of the Achaemenids in the History of Herodotus (III, 93) [with summary in French]. E. A. Grantovskii. Krat. soob. Inst. nar. Az. no. 46:227-251 '62.

IRAN—POLITICAL CRIMES AND OFFENSES

All people condemn these butchers. Ukraina no. 7:6 Ap '63.

IRELAND—DESCRIPTION AND TRAVEL

Land and people of the "green island." Valentin Brodskii. Iskusstvo 25 no. 12:72 '62.

IRELAND—HISTORY

"A mass movement in England and Ireland in the late 18th and the early 19th century" by E. N. Cherniak. Reviewed by M. A. Bary. Vop. Ist. 38 no. 4:142-144 Ap '63.

IRELAND—SHIPBUILDING

Irish-built ships (from "The Motor Ship," no. 506, 1962; "The Shipping World," no. 3605, 1962). Sudostroenie 29 no. 3:64-65 Mr '63.

IRIDIUM COMPOUNDS

Nitration reaction of complex iridium chlorides. G. S. Muravitskaya, I. I. Cherninaev, V. F. Sorokina, Zhur. neorg. khim. 8 no. 3:578-582 Mr '63.

Potassium trinitritrichloroiodate $K_3Ir(NO_3)_3Cl_3$. G. S. Muravitskaya, I. I. Cherninaev, V. F. Sorokina, Zhur. neorg. khim. 8 no. 3:593-598 Mr '63.

IRIDIUM ISOTOPES

Two new short-period isomers Ir^{107m} and Ir^{106m} [with summary in English]. V. V. Reimaev, V. T. Gritsyna, I. U. S. Korda, Zhur. eksp. i teor. fiz. 44 no. 4:1147-1150 Ap '63.

IRKUTSK—MACHINE-TOOL INDUSTRY

Irkutsk Machine-Tool Plant. M. D'Inchikov. Mashino-stroitel' no. 3:40 Mr '63.

IRKUTSK BASIN—COAL

Peropol'tsa, A. L., and N. Z. Gusev. [Use of solid heat carriers in a flow sheet for the continuous coking of Irkutsk Basin coals]. Primeneniye i verdogo teploosobitella v skheme neporoyynogo kokaovaniya uglei Irkutskogo basseina. Moskva, Izd-vo Akad. nauk SSSR, 1963. 143 p.

IRKUTSK PROVINCE—DRINES

Unique brine. A. S. Antsiferov. Priroda 52 no. 3:80 '63.

IRKUTSK PROVINCE—CLOTHING INDUSTRY

Production program of a plant and orders. V. I. Urov. Sov. torg. 36 no. 2:10-12 F '63.

IRKUTSK PROVINCE—FARMS—VALUATION

Land valuation is necessary for comparing farms. P. Beloborodov. Ekon. sei'khoz. 34 no. 3:90-95 Mr '63.

IRKUTSK PROVINCE—INDUSTRIAL HYGIENE

We check and help. A. Gansburg. Okhr. truda i sost. strakh. 6 no. 3:9-10 Mr '63.

IRKUTSK PROVINCE—MAVS

"Atlas of Irkutsk Province." Reviewed by B. A. Fedorovich. Priroda 52 no. 3:48 '63.

IRKUTSK PROVINCE—PETROLEUM GEOLOGY

Kondrat'eva, Z. A., and Z. N. Ipatova. [Zayarsk well in Irkutsk Province] Zayarskaya opornaya skvazhina (Irkutskaya oblast'). Leningrad, Gosoptekhizdat, 1962. 161 p. (Leningrad. Vsesoyuznyi naftnoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 198)

IRKUTSK PROVINCE—STATE FARMS—MANAGEMENT

Land valuation is necessary for comparing farms. P. Beloborodov. Ekon. sei'khoz. 34 no. 3:90-95 Mr '63.

IRON

Molecules with iron hearts. B. Rozen. Nauka i zhizn' 12 no. 2:6 F '63.

Preservation of ferrous metals. L. L. Zusman. Stal' 23 no. 4:365-369 Ap '63.

IRON—EXPERIMENTS

Two experiments on the topic "Iron." Khim. v shkole 18 no. 2:71 Mr-Apr '63.

IRON—HARDENING

Effect of programmed hardening on creep processes and the recrystallization of iron at high temperatures. R. I. Garber, I. A. Gindin, I. M. Nekludov. Fiz. met. i metalloved. 15 no. 3:473-475 Mr '63.

IRON—MAGNETIC PROPERTIES

Volumetric magnetostriction of iron and iron-silicon alloys. F. N. Dunaev, V. M. Kalinin. Fiz. met. i metalloved. 15 no. 2:170-174 F '63.

IRON—METALLURGY

Effect of the heating rate on the restoration of the physical and mechanical properties of cold-deformed iron. M. M. Badziaka, H. B. Larashevich, Vestsi, AN BSSR, Ser. fiz-tekhn. nav. no. 1:103-110 '63.

IRON ALLOYS

Viscosity of liquid iron-carbon alloys. N. A. Votoln, A. A. Vostriakov, O. A. Esin. Fiz. met. i metalloved. 15 no. 2:222-226 F '63.

IRON ALLOYS—METALLURGY

Effect of small additions of magnesium on the self-diffusion of iron. A. P. Linichenko, D. G. Sherman, V. I. Udovikov. Fiz. met. i metalloved. 15 no. 2:295-297 F '63.

IRON-ALUMINUM ALLOYS—METALLURGY

Iron-aluminum alloys with additions of rare and rare-earth metals. E. M. Savitskii and others. Trudy Inst. mol. no. 13:163-170 '63.

IRON AND STEEL BRIDGES see Bridges, Iron and steel

IRON AND STEEL PLANTS

(see also subdivision under Chelyabinsk; Great Britain)

Brief news. Met. i gornorud. prom. no. 1:91-92 Ja-F '63.

IRON AND STEEL PLANTS—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Dnepropetrovsk) Lifting table for the lining of steel pouring ladles. D. E. Popovich. Met. i gornorud. prom. no. 1:74 Ja-F '63.

IRON AND STEEL WORKERS—CONGRESSES

Conference of blast furnace operators for the consideration of a 2700 m³ blast furnace design. Stal' 23 no. 4:300-303 Ap '63.

IRON AND STEEL WORKERS—EDUCATION AND TRAINING see subdivision under Nizhny Tagil

IRON AND STEEL WORKERS—HANDBOOKS, MANUALS, ETC.

Bergauz, L. A. [Handbook for the workers of ferrous metallurgy enterprises engaged in open-pit mining] Pamiatka dlia rabochikh, zaniatykh na otkrytykh gornykh rabotakh predpriatii chernoi metallurgii. Moskva, Gosoptekhizdat, 1962. 193 p. (Organizatsiia i oplata truda)

Bergauz, L. A., and L. A. Derkach. [Handbook for workers in the ore dressing and sintering plants (workshops) of ferrous metallurgy enterprises] Pamiatka dlia rabochikh obogatitel'nykh i aglomeratsionnykh fabrik (tsekhov) predpriatii chernoi metallurgii. Moskva, Gosoptekhizdat, 1962. 180 p. (Organizatsiia i oplata truda)

IRON-CHROMIUM ALLOYS—METALLURGY

Mastering the making of refined ferrochromium in furnaces with a tilting and rotating hearth. M. A. Ryza, S. E. Pigasov. Stal' 23 no. 4:334-335 Ap '63.

Producing refined ferrochromium by the mixing of melts. O. S. Bobkova and others. Stal' 23 no. 4:331-333 Ap '63.

IRON-CHROMIUM-MANGANESE ALLOYS

Exothermic materials with chromium and manganese for alloying steel in the ladle. K. N. Rispeil, A. S. Dubrovina. Stal' 23 no. 4:315-320 Ap '63.

IRON-COBALT ALLOYS

Catalytical properties of iron and cobalt alloys in the reaction of ammonia synthesis. M. V. Tovbin, V. G. Chalenko. Ukr. khim. zhur. 28 no. 3:278-284 '63.

IRON FOUNDRY

Making ingot molds and other castings of cast iron with spheroidal graphite at the Chelyabinsk Metallurgical Plant. N. V. Keis and others. Stal' 23 no. 4:381-383 Ap '63.

Use of inoculation to increase the density of thin-walled iron castings. P. D. Kurochkin, L. I. Rylov. Lit. proizv. no. 4:42-43 Ap '63.

IRON FOUNDRY—DEFECTS

Residual stresses and the warping of iron castings. O. I. Kotsiubinskii and others. Lit. proizv. no. 4:28-31 Ap '63.

IRON HYDROXIDES

Formation of molybdenum containing iron hydroxides. A. S. Mikhailev. Geokhimiia no. 10:925-929 '62.

Highly concentrated colloid solutions. Part I: iron hydroxide sols. M. E. Shishniashvili, A. L. Batsanadze, A. N. Manladze. Trudy Inst. khim. AN Gruz. SSR 16:141-150 '62.

IRON INDUSTRY—LABOR PRODUCTIVITY see subdivision under Ukraine

IRON MINES AND MINING see subdivision under Belozersk (Zaporozh'ye Province); Kachkanar Mountain; Krivoy Rog Basin; Sverdlovsk Province

IRON MINES AND MINING—EQUIPMENT AND SUPPLIES see subdivision under Sverdlovsk Province

IRON MINES AND MINING—LABOR PRODUCTIVITY see subdivision under Sverdlovsk Province

IRON-MOLYBDENUM ALLOYS—METALLOGRAPHY

Redistribution of components in solid solutions prior to decomposition. A. S. Zav'yalov, B. I. Bruk. Fiz. met. i metalloved. 15 no. 3:379-380 Mr '63.

IRON-NICKEL ALLOYS—METALLOGRAPHY

Effect of high isostatic pressure on transformations in iron-nickel alloys. L. A. Mel'nikov, B. K. Sokolov, A. I. Stregulin. Fiz. met. i metalloved. 15 no. 3:357-361 Mr '63.

IRON-NICKEL-CHROMIUM ALLOYS—ELECTROMETALLURGY

Effect of electric slag refining on the technological plasticity of iron-nickel-chromium base alloys. M. V. Pridansev, I. G. Sokolov, A. I. Kondrat'ev. Avtom. svar. 16 no. 3:7-12 Mr '63.

IRON ORES

(see also subdivision under Altai Mountains; Kerch Peninsula; Kursk Magnetic Anomaly; Turgay Gates) Mechanism of the accumulation of germanium in iron ores and coals. O. V. Shcherbak. Min. syr'e no. 6:101-113 '62.

IRON ORES—ANALYSIS

New method for analyzing rocks and iron ores. F. N. Efimov. Sov. geol. 6 no. 2:152-155 F '63.

IRON ORES—TESTING

Determining indices for the dressing of complex iron ores with the help of triangular diagrams. N. P. Zhukovskii, A. S. Petrov. Obog. rud 7 no. 3:29-33 '62.

IRON ORGANIC COMPOUNDS

Ferrocenes, the new metalloorganic compounds. B. I. Rozen. Khim. v shkole 18 no. 2:93-94 Mr-Apr '63.

IRON OXIDES

Complex formation in the systems consisting of phosphoric acid - alkali - sesquioxides. A. E. Kharakoz and others. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 0:141-147 '62.

IRON OXIDES—MAGNETIC PROPERTIES

Magnetic susceptibility in the system $\alpha\text{-Fe}_2\text{O}_3 - \alpha\text{-Al}_2\text{O}_3$. I. A. V. Vasil'ev, G. A. Shcherbakova. Fiz. tver. tela 5 no. 4:1090-1093 Ap '63.

IRON PLATING

Reconditioning parts by porous iron plating. G. Zhediasvskaya. Avi. transp. 41 no. 3:38-40 Mr '63.

Regularities of the formation of electrolytic iron powders. A. T. Vagramian, V. N. Kudriavtsev. Izv. AN SSSR, Otd. khim. nauk no. 2:263-268 F '63.

IRON-SILICON ALLOYS—MAGNETIC PROPERTIES

Volumetric magnetostriction of iron and iron-silicon alloys. F. N. Dunaev, V. M. Kalinin. Fiz. met. i metalloved. 15 no. 2:170-174 F '63.

IRON SULFATES

Reaction of iron sulfate with urea in an aqueous medium at 25 and 40°C. I. G. Druzhinin, A. Kalkiev. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:101-106 '62.

IRON SULFIDES see subdivision under Ural Mountains

IRONWORKS see Iron and steel plants

IRREVERSIBLE PROCESSES

Relation between the intensity and irreversibility of the heat transfer process [with summary in English]. I. T. El'perin. Inzh.-fiz. zhur. 6 no. 3:40-44 Mr '63.

IRRIGATION

(see also subdivision under Amu Darya Valley; Andizhan Province; Chu Valley; Karshi Steppe; Kirgizistan; Volga Valley)

Irrigating wide and long strips. V. Kh. Klotz. Gidr. i mel. 16 no. 3:20-26 Mr '63.

Method for an approximate determination of the ground water recharge or evaporation and transpiration losses under irrigation conditions. E. L. Minkin. Vop. gidrogeol. i inzh. geol. no. 20:90-93 '62.

New movable diesel pumping stations. N. I. Rabinovich. Gidr. i mel. 15 no. 2:14-18 F '63.

IRRIGATION—CONGRESSES

Coordination conference on the design of drainage and irrigation pumping stations. I. K. Kulikova, A. L. Polovets. Gidr. i mel. 15 no. 3:58-60 Mr '63.

Seminar on the mechanization of operational processes in irrigation farming of the arid zone of the R. S. F. S. R. V. Laptev. Gidr. i mel. 16 no. 2:55 F '63.

- IRRIGATION CANALS AND FLUMES**
(see also subdivision under Uzbekistan)
New machine for concreting irrigation canals. S. P. Bogomolov, B. A. Postnikov. Gidr. i mel. 15 no. 3:39-44 Mr '63.
- IRRIGATION FARMING**
(see also subdivision under Bulgaria; Kazakhstan)
Zagumennyi, A. I. [Controlling salinization in irrigated lands] Bor'ba s zasoleniem orosheymykh zemel', Alma-Ata, Kazakhskoe gos. izd-vo, 1962, 69 p. (DNL)
- IRRIGATION LAWS** see subdivision under Ukraine
- IRRIGATION RESEARCH**
(see also subdivision under Kirghizistan)
Coordination of scientific investigations on hydraulic engineering and irrigation and drainage is a vitally important task; work results of the plenum of the Department of Hydraulic Engineering, Irrigation and Drainage of the Lenin All-Union Academy of Agricultural Sciences. I. F. Rusinov. Gidr. i mel. 15 no. 2: 49-54 F '63.
- IRTYSH-KARAGANDA CANAL—EARTHWORK**
Earth-working and cutting machines in construction of the Irtysh-Karaganda Canal. M. N. Krivskii. Gidr. i mel. 33 no. 2:32-35 F '63.
- IRTYSH VALLEY—FOREST INSECTS**
Harmful insects in the pine strip forests of the Irtysh Valley. P. M. Rafea. Trudy Lab. lesoved. 4:186-200 '62.
- IRTYSH VALLEY—PINE**
Growth of pine on meadow and meadow-chestnut soils in the pine strip forests of the Irtysh Valley. L. P. Brysova. Trudy Lab. lesoved. 4:169-185 '62.
Moisture conditions of sandy soils in the pine strip forests of the Irtysh Valley. L. P. Brysova. Trudy Lab. lesoved. 4:58-110 '62.
Root system of Scotch pine in the pine strip forests of the Irtysh Valley. I. N. Olovianikova. Trudy Lab. lesoved. 4:111-144 '62.
Silvicultural conditions in the pine strip forests of the Irtysh Valley. A. G. Gail and others. Trudy Lab. lesoved. 4:3-37 '62.
- IRTYSH VALLEY—SOIL MOISTURE**
Moisture conditions of sandy soils in the pine strip forests of the Irtysh Valley. L. P. Brysova. Trudy Lab. lesoved. 4:58-110 '62.
- ISAJEVA, HANNA KINDRATIVNA, 1912-**
Hanna Isajeva's fiftieth birthday. N. Mukhen'ka. Nar. i vych. ta eln. 8 no. 4:146-147 O-D '62.
- ISAKOVSKI, MIKHAIL VASIL'EVICH, 1900-**
Masik, V. I. [Poetic mastery of Isakovskii] O poeticheskom masterstve Isakovskogo. Voronezh, Izd-vo Voronezhskogo univ., 1962, 41 p. (MH)
- ISHEMBAY REGION—OIL FIELDS—PRODUCTION METHODS**
Promoting technical development. A. M. Vaisman, I. V. Pastukhov. Bezop. truda v prom. 8 no. 9:16-17 S '62.
- ISOMERIZATION**
Catalytic isomerization and aromatization of higher alkanes. N. G. Bekauri, T. S. Shukarashvili. Trudy Inst. khim. AN Gruz. SSR 18:57-85 '62.
Mechanism of the formation of transisomers of oleic acid during the hydrogenation of oleic acid radicals. B. N. Tikhonnikov, I. V. Bogdan, Masl. -zhir. prom. 20 no. 2:13-18 F '63.
Possibility of phenyl radical isomerization in benzoyl peroxide reactions. G. A. Razuvaev, B. G. Zatev. Dokl. AN SSSR 148 no. 4:843-846 F '63.
- ISOMERS**
Two new short-period isomers Ir-187m and Ir-189m [with summary in English]. V. V. Remaev, V. T. Gritsyna, I. U. S. Korda. Zhur. eksp. i teor. fiz. 44 no. 4:1147-1150 Ap '63.
- ISOMORPHISM** see subdivision under Kola Peninsula
- ISOPHTHALIC ACID**
Determination of benzoic, isophthalic, and terephthalic acids in their mixtures. M. S. Kodner, M. P. Filippov, L. F. Gushchina. Zhur. VKHO 8 no. 2:220-230 '63.
- ISOPRENE**
Copolymerization of butadiene with isoprene in the presence of various ion-type catalysts. L. S. Bresler, B. A. Dolgoplosk, E. N. Kropacheva. Dokl. AN SSSR 149 no. 3:595-598 Mr '63.
Copolymerization of butadiene with isoprene under the effect of complex metalloorganic catalysts [with summary in English]. L. S. Bresler and others. Vysokom. soed. 5 no. 3:357-362 Mr '63.
- ISOPRENOLIDS**
Advances in the synthesis of odorous substances of isoprenoid structure. V. N. Belov, N. I. Skvortsova. Usp. khim. 32 no. 3:265-304 Mr '63.
- ISOTHIOCYANATES**
Method of coordinating NCS-groups in the complex compounds of uranium (IV) and uranyl. I. U. A. Kharitonov and others. Zhur. neorg. khim. 8 no. 3:767-768 Mr '63.
- ISOTOPE SEPARATION**
Use of zirconium molybdate and titanium dioxide for group separation of elements. A. K. Lavrukina, V. V. Malyshev, S. S. Rodin. Zhur. VKHO 8 no. 2:227-229 '63.
- ISOTOPES**
Grangerov, I. P. [Isotopes in the study of chemical reactions] Izotopy izuchali khimicheskie reaktsii. Kiev, Izd-vo Akad. nauk USSR, 1963, 65 p.
- ISOXAZOLE—ABSORPTION SPECTRA**
Infrared spectra of methylisoxazoles in the region 2800-3000 cm⁻¹. S. D. Sokolov, L. D. Ashkinadze. Zhur. VKHO 8 no. 1:119-120 '63.
- ISTISU—HEALTH RESORTS, WATERING PLACES, ETC.**
Effect of the climate and the mineral waters of the Istisu health resort springs on the course of experimental hepatitis. T. G. Pashae, N. L. Orlova. Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 3:40-45 '59.
- ISTISU—HYDROTHERAPY**
Data of McClure-Aldrich test in patients during treatment with Istisu mineral water. R. Kh. Kadyanova. Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 3:70-81 '59.
- ISTISU—MINERAL WATERS**
Change in the urea-, sugar-, and glycogen-forming function of the liver during treatment with Istisu mineral water. G. M. Kerimov. Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 3:82-87 '59.
Effect of Istisu mineral water on the bile-secreting function of the liver in epidemic hepatitis (Botkin's disease) [in Armenian with summary in Russian]. Kh. G. Ramazanov. Azerb. med. zhur. no. 2:10-21 F '62.
Effect of Istisu mineral water on the secretory and evacuating functions of the stomach. A. M. Gadzhiev. Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 3:66-68 '59.
- ITALO-ETHIOPIAN WAR, 1935-1936**
Resignation; excerpts from memoirs. A. Eden. Mezhdunar. zhizn' 10 no. 5:98-105 My '63.
- ITALY—CHILDREN AS ARTISTS**
Drawings by Italian children. I. Karetnikova. Iakusstvo 25 no. 12:50-51 '62.
- ITALY—COLONIES—AFRICA** see Africa—Italian colonies
- ITALY—COMMUNIST PARTY**
Togliatti, Palmiro. [Life and struggle of the Italian Communist Party. Translated from the Italian] Zhizn' i bor'ba Italiyanskoi kommunisticheskoi partii. Moskva, Gospolitizdat, 1963, 78 p.
- ITALY—DESCRIPTION AND TRAVEL**
Kochetov, V. A. [Along two thousand years of history; a trip through Italy] Po dvum tysyacheletiyam; poezdka v Italiyu. [Moskva] Molodai gvardiya, 1961, 125 p. (CU)
- ITALY—ECONOMICS—PERIODICALS**
"Italia nel mondo," a periodical. A. Pokrovskii, Vnesh. torg. 43 no. 4:54-55 '63.
- ITALY—FOREIGN RELATIONS—GREAT BRITAIN**
Resignation; excerpts from memoirs. A. Eden. Mezhdunar. zhizn' 10 no. 5:98-105 My '63.
- ITALY—INSURANCE, SOCIAL**
Some data on social insurance in Italy. Sots. obesop. 24 no. 4:60-63 Ap '63.
- ITALY—MOTOR VEHICLES**
Motor vehicles at the Italian Exhibition in Moscow. B. Kalinin, A. Zhuravchenko. Avi. transp. 4 no. 8: 57-59 Ag '62.
- ITALY—POLITICS AND GOVERNMENT**
A real left shift. Nov. vrem. 20 no. 19:3 My '63.
- ITALY—RADIOBROADCASTING**
"Mangiatore del nastro." I. Petrov. Sov. radio i tel. 11 no. 11:32-33 N '62.
- ITALY—RELATIONS (GENERAL) WITH RUSSIA**
Visits, meetings and conversations. Kul't. i zhizn' 6 no. 11:48-47 '62.
- ITALY—SHIPBUILDING**
Italian-built ships (from "The Motor Ship," no. 501, 1962; "Shipbuilding and Shipping Record," no. 10, no. 12, 1962; "Shipping World," no. 3597, 1962). Sudostroenie 20 no. 4:69-70 Ap '63.
- ITALY—TELEVISION BROADCASTING**
"Mangiatore del nastro." I. Petrov. Sov. radio i tel. 11 no. 11:32-33 N '62.
- IUDOVIN, SOLOMON BORISOVICH, 1901-1961**
Brodskii, V. Ia., and A. M. Zaslavskii. [Solomon Borisovich Iudovin. Leningrad, Khudozhnik i zhizn', 1962, 76 p. (MH)]
- IURECHKO, IVAN SEMENOVICH, 1871-**
Anniversary of a phenologist and paleontologist. I. I. Iurechko. 18 no. 1:59 Ja '63.
- IVAN FEDOROV, Printer, d. 1503**
Pioneer of Russian printing. I. I. Iurechko. 18 no. 4:48 Ap '63.
Valuable contribution to Soviet book design. I. I. Iurechko. Trudy LOBI 9:145-153 '61.
- IVANO-SHAMSHCHEVO—BOOKSELLERS ASSOCIATION**
Bookstand by a community effort. A. A. Ivanov. Sbor. potreb. koop. 7 no. 2:17 F '61.
- IVANOVO—GAS DISTRIBUTION**
Concentrate the work of supplying a city with gas. N. I. Spiridonov. Sbor. trud. IZMIS 4 no. 4:25-26 Ap '63.
- IVANOVO PROVINCE—HOUSING FOR THE HANDICAPPED**
Criticism helped. L. Kravch. Sbor. trud. IZMIS 4 no. 4:25-26 Ap '63.
- IVANOVO PROVINCE—RESTAURANTS, ETC.**
Intermediate products and... Z. Shkabel'nikova. Sov. potreb. koop. 7 no. 2:17 F '61.
- IVASHYN, VASIL' ULADZIMIRAVICH, 1907-**
V. Ivashyn's and R. Helen's 50th birthday. Nov. vrem. 20 no. 4:25 Ap '63.
- IVORIES**
Russian Ivory goblin from the 18th century. I. I. Iurechko. Sbor. trud. IZMIS 4 no. 4:25-26 Ap '63.
- IZAMOV, KHAIRI**
Songs about happiness. Georgii Mustaf. Sbor. trud. IZMIS 4 no. 4:25-26 Ap '63.
- JACQUARD WEAVING**
Perforation of Jacquard cards according to a new design. B. S. Kruglov. Tekst. prom. 10 no. 1:10-11 '63.
- JADE** see subdivision under Hungary
- JANACEK, LEOS, 1854-1928**
Nest'ev, I. V. [Leos Janacek's "Jenufa"] Jenufa. [Leos Janacek, Moskva, Musgiz, 1961, 42 p. (Putevoditel po operam) (M)]
- JAPAN—ART, DECORATIVE**
Similarity and contrasts; on the interrelation of Japanese and European decorative art. V. I. Iurechko. Sbor. trud. IZMIS 4 no. 4:25-26 Ap '63.
- JAPAN—COMMERCE**
The cure is worse than the disease. A. Eden. Mezhdunar. zhizn' 10 no. 5:98-105 My '63.
- JAPAN—COMMERCE—RUSSIA**
M. N. Nesterov on his trip to Japan; and... Nov. vrem. 20 no. 19:3 My '63.
Soviet-Japanese commodity turnover. Vnesh. torg. 43 no. 3:5 '63.
- JAPAN—EDUCATION, HIGHER**
Japanese institutions of higher learning. A. Eden. Zhdanov. Vest. vys. shkoly 21 no. 1:10-11 '63.
- JAPAN—FOREIGN RELATIONS—KOREA, JAPAN**
Militaryists' pact in the Far East. I. I. Iurechko. Sbor. trud. IZMIS 4 no. 4:25-26 Ap '63.
- JAPAN—FOREIGN RELATIONS—RUSSIA**
"History of Russo-Japanese diplomatic relations." L. N. Kutakov. Reviewed by M. S. Kapustin. Sbor. trud. IZMIS 4 no. 4:25-26 Ap '63.
- JAPAN—MARITIME LAW**
Maritime laws of Japan; a brief review. M. S. Kapustin. Inform. sbor. TSNIMF no. 76. Mor. prom. i prak. no. 17:19-25 '62.
- JAPAN—MOTHERS**
Two days with Japanese mothers. Nasa Jap. Zhen. mira no. 12:16-17 '62.
- JAPAN—MUSIC**
Travel notes. A. Sveshnikov. Sov. muz. 37 no. 1:125-131 Mr '63.
- JAPAN—POLITICS AND GOVERNMENT**
Latshev, I. A. [Japan during the days of political storms; some pages from recent history] Ispovedi i dni politicheskikh bur'. naskol'ko atraktsionno istorii. Moskva, Gospolitizdat, 1961, 60 p.

JAPAN — POLITICS AND GOVERNMENT (Continued)
Nihon Kyosanto, 8. Zenkoku To Taikai, Tokyo, 1961.
 [Eight Congress of the Communist Party of Japan,
 Tokyo, July 25-31, 1961. Translated from the
 Japanese] VIII s'ezd Kommunisticheskoi partii Iaponii,
 Tokio, 25-31 iuliia 1961 goda. Moskva, Gospolit-
 izdat, 1961. 302 p. (Dokumenty i materialy zaru-
 beznykh kommunisticheskikh i rabochikh partii)
 (CSI-II)

JAPAN—SHIPBUILDING
 Japanese-built ships (from foreign journals). Sado-
 sironie 29 no. 3:63-64 Mr '63.

JAPAN—TANK VESSELS
 Giant tanker. N.S. Arkush. Sudostroenie 20 no. 4:64
 Ap '63.

JAPANESE CEDAR
 Frost resistance of Cryptomeria japonica Don. I. I.
 Dubriak. Bot. zhur. 48 no. 2:269-270 F '63.

JAPANESE PAGODA see subdivision under
 Caucasus, Northern

JAVANESE LANGUAGE—OLD JAVANESE see Kawi
 language

JAWS—CANCER
 (see also subdivision under Uzbekistan)
 Case of Ewing's sarcoma of the upper jaw. A. N. Kosa-
 chev. Stomatologiya 41 no. 5:95-98 S-O '62.

JAWS—DISLOCATION
 Reduction of a dislocation of the lower jaw. M. D. Dubov.
 Stomatologiya 41 no. 5:93 S-O '62.

JAWS—FRACTURE
 Duration of the treatment, the results, and into sequelae
 of 499 cases of maxillofacial bone fractures. A. F.
 Rubezhanskii. Stomatologiya 41 no. 5:60-64 S-O
 '62.

Intraoral osteosynthesis in fractures of the lower jaw.
 K. Georgiova. Stomatologiya 41 no. 5:68-69 S-O '62.

JAWS—TUMORS
 Osteochondrofibroma of the lower jaw. I. M. Alceva.
 Stomatologiya 41 no. 5:90-97 S-O '62.

JEALOUSY
 Forensic psychiatric evaluation of the development of
 paranoid delirium provoked by jealousy. A. P. Mosk-
 vicheva. Prakt. sudobnopsikh. ekspert, no. 5:20-36
 '61.
 Notions of jealousy in chronic alcoholism and their
 forensic psychiatric evaluation. A. P. Moskvicheva.
 Probl. sud. psikh. no. 12:85-94 '62.

JELLYFISH see Medusae

JERBOAS see subdivision under Uat-Urt

JET PROPULSION
 Parade of models with rocket engines. P. Gorelov. IUn.
 tekhn. 7 no. 2:38-39 F '63.
 "Theoretical basis for designing liquid fuel jet engines"
 by M. I. Shevchuk. Book review. Vost. vuz. shkoly 21
 no. 3:30 Mr '63.

JETS—FLUID DYNAMICS
 Experimental investigation of a jet in a counter flow.
 L. I. Iltzarova. A. S. Ginevskii. Prom. aerodin. no. 23:
 107-110 '62.
 Flow of a free turbulent jet into a moving medium.
 G. L. Grodzovskii. Prom. aerodin. no. 23:110-115
 '62.
 Flow of an annular jet onto a screen. V. I. Khanchonkov.
 Prom. aerodin. no. 23:174-199 '62.
 Outflow of a gas jet from a slot into a gas current. T. S.
 Solomakhova. Prom. aerodin. no. 23:215-231 '62.
 Propagation of laminar and turbulent axisymmetric
 spreading jets in a flooded space. G. L. Grodzovskii.
 Prom. aerodin. no. 23:80-71 '62.
 Radial slot jet flowing out from an annular source with a
 finite diameter. A. S. Ginevskii. Prom. aerodin.
 no. 23:72-79 '62.
 Relationship between aerodynamic and acoustic charac-
 teristics of a subsonic gas jet. G. Munin. Prom.
 aerodin. no. 23:200-214 '62.
 Turbulent jet flows with return currents of fluid. A. S.
 Ginevskii. Prom. aerodin. no. 23:80-98 '62.
 Turbulent nonisothermal jet flows of a compressed gas.
 A. S. Ginevskii. Prom. aerodin. no. 23:11-65 '62.

JOINTS—DISEASES
 Treatment of patients with joint diseases at the Ayak-
 Kalkan Mineral Springs. N. A. Iakovleva. Trudy Inst.
 kraev. pat. AN Kazakh. S. S. R. 11:90-97 '62.

JOINTS (GEOLOGY)
 Leningrad. Vsesoyuznyi naftianoi nauchno-issledovatel'-
 skii geologorazvedochnyi institut. [Methodological text
 on the study of the fracturing of rocks and fractured oil
 and gas reservoirs] Metodicheskoe posobie po izuche-
 niu trenzhinovatosti gornykh porod i trushchinykh
 kolektorov nefti i gaza. Leningrad, Gosoptekhnizdat,
 1962. 76 p. (Ile Trudy, no. 201)

Rapid method for locating strikes of the most pronounced
 joint systems. G. V. Charushin. Sov. geol. 6 no. 2:
 110-117 F '63.
 Study of the effect of jointing on the interaction of blast-
 ing charges. L. I. Baron, G. P. Lichell. Nauch. soob.
 IGD 11:103-109 '61.
 Use of ultrasonics in determining the extent and degree
 of fracture of rocks. A. A. Korshlev. Nauch. soob.
 IGD 11:110-117 '61.

JORDAN—POLITICS AND GOVERNMENT
 The storm in Jordan. Georgii Mirskii. Nov. vrem. 20
 no. 19:16-18 My '63.

JOURNALISM
 (see also subdivision under Uzbekistan)
 As much as one wants of the news! V. Korsunskii. Sov.
 pech. no. 3:27-28 Mr '63.
 Don't stop at the halfway mark. L. Burkhanov. Sov.
 pech. no. 3:28-29 Mr '63.
 Letters to the editor. Sov. pech. no. 3:51 Mr '63.
 Letters to the editor. Sov. pech. no. 4:48-51 Ap '63.
 The main topic. V. Kheimendik. Mol. komm. no. 2:
 102-106 F '63.
 One more section in the editorial office. Sov. pech.
 no. 4:30-32 Ap '63.
 Wonderful treasures. B. Podolskii. Sov. pech. no. 3:
 25-26 Mr '63.

JOURNALISM—CONGRESSES
 All-Union Seminar of Journalists. Sov. pech. no. 4:43
 Ap '63.
 Reflections on a meeting of members of the Communist
 Institute of Journalism. Z. Bliskavskii. Sov. pech.
 no. 3:47-48 Mr '63.
 Session of the executive committee of the International
 Organization of Journalists. Sov. pech. no. 4:52-54
 Ap '63.
 Third encounter. A. Efremov. Sov. pech. no. 3:53-54
 Mr '63.

JOURNALISM, AGRICULTURAL
 The attack on losses. I. Tkachenko. Sov. pech. no. 4:
 25-27 Ap '63.
 Newspaper of production administration. B. Gorelik.
 Sov. pech. no. 3:12-15 Mr '63.

JOURNALISM, LABOR
 If you wish to find... Sov. pech. no. 3:8-11 Mr '63.

JOURNALISM, MEDICAL
 First Soviet medical newspaper. M. B. Mirekii. Sov.
 zdav. 22 no. 4:15-23 '63.

JOURNALISM, MILITARY
 The military correspondent as the newspaper's helper.
 Sov. foto 23 no. 2:18 F '63.

JOURNALISTIC PHOTOGRAPHY see Photography,
 Journalistic

JOURNALISTS
 (see also subdivision under Yenisey Valley)
 The journalist is the party's fighter. I. Artyamonov.
 Sov. pech. no. 3:1-3 Mr '63.
 Journalists who are deputies. Sov. pech. no. 4:31-32
 Ap '63.

JUDGES
 The reports of people's judges to their constituents.
 F. Bilakh. Rad. pravo no. 1:67-70 [Ja-F] '63.

JUDICIAL ASSISTANCE
 Execution of the decisions of foreign arbitration agencies
 in France, England, and the U. S. A. S. N. Lebedev.
 Uch. zap. IMO no. 10:171-199 '62.

JUNCTION TRANSISTORS
 The active and reactive current components running
 through a nonsymmetric 1-n junction at high injection
 levels. A. Teshabaev. Izv. AN Uz. SSR. Ser. fiz.-mat.
 nauk 7 no. 1:56-61 '63.
 Device for measuring the quasi-contact potential of a
 p-n junction. S. P. Sinita, M. A. Vasil'eva. Prib. i
 tekhn. eksp. 6 no. 2:179-180 Mr-Apr '63.
 Inductive properties of thin electron-hole junctions in
 semiconductors. M. I. Igiltayn, V. I. Pisul'. Dokl. AN
 SSSR 149 no. 3:577-579 Mr '63.
 Properties of an electron-hole junction in the forward
 biased direction at high current densities. A. Teshaba-
 ev. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 7 no. 1:62-
 68 '63.
 Saturation currents in selenium p-n junctions. G. B.
 Abdullaev and others. Dokl. AN Azerb. SSSR 19 no. 1:
 9-12 '63.

JUPITER (PLANET)
 Height of the upper boundary of Jupiter's Red Spot.
 V. G. Tolol'. Astron. tsir. no. 232:8-11 D '62.
 Observations of Jupiter in 1960. V. A. Baranenko, F. K.
 Katagarov. Blul. VAGO no. 31:44-50 '62.
 Stormy processes on Jupiter. S. K. Vashchylakii.
 Astron. tsir. no. 232:6-7 D '62.

JUSTICE, ADMINISTRATION OF
 (see also subdivision under Tyachev District;
 Ukraine)
 Developing the democratic principles of socialist
 legality in the U. S. S. R. V. V. Antonov. Uch. zap. kaf.
 dial. i ist. mat. no. 3:77-86 '63.

How the Soviet public helps our public prosecutors.
 O. Prylpenko, R. Kohut, V. Uzhvenko. Rad. pravo no. 2:
 41-43 Mr-Apr '63.
 "How the Soviet state maintains law and order; the func-
 tion of maintaining socialist law as a way to ensure
 socialist legality" by I. S. Samoshchenko. Reviewed by
 I. Farber. Rad. pravo no. 3:148-151 My-Je '62.
 Leninist principles of the administration of justice in the
 U. S. S. R. Sov. iust. no. 8:1-2 '63.

Offenses against the administration of justice. I. Vlasov.
 Rad. pravo no. 3:74-78 My-Je '62.
 Vorozhelkin, E. M. [Let us ensure a strict observance
 of socialist laws] Ukrepliat' sotsialisticheskuyu zakon-
 nost'. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe
 v zhizni, nauke, tekhnike, II Seriya; Filosofiya, no. 5)

JUVENILE AUTOMOBILE DRIVERS see subdivision under
 Przhval'sk

JUVENILE DELINQUENCY
 (see also subdivision under Sweden; Ukraine;
 United States)
 Delinquency among Soviet youth. IU. P. Mironenko.
 Mat. i soob. issl. otd. inst. po izuch. SSSR no. 38/39:81-
 86 O-N '62.

People praise her work. Alek Fomchanka. Rab. i sial.
 39 no. 2:15-16 F '63.

JUVENILE DETENTION HOMES see subdivision under
 Kharkov Province

KABARDIAN LANGUAGE—LEXICOLOGY
 Shagirov, A. K. [Essays on the comparative lexicology
 of the Adyghe languages] Ocherki po sravnitel'noi
 leksikologii adygskikh iazykov. Nal'chik, Kabardino-
 Balkarskoe knizhnoe izd-vo, 1962. 213 p.

KABARDINO-BALKAR A. S. S. R.—HISTORY
 Kalmykov, B. E. [Articles and speeches] Stat'i i rechi.
 Pod red. B. Kh. T'savilova. Nal'chik, Kabardino-
 Balkarskoe knizhnoe izd-vo, 1961. 149 p.
 (WU)

**KABARDINO-BALKAR A. S. S. R.—INSURANCE, AGRI-
 CULTURAL—LIVESTOCK**
 Prompted by practice. M. Fedotova. Fin. SSSR 37 no. 4:
 71-73 Ap '63.

**KABARDINO-BALKAR A. S. S. R.—SCYTHIAN ANTIQ-
 UITIES**
 Bronze sheath point from the Kabardino-Balkar
 A. S. S. R. V. B. Vinogradov. Sov. arkeol. 7
 no. 2:229-232 '63.

KACHKANAR MOUNTAIN—IRON MINES AND MINING
 Height of Kachkanar Mountain. V. Smetsnin. Smena 39
 no. 16:10-11 Ag '62.

KADMINA, EVILALIA PAVLOVNA, 1853-1881
 Heroine of Turgenev's tale. Mykola Nazareva's'kyl.
 Ukraina no. 4:24 F '63.

KADZHARAN—COPPER MINES AND MINING
 Basic means for increasing labor productivity at the
 Kadzharan Copper and Molybdenum Combine. Sh. Gas-
 parian. Prom. Arm. 6 no. 1:21-22 Ja '63.

KADZHARAN—MOLYBDENUM—METALLURGY
 Basic means for increasing labor productivity at the
 Kadzharan Copper and Molybdenum Combine. Sh. Gas-
 parian. Prom. Arm. 6 no. 1:21-22 Ja '63.

KAGARLYK DISTRICT—AGRICULTURE
 Pavlenko, M. K. [Intensive agriculture instead of grass-
 land farming; practices on the collective farms in
 Kagarlyk District, Kiev Province] Intensivnye zemlerob-
 stvo zamiat' travopillia; dosvid kolhosplv Kaharlyts'ko-
 ho raionu na Kyivshchyni. Kyiv, Derzhst' hospvydav
 URSR, 1962. 122 p.
 (DNAL)

KAKHOVKA—ADMINISTRATIVE REMEDIES
 Work of our standing committee. P. Babenko. Rad.
 pravo no. 2:22-23 Mr-Apr '63.

KAKHOVKA RESERVOIR—FISHES—EGGS
 Destruction of eggs by fishes in natural and artificial
 spawning grounds. N. D. Belyi. Ryb. khoz. 39 no. 4:
 27-29 '63.

KAKHOVKA RESERVOIR—FISHES—FOOD
 Feeding habits of the herring Clupeonella delicatula
 (Nordmann) of Kakhovka Reservoir in the fall of 1957
 and 1958. M. F. Polyvanna. Vsiyky Kyiv, un. no. 3.
 Ser. biol. no. 1:118-126 '60.

KAKHOVKA RESERVOIR—HERRING
 Feeding habits of the herring Clupeonella delicatula
 (Nordmann) of Kakhovka Reservoir in the fall of 1957
 and 1958. M. F. Polyvanna. Vsiyky Kyiv, un. no. 3.
 Ser. biol. no. 1:118-126 '60.

- KAKHOVKA RESERVOIR—PARASITES—FISHES**
Materials on the parasites of fishes in Kakhovka Reservoir. V. P. Koval'. Visnyk Kyiv, un. no. 1, Ser. biol. no. 2:127-136 '58.
Parasites of Kakhovka Reservoir during the first three years of its existence. V. P. Koval'. Visnyk Kyiv, un. no. 2, Ser. biol. no. 1:115-120 '59.
- KAKHOVKA RESERVOIR—WAVES**
Results of wind wave studies of the Kakhovka Reservoir near Nikopol'. S. V. Rusakov, I. M. Sokol'nikov, Visti Inst. hidrol. i hidr. AN URSR 21:30-42 '62.
- KALACH-ON-DON REGION—SOCIAL GROUP WORK**
In the steppes of Volgograd Province. N. Loginov, A. Kuz'min. Agitator no. 15:45-49 Ag '62.
- KALAI-MOR—DELHI BOIL**
Cutaneous leishmaniasis in the village of Kalai-Mor in Turkmenistan. D. M. Mashev, D. G. Drukhin, E. N. Kabakov. Vop. kraev. paraz. Turk. SSR 3:89-97 '62.
- KALAI-MOR—SAND FLIES AS CARRIERS OF DISEASE**
Cutaneous leishmaniasis in the village of Kalai-Mor in Turkmenistan. D. M. Mashev, D. G. Drukhin, E. N. Kabakov. Vop. kraev. paraz. Turk. SSR 3:89-97 '62.
- KALININ, FEDOR PAVLOVICH, 1899-1962**
Fedor Pavlovich Kalinin obituary. A. E. Bibik and others. Geog. v shkole 20 no. 2:85 Mr-Apr '63.
- KALININ—CHILDREN—CARE AND HYGIENE**
Results of planned hygiene of the oral cavity in children of the city of Kalinin within a 5-year period. E. A. Abakumova, R. A. Rozhnova. Stomatologiya 41 no. 5: 17-20 S-O '62.
- KALININ—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
A conference of propagandists. A. Egorov. Agitator no. 9:27-28 My '63.
- KALININ—STOMATOLOGY**
Results of planned hygiene of the oral cavity in children of the city of Kalinin within a 5-year period. E. A. Abakumova, R. A. Rozhnova. Stomatologiya 41 no. 5: 17-20 S-O '62.
- KALININ PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
Cases from propagandist practice. G. Elgulashvili. Polit. samooobr. 7 no. 3:94-97 Mr '63.
- KALININ PROVINCE—FINANCE**
The organizational period is over. A. Prozorov. Fin. SSSR 37 no. 4:55-58 Ap '63.
- KALININ PROVINCE—PEAT INDUSTRY**
Work practices of the Dmitrovo-Cherkasovo Peat Briquet Plant. M. I. Kuz'min. Torf. prom. 40 no. 2:26-30 '63.
- KALININ PROVINCE—POLITICS AND GOVERNMENT**
The facts of life. P. Dudochkin. Sov. deput. trud. no. 4: 79-80 Ap '63.
- KALININGRAD—FISHERIES**
The crews of communist labor SRT-1148 and SRT-4564 at work. I. I. Korolev. Ryb. khoz. 30 no. 2:59-62 '63.
- KALININGRAD—RADIO IN EDUCATION**
"Kalinin is speaking!" B. Donetskii, I. Ivogin. Sov. profsoyuz 10 no. 7:10 Ap '63.
- KALININGRAD PROVINCE—PETROLEUM GEOLOGY**
Romanov, F. I., and A. I. Zolova. [South-Kalininograd (Nivenskoye) well] Iuzhno-Kaliningradskaia (Nivenskaya) opornaya skvazhina (Kaliningradskaya oblast'). Leningrad, Gosoptekhnizdat, 1962. 127 p. (Leningrad. Vsesoyuznyi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no. 197)
- KALININGRAD PROVINCE—POTATO BEETLE—EXTERMINATION**
Kalinin Branch Station of the All-Union Institute of Plant Protection. M. G. Kelsershteyn, Zashch. rast. ot vred. i bol. 6 no. 11:11 N '61.
- KALUGA PROVINCE—LUMBERING**
Gradual cuttings in the Zhizdra Logging Camp. V. G. Balgorazumov. Les. khoz. 16 no. 1:22-27 Ja '63.
- KALUGA PROVINCE—POTATO WART**
Pay more attention to canker-resistant potato varieties. E. P. Larina. Zashch. rast. ot vred. i bol. 8 no. 6:50 Je '61.
- KAMA RIVER—LUMBER—TRANSPORTATION**
Russia (1917- R. S. F. S. R.) Gosudarstvennyi nauchno-tekhnicheskii komitet. [Improving the machinery and technology of the water transportation of lumber in the Volga-Kama basin] Sovershenshtvo-vanie tekhniki i tekhnologii vodnogo transporta lesa v Volzhsko-Kamskom bassaine; materialy soveshchaniia, sostoiavshiesia 25-28 ianvaria 1960 g. pri GNTK RSFSR. Moskva, Goslesbumizdat, 1960. 115 p.
- KAMA VALLEY—FOREST PROTECTION**
Preserve sections of taiga forests in the Volga-Kama region. V. S. Porfir'ev. Okhr. priro. i zapov. delo v SSSR no. 7:34-44 '62.
- KAMANIN, ALEKSANDR MIKHAILOVICH, 1905-Sokol'nikov, M. P.**
Aleksandr Mikhailovich Kamanin. Leningrad, Khudozh. RSFSR, 1962. 61 p. illus. (MI)
- KAMCHATKA—CRAB FISHERIES**
Kamchatka crab stock at the western coast of Kamchatka. M. M. Lavrentev. Ryb. khoz. 30 no. 2:19-25 '63.
- KAMCHATKA—FISHERIES—RESEARCH**
Thirty years of fishery research in Kamchatka. I. I. Lagunov. Ryb. khoz. 30 no. 2:10-13 '63.
- KAMCHATKA—GEOMORPHOLOGY**
Petrographic and geomorphologic studies of Cenozoic effusives carried out in a region of Kamchatka. I. K. Volchanskaya, M. A. Favorskaya, D. I. Frikh-Khar. Sov. geol. 6 no. 2:91-109 F '63.
- KAMCHATKA—MOLLUSKS, FOSSIL**
Some new species of Miocene mollusks in Kamchatka. A. P. Il'ina. Trudy VNIIGI no. 106. Paleont. sbor. no. 3:361-381 '62.
- KAMCHATKA—PALEOBOTANY, STRATIGRAPHIC**
Recent data on the flora and vegetation of the blue diatom clays of the central Kamchatka Depression. N. P. Kuprina, L. A. Skiba. Dokl. AN SSSR 148 no. 4:904-905 F '63.
- KAMCHATKA—PARASITES—TROUT**
Some data on the helminths of intraspecific forms of the char Salvelinus alpinus in Kamchatka. S. M. Kononov, K. A. Savvatova. Nauch. dokl. vys. shkoly; biol. nauki no. 2:32-35 '63.
- KAMCHATKA—PETROLOGY**
Petrographic and geomorphologic studies of Cenozoic effusives carried out in a region of Kamchatka. I. K. Volchanskaya, M. A. Favorskaya, D. I. Frikh-Khar. Sov. geol. 6 no. 2:91-109 F '63.
- KAMCHATKA—WORMS, INTESTINAL AND PARASITIC**
Some data on the helminths of intraspecific forms of the char Salvelinus alpinus in Kamchatka. S. M. Kononov, K. A. Savvatova. Nauch. dokl. vys. shkoly; biol. nauki no. 2:32-35 '63.
- KAMCHATKA DEPRESSION—GEOLOGY, STRUCTURAL**
Some geophysical data on the subsurface structure of the central Kamchatka Depression. L. A. Rivosh. Sov. geol. 6 no. 2:17-24 F '63.
- KAMENETS-PODOL'SKIY—HISTORY**
The 900th anniversary of Kamenets-Podolskiy. R. P. Rostikha. Vop. ist. 38 no. 4:156-157 Ap '63.
- KAMENETS-PODOL'SKIY—POLITICS AND GOVERNMENT**
A "board of volunteers" in a residential block. V. Nepochatov. Rad. pravo no. 3:31-33 My-Je '62.
- KAMENETS-PODOL'SKIY DISTRICT—LEAF MINERS—EXTERMINATION**
The sugar beet miner Gnominoschema ocellatella Boyd. in Kamenets-Podolskiy District. V. A. Agarkov. Zashch. rast. ot vred. i bol. 8 no. 11:54 N '61.
- KAMENETS-PODOL'SKIY DISTRICT—SUGAR BEETS—DISEASES AND PESTS**
The sugar beet miner Gnominoschema ocellatella Boyd. in Kamenets-Podolskiy District. V. A. Agarkov. Zashch. rast. ot vred. i bol. 8 no. 11:54 N '61.
- KAMOLENIC ACID**
Total synthesis of kamolenic acid. L. D. Bergelson, E. V. Diatlovitskaya, M. M. Shemiakin. Izv. AN SSSR. Old. khim. nauk no. 2:388 F '63.
- KAMYSHLOV REGION—AFFORESTATION**
Results of investigating forest plantations in the city forest tract of the Kamyshlov Forest Working Circle in grassy-herbaceous pine forests. K. T. Prokina. Trudy Ural. lesotekh. inst. no. 17:95-97 '60.
- KANEL', VENIAMIN IAKOVLEVICH, 1873-1918**
Problems of social medicine in the works of V. I. A. Kanel' (1873-1918). G. A. Beilikhs. Sov. zdrav. 22 no. 4: 72-75 '63.
- KANONERKA REGION—FOREST REPRODUCTION**
Materials on the regeneration of pine on the Kanonerka Forest. I. V. Kamenetskaya. Forest Working Circle. I. V. Kamenetskaya. Trudy Lab. lesoved. 4:201-209 '62.
- KANONERKA REGION—PINE**
Forest types in the southern part of the pine strip forests in Kazakhstan as exemplified by the Kanonerka Forest Working Circle, Pavlodar Province. I. V. Kamenetskaya, A. G. Gaei. Trudy Lab. lesoved. 4:145-167 '62.
- Materials on the regeneration of pine on the Kanonerka Forest. I. V. Kamenetskaya, Forest Working Circle. I. V. Kamenetskaya. Trudy Lab. lesoved. 4:201-209 '62.**
- KAOLIN**
New effective consultant. I. S. Berzon, V. A. Melina, A. V. Shavaman. Stek. i kor. 20 no. 3:27-30 Mr '63.
- KAPAL—CLOTHING INDUSTRY**
From the editor's mail. A. Tokhtamyusov and others. Koop. Kazakh. 5 no. 12:35-39 D '62.
- KAPITSA, PETR LEONIDOVICH, 1894-**
Heavy electronics. L. Ur'ev. Izobr. i rat. no. 1:12 '63.
- KARA-KALPAK A. S. S. R.—BIRDS**
Winter ornithofauna of river bottomland forests of the Kara-Kalpak A. S. S. R. N. A. Pashkevich. Ornith. no. 4:348-353 '62.
- KARA-KALPAK A. S. S. R.—ECONOMIC POLICY**
Planning organs and the local economy. I. Kamenets. Nar. khoz. Uzb. 4 no. 1:66-70 Ja '63.
- KARA-KALPAK PAINTINGS** see Paintings, Kara-Kalpak
- KARA KUM CANAL REGION—DELHI BOIL**
Carriers and reservoirs of cutaneous leishmaniasis in the Kara Kum Canal region. E. M. Belova, I. V. Fel Moral'. Vop. kraev. paraz. Turk. SSR 3:77-83 '62.
- KARA KUM CANAL REGION—FLEAS AS CARRIERS OF DISEASE**
Fleas in the Kara Kum Canal region. E. M. Zagorodova and others. Vop. kraev. paraz. Turk. SSR 3:113-1 '62.
- KARA KUM CANAL REGION—SAND FLIES AS CARRIERS OF DISEASE**
Carriers and reservoirs of cutaneous leishmaniasis in the Kara Kum Canal region. E. M. Belova, I. V. Fel Moral'. Vop. kraev. paraz. Turk. SSR 3:77-83 '62.
- KARA-TAU—GEOLOGY, STRATIGRAPHIC**
Division of Pliocene-Quaternary sediments in the Kara-Tau. A. G. Chernikheva. Biul. Kom. ist. geol. no. 27:96-106 '62.
- KARA-TAU—HYMENOPTERA, FOSSIL**
Late Jurassic Hymenoptera of the Kara-Tau. A. V. Rasnitsyn. Paleont. zhur. no. 1:80-89 '63.
- KARA VALLEY (PAY-KHOY)—GEOLOGY STRATIGRAPHIC**
Stratigraphy of Paleozoic sediments in the Kara Valley (Pay-Khoy). A. K. Krylova. Trudy VNIIGI no. 119. Paleont. sbor. no. 3:58-75 '62.
- KARADALYKSKIY DISTRICT—AGRICULTURAL EXPERIMENT STATIONS**
At the experiment station and its surroundings. V. Farstin. Part. zhizn' Kazakh. 33 no. 3:91-94 Mr '63.
- KARAGANDA—BERRIES**
Results of introducing fruit and berry plants in the Karaganda Botanical Garden. Zh. N. Kornetchik. Trudy Inst. bot. AN Kazakh. SSR 14:118-131 '62.
- KARAGANDA—CONSTRUCTION INDUSTRY**
Generosity at the expense of... the government. A. Akhmetov. Part. zhizn' Kazakh. 33 no. 3:93-93 Mr '63.
- KARAGANDA—FLOWERS**
Materials on the introduction of flowering ornamental plants in the Karaganda Botanical Garden. Zh. N. Kornetchik. Trudy Inst. bot. AN Kazakh. SSR 14:114-131 '62.
- KARAGANDA—FRUIT**
Results of introducing fruit and berry plants in the Karaganda Botanical Garden. Zh. N. Kornetchik. Trudy Inst. bot. AN Kazakh. SSR 14:118-131 '62.
- KARAGANDA—FRUIT—DISEASES AND PESTS**
Fruit and tree pests in the Karaganda Botanical Garden. A. F. Sateev. Trudy Inst. bot. AN Kazakh. SSR 14:114-219 '62.
- KARAGANDA—GOOSEBERRIES**
Practices in growing gooseberries in the Karaganda Botanical Garden. Sh. N. Kornetchik. Trudy Inst. bot. AN Kazakh. SSR 14:132-143 '62.
- KARAGANDA—INSECTS, INJURIOUS AND BENEFICIAL**
Fruit and tree pests in the Karaganda Botanical Garden. A. F. Sateev. Trudy Inst. bot. AN Kazakh. SSR 14:114-219 '62.
- KARAGANDA—POPLAR**
Practices in growing white and black poplar plants from winter stem cuttings. G. V. Grigor'ev. Trudy Inst. bot. AN Kazakh. SSR 14:60-62 '62.
- KARAGANDA—RHUBARB**
Rhubarb in the Karaganda Botanical Garden. V. G. Katyshevtseva. Trudy Inst. bot. AN Kazakh. SSR 14:157-168 '62.
- KARAGANDA—SPIRAEA**
Practices in growing Spiraea in the Karaganda Botanical Garden. G. M. Knorre. Trudy Inst. bot. AN Kazakh. SSR 14:71-82 '62.

KARAGANDA—TREES—DISEASES AND PESTS

Fruit and tree pests in the Karaganda Botanical Garden. A. F. Sateev. Trudy Inst. bot. AN Kazakh SSR 14:214-219 '62.

KARAGANDA—WOODY PLANTS

Results of the introduction of trees and shrubs in the Karaganda Botanical Garden. E. S. Kalugin, G. M. Kalugin, G. M. Knorre. Trudy Inst. bot. AN Kazakh SSR 14:3-49 '62.

KARAGANDA BASIN—COAL MINES AND MINING

Upper working of development workings in the Karaganda Basin. I. U. Korennol. [Trudy] VNIMI no. 46:200-208 '62.

KARAGANDA ECONOMIC REGION—PRECAST CONCRETE CONSTRUCTION

[The construction industry of an economic region] Stroitel'naya industriya ekonomicheskogo raiona. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 172 p.

KARAGANDA PROVINCE—NITRARIA

Cultivating Nitria. G. V. Grlgor'ev. Trudy Inst. bot. AN Kazakh SSR 14:83-92 '62.

KARAGANDA REGION—WOODY PLANTS

Characteristics of water balance and carbohydrate metabolism in some trees and shrubs of the Karaganda industrial area. A. S. Sitnikova. Trudy Inst. bot. AN Kazakh SSR 14:170-184 '62.

KARAKUL SHEEP

Some characteristics of the blood and respiration in Karakul sheep. I. S. Nikol'skoina. Trudy Inst. morf. zhiv. no. 41:91-128 '62.

KARAKUL'DZHA VALLEY—GEOLOGY, STRUCTURAL

Quaternary horizontal shifts along the Talas-Fergana fault. E. I. A. Ranteman. Dokl. AN SSSR 140 no. 3:600-608 Mr '63.

KARDASHINKA REGION—DIATOMS, FOSSIL

Analysis of diatoms in the deposits of the Kardashinka peat bog. O. P. Oksluk. Vsiyok Kyiv, un. no. 3. Ser. biol. no. 1:10-12 '60.

KARDASHINKA REGION—PEAT BOGS

Analysis of diatoms in the deposits of the Kardashinka peat bog. O. P. Oksluk. Vsiyok Kyiv, un. no. 3. Ser. biol. no. 1:10-12 '60.

KARELIA—FOLDS (GEOLOGY)

Types of sections, stratigraphy, and some problems of the structure and igneous activity of Karelian folding. L. I. A. Kharitonov. Sov. geol. 6 no. 4:24-53 Ap '63.

KARELIA—GRANITE

Akademika nauk SSSR. Laboratoriya geologii dokembrii. [Granites of Karelia and the Kola Peninsula] Granity Kol'skogo polostrova i Karelii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 336 p. (Iz Trudy, no. 15)

KARELIA—GROUSE

Biology of the hazel grouse in Karelia. E. V. Ivanter. Ornitologiya no. 4:87-90 '62.

KARELIA—LUMBERING—MACHINERY

Nauchno-tekhnicheskoe obshchestvo lesnoi promyshlennosti i lesnogo khozaistva. Oblastnoe pravleniye. [For technological progress in the lumbering industry] Za tekhnicheskii progress v lesnoi promyshlennosti. Petrozavodsk, TsBNTI Karol'skogo sovmarkhoza, 1962. 71 p.

KARELIA—PARKS

Let me tell you a story. Antti Timonen. Sov. deput. trud. no. 4:73-75 Ap '63.

KARPINSK REGION—STRIP MINING—EQUIPMENT AND SUPPLIES

Practice of mechanizing work and equipment repair in strip mines of the Vakhrushovugol' Trust. D. B. Goro-detskii. Sbor. trud. MISI no. 30:436-438 '61.

KARSHI STEPPE—IRRIGATION

Irrigating the Karshi Steppe. I. P. Iarovsh. Gidr. i mel. 15 no. 3:3-11 Mr '63.

KARST see subdivision under Crimean Mountains

KASATKIN, NIKOLAI ALEKSEEVICH, 1850-1930

Kasatkin, N. A. Nikolai Alekseevich Kasatkin. Moskva, Gos. izd-vo Izobraz. isk., 1962. 1 v. (chiefly illus.) (CV)

KASKELN DISTRICT—RETAIL TRADE

With confidence in man. A. Artyshchevskii. Koop. Kazakh. 5 no. 11:17 N '62.

KAUNAS—COMMUNITY CENTERS

Don't rest content, go forward! I. Tsikanavichus, E. Kulikauskaitis. Klub 12 no. 10:18-19 O '62.

KAUNAS—THEATER—PRODUCTION AND DIRECTION

Relay race of generations; portrait of the stage-director H. Vanevichus. M. Potuchauskas. Teatr 24 no. 3: 49-55 Mr '63.

KAVRAISKII, VLADIMIR VLADIMIROVICH

Scientific legacy of V. V. Kavraiskii [with summary in English]. K. A. Zvonarev. Vest. LGU 16 no. 6:143-149 '63.

KAWI LANGUAGE—GRAMMAR

Teselkin, A. S. [The Old Javanese language (Kawi)] Drevne-javanskii iazyk (kavi). Pod obshchei red. G. P. Serduchenko. Moskva, Izd-vo vostochnoi lit-ry, 1963. 78 p. (IAzyki zarubezhnogo Vostoka i Afriki)

KAZAKH LITERATURE—HISTORY AND CRITICISM

Kukishov, Tursynbek. [Fruit of October; problems of ideological creativity of Kazakh Soviet literature in the period of its development, 1917-1920. Plody Oktia-bra; ob ideino tvorcheskikh voprosakh kazakhskoi sovetskoi literatury v period ee stanovleniia, 1917-1920 gg. Alma-Ata, Kazgostitizdat]. 1962. 200 p. [In Kazakh] (MH)

KAZAKHSTAN—ADULT EDUCATION

Podulin, A. S. [All cultural riches belong to the people] Vse bogatstva kul'tury - narodu. Alma-Ata, Kazgostizdat, 1962. 112 p.

KAZAKHSTAN—AGRICULTURAL MACHINERY

Snkhurov, I., and others. [Use of machines and tractors on collective farms] Eksploatacia mashino-traktornogo parka v kolchozakh. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 178 p. (DNAL)

KAZAKHSTAN—AGRICULTURE

Amanov, Amirgali. [The party organizations in Kazakhstan in the struggle to strengthen agriculture in the republic by providing qualified personnel] Partinye organizatsii Kazakhstana v bor'be za ukreplenie sel'skogo khozaistva respublikii kvalifitsirovannymi kadrami, 1963-1960 gg. Alma-Ata, Kazgostitizdat, 1962. 71 p. (MH)

"Role of the Soviet working class in the socialist transformation of the agriculture of Kazakhstan" by S. Ivashkin. Reviewed by V. G. Gvozdovskii. Part. zhizn' Kazakh. 33 no. 3:70-78 Mr '63.

KAZAKHSTAN—AMATEUR THEATRICALS

Thirty-nine theaters at the review. G. Smirnov. Teatr 24 no. 4:129 Ap '63.

KAZAKHSTAN—ATHEISM

Atheists in attack. V. Shleim. Part. zhizn' Kazakh. 33 no. 3:69-72 Mr '63.

KAZAKHSTAN—BIRDS

"Birds of Kazakhstan" by I. A. Dolgushin. Vol. I. Reviewed by V. E. Flint. Ornitologiya no. 4:471-473 '62.

KAZAKHSTAN—BOOKSELLERS AND BOOKSELLING

A book is a friend, adviser and teacher. Gabiden Mustafin. Koop. Kazakh. 5 no. 11:57-58 N '62.

KAZAKHSTAN—CENSUS

Russia (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravleniye. [Results of the 1959 All-Union population census; the Kazakh S. S. R.] Itogi Vsesoiuznoi pere-pisi naseleniia 1959 goda; Kazakhskaiia SSR. Moskva, Gosstatizdat, 1962. 201 p.

KAZAKHSTAN—CLERKS (RETAIL TRADE)

Common fate. R. Tamarina. Koop. Kazakh. 5 no. 11: 16-18 N '62.

KAZAKHSTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Amanov, Amirgali. [The party organizations in Kazakhstan in the struggle to strengthen agriculture in the republic by providing qualified personnel] Partinye organizatsii Kazakhstana v bor'be za ukreplenie sel'skogo khozaistva respublikii kvalifitsirovannymi kadrami, 1963-1960 gg. Alma-Ata, Kazgostitizdat, 1962. 71 p. (MH)

Party news. Part. zhizn' Kazakh. 33 no. 3:70-80 Mr '63.

KAZAKHSTAN—COOPERATIVE SOCIETIES

From the editor's mail. A. Toktamyshev and others. Koop. Kazakh. 5 no. 12:35-38 D '62.

The triumph of the cause of the Great October. Koop. Kazakh. 5 no. 11:4-5 N '62.

Work and honor are indivisible. P. Kurbanov and others. Koop. Kazakh. 5 no. 12:16-25 D '62.

KAZAKHSTAN—COOPERATIVE SOCIETIES—COSTS

Significance of economic work in reducing marketing costs. Kh. Damirov. Koop. Kazakh. 5 no. 11:48-51 N '62.

KAZAKHSTAN—CORALS, FOSSIL

Revision of genus Plasmopora. O. B. Bondarenko. Paleont. zhur. no. 1:42-52 '63.

KAZAKHSTAN—CORN (MAIZE)

Rabinovich, N. M. [Interesting stories about corn] Zanimatel'nye rasskazy o kukuruze. Alma-Ata, Kazgostizdat, 1962. 230 p. (DNAL)

KAZAKHSTAN—CULTURE

Ideological education of the creative intellectuals. S. Beisenbaev. Part. zhizn' Kazakh. 33 no. 3:13-18 Mr '63.

KAZAKHSTAN—CUTWORMS

Methods for estimating and short-term forecasting outbreaks of the cutworm Hadenia sordida. G. Kh. Shek. Zashch. rast. ot vred. i bol. 6 no. 6:43-44 Je '61.

KAZAKHSTAN—DESCRIPTION AND TRAVEL

Letter to Mr. MacDermott. V. Krupin. Ogonek 41 no. 14:16-17 Mr '63.

KAZAKHSTAN—DESERTS—CONGRESSES

Inter-republic session on the development of the desert territories of Central Asia and Kazakhstan. A. G. Babaev. Izv. Vses. geog. ob-va 95 no. 1:101-102 Ja-F '63.

KAZAKHSTAN—ECONOMIC CONDITIONS

"Historical studies of the national economy of the Kazakh S. S. R." Vol. 2. by G. Ch. Chulanov and others. Reviewed by N. Isaev. Koop. Kazakh. 5 no. 12:53-54 D '62.

KAZAKHSTAN—ECONOMIC POLICY

Kanapin, A. K. [The world of great ideas; cultural development of Kazakhstan] Svet velikikh idei; o kul'turnom stroitel'stve v Kazakhstane. Alma-Ata, Ob-vo po raspr. polit. i nauchn. znaniu Kazakhskoi SSR, 1962. 51 p.

Nationwide competition. Part. zhizn' Kazakh. 33 no. 3: 5-7 Mr '63.

KAZAKHSTAN—EDUCATION

Kanapin, A. K. [The world of great ideas; cultural development of Kazakhstan] Svet velikikh idei; o kul'turnom stroitel'stve v Kazakhstane. Alma-Ata, Ob-vo po raspr. polit. i nauchn. znaniu Kazakhskoi SSR, 1962. 51 p.

KAZAKHSTAN—EMBEZZLEMENT

"Lesbekov left his mark here..." Z. Mukhtarova, V. Novikov. Koop. Kazakh. 5 no. 12:58-60 D '62.

KAZAKHSTAN—FARMS—VALUATION

Yield and production costs are the main criteria. G. Nikolenko. Ekon. sel'khoz. 34 no. 3:95-100 Mr '63.

KAZAKHSTAN—GAS, NATURAL—GEOLOGY

Principal results of combined regional studies in Central Asia and southeastern Kazakhstan. G. Kh. Dikenshtein. Sov. geol. 6 no. 2:25-33 F '63.

KAZAKHSTAN—GEOLOGY, STRATIGRAPHIC

Regional stratigraphic record of Quaternary sediments of Central Asia and southern Kazakhstan. Blul. Kom. chetv. per. no. 27:163-165 '62.

KAZAKHSTAN—HISTORIOGRAPHY

Isolatov, Kh. Sh. [An answer to the falsifiers of the history of Soviet Central Asia and Kazakhstan] Otvet fal'sifikatoram istorii Sovetskoi Srednei Azii i Kazakhstana. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 196 p. (CS-I)

KAZAKHSTAN—HISTORY

Tursunov, Kh. T. [The uprising of 1916 in Central Asia and Kazakhstan] Vostanie 1916 goda v Srednei Azii i Kazakhstane. Tashkent, Gos. izd-vo UzSSR, 1962. 426 p.

KAZAKHSTAN—INSURANCE, FIRE

Strange situation. S. Muradov. Fin. SSSR 37 no. 4:70-71 Ap '63.

KAZAKHSTAN—IRRIGATION FARMING

Make fuller use of irrigation and water supply resources in the south of Kazakhstan. G. V. Voropayev, N. S. Gorunov. Gidr. i mel. 15 no. 2:56-57 F '63.

KAZAKHSTAN—LANGUAGES—STUDY AND TEACHING

Republic-wide "Pedagogical readings." V. A. Brailovskaiia. Inostr. iaz. v shkole no. 2:127-128 Mr-Apr '63.

KAZAKHSTAN—LAW

Akademika nauk Kazakhskoi SSR, Alma-Ata, Institut filosofii i prava. [History of the state and law of Soviet Kazakhstan] Istoriia gosudarstva i prava Sovetskogo Kazakhstana. Pod red. S. Z. Zimanova, M. A. Bludera. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR. Vol. 2. 1926-1937 gody. 1963. 462 p.

KAZAKHSTAN—LIBRARIES

Kanapin, A. K. [Make the treasures of knowledge available to the people] Sokrovishcha znaniu - narodu. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 40 p.

KAZAKHSTAN—MAMMALS, FOSSIL

New occurrence of Eocene mammals in eastern Kazakhstan. I. M. Klebanova. Paleont. zhur. no. 1:144-145 '63.

- KAZAKHSTAN—MEAT INDUSTRY**
Eliminate the serious shortcomings in the operations of the meat industry of Kazakhstan. K. Edygenov. Mias. Ind. SSSR 33 [i.e. 34] no. 2:26-28 '63.
- KAZAKHSTAN—MINERALS**
"Bokit," a new vanadium mineral. E. A. Ankinovich. Zap. Vses. min. ob-va 92 no. 1:51-59 '63.
- KAZAKHSTAN—MOTION PICTURES**
Motion pictures for the toilers in virgin lands. R. Golubeva. Part. zhizn' no. 8:89-71 Ap '63.
- KAZAKHSTAN—PALEOBOTANY, STRATIGRAPHIC**
Tertiary plants of Kazakhstan [with summary in English]. P. I. Dorofeev. Bot. zhur. 48 no. 2:171-181 F '63.
- KAZAKHSTAN—PASTURES AND MEADOWS**
Water supply of pastures in Kazakhstan and the improvement in their utilization. D. S. Sarykulov. Gidr. i mel. 15 no. 2:1-8 F '63.
- KAZAKHSTAN—PEDDLERS AND PEDDLING**
Delegate from the range. V. Afanas'ev. Koop. Kazakh. 5 no. 11:18 N '62.
- KAZAKHSTAN—PETROLEUM GEOLOGY**
Principal results of combined regional studies in Central Asia and southeastern Kazakhstan. G. Kh. Dikenshtein. Sov. geol. 6 no. 2:25-33 F '63.
- KAZAKHSTAN—PLANTS—WATER REQUIREMENTS**
Nature of water balance in plants of desert-steppe communities [with summary in English]. V. M. Sveshnikova. Bot. zhur. 48 no. 3:313-327 Mr '63.
- KAZAKHSTAN—PLANTS, PROTECTION OF**
The Kazakh Institute of Plant Protection under construction. E. I. Zashch. rast. ot vred. i bol. 6 no. 6:33 Je '61.
- KAZAKHSTAN—RETAIL TRADE**
Assortment plus quality. G. Pichugin. Koop. Kazakh. 5 no. 11:20-24 N '62.
In commemoration of the 45th anniversary of the October Revolution. K. Bulatbaeva and others. Koop. Kazakh. 5 no. 11:8-10 N '62.
Increase the scope of competition for communist labor. Sh. Taeva. Koop. Kazakh. 5 no. 11:31-32 N '62.
- KAZAKHSTAN—RETAIL TRADE—FINANCE**
Currency circulation and rural trade. A. Saulebekov. Koop. Kazakh. 5 no. 11:54-55 N '62.
- KAZAKHSTAN—RUSSIAN LANGUAGE—STUDY AND TEACHING**
Bekmukhamedova, Kh. A. [Study of the complex subordinated sentence in grade 8 helps Kazakh pupils to master spoken Russian] Razvitiye russkoi rechi uchashchikh-sia-kazakov v svyazi s izucheniem slozhnopodchinennogo predlozheniya v VIII klasse. Alma-Ata, Kazuchpedgiz, 1962. 27 p.
- KAZAKHSTAN—SHEEP**
The assault front of youth. U. Dzhanibekov. Part. zhizn' Kazakh. 33 no. 3:8-12 Mr '63.
- KAZAKHSTAN—SHOE INDUSTRY—EXHIBITIONS**
The fair is a good ideal. B. Muchnik. Koop. Kazakh. 5 no. 12:7-10 D '62.
- KAZAKHSTAN—SOCIALIST COMPETITION**
Increase the scope of competition for communist labor. Sh. Taeva. Koop. Kazakh. 5 no. 11:31-32 N '62.
Nationwide competition. Part. zhizn' Kazakh. 33 no. 3: 5-7 Mr '63.
- KAZAKHSTAN—TAR**
Possibilities of using bress of western Kazakhstan for obtaining petroleum. K. Kh. Bakirov and others. Trudy Inst. nefti AN Kazakh. SSSR 4:69-72 '61.
- KAZAKHSTAN—WATER SUPPLY, RURAL**
Water supply of pastures in Kazakhstan and the improvement in their utilization. D. S. Sarykulov. Gidr. i mel. 15 no. 2:1-8 F '63.
- KAZAKHSTAN—WHEAT—DISEASES AND PESTS**
Methods for estimating and short-term forecasting outbreaks of the cutworm *Hadenia sordida*. G. Kh. Shek. Zashch. rast. ot vred. i bol. 6 no. 6:43-44 Je '61.
- KAZAN—BALLET**
Ballet-play. Rostislav Zakharov. Teatr 24 no. 4:11-12 Ap '63.
- KAZAN—HARBOR**
Early completion of the seven-year plan. V. Lysenko. Rech. transp. 22 no. 3:17 Mr '63.
- KAZAN—PHOTOGRAPHY**
The needs of Kazan amateur photographers. A. Gershberg. Sov. foto 23 no. 3:26 Mr '63.
- KAZAN—TOBACCO INDUSTRY**
People are the most important factor. M. Sorokin. Mest. prom. i khud. promys. 4 no. 3:32 Mr '63.
- KAZAN GOVERNMENT—RUSSIAN SOCIAL DEMOCRATIC PARTY**
Nafigov, R. I. [The Kazan Social-Democratic organization from 1907 to 1914; a brief account] Kazanskaya sotsial-demokraticheskaya organizatsiya v 1907-1914 godakh; kratkii ocherk. [Kazan'] Izd-vo Kazanskogo univ., 1961. 96 p. (MH)
- KAZANTSEVA, NADEZHDA**
Nadezhda Kazantseva. A. Timanov. Sov. muz. 27 no. 4:88-89 Ap '63.
- KEDABEK REGION—SEDIMENTS (GEOLOGY)**
Presence of Toarcian and Anlenian sediments in the upper Akhyndzhachai River (Kedabek region). T. Ab. Gasaev. Dokl. AN Azerb. SSR 10 no. 1:27-30 '63.
- KEDPIN, DMITRII BORISOVICH, 1907-1945**
Shirokov, S. E. [Dmitrii Kedpin: an account of his life and works] Dmitrii Kedpin; kritiko-biograficheski ocherk. [Dnepropetrovsk] Dnepropetrovskoe knizhnoe izd-vo, 1961. 173 p. (NN)
- KEGACH VALLEY—PEDDLERS AND PEDDLING**
Floating stores under sails. G. Tschilin. Koop. Kazakh. 5 no. 11:8-10 N '62.
- KEMERI—BATHS, MEDICATED**
Effect of balneological factors of the Kemer Health Resort on the elements of connective tissues. M. Petersone, V. Demidova. Izv. AN Latv. SSR no. 2: 96-99 '63.
- KEMEROVO PROVINCE—AGRICULTURAL WORKERS**
Don't break their wings. V. Gogolev. Mol. komm. zhizn' no. 6:20-21 Mr '63.
- KEMEROVO PROVINCE—CONSTRUCTION WORKERS**
In summer let's go to a construction site. Komaom. zhizn' no. 6:20-21 Mr '63.
- KEMEROVO PROVINCE—TRUCK DRIVERS**
All trucks in order. S. Timofiev. Sol'. mekh. no. 1:29 Ja '63.
- KENYA—POLITICS AND GOVERNMENT**
African unity is a necessity for Kenya. Idris Cox. Mezhdunar. zhizn' 10 no. 5:123-125 My '63.
- KERAMZIT**
Heat conductivity of keramzit concrete. N. I. Spivak and others. Bet. i zhel.-bet. 0 no. 3:137-140 Mr '63.
Mekhanikova, T. T. [Use of keramzit in rural construction] Primeneniye keramzita v sel'skom stroitel'stve. Krasnodar, Krasnodarskii sovetskii nauchno-issled. obshchestv. NTO Stroindustrii, 1962. 31 p. (MICROFILM)
- KERCH—CLASSICAL ANTIQUITIES**
New finds in Kerch. V. V. Veselov. Sov. arkhool. 7 no. 2:233-234 '63.
- KERCH PENINSULA—IRON ORES**
Metallurgical value of iron concentrates from Kerch deposit ores. P. A. Taitienko. Met. i gornorud. prom. no. 1:45-48 Ja-F '63.
- KEROSENE**
Gas welding burner works on kerosene. V. M. Novykov. Mekh. sil'. hosp. 14 no. 2:18-19 F '63.
Sulfochlorination of the kerosene fractions of oils in the presence of initiators. E. S. Balakirev, A. I. Gershonovich, M. V. Korneeva. Khim. prom. no. 3:235-236 Mr '63.
- KETONES**
Determination of aldehydes in the presence of ketones [with summary in English]. L. N. Petrova, A. B. Skvor-tsova, E. N. Novikova. Zhur. anal. khim. 18 no. 1:131-136 Ja '63.
Tricyclo 1,5-diketone, a new product of the self-condensation of cyclohexanone. S. V. Svetozarskii, K. I. Feller, E. N. Zil'berman. Zhur. VHO 8 no. 1:113-114 '63.
- KEYS AND KEYWAYS (STEELWORK)**
Selecting keys for stepped and hollow shafts. A. N. Reimers. Standartizatsiya 27 no. 3:30-32 Mr '63.
- KEYVY UPLAND—CYANITE**
Cyanite from the cyanite schists in the Keyvy Upland. I. V. Bel'kov. Mat. po min. Kol'. poluost. 2:5-45 '62.
- KEYVY UPLAND—GRANITE—ANALYSIS**
Quantitative mineral composition of alkali granites of the western Keyvy Upland. I. D. Battieva, I. A. Bergman. Mat. po min. Kol'. poluost. 2:143-148 '62.
- KEYVY UPLAND—SCHISTS**
Cyanite from the cyanite schists in the Keyvy Upland. I. V. Bel'kov. Mat. po min. Kol'. poluost. 2:5-45 '62.
Paragenetic analysis of crystalline schists in the western Keyvy Upland. S. N. Suslova. Mat. po min. Kol'. poluost. 2:46-60 '62.
- KHABAROVSK—ATMOSPHERE**
Results of determining the height and types of tropopause in Khabarovsk. N. P. Vel'tishev. Trudy TSP no. 118:13-18 '62.
- KHABAROVSK—DISTRICTIVE EDUCATION**
Editor's mail. V. Kololushkin and others. Sov. torg. i no. 2:32-33 F '63.
- KHABAROVSK TERRITORY—SOVIETS**
How much does a line of your mandate "weigh?" Sov. deput. trud. no. 4:101-102 Ap '63.
- KHABAROVSK TERRITORY—TRANSPORTATION, AUTOMOTIVE**
We have many potentialities. I. Chernykh. Avi. transp. 4 no. 8:40 Ag '62.
- KHACHATURIAN, ARAM IL'ICH, 1904-**
A. Khachaturian's "Rhapsody." Sov. muz. 27 no. 1:82-83 Ja '63.
- KHAKASS AUTONOMOUS PROVINCE—MOLYBDENUM ORES**
Formation, distribution, and types of molybdenum deposits in Khakassia. V. T. Pokalov, B. S. Chernov. Min. syr'ye no. 4:36-50 '62.
- KHAMIDOV, MANNON KHAMIDOVICH, 1920-1962**
In memory of Mannon Khamidovich Khamidov. A. B. Bitalov and others. Uzb. geol. zhur. 7 no. 1:49 '63.
- KHANLAR (BAKU)—HEALTH RESORTS, WATERING PLACES, ETC.**
Treatment of gynecological diseases with sulfide water of the Shikhovo health resort (Baku). T. A. Bazlan. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:75-76 '63.
- KHARKOV—AUTOMOBILES—MODELS**
Automobile designed by students. A. Podrez. Za kul. 20 no. 5:28 My '62.
- KHARKOV—AUXILIARY POLICE**
Question of honor of each Soviet citizen. V. Mysnychenko. Rad. pravo no. 2:25-29 Mr-Apr '63.
- KHARKOV—COMMUNITY CENTERS, STUDENT**
A club of scientific cooperation. Komsom. zhizn' no. 6: 22-23 Mr '63.
- KHARKOV—CONCRETE PLANTS**
Modernizing multiple molds at the Kharkov Housing Construction Combine. M. G. Gun, I. S. Salenko, B. F. Troupanukhin. Bet. i zhel.-bet. 9 no. 3:112-114 Mr '63.
- KHARKOV—ELECTRIC EQUIPMENT INDUSTRY—PRODUCTION STANDARDS**
Increase work in establishing technical standards in an enterprise. Kh. Kacher. Soiz. trud 6 no. 4:24-25 Ap '63.
- KHARKOV—HISTORICAL RESEARCH**
Scholarly research of the history teachers of Kharkov University. V. N. Dvuhopol. Vop. ist. 38 no. 4:95-103 Ap '63.
- KHARKOV—LAW SCHOOLS**
Let us improve the practical work of law students. O. Nebotov. Rad. pravo no. 2:108-111 Mr-Apr '63.
Some forms of law teachers' contacts with practical workers. M. Haru. Rad. pravo no. 1:81-82 [Ja-F] '63.
- KHARKOV—MEDICINE**
Medical workers are competing. V. Voloshina, P. Gontar'. Sov. profsoyuz 19 no. 7:5 Ap '63.
- KHARKOV—REVOLUTION, 1917-1921**
Time of the establishment of Soviet rule in Kharkov. V. V. Farsobin. Ist. zap. 73:267-268 '63.
- KHARKOV—SOCIALIST COMPETITION**
Medical workers are competing. V. Voloshina, P. Gontar'. Sov. profsoyuz 19 no. 7:5 Ap '63.
- KHARKOV—TELEVISION—REPAIRING**
Television trouble. V. Nikol'skii. Ogonek 41 no. 13:27 Mr '63.
- KHARKOV—TEXTILE FACTORIES**
Honestly speaking... I. U. Grechanik. Mest. prom. i khud. promys. 4 no. 3:4-5 Mr '63.
- KHARKOV PROVINCE—COMMUNIST YOUTH LEAGUE**
Lenina's kyi komunistychnyi sohoz molodi Ukrainy. [Khar'kovskii oblastnoi komitet. [Formation and activities of the Communist Youth League in Kharkov Province, 1917-1920; documents and materials] Obrazovanie i delatelnost' komsomol'skoi organizatsii Khar'kovskikh, 1917-1920; dokumenty i materialy. [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1961. 428 p. (CS-11)]
- KHARKOV PROVINCE—CRIMINAL INVESTIGATION**
How the criminal investigators of the Office of the Public Prosecutor collaborate with the personnel of police stations. V. Chursin, A. Stremovskiy. Rad. pravo no. 2:89-101 Mr-Apr '63.

KHARKOV PROVINCE—JUVENILE DETENTION HOMES

Man with a capital letter. V. Kleitman. Shkola-int. no. 2:22-24 Mr-Apr '63.
What has left a lifelong memory. Petr Drozdruk. Shkola-int. no. 2:14-18 Mr-Apr '63.

KHARKOV REGION—ANTIQUITIES

Fishery among the population of an ancient Donetsk site between the eighth and the thirteenth centuries. B. A. Shramko, E. A. Tsepkin. Sov. arkhool. 7 no. 2:74-84 '63.

KHARKOV REGION—FISHERIES

Fishery among the population of an ancient Donetsk site between the eighth and the thirteenth centuries. B. A. Shramko, E. A. Tsepkin. Sov. arkhool. 7 no. 2:74-84 '63.

KHARTOUM—CITY TRAFFIC

On Khartoum streets. K. Kontin. Za rul. 31 no. 3: 32-3 of cover Mr '63.

KHATANGA VALLEY—GEOLOGY, STRUCTURAL

Block tectonics of the Anahar-Khatanga interfluvio. V. I. Rozenberg. Trudy NIIGA 132:63-60 '62.

KHATANGA VALLEY—WHITEFISHES

Materials on the biology and fishing of coregonids in the Khatanga basin. F. V. Lukhanchikov. Nauch. dokl. vuz. shkoly; biol. nauki no. 2:36-40 '63.

KHAYDAREN REGION—MINE SURVEYING

Geometric determination of the structure of the Khaydar-ken mercury deposit. I. N. Unbakov, N. I. Stoinin, V. N. Rybnikova. [Trudy] VNIMI no. 46:57-62 '62.

KHAZARS see subdivision under Volga Valley

KHERSON—COMBINES (AGRICULTURAL MACHINERY)

A "shipyard" of the "boats of the steppe." Dorys Sylin. Ukraina no. 7:25-28 Apr '63.

KHERSON PROVINCE—HEALTH RESORTS, WATERING PLACES, ETC.

Spa virgin land. I. Helousov. Okhr. trud. i otn. strakh. no. 4:22 Apr '63.

KHIBINY—NEPHELITE

Certain inclusions in the nephelines in rocks of the Khibiny and Lovozero alkali massifs. S. V. Ikonnik. Mat. po min. Kol'. poluost. 2:80-83 '62.

KHIBINY—ROCKS—ANALYSIS

Gas component and dispersed bitumens in rocks of the Khibiny Mountains. I. A. P'eterail'o. Mat. po min. Kol'. poluost. 2:74-78 '62.

KHIBINY MOUNTAINS—AMPHIBOLE

Alkali magnesite amphibole from the Khibiny Mountains. O. B. Dudkin. Mat. po min. Kol'. poluost. 2:107-110 '62.

KHIBINY MOUNTAINS—ENIGMATITE

New data on enigmatite from the Khibiny and Lovozero alkali massifs. Mat. po min. Kol'. poluost. 2:90-100 '62.

KHIBINY MOUNTAINS—SPREUSTEIN

Composition of apatite in the Khibiny Mountains. I. V. Kozlyeva. Mat. po min. Kol'. poluost. 2:114-122 '62.

KHIVA—ARCHITECTURE, MOHAMMEDAN

Dulatova, V. A., and I. I. Notkin. [Architectural monuments of Khiva; guidebook] Arkhitekturnye pamiatniki Khivy; putevoditel'. Tashkent, Gosizdat UzSSR, 1963, 64 p.

KHIVRENKO, IVAN KONSTANTINOVICH, 1890-1962

Ivan Konstantinovich Khivrenko; obituary. Elek. sta. 34 no. 2:60 F '63.

KHIZHNAK, IVAN LUKICH, 1893-

A communist does not retire. O. Spasnik. Mol. komm. no. 2:3-10 F '63.

KHMELETSKY PROVINCE—CONSERVATION OF NATURAL RESOURCES

Conservation of nature in the service of agriculture. S. D. Babishkin. Biol. v shkole no. 2:68-70 Mr-Apr '63.

KHMELETSKY PROVINCE—FARM MECHANIZATION—STUDY AND TEACHING

We help train machine operators. A. A. Ill'novich. Vest. vuz. shkoly 21 no. 3:76-77 Mr '63.

KHMELETSKY PROVINCE—VOCATIONAL EDUCATION

Improving the specialization of production instruction. G. I. Kobylitskii, D. I. Vozdiznakii. Shkola i prosv. 7 no. 4:52-55 Apr '63.

KHOMCHANKA, VASIL'

"It happened in May" by Vasil' Khomchanka. Reviewed by B. Bur'lan. Belarus' 20 no. 3:28 Mr '63.

KHOREZM PROVINCE—COTTON GROWING

The Khorezm cotton growers are storming the new frontiers. F. Shamaudinov. Nar. khoz. Uzb. 4 no. 1: 40-47 Ja '63.

KHRIPAN VALLEY—FROZEN GROUND

Heaving of soil. N. M. Stupina. Priroda 52 no. 3:127 '63.

KHRISTINOVKA DISTRICT—PARENTS' AND TEACHERS' ASSOCIATIONS

Parents' committees in schools are efficient helpers of the soviets. O. Kyrylenko. Rad. pravo no. 2:23-24 Mr-Apr '63.

KHURUSHCHEV, NIKITA SERGEEVICH, 1894-

"Building of communism in the U.S.S.R. and agricultural development." Vols. 4-5 by N. S. Khrushchev. Reviewed by P. Golubkov. Vop. ekon. no. 4:33-40 Apr '63.

KIBAL'CHICH, NIKOLAI IVANOVICH, 1854-1881

Ivashchenko, V. I. Mykola Kybal'chych. Kyiv, Molod', 1962, 193 p. (MII)

KIDNEYS

Effect of a urea load on the metabolism of some trace elements in the kidneys [with summary in English]. V. R. Soroka. Ukr. biokhim. zhur. 34 no. 6:834-839 '62.

Functional state of the kidneys during the treatment of patients with polyarthritis of various etiology in a health resort and outside it; preliminary report. B. A. Aliev. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:60-70 '59.

KIDNEYS—DISEASES

Degree of effectiveness of the Lorin-Epstein novocaine block in acute renal colic; second report [in Armenian with summary in Russian]. A. N. Tairov, N. M. Khanatiev. Azerb. med. zhur. no. 2:49-55 F '62.

Hemolytic reaction in hemorrhagic nephrosonephritis. A. D. Kalmykova, N. N. Kraminskaya, O. G. Vasilenko. Vop. virus. 7 no. 6:720-731 N-D '62.

Use of roserpine for a patient with thyrotoxicosis and chronic nephritis with a nephrotic component. M. A. Lilevits. Trudy MONIKI no. 5:231-232 '62.

Use of Sirok mineral water in pyelitis and pyelocystitis. B. I. Sultanov. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:139-142 '59.

KIDNEYS—TUBERCULOSIS

Tubercular bacillar nephritis [with summary in English]. N. B. Shelupak. Vrach. delo no. 3:8-11 Mr '63.

KIEV—AERONAUTICS—STUDY AND TEACHING

Without discontinuing work. M. Rzevskii, V. Dokin. Grahd. av. 20 no. 3:7 Mr '63.

KIEV—AMATEUR THEATRICALS

Meeting at the "Arsenal." Teatr 24 no. 3:105 Mr '63.

KIEV—BAR ASSOCIATIONS

Methodological advice for attorneys-at-law. A. Morkeas. Rad. pravo no. 2:111-113 Mr-Apr '63.

KIEV—CLOTHING INDUSTRY

Happy life of a young couple. L. Dalen. Ukraina no. 5: 3 Mr '63.

KIEV—CRIME PREVENTION

How a district court is trying to prevent criminal offenses. A. Vron's'kii. Rad. pravo no. 3:82-84 My-Je '62.

KIEV—DESCRIPTION

Dal'ternants, D. M., and M. F. Kozlova's'kii. [Chestnuts in bloom again...] Znovu tsytili' kashlany... Kyiv, Dorrzh. vyd-vo obrazovtvochoho mystetstva i muzychnoi lit-ry URSSR, 1960, [2] p. illus. [Parallel texts in Ukrainian and Russian]

KIEV—EDUCATION, COOPERATIVE

Meeters in a new workshop. Ukraina no. 4:2 F '63.

KIEV—HOSPITALS

From the editor's mail. Ukraina no. 5:28 Mr '63.

KIEV—INFLUENZA

Epidemiological and virological characteristics of influenza incidence in Kiev in January-March 1962 [with summary in English]. I. T. Tishchenko, N. P. Kornilushenko, L. N. Rybinskaia. Vrach. delo no. 3:105-107 Mr '63.

KIEV—NEWSPAPER AND PERIODICAL CIRCULATION

Enthusiasts of the Soviet press. S. Khudakov. Komm. Ukr. 38 no. 3:88-89 Mr '63.

KIEV—NOTARIES

In a notarial office. O. Kolhanova. Rad. pravo no. 2:132-133 Mr-Apr '63.

KIEV—ONCOLOGICAL SOCIETIES

Report on the work of the Kiev Scientific Society of Oncologists for 1961. I. F. Iunda. Klin. khir. no. 5: 94-95 My '62.

KIEV—OPERA

Guest appearances of the Kiev Opera. A. Orzenov. Sov. muz. 27 no. 4:101-105 Apr '63.

KIEV—SOVIETS

Sessions of the Kiev City Soviet; their organization and procedure. O. Hranin, M. I. Anyasheva's'kii. Rad. pravo no. 2:65-69 Mr-Apr '63.

KIEV—TIGERS

Arfitia was born in Kiev. Ukraina no. 5:32 Mr '63.

KIEV—VICTORIA REGINA

First flowering of Victoria regina in the Academician Fomin Botanical Garden. M. M. Prakhov. Vsiyky Kyiv, un. no. 3, Ser. biol. no. 1:168 '60.

KIEV—WALNUT

Changes in the catalase activity in aerial parts of walnut during the year. L. K. Polishchuk. Vsiyky Kyiv, un. no. 2, Ser. biol. no. 1:69-80 '59.

Seasonal changes in the activity of peroxidase in the aerial parts of the walnut. L. K. Polishchuk. Vsiyky Kyiv, un. no. 1, Ser. biol. no. 2:55-61 '58.

KIEV PROVINCE—BUCKWHEAT—DISEASES AND PESTS

Buckwheat diseases. B. N. Dubinevich. Zashch. rast. ot vred. i bol. 6 no. 6:25-28 Je '61.

KIEV PROVINCE—CITIES AND TOWNS

[Cities of Kiev Province and their future] Mista Kyivshchyny, ikh maibutnie. [By] O. Makhrachov, H. Makarenko, M. Khoruzheva's'kii. [Kyiv] Kyivs'ke oblasne knyazkovo-gazetne vyd-vo, 1962, 121 p.

KIEV PROVINCE—FIRES AND FIRE PREVENTION

Constantly working with people. V. Zamaraev. Pozh. delo 0 no. 3:27 Mr '63.

KIEV PROVINCE—FISHES—FOOD

Feeding habits of the young-of-the-year whitefishes in the ponds of Kiev Province during July and August of 1958. V. S. Rotova's'ka. Vsiyky Kyiv, un. no. 3, Ser. biol. no. 1:127-132 '60.

KIEV PROVINCE—FRUIT—DISEASES AND PESTS

Materials on the mycoflora of fruit and berry crops of Kiev Province. E. A. Vynohrads'ka. Vsiyky Kyiv, un. no. 1, Ser. biol. no. 2:19-25 '58.

KIEV PROVINCE—FUNGI, PHYTOPATHOGENIC

Buckwheat diseases. B. N. Dubinevich. Zashch. rast. ot vred. i bol. 6 no. 6:25-28 Je '61.

Materials on the mycoflora of fruit and berry crops of Kiev Province. E. A. Vynohrads'ka. Vsiyky Kyiv, un. no. 1, Ser. biol. no. 2:19-25 '58.

KIEV PROVINCE—STATE FARMS—ACCOUNTING

The journal-voucher accounting system on sugar beet state farms. I. S. Chupak. Uchet i fin. kolkhoz. i sov. khoz. 20 no. 3:12-14 Mr '63.

KIEV PROVINCE—WHITEFISHES

Feeding habits of the young-of-the-year whitefishes in the ponds of Kiev Province during July and August of 1958. V. S. Rotova's'ka. Vsiyky Kyiv, un. no. 3, Ser. biol. no. 1:127-132 '60.

KIEV REGION—GRAPES

Effect of microelements (Mn and B) on the dynamics of glutathione content in leaves and stems of the grapevine. S. I. A. Mininberg, B. P. Khomits'kii, M. M. Shatkov's'ka. Vsiyky Kyiv, un. no. 3, Ser. biol. no. 1:63-67 '60.

KILNS

(see also subdivision under White Russia)
Firing ceramic electrical engineering products without saggers. I. V. Dakino. Stek. i ker. 20 no. 3:37-38 Mr '63.

Increasing productivity of ring kilns and the quality of products. I. Zalka. Stl', bud. 12 no. 5:15-17 My '62.

KILNS—EQUIPMENT AND SUPPLIES

Cordierite kiln shelves made of refractory clays and magnesite. R. M. Zalons, G. F. Pankratova. Stek. i ker. 20 no. 3:23-28 Mr '63.

KILNS, ROTARY

New method of fastening the lining of rotary kilns. I. Davydovich. Prom. stroi. i inzh. soor. 5 no. 2:54-55 Mr-Apr '63.

Wear of aluminum silicate refractories in the lining of a rotary cement-roasting kiln. N. V. Il'ina, Kh. A. Khazanova. Trudy Giprotsement no. 24:92-102 '62.

KIMBERLITE see subdivision under Yakutia

KINDERGARTEN

Editor's mail. IE. Rudaleva. Doshk. vykh. 24 no. 3: 43 Mr '63.

From the diary of a teacher. Doshk. vosp. 36 no. 2:93 F '63.

Introduction and study of the "Educational program for kindergarten." Doshk. vosp. 36 no. 3:4 Mr '63.

Let's strengthen the new type kindergartens in every possible way. Doshk. vosp. 36 no. 2:1-3 F '63.

Pedagogics for small children. E. Radina. Doshk. vosp. 36 no. 2:27-32 F '63.

Russia (1917- R. S. F. S. R.) Tsentral'nyi nauchno-

metodicheskii kabinet po doshkol'nomu vospitaniiu.

[Games with rules in a kindergarten; collection of educational games and games of movement] Igra s pravilami v detskom sadu; sbornik didakticheskikh i podvlyznykh igr k "Programme vospitania v detskom sadu." Moskva, Uchpedgiz, 1962, 154 p.

- KINDERGARTEN (Continued)**
School of progressive pedagogical practice in a kindergarten. IU. Soboleva. Doshk. vykh. 24 no. 3:19-23 Mr '63.
We study the new program. Doshk. vykh. 24 no. 3:47 Mr '63.
- KINDERGARTEN—MUSIC**
Organizing and conducting music classes with preschool children. S. Morgut'ova. Doshk. vykh. 24 no. 1:26-27 Ja '63.
- KINDERGARTENS**
(see also subdivision under East Kazakhstan Province; Leningrad Province)
On the Druzhba Collective Farm. T. Bogdanova. Doshk. vosp. 36 no. 3:22-23 Mr '63.
Time does not wait. E. Panchenko. Doshk. vosp. 36 no. 3:23 Mr '63.
- KINESTHESIA** see Muscular sense
- KINGISEPP, VIKTOR EDUARDOVICH, 1888-1922**
"Living Kingisepp" by D. Rudnev. Reviewed by N. Khra-brova. Ogonek 41 no. 13:25 Mr '63.
- KINGISEPP DISTRICT (LENINGRAD PROVINCE)—FARM MECHANIZATION**
From the editor's mail. Agitator no. 14:60-61 Ji '62.
- KIRGHIZ LITERATURE—HISTORY AND CRITICISM**
For an active participation in creative life. T. Askarov. Vop. lit. 7 no. 2:65-70 F '63.
- KIRGHIZ RANGE—BIRDS**
Composition, abundance and distribution of the avifauna in the highland of the Kirghiz Range. A. A. Kuznetsov. Ornitologiya no. 4:237-255 '62.
- KIRGHIZISTAN—CLAY—ANALYSIS**
Mineralogical composition of the colored clays of northern Kirghizia. S. Moldobaev. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:128-139 '62.
- KIRGHIZISTAN—CLIMATE**
Data obtained from field studies of the climate in the various regions of Kirghizistan. P. N. Ponomarenko. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 4:27-37 '62.
- KIRGHIZISTAN—CZECHS**
"International help of the Czechoslovak proletariat to the peoples of the U. S. S. R." [in Slovak] by P. Pollak. Reviewed by M. N. Kuz'min. Ist. SSSR 7 no. 1:218-220 Ja-F '63.
- KIRGHIZISTAN—ECONOMIC GEOGRAPHY**
Economic and geographical studies of the Kirghiz S. S. R. M. Kartavov, K. Otorbaev. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 4:39-45 '62.
- KIRGHIZISTAN—FIELD CROPS**
Brief historical and geographical study of industrial crop cultivation in Kirghizistan during the prerevolutionary period. A. I. Isuev. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 4:57-71 '62.
- KIRGHIZISTAN—FIRES AND FIRE PREVENTION**
Growing and getting stronger. O. Turaliev. Pozh. delo 9 no. 4:30-31 Ap '63.
- KIRGHIZISTAN—HISTORIOGRAPHY**
"Brief history of the Soviet historiography of Kirghizistan, 1918-1980" by V. P. Sherstobitov, K. K. Orashev, D. P. Vinnik. Reviewed by B. V. Lunin. Ist. SSSR 7 no. 1:189-193 Ja-F '63.
- KIRGHIZISTAN—HYDROELECTRIC POWER STATIONS—COLD WEATHER CONDITIONS**
Winter operation of rural hydroelectric power stations in Kirghizistan. M. S. Ramazan. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:139-155 '62.
- KIRGHIZISTAN—IRRIGATION**
Organization and content of studies of the introduction of new irrigating equipment in Kirghizistan. M. I. Kaplin-ski. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:5-17 '62.
- KIRGHIZISTAN—IRRIGATION RESEARCH**
Defects in field studies of irrigation systems and ways to eliminate them. M. M. Kabanov. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:157-162 '62.
- KIRGHIZISTAN—LIBRARIES AND READERS**
Readers in every family! V. Krepak, E. Sokolova. Klub 12 no. 10:25-26 O '62.
- KIRGHIZISTAN—LOESS**
Deactivation of sulfate efflorescence on loess cracks. K. Shatemirov, S. F. Lozitskaya. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:85-92 '62.
- KIRGHIZISTAN—MINE WATER**
Mine water in coal deposits in Kirghizistan. V. K. Kadyrov, I. M. Naidich, S. M. Afanas'evskaya. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:117-127 '62.
- KIRGHIZISTAN—RIVERS**
Chezy and group roughness coefficients for mountain rivers of Kirghizistan. V. F. Talmazova. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:51-62 '62.
- Some indices of the yearly distribution of the discharge of Kirghiz rivers. V. G. Shpak. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:19-26 '62.
- KIRGHIZISTAN—SALTS**
Isotherm at 40° of the system consisting of calcium, sodium, chlorides, sulfates, water, and solid phases. I. G. Druzhinin, M. D. Lopina-Shendrik. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:61-80 '62.
- KIRGHIZISTAN—SLOVAKS**
"International help of the Czechoslovak proletariat to the peoples of the U. S. S. R." [in Slovak] by P. Pollak. Reviewed by M. N. Kuz'min. Ist. SSSR 7 no. 1:218-220 Ja-F '63.
- KIRGHIZISTAN—STREAM MEASUREMENTS**
Results of field studies of water losses in springs and channels in Kirghizistan. M. M. Kobakov. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:63-83 '62.
- KIRILLIN, VLADIMIR ALEKSEEVICH, 1913-**
Vladimir Alekseevich Kirillin on his 50th birthday. Inzh.-fiz. zhur. 6 no. 3:114-115 Mr '63.
- KIROV—AUTOMOBILE DRIVERS—EDUCATION AND TRAINING**
Good fortune of a teacher. V. Vatilesov. Za rul. 21 no. 3:6 Mr '63.
- KIROV—GROCERY STORES**
Municipal cooperative store takes care of its customers. A. Popov. Sov. potrebn. koop. 7 no. 3:26-27 F '63.
- KIROV—LIBRARIES**
Bibliographical and local lore work of the Kirov Province Library. V. N. Kolupaeva, I. N. Volkhuskain. Sov. bibl. no. 1:5-9 '63.
Work of the Kirov Province Library. A. N. Vanev. Bibliot. SSSR no. 2:18-33 '62.
- KIROV PROVINCE—DENTISTRY**
Third Provincial Conference of Stomatologists and Dentists in Kirov Province. Stomatologiya 41 no. 5: 107-108 S-O '62.
- KIROV PROVINCE—FARM BUILDINGS—COSTS**
Utilize all resources to cut building costs. T. Molodtsova. Stp. bud. 12 no. 5:10-20 My '62.
- KIROV PROVINCE—STOMATOLOGY**
Third Provincial Conference of Stomatologists and Dentists in Kirov Province. Stomatologiya 41 no. 5: 107-108 S-O '62.
- KIROVOGRAD—CRIME PREVENTION**
From the editor's mail. Agitator no. 15:61-64 Ag '62.
- KIROVOGRAD PROVINCE—AGRICULTURAL EXPERIMENT STATIONS**
Demonstration farms also mean model farms! S. Kobylkina, L. Tsalikov. Komsoz. zhizn' no. 3:15-17 Ju '62.
- KIROVOGRAD PROVINCE—AGRICULTURAL MACHINERY—STUDY AND TEACHING**
"A bad learner is a bad revolutionary." G. Malinchev. Sel. mekh. no. 1:20 Ja '63.
- KIROVOGRAD PROVINCE—CHILDREN'S MUSEUMS**
School museum dedicated to V. I. Lenin. G. Nastas'ev. Shkola-int. no. 2:5-8 Mr-Apr '63.
- KIROVOGRAD PROVINCE—EDUCATION, PRESCHOOL**
Conference of the preschool education workers of Kirovograd province. H. Strumilova. Doshk. vykh. 24 no. 3:46 Mr '63.
- KIROVOGRAD PROVINCE—FIELD CROPS**
Every hectare works for the harvest. O. Makhyn'ko. Nauka i zhizn' 12 no. 2:30-37 F '63.
- KIRSA RANGE—GEOCHEMICAL PROSPECTING**
Hydrochemical prospecting methods in taiga mountains. N. M. Rasskazov, I. U. S. Parilov. Trudy SNIIGIMS no. 25:171-177 '62.
- KISELEV, SERGEI VLADIMIROVICH, 1905-1962**
In memory of Sergei Vladimirovich Kiselev. T. S. Pasesek. Sov. arkh. 7 no. 2:3-11 '63.
- KISHINEV—AUDITING AND INSPECTION**
On the right path. V. Afanas'kin, V. Blashov. Fin. SSSR 37 no. 4:61-64 Ap '63.
- KISHINEV—COMMUNITY CENTERS**
For you, youth! M. Volutskaia. Klub 12 no. 10:20-22 O '62.
- KISHINEV—INTERNAL REVENUE**
On the right path. V. Afanas'kin, V. Blashov. Fin. SSSR 37 no. 4:61-64 Ap '63.
- KISHINEV—THEATER**
"Luchafarut." I. Uvarova. Teatr 24 no. 4:53-63 Ap '63.
- KISHLAK KADALY—BRACELETS**
Glass bracelets from Kadaly (from diggings in 1950-1961). F. L. Osmanov. Dokl. AN Azerb. SSR 19 no. 1:83-85 '63.
- KISLOVODSK—HEALTH RESORTS, WATERING PLACE ETC.**
Interpreting period of rheumatism in children and sanatorium-health resort treatment. R. S. Bulanzhskan. Med. sestra 21 no. 11:19-24 N '62.
- KISTOV, ALEKSANDR FEDOROVICH**
"At a lofty height" by B. Rudnik, I. Lianevskii. Reviewed by Georgii Kolesov. Teatr 24 no. 4:87-93 Ap '63.
- KIZIL KUM** see Kyzyl Kum
- KLECHKOVSKI, VSEVOLOD MAVRIKIEVICH, 1900-**
Moscow. Moskovskaya pol'akovskaya akademika akademika Ivan K. A. Tshirlyazeva. Vsevolod Mavrikievich Klechkovskii. Moskva, 1960. 45 p. (Uchenye Tshirlyazevskoi akademiki) (MII)
- KLYAZ'MA RESERVOIR—SEDIMENTS (GEOLOGY)**
Accumulation of recent sediments in the Pechorskye Klyaz'ma Reservoir. K. P. Savelyeva. Vop. glazolog. i inzh. geol. no. 39:156-163 '62.
- KLYSTRONS**
Frequency multiplier using a reflex klystron. L. A. Belov, M. V. Kapranov. Radiotekh. i elektron. 8 no. 4:600-611 Ap '63.
- KNIT GOODS**
Use of bulked loop yarn in the manufacture of knit goods. V. D. Golovats. Lezh. prom. no. 1:60-65 Ja-Mr '63.
- KNIT GOODS INDUSTRY**
(see also subdivision under "General"; Poland; White Russia)
Efficient utilization of raw materials in the knit goods industry. E. A. Sobolev. Tekst. prom. no. 2:23-28 F '63.
Seminar for the exchange of practices for the improvement of the quality and expansion of the assortment of knit goods. E. A. Sobolev. Tekst. prom. 23 no. 3: 55-57 Mr '63.
- KNITTING MACHINES**
(see also subdivision under Czechoslovakia)
Improved electric stay for the MSPN-16 knitting machine in case of broken plates and needle butt. V. I. Elisev, B. I. A. Repkin. Lezh. prom. no. 1:43-44 Mr-Ja '63.
Mechanism of the automatic addition of needles for mechanized flat rib knitting machines. B. A. Kuzin, I. M. Makshenko. Lezh. prom. no. 1:42-43 Ja-Mr '63.
Modification of the wavy-rib beam design for "Rashe" and "Rashal'-vertika" warp knitting machines. V. M. Unts'kiy. Lezh. prom. no. 1:44-45 Ja-Mr '63.
Morozova, G. P. [Knitting machines for the manufacture of artificial fur and other pile fabrics] Trilokaznye mashiny dlya vyrabotki iskusstvennogo mekha i drugih vorbovykh materialov. Moskva, Tsentr. biuro tekhn. informatsii, 1962. 22 p. (Seriya XII: Mashinostroeniye za rubezhom)
- [MICROFILM]
Ring knitting machines. Lezh. prom. no. 1:92-95 Ja-Mr '63.
Using the knitting method for the manufacture of lace, tulle, and curtains. E. G. Mazina. Tekst. prom. 23 no. 3:86-88 Mr '63.
- KNITTING MACHINES—TECHNOLOGICAL INNOVATIONS**
Proposals of efficiency promoters. D. M. Biblin and others. Lezh. prom. no. 1:50-56 Ja-Mr '63.
- KNOWLEDGE, THEORY OF**
"Concept of communication in Marxist philosophy" by I. I. Novinski. Reviewed by G. A. Strechbenko. Vop. filos. 17 no. 4:162-163 '63.
Reason and mind, and their functions in the cognitive process [with summary in English, p. 183]. P. V. Koplin. Vop. filos. 17 no. 4:64-75 '63.
"V. I. Lenin on the unity of knowledge and practice" by L. V. Skvortsov. Reviewed by N. I. Kirvalidze. Vop. filos. 17 no. 4:144-146 '63.
- KOBDO, MONGOLIA—DESCRIPTION**
Star of the Altai. D. Dandjadam. Sov. Mong. 7 no. 12: 16-19 D '62.
- KODAKS** see Cameras
- KODÁLY, ZOLTÁN, 1882-**
Program featuring Szymonowski and Kodály. I. Nest'ev. Sov. muz. 27 no. 3:75-76 Mr '63.
- KOHTLA-JARVE—INDUSTRIAL MANAGEMENT**
Potentials of an enterprise. P. Dmitriev. Fin. SSSR 37 no. 3:70-72 Mr '63.
- KOHTLA-JARVE—SLATE**
Potentials of an enterprise. P. Dmitriev. Fin. SSSR 37 no. 3:70-72 Mr '63.

KOJIBIOSE

Synthesis of kojibiose (α -1 \rightarrow 2-diglucoiside) under the action of an enzymic preparation from the liver. I.S. Lukomakina, G.I. Tarasova. Dokl. AN SSSR 140 no.4: 941-942 F '63.

KOKCHETAV PROVINCE—COOPERATIVE SOCIETIES
Those who stride ahead. M.I. Manov. Koop. Kazakh. 5 no.12:26-29 D '62.

KOKCHETAV PROVINCE—CROPS AND CLIMATE
Influence of natural conditions on the economic efficiency of land utilization. A.S. Popko. Dokl. TSKHA no.60: 185-190 '61.

KOKCHETAV PROVINCE—FOREST ECOLOGY
Interrelations between the forest and the steppe in the northern part of the peneplain of Kazakhstan. A.P. Iunovikov. Bot. zhur. 48 no.2:240-245 F '63.

KOKCHETAV PROVINCE—STEPPES
Interrelations between the forest and the steppe in the northern part of the peneplain of Kazakhstan. A.P. Iunovikov. Bot. zhur. 48 no.2:240-245 F '63.

KOLA—HISTORY
Founding of the city of Kola. I.P. Shanol'skil. Ist. zap. no.71:270-270 '62.

KOLA PENINSULA—APATITE
Accessory rare-earth silicate-apatite from pegmatites. N.I. Plotnina and others. Mat. po min. Kol'. poluost. 2:123-132 '62.

KOLA PENINSULA—DERYLL
Mineralogy of the processes of beryl alteration. I.M. Aver'ianova. Mat. po min. Kol'. poluost. 2:140-142 '62.

KOLA PENINSULA—GENTHELIVITE
Genthelivite from pegmatites in the Kola Peninsula. A.I.A. Luntz, E.P. Sal'dau. Zap. Vses. min. ob-va 92 no.1:81-84 '63.

KOLA PENINSULA—GRANITE
Akademiya nauk SSSR. Laboratoriya geologii dekabrii. [Granites of Karelia and the Kola Peninsula] Granity Kol'skogo poluostrova i Karelii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 336 p. (Izv. Trudy, no.16)
Anatase leucosome from gneissose granites in the central part of the Kola Peninsula. E.S. Antonuk. Mat. po min. Kol'. poluost. 2:140-151 '62.

KOLA PENINSULA—ILMENORUTILE
Find of iron ilmenorutile and some characteristics of the isomorphism of titanium, iron, niobium, and tantalum in the rutile group. V.V. Gordinenko, E.A. Kul'chitskaya. Mat. po min. Kol'. poluost. 2:133-139 '62.

KOLA PENINSULA—ISOMORPHISM
Find of iron ilmenorutile and some characteristics of the isomorphism of titanium, iron, niobium, and tantalum in the rutile group. V.V. Gordinenko, E.A. Kul'chitskaya. Mat. po min. Kol'. poluost. 2:133-139 '62.

KOLA PENINSULA—LAPPIISH LANGUAGE—DIALECTS
Structure of consonantal phonemes in the Voronin speech of the Kildin dialect of the Sami language. G.M. Kort, M.I. Matusevich. Uch. zap. LIZU no.314:10-37 '62.

KOLA PENINSULA—LEUCOXENE
Anatase leucosome from gneissose granites in the central part of the Kola Peninsula. E.S. Antonuk. Mat. po min. Kol'. poluost. 2:140-151 '62.

KOLA PENINSULA—PEGMATITES
Accessory rare-earth silicate-apatite from pegmatites. N.I. Plotnina and others. Mat. po min. Kol'. poluost. 2:123-132 '62.
Genthelivite from pegmatites in the Kola Peninsula. A.I.A. Luntz, E.P. Sal'dau. Zap. Vses. min. ob-va 92 no.1:81-84 '63.

KOLA PENINSULA—ROCKS, IGNEOUS
Differential intrusion in the Penskiye heights of the central part of the Kola Peninsula. I.A. Korovinikov, M.E. Iakovleva. Min. syr'e no.4:75-80 '62.

KOLAS, IAKUB, pseud. see Mitakovich, Konstantin
Mikhailovich, 1882-1958

KOLMOGOROV, ANDREI NIKOLAEVICH, 1903-
Andrei Nikolaevich Kolmogorov; on the occasion of his 60th birthday. B.V. Gnedenko. Mat. v shkole no.2: 87-88 Mr-Apr '63.

KOLOMNA—MACHINERY INDUSTRY—FIRES AND FIRE PREVENTION
Centennial of a plant. Pozh. delo 9 no.4:7 Ap '63.

KOL'TSOV, MIKHAIL EFIMOVICH, 1896-
"Mikhail Kol'tsov as writer of feuilletons" by A.K. Zhukova. Reviewed by A.Starkov. Vop. lit. 7 no.2: 225-226 F '63.

KOLYMA VALLEY—SWALLOWS
Swallows in Yakutia. V.D. Iakchontov. Priroda 62 no.4:114-115 '63.

KOMAROV, NIKOLAI STEPANOVICH, 1886-1963

In memory of Professor N.S. Komarov. Khol. tekhn. 40 no.2:71 Mr-Apr '63.

KOMI A. S. S. R.
Komii A. S. S. R. Verkhovnyi Sovet, [Jubilee session devoted to the 40th anniversary of the Komii Autonomous Soviet Socialist Republic, August 19, 1961] Iubileinaya sessiia posvashchennaya 40-letiu Komii Avtonomnoi Sovetskoi Sotsialisticheskoi Respubliki, 19 Avgusta 1961. Syktyvkar, Komii knizhnoe izd-vo, 1961. 211 p. (40 let Komii ASSR) (MH)

KOMI A. S. S. R.—AGRICULTURAL RESEARCH
Search in the north. Semen Novikov. Nauka i zhizn' 30 no.1:22-26 Ja '63.

KOMI A. S. S. R.—FORESTS AND FORESTRY
Akademiya nauk SSSR. Komii filial, Syktyvkar. [Forests and the lumbering industry in the Komii A. S. S. R.] Lesa i lesnaya promyshlennost' Komii ASSR. Pod obshchey red. V.A. Galas'eva. Moskva, Goslesbumizdat, 1961. 394 p. [DNAL MICROFILM]

KOMI A. S. S. R.—REFORESTATION
Pay more attention to reforestation in the Komii A. S. S. R. V. Modlanov. Les, khoz. 16 no.1:78 Ja '63.

KOMMUNAR—BLAST FURNACES—DESIGN AND CONSTRUCTION
The skip pit of a blast furnace at the Kommunar Metallurgical Plant. V. Reva, A. Piatkovskii. Prom. stroi. i inzh. soor. 5 no.2:18-19 Mr-Apr '63.

KOMODO ISLAND—LIZARDS
"Dragons" of Komodo Island. E.A. Maleev, I.S. Darevskii. Priroda 52 no.3:24-35 '63.

KOMSOMOLSK-ON-AMUR—SERVICE INDUSTRIES
In a young faraway city. V. Frants. Mest, prom, i khud. promysla, 4 no.3:14 Mr '63.

KONDRATOVICH, LUDWIK, 1823-1882
Wladyslaw Syrokomla and White Russian literature. A.I. Mal'dzia. Vestsi AN BSSR. Ser. hram. nav. no.1: 90-99 '63.

KONOTOP—MINING RESEARCH
Research Institute's address is the industrial plant. Mykhailo Halushko. Ukraina no.4:2 F '63.

KON-TIKI EXPEDITION, 1947
Heyerdahl, Thor. [The Kon-Tiki expedition. Aku-Aku. Translated from the English] Puteshestvie na "Kon-Tiki" Aku-Aku. Alma-Ata, Kazakhskoe gos. uchebno-pedagog. izd-vo, 1960. 576 p. (OCI)

KOPET-DAG—FORAMINIFERA, FOSSIL
Large Foraminifera in Eocene sediments of Kelyata (Kopet-Dag). A.P. D'Pina. Trudy VNIGRI no.186. Paleont. obozr. no.3:325-335 '62.

KOREA—WORLD WAR, 1939-1945
Vorontsov, V.B. [Korea in the plans of the U.S.A. during the Second World War] Koreia v planakh SSHA v gody Vtoroi Mirovoi volny. Moskva, Izd-vo vostochnoi lit-ry, 1962. 138 p.

KOREA, NORTH—ECONOMIC CONDITIONS
The years of rapid development. V. Tikhomirov. Agitator no.15:24-25 Ag '62.

KOREA, NORTH—GEOLOGY, STRUCTURAL
Some characteristics of the tectonics of the central and northern parts of the Heinnan trough (Korea). V.D. Sterkin. Sov. geol. 6 no.4:133-140 Ap '63.

KOREA, NORTH—TEXTILE FIBERS, SYNTHETIC
Manufacture of synthetic fibers in the Korean People's Democratic Republic. Tekst. prom. 23 no.4:11-14 Ap '63.

KOREA, SOUTH—FOREIGN RELATIONS—JAPAN
Military pact in the Far East. T. Zhukova. Mir. ekon. i mezhdunar. otn. no.4:106-107 '63.

KORETS DISTRICT—CRIME AND CRIMINALS
How the Soviet public has helped in the investigation of criminal offenses. O. Buiukov. Rad. pravo no.3:42-45 My-Je '62.

KORIN, DAVID DIMITRIEVICH, 1892-
About Pavel Korin. Vladimir Soloukhin. Ogonek 41 no.13:18 Mr '63.

KOROLENKO, VLADIMIR GALAKTIONOVICH, 1853-1921
Libraries in the life of V.G. Korolenko. T.G. Morozova. Bibliot. SSSR no.2:136-147 '62.
"V.G. Korolenko as editor" by B.D. Letov. Reviewed by E. Gibet. Vop. lit. 7 no.2:237-238 F '63.

KOROVIN, KONSTANTIN ALEKSEEVICH, 1861-1939
Korovin, Konstantin. [Life and works, letters, documents, and reminiscences] Zhizn' i tvorchestvo, pis'ma, dokumenty, vospominaniia. Sost. knigi i avtor monograficheskogo ocherka N.M. Moleva. Moskva, Izd-vo Akad. khudozh. SSSR, 1963. 561 p.

KORSH, FEDOR EVGEN'EVICH, 1843-1915

Dmitriev, N.K. Fedor Evgen'evich Korsh. [Moskva] Izd-vo Mosk. univ., 1962. 56 p. (Zamechatel'nye uchenye Moskovskogo universiteta) (NIC)

KORSUN'-SHEVCHENKOVSKIY DISTRICT—COLLECTIVE FARMS—INCOME DISTRIBUTION
Practice in introducing monetary wages on farms where individual production units operate on a business accounting basis. M. Burliat. Ekon. Rad. Ukr. no.2: 76-80 Mr-Apr '63.

KORSUN'-SHEVCHENKOVSKIY DISTRICT—SOVIETS
From the practice of standing committees. A. Strilets'. Rad. pravo no.3:30-31 My-Je '62.

KOSOV (STANISLAV PROVINCE)—FOLK ART, HUCUL
The depository of folk art in Kosov. O.H. Solomchenko. Nar. ivorch. ta etn. 6 no.4:86-91 O-D '62.

KOSTENKO, K. P.
"It happened in Krasnodon" by K.P. Kostenko. Reviewed by V. Boiko. Komgom. zhizn' no.2:31-32 Ja '62.

KOSTOMAROV, NIKOLAI IVANOVICH, 1817-1885
Shevchenko and Kostomarov. M. Matsapura. Ukraina no.6:18-19 Mr '63.

KOSTROMA PROVINCE—CHEMISTRY—STUDY AND TEACHING
Work of chemistry teachers in the Kostroma City and Kostroma Province schools. T.A. Iashkina. Khim. v shkole 18 no.2:23-26 Mr-Apr '63.

KOTSUBYNS'KYI, MYKHAILO, 1864-1913
Friendly words. P. Akhrymenka. Belarus' 20 no.4: 22 Ap '63.

KOUNRAD REGION—GRANITE—ANALYSIS
Chemistry of hydrothermal changes in granites of the Eastern Kounrad deposit. V.T. Pokalov. Min. syr'e no.5:47-55 '62.

KOVALEVSKII, ALEKSANDR ONUFRIEVICH, 1840-1901
I.I. Mechnikov and A.O. Kovalevskii and plant protection. E.V. Zverezomb-Zubovskii. Zashch. rast. ot vred. i bol. 6 no.11:58-61 N '61.

KOVIN'KA, OLEKSANDR IVANOVYCH, 1890-
"Don't tell, don't say it" by Oleksandr Kivin'ka. Reviewed by Mykhailo Bilets'kyl. Ukraina no.6:16 Mr '63.

KOVROV—MOTORCYCLE RACING
Victory of Kovrov sportsmen. I. Churkin. Za rul. 20 no.5:22-23 My '62.

KOZACHENKO, VASYL', 1913-
A writer hardened in battles. Dmytro Hryn'ko. Ukraina no.6:7 Mr '63.

KOZIN, NIKOLAI IVANOVICH, 1882-
Seventy-fifth birthday of N.I. Kozin. Masl. i zhir, prom. 28 no.3:47 Mr '63.
Seventy-fifth birthday of Nikolai Ivanovich Kozin, Honored Worker in Science and Technology of the R.S.F.S.R. Sov. torg. 36 no.2:58 F '63.

KOZLOV, VASILII PAVLOVICH, 1911-1963
Vasilii Pavlovich Kozlov; obituary. Geol. nefi i gaza 7 no.3:82-83 Mr '63.

KRAMATORSK—COMMUNITY CENTERS
When they say "thanks" to the community center. V. Shvertsalt. Klub 12 no.10:6-7 O '62.

KRASNOARMEYSKIY DISTRICT (DONETSK PROVINCE)—COAL MINES AND MINING
Moekalenko, A.Z. [Lights on the headframes; story of a mine of communist labor] Volni na koprah; razpovid' pro shakhtu komunistychnoi pratsi. Kyiv, Derzhpolitytdav, URSR, 82 p.

KRASNODAR—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK
Zaborakii, V.V. [Man's high principles appear in his work] Idinoi cheloveka v ego delakh. Moskva, Izd-vo "Sovetskaya Rossiya," 1962. 92 p. (Resheniya XXII s'ezda KPSS - v zhizn')

KRASNODAR—GRAIN HANDLING
Reducing the loss of corn seed at the Krasnodar Milling Combine. N. Strel'tsov. Muk. -elev. prom. 29 no.1: 24-25 Ja '63.

KRASNODAR—INFLUENZA
Characteristics of influenza in Krasnodar in 1959. L.I. Nekliudova and others. Vop. virus. 7 no.6:738 N-D '62.

KRASNODAR TERRITORY—AERONAUTICS IN AGRICULTURE
Reap as you have sown. I. Riazanov. Grazhd. av. 20 no.1:8-9 Ja '63.

KRASNODAR TERRITORY—COOPERATIVE SOCIETIES
Progressive experience should be disseminated among all cooperative society workers. P. Kolesnikov. Sov. potreb. koop. 7 no.2:11-13 F '63.

- KRASNODAR TERRITORY—EDUCATION, COOPERATIVE**
Industrial training in Krasnodar Territory. N. I. Kalugin. Shkola i proizv. 7 no. 2:29-30 F '63.
- KRASNODAR TERRITORY—FOLK SONGS**
Mosolov, A., comp. [Songs of Krasnodar Territory] Pesni Krasnodarskogo kraia. Pod red. S. Aksutka. Moskva, Sovetskii kompozitor, 1959. 32 p. (InU)
- KRASNODAR TERRITORY—SCYTHIAN ANTIQUITIES**
Gold plaque from the Karagodeushkh burial mound. A. Mantsevich. Soob. Gos. Erm. no. 23:41-43 '62.
- KRASNODAR TERRITORY—TEA**
Studying the rolling process without pressing in the tea factories of Krasnodar Territory. I. A. Pomazanov, A. A. Balukova, V. I. Racheva. Biokhim. chain. proizv. no. 9:137-143 '62.
- KRASNODAR TERRITORY—TEA—STORAGE**
Change in the quality of Krasnodar tea during storage. I. A. Pomazanov and others. Biokhim. chain. proizv. no. 9:158-166 '62.
- KRASNODARSK—FOOD RESEARCH**
Laboratory of Meat Technology of the Krasnodarsk Scientific Research Institute of the Food Industry. V. Ochakovskii, G. Tarasova. Mias. ind. SSSR 33 (i.e. 34) no. 2:16-17 '63.
- KRASNODARSK—WINE AND WINE MAKING—RESEARCH**
Thirty-fifth anniversary of the research work of the Department of Winemaking Technology of the Krasnodarsk Institute of the Food Industry. G. G. Agabal'tants. Trudy KIPP no. 22:3-15 '61.
- KRASNODON—COAL MINES AND MINING**
On a difficult ledge. Smena 39 no. 12:3-4 Je '62.
- KRASNOKAMSK—WOODPULP INDUSTRY**
[Twenty-fifth anniversary of the Kama Woodpulp and Paper Combine] Kamskii tsellulozno-bumazhnyi kombinat; 25 let. [Perm'] Permskoe knizhnoe izd-vo, 1962. 119 p. (MICROFILM)
- KRASNOYARSK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION**
Economical wide-span elements. E. Korolev, M. Kornev. Na stroi. Ros. 4 no. 4:4-5 Ap '63.
- KRASNOYARSK—CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY**
New methods for studying and analyzing working time at Krasnoyarsk construction projects. I. A. Chernavskii. Ekon. stroi. no. 4:34-38 Ap '63.
- KRASNOYARSK—CONTAINER INDUSTRY**
Investigating the work of container shops in the Krasnoyarsk Logging Camp. I. N. Timoshenko. Trudy Ural. lesteekh. inst. no. 17:5-8 '60.
- KRASNOYARSK—HYDROELECTRIC POWER STATIONS**
Welding of bridge construction spans for the Krasnoyarsk Hydroelectric Power Station. D. P. Kheifits. Avtom. svar. 16 no. 4:63-64 Ap '63.
- KRASNOYARSK—LIBRARIES**
Lenin visited these libraries. M. Burenkova. Bibliotekar' no. 4:6-8 Ap '63.
- KRASNOYARSK—MACHINERY INDUSTRY**
The Siberian Heavy Machinery Plant during the years of the Great Patriotic War, 1941-1945. I. M. Kurayeva. Trudy Sib. tekhn. inst. no. 30:88-91 '61.
- KRASNOYARSK—REVOLUTION, 1917-1918**
Krasnoyarsk. Kraevoi Gosudarstvennyi arkhiv. [The Krasnoyarsk Soviet, March, 1917-June, 1918; collected documents of the proceedings and decisions of the congresses of the Soviets, the plenary sessions, and the executive committee and its departments] Krasnoyarskii Sovet, mart 1917 g. - iyun' 1918 g.; protokoly i postanovleniia s'ezdov Sovetov, plenunov, ispolkoma i otdelov. Sbornik dokumentov. Krasnoyarsk, 1960. 581 p.
- KRASNOYARSK—SHIPYARDS—AUDITING AND INSPECTION**
Watch working hours. I. A. Chernavskii. Komsom. zhizn' no. 2:7-8 Ja '62.
- KRASNOYARSK HYDROELECTRIC POWER STATION**
Glory to the conquerors of the Yenisei! Irina Levchenko. Ogonek 41 no. 14:1-5 Mr '63.
- The Krasnoyarsk Hydroelectric Power Station on the Yenisei. S. S. Agalakov. Gidr. stroi. 33 no. 2:2-10 F '63.**
- To the Central Committee of the Communist Party of the Soviet Union, the Council of Ministers of the U.S.S.R. and Comrade Nikita Sergeevich Khrushchev. Gidr. stroi. 33 no. 4:2 of cover Ap '63.**
- KRASNOYARSK TERRITORY—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR**
Some problems in the organization of machine repairing at repair and supply stations and on state farms. V. I. Belov. Trudy Kras. SKHI 3 no. 1:316-321 '60.
- KRASNOYARSK TERRITORY—AGRICULTURE**
From the history of the struggle of the Krasnoyarsk party organization for agricultural aid in 1942-1944. I. P. Kleinosov. Trudy Sib. tekhn. inst. no. 30:57-67 '61.
- KRASNOYARSK TERRITORY—CAST IRON—METALLURGY**
Some considerations on the metallurgy of cast iron and steel in Krasnoyarsk Territory. A. K. Volchokov. Trudy Kras. SKHI 3 no. 1:277-288 '59.
- KRASNOYARSK TERRITORY—COAL GASIFICATION**
Gasification of Krasnoyarsk brown coal. I. E. Popovskii. Trudy Kras. SKHI 3 no. 1:280-296 '59.
- KRASNOYARSK TERRITORY—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**
From the history of the struggle of the Krasnoyarsk party organization for agricultural aid in 1942-1944. I. P. Kleinosov. Trudy Sib. tekhn. inst. no. 30:57-67 '61.
- Strengthening the collective and state farms of the Krasnoyarsk Territory with personnel during the sharp upsurge of agriculture in 1953-1958. Trudy Sib. tekhn. inst. no. 30:92-108 '61.**
- KRASNOYARSK TERRITORY—COMMUNIST YOUTH LEAGUE**
The Krasnoyarsk Territory Communist Youth League as an active participant in the industrialization of the country, 1926-1940. L. P. Pyl'tayna. Trudy Sib. tekhn. inst. no. 30:23-66 '61.
- KRASNOYARSK TERRITORY—COPPER ORES**
Distribution of endogenic copper mineralization in the southern part of Krasnoyarsk Territory. A. S. Iarmolenko. Trudy SNIIGIMS no. 25:3-23 '62.
- KRASNOYARSK TERRITORY—CORN (MAIZE)**
Results of continuous practices in chemical weed control in corn fields of the Krasnoyarsk forest-steppe. N. M. Malboroda, B. A. Korolov. Trudy Kras. SKHI 3 no. 1:239-242 '59.
- KRASNOYARSK TERRITORY—CORN (MAIZE)—FERTILIZERS AND MANURES**
Growth of corn after the application of fertilizers. N. M. Malboroda. Trudy Kras. SKHI 3 no. 1:243-247 '59.
- KRASNOYARSK TERRITORY—FARM MANAGEMENT**
Strengthening the collective and state farms of the Krasnoyarsk Territory with personnel during the sharp upsurge of agriculture in 1953-1958. Trudy Sib. tekhn. inst. no. 30:92-108 '61.
- KRASNOYARSK TERRITORY—FEEDS—COMPOSITION**
Effect of soil and climatic conditions on the mineral composition of feeds in Krasnoyarsk Territory. I. P. Ipatov, N. A. Tokovoi, G. E. Zolotukhin. Trudy Kras. SKHI 3 no. 1:39-47 '59.
- Mineral composition of forage plants in Krasnoyarsk Territory. P. P. Ipatov, N. A. Tokovoi, G. E. Zolotukhin. Trudy Kras. SKHI 3 no. 1:28-38 '59.**
- KRASNOYARSK TERRITORY—GAS PRODUCERS**
Cyclone gas generators for the use of local fuels in the production of power and chemicals. I. E. Popovskii. Trudy Kras. SKHI 3 no. 1:297-300 '59.
- KRASNOYARSK TERRITORY—INDUSTRIES**
The Krasnoyarsk Territory Communist Youth League as an active participant in the industrialization of the country, 1926-1940. L. P. Pyl'tayna. Trudy Sib. tekhn. inst. no. 30:23-66 '61.
- KRASNOYARSK TERRITORY—LABOR TURNOVER**
Reducing labor turnover is the important potential for increasing labor productivity. V. Patrushev, G. N. Sushilov. Trudy Sib. tekhn. inst. no. 30:126-138 '61.
- KRASNOYARSK TERRITORY—MAGNETIC ANOMALIES**
Causes of reversal magnetic anomalies in the Maymecha-Kotuy region. B. V. Gusev. Trudy NIIGA 132:56-62 '62.
- KRASNOYARSK TERRITORY—PYROPE**
Pyropes in Devonian sedimentary rocks of the Rybinsk trough. A. V. Krinkov. Trudy SNIIGIMS no. 25:31-35 '62.
- KRASNOYARSK TERRITORY—ROAD CONSTRUCTION**
The machinery is in reliable hands. I. Gavrilov, A. Vinarov. Avt. dor. 26 no. 2:7-8 F '63.
- KRASNOYARSK TERRITORY—SEABUCKTHORN**
Biological and agricultural characteristics of seabuckthorn. N. S. Simakov. Trudy Kras. SKHI 3 no. 1:253-264 '59.
- KRASNOYARSK TERRITORY—SNIPES**
Biology of the forest snipe in central Siberia. R. L. Naumov. Ornitologia no. 4:160-168 '62.
- KRASNOYARSK TERRITORY—SOILS**
Project of soil zoning in Krasnoyarsk Territory: tundra, taiga, and subtaiga. Report No. 1. M. V. Kirillov, P. S. Bugakov. Trudy Kras. SKHI 3 no. 1:218-231 '59.
- KRASNOYARSK TERRITORY—STATE FARMS—MANAGEMENT**
Untapped potentials of state farms in Krasnoyarsk Territory. A. N. Herzhimoi. Trudy Kras. SKHI 3 no. 1:277-288 '59.
- KRASNOYARSK TERRITORY—STEEL—METALLURGY**
Some considerations on the metallurgy of cast iron and steel in Krasnoyarsk Territory. A. K. Volchokov. Trudy Kras. SKHI 3 no. 1:277-288 '59.
- KRASNOYARSK TERRITORY—TELEVISION PROGRAM CASTING**
And how is it with you? V. Irmolnakh. Sov. radio 11 no. 11:22 N '62.
- KRASNOYARSK TERRITORY—TILLAGE**
Basic soil cultivation system. N. V. Skladnev. Trudy Kras. SKHI 3 no. 1:202-207 '59.
- KRASNOYARSK TERRITORY—WEED CONTROL**
Clearing fields of weeds as an important condition for increasing the productivity and grain yields of crops. N. V. Skladnev, V. E. Egorov, V. I. Iliash. Trudy Kras. SKHI 3 no. 1:208-217 '59.
- Results of continuous practices in chemical weed control in corn fields of the Krasnoyarsk forest-steppe. N. M. Malboroda, B. A. Korolov. Trudy Kras. SKHI 3 no. 1:239-242 '59.**
- KRASNOYE LAKE REGION (LENINGRAD PROVINCE)—EARTH—SURFACE**
Characteristics of the radiation regime on water and land surfaces. G. M. Bagrova. Izv. Vses. geofiz. obs. 55 no. 1:41-40 Ja-F '63.
- KRASNOYE LAKE REGION (LENINGRAD PROVINCE)—RADIOACTIVITY—MEASUREMENT**
Characteristics of the radiation regime on water and land surfaces. G. M. Bagrova. Izv. Vses. geofiz. obs. 55 no. 1:41-40 Ja-F '63.
- KRASNOYE SELO—CITY PLANNING**
Krasnoye Selo. P. P. Efremov. Stroitel'stvo, 11 no. 12:10-12 D '62.
- KREIN, IULIAN GRIGOR'EVICH, 1913-**
I. G. Krein on his 50th birthday. Anatoli Aleksandrov. Sov. muz. 27 no. 3:140-142 Mr '63.
- KRIVOY ROG BASIN—BLASTING**
Practice of charging upward holes in the Krivoy Rog mine. P. I. Onulenko and others. Gorn. zhur. no. 63-64 Mr '63.
- KRIVOY ROG BASIN—EARTH TEMPERATURE**
Value of the geothermal gradient for the Krivoy Rog Basin. D. Z. Gel'man, A. P. Ivanov. Sbor. nauch. tr. Kriv. fil. IGD AN URSR no. 1:46-48 '62.
- KRIVOY ROG BASIN—HORNFELS**
New stones for ornamental objects. V. F. Petrus. Poroda 52 no. 3:114-115 '63.
- KRIVOY ROG BASIN—IRON MINES AND MINING**
Reducing general mine depression. I. A. Red'ko. Spos. truda v prom. 6 no. 9:19-20 S '62.
- Study of new systems of developing and working single blocks as an effective means of controlling mine dust. D. Z. Gel'man, F. Z. Frenkel'. Sbor. nauch. tr. Kriv. fil. IGD AN URSR no. 1:67-71 '62.**
- KRIVOY ROG BASIN—MINE DUSTS—PREVENTION**
Controlling dust in workings on the haulage horizon of the New K. Libknekht Mine. I. P. Nikitin, A. V. Dubinin, N. F. Kuprik. Sbor. nauch. tr. Kriv. fil. IGD AN URSR no. 1:10-22 '62.
- Practice of controlling dust in the air of the Tsel'nykh and Ingulets Mines. A. M. Baluta. Sbor. nauch. tr. Kriv. fil. IGD AN URSR no. 1:12-18 '62.**
- KRIVOY ROG BASIN—MINE VENTILATION**
Ways of improving the ventilation of shafts and blocks in working layers in double levels. V. V. Nedel' and others. Sbor. nauch. tr. Kriv. fil. IGD AN URSR no. 1:49-57 '62.
- KRIVOY ROG BASIN—MINERS—SONGS AND MUSIC**
Present-day public holidays and miners' festival in the Krivoy Rog Basin. V. V. Mironov. Nar. tvorch. URSR 6 no. 4:30-36 O-D '62.
- KRIVOY ROG BASIN—MINING ENGINEERING—SAFETY MEASURES**
Eliminate causes of accidents in mine construction in the Krivoy Rog Basin. V. N. Burlakov. Spos. truda v prom. 6 no. 9:11-12 S '62.
- KRIVOY ROG BASIN—ORE DEPOSITS**
New type of hydrothermal mineralization in the Ingulets region. F. I. Soloviova. Gorn. zhur. 11 no. 1:84-88 '63.
- KRIVOY ROG BASIN—ORE DRESSING**
Improving the technology of secondary ore crushing in Krivoy Rog Basin mines. S. A. Deltayn, L. T. Shipilov. Met. i gornorud. prom. no. 1:42-48 Ja-F '63.

KRIVOY ROG BASIN—ORES—SAMPLING AND ESTIMATION

Ore-testing stations are needed at mining and ore dressing combines of the Krivoy Rog Basin. V. A. Chumakov, V. A. Kupovets, *Gor. zhur.* no. 3:75 Mr '63.

KRIVOY ROG BASIN—ROCKS, CRYSTALLINE AND METAMORPHIC

Stratigraphic and structural position of metamorphic rocks in the western Annovka belt of the northern Krivoy Rog Basin. V. M. Kobzar, *Geol. zhur.* 23 no. 1: 65-72 '63.

KRIVOY ROG BASIN—SHAFT SINKING

Ukrainian school of progressive practices in the Krivoy Rog Basin vertical shaft sinking. Met. i gornorud. prom. no. 1:81-82 Ju-F '63.

KROLOVETS—LAW—STUDY AND TEACHING

A "university of socialist legality" in Kirovets. V. Kolmakov, *Sots. zakon.* 30 no. 7:60-61 Ji '62.

KRUCHOK, TAMARA IAKOVLEVNA, 1897-1922

T. Ia. Kruchok, a woman member of the revolutionary underground of Bessarabia, V. N. Lungu, *Trudy GIKM za 1960/33-42.*

KRUCZKOWSKI, LEON, 1890-

Memories of a play performance. S. Popivskii, *Teatr* 24 no. 3:100-110 Mr '63.

KRUPSKAIA, NADEZHDA KONSTANTINOVNA, 1899-1939

Favorite song, S. D. Sov. muz. 27 no. 4:11-12 Ap '63. Tenth volume of N. K. Krupskaya's works. A. Kondakov, *Nar. obr.* no. 4:109-112 Ap '63.

KRUTINKA DISTRICT—AGRICULTURAL WORKERS

House at the crossroads, *Sineta* 30 no. 12:2-3 Je '62.

KRUZENSHTERN, IVAN FEDOROVICH, 1770-1840

Chukovskii, N. K. [The captains of frigates; a book about great navigators] *Voditoli fragatov; kniga o velikikh moreplavatel'nikh.* Moskva, Gos. izd-vo det'skoi lit-ry, 1959. 478 p. (Shkol'nna biblioteka) (CoU)

KRYLOU, ULADZIMIR IVANAVICH, 1903-

Uladzimir Ivanavich Krylou, on his 60th birthday and his 30 years in teaching and research. M. Larulin, A. Ivanov, N. Kodn, *Vestnik AN BSSR, Ser. fiz.-tekhn. nauk*, no. 1:120 '63.

KRYMSKAYA—CANNING INDUSTRY

Construction of a cold storage attached to the Krymskaya Canning Combine. I. M. Gindlin, *Khol. tekhn.* 40 no. 2: 70 Mr-Apr '63.

KRYMSKAYA—COLD STORAGE WAREHOUSES

Construction of a cold storage attached to the Krymskaya Canning Combine. I. M. Gindlin, *Khol. tekhn.* 40 no. 2: 70 Mr-Apr '63.

KUBAN—COLLECTIVE FARMS

Sell us a helicopter. A. Topchilov, *Grazhd. av.* 20 no. 1:10-11 Ja '63.

KUBAN—COLLECTIVE FARMS—COSTS

Ways to reduce the production costs of grain in the Kuban. I. Kuvshinov, D. Pis'mennaya, *Ekon. sel'khoz.* 34 no. 3:16-23 Mr '63.

KUBAN—FARM MECHANIZATION

Production should be abundant and inexpensive. V. Svatchnyi, V. Pervitskii, *Part. zhizn'* no. 8:37-43 Ap '63.

KUBAN—GAS, NATURAL—GEOLOGY

New buried anticlinal zone in the Kuban. V. I. Korneev, *Geol. nefit i gaz* 7 no. 3:32-35 Mr '63.

KUBAN—GRAIN

Ways to reduce the production costs of grain in the Kuban. I. Kuvshinov, D. Pis'mennaya, *Ekon. sel'khoz.* 34 no. 3:16-23 Mr '63.

KUBAN—HISTORY

Eliseev, Fedor, [The Lapa Regiment and the last days in the Kuban, 1920] *Labinay i poslednie dni na Kubani, 1920 g.* New York. Vols. 1-3, 1962, maps, (MH)

KUBAN—INLAND WATER TRANSPORTATION

Work contribution of the Kuban Basin transportation employees. P. D'inkonov, *Rech. tranap.* 22 no. 4:6 Ap '63.

KUBAN—PETROLEUM GEOLOGY

New buried anticlinal zone in the Kuban. V. I. Korneev, *Geol. nefit i gaz* 7 no. 3:32-35 Mr '63.

KUBAN—WATER SUPPLY

Mitrofanov, V. P. [Life-giving waters of the Kuban; construction of the Kuban-Kalaus Irrigation and Water Supply System] *Zhivitel'nye vody Kubani; o stroitel'stve Kuban'-Kalausko obvodnitoi no-orositel'noi sistemy.* Cherkessk, Karachaevo-Cherkesskoe knizhnoe izd-vo, 1962. 39 p.

KUBAN—WHEAT—VARIETIES

What the scientists are working on at present. P. Luk'lanenko, *Grazhd. av.* 20 no. 1:10 Ja '63.

KUBAN VALLEY—GAS, NATURAL—PIPELINES

Construction of a gas pipeline in the form of a self-supporting pipe. V. A. Danilov, V. P. Supukarev, *Stroitel'stvo* 8 no. 4:23-24 Ap '63.

KUBAN VALLEY—MORAINES

Upper Pleistocene of the Teberda and Kuban Valleys. A. V. Kozhevnikov, *Bliz. Kom. chetv. per.* no. 27:34-60 '62.

KUBAN VALLEY—TERRACES (GEOLOGY)

Upper Pleistocene of the Teberda and Kuban Valleys. A. V. Kozhevnikov, *Bliz. Kom. chetv. per.* no. 27:34-60 '62.

KUDRIAVTSEV, PETR FILIPPOVICH, 1863-1935

P. F. Kudriavtsev (1863-1935). L. N. Lavrova, *Zdrav. Roa. Feder.* 7 no. 2:30-31 F '63.

KUGURESITY—ANTIQUITIES

A treasure of 15th century coins and other objects in Kuguresity. V. I. Markevich, L. L. Polevoi, Sh. R. Fin, *Trudy GIKM za 1960/75-112.*

KUKHARKOV, NIKOLAI NIKANOROVICH, 1897-1963

In memory of N. N. Kukharkov, *Biblioteka* no. 4:64 Ap '63.

Nikolai Nikanorovich Kukharkov, *Poligr. profiz.* no. 3: 40 Mr '63.

Nikolai Nikanorovich Kukharkov; obituary. *Sov. bihi.* no. 1:3-4 '63.

KULAKOUSKI, ALIAKSEI, 1913-

"Meetings at the crossroads" by Aliaksei Kulakouski. Reviewed by I. A. Hertsovich, *Belarus'* 20 no. 4:28 Ap '63.

KULESHOV, DMITRI IAKOVLEVICH, 1903-1962

Dmitri Iakovlevich Kuleshov; obituary. *Torf. prom.* 40 no. 3:40 '63.

KULUNDA STEPPE—SUNFLOWERS

Sunflower growing in the "Put' k komunizmu" collective farm of the Kulunda Steppe. P. F. Manzhos, *Masl. - zhir. prom.* 20 no. 2:4 F '63.

KUNGRAD DISTRICT—STOCK AND STOCKBREEDING

This is profitable! M. Scheslenok, *Nar. khoz. Uzb.* 6 no. 2:34-35 F '63.

KUNOUR DISTRICT—SCHOOL SUPERVISION

Methodological study rooms organized by common effort. A. Titkov, *Nar. obr.* no. 4:25-28 Ap '63.

KUPALA, IANKA, pseud. see Lutsevich, Ivan

Domnikovich, 1882-1942

KUPAVNA—PARKS

How we saved our grove. N. Flerov, *Sov. deput. trud.* no. 4:75-76 Ap '63.

KURA LOWLAND—GAS, NATURAL—GEOLOGY

Seismic studies in the northwestern part of the Shirvan Steppe of Azerbaijan. V. A. Levi, B. D. Trebukova, *Geol. nefit i gaz* 7 no. 3:56-61 Mr '63.

KURA LOWLAND—PETROLEUM GEOLOGY

Seismic studies in the northwestern part of the Shirvan Steppe of Azerbaijan. V. A. Levi, B. D. Trebukova, *Geol. nefit i gaz* 7 no. 3:56-61 Mr '63.

KURA RIVER

Methodology for formulating future water supply balances based on the example of the Kura River. G. G. Svandza, I. I. Mochilov, *Trudy Inst. energ. AN Gruz. SSR* 16:31-46 '62.

KURAMA RANGE—BLASTING

Using slim holes to break ore in the Altyn-Topkan Mine. K. N. Petrov, I. G. Orlov, *Gor. zhur.* no. 3:37-40 Mr '63.

KURAMA RANGE—MINERALOGY

Some data on the Pre-Upper Permian post-igneous activity in the eastern part of the Kurama Range. O. I. Chernykh, *Uzb. geol. zhur.* 7 no. 1:38-40 '63.

KURDAY—COOPERATIVE SOCIETIES

The board of directors reports. I. Zavodovskii, *Koop. Kazakh.* 5 no. 11:41 N '62.

KURDAY DISTRICT—STOCK AND STOCKBREEDING

Lenin rooms on collective farms. A. Andreev, *Part. zhizn'* Kazakh, 33 no. 3:53-55 Mr '63.

KURDISH LANGUAGE—VERB

Avaliani, Iu. Iu. [Materials on the compound verb in Kurdish] *Materialy po slozhnomu glagolu kurdsogo iazyka.* Samarkand, Izd-vo Samarkandskogo gos. univ. im. Alishera Navoi, 1962. 97 p.

KURDS—MARRIAGE CUSTOMS AND RITES see sub-division under Turkmenistan

KURGAL'DZHINO PRESERVE—BIRDS

Winter ornithofauna in the area of Kurgal'dzhino Preserve. I. A. Krivitskii, *Ornitologia* no. 4:208-217 '62.

KURGAN PROVINCE—FARM MECHANIZATION—AUDITING AND INSPECTION

What a surprise inspection showed. P. Ivanov, L. Prudnikov, *Komsom. zhizn'* no. 2:12-14 Ja '62.

KURGAN PROVINCE—FOREST INFLUENCES

Land improving effect of steppe woods in the north-western zone of virgin lands. V. M. Plestov, *Trudy Ural. lesotekh. inst.* no. 17:98-100 '60.

KURGAN PROVINCE—GRAIN—HARVESTING

Skill of machine operators. P. Lekanov, *Tekh. v sel'khoz.* 23 no. 1:8-11 Ja '63.

KURNAKOV, GEORGI VASIL'EVICH, 1887-

Prominent Ukrainian landscape painter. M. Davydov, *Iskusstvo* 26 no. 2:41-43 '63.

KURNAKOVITE

Kurnakovite. P. E. Rza-zade, M. I. Zargarova, K. L. Ganf, *Dokl. AN Azerb. SSR* 18 no. 1:19-21 '63.

KURSK MAGNETIC ANOMALY—ENGINEERING GEOLOGY

[Characteristics of Jurassic rocks in the Kursk Magnetic Anomaly in connection with the conditions of their formation from the view point of engineering geology] *Inzhenerno-geologicheskaya kharakteristika iurskikh porod KMA v svyazi s usloviyami ikh formirovaniya.* [By] I. G. Korobanova i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 109 p.

KURSK MAGNETIC ANOMALY—GEOLOGY—MAPS

Methods of mapping the territory of the Kursk Magnetic Anomaly for purposes of hydrogeology, hydrochemistry, and engineering geology. B. N. Smirnov, *Sov. geol.* 6 no. 4:109-120 Ap '63.

KURSK MAGNETIC ANOMALY—IRON ORES

Conference on the production and dressing of iron ores from the Kursk Magnetic Anomaly. Z. S. Bogdanova, L. T. Ozolin, *Obog. rud* 7 no. 6:43 '62.

KURSK MAGNETIC ANOMALY—POLYZOIA, FOSSIL

New early Carboniferous species *Fenestella* from the Kursk Magnetic Anomaly region. T. I. Shcherbatskykh, *Paleont. zhur.* no. 1:58-62 '63.

KURSK MAGNETIC ANOMALY—ROCKS, SEDIMENTARY

[Characteristics of Jurassic rocks in the Kursk Magnetic Anomaly in connection with the conditions of their formation from the view point of engineering geology] *Inzhenerno-geologicheskaya kharakteristika iurskikh porod KMA v svyazi s usloviyami ikh formirovaniya.* [By] I. G. Korobanova i dr. Moskva, Izd-vo Akad. nauk SSSR, 1963. 109 p.

KURSK PROVINCE—ROADS—MAINTENANCE AND REPAIR

D. N. Efanova is the best road foreman of the Kursk Province Road Administration. I. Gavrilov, *Avt. dor.* 26 no. 4:9-10 Ap '63.

KURSK PROVINCE—ROADSIDE IMPROVEMENT

We are planting trees along roadsides. A. P. Mironov, *Les. khoz.* 16 no. 1:69 Ja '63.

KURSK PROVINCE—SNOW

Spring snow. V. Ia. Frolov, *Priroda* 52 no. 3:127 '63.

KURSK PROVINCE—TREE PLANTING

We are planting trees along roadsides. A. P. Mironov, *Les. khoz.* 16 no. 1:69 Ja '63.

KUSTANAY PROVINCE—AGRICULTURAL WORKERS

A key to the heart. P. Skobelkin, *Mol. komm.* no. 11: 61-63 N '62.

KUSTANAY PROVINCE—LANDSLIDES

Observations of landslides in the Sarbay open-pit mine. V. N. Strulikhin, *Gor. zhur.* no. 4:69-70 Ap '63.

KUSTANAY PROVINCE—PINE

Interrelationship between trees and herbaceous vegetation in isolated pine woods of Kazakhstan. A. G. Gail', N. A. Voronkov, *Nauch. dokl. vys. shkoly; biol. nauki* no. 2:131-140 '63.

KUSTANAY REGION—PYROXENES

Some characteristics of pyroxenes in skarn iron-ore deposits. A. K. Iakovleva, *Zap. Vses. min. ob-va* 92 no. 1:73-81 '63.

KUSTANAY REGION—SKARNS

Some characteristics of pyroxenes in skarn iron-ore deposits. A. K. Iakovleva, *Zap. Vses. min. ob-va* 92 no. 1:73-81 '63.

KUTAISS—CANNING INDUSTRY

Collective of the Kutais Canning Plant strives for the fulfillment of the seven-year plan. G. V. Bregadze, *Kons. i ov. prom.* 18 no. 5:4-5 My '63.

- KUYBYSHEV PROVINCE—INSURANCE, SOCIAL—EMPLOYEES**
Relying upon activists. P. Semidetova. *Sots.obesp.* 24 no. 4:13-16 Ap '63.
- KUYBYSHEV PROVINCE—MINERAL WATERS**
Bathing patients with rheumatic fever and infectious non-specific polyarthritides in mineral water from the Kuybyshev spring for therapeutic and prophylactic purposes [with summary in English]. O. A. Volkova. *Vop.revm.* 3 no. 1:53-60 Ja-Mr '63.
- KUYBYSHEV PROVINCE—PUBLIC HEALTH**
Results of the work of the Medical Veterans' Council in Kuybyshev Province. A. I. Kozlov. *Zdrav.Ros. Feder.* 7 no. 2:27-29 F '63.
- KUYBYSHEV PROVINCE—WORLD WAR, 1939-1945**
Barakhovskii, S. A., and F. A. Karevskii. [Patriotic feats of the workers of Kuybyshev Province during the years of the Great Patriotic War] *Patrioticheski podvig trudiaschikhsia Kuybyshevskoi oblasti v gody Vel'koj Otechestvennoi volny.* [Kuybyshev] Kuybyshevskoe knizhnoe izd-vo, 1951. 49 p. (Iz istorii Kuybyshevskoi organizatsii KPSS) (MH)
- KUYBYSHEV RESERVOIR—COAST CHANGES**
Coast changes of the Kuybyshev Reservoir. E. E. Iasneva. *Vop.gidrogeol. i inzh. geol.* no. 20:149-155 '62.
- KUYBYSHEV RESERVOIR—FISHERIES**
For efficient use of the fish stock of Kuybyshev Reservoir. N. A. Dziduban and others. *Ryb.khoz.* 39 no. 4:16-22 '63.
- KUYBYSHEV RESERVOIR REGION—PHYSICAL GEOGRAPHY**
[The Kuybyshev Reservoir; physical geography] *Kuybyshevskoe vodokhranilishche; kratkaia fiziko-geograficheskaya kharakteristika.* [By] T. N. Borokova, P. I. Nikulin, V. M. Shirokov. [Kuybyshev] Kuybyshevskoe knizhnoe izd-vo, 1962, 80 p. (MICROFILM)
- KUZNETSK ALA-TAU—ORE DEPOSITS**
Some characteristics of metal potentials and physical properties of the Sarala granite massif. I. U. M. Shulliglo. *Trudy SNIIGGIMS* no. 25:24-30 '62.
- KUZNETSK BASIN—DENTONITE**
Bentonite of the Kuznetsk Basin. V. I. Budnikov and others. *Trudy SNIIGGIMS* no. 25:36-44 '62.
- KUZNETSK BASIN—BLASTING**
Practice of making chutes and crosscuts in mines which are hazardous because of gas and dust. G. M. Korovchenko. *Ugol'* 38 no. 4:24-26 Ap '63.
- KUZNETSK BASIN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES**
Technology of working with thin, nonsectional shields. M. I. Ovinov, I. M. Vyskrebets. *Ugol'* 38 no. 4:19-20 Ap '63.
- KUZNETSK BASIN—COAL MINING MACHINERY**
Record production of the K-52m cutter-loader in the Kuznetsk Basin. F. I. A. Rozenberg. *Ugol' Ukr.* 7 no. 4:33 Ap '63.
- Result of using SBM-3U crosscutting and boring machines. P. I. Tomakov, V. S. Cherenisin. *Ugol'* 38 no. 4:30-32 Ap '63.
- KUZNETSK BASIN—COAL MINING MACHINERY—TESTING**
Using PVV-2 and PVV-3 machines in upraising. I. A. Ushakov, I. U. K. Alkin. *Ugol'* 38 no. 4:39-41 Ap '63.
- KUZNETSK BASIN—FIRECLAY**
Search for refractory raw material in the Kuznetsk Basin. V. I. Budnikov. *Trudy SNIIGGIMS* no. 25:57-62 '62.
- KUZNETSK BASIN—GEOLOGY, STRATIGRAPHIC**
New materials on the stratigraphy of the Kuznetsk Basin. V. I. Larovskii, E. M. Andreeva, S. A. Golubev. *Sov. geol.* 6 no. 4:126-128 Ap '63.
- KUZNETSK BASIN—GOLD**
Estimation of alluvial gold-bearing regions. P. A. Petrov. *Trudy SNIIGGIMS* no. 25:195-197 '62.
- KUZNETSK BASIN—HYDRAULIC MINING**
TSentral'nyi institut tekhnicheskoi informatsii ugol'noi promyshlennosti. [Hydromechanization of open-pit mining operations in the Kuznetsk Basin] *Gidromekhanizatsia otkrytykh gornykh rabot v Kuzbasse.* Moskva, 1962, 38 p. (MICROFILM)
- KUZNETSK BASIN—MINE EXPLOSIONS**
Accident at the "Chertinskaya-Zapadnaya" Mine. M. A. Krainikov. *Izop.truda v prom.* 6 no. 8:8-10 S '62.
- KUZNETSK BASIN—MINE FILLING**
Use of complete filling of mined-out space in working steep seams having various thicknesses; working steep, thick seams with inclined layers in an ascending order with hydraulic filling and without interlayer overlapping in "Koksovaia-1" Mine in the Kuznetsk Basin. N. I. Kuksov, A. A. Belov. *Ugol'* 38 no. 4:10-13 Ap '63.
- KUZNETSK BASIN—ROCK PRESSURE**
Results of observations of manifestations of rock pressure in Surtakha Mine. I. G. Tkachev, V. M. Shik. [Trudy] VNIMI no. 45:262-268 '62.
- KUZNETSK BASIN—SERVICE INDUSTRIES**
Service industries in the Kuznetsk Basin. N. Miroshnichenko, G. Marov, I. Trilobov. *Mest.prom. i khud.promysl.* 4 no. 3:7-10 Mr '63.
- KUZNETSK BASIN—SILLS (GEOLOGY)**
Differentiation in the silts of the southeastern part of the Kuznetsk Basin [with summary in English]. V. A. Kutolin. *Geol. i geofiz.* no. 1:98-110 '63.
- KUZNETSOV, SERGEI SERGEEVICH, 1892-**
Seventieth birthday of S. S. Kuznetsov. Z. G. Balashov and others. *Vest. LGU* 18 no. 6:5-7 '63.
- KVAISI REGION—SULFIDE ORES**
Preparation by the autoclave method of a solution of zinc sulfate from a concentrate of the Kvaisi sulfide ore deposit. G. M. Kuperman and others. *Trudy Inst. khim. AN Gruz. SSR* 16:9-13 '62.
- KVEK, MAREK, 1913-1962**
M. Kvek; obituary. *Akua, zhur.* 9 no. 2:250 '63.
- KYMOGRAPHY**
Electrocardiographic and roentgenokymographic examination of patients with cardiac aneurysm [with summary in English]. M. N. Tumanovskii, V. I. Garmanh. *Kardiologia* 2 no. 3:40-44 My-Je '62.
- Graphic method for rhythm analysis and its use in motion study. V. Kh. Kharkevich. *Vop. psikh.* 9 no. 2:151 Mr-Apr '63.
- Roentgenoelectrocardiographic examination in cardiac aneurysms; preliminary report [with summary in English]. V. A. Shanina, O. M. Kolobutina, G. P. Kotelnikova. *Kardiologia* 2 no. 3:44-51 My-Je '62.
- KYTLYM REGION—MIGMATITES**
Basic migmatites (kytlymites) of the Kytlym platinum-bearing massif. A. A. Efimov. *Sov. geol.* 6 no. 2:45-57 F '63.
- KYUROVDAG REGION—OIL FIELD DRINES**
Role of underground waters in the partial collapse of the pool in horizon I of the productive formation of the Kyurovdag oil field. G. A. Gadzhiev, A. N. Guseinov, B. A. Slapirov. *Dokl. AN Azerb. SSR* 19 no. 1:35-40 '63.
- KYZYL KUM—FERULA**
Ecological and physiological characteristics of *Ferula assa foetida* L. of Kyzyl Kum. Z. Sh. Shamutdinov, I. U. Parpiev. *Bot. zhur.* 48 no. 3:440-443 Mr '63.
- KZYL-ORDA PROVINCE—AGRICULTURAL PESTS**
Struggle against agricultural pests. D. T. Kolanbaev, Shkola i proizv. 7 no. 2:59-61 F '63.
- KZYL-SAY—RETAIL TRADE**
As dictated by conscience. A. Kaundykov. *Koop. Kazakh.* 5 no. 11:19 N '62.
- LA CAILLE, NICOLAS LOUIS DE, 1713-1762**
Outstanding explorers of the world of stars; J. Bradloy, T. Mayer, N. La Caille, three astronomers of the 18th century. I. U. G. Perel'. *Priroda* 52 no. 4:60-72 '63.
- LABELS** see subdivision under Latvia
- LABOR AND LABORING CLASSES**
(see also subdivision under Africa; Donets Basin; France; Germany, West; Leningrad; Moscow; Spain; Tambov Province; Turkey; Vyatka Government)
- A class in the center of our epoch. *Kommunist* 40 no. 7:12-21 My '63.
- Concept of the "social class" and the historical role of the laboring classes. Maurice Thorez. *Kommunist* 40 no. 8:48-61 Ap '63.
- The conversation about labor honor goes on. A. Kanevskaya. *Sov. radio i tel.* 12 no. 1:2-3 Ja '63.
- [Documents and materials relating to the history of international proletarian solidarity] *Iz istorii mezhdunarodnoi proletarskoi solidarnosti; dokumenty i materialy.* Glav. red. G. A. Belov i dr. Moskva, Sovetskaya Rossiia, Vol. 6, [international solidarity of workers in the struggle for peace and national liberation against fascist aggression, for the complete annihilation of fascism in Europe and Asia, 1938-1945] *Mezhdunarodnaia solidarnost' trudiaschikhsia v bor'be za mir i natsional'no osvobodzenie protiv fashistskoi agressii, za polnoe unichozhenie fashizma v Evrope i Azii, 1938-1945.* Moskva, Sovetskaya Rossiia, 1962, 798 p.
- Enterprises need the departments of labor discipline and wages. *Sots.trud.* 9 no. 4:42-47 Ap '63.
- General features of the transformation of laboring classes into communist labor. V. A. Prokof'eva. *Izvestia obshchestv. nauk vuz. i. Len.; Ped. shk.* no. 10:10 '62.
- Historical role of the laboring classes. V. A. Prokof'eva. *Agitator* no. 14:9-12 Ji '63.
- Labor policy of the Russian bourgeoisie and the Provisional Government, March-April, 1917. P. A. Kuznetsov. *Int. zap.* 73:127-135 '63.
- Leningrad ideas on the scientific organization of labor put into practice. *Sots.trud.* 9 no. 4:48-51 Ap '63.
- Modern capitalism and the class struggle. A. A. Prokof'eva. *Mir. ekon. i mezhprom. otn.* no. 2:14-15 '63.
- New books on the history of labor and communist movement. I. A. Horeznyi and others. *Vopromy* no. 4:133-136 Ap '63.
- Occupation and nutrition. M. Marshak. *Gos. nauch. strakh.* no. 4:16-19 Ap '63.
- Rumiantsev, A. M., ed. [Structure of the laboring classes in capitalist countries] *Struktura rabochego klassa kapitalisticheskikh stran; materialy obshchestvennoy provodivshiesia v zhurnale "Problemy natsionalizma" v 1960-1961 gg.* Praga, izd-vo "Mir" 1962, 360 p. (Mezhdunarodnye diskussii o razvitiu)
- Russian workers on the eve of the Great October Revolution; their number, social structure, concentration, and distribution in the most important industries of the U.S.S.R. G. P. Kotelnikova. *Int. zap.* 73:35-40 '63.
- LABOR AND LABORING CLASSES—EDUCATION**
(see also subdivision under Uzbekistan)
- Let a wide road open for ideological competition. N. I. Kharkevich. *Polit. samozh. i mezhprom. otn.* no. 2:14-15 '63.
- Using the method of practical tasks. I. S. Kharkevich. *Part. zhizn'* no. 8:67-69 Ap '63.
- LABOR AND LABORING CLASSES—MEDICAL CARE**
Sunday paradoxes. I. A. Dreneman. *Okhr. zdor. i strakh.* no. 4:20-21 Ap '63.
- LABOR AND LABORING CLASSES IN LITERATURE**
The working man is the hero of our time. V. A. Chepizhnyi. *Part. zhizn'* no. 10:60-64 Ap '63.
- LABOR CONTRACT**
Borisyev, P. L. [Socialist labor contracts] *Izvestia obshchestv. nauk vuz. i. Len.; Ped. shk.* no. 10:10 '62.
- chochii trudovoi dogovor; posobie po kursum administrativnoe grazhdanskoe i trudovoe pravo Moskva, Zaochnyi in-t sovetskoi torgovli, 1959, 37 p. (MICROFILM)
- LABOR COURTS**
(see also subdivision under Azerbaijan; Kazan; Petrovsk)
- Advice for voluntary policeman and fellow workers' courts. *Rad.pravo* no. 3:47-50 My-Je '63.
- Legal significance of the decisions of fellow workers' courts. A. Fel'dman. *Rad.pravo* no. 3:44-46 My '63.
- Linenburg, G. A., and N. M. Leonova. [Fellow workers' courts in industrial enterprises] *Tovariščestvennoe na prodprizhii.* Moskva, Gos. izd-vo lurid. lit-ry, 1959, 77 p. (MH-L)
- Our close contacts with the people. N. Mambetov. *Sov. zakon.* 39 no. 7:68-69 Ji '63.
- LABOR DISCIPLINE**
(see also subdivision under Dzhambul)
- A conference of propagandists. A. Egorov. *Agitator* no. 6:27-28 My '63.
- Man lives among people. I. Pavlova. *Sov. radio i tel.* 10 no. 7:10-7 Ap '63.
- "Responsibility of collective farmers for the violation of labor discipline" by V. Z. Anichuk. Reviewed by V. Hrechko. *Rad.pravo* no. 2:150-151 Mr-Apr '63.
- The strength of the leader is reliance on the collective. G. Mirokin. *Part. zhizn' Kazakh.* 33 no. 3:41-44 Ji '63.
- Strengthening labor discipline at the new stage of the building of communism. T. I. Endorova. *Trudy tekhn. inst.* no. 30:139-153 '61.
- LABOR JOURNALISM** see Journalism, Labor
- LABOR LAWS AND LEGISLATION**
(see also subdivision under Ukraine)
- Abramova, A. A. [Soviet labor law] *Sovetskoe trudovoe pravo.* Otv. red. A. E. Pashersnik. Moskva, Gos. izd-vo lurid. lit-ry, 1959, 260 p. (MH-L)
- "Ancillary obligations in labor law" by M. I. Laro. Reviewed by T. Tsyhylyk, M. Shvedenko. *Rad.pravo* no. 2:147-150 Mr-Apr '63.
- Answering our readers' questions. *Sov. zakon.* 39 no. 7:78-79 Ji '63.
- Area covered by Soviet labor law. S. Korina'ki. *Rad.pravo* no. 2:85-88 Mr-Apr '63.
- Legal advice. *Rad.pravo* no. 2:148-149 Mr-Apr '63.
- Legislative changes. *Okhr. truda i sots. strakh.* no. 10:10 Ap '63.

LABOR LAWS AND LEGISLATION (Continued)

- Moscow.** *Vsesoluznyi iuridicheskii nauchnyi institut.* [Soviet labor law] Sovetskoe trudovoe pravo. [By] V. N. Tolkunova i dr. Moskva, 1961. 300 p.
- Prompted by life. L. Gintsburg. Okhr. truda i sots. strakh. 6 no. 3:10-11 Mr '63.
- "Special features of the legal regulation of labor in the different branches of the Soviet national economy." Reviewed by F. M. Leviant and others. Izv. vys. ucheb. zav.; prav. 6 no. 2:152-154 '62.
- Survey of labor legislation. Sots. trud 8 no. 4:150-153 Ap '63.
- Yarentsova, V. G.** [Labor rights of college students and young specialists] Trudovye prava uchashchikhsia yuzov i tekhnikumov i molodykh upotrebistov. Moskva, Gos. izd-vo iurid. lit-ry, 1961. 85 p. (InU) (MIL-1)

LABOR LAWS AND LEGISLATION—STUDY AND TEACHING see subdivision under Leningrad Province

LABOR PRODUCTIVITY

- (see also subdivision under Armenia; Europe, Eastern; Latvia; Nakhodka)
- Correlation between the intensity and productivity of labor under socialism. V. O. Patrukhov, Trudy Sib. tekhn. inst. no. 30:109-124 '61.
- Moskalenko, V. K.** [For communist labor productivity] Za kommunisticheskuyu proizvoditel'nost' truda. Moskva, Ekonomizdat, 1963. 101 p.
- New creative initiative. Nar. khoz. Uzb. 5 no. 2:79 F '63.

LABOR PRODUCTIVITY—STATISTICS

- Pisarev, I. I.** [Some problems in the statistical study of labor and production] Nekotorye voprosy statisticheskogo izucheniya truda i proizvodstva. Moskva, Nauchno-issl. in-t truda i zarabotnoi plati, 1961. 42 p. (CU)

LABOR REST HOMES

- Signed and that is all. . . . Okhr. truda i sots. strakh. no. 4:26 Ap '63.

LABOR SUPPLY

- Reproduction of the labor force and wages under socialism. R. Olukhivskiy, Ekon. Rud. Ukr. no. 2:15-21 Mr-Apr '63.

LABOR TURNOVER see subdivision under Krasnoyarsk Territory

LABORATORIES—EQUIPMENT AND SUPPLIES

- Russia (1923- U. S. S. R.)** Ministerstvo sol'nokogo khozjalstva. Upravlenie nauki, propagandy i vnedreniya poredovogo opyta. Tsentral'noe opytno-konstruktorskoe biuro priborostroeniya. [Instruments and laboratory equipment developed by the Central Experimental Design Office of the Instrument Industry; catalog] Pribury i laboratornoe oborudovanie, razrabotannye Tsentral'nym opytno-konstruktorskim biuro priborostroeniya; katalog. Moskva, Sol'khosizdat, 1962. 56 p. [MICROFILM]

LACE AND LACEMAKING

- Using the knitting method for the manufacture of lace, tulle, and curtains. E. G. Mazina, Tekst. prom. 23 no. 3:86-88 Mr '63.

LACQUER AND LACQUERING

- Epoxylacquer without solvents. Report No. 1. M. F. Sorokin, E. Ia. Angarskaya, K. A. Lialinshko. Lakokrass. mat. i kh. priu. no. 2:1-6 '63.
- Use of ultrasonic waves in the manufacture of oil-based lacquers for leather. V. Ia. Lutsauk, A. I. Mikhail'man. Lekh. prom. no. 1:34-35 Ja-Mr '63.

LACTIC ACID

- Effect of increased temperature and complex enzymatic preparations of *Aspergillus oryzae* and *A. awamori* on the heteroenzymatic lactic acid fermentation. G. M. Smirnova. Dokl. AN SSSR 140 no. 3:714-716 Mr '63.

LACTIC DEHYDROGENASE

- Colorimetric method of determining serum lactic dehydrogenase (lactate dehydrogenase) and its use in clinical practice. B. F. Korovkin, E. F. Eshtina, A. N. Predtechenskiy. Lab. delo 9 no. 3:17-20 Mr '63.

LACTONES

- Configuration of δ -lactones formed during cyclization of geranylacetic acid. A. V. Somenovskii, V. A. Smil', V. F. Kucherov. Izv. AN SSSR, Otd. khim. nauk no. 3: 550-560 Mr '63.
- Lactones of *Phellodendron sachalinense* (Fr. Schmidt) Sarg. G. K. Nikonov, R. K. Veremeli. Dokl. AN SSSR 148 no. 4:850-852 F '63.

LAGOCHILUS

- Lagochilus inobriana*. M. I. Kramov. Priroda 52 no. 3: 116-117 '63.

LAKES

- Bogdanovskii, B. D.** [Mysteries of lakes] Zagadki ozer. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhnii, nauke, tekhnike, XII Seriya; Geologiya i geografiya, no. 6)

LAKHUTI, ABULKASEM, 1887-

- Abulkasem Lakhuti. Uzbekistan 21 no. 12:12 D '62.

LAMBLIASIS see Giardiasis

LAME see Metal cloth

LAMELLIBRANCHIATA, FOSSIL see subdivision under Mongolia

LAMINATED METALS

- Experimental rolling of two-layer sheets. L. V. Meandrov and others. Stal' 23 no. 4:343-345 Ap '63.
- Production of bimetals. S. A. Golovanenko. Biul. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:5-9 '63.

LAMINATED METALS—WELDING

- Automatic welding of two-layer steel without edge preparation. F. A. Ratn. Avtom. svar. 16 no. 2:70-73 F '63.

LAMINATED PLASTICS

- Ukraine.** Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. [Uses of wood laminates compressed wood and textile chips in machinery manufacture] Primeneniye drevesykh elostykh plastikov, pressovannoi drevesy i tekstil'noi kroshtki v mashinostroeni. Kiev, In-t tekhn. informatsii, 1962. 81 p. [MICROFILM]

LAMPS

- Spectral density of the energy brightness of hydrogen and deuterium lamps in the ultraviolet region of the spectrum. M. N. Smolkin, N. B. Berdnikov. Opt. i spekt. 14 no. 3:414-416 Mr '63.

LAMUT LANGUAGE—GRAMMAR

- TShtslis, V. I.** [Outline grammar of the Even (Lamut) language] Ocherki grammatiki evenskogo (lamutskogo) yazyka. Leningrad, Gos. uchebno-pedagog. izd-vo, Pt. 1. [Phonetics and morphology] Fonetika i morfologiya, 1947. (InU)

LAND

- History of the development of agricultural land characteristics in the forest zone of the European part of the U. S. S. R. A. A. Maksimov. Okhr. prir. i zapov. delo v SSSR no. 7:102-132 '62.

LAND SETTLEMENT see subdivision under Siberia

LAND TENURE

- (see also subdivision under Asia, Southeastern; Moldavia)
- A. I. Nertzon's "Kolokol" and the agrarian-peasant question in Russia. R. Ia. Gol'dman. Dokl. TSKHA no. 68: 209-231 '61.
- Conflicting views of Russian ruling groups on the solution of the agrarian problem in the late 19th century. M. S. Simonova. Ist. SSSR 7 no. 1:65-82 Ja-F '63.
- From the history of the solution of the agrarian question in Russia; period of the first revolutionary situation, 1880-1900. L. P. Mart'ianova. Dokl. TSKHA no. 68: 251-267 '61.
- Malakhov, P. I.** [On the two types of agrarian evolution in Russia] O dykh tipakh agrarnoi evoliutsii v Rossii. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1962. 439 p.
- Skliarov, L. F.** [Migration and land utilization in Siberia during the years of the Stolypin agrarian reform] Perekoloniye i zemleustroystvo v Sibiri v gody stolypinskoi agrarnoi reformy. [Leningrad] Izd-vo Leningr. univ., 1962. 587 p.

LANDAU, LEV DAVIDOVICH, 1908-

- Comments by academician Landau. D. Danin. Nauka i zhytiya 12 no. 2:46-48 F '63.
- How the life of Academician L. D. Landau was saved. N. I. Grashchenkov, N. N. Anichkov. Priroda 52 no. 3: 106-108 '63.
- Soviet scientist's outstanding talent. S. Kharson. NTO 5 no. 3:48-49 Mr '63.

LANDFORMS

- (see also subdivision under Antarctic regions; Dnieper Valley; East European Plain; Sakmara Valley; Soviet Central Asia; Western Dvina Valley)
- Effect of the intermittent roughness of relief on the dispersion curves of surface seismic waves. G. G. Obukhov. Izv. AN SSSR, Ser. geofiz. no. 4:546-551 Ap '63.
- Important cycles in the relief development of platform plains. IU. A. Meshchoriakov. Izv. AN SSSR, Ser. geog. no. 2:3-13 Mr-Apr '63.

LANDSCAPE GARDENING

- (see also subdivision under Dzorzhinsk, Gorkiy Province)
- Landscape gardening and tree pruning. I. M. Sakharov. Priroda 52 no. 3:124-125 '63.

LANDSLIDES see subdivision under Kustanay Province; Ob' Valley

LANGUAGE AND LANGUAGES

- Contribution to the study of phonemes. O. Kh. TSakher. Uch. zap. Irk. gos. ped. inst. Inostr. iaz. no. 6:5-30 '62.

- Group flight into space; material in English, German and French. Inostr. iaz. v shkole no. 1:36-49 Ja-F '63.

- J. Herder's views on problems of language. N. A. Sigal. Uch. zap. LGU no. 318:3-20 '62.

- Origin of language. N. Romanova. Nauka i zhytiya 12 no. 2:56-57 F '63.

LANGUAGE AND LANGUAGES—AUDIO-VISUAL AIDS

- Standard equipment of a foreign language study room. E. S. Khar'kovskii. Inostr. iaz. v shkole no. 2:77-83 Mr-Apr '63.
- Tape recorder and epidiascope. B. G. Skobin. Inostr. iaz. v shkole no. 2:83-85 Mr-Apr '63.

LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

LANGUAGE AND LANGUAGES—CHRESTOMATHIES AND READERS

- Publication of adapted literature. G. P. Ichenko. Inostr. iaz. v shkole no. 2:103-104 Mr-Apr '63.

LANGUAGE AND LANGUAGES—EXAMINATIONS, QUESTIONS, ETC.

- Foreign language examination questions on cards at the final examinations in 1962-1963. L. Ia. Sadchikova, E. V. Stuzhina. Inostr. iaz. v shkole no. 1:7-8 Ja-F '63.

LANGUAGE AND LANGUAGES—PERIODICALS

- Proposed publication plan of the periodical "Inostrannye yazyki v shkole." Inostr. iaz. v shkole no. 1:125-126 Ja-F '63.

LANGUAGE AND LANGUAGES—STUDY AND TEACHING

- Akademiya pedagogicheskikh nauk RSFSR, Moscow.** Institut obshchego i politekhnicheskogo obrazovaniya. [Audio-visual aids in the teaching of foreign languages in schools] Tekhnicheskie sredstva v obuchenii inostrannym yazykam v shkole; sbornik statei. Podred. Z. S. Khar'kovskogo. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1963. 71 p. (Pedagogicheskie chteniya)
- Choral forms of work as a means to activate a lesson. L. A. Sokolova. Inostr. iaz. v shkole no. 1:96-97 Ja-F '63.

- For a comprehensive method in teaching foreign languages. V. V. Morzenko, I. F. Turuk. Vest. vys. shkoly 21 no. 3:22-26 Mr '63.

- Foreign language clubs. F. B. Vil'chevskii. Inostr. iaz. v shkole no. 2:100 Mr-Apr '63.

- Foreign language in a Pioneer camp. M. Gol'dshstein. Inostr. iaz. v shkole no. 2:94-96 Mr-Apr '63.

- Foreign language program for grades 9-11. Inostr. iaz. v shkole no. 2:8-11 Mr-Apr '63.

- General characteristics of the active method of teaching. I. E. Anichkov. Inostr. iaz. v shkole no. 2:24-26 Mr-Apr '63.

- Is musical training necessary for teachers? A. A. Kamenskii. Inostr. iaz. v shkole no. 1:92-96 Ja-F '63.
- The library as an aid to readers studying foreign languages without a teacher. O. D. Kuznetsova. Opyt, rab. bibliot. s lit. no. 5:5-13 '63.

- Make fuller use of foreign literature for acquiring proficiency in languages. G. N. Bratchikova, N. P. Piktina. Opyt, rab. bibliot. s lit. no. 5:23-32 '63.

- Our goal is peace, creativeness and communism. Inostr. iaz. v shkole no. 1:3-6 Ja-F '63.

- "Pedagogical readings" in 1963. Inostr. iaz. v shkole no. 2:122-125 Mr-Apr '63.

- Province conference on theory and practice in Tambov. M. Bazina and others. Inostr. iaz. v shkole no. 1:100-101 Ja-F '63.

- Psychology of learning words in a foreign language [with summary in English]. G. A. Kharlov. Vop. psikh. 9 no. 1:62-66 Ja-F '63.

- Scientific basis of a teaching method. G. E. Vedel'. Inostr. iaz. v shkole no. 1:18-27 Ja-F '63.

- Self-education of teachers. B. D. Lempert. Inostr. iaz. v shkole no. 1:86-92 Ja-F '63.

- Using materials on V. I. Lenin in class and in extracurricular work. N. V. Smirnova, B. I. Epelbaum. Inostr. iaz. v shkole no. 2:33-44 Mr-Apr '63.

- What a school program should be like? E. P. Stabina. Inostr. iaz. v shkole no. 2:18-24 Mr-Apr '63.

LANTHANUM COMPOUNDS

- Preparation and properties of lanthanum nitride. M. D. Litais, G. V. Samsonov. Ukr. khim. zhur. 29 no. 3: 251-255 '63.

LANTHANUM FERRATES—MAGNETIC PROPERTIES

- Coexistence of antiferromagnetic and characteristic dielectric properties in the system BiFeO_3 - LaFeO_3 . IU. E. Roginskaya, IU. N. Venetsov, G. S. Zhdanov. Zhur. eksp. i teor. fiz. 44 no. 4:1418-1420 Ap '63.

LANTHANUM NITRATE

- Reaction of lanthanum nitrate with glycine. E. V. Goncharov. Zhur. neorg. khim. 8 no. 3:770-772 Mr '63.

LANTHANUM OXIDE

- Spectral determination of impurities in high purity lanthanum oxide after their concentration by the chromatographic method [with summary in English]. V. L. Kustas, G. V. Lazebnaya, M. K. Zagorskaya. Zhur. anal. khim. 18 no. 1:88-102 Ja '63.

- LANTHANUM SALTS**
Equilibrium in the system sulfuric acid - lanthanum sulfate - water at 25°. A. K. Musteev, R. T. Iakovenko. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:57-59 '62.
- LAPEROUSE, JEAN FRANÇOIS DE GALAUP, 1741-1788**
Chukovskii, N. K. [The captains of frigates; a book about great navigators] Vozditiel fregatov; kniga o velikikh moreplavatelakh. Moskva, Gos. izd-vo detakoi lit-ry, 1959. 478 p. (Shkol'naya biblioteka) (CoU)
- LAPPISE LANGUAGE—DIALECTS** see subdivision under Kola Peninsula
- LARCENY**
(see also subdivision under Chernyy Ostrov District)
The thieves used hooks; notes of a criminal investigator. Ala Andrushevskaya. Rab. i shol. 39 no. 3:21-22 Mr '63.
- LARCH**
(see also subdivision under Il'men Mountain region; Siberia)
Bokshchin, I. R. [Ways of expanding the processing and use of larch wood] Puti rasshireniya pererabotki i potrebleniya listvenitsy. Sverdlovsk, Sverdlovskoe ob. upr. nauchno-tekhn. ob-va bumazhnoi i derevoobrabatyval'skoi promyshl., 1962. 107 p. [MICROFILM]
- LARKS**
Secret of a lark. Vladimir Elagin. IUn. nat. no. 3:23 Mr '63.
- LARVAE**
Rostralis - larva of Notopygos sp. (Amphinomidae, Polychaeta) from the South China Sea. V. A. Sveshnikov, T. S. V. V. Zhen' [Ch'u Wen-Jen]. Dokl. AN SSSR 149 no. 3:735-741 Mr '63.
- LARVAE—INSECTS**
Study of the larvae of caddis flies (Trichoptera) of Siberia and the Far East. I. M. Levandova. Izv. TINRO 48:180-194 '62.
- LATHES**
Making a revolving center. V. Kasakovich. Shkola i prosv. 7 no. 2:78-82 F '63.
- LATHES—NUMERICAL CONTROL**
Borbatenko, P. A. [Adjustment of the copying mechanism and graphic-analytic method for the adjustment of face cams of gear cutting lathes] Regulirovka kopiroval'nogo mekhanizma i grafoanaliticheskiy metod naladki kopirovkoemotokarnykh skankov. Moskva, Transzheldorizdat, 1962. 29 p.
- LATIN AMERICA—ECONOMIC CONDITIONS**
Growth of the national liberation movement of the peoples of Latin America; triumph of the people's revolution in Cuba. B. M. Merin. Preprint. v shkole 18 no. 2:77-84 Mr-Apr '63.
- LATIN AMERICA—HANDBOOKS, MANUALS, ETC.**
Holovko, M. K., and R. M. Mikhov. [Latin American countries; brief handbook] Kratny latyn'skoi Ameriky; korotkiy dovidnyk. Kyiv, Derzhpolityvday URSSR, 1962. 234 p.
- LATIN AMERICA—INVESTMENTS, WEST GERMAN**
West German Capital in Latin America. I. U. Grigor'ian. Mir. ekon. i mezhdunar. otn. no. 4:124-126 '63.
- LATIN AMERICA—POLITICS**
Growth of the national liberation movement of the peoples of Latin America; triumph of the people's revolution in Cuba. B. M. Merin. Preprint. v shkole 18 no. 2:77-84 Mr-Apr '63.
- Korolev, N. V. [Countries of Latin America in international relations, 1898-1962] Strany Latinskoi Ameriki v mezhdunarodnykh otnosheniyakh, 1898-1962 gg. Pod red. P. V. Milogradova. Kishinev, Gos. izd-vo "Kartia moldoveniaste," 1962. 305 p. [MICROFILM]
- Voice of a continent. Oleg Ignatiev. Ogonek 41 no. 16: 8 Ap '63.
- LATIN LANGUAGE—TERMS AND PHRASES**
Ovrukskii, N. O. [Winged Latin sayings in literature] Krylatye latinskije izrecheniya v literature. Kiev, Izd-vo Akad. nauk USSR, 1962. 219 p.
- LATIN LITERATURE—HISTORY AND CRITICISM**
Takho-Godi, A. A., and others. [Classical literature] Antichnaya literatura; uchebnik dlia pedinstitutov. [By] A. F. Losev i dr. Pod obshchei red. A. A. Takho-Godi. Moskva, Uchpedgiz, 1963. 376 p.
- LATITUDE**
Approximate determination of geographical latitude. B. A. Volynskii. Biul. VAGO no. 33:41-44 '63.
Simultaneous determination of the geographical latitude and the astronomical azimuth. B. A. Volynskii. Biul. VAGO no. 31:18-28 '62.
- LATITUDE VARIATION**
Daily latitude variation observed with a Zeiss zenith telescope in Poltava. I. A. S. Ialaskiy. Astron. tsir. no. 232:14-16 D '62.
- LATVIA—ADMINISTRATIVE AND POLITICAL DIVISIONS**
[Administrative and territorial division of the Latvian S.S.R. as of August 1, 1961] Latvijas PSR administratīvi teritoriālais iedalījums; uz 1961. gada 1. augustu. Rīga, Latvijas Valsts izdevniecība, 1961. 169 p. [In Latvian and Russian]
- LATVIA—AGRICULTURE—ECONOMIC ASPECTS**
Using correlation methods for analyzing the economic activity on collective farms [in Latvian with summaries in German and Russian]. O. Krestina. Izv. AN Latv. SSR no. 2:3-17 '63.
- LATVIA—CARGO HANDLING—EQUIPMENT AND SUPPLIES**
Exchange of experience in cargo loading and unloading in Latvian steamship line harbors. A. E. Shevchenko. Biul. tekhn.-ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 4:56-71 '62.
- LATVIA—COLLECTIVE FARMS**
New way of life. J. Balodis. Mol. komm. no. 7:13-14 Ji '62.
- LATVIA—COMMUNIST PARTY**
Latvijas Komunistiskā partija, Centrālā Komiteja. [The Communist Party of Latvia during the October Revolution of 1917; documents and materials, March 1917-February 1918] Komunistiskās partijas Latvii v Oktjabr'skoi revoliutsii 1917; dokumenty i materialy, mart 1917-ferval' 1918 g. Rīga, Latvijas gos. izd-vo, 1963. 882 p.
- LATVIA—COMMUNITY CENTERS**
New traditions: a school of education. V. Blūms, K. Klūbs. 12 no. 10:23-24 O '62.
- LATVIA—EFFICIENCY, INDUSTRIAL**
A year passed... V. Lutskiis, Komsom. zhizn' no. 2:2-5 Ja '62.
- LATVIA—FEEDS**
Production of enriched mixed feeds in the Latvian S.S.R. A. Abrams. Muk.-elev. prom. 29 no. 1:14 Ja '63.
- LATVIA—FIRES AND FIRE PREVENTION**
With common efforts. I. Zuev. Pozh. delo 9 no. 4:32, 3 of cover Ap '63.
- LATVIA—FOREIGN RELATIONS**
Foreign policy of ruling bourgeois groups in Latvia was a policy of national treason, 1933-1940. V. I. A. Sipola. Ist. SSSR 7 no. 1:48-64 Ja-F '63.
- LATVIA—FORESTS AND FORESTRY**
Tree selection practices in Latvia. J. Galis. Les. khoz. 16 no. 1:34-36 Ja '63.
- LATVIA—FORESTS AND FORESTRY—ACCOUNTING**
Economic accountability in the forestry enterprises of Latvia. J. Kronitis, M. S. Rivosch. Les. khoz. 16 no. 1:48-50 Ja '63.
- LATVIA—HISTORY**
From the first Soviets to the Soviet Socialist Republic. V. Jakubaneis, O. Shakhov. Izv. AN Latv. SSR no. 2: 133-135 '63.
[Socialist Soviet Republic of Latvia in 1919 and foreign intervention; documents and materials] Sociālistiskā Sociālistiskā Sociālistiskā Rospublika Latvii v 1919 g. i mēģinājumi ieņemt Latvii; dokumenty i materialy. Rīga, Izd-vo Akad. nauk Latvijas SSR, 1959-1960. 2 v. (Wau)
Vitte, Zanis. [Among the fighters] Cīnījās pulkā; atmiņu stāsts. Rīga, Latvijas Valsts izdevniecība, 1967. 203 p. [In Latvian]
- LATVIA—INDUSTRIAL MANAGEMENT**
Plant's permanent labor force and work organization. B. M. M. ner. Sots. trud 8 no. 4:32-41 Ap '63.
- LATVIA—LABELS**
Modification of the methods of labeling shirts. D. A. Kobylanskii. Shvein. prom. no. 1:38 Ja-F '63.
- LATVIA—LABOR PRODUCTIVITY**
Plant's permanent labor force and work organization. B. M. M. ner. Sots. trud 8 no. 4:32-41 Ap '63.
- LATVIA—LEGISLATIVE BODIES**
Millers, V., and E. Strumbina. [Supreme Soviet of the Latvian S.S.R. Translated by K. Strobelko] Latvijas PSR Augstākā padome. Rīga, Latvijas Valsts izdevniecība, 1963. 81 p. [In Latvian]
- LATVIA—MEASURING INSTRUMENTS—TESTING**
Organization of temporary inspection offices in rural regions of the Latvian S.S.R. A. A. Nekrasov. Izv. tekhn. no. 8:60-61 Ag '62.
- LATVIA—MEDICINE**
"From the history of medicine." No. 4. Reviewed by V. A. Nevskii. Sov. zdrav. 22 no. 4:81-84 '63.
- LATVIA—MORAINES**
Glacial erratics in the Latvian S.S.R. P. Liepins. Izv. AN Latv. SSR no. 2:75-78 '63.
- LATVIA—RESTAURANTS, LUNCHROOMS, ETC.**
Strazdins, P. F. [Development of public dining facilities in Soviet Latvia] Sabiedriskās ēdnīcas attīstība Padomju Latvijā. Rīga ["Padomju Latvijas kooperators"] 1960. 55 p. [In Latvian]
- LATVIA—STANDARDIZATION**
Conference on standardization in Latvia. G. E. L. skis, K. B. Belostotskii. Standartizatsia 27 no. 50-59 Ap '63.
- LATVIA—TECHNICAL EDUCATION**
Latvian S.S.R. Augstākās un vidējās speciālās izglītības valsts komiteja. [Secondary special schools in the Latvian S.S.R.] Latvijas PSR vidējās speciālās mācību iestādes. Rīga, Latvijas valsts izdevniecība, 60 p. [In Latvian] (MI)
- LATVIA—THEATER**
The 85th birthday of Andrejs Upitis. Teatr 24 no. 1:13 Mr '63.
- LATVIA—TRANSPORTATION, AUTOMOTIVE**
Further development of work. A. Vonda. Avt. transp. 4 no. 8:1-3 Ag '62.
- LATVIAN LANGUAGE—DICTIONARIES—ENGLISH**
[English-Latvian dictionary. Approximately 20,000 words] Angļu-Latviešu vārdnīca. [By] J. Raskvica, M. Sosare, L. Tīmencika. Ap 20 000 vārdu. Rīga, Latvijas Valsts izdevniecība, 1962. 720 p.
- LATVIAN LANGUAGE—SYNTAX**
Latvian Padomju Sociālistiskās Zinatnu akadēmija. Valodas un literatūras institūts. [Grammar of the modern Latvian literary language] Mūsdienu latviešu literatūras valodas grammatika. Rīga, LPSR Zinatnu akad. izdevniecība, [In Latvian]
Vol. 2. [Syntax] Sintakse, 1962. 931 p.
- LAUGHTON, CHARLES, 1809-1902**
Charles Laughton is dead. Isk. kino 33 no. 3:133 '61.
- LAUGING GAS** see Nitrous oxide
- LAUMONTITE** see subdivision under Transcarpathia
- LAUNDRIES—STANDARDS**
"Laundries; standards for design." Biul. stroit. tekhn. 11 no. 4:10-18 Ap '63.
- LAVOISIER, ANTOINE LAURENT, 1743-1794**
"Lavoisier" by I. A. G. Dorfman. Reviewed by K. M. Anisimova. Priroda 62 no. 4:110-119 '63.
- LAW** see subdivision under Kazakhstan; Ukraine
- LAW—BIBLIOGRAPHY** see Bibliography—Law
- LAW—CASES**
(see also subdivision under Ukraine)
[Bulletin of the Supreme Court of the R.S.F.S.R.] Bull. Verkh. Suda RSFSR no. 9 '62; no. 3 '63.
How public prosecutors supervise the observance of laws. Sots. zakon. 39 no. 7:82-85 Ji '62.
- LAW—CODIFICATION**
Important phase of the new codification of Soviet civil laws. O. S. Ioffe. Izv. vye. ucheb. zav.; prav. 6 no. 2: 52-65 '62.
- LAW—HISTORY AND CRITICISM**
Zakharov, N. S. [The Soviet state and law during the civil war and foreign armed intervention, 1918-1920] Sovetskoe gosudarstvo i pravo v period inostrannoi voennoi interventsii i grazhdanskoi volny, 1918-1920 gg.; uchebnoe posobie. [Kazan'] Izd-vo Kazanskogo univ., 1962. 85 p. [MICROFILM]
- LAW—PHILOSOPHY**
"Basic principles of Soviet law" by B. V. Sheindlin. Reviewed by M. S. Strogovich, D. A. Kerimov. Izv. vye. ucheb. zav.; prav. 6 no. 2:145-147 '62.
"Legal theories of imperialism" [in Polish] by Grzegorz Leopold Siedler. Reviewed by P. Nedbalto. Rad. pravo no. 1:139-141 [Ja-F] '63.
Some trends in the development of Soviet jurisprudence during the large-scale building of communism. S. S. Alekseev. Izv. vye. ucheb. zav.; prav. 6 no. 2:3-11 '62.
We should eliminate all traces of the personality cult in Soviet jurisprudence. P. Nedbalto, IE. Nazarenko. Rad. pravo no. 3:3-12 My-Je '62.
- LAW—STUDY AND TEACHING**
(see also subdivision under Donetsk Province; Kirovets; Ukraine)
Popularization of Soviet laws is an effective way to ensure a strict observance of socialist law. I. Kotov, IE. Siatmatov. Rad. pravo no. 2:38-41 Mr-Apr '68.
Moscow. Zaochnaya vysshaya partiinaya shkola. [Methodological instructions for the course "Fundamentals of Soviet law and the development of the Soviet state"] Metodicheskie ukazaniia k izucheniiu kursa "Osnovy sovetskogo prava i sovetskogo stroitel'stvo" dlia slushatelei ZVPSH pri TsK KPSS. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 50 p.

LAW—TERMINOLOGY

The terminology of court records. A. Poleshko. Rad. pravo no. 3:122-127 My-Je '62.

LAW SCHOOLS

(see also subdivision under Kharkov; Ukraine)
A conference on "Methodological problems in the training of university educated lawyers." N. A. Bellaev. Izv. vys. ucheb. zav.; prav. 6 no. 2:168-169 '62.

LAZAREV REGION, ANTARCTICA—OCEAN

Fluctuations in the level of the ocean in the area of Lazarev Station. L. I. Dubrovlin. Inform. biul. Sov. antark. eksp. no. 37:25-28 '62.

LAZAREV SHELF ICE—SNOW

Study of the stratigraphy of the upper layers of the firn snow cover of the Lazarev Shelf Ice. I. U. A. Kruchinin. Inform. biul. Sov. antark. eksp. no. 32:19-24 '62.
Temperature conditions in the active layer of the snow formation on the Lazarev Shelf Ice. I. U. A. Kruchinin. Inform. biul. Sov. antark. eksp. no. 36:7-11 '62.

LAZAREV STATION, ANTARCTICA—OCEAN BOTTOM

Bottom relief in the area of Lazarev Station. L. I. Dubrovlin. Inform. biul. Sov. antark. eksp. no. 32:27-28 '62.

LAZAREV STATION, ANTARCTICA—PENGUINS

From the life of penguins. G. Kononov. Inform. biul. Sov. antark. eksp. no. 36:48-49 '62.

LAZAREV STATION, ANTARCTICA—SNOW

In a snow and ice-covered station. L. Dubrovlin. Inform. biul. Sov. antark. eksp. no. 32:53-54 '62.

LEACHING

Experimental data on the leaching of quartz-feldspar and sandstones. I. U. M. Ipatko, P. K. Lashin, V. M. Lalo. Geol. zhur. 23 no. 1:89-92 '63.
Investigating by means of radioactive isotopes the time length of materials remaining and being mixed in continuous-action autoclave batteries in alumina plants. E. Buldakov, A. Imre, L. Tot. TSvet. met. 36 no. 4: 50-55 Ap '63.

LEAD INDUSTRY

(see also subdivision under Almaty)
Moscow, Tsentrallyy Institut informatsii i tekh. metalurgii. [The lead zinc industries of capitalist countries] Svyazno-izdatkovaya promyshlennost' kapitalisticheskikh stran, Moskva.
Pt. I. [Technical and economic survey] Tekhniko-ekonomicheskii obzor, 1962, 66 p.

LEAD INDUSTRY—BY-PRODUCTS

see subdivision under Altyn-Topkan

LEAD ORES

Methods of separating lead-copper concentrates. K. G. Bakinov. Obog. rud 7 no. 5:10-22 '62.
Sinter roasting of lead charge mixtures on a sintering machine with bottom blow, recirculation of gases and the use of oxygen. V. A. Mikheev, G. S. Gubaidullin. TSvet. met. 36 no. 4:27-35 Ap '63.

LEAD OXIDES

Illustrating the processes taking place in a blast furnace. Khim. v shkole 18 no. 1:78 Ja-F '63.

LEAD POISONING

Ermakov, E. V. [Chronic poisoning with tetraethyllead] Khronicheskoe otravlenie tetraetilsvintsom, Leningrad Medgiz, 1963, 98 p. (DNLM)

LEAD SULFIDE—ELECTRIC PROPERTIES

Effect of ion bombardment on the electric and photoelectric properties of lead sulfide. O. M. Arslanov, R. A. Berlaga, M. G. Vinogradov. Fiz. tver. tela 6 no. 3:950-961 Mr '63.

LEADERSHIP

V. I. Lenin on organizational activities and abilities [with summary in English]. L. I. Uman'skii. Vop. psikh. 9 no. 2:3-16 Mr-Apr '63.

LEAF BEETLES

see subdivision under Odessa Province

LEAF BUGS

Dangerous potato pest. A. K. Grigorian. Zashch. rast. ot vred. i bol. 8 no. 11:43 N '61.

LEAF MINERS—EXTIRPATION

see subdivision under Kamenets-Podolsky District

LEAST SQUARES

Corrections to normal equations in the least squares method for more accurate definition of crystalline structures. V. F. Dvorlankin, F. A. Brusentsev. Kristallografiya 7 no. 6:954-956 N-D '62.

LEATHER

Intensification of the soaking and liming processes in the manufacture of stiff leather. Kh. N. Rozenberg, P. R. Babchuk, L. I. Malii. Leh. prom. no. 1:32-34 Ja-Mr '63.

Refining of chrome leather with grain defects. B. M. Dushin, M. R. Litvinov, O. A. Uman'skii. Leh. prom. no. 1:31-32 Ja-Mr '63.

LEATHER, ARTIFICIAL

Salt-free porous artificial leather for shoe uppers. G. V. Lylyl and others. Leh. prom. no. 1:75-77 Ja-Mr '63.

LEATHER INDUSTRY

see subdivision under Mongolia

LEATHER INDUSTRY—AUDITING AND INSPECTION

Japirjan, G. P., and A. G. Morzon. [Analysis of the production work in leather factories] Analiz proizvodstvennoi delatel'nosti kozhevoynykh zavodov. Moskva, Rostekhizdat, 1962, 90 p. [MICROFILM]

LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES

Modernization of the bristle-plucking machine. P. R. Babchuk. Leh. prom. no. 1:47-48 Ja-Mr '63.

LEATHER RESEARCH

see subdivision under Ukraine

LEAVIS, FRANK RAYMOND

Remarkable figure of English literary criticism. D. Ur-nov. Vop. lit. 7 no. 2:96-99 F '63.

LEBANON—DESCRIPTION AND TRAVEL

The Lebanon; a photographic reportage. I. U. Lianev. Az. i Afr. seg. no. 4:46-47 Ap '63.

LEBEDEV, ALEKSEI ALEKSEEVICH, 1912-1941

Pagan of reminiscences. Nikolai Tikhonov. Znamia 33 no. 2:102-116 F '63.

LEBEDYAN—CANNING INDUSTRY

Value of the cooperative trademark. S. Zharkov. Sov. potreb. koop. 7 no. 2:30-34 F '63.

LECTURES AND LECTURING

Do you know how to speak? Lev Kassil'. Komsom. zhizn' no. 4:24-27 F '63.
Methodical advice. Mezhdunar. zhizn' 10 no. 5:156-160 My '63.

LEECHES

(see also subdivision under Amur Valley)
Preservation of medicinal leeches in medical institutions. Z. G. Gurvich. Med. austra 21 no. 11:55-58 N '62.

LEG—ULCERS

Treatment of obliterating endarteritis and trophic ulcers of the shin by subcutaneous injection of oxygen in a polyethylene. L. S. Musaelian. Sbor. nauch.-pr. rab. Pol'skii. im. F. E. Dzerzh. no. 2:120-144 '61.

LEGAL AID

see subdivision under Chernobay District

LEGAL ETHICS

Downfall of a reputation. V. Volkov. Sov. iust. no. 8: 27-30 Ap '63.

LEGAL RESEARCH

(see also subdivision under Ukraine)
A society of public prosecutors of the Armed Forces. G. Dordoev. Sots. zakon. 39 no. 7:46-47 Ji '62.

LEGENDS

see subdivision under Crimea

LEGISLATIVE BODIES

see subdivision under Great Britain; Latvia

LEGUMES—CONGRESSES

Seminar on pulse crops. Zemledelo 25 no. 1:76-70 Ja '63.

LEGUMINOSAE

Seed oil of *Gossypia polycarpa*. A. L. Markman, A. I. Glushchenko. Uzb. khim. zhur. 7 no. 1:61-65 '63.

LEISHMANIASIS

see subdivision under Ashkhabad; Turkmenistan

LEISHMANIASIS—CONGRESSES

Report on the Scientific Conference on Leishmaniasis. E. M. Belova, V. M. Katkov. Vop. kraev. paraz. Turk. SSR 3:291-293 '62.

LEISHMANIASIS—RESEARCH

see subdivision under Turkmenistan

LEISURE

Akademiya nauk SSSR, Sibirskoe otdeleniye. Institut ekonomiki i organizatsii promyshlennogo proizvodstva. [The worker's leisure] Vnerabochee vremia trudiaschikh. Pod obshch. red. G. A. Prudenskogo. Novosibirsk, 1961, 265 p., diagr., forms. (CSU-H)

Shortening of the workday and the problem of the efficient use of leisure time. T. P. Alekseeva, V. P. Shchedronok. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Polit. ekon. no. 5:126-147 '62.

LEMON

see subdivision under Turkmenistan

LENA VALLEY—BIRDS

Ornithological observations in the lower reaches of the Lena River (to be continued). V. I. Kapitonov. Ornithologia no. 4:40-62 '62.

LENA VALLEY—BRACHIOPODA, FOSSIL

Brachiopoda of Krestyakh conglomerates from the Lena estuary. N. N. Lapina. Trudy VNIIGI no. 198, Paleont. sbor. no. 3:125-149 '62.

LENA VALLEY—PEBBLES

Wind-faceted pebbles in Quaternary sediments of the lower Lena Valley. A. I. Medvedev. Biul. Kom. chetv. per. no. 27:146-151 '62.

LENGTH MEASUREMENT

Measuring small radii of curves. I. M. Pastukhov. Izv. tekhn. no. 8:26-27 Ag '62.

LENIN, VLADIMIR IL'ICH, 1870-1924

Basic sources of V. I. Lenin's pamphlet "The new factory law" and his methods of scholarly analysis. B. N. Kazantsov. Vop. ist. 38 no. 4:102-108 Ap '63.

Beriketov, K. G. [Lenin and the peoples of the Caucasus] Lenin i narody Kavkaza. Pod obshch. red. F. D. Kretova. Nauch. kn. izd. Kavkazskoe knizhnoe izd-vo, 1961, 177 p. (CSU-H)

Burikina, L. M. [V. I. Lenin and classical Russian literature] V. I. Lenin i russkaya klassicheskaya literatura; posobie dlia biblioteknykh rabotnikov. Minsk, M-vo vysshego, srednego spetsial'nogo i professional'nogo obrazovaniya BSSR, 1961, 35 p. (MII)

Creator of the state of workers and peasants. Rad. pravo no. 2:3-8 Mr-Apr '63.

The 88th anniversary of V. I. Lenin's birth. Rad. pravo no. 2:3-8 Mr-Apr '63.

Favorite song. S. D. Sov. muz. 27 no. 4:11-12 Ap '63.

Filmstrips on V. I. Lenin. V. Launberg. Nar. obr. no. 4: 76 Ap '63.

First time in the Moscow Art Theater. S. Dreiden. Teatr 24 no. 4:23-27 Ap '63.

Great invigorating power of Leninism. Vop. filos. 17 no. 4:3-15 '63.

He met Il'ich. E. Radukhillov. Za bezop. dvizh. 5 no. 4:1-2 Ap '63.

He played for V. I. Lenin. E. Kolobkova. Ukraina no. 7: 2 Ap '63.

A hunter's son. V. Vysheveitskiy. Ukraina no. 7: 14 Ap '63.

Rezhin, B. I. [V. I. Lenin on the Tambov territory] V. I. Lenin o Tambovskom krae, [Tambov] Tambovskoe knizhnoe izd-vo, 1960, 26 p.

In the name of Lenin. F. Petrov. Mol. komm. no. 11: 3-10 N '62.

Krupskaya, N. K. [Our very best friend; from reminiscences about Lenin] Nash samyi lyubimyi drug; iz vospominaniy o Lenine. Moskva, Delgiz, 1963, 124 p. (Shkol'naya biblioteka)

"Lenin and the problems of atheism" by M. I. Shakhnovich. Reviewed by S. V. Urovskaia. Vop. filos. 18 no. 4:140-150 '63.

Lenin and Soviet natural science. G. Piatonov. Polit. samobor. 7 no. 3:11-19 Mr '63.

Lenin, Asia, Africa. Abd al-Wahhab al-Bayati. Az. i Afr. seg. no. 4:1-2, 7 Ap '63.

Lenin listens to Beethoven. S. Dreiden. Sov. muz. 27 no. 4:5-11 Ap '63.

Lenin read these books. I. Lukachovskaya. Sov. knizh. tovg. 14 no. 4:3-4 Ap '63.

The Lenin summons to join the party; based on materials of the Yemsky Government. I. P. Panov. Trudy Sib. tekh. inst. no. 30:5-22 '61.

Lenin visited these libraries. M. Burenkova. Bibliotekar' no. 4:8-9 Ap '63.

Leninist principles of the administration of justice in the U.S.S.R. Sov. iust. no. 8:1-2 Ap '63.

Lenin's ideas are our strength. Teor. i prak. fil. kul't. 26 no. 4:1-6 Ap '63.

Lenin's method of creative research. I. Gladkov. Vop. ekon. no. 4:3-19 Ap '63.

Lenin's principle of peaceful coexistence and modern times. I. Lenin. Mir, ekon. i mezhdunar. otn. no. 4: 3-15 '63.

Lenin's principles of control are put into operation. R. Vinokur, G. Ereemova, F. Mikheev. Fin. SSR 37 no. 4:15-25 Ap '63.

Let's learn from Lenin. Sots. obosp. 24 no. 4:1-3 Ap '63.

Mat'ias, O. A. [A guide to those who independently study V. I. Lenin's work "What is to be done?" V. pomechch' samostoiatel'no izuchavushchima proizvedeniya V. I. Lenina "Chto delat'?" uchobnoe posobie dlia studentov-zachnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962, 36 p.

More living than all the living. I. Shcherbakova. Bibliotekar' no. 4:4-6 Ap '63.

Moscow, Institut marksizma-leninisma. [Vladimir Il'ich Lenin; a biography] Vladimir Il'ich Lenin; biografiya. Izd. 2. Moskva, Gospolitizdat, 1963, 702 p.

New document of V. I. Lenin. Kommunist 40 no. 8:3-10 Ap '63.

Parcel from Il'ich. Pavlo Makrushenko. Shkola-ist. no. 2:4 Mr-Apr '63.

"Problems of the coincidence of dialectic, logic, and theory of knowledge in V. I. Lenin's 'Philosophical notebooks'" by A. Kh. Kasymzhanov. Reviewed by R. Sulaimenov. Part. zhizn' Kazakh, 33 no. 3: 73-76 Mr '63.

LENNINGRAD—SOCIAL PROBLEMS

Maksim is trying to expiate his fault. V. L. Liozovskii. Sov. deput, trud, no. 4:70-78 Ap '63.

LENNINGRAD—STOMATOLOGY

Organization of stomatological aid in Leningrad. N. I. Kolegov. Zdrav. Ros. Feder. 6 no. 10:16-20 O '62.

LENNINGRAD—SUBWAYS

"Lenin Square." A. K. Andreev. Stroi. i arkhit. Len. 24 no. 12:33 D '62.

LENNINGRAD—TELEPHONE

Conversion of the low-frequency amplifiers of V-12, K-12, and K-24 apparatus of the SIP ways to translator operation. N. A. Semenov. Vest. aviatsii 23 no. 4:19-21 Ap '63.

LENNINGRAD—THEATER

Time does not wait. Nikolai Cherkasov. Teatr 24 no. 4:28-35 Ap '63.

LENNINGRAD—WALL NEWSPAPERS

Lunenko, G. I. [The party organization and the press] "Partiinaya organizatsiya i pechat". Moskva, Gospolitizdat, 1962. 77 p. (Biblioteka sekretaria povychnoi partiinoi organizatsii, no. 3)

LENNINGRAD—WELDING

The party group is the soul of the collective. A. Likhnachev. Part. zhizn' no. 8:53-55 Ap '63.

LENNINGRAD ECONOMIC REGION—INDUSTRIAL ORGANIZATION

Production combines in Leningrad. I. Pavlova. Sots. trud 8 no. 4:66-70 Ap '63.

LENNINGRAD PROVINCE—ALGAE

New finds of Vaucheria in Leningrad Province. L. M. Zaur. Bot. zhur. 48 no. 2:264-266 F '63.

LENNINGRAD PROVINCE—BANKS AND BANKING

Production combines and bank control. N. Pozdnakov. Den. i kred. 21 no. 4:12-10 Ap '63.

LENNINGRAD PROVINCE—INDUSTRIAL HYGIENE

Glorious tradition of Leningrad Province residents. Okhr. truda i sots. struk. no. 4:10 Ap '63.

LENNINGRAD PROVINCE—INDUSTRIAL ORGANIZATION

Production combines and bank control. N. Pozdnakov. Den. i kred. 21 no. 4:12-16 Ap '63.

LENNINGRAD PROVINCE—INDUSTRIES

Influence of the frequency of the expenditure of raw materials upon working capital. A. Latkov. Fin. SSSR 37 no. 3:27-33 Mr '63.

LENNINGRAD PROVINCE—KINDERGARTENS

Best kindergartens of Leningrad Province. A. Pavlova. Doshk. vosp. 36 no. 2:81-82 F '63.

LENNINGRAD PROVINCE—LABOR LAWS AND LEGISLATION—STUDY AND TEACHING

Explanation of labor legislation. I. Motova. Sots. trud 8 no. 4:120-121 Ap '63.

LENNINGRAD PROVINCE—LINNETS

Feeding habits of the young of the Linnet Acanthis cannabina L. I. V. Prokof'eva. Nauch. dokl. vuz. shkoly; biol. nauch. no. 2:46-48 '63.

LENNINGRAD PROVINCE—MACHINERY INDUSTRY—MANAGEMENT

Effect of the administrative structure on work indices. A. Stepanov. Sots. trud 8 no. 4:71-74 Ap '63.

LENNINGRAD PROVINCE—MATERIALS

Influence of the frequency of the expenditure of raw materials upon working capital. A. Latkov. Fin. SSSR 37 no. 3:27-33 Mr '63.

LENNINGRAD PROVINCE—WRENS

Food of wrens in Leningrad Province. I. V. Prokof'eva. Ornitologiya no. 4:99-102 '62.

LENNINGRAD REGION—GEOLOGICAL TIME

New data on the absolute age of Altrid sediments in the vicinity of Leningrad. L. R. Serebrianniy, A. L. Devirtis, N. G. Markova. Bluz. Kom. chetv. per. no. 27: 151-153 '62.

LENNINGRAD (EAST KAZAKHSTAN PROVINCE)—ORE DRESSING

Improving the operation of crushing and grinding departments in plants of the Leningradsk Combine. V. S. Kopylov, E. I. Solomennikov, V. K. Tugarinov. Obog. rud. 7 no. 4:51-54 '62.

LENSES

Calculation of isoplanatic systems. A. P. Dmitriyev. Izv. vuz. ucheb. zav.; prib. 6 no. 2:90-106 '63.

LENSES, PHOTOGRAPHIC

Homemade telephoto lens. D. Starodub. Nauka i zhytiye 12 no. 2:62 F '63.

LEPEL' DISTRICT—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Devoted mother. A. Pozniak. Belarus' 20 no. 3:9 Mr '63.

LEPESOVKA REGION—ANTIQUITIES

Archaeological excavations at the third-fourth century settlement near the Lepesovka village in 1957-1959. M. A. Tikhonova. Sov. arkheol. 7 no. 2:178-191 '63.

LEPSKII, MARK MOISEEVICH, 1910-1961

Mark Moiseevich Lepskii; obituary. Biul. VAGO no. 33: 51-52 '63.

LERMONTOV, MIKHAIL IUR'EVICH, 1814-1841

"... Brilliant, but of no consequence." Z. Vladimirova. Teatr 24 no. 4:44-52 Ap '63.

"M. I. Lermontov's 'A hero of our times'." Reviewed by A. Mogilianskii. Vop. lit. 7 no. 2:233-235 F '63.

Nikolaeva, M. F. [Mikhail Iur'evich Lermontov; his life and works] Mikhail Iur'evich Lermontov; zhizn' i tvorchestvo. Moskva, Gos. izd-vo detskoi lit-ry, 1956. 293 p. (OU)

LESHUKONSKOYE—COMMUNIST YOUTH LEAGUE

Raisa Prokashina, a propagandist. N. Antipov. Mol. komm. no. 2:111-112 F '63.

LETAVA—HISTORICAL MUSEUMS

People's museum on a collective farm. S. Babishin. Nur, obr. no. 4:75 Ap '63.

LEUCOCYTES

Obtaining dried leucocytes and experimental study of their action [in Armenian with summary in Russian]. M. E. Mirzoeva. Azerb. med. zhur. no. 2:67-71 F '62.

Relation of leucocytal reactions with the healing process of burn wounds [with summary in English in insert]. A. I. Zubakina, L. I. A. shepte. Ortop., travm. i protez. 23 no. 11:82-86 N '62.

LEUCOCYTES—ABNORMALITIES AND DEFORMITIES

Peiger's leucocyte anomaly and constitutional shift to the right of neutrophils. V. I. A. Shats. Vrach. delo no. 3: 133-135 Mr '63.

LEUCOCYTOSIS

Leukocytosis focus in acute appendicitis. M. P. Shatakhian, E. B. Babalan. Sov. med. 26 no. 1:111-113 Ja '63.

LEUCOXENE see subdivision under Kola Peninsula

LEUKEMIA

Acute leukemia in elderly and senile persons. T. V. Korovina. Trudy Kish. gos. med. inst. 12:125-128 '60.

Trace elements and leukemias. V. A. Leonov. Pediatr. in 41 [L. e. 42] no. 2:21-24 F '63.

LEVEL INDICATORS

Magnetic-mercury level indicators for loose materials and liquids. O. V. Monastyrskii. Mekh. stroi. 20 no. 4:27-28 Ap '63.

LEVELING

Using the method of microleveling for increasing the efficiency of the check of rectilinearity. L. L. Mediantseva, V. V. Gorbacheva. Izv. tekhn. no. 8:22-23 Ag '62.

LEVKO, VALENTINA

Valentina Levko. Anatolii Orfenov. Sov. muz. 27 no. 4: 90 Ap '63.

LIABILITY (LAW)

"Ancillary obligations in labor law" by M. I. Baru. Reviewed by T. Syhylyk, M. Shvedenko. Rad. pravo no. 2: 147-150 Mr-Apr '63.

Dolinkova, A. M. [Liability for damages caused to minors or to adults placed under guardianship] Otvetstvennost' za vred. prichinennyi maloletnim i nenosovremennym litsam; lektsiya. [Moskva] Izd-vo Mosk. univ., 1963. 27 p.

Let us increase liability for the loss of socialist property. A. Vitkovskii, A. Kolobov. Sov. iust. no. 8:9-11 Ap '63.

Liability for loss caused by the acts of persons not legally responsible. L. Maldanik. Sots. zakon. 39 no. 7: 31-33 Ji '62.

LIABILITY FOR ANIMALS

Let us strictly observe Soviet laws in the examination of cases concerning the liability for loss caused to collective and state farm fields by cattle. I. Bachiylenko. Rad. pravo no. 2:101-103 Mr-Apr '63.

LIBERTY OF CONSCIENCE

The decree on freedom of conscience. I. U. Rozenbaum. Nauka i rol. 4 no. 2:35-36 F '63.

LIBRARIANS

Be conscientious and high-principled. M. Titovskaya. Bibliotekar' no. 2:20-22 F '63.

Former soldier is now a librarian. M. Zubavlenko. Bibliotekar' no. 2:52-53 F '63.

LIBRARIES

(see also subdivision under Kazakhstan; Kirov; Krasnoyarsk; Lithuania; Lvov; Minsk; Moscow; Novosibirsk; Novosibirsk)

The book goes to every home. M. Shevel'. Bibliotekar' no. 2:30-31 F '63.

Brief news. Bibliotekar' no. 4:63 Ap '63.

Brief news. Sov. bibl. no. 1:97-100 '63.

Give voluntary initiative the "go" sign. V. Striganov. Bibliotekar' no. 2:1-3 F '63.

Lenin's legacy is realized. Bibliotekar' no. 4:1-3 Ap '63.

Letters to the editor. Bibliotekar' no. 2:62-63 F '63.

The library is a center of political education.

G. Tkachev. Bibliotekar' no. 2:23-24 F '63.

"The library soviet." Reviewed by A. Aramozov.

Bibliotekar' no. 4:53-55 Ap '63.

Meditation in the bookshelves. T. Korolenko. Bibliotekar' no. 4:56-57 Ap '63.

Moscow. Gosudarstvennyi biblioteknyi institut. [Acquisitions and the organization of library collections] Kompleksovanie i organizatsiya biblioteknykh fondov; uchebno-metodicheskoe posobie. Moskva, 1962. 38 p.

With a communist conscience. N. Shmuniak. Bibliotekar' no. 2:32-33 F '63.

LIBRARIES—SPECIAL COLLECTIONS

Working with foreign literature. F. G. Otkh. Opyt. rab. bibliot. s lit. no. 5:17-22 '63.

LIBRARIES, CHILDREN'S

From carrying primers to public debates. I. Parushevskii. Bibliotekar' no. 2:43-45 F '63.

How we work with newspapers and magazines.

A. Kolobova, N. Markova. Bibliotekar' no. 2:45-48 F '63.

Let us teach how to select books. A. Anastas'eva.

Bibliotekar' no. 4:35-37 Ap '63.

Literary matinees for children. F. Karpova.

Bibliotekar' no. 2:41-42 F '63.

LIBRARIES, NAVAL

Seminar of Workers in Technical Libraries of the Ministry of the Merchant Marine. Biul. tekhn. - ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:136-138 '62.

LIBRARIES, THEATRICAL see subdivision under Moscow

LIBRARIES, UNIVERSITY AND COLLEGE

The structure of university libraries. T. P. Pysheva. Bibliot. SSSR no. 2:34-47 '62.

LIBRARIES AND READERS

(see also subdivision under Chelyabinsk; Kirghizistan; Uzbekistan)

The connection with industrial management.

E. Solgina. Bibliotekar' no. 2:17-19 F '63.

He grew up in the friendship of books. V. Sarkisov.

Bibliotekar' no. 4:14-15 Ap '63.

Industrial books by subscription. E. Torgovanova.

Bibliotekar' no. 2:9-11 F '63.

The library as an aid to readers studying foreign languages without a teacher. O. D. Kuznetsova. Opyt.

rab. bibliot. s lit. no. 5:6-13 '63.

Make fuller use of foreign literature for acquiring proficiency in languages. G. N. Brachikova, N. P. Piatina.

Opyt. rab. bibliot. s lit. no. 5:23-32 '63.

The path to knowledge. F. Bolotnikova. Klub 12 no. 2: 7 F '63.

Promote technological progress. N. Vil'chur.

Bibliotekar' no. 2:7-9 F '63.

Promoting plans for the national economy. M. Popov.

Bibliotekar' no. 4:59 Ap '63.

Providing teachers and students with foreign literature.

E. K. Vasil'eva-Chebotareva. Opyt. rab. bibliot. s lit. no. 5:33-37 '63.

[The role of the public in the work of the library] Rol' obshchestvennosti v rabote bibliotek. Moskva, Gos.

biblioteka SSSR, Im. V. I. Lenina, 1963. 61 p.

(Obshchestvennyye nachala - v biblioteknoe delo)

Sadova, M. A. [In quest of books; bibliographical

searching to answer readers' requests] V poiskakh knigi; bibliograficheskie razyskaniya pri vypolnenii chitatel'skikh trebovaniy. Pod red. i s predisl. M. A.

Briskmana. Moskva, Izd-vo Vses. knizhnoe palaty, 1963. 83 p.

School of culture. O. Kashakova. Bibliotekar' no. 4: 40-41 Ap '63.

To those recollecting a new specialty. A. Tamarzhinskaya.

Bibliotekar' no. 4:18 Ap '63.

Work of the foreign literature section in the light of the decisions of the 22d Congress of the CPSU. E. M.

Sevost'yanova. Opyt. rab. bibliot. s lit. no. 5:3-5 '63.

LIBRARY CATALOGS

For an efficient system of catalogs. E. Zastenker.

Bibliotekar' no. 4:46-48 Ap '63.

LIBRARY CONFERENCES

First library congress in Soviet Russia. M. A. Smushkova.

Bibliot. SSSR no. 2:119-135 '62.

Joint conference of college libraries of the Volga Valley. V. A. Artisevich. Sov. bibl. no. 1:89-91 '63.

LIBRARY LEGISLATION

Fortieth anniversary of Lenin's decree concerning libraries. N. G. Chagina. Trudy LGBI 9:3-11 '61.

- LIBRARY SCHOOLS AND TRAINING**
Higher library training. Bibliotekar' no. 4:42-46 Ap '63.
[Training and improving the qualifications of volunteer librarians] Podgotovka i povycheniye kvalifikatsii bibliotekarey-obshchestvennikov. Moskva, Gos. biblioteka SSSR im. V.I. Lenina, 1963. 21 p. (Obshchestvennye nachala - biblioteknoe dolo)
- LIBRARY SCIENCE**
Overcoming the lag. G. Fonotov. Bibliotekar' no. 2: 36-40 F '63.
- LICHEN RUBER**
Diagnosis, clinical aspects, and treatment of lichen ruber planus of the mucous membrane of the oral cavity. V.S. Ivanov, A.M. Pomerantseva. Stomatologiya 41 no. 5:12-16 S-O '62.
- LIDA DISTRICT—SWINE—FEEDING AND FEEDS**
They kept their promise. I. Leshanuk. Rab. i sel. 30 no. 2:4 F '63.
- LIE ALGEBRAS**
Classification of the real structures of Lie algebras of the fifth order. G.M. Mubarakzhanov. Izv. vyz. ucheb. zav.; mat. no. 3:90-106 '63.
- LIENS**
Judicial practice in cases concerning the exclusion of some items from liens on property. I.A. Panchenko, S. Kats. Rad. pravo no. 2:124-128 Mr-Apr '63.
- LIFE ON OTHER PLANETS**
Facts, surmises, and assumptions. O. Oparin. Nauka i zhizn' 12 no. 2:21-22 F '63.
Telescopes are directed into space. B. Novopashnyi. Nauka i zhizn' 12 no. 2:23-24 F '63.
What do you think about the possibility of extraterrestrial life? S. Shostakovskiy, H. Mel'nykov, I. Astapovich. Nauka i zhizn' 12 no. 2:30-31 F '63.
- LIFE SUPPORT SYSTEMS (SPACE ENVIRONMENT)**
Role of the photoadaptation and photoreactivation of plants in space flight [with summary in English]. A.A. Shakhov, S.A. Stanko, V.S. Khazanov. Probl. kosm. biol. 2:340-353 '62.
- LIGAMENTS—WOUNDS AND INJURIES**
Effect of formed blood elements on the healing of wounds of tendons and ligaments. A.A. Kuz'minykh. Trudy Kras. SKHI 3 no. 1:81-89 '60.
- LIGATURE (SURGERY)**
Use of linen thread in surgery as suture and ligature material. V.V. Semerdzhian. Med. sestra 21 no. 12: 50-51 D '62.
- LIGHT—PHYSIOLOGICAL EFFECT**
Mechanisms of the response of reorganization of the rhythm of the electroencephalogram. Report No. 1: Nature of the response to a high-frequency light stimulation. A.L. Supin. Nauch. dokl. vyz. shkoly; biol. nauk no. 2:94-100 '63.
On the classification of sexual cycles in bony fishes. O.B. Chernyshov. Vysnyy Kyiv, un. 1. Ser. biol. no. 2:123-126 '60.
- LIGHT—SCATTERING**
Application of a white disk for the determination of the coefficients of absorption and scattering of light in turbid media. V.A. Timofeeva. Izv. AN SSSR. Ser. geofiz. no. 4:621-626 Ap '63.
Light dispersion in the exciton absorption region. V.N. Piskovoi. Fiz. tver. tela 5 no. 3:701-708 Mr '63.
Photoelectric apparatus for studying dispersive systems by means of light scattering. M.B. Rapoport. Trudy Inst. nefi AN Kazakh. SSSR 4:168-170 '61.
- LIGHT—TRANSMISSION**
Use of light guides for concentrating solar energy. V.B. Veinberg, D.K. Sattarov. Svetotekhnika 9 no. 3:1-6 Mr '63.
- LIGHT FILTERS**
Interference light filters transmitting the short-wave and reflecting the long-wave spectral regions. M.A. Glain, G.A. Nesmelov. Opt. i spektr. 14 no. 3:395-400 Mr '63.
Multicolor light filter. V.M. Gusev. Tekh. kino i telev. 7 no. 4:66-67 Ap '63.
- LIGHT FILTERS—DESIGN AND CONSTRUCTION**
Example of designing an interference light filter by the method of consecutive synthesis. A.V. Shatilov, L.P. Tlutkova. Opt. i spektr. 14 no. 3:426-429 Mr '63.
- LIGHT METALS**
Snolin, P.P. [Metals of the 20th century] Metallurgy. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. XII Seriya: Geologiya i geografika, no. 5)
- LIGHT METALS INDUSTRY—EQUIPMENT AND SUPPLIES**
Mechanized, closed, flowless transportation and pouring of light metals and their alloys. V.S. Astaulov. TSvet. met. 36 no. 4:69-78 Ap '63.
- LIGHTING—ABSTRACTS**
Optics and lighting engineering. Tekh. kino i telev. 7 no. 4:86-89 Ap '63.
- LIGHTWEIGHT CONCRETE**
(see also subdivision under Armenia)
Improving the production and quality of foamed concrete by using a new type of foamed-concrete mixer. V.S. Zlatanov, N.B. Dzhabarov. Stroitel. mat. 9 no. 3:39-40 Mr '63.
In the State Institute for the Planning of Rural Construction. Diul. stroit. tekhn. 20 no. 4:45-46 Ap '63.
Novikov, B.A. [Handbook on accident prevention for workers in the production of foamed and air-entrained concrete] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri proizvodstve peno- i gazobetona. Moskva, Gosstroizdat, 1962. 31 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)
- LIGHTWEIGHT CONCRETE—THERMAL PROPERTIES**
Heat conductivity of keramzit concrete. N.IA. Spivak and others. Bet. i zhelezo. bet. 9 no. 3:137-140 Mr '63.
- LIGNIN**
Studying the structure of cotton plant lignin by the method of destructive reduction with metallic sodium solution in liquid ammonia. Kh.R. Nilazov, N.N. Shorygina. Izv. AN SSSR. Old. khim. nauk no. 3:563-565 Mr '63.
- LIGNITE** see subdivision under Czechoslovakia
- LIKHTERMAN, BOLES LAV VLADIMIROVICH, 1902-**
Boleslav Vladimirovich Likhterman; on his 60th birthday. M.A. Borodina, A.A. Shatrov. Vop. kur., fiziolog. i lekhn. fil. kul't. 28 no. 1:81-92 '63.
- LILIES OF THE VALLEY**
Use of convallatoxin in circulatory insufficiency. A.M. Dedash'ian. Kaz. med. zhur. no. 5:52-53 S-O '62.
- LIME**
Using an electron microscope to study lime suspensions. G.I. Knigina. Izv. vyz. ucheb. zav. i shkoly. 6 no. 3:131-137 '63.
- LIMEKILNS**
Transfer of a shaft limekiln to mazut. V.A. Valvovis. Stroitel. mat. 9 no. 3:23-25 Mr '63.
- LIMEKILNS—MODELS**
Operating model of a lime kiln. A.A. Kamenskikh. Khim. v shkole 18 no. 1:67-69 Ja-F '63.
- LIMESTONE**
Effect of the microstructure of limestone on the petrographic nature of Portland cement clinkers and the hardness of cement. S.A. Fataliev. Dokl. AN Azerb. SSR 19 no. 1:41-44 '63.
Mechanized laying of soft limestone pavements. D.A. Rudenko, P.A. Lobas. Avi. dor. 26 no. 4:10-11 Ap '63.
Preserved sunshine. O. Shchukin. Nauka i zhizn' 30 no. 1:37 Ja '63.
- LIMESTONE—TESTING**
Experimental determination of kinetic characteristics of the thermal disintegration of limestone. E.S. Kichkina. Trudy Giprotsement no. 24:14-25 '62.
Solubility of limestones in natural water. M.G. Dobrolyubskaya, A.N. Il'chenko. Gidr. stroit. 33 no. 2:48 F '63.
- LINEAR DIFFERENTIAL EQUATIONS** see Differential equations, Linear
- LINEAR EQUATIONS**
Derivation of periodic solutions to a nonautonomous quasi-linear system with two degrees of freedom. G.V. Plotnikova. Prikl. mat. i mekh. 27 no. 2:365-369 Mr-Apr '63.
Solutions of linear algebraic systems. A.L. Brudno. Probl. kib. no. 8:187-190 '62.
Periodic solutions to quasi-linear autonomous systems containing first integrals. I.U. Arkhangelskii. Prikl. mat. i mekh. 27 no. 2:369-372 Mr-Apr '63.
Solution to an infinite system of linear algebraic equations in a class of growing sequences. F.D. Berkovich. Dokl. AN SSSR 149 no. 3:495-498 Mr '63.
Stabilization of improperly stipulated systems of linear algebraic equations using Jacoby's method. S. Falk. Zhur. vych. mat. i mat. fiz. 3 no. 2:359-361 Mr-Apr '63.
- LINEAR PROGRAMMING**
Moscow. Institut Gornogo dela imeni A.A. Skochinskogo. [Texts of reports read at the session of the committee on problems in using mathematical methods and computer techniques in mining] Teksty dokladov i soobshchenii na sessii uchenogo soveta po voprosam primeneniia matematicheskikh metodov i vychislitel'noi tekhniki v gornom dele. Moskva, No. 1, 1962. 64 p. (MICROFILM)
- LINGUISTIC RESEARCH**
All-Union Conference of Linguists. F.K. Kamalov. Obshchestv. nauki v Uz. 7 no. 2:87-89 '63.
- LINNETS** see subdivision under Ornithology
- LINOLEIC ACID**
Effect of a series of hydrocarbons on the rate of irradiation of the skin on the lips. A.Z. Babayev. Nauch. dokl. vyz. shkoly; inst. inst. kur. i fil. metod. lekhn. no. 2:104-105 '63.
- LINOLEUM**
Kainins, M.M. [Laying linoleum; technology and materials] Nastilka linoleuma; stroitel'skiye materialy. Riga, TSentr. bure tekhn. informatsii, 1962. 26 p. (Listok tekhnicheskoi informatsii) [MICROFILM]
- LIPASE**
Substrate specificity of animal lipases and methods of determining their activity. N.I. Il'chenko, M. Z. Kik. Ukr. biokhim. zhur. 34 no. 5:715-719 '62.
- LIPETSK PROVINCE—CLEANS (WATER)**
Let's be considerate to young generations. T. G. Sov. notreb. koop. 7 no. 2:39 p '63.
- LIPETSKOYE—ATHEISM**
The new life of the inhabitants of Lipetsk. A. G. dova. Nauka i rel. 4 no. 2:60-73 S '62.
- LIPID METABOLISM**
Comparison of some indices of fat metabolism with atherosclerotic coronary disease [with summary in English]. K. Heidemanis. Izv. AN Latv. SSR. Med. i biol. 1: Effect of citric acid on the incorporation of acetate-1-C¹⁴ into the liver lipids of rats [with summary in English]. M.H. Zhuravskaya. Ukr. biokhim. zhur. 34 no. 5:715-719 '62.
- LIPIDS**
Changes in the protein and lipid fractions of the serum in the compound treatment of chronic suppurations. V.N. Sapozov. Vop. kur., fiziolog. i lekhn. fil. kul't. 28 no. 1:21-26 '63.
Chemical composition of lipids of some bacteria [with summary in Russian]. A. G. turlian. Ukr. biokhim. zhur. 34 no. 5:715-719 '62.
International Congress of Biochemistry, 1962. [Biosynthesis of lipids; symposium VII. Moscow, 1962. 429 p. (Trudy) nauk SSSR, 1962. 429 p. (Trudy)]
Separation and identification of fatty acids by the method of the spin-disk by the method of electrophoresis and by paper chromatography. M. V. Nauch. dokl. vyz. shkoly; biol. nauk no. 2:104-105 '63.
Study of the lipid level in the blood of the inhabitants of a rural locality and of those suffering from atherosclerosis; results of expedition work in the Altai and Stan provinces. V.I. Umlidova, L. B. Lazarenko. Med. zhur. Uz. no. 5:3-5 '63.
- LIPONIKOV, GEORGI NAZAROVICH**
The best captain. Mor. flot 23 no. 1:41 Ja '63.
- LIQUID CRYSTALS**
Thermodynamics of mesophases and the properties of polymers and liquid crystals. V.K. Prim. ul' traukust. k. iasl. veshch. no. 1:1-14 '63.
- LIQUID FUELS**
Experimental investigation of the properties of natural and emulsified liquid fuels. P.I. Nefedov. Trudy IOI 19:15-17 '63.
- LIQUID HELIUM—ACOUSTIC PROPAGATION**
Propagation of sound near the λ -point in liquid solutions. D.G. Sanikidze. Trudy IOI 19:15-17 '63.
- LIQUID HYDROGEN**
Measurement of the refractive index of liquid hydrogen. A.V. Balonogov, V.M. Gorbunkov. Opt. i spektr. 14 no. 3:438-440 Mr '63.
- LIQUID METALS**
Calculating the volume of a lying drop. Fiz. met. i metalloved. 16 no. 3:478-479 '63.
Effect of nitrogen on the surface tension of liquid metals. K.T. Kurochkin, B.A. Baum, E.K. Effect of nitrogen on the surface tension of liquid metals. K.T. Kurochkin, B.A. Baum, E.K. met. i metalloved. 16 no. 3:481-482 '63.
- LIQUID METALS—ANALYSIS**
Behavior of magnesium cast iron components during solidification. A.IA. Khrapov, V.I. Rudakov. no. 4:16-18 Ap '63.
- LIQUID OXYGEN**
Diffusion of slow neutrons through liquid oxygen. Starodubtsev, B.I. Khrushchev. Izv. AN SSSR. fiz. i mat. nauk 7 no. 1:51-55 '63.
- LIQUIDS**
Experimental investigation of the rate of evaporation of a drop of liquid in a stationary high temperature medium. V.M. Ivanov, E.V. Smirnova. Vopr. fiz. 58 '62.

LIQUIDS—ACOUSTIC PROPERTIES

Apparatus for ultrasonic measurements in liquids in a wide range of frequencies and temperatures using a single quartz plate. V. P. Akhmaladze, V. I. Semin. *Pril. ul'trakust. k. issl. veshch.* no. 16:177-182 '62.

Calculation of the sound velocities along the saturation line in the binary mixture benzene - methyl alcohol. G. D. Tarantova. *Pril. ul'trakust. k. issl. veshch.* no. 16:139-148 '62.

Law of corresponding states as applied to binary liquid mixtures. G. D. Tarantova, V. F. Nozdrev. *Pril. ul'trakust. k. issl. veshch.* no. 16:147-154 '62.

Measurement of ultrasound absorption in liquids using the stream method. K. P. Nikonov, B. B. Kudrinskiy. *Pril. ul'trakust. k. issl. veshch.* no. 16:183-190 '62.

Resonance method of measuring the speed of sound in liquids. G. A. Samgina. *Pril. ul'trakust. k. issl. veshch.* no. 10:33-37 '62.

LIQUORS

Moscow. Tsentral'nyi nauchno-issledovatel'skii institut spirtovoi i likero-vedochnoi promyshlennosti. [Formulas for liqueur, fruit liqueur, punch, dessert beverages, herb infusions, and instructions for the preparation of semiprocessed products for their manufacture] Retseptury likerov, nalivok, punshoi, desortnykh napitkov, nastoek i instruktsiya po prigotovleniyu polufabrikatov k nim. Moskva, Pishchepromizdat, 1962. 221 p.

[MICROFILM]

LIQUORS—GAUGING AND TESTING

Device for the regulation and measurement of the strength of brandy alcohol. G. K. Nechaev, T. V. Mgebrishvili. *Trudy KIPP* no. 22:227-229 '61.

LISCHANSK—CHEMICAL INDUSTRIES

N. S. Khrushchev at the Lischansk Chemical Combine. *Ukraina* no. 7:1 Ap '63.

LISCHANSK—COMMUNIST YOUTH LEAGUE

Command of the conscience. S. Goncharenko. *Mol. komm.* no. 11:99 N '62.

LITOV, KONSTANTIN IAKOVLEVICH, 1900-

Tishchenko, A. A. Konstantin Litov. Moskva, Sovetskii kompozitor, 1962. 98 p.

LITERARY FORGERIES AND MYSTIFICATIONS

Maslov, I. I. [In the world of pseudonyms, anonyms, and literary forgeries] V mire psevdonimov i literaturnykh poddelok. Pod red. I. S. Vapov. Statei P. N. Berkova. Moskva, Izd-vo Vses. knizhnoi palaty, 1963. 318 p. (Istoriko-literaturnye i bibliograficheskie ocherki)

LITERATURE—BIBLIOGRAPHY see Bibliography—Literature

LITERATURE—DICTIONARIES

"Concise encyclopedia of literature; Vol. 1; Aarno-Gavrilov." Reviewed by S. Turaev. *Vop. lit.* 7 no. 2:219-224 F '63.

LITERATURE—HISTORY AND CRITICISM

Zonal'naya konferentsiya literaturovedcheskikh kafedr pedagogicheskikh institutov Evropey. 1st, Kulbyshov, 1960. [Problems of Russian and foreign literature] Voprosy russkoi i zarubezhnoi literatury; sbornik statei. Kulbyshov, 1960. 421 p. (MI)

LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY see Bibliography—Literature—History and criticism

LITERATURE—PHILOSOPHY

A. V. Lunacharskii on proletarian literature. A. S. Malinin. *Vestnik AN SSSR, Ser. hum. nav.* no. 1:80-89 '63.

LITERATURE, ANCIENT

Alexander the Great and Candace [with summary in French]. R. V. Kinzhelov. *Krat. soob. Inst. nar. Az.* no. 46:131-139 '62.

LITERATURE AND SCIENCE

The image as information. V. Zaretskii. *Vop. lit.* 7 no. 2:71-81 F '63.

LITHIUM

Approximate calculation of the probabilities of dipole transitions. The lithium atom. S. I. Velichkin. *Opt. i spekt.* 14 no. 3:317-321 Mr '63.

Photodisintegration of Li⁷ [with summary in English]. L. A. Kul'chitskii, I. U. M. Volkov. *Zhur. eksp. i teor. fiz.* 44 no. 4:1153-1159 Ap '63.

LITHIUM FLUORIDE CRYSTALS—TESTING

Strength of cleavage whiskers of lithium fluoride crystals. V. I. Fridman, A. A. Shipunt. *Fiz. tver. tela* 5 no. 3:780-797 Mr '63.

LITHUANIA—BIBLIOGRAPHY (THEORY, METHODS, ETC.)

Conference on problems of coordinating bibliographical work in Lithuania. B. M. Sarkanaite, K. P. Bartkus. *Sov. bibl.* no. 1:88-89 '63.

LITHUANIA—BOXING

Across the barrier of the impossible. G. Leonov. *Smena* 39 no. 23:27 D '62.

LITHUANIA—COMMUNIST PARTY

Didzulia, K. [For people's happiness: memoirs, articles, letters, speeches] Uz laides laime; atsiminimai, laiskai, kalbos. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1963. 357 p. [In Lithuanian]

LITHUANIA—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

Recommendation for party membership. A. Machanukas. *Mol. komm.* no. 11:38-39 N '62.

LITHUANIA—FIRES AND FIRE PREVENTION

Ahead of us are important tasks. V. Voroneckas. *Pozh. delo* 9 no. 4:32 Ap '63.

LITHUANIA—GYPSUM

Halite and gypsum in moraine deposits. M. A. Kavetskia. *Priroda* 52 no. 3:75-76 '63.

LITHUANIA—HISTORY

Kapuskas, Vincas. [Works] Rastai. Vilnius, Valstybine grozines literaturos leidykla. [In Lithuanian] Vol. 6. 1962. 525 p.

LITHUANIA—LANGUAGES—DICTIONARIES—RUSSIAN

[Lithuanian-Russian dictionary. Approximately 37,000] Lietuviu-Rusu kalbu zodynas [By] A. Lyberis. Aplo 37 000 zodziu. Redagavo Ch. Lemchenas, Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 747 p.

LITHUANIA—LIBRARIES

Organization of methodological work in Lithuanian libraries. P. M. Kizis. *Bibliot. SSSR* no. 2:13-18 '62.

LITHUANIA—MOTION-PICTURE PLAYS

Creativity and ethics. V. Miknaukas. *Iek. kino* 33 no. 2:16-17 '63.

LITHUANIA—PHYSICIANS

First native doctors of medicine. V. G. Mitsei'makheris. *Sov. zdrav.* 22 no. 4:40-43 '63.

LITHUANIA—PLANTS, PROTECTION OF

Reorganization of the service of plant protection in Lithuania. V. I. Slautis. *Zashch. rast. ot vred. i bol.* 6 no. 6:3 Je '61.

LITHUANIA—POLITICS AND GOVERNMENT

Lithuanian S. S. R. Auksciausioji Taryba. [Meetings of the Fifth Supreme Soviet of the Lithuanian S. S. R., sixth session, June 28, 1961; vorbatini report] Lietuvos TSR Auksciausiosios Tarybos (penktojo sesuokimo) sesioji sesija, 1961 m. birzelio 28 d. Stenogramos. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1961. 109 p.

LITHUANIA—PRESS

The plenum of the Central Committee of the Communist Party of Lithuania on the efficiency of the press. *Sov. pech.* no. 3:21-22 Mr '63.

So that the word might become the deed. A. Smileckus. *Sov. pech.* no. 3:4-7 Mr '63.

LITHUANIA—ROCK SALT

Halite and gypsum in moraine deposits. M. A. Kavetskia. *Priroda* 52 no. 3:75-76 '63.

LITTER (BEDDING)

Feat litter. V. Zhdan. *Vnesh. torg.* 43 no. 3:26 '63.

LIUDEKIVICH, STANISLAV, 1879-

A concert of Stanislav Liudekevich. Erast Dintashovskiy. *Ukraina* no. 7:6 Ap '63.

LIVER

Antitoxic function of the liver in villigo patients treated with psoralen and meladrolin. M. A. Gullamova. *Med. zhur. Uzb.* no. 8:38-39 Ag '62.

Change in the antitoxic function of the liver in children with rheumatic fever during treatment with hydrogen sulfide baths. T. P. Borisova. *Vop. kur., fizioter. i lech. fiz. kul't.* 28 no. 1:38-44 '63.

Change in the urea-, sugar-, and glycogen-forming function of the liver during treatment with Istisu mineral water. G. M. Korimov. *Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech.* no. 3:82-87 '59.

Formation of acetyl phosphate in liver homogenates of animals [with summary in English]. M. F. Itulyi, T. M. Pechonova, P. D. Dvornikova. *Ukr. biokhim. zhur.* 34 no. 8:848-852 '62.

LIVER—CIRRHOSIS

Epidemic hepatitis and progressive liver cirrhosis [with summary in English]. Kh. Kh. Mansurov. *Sov. med.* 26 no. 1:8-12 Ja '63.

LIVER—DISEASES

Change in the total blood cholesterol in hepatocholeostasis under the influence of subaqueous intestinal lavage with Bash-Istisu mineral water. K. S. Sadykh-Zade. *Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech.* no. 3:117-121 '59.

Effect of the climate and the mineral waters of the Istisu health resort springs on the course of experimental hepatitis. T. G. Pashayev, N. L. Orlova. *Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech.* no. 3:40-45 '59.

Electrophoretic study of blood plasma proteins in patients with acute surgical hepatobiliary diseases. V. S. Chepovskii. *Klin. khir.* no. 5:35-36 My '62.

Steroid therapy of chronic liver diseases and its effect on 17-ketosteroid excretion. L. A. Zhrebtsov. *Sov. med.* 26 no. 1:30-37 Ja '63.

LIVER—HYDATIDS

Characteristics of the clinical aspects and treatment of liver echinococcosis in elderly and senile patients. E. G. Kovall. *Trudy Kish. gos. med. inst.* 12:53-59 '60.

LIVING FOSSILS

"Living fossils." V. Krivosheina. *IUn. nat.* no. 3:24 Mr '63.

LIZARDS

(see also subdivision under Komodo Island) Prisoners of permafrost. *IUn. nat.* no. 3:25 Mr '63.

LOADING AND UNLOADING

(see also subdivision under Il'ichevsk) The "Belarus" tractor in corn loading. B. Kozmin, M. Belkov. *Muk. -elev. prom.* 29 no. 1:25-26 Ja '63.

Machine for loading rods. V. M. Borodin, I. U. M. Iama-nov. *Gor. zhur.* no. 4:40-51 Ap '63.

Means for automatic control of the operation of a single-bucket loader. P. A. Mikhirev and others. *Gor. zhur.* no. 3:60-70 Mr '63.

Remote control by electric locomotives in unloading cars. L. G. Smagluk. *Gor. zhur.* no. 3:65-66 Mr '63.

Unloading units are needed in coal mining areas. A. I. A. Loktev. *Ugol' Ukr.* 7 no. 4:27-28 Ap '63.

Ways of increasing the efficiency of loading and unloading operations. N. Sergel'. *Mor. flot* 23 no. 1:8-10 Ja '63.

LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Automatic hydraulic dust control in loading rock with the PML-5 loader. N. S. Frolov, P. Z. Frenkel', A. K. Matvienko. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:23-25 '62.

Basic trends in the development of mechanization in loading and unloading. A. V. Lepskii. *Sbor. trud. MISI* no. 39:474-475 '61.

Synchronous pipe loader. O. V. Pillutskii. *Bezop. truda v prom.* 6 no. 9:33 S '62.

LOADING AND UNLOADING—TECHNOLOGICAL INNOVATIONS

Working part of the grab of a noncontinuous loader. A. I. A. Kodontsov and others. *Gor. zhur.* no. 4:75 Ap '63.

LOAM SOILS see subdivision under East European Plain

LOANS, FOREIGN see subdivision under China

LOBACHEVSKII, NIKOLAI IVANOVICH, 1793-1860

Great Russian mathematician as educator and innovator; on the occasion of the 170th birthday of N. I. Lobachevskii. T. D. Kornelchik. *Sov. pedagog.* 27 no. 1:43-62 Ja '63.

LOBANOV, ANDREI MIKHAILOVICH, 1900-

Biok, V. B. [Lobanov's rehearsals] Repetitsii Lobanova. Moskva, Iskusstvo, 1962. 130 p. illus. (MI)

LOBBYING see subdivision under Germany, West

LOBSTERS see subdivision under Atlantic Ocean

LOCAL ANESTHESIA

Treatment of acute purulent inflammatory diseases by means of a short alcohol-nevocaine block. D. M. Tserentsein. *Klin. khir.* no. 6:84 My '62.

LOCAL ELECTIONS

The 3d of March is election day in the soviets. *Nar. khoz. Uzb.* 5 no. 2:11-12 F '63.

LOCAL FINANCE

Kamilov, Kabir. [Planning and budgeting and financing operations of a regional Soviet] Planirovaniye i bludzheto-finansovaya rabota raisoveta. Tashkent, Gosizdat UzSSR, 1962. 37 p. (V pomech' deputatu raisoveta)

LOCAL GOVERNMENT

(see also subdivision under Ukraine) Bakurakli, A. I. and A. S. Kononov. [Our Soviet government] Nasha sovetakala vlad. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1959. 56 p. (MI-I)

LOCAL TRANSIT

Choosing types of public transportation. M. Khalmura-dov. *Sbor. nauch. rab. AKKH* no. 13:227-235 '62.

Establishing types of capacity for the rolling stock of public transportation and their quantitative relation. D. S. Samoilov. *Sbor. nauch. rab. AKKH* no. 13:185-173 '62.

- LOCAL TRANSIT (Continued)**
Methods of making computations for transportation in city planning. O. K. Kudravytsev. Probl. sov. gradostroi., no. 10:26-37 '63.
Methods of obtaining data about the movements of the inhabitants. E. A. Barkova. Probl. sov. gradostroi., no. 10:5-25 '63.
The structure of transportation systems. O. K. Kudravytsev. Probl. sov. gradostroi., no. 10:38-58 '63.
Study of passenger flow for rational utilization of rolling stock. P. P. Kobzev. Sbor. nauch. rab. AKKH no. 13: 218-226 '62.
Using new types of public transportation in cities. I. U. M. Galonen. Sbor. nauch. rab. AKKH no. 13:174-191 '62.
- LOCAL TRANSIT—ABSTRACTS**
[Automotive and city transportation] Ref. zhur.: Avt. i gor. transp. no. 5 May '63.
- LOCAL TRANSIT—EQUIPMENT AND SUPPLIES**
Using plastics in the rolling stock and in the electric power supply of public transportation. L. V. Gurevich and others. Sbor. nauch. rab. AKKH no. 13:192-202 '62.
- LOCKE, JOHN, 1632-1704**
"Selected philosophical works in two volumes" by John Locke. Reviewed by V. F. Asmus. Vop. filos., 17 no. 4:156-161 '63.
- LOCKS (HYDRAULIC ENGINEERING)**
(see also subdivision under Charleroi-Brussels Canal)
Calculating time norms for the transfer of ships through lock systems. M. Kheifets, K. Linkov. Rech. transp., 22 no. 3:11-13 Mr '63.
Protection against corrosion of metal structures in navigation locks. L. Verzhbitskaya, V. Kuznetsov. Rech. transp., 22 no. 3:38-39 Mr '63.
- LOCKS (HYDRAULIC ENGINEERING)—MAINTENANCE AND REPAIR**
Controlling seepage through cracks in the concrete elements of a navigation lock. A. I. A. Bolgova, P. A. Mikhalevich. Gidr. stroi., 33 no. 4:8-11 Ap '63.
- LOCKS AND KEYS**
Goberman, G. E., and V. L. Bychkov. [Locks and hardware] Zamki i skoblyanye pribory. Moskva, Gosmestpromizdat, 1962, 166 p.
- LOCOMOTIVES**
(see also subdivision under White Russia)
Ashkenazi, E. A., and V. I. Bakanov. [Fields of application of the various types of traction in industrial rail-road transportation] Sfery primeneniya razlichnykh vidov tsiagi na promyshlennom zhelezнодорожном transporte. Moskva, Transzheldorizdat, 1963, 133 p. (Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut zhelezнодорожного transporta, Trudy, no. 253)
Modernization of the rating characteristics of locomotives. A. M. Babichkov. Vest. TSNI MPS 22 no. 2: 19-21 '63.
What type of locomotives should be chosen for the future? N. A. Furianskiy. Zhelez. dor. transp., 45 no. 4:51-57 Ap '63.
- LOCOMOTIVES—MAINTENANCE AND REPAIR**
Methods for establishing expenditure norms for wheel pair parts in locomotive repair. N. G. Kavenin, I. K. Stasenko, P. D. Shalanin. Vest. TSNI MPS 22 no. 2: 35-39 '63.
- LOCOMOTIVES—PERFORMANCE**
Determining the expedient service life of locomotives. A. E. Gibshman. Vest. TSNI MPS 22 no. 1:3-8 '63.
- LOCOMOTIVES—TRANSMISSION DEVICES**
Measuring traction gears of diesel and electric locomotives. I. U. V. Ivanov. Izv. tekhn. no. 8:18-20 Ag '62.
- LOCUSTS**
Migration of gregarious locusts. E. P. Tsyprenkov. Zashch. rast. ot vred. i bol., 6 no. 8:45-47 Je '61.
- LOCUSTS—EXTERMINATION** see subdivision under Czechoslovakia; Yakutia
- LOESS** see subdivision under Kirghizistan
- LOGARITHMS**
Thompson, A. J. [Tables of logarithms to twenty decimal places. Translated from the English] Tablitsy dvadtsatiznachnykh desiatichnykh logarifmov chisel. Obrabotka tablits i perevod s angliiskogo M. G. Rappoport i L. I. Sazonov. Moskva, Vychislitel'nyi tsentr AN SSSR, 1961, 2 v. (Biblioteka matematicheskikh tablits, no. 15-18) (RPP)
- LOGIC**
"Philosophical problems of present-day formal logic." Reviewed by A. A. Vetrov. Vop. filos., 17 no. 4:152-156 '63.
"Problems and exercises in logic" by A. I. Uemov. Reviewed by A. D. Getmanova, N. N. Guder, A. V. Romanov. Vop. filos., 17 no. 4:163 '63.
- LOGIC, SYMBOLIC AND MATHEMATICAL**
Determination of the orders of precomplete classes in three-valued logic. V. M. Gnidenko. Probl. kib. no. 8: 341-346 '62.
Use of theoretical-multiplicity methods in algebra of logic. I. U. I. Zhuravlev. Probl. kib. no. 8:5-44 '62.
- LOGGING (GEOLOGY)**
Recent data based on seismic and gravity material, on the relief below the ice in the central sector of eastern Antarctica. V. B. Tsukernik. Inform. blul. Sov. antark. eksp. no. 32:10-14 '62.
- LOGGING ROADS** see Forest roads
- LOKHVITSKA—DISTILLING INDUSTRIES—LABOR PRODUCTIVITY**
For the communist methods of work. I. I. Rizberg. Spirt. prom. 29 no. 3:46-47 '63.
- LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765**
Academic sessions. Sbor. Gos. Erm. no. 23:77 '62.
"Chemical laboratory of M. V. Lomonosov" by N. M. Rashtin. Reviewed by D. V. Zheltukhin. Khim. v shkole 18 no. 2:90 Mr-Apr '63.
Omsk. Sel'skokhozyaistvennyi institut. [Collection of reports and speeches at the conference dedicated to the 250th anniversary of the birth of the great Russian scientist M. V. Lomonosov] Sbornik dokladov i vystuplenii na nauchnoi konferentsii, posviashchennoi 250-letliu so dnia rozhdeniia velikogo russkogo uchenogo M. V. Lomonosova. Omsk, 1962, 60 p. [MICROFILM]
- LONDON—ARCHITECTURE**
Kononov, A. V. London. Leningrad, Ob-vo po raspr. polit. i nauchn. znaniu RSFSR, Leningr. old-nfo, 1962, 64 p. (Arkhitektura gorodov mira)
- LONDON—COLD STORAGE WAREHOUSES**
New cold storage warehouse in the London Harbor from "Modern Refrigeration," no. 767, 1962; "The Journal of Refrigeration," no. 1, 1962. I. M. Gindlin. Khim. tekhn. 40 no. 2:72-75 Mr-Apr '63.
- LONDON—CONGRESSES**
Symposium on the quality of the photographic image. Tekhn. kino i telev. 7 no. 4:92-94 Ap '63.
- LONDON—SOCIAL CONDITIONS**
London sketches. Vladimir Silant'ev. Inostr. laz. v shkole no. 1:28-35 Ja-F '63.
- LONDON—THEATER**
Festival of plays by O'Casey in the "Rusalka Theater." N. Loseva. Teatr 24 no. 4:153, 158 Ap '63.
- LOOKING-GLASSES** see Mirrors
- LOOMS**
AT-100-5MS automatic loom. V. K. Bragin. Blul. tekhn. ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform. no. 3:51-52 '63.
Beam frames without superstructure for narrow goods looms. V. I. Kaplunas. Tekst. prom. 23 no. 3:57-60 Mr '63.
Design of the torsion roller of the picking mechanism for looms. B. K. Kucherly, U. A. Dzholdasbekov. Izv. vye. ucheb. zav. i tekhn. tekhn. prom. no. 1:153-156 '63.
Research in the field of weaving: from the materials of the 4th International Conference of Textile Representatives in the Polish People's Republic [translated from the Polish]. Tekst. prom. 23 no. 4:44-51 Ap '63.
Two-unit automatic ATD-1 loom for the manufacture of horsehair interlining. I. R. Dalev. Leh. prom. no. 1: 13-14 Ja-Mr '63.
Vsesoyuznyi nauchno-tekhnicheskii seminar rabotnikov tekstil'nogo proizvodstva, 1961. [Experience in the operation of shuttleless looms] Opyt raboty na beschelnykh tekstil'nykh stankakh; [materialy]. Moskva, TSentr. in-t nauchno-tekhn. informatsii legkoi promyshli., 1962, 27 p. [MICROFILM]
With the assistance of a factory's efficiency promoters. I. U. P. Zhukov. Tekst. prom. 23 no. 3:52-53 Mr '63.
- LOOMS—MAINTENANCE AND REPAIR**
Upper plates of shuttle boxes with tightening flanges. L. F. Shestov. Tekst. prom. no. 2:54-55 F '63.
- LOSEV, IVAN PLATONOVICH, 1878-**
Ivan Platonovich Losev, scientist, educator and public figure; on his 85th birthday and on the 50th anniversary of his scientific, pedagogical and social activity. Vysokom. soed 5 no. 3:468-470 Mr '63.
- LOTUS** see subdivision under Azerbaijan
- LOVOZERITE**
New data on lovozerite. E. I. Semanov, I. S. Razina. Mat. po min. Kol'. poluost. 2:111-113 '62.
- LOVOZERO TUNDRA—ENIGMATITE**
New data on enigmatite from the Khibiny and Lovozero alkali massifs. Mat. po min. Kol'. poluost. 2:96-106 '62.
- LOVOZERO TUNDRA—LUAUVRITE**
Marmalite porphyrylike luauvrites of the Lovozero tundra. I. V. Ruzhentsev. Mat. po min. Kol'. poluost. 2:111-113 '62.
- LOVOZERO TUNDRA—NEPHELINE**
Certain inclusions in the nephelines in rocks of the Khibiny and Lovozero alkali massifs. S. V. Kravchenko. Mat. po min. Kol'. poluost. 2:100-103 '62.
- LOW-TEMPERATURE METALS** see Metals at low temperature
- LOW TEMPERATURE RESEARCH**
Luminescence polarization in stilbene single crystals dependent on the wavelength of the radiation at low temperature of liquid nitrogen. V. I. Gribkov, V. I. Zhevaurov, E. I. Chebotarova. Izv. AN SSSR, fiz. i khim. 27 no. 4:515-518 Ap '63.
- LUBRICATION AND LUBRICANTS**
The "Neftegaz-204" protective lubricant. N. M. Kiselev. Tekhn. v sel'khoz. 33 no. 1:65 Ja '63.
Ponomarev, A. F., and P. K. Gedyk. [Lubrication of equipment] Smazka oborudovaniia. Izd. 2, 62 p. perer. Moskva, Mashizd, 1962, 310 p.
- LUBRICATION AND LUBRICANTS—ADDITIVES**
Diester of xanthic acids as antiwear additives in engine oil. A. I. Gritsenko. Khim. i tekhn. topl. i energ. 8 no. 3:29-32 Mr '63.
Selecting additives to oils for various uses. I. E. Blagovoklov and others. Khim. i tekhn. topl. i energ. no. 3:54-62 Mr '63.
- LUBRICATION AND LUBRICANTS—SAFETY MEASURES**
Protsedury rabochikh i sluzhashchikh sel'skoi promyshli i zagotovok. TSentral'nyi komitet. [Measures of safety measures for the distribution and storage of lubrication materials] Pamiatka po tekhnicheskoi bezopasnosti pri opuske i khranении goruche-smazknykh materialov. Moskva, Sel'khozizdat, 1962, 11 p. (DNA I)
- LUBRICATION AND LUBRICANTS—TESTING**
Evaluation of antirusting properties of lubricants. I. U. A. Rozenberg. Standartizatsia 27 no. 4:35-37 Ap '63.
Grade evaluation of various kind of oils by laboratory methods. K. K. Popov, I. S. Zaseva. Khim. i tekhn. topl. i energ. 8 no. 3:62-64 Mr '63.
- LUGANSK—DIESEL LOCOMOTIVES**
How Soviet workers control the work of their industrial enterprises. P. Vypritskiy. Komm. Ukr. 33 no. 51-57 Ap '63.
- LUGANSK PROVINCE—MANUFACTURES—LABOR PRODUCTIVITY**
Some potentials for the increase of labor productivity in the enterprises of the light industry of the former Lugansk Economic Council. M. I. Gershen, L. E. Sokolova. Leh. prom. no. 1:66-67 Ja-Mr '63.
- LUGANSK PROVINCE—NOTARIES**
Let us improve the inspection of notarial agencies. A. Popenko. Rad. pravo no. 2:120-132 Mr-Apr '63.
- LUGANSK PROVINCE—POLITICS AND GOVERNMENT**
Cities and settlements will be the place of our action. I. Ivanenko. Sov. deput. trud. no. 4:30-34 Ap '63.
- LUJAUVRITE** see subdivision under Lovozero Tundra
- LUKOML' LAKE REGION—ELECTRIC POWER PLANTS**
On the banks of Lukoml' Lake. K. Tandzimka. Belorus' 20 no. 4:5 Ap '63.
- LUMBER**
"Handbook on lumber used in the mining industry" by K. A. Saigusa. Reviewed by A. S. Shevaldin. Ugol' no. 4:63 Ap '63.
- LUMBER—DRYING**
Technical and economic evaluation of the optimum drying of wood predrying for charring in buggy retort furnaces with periodical action. D. I. El'tkin. Sbor. trud. TSNIKHI no. 14:8-18 '61.
- LUMBER—DRYING—BIBLIOGRAPHY** see Bibliography—Lumber—Drying
- LUMBER—TRANSPORTATION**
(see also subdivision under Georgia; Kama River; Volga River)
[Album of auxiliary skidding and loading equipment] Albom vopomogatel'nogo troilevochno-pogruzochnoi oborudovaniia. Moskva, Goslesbumizdat, 1962, 113 p.
Bolarakli, V. S. [Cable railroads with moving cables in lumbering camps in mountains] Kanatno-rei'sovye dorogi s dvizhushchimsia trosami na lesozagotovkakh v gornykh usloviiakh. Moskva, Goslesbumizdat, 1956, 58 p.
Evening up full-length logs on the C-80 tractors. V. M. Kondrashov. Trudy Ural. nauch. inst. no. 15: 12-14 '60.

LUMBER — TRANSPORTATION (Continued)

Lumber carrier "Vytelralia," S. S. Verzhinich, Blul. lekh. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:65-67 '63.

New methods of loading and fastening lumber. G. M. Shteynfer, Zhel. dor. transp. 46 no. 1:73-75 Ja '63.
Yevoda, D. K., and M. M. Pomerantsev. [Hot trucks, their performance at lower timber landings and timber transshipment bases] Avtogruzochiki, ikh rabota na nizhnikh lesnykh skladykh i lesoperevalochnykh bazakh, Moskva, Goslesbumizdat, 1962, 53 p.

LUMBER—TRANSPORTATION—BIBLIOGRAPHY see Bibliography—Lumber—Transportation

LUMBER TRADE

Kosachevskii, A. A., and L. L. Ganelin. [Organization and technique of lumber marketing] Organizatsiia i tekhnika lesosobytovoi raboty. Moskva, Goslesbumizdat 1962, 257 p.

LUMBER TRADE—TABLES AND READY-RECKONERS
Etkin, G. A. [Charts for sawing logs (breaking-down systems) for export lumber] Skhemy razkroia breven (postava) na eksportnye pionatortsiy, 2 izd. dop. Moskva, Goslesbumizdat, 1962, 300 p.

LUMBERING

(see also subdivision under Archangel Province; Bryansk Province; Guzeripol' region; Kaluga Province; Olenok region; Solonnoye)
Continuous process of lumbering and woodworking with over-all mechanization and automation. V. I. Garuzov. Nauch. zap. VLTi 20:31-37 '62.

LUMBERING—ECONOMIC ASPECTS

Methods for determining the economic effectiveness of a new system of the mechanization and automation of lumbering operations. A. G. Zheludkov. Trudy TSNIME no. 38:5-39 '62.
Working out standard norms for determining the economic effectiveness of a new technology for lumbering camps. N. I. Rozhin and others. Trudy TSNIME no. 38:41-134 '62.

LUMBERING—LABOR PRODUCTIVITY

Cultural and technological standards of workers and labor productivity in the lumbering industry. B. A. Miskin. Nauch. zap. VLTi 20:3-15 '62.

LUMBERING—MACHINERY

(see also subdivision under Karelia)
Leningrad. Vsesoyuznyi nauchnyy lesotekhnicheskii institut. [Machines and equipment in forest exploitation] Mashiny i oborudovanie lesorazrabotok. Leningrad, No. 1. Plotnikov, V. L. [Portable mechanized instruments] Ruchnoi mekhanizirovannyi instrument; uchebnoe posobie dlia studentov lesomekhanicheskogo i lesolozhener-nogo fakul'tetov. 1961, 40 p.

(DNAL)

Planning and organizing the use of machines and tractors at mechanized forest working circles. P. S. Nartov. Nauch. zap. VLTi 20:53-59 '62.

LUMBERING—MACHINERY—BIBLIOGRAPHY see Bibliography—Lumbering—Machinery

LUMBERMEN

Dronina, A. B. [Benefits for workers in lumbering and forest management] L'goty rabotnikam lesosazgotovok i lesnogo khoz'istva. Moskva, Goskizdat, 1962, 79 p. (L'goty po sovetskoi zakonodatel'stvo)
"Northern history," A. Trukhachev. Sov. radio i tel. 12 no. 1:31-33 Ja '63.

LUMINESCENCE

Absorption and luminescence of divalent samarium in alkali halide single crystals. V. E. Karapetian, B. I. Maksakov, P. P. Peofilov. Opt. i spekt. 14 no. 3: 441-443 Mr '63.

Concentration quenching of luminescence. V. L. Levahin. Izv. AN SSSR, Ser. fiz. 27 no. 4:640-650 Ap '63.

Luminescence and forced radiation from glass activated with neodymium. P. P. Peofilov and others. Izv. AN SSSR, Ser. fiz. 27 no. 4:406-472 Ap '63.

Luminescence of molecular crystals containing impurities of different solubility in the solid phase. V. P. Kovalev and others. Izv. AN SSSR, Ser. fiz. 27 no. 4: 524-528 Ap '63.

Mechanism underlying the concentration quenching of the luminescence of solutions of fluorescein, rhodamine, and tryptoflavine in glycerine. B. I. A. Sveshnikov, V. I. Shirokov, L. A. Limarova. Izv. AN SSSR, Ser. fiz. 27 no. 4:551-553 Ap '63.

On the luminescence determination of uranium, cerium, and niobium [with summary in English]. A. M. Ushakov. Zhur. anal. khim. 18 no. 1:70-81 Ja '63.

Use of an optical quantum generator for the excitation of recombination luminescence in semiconductors. N. G. Basov, L. M. Lisitsyn, B. D. Osipov. Dokl. AN SSSR 149 no. 3:561-562 Mr '63.

LUNINETS DISTRICT—AGRICULTURAL ADMINISTRATION

In the T'sna Valley not far from the city of Luninets. M. Doan. Belarus' 20 no. 3:2-3 Mr '63.

LUMINOUS PAINT see Paint, Luminous

LUNACHARSKII, ANATOLII VASIL'EVICH, 1875-1933

A. V. Lunacharskii on proletarian literature. A. S. Malinin. Vestn. AN BSSR, Ser. hram. nav. no. 1:80-89 '63.

A. V. Lunacharskii on the aesthetic training of the younger generation. T. D. Korneichik. Sov. pedagog. 27 no. 4: 102-112 Ap '63.

LUNAR ECLIPSES see Eclipses, Lunar

LUNAR PROBES

Orientation on lunar surface. I. V. Matveev. Blul. VAGO no. 33:37-40 '63.

LUNGS—CANCER

Role and significance of the time factor in early and timely detection of lung cancer. S. R. Brodskii. Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 3:133-138 '60.

Smoking and lung cancer. IU. I. Rampan, A. B. Syrkina. Med. sostr. 21 no. 12:23-27 D '62.

LUNGS—COLLAPSE

Morphological changes in a collapsed lung in patients with pulmonary tuberculosis treated by means of an artificial pneumothorax; according to data of a radiographic study [with summary in English]. K. A. Kharcheva. Vrach. delo no. 3:16-21 Mr '63.

LUNGS—DISEASES

Changes in the protein and lipid fractions of the blood serum in the compound treatment of chronic pulmonary suppurations. V. N. Saperov. Vop. kur. i fizioter. i lech. fiz. kul't. 28 no. 1:21-26 '63.
Clinical aspect of pulmonary lesions in periarthritis nodosa [with summary in English]. R. M. Ginzburg. Vop. revm. 3 no. 1:83-85 Ja-Mr '63.

Concerning visceral candidiasis. B. A. Avanesov, N. E. Chokhonina. Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:88-90 '61.

Hemodynamic indicators and gases in the blood of patients with chronic nonspecific pulmonary diseases [with summary in English]. I. I. Kryzhanovskaya, V. P. Dmitrichenko, N. V. Luk'ianets. Vrach. delo no. 3:11-10 Mr '63.

LUNGS—DUST DISEASES

"Functional examination of patients with silicosis" by I. M. Ivanov, Kh. M. T'solov. Reviewed by M. S. Shneider. Sov. med. 20 no. 1:154-156 Ja '63.

LUNGS—FOREIGN BODIES

Case of spontaneous expulsion of a splinter from pulmonary tissue. M. A. Bellakova. Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:91-93 '61.

LUNGS—SURGERY

Analysis of the causes of death in severe complications following pulmonary surgery under the conditions of a city hospital. T. A. Graamk. Kaz. med. zhur. no. 5: 20-24 S-O '62.

Perelman, M. I. [Lung resection in tuberculosis] Rezektsiia legkikh pri tuberkuloze. Novosibirsk, Izd-vo Sibirskogo otd-niia AN SSSR, 1962, 371 p. (DNLM)

LUNGS—TUMORS

Some criteria of the activity of the tubercular process in pulmonary tuberculomas. A. T. Lole. Vrach. delo no. 3:135-139 Mr '63.

LUNTS, LAZAR' ADOL'FOVICH, 1892-

L. A. Lunts' 70th birthday. Izv. vys. ucheb. zav. i prav. 6 no. 2:171 '62.

LUPINE

Effect of sowing dates on the content and composition of alkaloids in blue lupine. N. A. Maisarian, M. M. Edol'shtein, V. K. Kaz'mina. Zemledelie 25 no. 1: 38-44 Ja '63.

LUPUS

Characteristics of hemocultures of streptococci isolated from lupus erythematosus patients. N. V. Zhuravskaya. Trudy MONIKI no. 6:97-83 '62.

Combined treatment in lupus tuberculosis with phthi-vazide, streptomycin and vitamin D-2. I. N. Agapkin. Sov. med. 26 no. 1:123-126 Ja '63.

LUPUS ERYTHEMATOSUS

Specificity of LE cells [with summary in English]. IU. Vakhitengelm, S. Valnichek, M. Svoitka. Vop. revm. 1 no. 3:21-25 Ji-S '61.

LUTERS-BOBIS, JANIS, 1863-1939

Luters, A., comp. [Janis Luters-Bobis, Pages from the life of an underground revolutionary; articles and reminiscences] Janis Luter-Bobis. Stranitsy zhizni revoliutsionera podpol'shchika; sbornik statei i vospominanii. Riga, Latvieskoe gos. izd-vo, 1962, 419 p. (MH)

LUTSEVICH, IVAN DOMINIKOVICH, 1882-1942

Akademik nauk BSSR, Minsk. Literaturny muzej Ianki Kupaly. [People's poet of White Russia] Narodny poet Belarusi. Minsk, Vyd-va Akad. nauk BSSR, 1962, 360 p. (CaOTU)

Lensu, A. IA. [Early use of the method of socialist realism in the works of Ianka Kupala] Stanavlenne metadu satsyalistychnaha realizmu u tvorchasti Ianki Kupaly. Minsk, Vyd-va M-va vysshel'shai, slaredniai spetsyial'nai i profesional'nai adukatsyi BSSR, 1962, 86 p.

(MH)

One more discovery. A. Pandatouski, IA, Ramanouskaia. Belarus' 20 no. 3:29 Mr '63.

LVOV—BOILERS—CORROSION

Our practice in preventing intercrystalline corrosion. B. K. Naumov. Bezop. truda v prom. 6 no. 9:20-21 S '62.

LVOV—BOOKPLATES

Lvov bookplates. O. V. Markevych. Ukr. ist. zhur. 6 no. 2:166-167 Mr-Apr '63.

LVOV—ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Our practice in preventing intercrystalline corrosion. B. K. Naumov. Bezop. truda v prom. 6 no. 9:20-21 S '62.

LVOV—EVENING AND CONTINUATION SCHOOLS

Institute staffed with volunteers. P. Semyliev. Ekon. Rad. Ukr. no. 2:114 Mr-Apr '63.

LVOV—LIBRARIES

Lvov City Library of Foreign Literature. O. V. Rantsova. Opyt. rab. bibliot. s lit. no. 5:53-57 '63.

LVOV—MEAT INDUSTRY

Consolidation of enterprises into firms contributes to the improvement of operations. L. Neroda, L. Golod. Mias. ind. SSSR 33 [i. e. 34] no. 2:51 '63.

LVOV—SHOE INDUSTRY—MANAGEMENT

How a firm should be organized. I. Shifrin. Sois. trud. 8 no. 4:75-78 Ap '63.

LVOV—THEATER

Forty-first year. V. Popov. Teatr 24 no. 3:118 Mr '63.

LVOV—TONSILS—DISEASES

Causes of angina in the industrial establishments of Lvov. I. I. Gitis. Vrach. delo no. 3:107-110 Mr '63.

LVOV ECONOMIC REGION—INDUSTRIAL ORGANIZATION

Several financial problems in the organization of firms. M. Alekseenko, A. Zaitsev, M. Skorodumov. Fin. SSSR 37 no. 4:44-46 Ap '63.

LVOV ECONOMIC REGION—BUSINESS ENTERPRISES

[First Soviet firms; from the work practice of the production combines of the Lvov Economic Council] Pervye sovetskie firmy; iz opyta raboty proizvodstvennykh ob'edinenii Lvovskogo sovmarkhoza. Lviv, Knyzhkovo-zhurnal'ne vyd-vo, 1962, 113 p.

LVOV PROVINCE—AGRICULTURAL MACHINERY—STUDY AND TEACHING

Youths study machinery. V. V. Borysov. Mekh. sl'i. hosp. 14 no. 2:5-6 F '63.

LVOV PROVINCE—BUDGET

Two budgets. IA, Shteinberg. Fin. SSSR 37 no. 4:64-66 Ap '63.

LVOV PROVINCE—COLLECTIVE FARMS—FINANCE

Accumulation and consumption on collective farms. V. Pavchak. Ekon. Rad. Ukr. no. 2:46-51 Mr-Apr '63.

LVOV PROVINCE—COLLECTIVE FARMS—VALUATION

Correlation between the yield and costs determines land quality. I. Mikhasiuk. Ekon. sel'khoz. 34 no. 3:105-108 Mr '63.

LVOV PROVINCE—FIRES AND FIRE PREVENTION—STUDY AND TEACHING

In the cities and villages of Lvov Province. A. Matynyi, F. Rozhok. Pozh. delo 9 no. 3:28 Mr '63.

LVOV PROVINCE—FOOD INDUSTRY—EQUIPMENT AND SUPPLIES

Food industry workers of Lvov Province adapt new equipment. P. Kovalchuk. NTO 5 no. 3:39 Mr '63.

LVOV PROVINCE—POLITICS AND GOVERNMENT

Work of the "boards of volunteers" of executive committees. H. Adamanchuk, V. Iatsura. Rad. pravo no. 2: 18-22 Mr-Apr '63.

LVOV PROVINCE—RAILROADS—MANAGEMENT

Unnecessary departments. I. Korol'. Fin. SSSR 37 no. 3:73-74 Mr '63.

LVOV PROVINCE—RETAIL TRADE

Lessons of price reduction. R. Podol'skii. Sov. potreb. koop. 7 no. 2:21-22 F '63.

LYMPHADENOMA see Hodgkin's disease

LYMPHATICS—DISEASES

Acute infection of the lymphatic tracts in the wrist. G. V. Rostovskii, Zdrav. Turk. 7 no. 2:38-40 F '63.
Treatment in recurrent hidradenitis and lymphadenitis with impulse galvanic current. Vop. kur. i fizioter. i lech. fiz. 28 no. 1:77-78 '63.

- LYMPHATICS—TUBERCULOSIS**
Surgical treatment of tuberculous lymphadenitis in the submaxillary region and the neck. A. A. Kononova-Elkova, Stomatologiya 41 no. 5:37-38 S-O '62.
- LYMPHOGRANULOMA VENEREUM**
Clinical course and treatment of the genito-anorectal form of venereal lymphogranuloma. Ch. Batmunkh, Khin, khir. no. 5:48-53 My '62.
- LYNKOU, MIKHAS', 1899-**
"Beyond the ocean" by Mikhas' Lynkou. Reviewed by M. Doshin. Belarus' 20 no. 4:28-29 Ap '63.
- LYNX** see subdivision under Bereza District
- LYON—TEXTILE WORKERS**
Jeanne Pellé's anxieties and hopes. Marcel Peirenaix, Mol. konm. no. 11:116-117 N '62.
- LYSENKO, MYKOLA VITALIOVICH, 1842-1912**
M. V. Lysenko as collector of folk songs. Z. I. Vasylenko, Nar. tvorch. ta ein. 6 no. 4:50-55 O-D '62.
Mykola Lysenko Music and Drama School and amateur theatricals. R. M. Esipenko, Nar. tvorch. ta ein. 6 no. 4:85-98 O-D '62.
- LYUBERTSY—PRINTING PLANTS**
Production and publishing branch of the All-Union Institute of Scientific and Technical Information. M. I. Levehtsin, Poligr. proizv. no. 3:11-12 Mr '63.
- LYUDINOV—MACHINERY INDUSTRY WORKERS**
Man lives among people. L. Pavlova, Sov. profsoyuzy 19 no. 7:6-7 Ap '63.
- MACARONI**
(see also subdivision under Ufa)
Unsolved problems in the manufacture of macaroni. P. K. Popov, Khleb. i kond. prom. 7 no. 4:14-16 Ap '63.
- MACHINE ACCOUNTING**
Comprehensive mechanization of accounting is an important potential for saving labor in the textile industry. I. A. Roshal', Sots. trud 8 no. 4:93-98 Ap '63.
Machine accounting does not tolerate mistakes. G. Petrov-Denisov, Sots. oheap. 24 no. 3:27-30 Mr '63.
Mechanization of accounting in the Construction Bank. A. Tolstykh, Fin. SSSR 37 no. 3:38-42 Mr '63.
"Mechanization of accounting on collective and state farms" by N. D. Koshliak. Reviewed by V. D. Smirnov. Uchet i fin. v kolkhoz. i sovkh. 20 no. 3:46-47 Mr '63.
On the Board of Directors of the State Bank and the Presidium of the Central Committee of the Trade Union of Government Workers. Den. i kred. 21 no. 4:95 Ap '63.
- MACHINE-SHOP PRACTICE**
Mechanization of the collection and conveying of metal chips in machinery plants. A. I. Dobrianskii, Vest. mashinostroitel'. 43 no. 4:77-81 Ap '63.
Noiseless vibratory conveyors for removing chips from machine tools, automatic lines and shops. M. I. Login, Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:37-40 '63.
Organization and supply of cutting tools in automatic lines. E. B. Itin, Avi. prom. 29 no. 5:3-4 My '63.
Reconditioning the size and coaxiality of journal bearing seats. V. L. Bushev, D. Bulchev, Avi. transp. 4 no. 8:24-25 Ag '62.
- SH'chenko, S. S.** [Mechanization and automation of fitting and assembling work] Mekhanizatsiya i avtomatizatsiya slesarno-sbornykh operatsii. Moskva, Proftekhizdat, 1962. 147 p. (Biblioteka molodogo rabochego)
- Size of billets for rolling threads and worms. V. V. Lapin, Mashinostroitel' 1 no. 3:33 Mr '63.
- Vibration cleaning of metal parts. I. A. K. Terent'ev, Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:80-85 '63.
- MACHINE-TOOL INDUSTRY** see subdivision under Irkutsk; Odessa
- MACHINE-TOOL INDUSTRY—AUDITING AND INSPECTION** see subdivision under Tiflis
- MACHINE-TOOL INDUSTRY—MANAGEMENT** see subdivision under Moscow
- MACHINE-TOOL INDUSTRY—PRODUCTION STANDARDS** see subdivision under White Russia
- MACHINE TOOLS**
Alekhin, S. V., L. V. Abramchenko, and N. G. Pisarev. [Metal cutting, machine tools and cutting tools] Roza-nie metallov, stanki i instrumenty; uchebnoe posobie, Leningrad, Leningr. in-t inzhenerov zhel.-dor. transporta, 1962. 128 p. [MICROFILM]
Barun, V. A., and A. A. Budinskii. [Automatic control systems for machine tools] Sistemy avtomatizatsii stankov. Moskva, Mashgiz, 1963. 430 p.
- Conference of the scientific technological council of the Experimental Research Institute of the Machine-Tool Industry. Prom. Arm. 6 no. 1:70-72 Ja '63.
Innovator M. Aveislán's automatic machine. G. Burna-zian, Prom. Arm. 6 no. 1:41-43 Ja '63.
Klebanov, M. K., ed. [Automation of machine tools] Avtomatizatsiya metalloobrabotnykh stankov. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1962. 93 p. [MICROFILM]
Let's teach future technicians the adjustment of machine tools. S. I. Batyshev, Sred. spets. obr. 10 no. 4:18-24 Ap '63.
Machine-tool line for machining cast parts. I. U. G. Mol'-bart, Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:22-23 '63.
Reliability of the technological system of machine tools. V. I. Ishutkin, Vest. mashinostroitel'. 43 no. 4:40-43 Ap '63.
Technological process for the manufacture of plastic bodies for machine-tool mechanisms. V. N. Lymzin, Plast. massy no. 4:40-43 '63.
- MACHINE TOOLS—ATTACHMENTS**
New design of roller-type burnishing heads. N. A. Kara-sev, N. M. Denashchik, A. G. Sal'nikov, Avi. prom. 28 no. 6:34-37 Je '62.
Vlasov, E. I., and others. [Standardized machine-tool attachments] Normirovannyye stanochnye prisoobleneniya; spravochnik konstruktora. Izd. 2. perer. i dop. Moskva, Oborongiz, 1963. 504 p.
Zavitsliak, N. I. [Modern attachments for machine tools] Sovremennyye prisoobleneniya k metalloobrabotnykh stankam. Moskva, Mashgiz, 1963. 176 p.
- MACHINE TOOLS—DESIGN AND CONSTRUCTION**
Prontkov, A. S. [Design of machine tools] Raschet i konstruirovaniye metalloobrabotnykh stankov, Vysshaya shkola, 1962. 421 p.
- MACHINE TOOLS—EQUIPMENT AND SUPPLIES**
Electrostatic clamps for holding components during a machining process (from "Direct current," no. 1 1961). I. A. E. Vol'fkovich, Prom. energ. 17 no. 8:39-40 Ag '62.
- MACHINE TOOLS—HYDRAULIC DRIVE**
Universal hydraulic drive for drilling, boring and milling machines. V. A. Romanov, Avi. prom. 28 no. 6:41-43 Je '62.
- MACHINERY—ABSTRACTS**
[Materials for machinery manufacture and the design of machine parts] Ref. zhur.: Mashinostroitel'. konstr. i rasch. det. mash. no. 5 My '63.
[Technology of machinery manufacture] Ref. zhur.: Tekhn. mashinostroitel'. no. 6 My '63.
- MACHINERY—DESIGN AND CONSTRUCTION**
Machines will have a longer life. I. Konukhov, NTO 5 no. 3:46-47 Mr '63.
Selecting needle parameters for measuring the micro-geometry of surfaces. V. A. Truten'. Trudy Kras. SKhI 3 no. 1:338-342 '59.
- MACHINERY—DRAWING**
Development and dissemination of working drawings made according to machinery standards. B. M. Smol'-kov, Standartizatsiya 27 no. 3:46-47 Mr '63.
Gerb, M. A. [Compilation and reading of machinery drawings] Sostavleniye i chteniye mashinostroitel'nykh chertezheh. Moskva, Mashgiz, 1963. 218 p.
- MACHINERY—MAINTENANCE AND REPAIR**
Grokholskii, N. F. [Reconditioning parts of machines and mechanisms by welding and building up] Vostanovleniye detalей mashin i mekhanizmov svarkol i naplavkol. Moskva, Mashgiz, 1962. 274 p.
Machine maintenance operations at the sintering plant of the Magnitogorsk Metallurgical Combine. V. A. Kozlov, Obog. rud. 7 no. 4:42-47 '62.
Universal washing machine for repair and machine shops. L. V. Kurenev, Trudy Ural. inzh. inst. no. 17:20-22 '60.
- MACHINERY—PRICES**
Determining costs and prices of machinery industry products on the basis of their technical parameters. O. Koshuta, O. Iakunin, Ekon. Rad. Ukr. no. 2:29-33 Mr-Ap '63.
- MACHINERY—WELDING**
Forged and welded wedge plugs. D. L. Shifrin, G. A. Akh-verdova, Avtom. svar. 16 no. 4:86 Ap '63.
- MACHINERY, AUTOMATIC**
Automatic system for textile printing by the phototrans-positography method. T. I. Aleksishvili. Tekst. prom. no. 2:83-84 F '63.
- MACHINERY INDUSTRY**
(see also subdivision under Anzhero-Sudzhensk; Chita; Krasnoyarsk; Leningrad; Moscow; Sverdlovsk; Tallinn; Ukraine; White Russia)
Classification of machinery-industry production. D. P. Krasavin, Standartizatsiya 27 no. 4:21-23 Ap '63.
- Economic efficiency of production concentration in the machinery industry. N. S. Sachko, Vest. mashinostroitel'. 43 no. 4:67-70 Ap '63.
- Katanova, V. P. [Capron in machinery manufacture] Kapron v mashinostroenii. Irkutsk, Irkutskoe knizhnoe izd-vo, 1961. 39 p.
- Moskovskii dom nauchno-tekhnicheskoi promyshlennosti. [Correspondence seminar on the "Use of plastics in the machinery industry"] Zaochnyi seminar "Primeneniye plasticheskikh mass v mashinostroenii." Moskva, No. 4. [Some new types of plastics] Nekotorye novyye vidy plastmass, 1961. 111 p. [MICROFILM]
Most urgent objective is to increase the efficiency of the machinery industry. P. D. Borodn. Vest. mashinostroitel'. 43 no. 4:3-8 Ap '63.
Samolov, S. I., and others. [Technological processes in the manufacture of heavy machinery] Tekhnologicheskiye protsessy v mashinostroenii. Pod red. S. I. Samolova. Moskva, Mashgiz, 1962. 589 p.
- Ukhinov, V. A., and V. G. Samsonov. [Plastics as material to be used in the manufacture of machinery] Plastmassy—material dlya mashinostroenii. [Donetsk] Donetskoe knizhnoe izd-vo, 1962. 41 p. (V pomoshch' alushateliu universiteta tekhnicheskogo progressa mashinostroitel'ov) [MICROFILM]
Ukraine. Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. [Uses of wood laminates compressed wood and textile chips in machinery manufacture] Primeneniye drovesnykh sloistnykh plastikov, pressovannykh drovesnykh i tekstil'nykh kroshki v mashinostroenii. Kiev, In-t tekhn. informatsii, 1962. 51 p. [MICROFILM]
"Use of plastics in the machinery industry" by A. I. Ukhinov. Reviewed by P. S. Pautynskii, Mashinostroitel' no. 3: 47 Mr '63.
- MACHINERY INDUSTRY—ABSTRACTS**
[Problems of technological progress and the organization of production in the machinery industry] Ref. zhur.: Vop. tekhn. prog. i org. proizv. v mashinostroitel'. no. 5 My '63.
- MACHINERY INDUSTRY—BIBLIOGRAPHY** see Bibliography—Machinery Industry
- MACHINERY INDUSTRY—COSTS**
Potentials for reducing losses due to waste in machinery manufacturing. S. Gerasimov, Fin. SSSR 37 no. 4: 31-33 Ap '63.
- MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES**
Exhibition of Achievements of the National Economy of the U.S.S.R. Plastic materials used in machinery manufacture. G. O. Tatevosian, Plast. massy no. 3: 75-76 '63.
- MACHINERY INDUSTRY—FIRES AND FIRE PREVENTION** see subdivision under Kolomna
- MACHINERY INDUSTRY—MANAGEMENT**
(see also subdivision under Czechoslovakia; Leningrad Province; Sverdlovsk)
The all-Union competition for best work in labor organization and the establishment of technical standards. Sots. trud 8 no. 4:153-155 Ap '63.
Schemes for the mechanization of administrative work. Sots. trud. 6 no. 4:143-144 Ap '63.
- MACHINERY INDUSTRY—PRODUCTION STANDARDS**
(see also subdivision under Moscow)
The all-Union competition for best work in labor organization and the establishment of technical standards. Sots. trud 8 no. 4:153-155 Ap '63.
- MACHINERY INDUSTRY—STANDARDS**
(see also subdivision under Leningrad; Orehovo-Zuyevo; Slavyansk)
Machinery industry standards. Standartizatsiya 27 no. 2:63-64 F '63.
Moscow. Tsentral'noye bluro promyshlennykh normativov po trudu. [Methodological instructions for checking general norms used in the machinery industry] Metodicheskie ukazaniya po proverke obshchegomashinostroitel'nykh normativov. Moskva, 1961. 9 p. [MICROFILM]
Promote the introduction of standards in the machinery industry in every possible way. V. V. Ruchok, Standartizatsiya 27 no. 4:56-57 Ap '63.
Standardization at the "Krasnaya Zaria" Plant. I. K. Grigor'ev, Standartizatsiya 27 no. 2:38-39 F '63.
Tshkurin, N. V. [Standardization in the machinery industry] Normalizatsiya v mashinostroenii. Moskva, Mashgiz, 1963. 186 p.
- MACHINERY INDUSTRY WORKERS**
(see also subdivision under Angarsk; Lyudskovo)
Workers of the Soviet heavy machinery industry in 1945-1956. A. V. Smirnov, Ist. zap. no. 7:13-24 '62.
- MACKEREL** see subdivision under Atlantic Ocean
- MCMURDO REGION, ANTARCTICA—SNOW**
Firm in sea water obtained in the McMurdo Ice Shelf. S. Evteev, Inform. blul. Sov. antark. eksp. no. 3:50 '62.

MCMURDO SOUND—MOUNTAINS

Shape of the mountain peaks in the area of McMurdo Sound and the age of the Antarctic ice cover. S. A. Evteev. Inform. bull. Sov. antark. eksp. no. 30:5-6 '62.

MACRUS, ZINA

Paintings behind bars. Zhen. mira no. 1:34 '63.

MACROMOLECULAR COMPOUNDS

Dimensions of branched macromolecules in good solvents [with summary in English]. A. K. Kron, O. B. Pitsyn. Vysokom. soed. 5 no. 3:397-404 Mr '63.

Statistical theory of volume effects in macromolecules [with summary in English]. A. K. Kron, O. B. Pitsyn. Vysokom. soed. 5 no. 3:412-416 Mr '63.

MACRIDAE, FOSSIL see subdivision under Dnieper Valley

MADAGASCAR see Malagasy Republic

MADEIRA WINE

Analyzing the conditions of the oxygen feeding of wine in bulk macerization. I. B. Platonov. Trudy KIPP no. 22: 250-255 '61.

New technological flow sheet for making madeira wine. G. G. Agabekiants. Trudy KIPP no. 22:234-240 '61.

Role of oak staves in the macerization of wine with the bulk method. I. B. Platonov. Trudy KIPP no. 22:241-248 '61.

System of bulk macerization of wine under industrial conditions. I. B. Platonov. Trudy KIPP no. 22:257-265 '61.

MAGDEBURG LAW see subdivision under Slovnia

MAGIC

Zybkovets, V. F. [Black and white magic] O chernoi i beloi magii. Moskva, Gospolitizdat, 1963. 125 p.

MAGNESIUM—ELECTROMETALLURGY

Some problems in the technology of magnesium electrolysis. K. D. Muzhzhavlev, O. A. Lebedev, O. G. Denintukov. Tsvet. met. 36 no. 4:55-61 Ap '63.

MAGNESIUM ALUMINATES

Phase diagram of the system $MgAl_2O_4$ - $NdAlO_3$. N. A. Toropov, N. A. Sirazhiddinov. Izv. AN SSSR, Otd. khim. nauk no. 2:374-376 F '63.

MAGNESIUM-ALUMINUM ALLOYS see Aluminum-magnesium alloys

MAGNESIUM CHLORIDE

Eidenzon, M. A. [Production of anhydrous magnesium chloride by the chlorination of magnesium oxide] Proizvodstvo bezvodnogo khlorigo magniia khlorigo-vanilem oklai magniia. Sverdlovsk, Metallurgizdat, 1963. 75 p.

MAGNESIUM FLUORIDE

Thermal stability of SeF_3 and its reaction with MgF_2 . L. N. Komissarova, B. I. Pokrovskii. Dokl. AN SSSR 149 no. 3:509-501 Mr '63.

MAGNESIUM OXIDES

Eidenzon, M. A. [Production of anhydrous magnesium chloride by the chlorination of magnesium oxide] Proizvodstvo bezvodnogo khlorigo magniia khlorigo-vanilem oklai magniia. Sverdlovsk, Metallurgizdat, 1963. 75 p.

MAGNETIC ANOMALIES

(see also subdivision under Krasnoyarsk Territory)

Some problems of the structure of the bottom of the Atlantic and Indian Oceans based on magnetic data. M. M. Ivanov. Geomag. i aer. 3 no. 1:127-130 Ja-F '63.

MAGNETIC CIRCUITS

Calculation of the toothed layer of the armature. V. S. Khvostov. Elektrichestvo no. 3:66-71 Mr '63.

MAGNETIC FIELDS

Calculation of ferromagnetic fields using a finite difference technique. M. Kotai. Izv. vyz. uchob. zav.; elektromekh. 6 no. 2:143-157 '63.

Calculation of the magnetic field of an a. c. machine with randomly wound stator windings using digital computers. D. E. Sinelnikov. Izv. vyz. uchob. zav.; elektromekh. 6 no. 2:193-204 '63.

Cyclotron radiation of charged particles in a dipole magnetic field. A. A. Korchak, N. A. Lotova. Geomag. i aer. 3 no. 1:37-42 Ja-F '63.

Effect of a magnetic field on the carrier distribution inside a magnetodiode. L. E. Vorob'ev, E. I. Karakushan, V. I. Stafev. Fiz. tver. tela 5 no. 4:882-889 Ap '63.

Magnetic field correction systems for a proton synchrotron. F. M. Kulakov and others. Prib. i tekhn. eksp. 7 no. 4:158-167 Ji-Ag '62.

Magnetic method for shaping metal objects (from "Mechanical Engineering," no. 2 1962). I. A. E. Vol'novich. Prom. energ. 18 no. 4:39-40 Ap '63.

Resistance of slender plates and wires in a magnetic field [with summary in English]. M. I. Azbel'. Zhur. eksp. i teor. fiz. 44 no. 4:1282-1270 Ap '63.

Spreading of inhomogeneities in a weakly ionized plasma in a magnetic field (ambipolar diffusion) [with summary in English]. A. V. Gurevich. Zhur. eksp. i teor. fiz. 44 no. 4:1302-1306 Ap '63.

Stabilization of a "universally" unstable slightly inhomogeneous plasma containing relativistic electrons and enclosed in a magnetic field. G. M. Zaslavskii. Dokl. AN SSSR 148 no. 4:803-805 F '63.

Steady plasma flow in a magnetic field [with summary in English]. A. F. Kazantsev. Zhur. eksp. i teor. fiz. 44 no. 4:1283-1288 Ap '63.

Temperature dependence of changes in the region of a weak magnetic field in bismuth and its alloys with antimony. G. A. Ivanov, A. M. Popov. Fiz. tver. tela 5 no. 3:940-948 Mr '63.

Temperature dependence of the electrical conductivity of metals in a magnetic field. E. G. Skortskais. Fiz. met. i metallurg. 15 no. 2:166-169 F '63.

Theory of paramagnetic relaxation of F-centers in magnetic fields of arbitrary strength. M. F. Delgen, G. V. Korobko. Fiz. tver. tela 5 no. 4:1126-1131 Ap '63.

Theory of the electroconductivity of ionic semiconductors in strong electric and magnetic fields [with summary in English]. R. F. Kazarinov, V. G. Skobov. Zhur. eksp. i teor. fiz. 44 no. 4:1368-1374 Ap '63.

MAGNETIC FIELDS—INDUSTRIAL APPLICATIONS

Magnetic control in gas-arc welding with a consumable electrode. I. U. A. Dominskii, V. I. Diantov. Avtom. svar. 10 no. 4:82-83 Ap '63.

MAGNETIC MEASUREMENTS

Apparatus for continuous measurement and recording of slowly varying magnetic fields. V. N. Luzin, I. A. Radkevich, V. V. Sokolovskii. Prib. i tekhn. eksp. 7 no. 4:102-106 Ji-Ag '62.

Determining the configuration of the magnetic field in X-units of a proton synchrotron. M. A. Veselov and others. Prib. i tekhn. eksp. 7 no. 4:212-217 Ji-Ag '62.

Device for measuring the magnetic field by means of permalloy transducers and its use in adjusting a proton synchrotron. I. A. Radkevich and others. Prib. i tekhn. eksp. 7 no. 4:220-236 Ji-Ag '62.

Device for measuring magnetic susceptibility. L. P. Strakhov, Tu Shan'-tsze [Tu Shan-chieh]. Prib. i tekhn. eksp. 8 no. 2:145 Mr-Ap '63.

Device for measuring the rate of magnetic field variation in a proton synchrotron. A. G. Alekseev, M. P. Vasil'ev, I. V. Mozin. Prib. i tekhn. eksp. 7 no. 4:236-239 Ji-Ag '62.

Effect of the vacuum chamber on the magnetic field in a proton synchrotron. I. U. M. Goriachev, N. N. Grekov, S. V. Skachkov. Prib. i tekhn. eksp. 7 no. 4:217-223 Ji-Ag '62.

Induction method for measuring the pulse magnetic field in a synchrotron. V. A. Vialov, V. N. Kuz'min, I. U. K. Petrov. Prib. i tekhn. eksp. 8 no. 2:137-139 Mr-Ap '63.

Measurement of the principal magnetic characteristics of S-units of a proton synchrotron. V. S. Borisov and others. Prib. i tekhn. eksp. 7 no. 4:206-212 Ji-Ag '62.

Study and correction of the horizontal component of the magnetic field in a proton synchrotron on low densities. V. V. Barmin and others. Prib. i tekhn. eksp. 7 no. 4: 223-229 Ji-Ag '62.

Study and corrective measurements of the magnetic characteristics of S-elements of a proton synchrotron with low fields. A. N. Talyzin and others. Prib. i tekhn. eksp. 7 no. 4:184-192 Ji-Ag '62.

System of power supply to a stand for magnetic measurements. I. F. Kleopov, N. V. Lazarev. Prib. i tekhn. eksp. 7 no. 4:203-208 Ji-Ag '62.

Use of permalloy transducers for mass magnetic measurements in a proton synchrotron. A. G. Alekseev and others. Prib. i tekhn. eksp. 7 no. 4:179-184 Ji-Ag '62.

MAGNETIC PROSPECTING

(see also subdivision under Russia, Northern)

Some characteristics of the quantitative interpretation of high-precision aeromagnetic surveying. A. M. Karasik, V. E. Volk. Trudy NIIGA 132:180-186 '62.

MAGNETIC RECORDERS AND RECORDING

Standard specifications of the control sound track for the synchronization of the nonperforated sound carrier [with summary in English on p. 88]. V. G. Lukacher. Tekh. kino i telev. 7 no. 4:56-59 Ap '63.

MAGNETIC SEPARATION OF ORES

Classification of magnetic separators. V. G. Derkach. Obog. rud 7 no. 2:28-34 '62.

Effect of magnetic agitation and retreatment of products on indices of the wet separation of magnetite ores. V. G. Derkach, N. F. Egorov. Obog. rud 7 no. 5:9-16 '62.

Magnetic separation of iron ores in modern plants in foreign countries. A. M. Levitskii. Obog. rud 7 no. 2: 44-50 '62.

Materials for permanent magnets in separators. A. M. Levitskii. Obog. rud 7 no. 3:46-52 '62.

"Modern methods of magnetic separation of ferrous ores" by V. I. Karmanin. Reviewed by V. G. Derkach. Gor. zhur. no. 3:77-79 Mr '63.

MAGNETIC SEPARATION OF ORES—EQUIPMENT AND SUPPLIES

Special materials used in the manufacture of electro-magnetic and magnetic separators. A. M. Levitskii. Obog. rud 7 no. 5:49-53 '62.

MAGNETIC STORMS

(see also subdivision under Arctic regions)

Space-time distribution of an ionospheric disturbance in high latitudes of the Northern and Southern Hemispheres after large chromospheric flares. R. A. Zevakina. Geomag. i aer. 3 no. 1:79-87 Ja-F '63.

Structure of the boundary layer between the magnetic field and the plasma stream. I. U. S. Sigov, B. A. Tverskoi. Geomag. i aer. 3 no. 1:43-49 Ja-F '63.

Variations in the intensity of aurora luminescence and geomagnetic disturbances. G. A. Loginov, M. I. Pudovkin, R. G. Skrynnikov. Geomag. i aer. 3 no. 1:59-62 Ja-F '63.

MAGNETISM, TERRESTRIAL

(see also subdivision under Antarctic regions; Arctic regions; Enderby Land; Vostok Station, Antarctica; Yenisey Valley)

Characteristics of the movement of a charged particle in the geomagnetic field. A. F. Kovalevskii. Geomag. i aer. 3 no. 1:50-58 Ja-F '63.

Energy spectrum of the internal part of the earth's constant magnetic field for the epochs 1855 and 1858. N. K. Osipov. Geomag. i aer. 3 no. 1:174-176 Ja-F '63.

Long-period gigantic pulsations of the geomagnetic field. A. I. Ol'. Geomag. i aer. 3 no. 1:113-120 Ja-F '63.

Magnetism of the transition beds between zones with direct and reversed magnetization. A. I. A. Vlasov, G. V. Kovalenko. Izv. AN SSSR, Ser. geofiz. no. 4:552-560 Ap '63.

Meeting of the Executive Committee of the International Association of Geomagnetism and Aeronomy. N. V. Pushkov. Geomag. i aer. 3 no. 1:177-178 Ja-F '63.

New method for calculating the vertical derivatives of potential fields in the upper half space. M. I. Lapina, V. N. Strakhov. Izv. AN SSSR, Ser. geofiz. no. 4:561-577 Ap '63.

Spherical analysis of the constant geomagnetic field for the period 1855 through 1858. Pt. 2. N. V. Adam and others. Geomag. i aer. 3 no. 1:121-126 Ja-F '63.

MAGNETISM, TERRESTRIAL—BIBLIOGRAPHY see Bibliography—Magnetism, Terrestrial

MAGNETISM, TERRESTRIAL—OBSERVATIONS

Direct observation of solar plasma streams at a distance about 1,800,000 km. from the earth on February 17, 1961, and simultaneous observations of the geomagnetic field. K. I. Gringauz and others. Isk. sput. Zem. no. 15:98-101 '63.

MAGNETISM, TERRESTRIAL—SECULAR VARIATION

(see also subdivision under Atlantic Ocean; Indian Ocean)

Regional secular geomagnetic variations in the U.S.S.R. V. I. Pochtarev. Geomag. i aer. 3 no. 1:145-147 Ja-F '63.

MAGNETITE

Effect of magnetic agitation and retreatment of products on indices of the wet separation of magnetite ores. V. G. Derkach, N. F. Egorov. Obog. rud 7 no. 5:9-16 '62.

MAGNETIZATION

Remagnetization loop of a film under plane, alternating stress. A. G. Leonik. Fiz. met. i metallurg. 15 no. 2:175-180 F '63.

MAGNETOACOUSTIC EFFECT

Ultrasonic excitation of vibrations of Bloch walls and nuclear acoustic paramagnetic resonance in ferromagnetics. L. L. Blushvill. Fiz. tver. tela 5 no. 4:1027-1030 Ap '63.

MAGNETOELECTRIC EFFECT

Magnetoelectric effect in titanium oxide TiO_3 [with summary in English]. B. I. Al'shin, D. N. Astrov. Zhur. eksp. i teor. fiz. 44 no. 4:1195-1198 Ap '63.

MAGNETOHYDRODYNAMICS

Discontinuity of a magnetohydrodynamic boundary layer. A. B. Vatazhin. Prikl. mat. i mekh. 27 no. 2:338-341 Mr-Ap '63.

Symmetric magnetohydrodynamic flows. A. I. Morozov, L. S. Solov'ev. Dokl. AN SSSR 149 no. 3:550-553 Mr '63.

MAGNETOMETER

Magnetometer employing the method of optical feeding. E. I. Dashevskaya, A. N. Kozlov. Geomag. i aer. 3 no. 1:171-172 Ja-F '63.

MAGNETOOPTICAL EFFECT

Theory of nonlinear optical effects. L. N. Ovander. Fiz. tver. tela 5 no. 3:872-873 Mr '63.

MAGNETOOPTICS

Zeeman effect in a variable field. V. E. Mitsuk. Opt. i spekt. 14 no. 3:418-420 Mr '63.

MAGNETOSTRICTION

Volumetric magnetostriction of iron and iron-silicon alloys. F. N. Dunayev, V. M. Kalinin. Fiz. met. i metallurg. 15 no. 2:170-174 F '63.

MAGNETOTHERMAL EFFECTS see Thermomagnetism

- MAGNITOGORSK—CHORAL SOCIETIES**
Magnitogorsk Chorus. A. Koposov. Sov. muz. 27 no. 2: 83-94 F '63.
- MAGNITOGORSK—SINTERING—EQUIPMENT AND SUPPLIES**
Machine maintenance operations at the sintering plant of the Magnitogorsk Metallurgical Combine. V. A. Kozlov. Obog. rud. 7 no. 4:42-47 '62.
- MAGNITOGORSK—STEEL INDUSTRY**
"Let's find the Integral!" V. Novikov. Mol. komm. no. 7:17-18 Ji '62.
- MAGPIES** see subdivision under Ulan-Ude
- MAGRACHEV, LAZAR'**
"Voices of life" by L. Magrachev. Reviewed by T. Staleva. Sov. radio i tel. 12 no. 1:40 Ja '63.
- MAHARATTA LANGUAGE** see Marathi language
- MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1894-1930**
"Case No. 2," on the creative history of the work "Golden calf." Lidiia Ivanovskaya. Vop. lit. 7 no. 2:176-191 F '63.
- MAIBORODA, GEORGI ILLARIONOVICH, 1913-**
Meeting with a beloved artist. IU. Malyshov. Sov. muz. 27 no. 3:84 Mr '63.
- MAIKOP—MOTORCYCLE RACING**
No, the matter does not depend on the fence. R. Danellian. Za rud. 21 no. 3:4 Mr '63.
- MAIKOP REGION—GAS, NATURAL—GEOLOGY**
Determining the time of the formation of gas pools. G. A. Aleksin, S. I. Gorlov, A. I. D'iskonov. Geol. nefli i gaza 7 no. 3:43-48 Mr '63.
- MAIZE** see Corn (Maize)
- MAKANCHI DISTRICT—MINERAL WATERS**
Baryk-Arasan Springs. S. I. Zamiatin. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:27-32 '62.
Use of Baryk-Arasan mineral water in the treatment of patients suffering from chronic gastritis. N. G. Prikhodchenko. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:49-57 '62.
- MAKARENKO, ANTON SEMENOVICH, 1888-1939**
A. S. Makarenko; on his 75th birthday. L. V. Ivanov. Geog. v shkole 26 no. 2:2-8 Mr-Apr '63.
A. S. Makarenko on parents' responsibility for the education of their children. O. Frolova. Doshk. vosp. 36 no. 3:63-67 Mr '63.
Anton Semenovich Makarenko in Bulgaria. O. Obreshkov. Nar. obr. no. 4:104-105 Ap '63.
Educator and innovator. M. Vinogradova. Shkola-int. no. 2:5-8 Mr-Apr '63.
Father, friend and comrade. A. Orisenko. Shkola-int. no. 2:18-19 Mr-Apr '63.
Letter from Hungary. Ferenc Abent. Nar. obr. no. 4: 108 Ap '63.
Let's educate them through work and for work! V. N. Fedorova. Biol. v shkole no. 2:11-18 Mr-Apr '63.
Let's learn from Makarenko. B. Aleksandrov. Doshk. vosp. 36 no. 3:68-69 Mr '63.
Living monument. B. Kaspiina. Nach. shkola 31 no. 2:3-7 Mr-Apr '63.
Living spring of Soviet pedagogics. Inostr. faz. v shkole no. 2:3-7 Mr-Apr '63.
Man with a capital letter. V. Kleitman. Shkola-int. no. 2:22-24 Mr-Apr '63.
Man with high culture. R. Gotman. Shkola-int. no. 2: 13 Mr-Apr '63.
On the occasion of the 75th birthday of A. S. Makarenko. Shkola-int. no. 1:63-67 Ja-F '63.
Our Anton. G. Kamysanskii. Shkola-int. no. 2:18-22 Mr-Apr '63.
Our Makarenko. Werner Kienitz. Nar. obr. no. 4:99-101 Ap '63.
Outstanding educator. Stanciu Stolan. Georgica Flanica. Nar. obr. no. 4:106-107 Ap '63.
Outstanding Soviet educator. Nach. shkola 31 no. 3:3-10 Mr '63.
Outstanding Soviet educator; on the 75th anniversary of A. S. Makarenko's birth. O. H. Kravchenko. Ukr. ist. zhur. 6 no. 2:120-123 Mr-Apr '63.
Pedagogics creating a type of new man. M. P. Pavlova. Nach. shkola 31 no. 3:11-18 Mr '63.
Pioneer of communist education. Frantisek Holesovsky. Nar. obr. no. 4:102-103 Ap '63.
What has left a lifelong memory. Petr Drozdruk. Shkola-int. no. 2:14-18 Mr-Apr '63.
Word about my teacher. A. Syatko. Ogonek 42 no. 13:28 Mr '63.
- MAKEYEVKA—CANNING INDUSTRY—EQUIPMENT AND SUPPLIES**
Testing of the steam band blancher developed by Suchek-lin at the Dmitriyevsk Dried Vegetable Plant. L. M. Morezenskii, R. I. A. Granovskaya. Kons. i ov. prom. 18 no. 5:8-12 My '63.
- MAKEYEVKA—REVOLUTION, 1917-1921**
Zaporozhets, M. Ia. [How the Makeyevka Communists struggled for the victory and consolidation of Soviet rule] Kommunisty Makeevki v bor'be za pobedu i ukreplenie Sovetskoi vlasti. [Donetsk] Donetskoe knizhnoe izd-vo, 1961, 182 p.
- MAKEYEVKA—WOOD-USING INDUSTRIES—BY-PRODUCTS**
Utilization of white pigment and sewage waters of the Dmitriyevsk Wood Chemical Plant. V. V. Pefilov, I. F. Chistov, V. N. Bogoslavskaya. Stor. trud. TSNILKH no. 14:60-73 '61.
- MAKHARADZE DISTRICT—COMMUNITY CENTERS**
This club is a center of mass political work. G. Ebrahizze. Blok. agit. [Gruz.] 19 no. 23:13-14 D '62.
- MALACON**
Characteristics of water in malacons. K. S. Ershova, V. M. Rekharskaya. Min. syr'a no. 6:114-117 '62.
- MALAGASY LANGUAGE—GRAMMAR**
Arakin, V. D. [The Malagasy language] Mal'gashskii iazyk. Pod obshch. red. G. P. Serduchenko. Moskva. Izd-vo vostochnoi lit-ry, 1963. 62 p. (IAzyki zarubezhnogo Vostoka i Afriki)
- MALAGASY REPUBLIC—ECONOMIC CONDITIONS**
The Malagasy youth and neocolonialism. R. Andriaman-zhato. Mol. komm. no. 2:117-118 F '63.
- MALAGASY REPUBLIC—POLITICS AND GOVERNMENT**
For the real independence of Madagascar. Victor Paccu. Vsem. prof. dvizh. no. 4:17-19 Ap '63.
- MALAGASY REPUBLIC—TRADE UNIONS**
For the real independence of Madagascar. Victor Paccu. Vsem. prof. dvizh. no. 4:17-19 Ap '63.
- MALAGASY REPUBLIC—YOUTH**
The Malagasy youth and neocolonialism. R. Andriaman-zhato. Mol. komm. no. 2:117-118 F '63.
- MALAYA STANTSIA—FURNITURE INDUSTRY**
Proved by life. A. 4 dolin. Koop. Kazakh. 5 no. 12: 14-15 D '62.
- MALGACHE LANGUAGE** see Malagasy language
- MALIAN, DAVID**
Actor of the contemporary theme. A. Araksmanian. Teatr 24 no. 3:81-85 Mr '63.
- MALIC DEHYDROGENASE**
Preparation of dehydrogenases of L-malic acid and the reduced form of diphosphopyridine nucleotide from cytoplasmic membranes of *Micrococcus lysodoliticus* [with summary in English]. N. S. Gel'man, I. G. Zhukova, A. I. Oparin. Biokhimiia 20 no. 1:123-127 Ja-F '63.
- MALINGERING**
Simulation of schizophrenia. M. N. Fedorova. Prak. sudobnopsikh. eksperti. no. 5:36-45 '61.
- MALONIC ACID**
Synthesis and saponification of alkoxymethyl ethyl malonic esters. O. S. Stepanova, E. A. Iatsenko. Zhur. VKHO 8 no. 1:114 '63.
- MALYAROSLAVETS DISTRICT—COLLECTIVE FARMS—MANAGEMENT**
Distribution and specialization of agricultural production on the collective farms of Maloyaroslavets District, Kaluga Province. S. S. Romanova. Dokl. TSKHA no. 48: 125-131 '61.
- MALT**
Production of malt from corn. T. N. Lavrishcheva, N. A. Emel'ianova. Khar. prom. no. 1:30-32 Ja-Mr '63.
- MALYSHEV, VALERII**
Path of a young singer. IU. Barsov. Sov. muz. 27 no. 1:86-87 Ja '63.
- MALYSHKO, ANDRII, 1912-**
Folklore elements in the work of Andrii Matyushko. Nar. tvorch. ta etn. 6 no. 4:23-29 O-D '62.
- MAMAKAN HYDROELECTRIC POWER STATION**
Electric power plant in the permafrost region. Gldir. stol. 33 no. 2:1 F '63.
Mamakan, the sister of Bratsk. V. Pavlov. Ogonek 41 no. 13:12-13 Mr '63.
- MAMMALS**
Adaptive characteristics of the blood in mammals. P. A. Korzhuev. Trudy Inst. morf. zhiv. no. 4:15-10 '62.
- MAMMALS, FOSSIL** see subdivision under Kazakhstan
- MAMMARY GLANDS—CANCER**
Observations of late cancer metastasis of the mammary gland. L. V. Korjakov. Klin. khir. no. 5:72-73 My '62.
- MAMMARY GLANDS—TUMORS**
Case of degeneration of a fibroadenoma of the gland into a sarcoma. M. A. Gurevich. Klin. no. 5:74-75 My '62.
Lentlike fibroadenoma of the mammary gland. Milynskii, I. A. M. Nikolaichuk. Klin. khir. n. 76 My '62.
- MAN, PREHISTORIC** see subdivision under Ai Enai
- MAN IN SPACE** see Life support systems (Space environment)
- MANILLO, FEDOR FEDOROVICH**
The artist F. Manillo. L. Popova, V. Tseltner. stv. 25 no. 12:43-45 '62.
- MANEVICH, ALEKSANDR MENDELEVICH, 1901-**
The modern theme entails obligations. O. Tom. Sov. muz. 27 no. 4:111-112 Ap '63.
- MANGANESE**
Recombination properties of manganese in germ E. G. Landshery, S. G. Kalashnikov. Fiz. tver. no. 4:1067-1076 Ap '63.
Symbiotic growth of Metalligenium. G. A. Zava V. V. Epikhina. Dokl. AN SSSR 148 no. 4:933 '63.
- MANGANESE—SPECTRA**
Calculation of the paramagnetic resonance spectra Mn²⁺. M. M. Zaripov, Sh. F. Muratov, V. G. Opt. i spekt. 14 no. 3:421-422 Mr '63.
- MANGANESE CHLORIDES**
Double compounds of urea and manganese chlor. I. G. Druzhinin, K. Ryabovskiy. Izv. AN Kir. ent. i tekhn. nauk 4 no. 9:21-32 '62.
- MANGANESE IN THE BODY**
Effect of thermal skin burns on the copper and content of the liver and blood. V. R. Soroka. khir. no. 5:20-22 My '62.
- MANGANESE-IRON-CHROMIUM ALLOYS** see Iron-chromium-manganese alloys
- MANGANESE MINES AND MINING** see subdivision Chitura
- MANGANESE MINES AND MINING—EQUIPMENT SUPPLIES**
Practice and prospects for over-all mechanization of manganese ores. A. F. Litvinuk, I. I. Ostrov, S. N. Shilavskii. Gor. zhur. no. 4:41-46 Ap '63.
- MANGANESE-NICKEL ALLOYS** see Nickel-manganese alloys
- MANGANESE ORES** see subdivision under Nikopol' region
- MANGANESE ORES—ANALYSIS**
(see also subdivision under Nikopol' region)
Phosphorus distribution between ore and rock in manganese ores. I. A. I. Ponom. Obog. rud. 14-16 '62.
- MANGANESE SULFATES**
Isotherm of the system consisting of manganese sodium sulfates at 25°C. I. G. Druzhinin, V. N. Khovn. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 8:1-4 '63.
Properties of double compounds of urea, manganese sulfate, and water. I. G. Druzhinin, N. Dalshev. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 8:1 '62.
- MANGANESE TELLURIDE—MAGNETIC PROPERTIES**
Shape and width of X-ray K₂1, 2 lines of manganese MnTe in the temperature region of antiferromagnetic transformations. R. M. Ovrutskaya, B. I. Kotliar Vainshtein. Fiz. met. i metalloved. 15 no. 2:3 F '63.
- MANGEL-WURZEL**
Mangel-wurzel. B. Aleksandrov. IUn. nat. no. 3 '63.
- MANGYSHLAK PENINSULA—ARCAEAE, FOSSIL**
Some Lower Cretaceous Cucullaea in the Mangysh Peninsula. A. A. Savel'ev. Trudy VNIGRI no. 1 Paleont. sbor. no. 3:183-217 '62.
- MANGYSHLAK PENINSULA—GAS, NATURAL—GEOLOGY**
Tectonic structure, and oil and gas potentials of southern Mangyshlak Peninsula. A. I. Dimakov, Semenova, G. I. Stepanova. Geol. nefli i gaza 7 no. 3:40 Mr '63.
- MANGYSHLAK PENINSULA—PETROLEUM GEOLOGY**
Tectonic structure, and oil and gas potentials of southern Mangyshlak Peninsula. A. I. Dimakov, Semenova, G. I. Stepanova. Geol. nefli i gaza 7 no. 3:40 Mr '63.

MANGYSHLAK PENINSULA—INOCERAMUS

Ablian Inoceramidae in the Mangyshlak Peninsula. A. A. Savel'ev. Trudy VNIGRI no. 196. Paleont. sbor. no. 3:219-275 '62.

MANGYSHLAK PENINSULA—PALYGORSKITE

Palygorskite from Mangyshlak Lower Oligocene deposits. E. S. Tikhomirova. Dokl. AN SSSR 149 no. 3:688-691 Mr '63.

MANGYSHLAK PENINSULA—WATER, UNDERGROUND

Water resources of the mountainous part of the Mangyshlak Peninsula. V. B. Kolpakov. Trudy Inst. nefi AN Kazakh, SSSR 4:64-111 '61.

MAN'KOVSKI, BORIS NIKITICH, 1883-1962

Boris Nikitch Man'kovskii. Vrach, dolo no. 3:155-156 Mr '63.

MANNED SPACE FLIGHT

Preliminary data on physiological studies during manned space flight [with summary in English]. U. M. Volynkin, V. V. Parin, V. I. Lazdovskii. Prohl. koun. biol. 2:7-10 '62.

MANOMETER

Basis of a method for calculating the thermal inertia in a Pirani manometer. G. A. Koklin. Trudy T'SAO no. 40 65-67 '62.

MANOMETER—TESTING

Device for setting manometers into a checking press. A. S. Medovaia. Izv. tekhn. no. 8:37 Ag '62.

MANUAL TRAINING

Duties of a foreman in school workshops. V. Zhelezniak. Shkola i proizv. 7 no. 2:91-92 F '63.
Establishing work norms for students. D. M. Tarnopol'skii. Shkola i proizv. 7 no. 2:39-41 F '63.
Forming work skills and habits. V. V. Mstisluk. Shkola i proizv. 7 no. 2:36-38 F '63.
Some stimulating factors in work training. I. M. Tsvetkov. Nach. shkola 31 no. 2:45-48 F '63.

MANUFACTURES—ABSTRACTS

[Communal, household, and commercial equipment] Ref. zhur.: Kommun., byt. i org. obor. no. 5 My '63.
[Light industry] Ref. zhur.: Log. prom. no. 5 My '63.

MANUSCRIPTS

Speranskii, M. N. [Manuscript collections from the 18th century; materials for the history of 18th century Russian literature] Rukopisnye sborniki XVIII veka; materialy dlia istorii russkoi literatury XVIII veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 266 p.

MANUSCRIPTS, UKRAINIAN

"Protocol book of the Bishop of Mukachovo," a monument of the Ukrainian literary language in Transcarpathia from the second half of the 18th century. U. IA. IEDlin'ska. Dosl. i mat. z ukr. movy 3:52-67 '60.

MANYCH-GUDILO, LAKE—DESCRIPTION

Manych-Gudilo, V. A. Minoranskii. Priroda 62 no. 4:76-80 '63.

MAPLE

Development of the structure of the seedling of Acer platanoides L. [with summary in English]. E. A. Kondrat'eva-Mel'vil'. Bot. zhur. 48 no. 2:199-210 F '63.

MAPS

Learning geography from a map in the eight-year school. N. M. IAKovlev. Geog. v shkole 26 no. 2:39-41 Mr-Apr '63.

MAPS—SYMBOLS

Teaching how to fill in a map in school geography lessons. N. V. Malakhov. Geog. v shkole 26 no. 2:47-52 Mr-Apr '63.

MARATHI LANGUAGE—GRAMMAR

Katesina, T. E. [Outline grammar of the Marathi language] Ocherk grammatiki iazyka marakhi. Moskva, Izd-vo lit-ry na inostr. iazykakh, 1963. 284 p.

MARGELAN—THEATER

Arkad'eva, A. N., and TS. Tikhonova. [Margelan folk talents] Margelenskoe narodnoe talanty. Tashkent, Gosizdat Uzbekskoi SSR, 1962. 86 p. (MH)

MARI A. S. S. R. —DENTISTRY

Fourth Conference of Stomatologists and Dentists in the Mari A. S. S. R. M. M. Ivanov. Stomatologiya 41 no. 5:108-109 S-O '62.

MARI A. S. S. R. —PIONEERS (COMMUNIST YOUTH)

In the camp "Vostok." R. Fominykh. Shkola-int. no. 2:53-54 Mr-Apr '63.

MARI A. S. S. R. —STOMATOLOGY

Fourth Conference of Stomatologists and Dentists in the Mari A. S. S. R. M. M. Ivanov. Stomatologiya 41 no. 5:108-109 S-O '62.

MARI-BOLOGY see subdivision under Antarectic Ocean; White Sea

MARINE DIESEL ENGINES

(see also subdivision under Germany, West)
Experience in the operation of Deitz engines. A. A. Skliurenko. Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:29-38 '62.
Increasing the efficiency of power plants on merchant marine motorships. I. A. Zaitsev, S. IA. Fishman. Sudostroenie 20 no. 4:26-29 Ap '63.
Method of eliminating the overheating of diesels under overload. I. N. Nigmatulin, V. A. TSenev. Ryb. khoz. 39 no. 2:44-50 '63.
Operating conditions of type MAN GV 23, 5/33 diesel generators. A. V. Koz'minykh, V. I. Sokolov. Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:35-39 '62.

MARINE DIESEL ENGINES—DESIGN AND CONSTRUCTION

Competition in the cooperation and participation in the creation of marine diesel engines. Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:138-141 '62.

MARINE DIESEL ENGINES—MAINTENANCE AND REPAIR

New standards of wear and tear and repair intervals for engines of SRT type boats. A. M. Aleksandrov. Ryb. khoz. 39 no. 4:30-39 '63.

MARINE ENGINEERING

Graphic methods for solving complex diagrams for the parallel operation of centrifugal pumps. A. A. Mochul'skii. Sudostroenie 29 no. 4:16-19 Ap '63.

Ship systems and devices. Sudostroenie 29 no. 3:38 Mr '63.

MARINE ENGINEERING—BIBLIOGRAPHY see Bibliography—Marine engineering

MARINE ENGINEERING—CONGRESSES

Conference on metal welding in marine engineering. Z. B. Dreizenshtok. Sudostroenie 29 no. 4:72-74 Ap '63.
Conference on the development of marine power plants. I. M. Bystryevskii. Sudostroenie 29 no. 4:74 Ap '63.

MARINE ENGINEERING—PATENTS see subdivision under Great Britain

MARINE ENGINES

Determination of optimum operating conditions of marine steam powered machines. B. I. Buber. Trudy MIT no. 139:254-262 '61.
Development of power plants on ships with underwater wings. V. M. Koliuko. Sudostroenie 29 no. 3:22-25 Mr '63.
Device for the heat engineering control of 3D6 engines. A. Martynov. Rech. transp. 22 no. 4:38 Ap '63.
Indicos of power efficiency of motor tugboats. A. Aleksandrov. Rech. transp. 22 no. 3:29-30 Mr '63.
Laying the crankshafts of main steam and internal combustion engines on freighters. A. Bryntsev. Mor. flot 23 no. 1:31-32 Ja '63.
Multiple spindle valve lapping machine for internal combustion engines. V. A. Sizov. Sudostroenie 29 no. 3:48-51 Mr '63.
Two-speed regulation conditions in single lever remote control. A. Smuntser. Rech. transp. 22 no. 3:40-41 Mr '63.

MARINE ENGINES—LUBRICATION

Self-cleaning oil filter. A. P. Morozov, A. IA. Ipatenko. Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:60-63 '62.

MARINE ENGINES—WELDING

Conference on metal welding in marine engineering. Z. B. Dreizenshtok. Sudostroenie 29 no. 4:72-74 Ap '63.
Exchange of experience on metal welding in marine engineering. V. F. Khorunov. Avtom. svar. 16 no. 2:60-61 F '63.

MARINE FAUNA

Histochemical study of the succinic oxidase system in certain hydrobionts. V. V. Khlebovich. Dokl. AN SSSR 148 no. 4:966-969 F '63.

MARINE FOULING

Use of paint and lacquer coatings for the protection of hydraulic structures against fouling. E. V. Iskra. Lakokras. mat. i ikh prim. no. 2:37-39 '63.

MARINE GAS TURBINES

Efficiency of marine gas turbine plants with separate consumption of the working medium. V. IU. Tikhoplav. Sudostroenie 29 no. 3:25-29 Mr '63.
Investigating ring diffusers on marine gas turbine plants. S. F. Abramovich, L. G. Vasil'ev. Sudostroenie 29 no. 3:34-38 Mr '63.
Method for evaluating heat transmitting surfaces of the regenerators of marine gas turbine systems. B. S. D'ichenko. Trudy MIT no. 139:110-118 '61.

MARINE GAS TURBINES—DESIGN AND CONSTRUCTION

[Design of gas turbine plants] Konstruktsii gazoturbinskih ustanovok; opisanie. [By] N. F. Galitskii i dr. Leningrad, Sudpromgiz, 1962. 163 p.

MARINE PIPE FITTING

Determining wall deformation and bending moments in the cold bending of pipe. A. D. Kovtun. Sudostroenie 29 no. 4:45-47 Ap '63.
Mutual effect of air duct offtakes. V. D. Dmitriev. Sudostroenie 29 no. 4:19-23 Ap '63.
Replacing rigid pipelines by flexible rubber-fabric hose. G. G. Metelkin, B. K. Krechman. Sudostroenie 29 no. 4:60-61 Ap '63.

MARINE RESOURCES

Ocean wealth. L. A. Zenkevich. Priroda 62 no. 4:53-54 '63.

MARINE SERVICE—TERMINOLOGY

Viktorov, A. V., and L. V. Vasilenko. [English language for operating engineers and mechanics in sea transport] Angliskii iazyk dlia eksploatatsionnikov i mekhanizatorov morskogo transporta. Moskva, Izd-vo "Morskoi transport", 1962. 155 p.

MARINE TURBINES

Turbodriva sets for marine engine auxiliaries (from "AEG Mitteilungen," no. 3/4, 1962). Sudostroenie 29 no. 3:59-61 Mr '63.
Use of radial centripetal stages in main geared turbine units on ships. S. M. Sukhov. Mor. sbor. 46 no. 5:71-73 My '63.

MARITIME CONTRACTS see Contracts, Maritime

MARITIME LAW

(see also subdivision under Egypt; France; Great Britain; Japan; Netherlands; Poland)

"Basic Principles of the Civil Law of the U. S. S. R. and the Union Republics" and the maritime transportation of freight. K. I. Aleksandrova, L. M. Egorov. Inform. sbor. TSNIIMF no. 76. Mor. pravo i prak. no. 17:3-11 '62.

Decisions of the Arbitration Commission of the Ministry of Merchant Marine of the U. S. S. R. Inform. sbor. TSNIIMF no. 76. Mor. pravo i prak. no. 17:41-42 '62.

Decisions of the Maritime Arbitration Commission. Inform. sbor. TSNIIMF no. 76. Mor. pravo i prak. no. 17:42-49 '62.

Decisions of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R. Inform. sbor. TSNIIMF no. 76. Mor. pravo i prak. no. 17:41 '62.

MARITIME METEOROLOGY see Meteorology, Maritime

MARITIME TERRITORY—MEAT INDUSTRY

Meat industry of the Maritime Territory during the years of the seven-year plan. S. Bocharov, N. TSimbalo. Mias. ind. SSSR 33 [i.e. 34] no. 2:30-31 '63.

MARITIME TERRITORY—SNIPES

New find of the painted snipe Rostratula benghalensis L. in the U. S. S. R. V. F. Laronov. Ornitologiya no. 4:185 '62.

MARITIME TERRITORY—SWINE—FEEDING AND FEEDS

Conveying liquid feeds and water through pipes. I. Buzin. Tekhn. v sel'khoz. 23 no. 1:29-34 Ja '63.

MARRIAGE

(see also subdivision under Dagestan)
Editor's mail. Smenn 39 no. 12:18 Je '62.
They are entitled to this happiness. Evgenia Kiranova. Zhen. mira no. 3:15, 25 '63.

MARRIAGE CUSTOMS AND RITES see subdivision under Ceylon

MARRIAGE LAW see subdivision under Ukraine

MARROW

Isolation of Rickettsia burneti from the bone marrow of guinea pigs in experimental inoculation. T. L. Proreshnina. Vop. virus. 7 no. 6:745 N-D '62.

MARS (PLANET)

Biology of Mars. H. Chaichenko. Nauka i zhytlya 12 no. 2:25-27 F '63.
Mysterious neighbor of the earth. L. Maksimov. Kryl. rod. 14 no. 2:14-16 F '63.
Planet of riddles. B. Koltovoi. Nauka i zhytlya 12 no. 2:28-29 F '63.

MARSHAK, IL'IA IAKOVLEVICH, 1895-1953

Liapunov, B. V., comp. [Life and works of M. Il'in] Zhizn' i tvorchestvo M. Il'ina. Moskva, Deiziz, 1962. 462 p. (MH) (NIC) (RPB) (NN)

MARSHAK, SAMUIL IAKOVLEVICH, 1867-

Our Marshak. K. Mukhammadl. Uzbekiston 21 no. 11:11 N '62.

MARSHALL, HERBERT, 1912-

Herbert Marshall is interviewed on the theater in England. Teatr 24 no. 3:145-146 Mr '63.

MARSHALL, LOUISE

Louise Marshall. A. Tumanov. Sov. muz. 27 no. 1:107-108 Ja '63.

- MARTENS**
At the break of dawn; from a naturalist's notebook. P. Stefaev. Ukraina no. 4:30 F '63.
- MARTENSTE**
Effect of martensite already formed on the kinetics of further martensitic transformation. E. I. Estrin. Dokl. AN SSSR 148 no. 4:818-820 F '63.
- MARTINIQUE—ASSASSINATION**
Assassination of a political adversary. V. I. U. Rad. pravo no. 2:130-131 Mr-Apr '63.
- MARX, KARL, 1818-1883**
His name and work will survive the centuries; in connection with the publication of Galina Serebriakova's "Karl Marx." Z. Apresian. Mol. komm. no. 2:35-43 F '63.
"Karl Marx" by Galina Serebriakova. Reviewed by D. Avramov. Polit. samozbr. 7 no. 3:135-138 Mr '63.
Lapin, N. I. [The struggle around the ideological heritage of the young Marx] Bor'ba vokrug idoloogo nasledia molodogo Marksa. Moskva, Vysshaya shkola, 1962, 77 p.
Vygodskii, V. S. [Place of "Theories of surplus value" in Karl Marx's economics legacy] Mesto "Teorii pribavochnoy stoimosti" v ekonomicheskoy nasledii Karla Marksa. Pod red. I. A. Dorosheva. Moskva, Izd-vo VPSH i AON pri KPSS, 1963, 222 p.
- MARX, KARL, 1818-1883—BIBLIOGRAPHY** see Bibliography—Marx, Karl, 1818-1883
- MARY (CITY)—COLUMNS, CORINTHIAN**
Corinthian-type capital from Merve. G. A. Koshelenko, Z. I. Usmanova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1:87-88 '63.
- MASALLY—TEA**
Use of single drying and the new technology in the manufacture of black loose leaf tea. K. I. Makhmudov. Biokhim. chain. proizv. no. 9:122-125 '62.
- MASERS**
Absorption, emission, and scattering as dependent on the power of the incident radiation. P. A. Apanasevich. Izv. AN SSSR, Ser. fiz. 27 no. 4:492-496 Ap '63.
Concentration of the field of a light wave in a weakly inhomogeneous dielectric [with summary in English]. L. I. Gudzenko. Zhur. eksp. i teor. fiz. 44 no. 4:1298-1301 Ap '63.
Effect of noises on the generation of radiation from a finite plane-parallel layer. B. I. Stepanov, A. M. Samson, I. U. I. Cherkashina. Izv. AN SSSR, Ser. fiz. 27 no. 4:488-491 Ap '63.
Effect of the characteristics of a substance on the properties of the radiation generated by it. B. I. Stepanov, A. M. Samson, V. P. Gribkovskii. Izv. AN SSSR, Ser. fiz. 27 no. 4:473-476 Ap '63.
Generation of microwaves in ruby with optical pumping. G. M. Zverev, A. M. Prokhorov, A. K. Shevchenko. Zhur. eksp. i teor. fiz. 44 no. 4:1415-1418 Ap '63.
Generation of radiation by a system of plane-parallel layers. A. P. Khapaluk. Izv. AN SSSR, Ser. fiz. 27 no. 4:477-482 Ap '63.
Generation of radiation from an infinite plane-parallel layer. B. I. Stepanov and others. Izv. AN SSSR, Ser. fiz. 27 no. 4:460-465 Ap '63.
Grading of ammonia molecules in a maser. O. I. Mednikov, V. N. Parygin. Radiotekh. i elektron. 8 no. 4: 653-658 Ap '63.
Model of a quantum mechanical generator. I. U. I. Cherkashina. 7 no. 2:23 F '63.
Study of an optical generator on ruby at the temperature of liquid nitrogen. V. K. Konjukhov, L. A. Kulevskii, A. M. Prokhorov. Dokl. AN SSSR 149 no. 3:571-572 Mr '63.
Time variation of the spectral composition of the radiation from a quantum generator operated on neodymium-activated glass [with summary in English]. M. P. Vanjukov, V. I. Isaenko, V. V. Ljubimov. Zhur. eksp. i teor. fiz. 44 no. 4:1151-1152 Ap '63.
Traveling-wave quantum amplifiers in the three-centimeter band. E. K. Karlova and others. Prib. i tekhn. eksp. 8 no. 2:107-110 Mr-Apr '63.
Use of an optical quantum generator for the excitation of recombination luminescence in semiconductors. N. O. Basov, L. M. Lisitsyn, B. D. Osipov. Dokl. AN SSSR 149 no. 3:561-562 Mr '63.
- MASERS—ABSTRACTS**
Optics and lighting engineering. Tekh. kino i telev. 7 no. 4:86-89 Ap '63.
- MASS COMMUNICATION** see Communication and traffic
- MASS SPECTROMETRY**
Mass spectrometry study of secondary electron emission during the bombardment of platinum by argon ions. I. A. M. Fogel', R. P. Slabospitskii, A. S. Slavnyi. Radiotekh. i elektron. 8 no. 4:884-890 Ap '63.
- MASS TRANSFER**
Heat and mass transfer in capillary bodies in the process of heating [with summary in English]. O. A. Rudenko-Gritsiuk, A. A. Mikhelev. Inzh.-fiz. zhur. 8 no. 3: 95-98 Mr '63.
Intensification of some processes in the chemical industry by means of vibration. S. Bretsznjder, M. Jaszczuk, W. Pasluk. Khim. prom. no. 3:211-217 Mr '63.
Mass and heat transfer in the process of combustion in an air stream. G. N. Delagin, B. V. Kantorovich. Trudy IGI 19:10-23 '62.
Similarity criteria of heat and mass transfer in dispersive media. I. U. A. Mikhailov. Trudy MIT no. 139: 172-182 '61.
Use of integral transformations in the study of heat and mass transfer effects and their relationship to the similarity theory. A. V. Lykov. Trudy MIT no. 139: 16-19 '61.
- MASS TRANSFER—PERIODICALS**
Summaries of articles published in the international journal "Teplota i massopereenos" vol. 5, 1962. Inzh.-fiz. zhur. 8 no. 3:131-132 Mr '63.
- MASSAGE**
Medical gymnastics and massage in the treatment of poliomyelitis. N. A. Shkaduk, Vop. kur., i fizioter. i lech. fiz. kul't. 28 no. 1:76-77 '63.
Vacuum massage in the compound treatment of parodontosis. I. O. Novik, Z. M. Epel'beim. Stomatologiya 41 no. 5:3-5 S-O '62.
- MASTICATION**
New method of registering and evaluating the contracting capacity of the mastic and chewing musculature. N. E. Kavorova. Stomatologiya 41 no. 5:73-77 S-O '62.
Recording of the chewing movements of the lower jaw (oscillography). E. I. Gavrilov, N. I. Karpenko. Stomatologiya 41 no. 5:80-72 S-O '62.
Theory of functional links of the masticatory system. I. S. Rubinov. Stomatologiya 41 no. 5:65-69 S-O '62.
- MASTODON** see subdivision under Ottenia
- MASYUGINO REGION—MOUNDS**
Burial mounds with cremation near the Masyugino village. V. A. Bashilov. Sov. arkhool. 7 no. 2:151-157 '63.
- MATCH INDUSTRY**
Smirnov, A. V. [Prospects for the development of the veneer and match industries during the period from 1959 to 1965] Perspektivy razvitiya fanernoi i spichchnoi promyshlennosti v 1959 - 1965 gg. Moskva, Goslesbumizdat, 1960, 31 p.
- MATERIALS**
(see also subdivision under Leningrad Province)
Krol'k, Z. M. [Fundamentals of materials' study and repair work] Osnovy materialovedeniia i remontnogo dela; metodicheskie posobie dlia prepodavatelei i masterov sol'skikh professional'no-tekhnicheskikh uchilishch. Moskva, Proftekhizdat, 1962, 158 p.
Synthetic materials and the structure of the raw material balance of industry. E. Savinekil. Vop. ekon. no. 4: 41-52 Ap '63.
- MATERIALS—TESTING**
Method of measuring the specific pressure in pressing loose materials in roller presses. E. K. Fedorov, V. A. Gladkovskii, F. F. Kolesnikov. Gor. zhur. no. 3:64-66 Mr '63.
- MATERIALS AT HIGH TEMPERATURE**
Conference on high-temperature chemistry of silicates and oxide systems. M. A. Matveev, V. P. Barzakovskii. Zhur. VKHO 8 no. 2:224-226 '63.
- MATERIALS HANDLING**
(see also subdivision under Great Britain)
Improve the organization of auxiliary operations. A. Babenko. Mias. ind. SSSR 33 [i.e. 34] no. 2:48-50 '63.
Technical consultation. N. N. Iurganov, R. A. Volin. TSement 29 no. 2:22 Mr-Apr '63.
- MATERIALS HANDLING—ABSTRACTS**
[Industrial transportation] Ref. zhur.: Prom. transp. no. 5 My '63.
- MATERIALS HANDLING—EQUIPMENT AND SUPPLIES**
Golubkov, V. V., and K. N. Malakhov. [Mechanization of loading and unloading operations on foreign railroads] Mekhanizatsiia pogruzochno-razgruzochnykh rabot na zarubezhnykh zheleznnykh dorogakh. Moskva, Transzheldorizdat, 1963, 227 p.
- MATHEMATICAL ANALYSIS**
Krein, S. G., and V. N. Ushakov. [Mathematical analysis of elementary functions] Matematicheski analiz elementarnykh funktsii. Moskva, Fizmatgiz, 1963, 168 p.
- MATHEMATICAL ECONOMICS** see Economics, Mathematical
- MATHEMATICAL MODELS**
Mathematical modeling of the car accumulation process in classification yards. E. A. Sotnikov. Vopr. MPSS 22 no. 2:59-62 '63.
- MATHEMATICAL PHYSICS**
"Methods of mathematical physics." Vol. 2 [a collection of papers by R. Courant, P. Hilbert, "Partial differential equations" in English] by R. Courant. Reviewed by L. Zorkin. Zhur. vych. mat. i mat. fiz. 3 no. 1:11 Mr-Apr '63.
- MATHEMATICAL RECREATIONS**
Mathematical recreations. Nauka i zhizn' 10: 103, 109 Ja '63.
- MATHEMATICAL STATISTICS**
Asymptotic distribution of the statistics of the likelihood. I. U. V. Linnik, N. M. Mitrofanova. Dokl. AN SSSR 140 no. 3:518-520 Mr '63.
Consumer's satisfaction with goods for personal consumption on the number of standard sizes and colors of factors. I. U. S. Vinogradov. Shvein. prom. no. 1:11 Ja-F '63.
Gmurman, V. E. [Introduction to the theory of probability and mathematical statistics] Vvedenie v teorii veroyatnostei i matematicheskuyu statistiku. 2. dop. Moskva, Gos. izd-vo "Vysshaya shkola", 1963, 237 p.
- MATHEMATICIANS**
Mathematical calendar for the 1962-1963 school year. Mat. v shkole no. 2:84-85 Mr-Apr '63.
- MATHEMATICS**
"Introduction to computer mathematics" [in German] by E. Shlefer. Reviewed by K. A. Semendiaev. Zhur. vych. mat. i mat. fiz. 3 no. 2:410 Mr-Apr '63.
Possibilities of using methods of modern mathematics in geology [with summary in English]. I. U. A. Tikhonov. Geol. i geofiz. no. 1:124-128 '63.
Selected works [in Italian] by L. Tonelli. Reviewed by M. K. Korimov. Zhur. vych. mat. i mat. fiz. 3 no. 4:13-414 Mr-Apr '63.
Zol'dovich, I. A. B. [Higher mathematics for beginners and its applications to physics] Vysshaya matematika dlia nachinalushchikh i ee prilozheniia k fizike. Izd. 2., perer. i dop. Moskva, Fizmatgiz, 1961, 559 p.
- MATHEMATICS—ABSTRACTS**
[Mathematics] Ref. zhur.: Mat. no. 4 Ap '63.
- MATHEMATICS—CONGRESSES**
Fourth All-Union Conference of Mathematicians. Prib. ktb. no. 8:347-356 '62.
World Congress of Mathematicians. M. A. Lavrenko, L. D. Kudriavtsev. Vest. AN SSSR 33 no. 4:1-12 '63.
- MATHEMATICS—EXAMINATIONS, QUESTIONS, ETC.**
Let's change the contents of state examinations in mathematics. A. Z. Nasayrov. Vest. vys. shkoly 2 no. 3:77-78 Mr '63.
- MATHEMATICS—PERIODICALS** see subdivision under Bulgarian
- MATHEMATICS—PROBLEMS, EXERCISES, ETC.**
Acquainting students with the calculations of K. E. Tikhonovskii. A. M. Palei. Mat. v shkole no. 2:15-16 Mr-Apr '63.
Chislakov, V. D. [Collection of ancient problems in elementary mathematics with historical exercises and detailed solutions] Sbornik starinykh zadach po elementarnoi matematike s istoricheskimi etskazami i podrobnymi resheniiami. Minsk, Izd-vo M. M. Vyshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962, 198 p. [MICROFILM]
"Collection of independent and test papers for the 12th grade mathematics students" by B. P. Blokhin. Reviewed by N. P. Belov, P. I. Ivanov. Mat. v shkole no. 2:80 Mr-Apr '63.
Problems. Mat. v shkole no. 2:87-95 Mr-Apr '63.
- MATHEMATICS—STUDY AND TEACHING**
(see also subdivision under Estonia)
Connection between mathematics and industrial training. V. M. Kvashneva. Shkola i proizv. 7 no. 2:15-18 '63.
Editor's mail. Mat. v shkole no. 2:46-51 Mr-Apr '63.
First results and new tasks. Mat. v shkole no. 2:1-3 Mr-Apr '63.
How we assimilate and develop progressive experience. A. G. Nudel'man. Mat. v shkole no. 2:45-46 Mr-Apr '63.
Improving the mathematical training of engineers. Ministry of Higher and Secondary Specialized Education of the R. S. F. S. R. Vest. vys. shkoly 21 no. 3:71 '63.
In search of better methods; editor's mail. P. Sotnikov and others. Nar. obr. no. 4:43-48 Ap '63.

MATHEMATICS -- STUDY AND TEACHING (Continued)

Nauchnaia konferentsiia matematicheskikh kafedr pedagogicheskikh institutov Povolzh'ia, Ist. Ufimsk, 1961. [Transactions of the Conference of Mathematics Departments of Pedagogical Institutes in regions of the Volga Valley] Trudy. Kulbyshov, Kulbyshovskii gos. pedagog. in-t im. V. V. Kulbyshova.

No. 1. [Theoretical reports. Reports on the methodology of teaching mathematical sciences in pedagogical institutes] Teoreticheskie doklady. Doklady po metodike podavaniia matematicheskikh disziplin v pedagogicheskoi in-titute. 1962. 234 p. [MICROFILM]

Peakov, T. A. [Independent mathematical studies for grades 5-8] Samostoiatel'nata rabota uchashchikhsia po matematike v V-VIII klassakh. Moskva, Uchpedgiz, 1962. 102 p. (Iz opyta uchitel'a)

Schools specializing in mathematics. V. G. Ashkinuze, S. I. Shvartsbud. Mat. v shkole no. 2:81-83 Mr-Apr '63.

Work of the seminar "Present-day ideas of the teaching of mathematics." I. K. Andronov. Mat. v shkole no. 2: 84 Mr-Apr '63.

MATHEMATICS--TABLES, ETC.

Thompson, A. J. [Tables of logarithms to twenty decimal places. Translated from the English] Tablitsy dvadtsatiznachnykh desiatichnykh logarifmov chisel. Obrabotka tablits i perevod s angliiskogo M. G. Rapoport i L. I. Sazonovoi. Moskva, Vychislitel'nyi tsentr AN SSSR, 1961. 2 v. (Biblioteka matematicheskikh tablits, no. 15-16) (RPB)

MATRASSES--REPAIRING

Do-it-yourself home repairs. L. Kiselev. Izh. tekhn. 7 no. 12:68-70 D '62.

MATRICES

A condition for the complete reducibility of a matrix group. D. A. Suprunenko. Izv. AN SSSR, Ser. mat. 27 no. 2:435-439 Mr-Apr '63.

Effectiveness of a regular matrix. I. I. Oglovetskii. Izv. AN SSSR, Ser. mat. 27 no. 2:320-342 Mr-Apr '63.

Irreducible unitary representations of a group of second-order unimodular matrices with elements from a locally compact field. I. M. Gelfand, M. I. Graev. Dokl. AN SSSR 149 no. 3:490-501 Mr '63.

MATRIMONY see Marriage

MATSESTA--BATHS, MEDICATED

Highly concentrated Matsista water and its significance in the solution of some problems of hydrogen sulfide balneotherapy. K. F. Nikitin. Vop. kur., fizioter., i tekh. fiz. kul't. 23 no. 1:34-38 '63.

MATTER

Consensus and matter. A. I. Emelchenko. Vsesoyuzn. Kryn. un. no. 3, Ser. biol. no. 1:3-9 '60. Forming the concepts of the structure of matter during the elementary study of chemistry. IU. V. Khodakov, T. M. Drizovskaya. Izv. APN no. 122:172-193 '62.

MAUPASSANT, GUY DE, 1850-1893

Vulfovich, T. L. [The work of Maupassant] Tvorchestvo Maupassanta. Moskva, Gos. izd-vo "Vysshiaia shkola", 1962. 48 p. (V pomoshch' studentu-filologu)

MAUTHAUSEN (CONCENTRATION CAMP)

"Stories about unknown heroes" by S. S. Smirnov. Reviewed by V. Safonova. Komsom. zhizn' no. 4:30-31 F '63.

MAXILLARY SINUS--FOREIGN BODIES

Granulomas and a milk tooth in the maxillary sinus. I. M. Kibkalo. Stomatologiya 41 no. 5:98-99 S-O '62.

Rare case of a foreign body in the maxillary sinus. E. M. Belikova. Stomatologiya 41 no. 5:97-98 S-O '62.

MAXILLARY SINUS--TUMORS

Granulomas and a milk tooth in the maxillary sinus. I. M. Kibkalo. Stomatologiya 41 no. 5:98-99 S-O '62.

MAXIMS

[The world of wise thoughts] V mire mudrykh myslei. [Moskva] Izd-vo "Znanie," [1962] 360 p.

MAY DAY (LABOR HOLIDAY)

(see also subdivision under Tashkent) Toward new achievements! Mekh. strol. 20 no. 5:2 of cover-1 My '63.

MAY FLIES see subdivision under Amur Valley

MAYER, TOBIAS, 1723-1782

Outstanding explorers of the world of stars; J. Bradley, T. Mayer, M. La Caille, three astronomers of the 18th century. IU. G. Perel'. Priroda 52 no. 4:69-72 '63.

MAZUT

Transfer of a shaft limekiln to mazut. V. A. Naiveris. Strol. mat. 9 no. 3:23-25 Mr '63.

MEASLES

Experimental study of the pathogenesis of measles [with summary in English]. P. G. Sergiev, I. G. Shroft, N. E. Riasanteova. Pediatria 41 [i.e. 42] no. 2:28-35 F '63. Measles will be controlled. M. Petukhov, Rab. i slal. 30 no. 3:16-17 Mr '63.

Multiplication of the measles virus and formation of plaques in a cell culture of cutaneous and muscular tissue of a mouse embryo [with summary in English]. S. A. Demidova. Vop. virus. 7 no. 6:697-700 N-D '62.

MEASURING INSTRUMENTS

Application of the information theory to measuring equipment. E. F. Dolinski. Izh. tekhn. no. 8:40 Ag '62.

Devices for checking low-module spur gears. N. N. Markov, P. A. Sateerdov. Standartizatsiia 27 no. 4: 10-18 Ap '63.

Jakubova, A. [Principles of interchangeability and technical measurements] Savstarpemas apmainamibas pamati un tehniska merisana. Riga, Latvijas Valsts izdevnieciba, 1962. 368 p. [In Latvian]

Measures and measuring instruments approved by the committee on the basis of the results of their official testing and permitted to be used in the U.S.S.R. Izh. tekhn. no. 8:62-63 Ag '62.

Measures and measuring instruments excluded from the State Register. Izh. tekhn. no. 8:63 Ag '62.

Selecting needle parameters for measuring the micro-geometry of surfaces. V. A. Truten'. Trudy Kras. SKH 3 no. 1:336-342 '59.

Some investigations of a saddle-shaped measuring device. V. A. Truten'. Trudy Kras. SKH 3 no. 1:330-335 '59.

MEASURING INSTRUMENTS--STANDARDS

New standards for measures and measuring instruments approved by the committee. Izh. tekhn. no. 8:62 Ag '62.

MEASURING INSTRUMENTS--TESTING

(see also subdivision under Latvia)

Changes in instructions for the inspection of measuring instruments. Izh. tekhn. no. 8:63-64 Ag '62.

Movement of a rubber-cushioned instrument mechanism during impact tests. V. S. Novoselov. Izv. vyz. ucheb. zav.; prib. 6 no. 2:107-114 '63.

Specified instructions for the inspection of measures and measuring instruments approved by the Office of Measuring Instruments of the Committee. Izh. tekhn. no. 8: 62 Ag '62.

MEASURING INSTRUMENTS--THERMAL PROPERTIES

Temperature errors of devices for measuring large dimensions. I. P. Vaganov. Izh. tekhn. no. 8:20-22 Ag '62.

MEAT

Pavlovskii, P. E., and V. V. Pal'min. [Biochemistry of meat and meat products] Biokhimiia miasa i miasoproduktov. Pod red. A. M. Kuzina. Moskva, Pishchepromizdat, 1963. 324 p.

MEAT--TESTING

Changes occurring in the connective tissue during meat aging. V. Solov'ev, G. Kuznetsova. Mias, ind. SSSR 34 no. 1:50-57 '63.

MEAT, CANNED

Canned "Paté." A. Barmash. Mias, ind. SSSR 33 [i.e. 34] no. 2:53 '63.

MEAT, FROZEN

Conference held at Magdeburg on meat freezing without preliminary cooling. D. Riulov. Mias, ind. SSSR. 34 no. 1:13-15 '63.

Reasons for favoring the single-phase method of freezing meat. P. Pavlovskii. Mias, ind. SSSR 33 [i.e. 34] no. 2:31-33 '63.

The single-phase method is an expedient process to freeze meat; review of reports made at the scientific and technical conference of meat industry representatives. Mias, ind. SSSR 34 no. 1:7-12 '63.

MEAT, SALT

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Pigmentation of salt meat products and its prevention] Pigmentatsiia solennykh miasoproduktov i ee preduprezhdenie. Moskva, 1962. 25 p. [MICROFILM]

MEAT, SALT--TESTING

Histological changes in meat occurring during the various autolysis stages in corning. N. Naletov and others. Mias, ind. SSSR 33 [i.e. 34] no. 2:19-21 '63.

MEAT GRINDERS

Gorbatov, V. M., P. I. Maltutin, and P. S. Gnoevoi. [Fine grinding of meat] Tonkoe izmel'chenie miasa. Moskva, Tsent. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 12 p. (Tekhnicheskaiia informatsiia)

Is the 80 liter capacity meat grinder uneconomical? P. Maltutin. Mias, ind. SSSR 33 [i.e. 34] no. 2:33 '63.

MEAT INDUSTRY

(see also subdivision under Alma-Ata; Kazakhstan; Lvov; Maritime Territory; Moscow; Novyy Oskol'; Petropavlovsk; Ulan bator)

Automated fat processing section. A. Lapshin. Mias, ind. SSSR 34 no. 1:21-28 '63.

Automatic regulation and remote control of temperature in the cooking of sausage products. V. Bufetov, O. Shcherbakova. Mias, ind. SSSR 34 no. 1:28-32 '63.

Experimentation shop of the "Order of Lenin" Meat Combine in Moscow. E. Gol'dman. Mias, ind. SSSR 33 [i.e. 34] no. 2:14-15 '63.

Fifth year of the seven-year plan of the meat industry. Mias, ind. SSSR. 34 no. 1:1-4 '63.

Follow-up of published articles. Golub and others. Mias, ind. SSSR 33 [i.e. 34] no. 2:58 '63.

Follow-up of published articles. Mias, ind. SSSR 34 no. 1:61 '63.

How we reduced the volume of rejected by-products. A. Sandler. Mias, ind. SSSR 34 no. 1:52-53 '63.

Improve the organization of auxiliary operations. A. Babenko. Mias, ind. SSSR 33 [i.e. 34] no. 2:48-50 '63.

Improving the equipment and technology in the meat industry. V. Gorbatov. Mias, ind. SSSR 33 [i.e. 34] no. 2:5-8 '63.

It is advantageous to accept beef cattle from suppliers without deductions from live weight. I. Ovsii. Mias, ind. SSSR 33 [i.e. 34] no. 2:43-44 '63.

More about the optimum production capacities of meat combines. N. Sellakov. Mias, ind. SSSR 33 [i.e. 34] no. 2:47-48 '63.

Nauchno-tekhnicheskaiia konferentsiia po voprosam intensifikatsii proizvodstva kolbasnykh i kulinarnykh izdelii. Moscow, 1961. [Increasing the production capacity in the manufacture of sausage and culinary goods] Intensifikatsiia proizvodstva kolbasnykh i kulinarnykh izdelii; materialy. Moskva, Tsent. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1962. 67 p. [MICROFILM]

Present-day scientific achievements in the meat industry. D. S. Kovalenko. Khar. prom. no. 1:71-74 Ja-Mr '63.

Results of the discussion of F. Shnitser's article "Provide the meat industry with permanent workers." Mias, ind. SSSR 34 no. 1:50-51 '63.

Some comparison data on the operations of the meat industry during 1962. K. Kornev. Mias, ind. SSSR 33 [i.e. 34] no. 2:44-47 '63.

State Institute for the Design and Planning of Meat Industry Plants works on standard projects. P. Boldyrev, V. Markov. Mias, ind. SSSR 33 [i.e. 34] no. 2:11-12 '63.

Third Plenum of the Central Administration of the Scientific and Technical Society of the Food Industry. P. Maltutin. Mias, ind. SSSR 34 no. 1:58-60 '63.

MEAT INDUSTRY--EQUIPMENT AND SUPPLIES

Experience in the operation of the AVT-1 worm apparatus for the manufacture of feeds. K. Shevkunov, G. Kalichava. Mias, ind. SSSR 34 no. 1:53-55 '63.

In foreign countries. Mias, ind. SSSR 33 [i.e. 34] no. 2: 59-60 '63.

Modernization of the "ideal" vacuum injector for stuffing. V. Kamenko. Mias, ind. SSSR 33 [i.e. 34] no. 2: 51-52 '63.

Need for changes in the special requirements for beef cattle supply to industries. N. Zhilkin. Mias, ind. SSSR 33 [i.e. 34] no. 2:43 '63.

Quality of the equipment put on the market for the meat industry. E. Pape. Mias, ind. SSSR 34 no. 1:42 '63.

Special feature exhibition on the mechanization and automation of production processes in the meat industry. A. Aprakina, R. Ivanova. Mias, ind. SSSR 34 no. 1:39-41 '63.

Spiral chute for carcass halves; design and construction. G. Avetkov, G. Bakunts. Mias, ind. SSSR 33 [i.e. 34] no. 2:34-37 '63.

MEAT INDUSTRY--LABOR PRODUCTIVITY see subdivision under Leningrad

MEAT INDUSTRY--PERIODICALS

Publication plan of "Miasnaia industriia SSSR" for 1963. Mias, ind. SSSR 34 no. 1:63 '63.

Readers' comments on the "Miasnaia promyshlennost'" journal. Mias, ind. SSSR 33 [i.e. 34] no. 2:62-63 '63.

MEAT INDUSTRY--QUALITY CONTROL

Raise the sanitary level of production and improve the quality control of meat and meat products; review of reports presented at the scientific conference on veterinary sanitation and inspection in the meat and dairy industry. Mias, ind. SSSR 34 no. 1:16-19 '63.

MEAT INDUSTRY--RESEARCH

Gorbatov, V. M., ed. [All-Union Scientific Research Institute of the Meat Industry] Vsesoiuznyi nauchno-issledovatel'skii institut miasnoi promyshlennosti. Moskva, Glavniiproekt pri Gosplane SSSR, 1959. 83 p. [MICROFILM]

MEAT INDUSTRY—STUDY AND TEACHING

Interfactory school of sausage manufacture. N. Riebschinski. *Mias, ind. SSSR* 33 [i.e. 34] no. 2:57 '63.
Training of engineers and science specialists. A. Lepitkin. *Mias, ind. SSSR* 33 [i.e. 34] no. 2:12-13 '63.

MECHANICAL DRAWING—STANDARDS

Applying standards to mechanical drawing and drawing equipment. M. G. Aronovskii. *Standartizatsia* 27 no. 3:32-36 Mr '63.
Violation of standards for the organization of mechanical drawing. S. B. Avanesian. *Standartizatsia* 27 no. 4:55-56 Ap '63.

MECHANICAL DRAWING—STUDY AND TEACHING

(see also subdivision under Odessa)
Reading mechanical drawings in the course of production training. Z. A. Khazen. *Shkola i proizv.* 7 no. 2:46-49 F '63.
Teaching mechanical drawing in pedagogical institutes. M. V. Pashkov. *Shkola i proizv.* 7 no. 2:51-52 F '63.

MECHANICAL ENGINEERING

Levin, I. A. [Handbook for the designer of precision instruments] *Spravochnik konstruktora tochnykh priborov*. 2. Izd. Moskva, Oborongiz, 1962. 727 p.

MECHANICAL ENGINEERING—BIBLIOGRAPHY

Bibliography—Mechanical engineering

MECHANICAL FANS

see Fans, Mechanical

MECHANICAL MOVEMENTS

Calculating the speeding-up of a system with a hydrodynamic clutch. I. L. Kirillovskii, O. V. Iarenko. *Vest. mashinost.* 43 no. 4:9-14 Ap '63.

MECHANICAL WEAR

Draigor, D. A., and G. I. Val'chuk. [Effect of wear on the fatigue strength of steel considering the scale factor] *Vitaniye iznosa na ustalostnuu prochnost' stali s ucheto mashtabnogo faktora*. Kiev, Izd-vo Akad. nauk USSR, 1962. 110 p.

Mechanism of wear of rubbers [with summary in English]. A. P. Rudakov, E. V. Kuvshinskii. *Vysokom. soed.* 5 no. 3:417-423 Mr '63.

MECHANICAL WEAR—TESTING

Investigating changes in the geometrical form of a part without dismantling. F. N. Avdonkin. *Avt. prom.* 29 no. 5:20-21 My '63.

MECHANICS

Iablonskii, A. A., and V. M. Nikiforova. [Course in theoretical mechanics] *Kurs teoreticheskoi mekhaniki*. Moskva, Vysshiaia shkola. Pt. 1. [Statics. Kinematics] *Statika. Kinematika*. 1962. 430 p.

Khalin, S. E. [Physical bases of mechanics] *Fizicheskie osnovy mekhaniki*. Moskva, Fizmatgiz, 1962. 772 p.

MECHANICS, ANALYTIC

Dobronravov, V. V., ed. [Problems in analytic and applied mechanics] *Voprosy analiticheskoi i prikladnoi mekhaniki; sbornik statei*. Moskva, Oborongiz, 1963. 175 p.

MECHANICS, ANALYTIC—PROBLEMS, EXERCISES, ETC.

"Theoretical mechanics in examples and problems" by M. I. Bat', G. I. U. Dzhaneldze, A. S. Kal'zon. Reviewed by T. V. Putiat, H. M. Savin. *Fizik. mekh.* 9 no. 3:335-337 '63.

MECHANICS, APPLIED

Dobronravov, V. V., ed. [Problems in analytic and applied mechanics] *Voprosy analiticheskoi i prikladnoi mekhaniki; sbornik statei*. Moskva, Oborongiz, 1963. 175 p.

MECHANICS, CELESTIAL

"Criticism of Newton's laws and the plotting of Kepler's ellipse" by T. S. Abzhanidze. Reviewed by M. S. Iarovoi. *Bidul. VAGO* no. 33:53-55 '63.

MECHANISMS

Moskatenko, V. A. [Mechanisms] *Mekhanizmy*. Moskva, Mashgiz, 1963. 238 p.

MECHNIKOV, IL'IA IL'ICH, 1845-1918

I. I. Mechnikov and A. O. Kovalevskii and plant protection. E. V. Zverezomb-Zubovskii. *Zashch. rast. ot vred. i bol.* 6 no. 11:59-61 N '61.

MEDIASTINUM—DISEASES

Primary rheumatic tonsillocardiac complex (tonsillitis, mediastinitis, carditis) and the general pathological process in rheumatic fever [with summary in English]. V. K. Belitskii. *Vop. revm.* 1 no. 2:18-25 Ap-Je '61.

MEDIASTINUM—TUMORS

Stable tachycardia as an early symptom in tumors of the mediastinum. N. I. A. Chervyakovskii, A. A. Krylov. *Vrach. delo* no. 3:126 Mr '63.

MEDICAL ASSISTANCE, RUSSIAN

see subdivision under Afghanistan

MEDICAL CARE

Concerning the change in the standards of ambulant polyclinical treatment and the number of the population of a territorial medical center. N. I. Bukovskii. *Zdrav. Ros. Feder.* 7 no. 2:15-18 F '63.
Dispensary treatment for the population. I. B. Rostotskii. *Zdrav. Ros. Feder.* 7 no. 2:21-23 F '63.
In the Board of the Public Health Ministry of the R. S. F. S. R. on the state and measures for further improvement of outpatient-polyclinical care for city population. R. V. Demidova. *Zdrav. Ros. Feder.* 7 no. 4:46-47 Ap '63.
The quality of medical care must be improved. V. G. Grigor'eva. *Med. sestra* 21 no. 10:55-56 O '62.

MEDICAL CHARITIES

see Charities, Medical

MEDICAL CLIMATOLOGY

see Climatology, Medical

MEDICAL COOPERATION

N. N. Burdenko and the development of friendly relations between the medical communities of the Soviet Union, America and England. A. G. Milashkin. *Sov. zdrav.* 22 no. 4:50-64 '63.

MEDICAL DELUSIONS

Facts reveal. *Nauka i rel.* 4 no. 2:28 F '63.

MEDICAL EMERGENCIES

Tashkent. Gosudarstvennyi meditsinskii institut. *Kafedra gosital'noi terapii pediatricheskogo i professional'nykh boleznei sanitar'no-gigienicheskogo fakul'teta na baze klinicheskoi bol'nitsy neotlozhnoi pomoshchi*. [Emergency diagnosis and therapy] *Voprosy neotlozhnoi diagnostiki i terapii*. Pod red. O. N. Pavlovoi. Tashkent, Medgiz, UzSSR, 1962. 190 p. (DNLM)

MEDICAL GEOGRAPHY—ABSTRACTS

[Medical geography] *Ref. zhur.: Med. geog.* no. 5 My '63.

MEDICAL JOURNALISM

see Journalism, Medical

MEDICAL LABORATORIES

see subdivision under Day

MEDICAL LABORATORIES—EQUIPMENT AND SUPPLIES

Container for storing and transporting electron-microscopic preparations. S. B. Stefanov. *Lab. delo* 9 no. 3 60 Mr '63.

Method and apparatus for the extraction of brain tissue from animals. E. K. Dokhtin, A. A. Stetkevich. *Vop. virus.* 7 no. 6:735-736 N-D '62.

MEDICAL LIBRARIES

see subdivision under Ukraine

MEDICAL MICROBIOLOGY

Ashmarin, I. P., and A. A. Vorob'ov. [Statistical methods in microbiological research] *Statisticheskie metody v mikrobiologicheskikh issledovaniakh*. Leningrad, Medgiz, 1962. 170 p.

MEDICAL MUSEUMS

see subdivision under Riga

MEDICAL PERSONNEL

Distribution and utilization of medical personnel and hospital beds in rural areas. M. S. Bednyi. *Zdrav. Ros. Feder.* 7 no. 4:13-17 Ap '63.

Legal consultation. A. V. Roit. *Vrach. delo* no. 3:157-158 Mr '63.

MEDICAL RESEARCH

Method for historical medical research. E. D. Petriaev. *Sov. zdrav.* 22 no. 4:44-47 '63.
Science and the development of agriculture and medicine. *Vest. AN SSSR* 33 no. 4:62-77 Ap '63.
Scientific relations between the Institute of Experimental Medicine of the Academy of Medical Sciences of the U. S. S. R. and the S. M. Kirov Order of Lenin Military Medical Academy. V. V. Timofeev. *Sov. zdrav.* 22 no. 4:37-40 '63.

MEDICAL SOCIAL WORK

see subdivision under Leningrad

MEDICAL SOCIETIES

see subdivision under Armavir

MEDICAL STATISTICS

Significance of the statistical analysis of the results of scientific stomatologic studies. A. A. Prokhorchukov. *Stomatologiya* 41 no. 6:32-36 S-O '62.

MEDICAL TESTS

Clinical importance of determining the reostopulmonary time. A. V. Lesnichii. *Vrach. delo* no. 3:131-132 Mr '63.
Evaluation of the functional condition of the respiratory organs. A. I. Arakcheev. *Sov. med.* 26 no. 1:133-139 Ju '63.
V. A. Valdman's cup test in determining the activity of the rheumatic process. L. N. TSar'kova. *IU. Z. Ostrun. Trudy MONKI* no. 5:28-34 '62.

MEDICATED BATHS

see Baths, Medicated

MEDICINE

(see also subdivision under Kharkov; Lakhia)

"Course in the history of medicine" [in Spanish] by Sanchez. Vol. 1. Reviewed by P. E. Zabolotnyi. *Sov. zdrav.* 22 no. 4:85-86 '63.

"History of medicine; selected lectures" by F. R. S. Lina. Reviewed by N. S. Danika. *Vest. AN SSSR* 22 no. 12:82-84 '62.

Immediate tasks dealing with the history of medicine and public health. B. D. Petrov. *Sov. zdrav.* 22 no. 4:11-12 '63.

Mysteries and discoveries. *Nauka i rel.* 4 no. 2:28 F '63.

Parin, V. V., and R. M. Baevskii. [Cybernetics in medicine and physiology] *Kibernetika v meditsine i fiziologii*. Moskva, Medgiz, 1963. 117 p.

Preparation of collections of papers for the 50th anniversary of Soviet medicine. I. D. Strashun. *Sov. zdrav.* 22 no. 4:8-12 '63.

"Significant and anniversary dates in the history of medicine for 1933." Reviewed by M. P. Mal'tsev. *Sov. zdrav.* 22 no. 4:94-95 '63.

Significant and anniversary dates in the history of medicine in 1963. *Sov. zdrav.* 22 no. 4:82-84 '63.

MEDICINE—ABSTRACTS

Brief reports. *Kaz. med. zhur.* no. 5:63-74 S-O '63.
[Medical abstracts] *Med. ref. zhur.* sect. 1 vol. 7 no. 4 F. Ap '63. Sect. 2 vol. 7 no. 3 Mr '63. Sect. 3 vol. 7 no. 5 My '63. Sect. 4 vol. 7 no. 4 Ap '63. Sect. 5 vol. 7 no. 1, 3-4 Ja, Mr-Ap '63. Sect. 6 vol. 7 no. 5 My '63. Sect. 7 vol. 7 nos. 4-5 Ap-My '63. Sect. 8 vol. 7 no. 5 My '63. Sect. 9 vol. 7 no. 5 My '63. Sect. 10 vol. 7 no. 5 My '63.

MEDICINE—ANECDOTES, FACETIAE, SATIRE, ETC.

"Greek and Latin epigrams on medicine and health" [translated from the ancient Greek and Latin]. Reviewed by S. A. Reshetnikov. *Kaz. med. zhur.* no. 5 51-59 S-O '62.

MEDICINE—BIBLIOGRAPHY

see Bibliography—Medicine

MEDICINE—CASES, CLINICAL REPORTS, STATISTICS

How the life of Academician I. D. Landau was saved. N. I. Granichenkov, N. N. Anichkov. *Priroda* 32 no. 2 106-108 '63.

MEDICINE—CONGRESSES

"All-Union scientific congresses of physicians and their importance in the practice of Soviet public health service" by M. I. Harutskova. Reviewed by N. P. Fedotina. *Sov. zdrav.* 22 no. 4:89-91 '63.

Congress of Physiological Sciences at Leiden. P. G. Kostluk. *Vest. AN SSSR* 33 no. 4:82-84 Ap '63.

Fifteenth All-Union Congress of Therapists (from May 31 through June 5, 1962, in Moscow). V. A. Nasonova. *Sov. med.* 26 no. 1:145-153 Ja '63.

Fifteenth All-Union Congress of Therapists. M. L. Gorlantshtein. *Med. sestra* 21 no. 11:8-12 N '62.

MEDICINE—DICTIONARIES

Russian-Azerbaijani medical terminology; the latter in Russian. *Azerb. med. zhur.* no. 2:77-82 F '62.

MEDICINE—HANDBOOKS, MANUALS, ETC.

[A physician's calendar for 1963] *Kalendar' vracha na 1963 god*. Pol. obshchest. red. I. G. Kochergin. Moskva, Medgiz, 1963. 447 p.

MEDICINE—PHILOSOPHY

Brief news. F. Z. Koval'chuk. *Vop. filos.* 17 no. 4:54-55 '63.

MEDICINE—SPECIALTIES AND SPECIALISTS

Specialization of physicians on local bases. S. N. Polikarpov, B. M. Khromov, I. A. Dobrovolskii. *Zdrav. Ros. Feder.* 7 no. 4:26-31 Ap '63.

MEDICINE—STUDY AND TEACHING

Organization of a club is one form of extracurricular work in a medical school. E. N. Fadeeva. *Med. sestra* 21 no. 10:57-58 O '62.

MEDICINE, INDUSTRIAL

see subdivision under Gorky

MEDICINE, POPULAR

see subdivision under China

MEDICINE, RURAL

see subdivision under Altai Territory

MEDICINE AND ART

Works of Soviet graphic art as materials for the study of medical history. A. A. Belova, T. A. Popkova. *Sov. zdrav.* 22 no. 4:47-50 '63.

MEDICINE IN SPORTS

see Sports medicine

MEDITERRANEAN SEA REGION—CLASSICAL ANTIQUITIES

Archaeological discoveries in the Mediterranean Sea region in 1960-1961. M. A. Sidorova. *Sov. arkeol.* 7 no. 2:271-280 '63.

MEDUSAE
New scientific discoveries and technological innovations. Belarus' 20 no. 3:31 Mr '63.

MEDUSAE, FOSSIL see subdivision under Crimean Mountains

MEITUS, IULI SERGEEVICH, 1903-
Iulii Meitus. Arkadii Filippenko. Sov. muz. 27 no. 1: 138-139 Ja '63.

MELADININ
Antitoxic function of the liver in vitiligo patients treated with psoralen and meladinin. M. A. Gullamova. Med. zhur. Uzb. no. 8:36-39 Ag '62.

MELIKIAN, ROMANOS, 1882-1935
"Romanos Melikian: his life and work" [in Armenian] by G. Geodakian. Reviewed by I. Eolian. Sov. muz. 27 no. 4:140-141 Ap '63.

MELTING
Problem of the movement of an impurity during zone melting of a finite ingot solved by means of an electronic computer. A. N. Kirgintsev, V. D. Kudrin, K. N. Kudrina. Fiz. tver. tela 5 no. 3:936-941 Mr '63.

MELTING POINTS
Melting diagram of the ternary system consisting of lithium, sodium, and potassium bromides. A. S. Arabadzhan, A. G. Bergman, Zhur. neorg. khim. 8 no. 3:720-722 Mr '63.

MEMBRANES (BIOLOGY)
Membranes of *Micrococcus lysodeikticus* and their relation to oxidation phosphorylation. D. N. Ostrovskii, N. S. Gel'man. Dokl. AN SSSR 148 no. 4:945-946 F '63.

MEMORIALS see subdivision under Leningrad

MEMORY
Practical lessons in the psychology of memory. P. I. Zinchenko. Vop. psikh. 9 no. 1:122-136 Ja-F '63.

MENIERE'S DISEASE
What is Meniere's disease and does it exist as an independent nosologic unit? I. N. Aleksandrov, K. I. Timofeeva. Shor. nauch.-prakt. rab. Poliklin. im. P. E. Dzerzh. no. 2:145-151 '61.

MENINGES—TUBERCULOSIS
Clinical significance of dysproteinemic changes in tuberculous meningitis in children. G. P. Petrova. Kaz. med. zhur. no. 5:42-44 S-O '62.
Relapse of tuberculous meningitis in children treated with streptomycin [in Armenian with summary in Russian]. T. Kh. Akhundova. Azerb. med. zhur. no. 2: 21-27 F '62.

MENINGITIS
(see also subdivision under Leningrad)
Clinical aspects of serous meningitis in epidemic parotitis. V. I. Pokrovskii, L. T. Liblman. Kaz. med. zhur. no. 5:45-47 S-O '62.
Clinical epidemiological observations on an outbreak of Borcholm disease (epidemic pleurodynia) in children. G. G. Stuka, Z. M. Zomilakova, L. R. Malofenko. Pediatra 41 [i.e. 42] no. 2:40-52 F '63.
Course of exacerbations and recurrences of tubercular meningitis treated by different methods. N. A. Kulik. Vrach. delo no. 3:22-25 Mr '63.
Outbreak of aseptic meningitis caused by the ECHO-13 virus. E. G. Popkova, I. V. Tomashpol'skii. Sov. med. 26 no. 1:76-79 Ja '63.
Successful application of cisternal puncture in cystic arachnitis of the posterior cranial fossa. L. A. Lifshits. Kaz. med. zhur. no. 5:58-59 S-O '62.

MEN'S CLOTHING
Advice for men. Rab. i stal. 30 no. 4:23 Ap '63.

MENSURATION
Definition of the concept of mensuration. G. I. Kavalierov, I. A. Kavarkin, S. S. Sokolov. Izv. tekhn. no. 8:1-3 Ag '62.
Definition of the concept of mensuration. N. A. Shost'kin. Izv. tekhn. no. 8:3-4 Ag '62.
Measurement and control. V. I. Kneller. Izv. tekhn. no. 3:1-4 Mr '63.

MENSURATION—ABSTRACTS
[Mensuration and measurement techniques] Ref. zhur.: Metr. i izm. tekhn. no. 5 My '63.

MENTAL DEFICIENCY
Erroneous diagnosis of oligophrenia in a case of schizoprenia complicated by reactive stratifications. N. P. Mogilina. Pr. k. sudebnopsikh. eksp. no. 5:83-87 '61.

MENTAL DEPRESSION see Depression, Mental

MENUHIN, YEHUDI, 1918-
The Menuhins perform. Galina Barinova. Sov. muz. 27 no. 2:97-98 F '63.

MERCAPTO GROUP
Determination of thiol groups; conditions ensuring their quantitative oxidation to the disulfide stage [with summary in English]. O. K. Khomenko, S. M. Tsynkalova'ka. Ukr. biokhim. zhur. 34 no. 8:888-896 '62.

Role of sulfhydryl groups in maintaining the catalytically active structure of aspartic-glutamic transaminase. I. U. M. Torchinskii, A. E. Braunshtein. Dokl. AN SSSR 148 no. 4:952-955 F '63.

MERCHANT MARINE
(see also subdivision under Pacific Ocean)
Brief news. Mor. flot 23 no. 1:44 Ja '63.
Follow-up of previously published articles. Mor. flot 23 no. 1:45 Ja '63.
In the new year - toward new labor achievements. Mor. flot. 23 no. 1:4 Ja '63.
Pokidko, N. M. [The economics and the organization of the merchant marine] Ekonomika i organizatsiia morskikh perevozok. Moskva, Izd-vo morskoi transport, 1961, 380 p.
(CU)
We shall put into practice the resolution of the November plenum of the Central Committee of the CPSU. I. U. Savinov. Mor. flot 23 no. 1:1-4 Ja '63.

MERCHANT MARINE—COST OF OPERATION
Experience in the operation of the motorship "Grigorii Ordzhonikidze." M. S. Babievskii, V. V. Bocharov. Bliz. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:7-12 '62.
Ways of improving the technical and economic indices of cargo ships. I. V. Vinogradov. Sudostroenie 29 no. 3:16-18 Mr '63.

MERCHANT MARINE—PASSENGER TRAFFIC
Most advantageous spacing of passenger ships on suburban lines. A. Matsvelko. Rech. transp. 22 no. 3:18-19 Mr '63.

MERCHANT MARINE—STATISTICS
Tuchina, V. S., and L. G. Chupshcheva. [Merchant marine and freight indices] Torgovoe sudokhodstvo i frakhtovye indeksy. Moskva, Izd-vo "Morskoi transport," 1962, 221 p. (Ekonomika i ekspluatatsiia morskogo transporta)

MERCHANT MARINE—TECHNOLOGICAL INNOVATIONS
Results of the public competition-review of technical information. Bliz. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:10-15 '62.

MERCHANT SEAMEN
In favor of a seven-hour work schedule. P. Kutilanin. Mor. flot 23 no. 1:19 Ja '63.
In the interests of a common cause. A. Berdnikov. Mor. flot 23 no. 1:18 Ja '63.
Seven or eight-hour work schedule. B. Oslashevskii. Mor. flot 23 no. 1:16-17 Ja '63.

MERCHANT SHIPS—EQUIPMENT AND SUPPLIES
New equipment for the merchant marine. Bliz. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:3-9 '62.

MERCHANT SHIPS—PASSENGER ACCOMODATION
Experience in the operation of the motorship "Grigorii Ordzhonikidze." M. S. Babievskii, V. V. Bocharov. Bliz. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:7-12 '62.

MERCURY—ANALYSIS
Atomic-absorption determination of mercury by flame photometry [with summary in English]. N. S. Poluektov, R. A. Vitkun. Zhur. anal. khim. 18 no. 1:37-42 Ja '63.

MERCURY—SAFETY MEASURES
Methodological instructions on work with mercury in the physical and chemical laboratories of eight-year and secondary schools. Fiz. v shkole 23 no. 1:107-109 Ja-F '63.

MERCURY—TOXICOLOGY
Exhaust installation for working with mercuric amalgams. I. L. Gershtikov. Stomatologiya 41 no. 5:92-93 S-O '62.

MERCURY-ARC RECTIFIERS
Distribution of a discharge current along the grid of a mercury rectifier. B. N. Kharosel'd, M. I. Kominykh. Elektrichestvo no. 3:83-85 Mr '63.
Improvement of the network of an automatic system for regulating the voltage of RMNV 500/6 mercury-arc rectifiers. O. R. Asatiani. Prom. energ. 17 no. 8: 4-8 Ag '62.

MERCURY HALIDES
Determination of halide ions in bivalent mercury compounds [with summary in English]. N. S. Shub. Zhur. anal. khim. 18 no. 1:141-142 Ja '63.

MERCURY ORGANIC COMPOUNDS
Computation of the rotation of optically active organo-mercury compounds and the stereochemistry of the addition of mercury salts to olefins. V. I. Sokolov, O. A. Rautov. Dokl. AN SSSR 148 no. 4:867-870 F '63.

MERCURY SALTS
Computation of the rotation of optically active organo-mercury compounds and the stereochemistry of the addition of mercury salts to olefins. V. I. Sokolov, O. A. Rautov. Dokl. AN SSSR 148 no. 4:867-870 F '63.
Reaction of fluorooxetene with mercury salts. K. M. Smirnov, V. A. Ginsburg, A. A. Akubovich. Zhur. VKHO 8 no. 2:231-232 '63.

MERCURY TELLURIDE—ELECTRIC PROPERTIES
Electric properties of hole-type semiconductors in the system HgTe - CdTe. A. D. Shneider, I. V. Gavrilshchak. Fiz. tver. tela 5 no. 4:1208-1212 Ap '63.

MERKE DISTRICT—SHEEP
An enthusiast of the second virgin land area, N. Leonidov. Part. zhizn' Kazakh. 33 no. 3:65-68 Mr '63.

MESENTERY—INNERVATION
Characteristics of primary cortical reactions to the electrical excitation of mesenteric nerves. S. S. Musia-shchikova. Dokl. AN SSSR 148 no. 4:979-981 F '63.

MESHCHERA—WATER BIRDS
Some water birds of southern Meshchera and the middle course of the Oka River. E. S. Plushenko. Ornitologiya no. 4:269-275 '62.

MESHKOV, VASILII VASIL'EVICH, 1893-
Russia, my country. V. Meshkov. Ogonek 41 no. 14: 25 Mr '63.

MESONS—CAPTURE
Absorption of stopped negative π -mesons in carbon [with summary in English]. V. S. Damidov and others. Zhur. eksp. i teor. fiz. 44 no. 4:1144-1146 Ap '63.
Panofsky ratio for He³ and the RMS radius for the H³ - H³ transition [with summary in English]. O. A. Zaimidoroga and others. Zhur. eksp. i teor. fiz. 44 no. 4:1180-1183 Ap '63.

MESONS—DECAY
Conservation of vector current in weak interactions and the mass difference in isotopic multiplets. The $\pi^+ \rightarrow e^+ \nu_e$ decay [with summary in English]. M. V. Terent'ev. Zhur. eksp. i teor. fiz. 44 no. 4:1320-1328 Ap '63.

METABOLISM
Function of the stomach and intermediary metabolism in children. S. I. Ignatov. Pediatra 41 [i.e. 42] no. 2: 41-45 F '63.
Specific effect of arsenate on some metabolic reactions. M. A. Guberniev, L. I. Torbochikina. Vest. AMN SSSR 17 no. 12:71-81 '62.

METAL CLADDING
Metal cladding with plastics. I. A. Al'shits. Plast. massy no. 4:75-77 '63.

METAL CLOTH
Modern altobasseo. A. Stroganov. Izobr. i rats. no. 3: 19-20 '63.

METAL CLOTH—MAGNETIC PROPERTIES
Measuring the specific susceptibility of metalized fabrics. I. P. Fedotov, B. A. Lavorski, V. V. Petrov. Tekst. prom. 23 no. 3:81-82 Mr '63.

METAL CRYSTALS
Heterogeneity of deformations taking place in polycrystals. V. T. Troshchenko. Fiz. met. i metalloved. 15 no. 3:410-418 Mr '63.

METAL CRYSTALS—GROWTH
Obtaining very strong "whisker" crystals and their properties. I. A. Odina, L. K. Gordienko, I. M. Kop'ev. Trudy Inst. met. no. 13:87-107 '63.

METAL CRYSTALS—OPTICAL PROPERTIES
Light echo on paramagnetic crystals. U. Kh. Kopvillem, V. R. Nagibarov. Fiz. met. i metalloved. 15 no. 2:313-315 F '63.
Measuring secondary extinction in polycrystals. A. V. Kuznetsov. Fiz. met. i metalloved. 15 no. 2:304-305 F '63.

METAL CUTTING
Alekhin, S. V., I. V. Abramchenko, and N. G. Pisarev. [Metal cutting, machine tools and cutting tools] Reza-nie metallov, stanki i instrumenty; uchebnoe posobie. Leningrad, Leningr. in-t inzhenerov zhel-dor. transporta, 1962, 128 p.
[MICROFILM]
Metal cutting on the PB-002 press. I. U. Demin. Tekh. v sel'khoz. 23 no. 1:87 Ja '63.
Mirkin, M. S. [Technological processes in machining parts with deep and narrow grooves] Tekhnologiya obrabotki detalей s glubokimi i uzkiimi pazami. Moskva, Mashgiz, 1963, 128 p.
Per, A. G. [Diamond and fine machining in the manufacture of instruments] Almaznaia i tonkaia obrabotka v priborostroenii. Moskva, Oborongiz, 1963, 186 p.

METAL CUTTING—PRODUCTION STANDARDS
Establishing work norms for those who work at several machine tools. G. Kagan, B. Bessonov. Sois. trud. 8 no. 4:29-31 Ap '63.

METAL CUTTING—QUALITY CONTROL
Special aspects of technical inspection [with summary in English]. R. T. Sverchkova. Vop. psikh. 9 no. 2:30-44 Mr-Apr '63.

- METAL CUTTING—STUDY AND TEACHING**
Borisov, B. Ia. [Laboratory manual in metal cutting] Laboratornyi praktikum po rezaniju metallov. Moskva, Mashgiz, 1963. 79 p.
- METAL CUTTING, ELECTRIC** see Electric metal cutting
- METAL-CUTTING TOOLS**
(see also subdivision under Moscow; Tomsk)
Alakhin, S. V., I. V. Abramchenko, and N. G. Pisarev. [Metal cutting, machine tools and cutting tools] Rezanie metallov, stanki i instrumenty; uchebnoe posobie. Leningrad, Leningr. in-t inzhenerov zhel-dor. transporta, 1962. 128 p.
- [MICROFILM]
Brodskii, A. M. [Small hard-alloy cutting tools] Malogabaritnyi tverdosplavnyi rezhushchii instrument. [Kulbyshv] Kulbyshvskoe knizhnoe izd-vo, 1962. 48 p.
- [MICROFILM]
High-production and high-strength slitting cutters. A. P. Dragun. Mashinostroitel' no. 3:24 Mr '63.
Moscow. Vystavka dostizhenii narodnogo khozlstva SSSR. [Advanced tools designed by innovators of industry] Progressivnyi instrument novatorov proizvodstva. Moskva.
No. 1. [Cutting tools, mandrels, chucks] Reztzy, opravki, patrony, 1962. 26 p.
No. 2. [Drills, reamers, cutters, heads, broaches and chucks] Sverla, razvertki, frezy, golovki, protazhki i patrony. 1962. 39 p.
- [MICROFILM]
New-design of a cutter. G. M. Shevtsov, V. A. Savenko. Mashinostroitel' no. 3:28 Mr '63.
Put reconditioned metal-cutting tools to use. N. Delyi, A. Galkov. Nar. khoz. Uzb. 6 no. 2:39-42 F '63.
Vorob'ev, V. M. [Profiling cutters for parts with helical grooves] Profilirovanie rez dlia izdelii s vintovymi kanavkami; uchebno-metodicheskaja instrukcija po projektirovaniju frez. Pod red. I. I. Semenchko. Moskva, Mosk. stankoinstrumental'nyi in-t, 1962. 41 p.
- [MICROFILM]
- METAL-CUTTING TOOLS—TECHNOLOGICAL INNOVATIONS**
Treasure hunter. N. Vmuk. Sov. profsojuzy 10 no. 7: 8-9 Ap '63.
- METAL DETECTORS**
(see also subdivision under Sweden)
Magnetic detector for preventing the penetration of metal shavings into the dried milk. O. L. Protsenko. Khar. prom. no. 1:48 Ja-Mr '63.
- METAL INDUSTRIES—MANAGEMENT**
Gukov, N. V. [Lecture in the course on the "Organization and planning of metalworking enterprises"] Lekcija po kursu "Organizatsija i planirovanie metalloobrabatывaushchikh predpriatij. Moskva, Mosk. tekhnolog. in-t mestnoi promyshlennosti, 1962. 19 p.
- [MICROFILM]
- METAL POWDER PRODUCTS**
Fedorchenko, I. M. [Ceramic metal products in the national economy] Metalokeramicheskie vyroby u narodnomu hospodarstvu. Kyiv, 1962. 39 p. (Tovarystvo dlia poshyrennia pollychnykh i naukovykh znan' Ukrain's'koj RSR, Serija 7, no. 7)
- METAL POWDERS**
Easily pulverized complex alloys as hard facing materials. I. G. Noskov. Avtom. svar. 16 no. 4:71-72 Ap '63.
- METAL SPRAYING—EQUIPMENT AND SUPPLIES**
MGP-3 unit for the application of refractory coatings. M. E. Morozov, K. D. Klyueva. Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 3:24-26 '63.
- METALLIC FILMS**
Effect of coatings on the radiation intensity of a plane-parallel layer under conditions of generation. B. I. Sisilepanau, IU, I. Chakalinskaja. Vestn AN BSSR, Ser. fiz.-tekhn. nav. no. 1:46-51 '63.
Remagnetization loop of a film under plane, alternating stress. A. G. Lennik. Fiz. met. i metalloved. 15 no. 2:175-180 F '63.
- METALLIC FILMS—THERMAL PROPERTIES**
Measurement of heat effects during the condensation of thin films. IU, F. Komnik. Fiz. tver. tela 5 no. 4:990-997 Ap '63.
- METALLIC OXIDES**
Conference on high-temperature chemistry of silicates and oxide systems. M. A. Matveev, V. P. Barzakovskii. Zhur. VKHO 8 no. 2:224-226 '63.
Determination of the adsorption coefficient during a study of diffusion in metallic oxides. V. I. Izvekov, N. S. Gorbunov. Izv. AN SSSR, Otd. khim. nauk no. 3:450-464 Mr '63.
- Hot pressing of ceramics of pure oxides. D. N. Poluboininov, E. I. Sha'nov. Zhur. VKHO 8 no. 2:149-154 '63.
On some regularities of the melt structure in MeO - SiO₂ systems. B. I. Markhasov, I. D. Sedletskii. Dokl. AN SSSR 148 no. 4:916-918 F '63.
Possibility of replacing platinum by some metallic oxide catalysts. N. G. Bekauri, L. F. Topuridze. Trudy Inst. khim. AN Gruz. SSR 16:51-56 '62.
Rapid method of determining the total quantity of alkali metal oxides in glass. A. I. Bukreev. Stek. i ker. 20 no. 3:32-35 Mr '63.
- METALLOGRAPHY**
Calculating coefficients of self-diffusion in simple liquid metals according to the rate of fluctuation of the first coordination number. L. A. Koledov. Fiz. met. i metalloved. 15 no. 2:260-263 F '63.
Effect of pressure on the interdiffusion of metals in connection with the effect of the occurrence of diffusion porosity. I. A. E. Geguzin, A. S. Dziuba. Fiz. met. i metalloved. 15 no. 2:290-292 F '63.
Possibility of X-ray examination of liquid high-melting metals. S. F. Khokhlov, E. Z. Spektor. Fiz. met. i metalloved. 15 no. 2:311-313 F '63.
Revealing the macro- and microstructure of weld joints between steel and aluminum. A. V. Nikitina, V. R. Rina-bov, D. M. Rabkin. Avtom. svar. 18 no. 4:93-95 Ap '63.
- METALLURGICAL FURNACES—MAINTENANCE AND REPAIR**
Regular pattern in the formation of a slag crust in metallurgical furnaces. I. M. Rafalovich. TSvet. met. 35 no. 4:44-50 Ap '63.
- METALLURGICAL LABORATORIES—EQUIPMENT AND SUPPLIES**
Laboratory equipment for the electron-beam melting of metals. B. A. Movchan, A. I. Tkhonovskii. Avtom. svar. 16 no. 4:1-6 Ap '63.
- METALLURGICAL PLANTS**
(see also subdivision under Nizhny Tagil)
Joint burning of blast-furnace gas, natural gas, and coke gas. M. I. Lefman. Prom. energ. 18 no. 1:21-24 Ja '63.
- METALLURGICAL PLANTS—ELECTRIC EQUIPMENT**
Bannov, S. E. [Repair of the electric equipment of metallurgical plants] Remont elektrooborudovaniia metallurgicheskikh zavodov. Izd. 2. perer. i dop. Moskva, Metallurgizdat, 1963. 527 p.
- Taita, A. A., and others. [Electric power engineering] Elektroenergetika. [By] G. A. Dykov i dr. Pod red. A. M. Ivanova i A. A. Taitan. Moskva, Metallurgizdat, 1962. 190 p. (Tekhnicheskii progress v chernoi metallurgii SSSR)
- METALLURGICAL PLANTS—SAFETY MEASURES**
Urgent objectives for the prevention of accidents in metallurgical plants. P. M. Mironov. Bezop. truda v prom. 6 no. 8:18-19 Ag '63.
- METALLURGICAL RESEARCH** see subdivision under Chelyabinsk
- METALLURGY**
Effect of martensite already formed on the kinetics of further martensitic transformation. E. I. Estrin. Dokl. AN SSSR 148 no. 4:818-820 F '63.
Metallurgy and mining in the Soviet Ukraine in the fifth year of the seven-year plan. Met. i gornorud. prom. no. 1:3-5 Ja-F '63.
Shefel', N. I. [Directions in technical progress in metallurgy] Puti tekhnicheskogo progressa v metallurgii. Moskva, Izd-vo "Sovetskaja Rossija," 1963. 60 p. (Reshenia XXII s'ezda KPSS - v zhizn')
Television control of the casting of large ingots in vacuum [with summary in English on p. 96]. V. A. Rabinovich, L. I. Zaloka. Tekhn. kino i telev. 7 no. 4:50-53 Ap '63.
- METALLURGY—ABSTRACTS**
[Metallurgy] Ref. zhur.: Met. no. 5 My '63. Avtorskii ukazatel' za 1962 g.
- METALLURGY—CONGRESSES**
Joint session of the Department of Technical Sciences of the Academies of Science of the U. S. S. R. and the Ukrainian S. S. R. G. A. Moskovskii, V. N. Pokhodzilo. Met. i gornorud. prom. no. 1:78-80 Ja-F '63.
- METALLURGY—STUDY AND TEACHING**
Studying the fundamentals of metallurgy in the secondary school chemistry course. A. A. Osipov. Izv. APN no. 122:215-263 '62.
- METALLURGY, VACUUM** see Vacuum metallurgy
- METALS**
Determination of the points of zero charge by the method of crossed polarized metallic threads. T. N. Voropieva, B. V. Derjagin, B. N. Kabanov. Izv. AN SSSR, Otd. khim. nauk no. 2:257-263 F '63.
"Metals and metal products." Blul. stroit. tekhn. 20 no. 3:11-12 Mr '63.
- METALS—ANALYSIS**
Certain problems in the theory of analytical reactions with organic reagents. Report No. 4 on the reaction of octamethyltetraminocaprylate with organic acids [with summary in English]. A. I. Cherkasov. Anal. khim. 10 no. 1:24-26 Ja '63.
Masking effect of some polyatomic elements on the photic series on metal precipitation reactions. P. I. Pintshtil, A. Kh. Klibua. Ukr. khim. zhurn. 1963. 245-261 '63.
- METALS—BRITTLENESS**
Interaction of the solder with the material of the soldered joints. N. F. Lashko, S. V. Lashko. Avtom. svar. 16 no. 4:34-40 Ap '63.
- METALS—ELECTRIC PROPERTIES**
Temperature dependence of the electrical conductivity of metals in a magnetic field. E. G. Lashko. Fiz. met. i metalloved. 15 no. 2:165-167 F '63.
- METALS—FATIGUE**
Conference on Fatigue Strength. P. P. Matveev. Avtom. svar. 16 no. 2:89-90 F '63.
Mechanism of the fatigue failure of metals. I. A. V. S. Ivanova. Trudy Inst. met. no. 13:3-10 '63.
Ultrasonic methods for investigating the fatigue of materials. E. N. Kapustanokh. Trudy Inst. met. no. 13:31-310 '63.
- METALS—FINISHING**
Finishing and hardening metal surfaces by electrolytic burnishing. IU, G. Shneider. Vent. mashinost. 11 no. 4:50-52 Ap '63.
- METALS—HARDENING**
Mystery of compressed atoms. Izv. Akad. nauk SSSR, 39 no. 17:18-20 S '62.
- METALS—TESTING**
Changes in the physical properties of metals under the effect of cyclic stress. V. S. Ivanova. Izv. Akad. nauk SSSR, Trudy Inst. met. no. 13:39-63 '63.
Connection between hardness and mechanical properties of metals and alloys. D. A. Prokoshkin. K. V. Trudy Inst. met. no. 13:131-142 '63.
- METALS—THERMAL PROPERTIES**
Possibility of X-ray examination of liquid metals. S. F. Khokhlov, E. Z. Spektor. Fiz. met. i metalloved. 15 no. 2:311-313 F '63.
- METALS, EFFECT OF TEMPERATURE ON**
Investigating the effect of heat treatment on the strain at high temperatures on the mechanical properties of chromium-base alloys. Trudy Inst. met. no. 13:127-130 '63.
Investigating the temperature dependence of the stability of strontium and lead ferrites at elevated points. A. S. Borobik, IU, A. Mamula. Fiz. met. i metalloved. 15 no. 2:300-302 F '63.
Temperature dependence of the electrical conductivity of metals in a magnetic field. E. G. Lashko. Fiz. met. i metalloved. 15 no. 2:166-167 F '63.
Temperature dependence of the absorption of Cu - Al solid solutions. V. E. Pania. Avtom. svar. 16 no. 2:284-286 F '63.
Thermal expansion of copper, silver, and gold in the range of temperatures. I. E. Lashko. Fiz. tver. tela 5 no. 4:1004-1009 Ap '63.
- METALS, RARE AND MINOR**
(see also subdivision under Chingiz-Tai)
Bakumenko, T. T. [Catalytic properties of rare earth elements] Kataliticheskie svoystva rezhnykh i redkozemolnykh elementov. Kiev, Izd. Akad. nauk USSR, 1963. 90 p.
- Genesis of rare metal mineralization in the USSR. M. M. Menailova. Zap. Vses. nauch. obsch. 21 no. 1:113 '63.
Iron-aluminum alloys with additions of rare earth elements. E. M. Savitskii and others. Trudy Inst. met. no. 13:163-170 '63.
New genetic type of rare metal mineralization in the Cambrian migmatites of the European part of the U. S. S. R. S. V. Nochnov, IU, V. Kononov. Ser. geol. 6 no. 4:123-126 Ap '63.
Potomkin, K. V., and A. N. Spitsyn. [Rare elements in the placer deposits of foreign countries] Rezhnykh i redkozemolnykh elementov v rossiyskikh zarubezhnykh stran. Moskva, vo Akad. nauk SSSR, 1963. 90 p.
Role of rare elements in the solution of a series of geological problems. O. D. Stavrov. Min. zap. 60 '62.
Smolin, P. P. [Metals of the 20th century] Met. 20 vekov. Moskva, Izd-vo "Znanie," 1963. 44 p. (Novoe v zhizni, nauka, tekhnika. XII Seriya. Geografiya i geografika, no. 5)
Use of scarce and rare earth metals and their compounds in the technology of silicates. A. I. Avdeyeva. VKHO 8 no. 2:136-141 '63.

LS, HARE AND MINOR (Continued)

lotnala, N. P., M. I. Novikova, and V. T. Shatskaya. ngaten-molybdenum-tin-beryllium deposits and r formation] Vol'fram-molibden-olovo-berillitovy storozhdeniya i usloviya ikh obrazovaniya. Moskva, geoltekhizdat, 1962. 94 p. (Geologiya mestorozh- ti redkikh elementov, no. 18)

LS AT HIGH TEMPERATURE

stigating the structure of tantalum at high tempera- es. V. M. Amosenko and others. Fiz. met. i talloved, 15 no. 3:444-450 Mr '63.
stem of adsorption regularities in metallic melts, B. Lazarev. Izv. AN SSSR, Otd. khim. nauk no. 3: i-567 Mr '63.
troubles of the miraculous chemistry. M. Lerner. annia ta pratsia no. 2:7-8 F '63.

LS AT LOW TEMPERATURE

-temperature expansions in the theory of ferromag- nism. S. V. Tlabinov. Dokl. AN SSSR 149 no. 3:573- i Mr '63.

LWORK

netic method for shaping metal objects (from "Me- anical Engineering," no. 2 1962), I. A. Vol'kovich, om, energ. 18 no. 4:39-40 Ap '63.

LWORKING LUBRICANTS

keless lubrication for pipe rolling on continuous ils. P. V. Savkin and others. Met. i gornorud. prom. 1:65-72 Ja-F '63.

MATHEMATICS

rpresentation of logical formulas by means of finite ystems and its relation to the realizability theory. T. Medvedev. Dokl. AN SSSR 148 no. 4:771-774 '63.

STASIS

ervations of late cancer metastasis of the mammary nd. L. V. Koriakov. Klin. khir. no. 5:72-73 My 2.

ORTITES

o also subdivision under Podkamennaya Tunguska ley)

th of perforation due to the impact of meteoric par- les. E. I. Andrianov, I. I. Stepanov. Isk. sput. n. no. 15:44-52 '63.

ct of micrometeorite particles on optical surfaces elescopes beyond the earth's atmosphere. I. D. rachentsev. Isk. sput. Zem. no. 15:57-65 '63.

er to the editor, D. I. A. Martynov. Astron. tsir, 232:26-27 D '62.

hod for the acceleration of microparticles to meteor- velocities. A. K. Mukhammedzhanov. Isk. sput. Zem. , 15:53-59 '63.

OROLOGY see subdivision under Antarctic gions; Arctic regions; Atlantic Ocean

OROLOGY—CHARTS, DIAGRAMS, ETC.

mum representation of the vertical distribution of e meteorological elements. L. V. Rukhovets. Izv. SSSR. Ser. geofiz. no. 4:626-636 Ap '63.

OROLOGY—OBSERVATIONS see subdivision under lantic regions; Arctic regions; Mir station, antedica; Pamirs

OROLOGY, MARITIME

rine hydrologic forecasts" by A. A. Zverev. Reviewed V. N. Moretskii, A. O. Shipalkhor. Okeanologiya 3 2:363-365 '63.
tationship between hydrometeorological conditions and location and character of the biogeographic bounda- s in the pelagic zones of the Southern Ocean. Part 1. undary between the Antarctic and sub-Antarctic areas, M. Voronina. Okeanologiya 3 no. 2:285-296 '63.
ory of the thermodynamic interaction of the sea and -atmosphere. B. A. Kagan, Z. M. Ullina. Okeanologiya no. 2:250-259 '63.

OROLOGY IN AERONAUTICS

cast... for yesterday. A. Korotsev, A. Rubin, Zinov'ev. Grazhd. av. 20 no. 3:10-11 Mr '63.
tirements of aviation meteorology for determining e tropopause. N. V. Potrenko. Trudy TSIP no. 118: -55 '62.

ORS

lying the theory of atomic collisions to ionization ocesses in meteor trails. I. U. A. Loshchilov. Izv. tron, obser. 5 no. 1:39-42 '60.
rmining the possibility of ionization in meteor trails eans of radio-visual observations. I. U. A. Loshchil- v. Izv. Astron. obser. 5 no. 1:35-37 '60.
liminary results of observations of faint telemeteors Odessa during the period of International Geophysical operation. I. S. Adinapovich. Izv. Astron. obser. 5 , 1:31-34 '60.
easuring radar observations of meteor echoes. V. P. ososovich. Izv. Astron. obser. 5 no. 1:9-23 '60.

ORS—APRIL

ids in 1961. V. I. Tsvetkov, G. A. Kuranov. Biul. VGO no. 33:7-8 '63.

METEORS—AUGUST

Observations of Perseids in 1961. M. A. Mil'khler. Biul. VAGO no. 33:11-12 '63.
Perseids in 1961. T. S. Shtukina, G. T. Zaliubovina. Biul. VAGO no. 33:9-10 '63.

METEORS—OCTOBER

Results of the observations of meteors in October 1957 in Simferopol' in compliance with the program of the International Geophysical Year. L. V. Cherepanova. Biul. VAGO no. 33:3-6 '63.

METEORS—SPECTRA

Spectra of three bright meteors. E. N. Kramer. Izv. Astron. obser. 5 no. 1:25-29 '59.

METHACRYLAMIDE

Carbochain polymers and copolymers. Report No. 51: Graft copolymers from aliphatic hydroxycarboxylic acids and a styrene copolymer with N-(4-carboxy-n-hexyl) methacrylamide. G. T. Gurgendize, G. S. Kolesnikov, Li Fyn-in [Li Feng-ying]. Izv. AN SSSR, Otd. khim. nauk no. 2:395-368 F '63.

METHACRYLIC ACID

Copolymerization of 2-methyl-5-vinylpyridine with triethylene glycol dimethacrylate [with summary in English]. A. B. Davankov, L. B. Zuhakova. Vysokom. soed. 5 no. 3:309-315 Mr '63.
Copolymers of unsaturated glycidol esters. Copolymeri- zation of glycidyl methacrylate with methyl methacry- late in solvents. M. P. Sorokin and others. Plast. massy no. 3:3-7 '63.
Practices in finishing boards made from wood chips by using polymethyl methacrylate coatings under industrial conditions. G. P. Plotnikova, R. A. Mirkovich, K. N. Andrianova. Der. prom. 12 no. 2:24-25 F '63.

METHANE—EXPERIMENTS

Preparation of methane from potassium acetate. M. S. Zhodok, N. L. Doktorovich. Khim. v shkole 18 no. 2: 69-71 Mr-Apr '63.

METHANOL

Determination of the compressibility of methanol, car- bon monoxide-hydrogen and carbon monoxide-hydrogen- methanol mixtures at high temperatures and pressures. D. B. Kazarnovskaya, I. P. Sidorov, I. A. S. Kazarnovskii. Khim. prom. no. 3:205-211 Mr '63.
Structure and dual reactivity of N-ethyleniminocar- binols. R. G. Kostianovskii, V. F. Dystrov. Dokl. AN SSSR 148 no. 4:839-842 F '63.

METHIONINE

Complex compounds of bivalent platinum with methionine. L. M. Volshteln, M. F. Mogilevskina. Zhur. neorg. khim. 8 no. 3:597-603 Mr '63.

METHOD OF LEAST SQUARES see Least squares

METHOD OF STUDY see Study, Method of

METHYL ETHER

Condensation of absolute methyl ethers of phenols with formaldehyde. I. P. Uvarov. Sbor. trud. TSNILKHI no. 14:35 '61.

METRIC SYSTEM

Krypton tube for the reproduction of the length-unit standard. N. R. Batarelukova, I. U. P. Efremov, G. S. Popov. Izv. tekhn. no. 8:14-16 Ag '62.
New definitions of the meter. E. A. Volkova. Izv. tekhn. no. 8:5-8 Ag '62.

METRIC SYSTEM—CONVERSION TABLES

Decimal and metric equivalents of inch fractions. Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6: Insert '62.

MEXICO—COMMUNIST PARTY

Persecution of an outstanding Mexican painter. T. Bol'- botenko. Rad. pravo no. 3:135-136 My-Je '62.

MEXICO—POLITICAL CRIMES AND OFFENSES

Persecution of an outstanding Mexican painter. T. Bol'- botenko. Rad. pravo no. 3:135-136 My-Je '62.

MEXICO—THEATER

Paths of the Mexican theater. V. K. Teatr 24 no. 4:160 Ap '63.

MEYER, ERNST HERMANN, 1905-

E. Meyer and his piano concerto. G. Shneerson. Sov. muz. 27 no. 4:127-128 Ap '63.

MICA—ANALYSIS

Iron content of ferromagnesian micas in metamorphic rocks. L. P. Nikitina. Zap. Vses. min. ob-va 92 no. 1:60-66 '63.

MICE—DISEASES AND PESTS

Susceptibility of house mice to cutaneous leishmaniasis. P. A. Patrishcheva, E. M. Belova. Vop. kraev. paraz. Turk. SSR 3:127-132 '62.

MICELLES

Formation of micelles in solutions of surface-active substances and kinetic wetting. L. M. Levitskii, S. A. Nikitina, A. B. Taubman. Dokl. AN SSSR 149 no. 3: 633-636 Mr '63.

Predistillation of micelle in the rising film. V. V.

Beloborodov. Masl.-zhir. prom. 29 no. 2:5-8 F '63.

MICROBIOLOGY

Godnev, T. V., ed. [Problems of plant physiology and microbiology] Voprosy fiziologii rastenii i mikro- biologii. Minsk, Izd-vo M-va vysshago, srednego spetsial'nogo i professional'nogo obrazovaniya BSSR. No. 2, 1961. 153 p.

Simplification of the method for measuring microbe cells and other microscopic objects by means of mathematical calculations. L. E. Prokhorovich. Trudy MNIPP 2:101-108 '62.

MICROCLIMATOLOGY

Oppl, Ladislav, and Miloslav Jokl. [Method of measuring microclimatic conditions in hygienic practice] Meto- dika izmereniy mikroklimaticheskikh ustoyiv v gigeni- cheskoj praktike. Moskva, Medgiz, 1962. 12 p. (DNLM)

MICROCOCOCCUS

Membranes of Micrococcus lysodeikticus and their relation to oxidation phosphorylation. D. N. Ostrovskii, N. S. Gel'man. Dokl. AN SSSR 148 no. 4:945-946 F '63.

Preparation of dehydrogenase of L-malic acid and the reduced form of diphosphopyridine nucleotide from cytoplasmic membranes of Micrococcus lysodeikticus [with summary in English]. N. S. Gel'man, I. G. Zbu- kova, A. I. Oparin. Biokhimiya 28 no. 1:122-127 Ja- F '63.

MICROMANOMETER see Manometer

MICROORGANISMS

Importance of microbiological objects in the study of pathological changes in genetic coding. N. N. Zhukov- Verezhnikov and others. Vest. AMN SSSR 17 no. 12: 49-59 '62.

Nucleic acids and variability of microorganisms. V. D. Timakov. Vest. AMN SSSR 17 no. 12:39-49 '62.

Recombination of genetic systems in micro-organisms. S. Z. Mindlin, V. V. Sukhodolets. Zhur. VKHO 8 no. 1: 56-68 '63.

Symbiotic growth of Metallogenium. G. A. Zavarzin, V. V. Eplkhina. Dokl. AN SSSR 148 no. 4:933-934 F '63.

MICROORGANISMS, PATHOGENIC

Micro-organisms, pathogenic to the San Jose scale. A. N. Reshetina. Zashch. rast. ot vred. i bol. 6 no. 11: 47 N '61.

MICROPHONE

Correlation method for suppressing fluctuation noise in a piezoelectric instrument microphone. A. N. Shish- molin, V. I. Solov'ev. Trudy inst. Kom. stand., mer. i izm. prib. no. 61:42-44 '62.

Increase in the accuracy of calibrating microphones at low frequencies. A. N. Kristalovich. Trudy inst. Kom. stand., mer. i izm. prib. no. 61:29-36 '62.

A measuring microphone with sensitive lithium sulfate element. N. A. Kaluzhina. Trudy inst. Kom. stand., i izm. prib. no. 61:37-41 '62.

Metrological equipment for acoustical measurements at the All-Union Scientific Research Institute of Phys- ics and Radio Engineering. A. N. Rivin, L. Z. Pronenko, V. A. Cherpak. Trudy inst. Kom. stand., mer. i izm. prib. no. 61:7-22 '62.

MICROPHONE—NOISE

Measurement of the inner noises of microphones [with summary in English on p. 86]. F. V. Semlakin, A. I. Kontsevich, A. D. Khokhlov. Tekh. kino i telev. 7 no. 4:35-38 Ap '63.

MICROPHOTOMETER

Stellar microphotometer at the Engel'gardt Observatory. L. A. Urasin. Astron. tsir. no. 232:16-17 D '62.

MICROSCOPE

Measurement of deformations with the UIM-21 micro- scope for evaluating residual stresses in the surface layer of parts. O. A. Zherebkin. Izv. tekhn. no. 3:17- 18 Mr '63.

Microscope for measuring small diameters of holes and their nonconcentricity. S. L. Gondik. Izv. tekhn. no. 8: 23-24 Ag '62.

MICROSCOPY

Use of projectors and microscopes for the projection of microscopic preparations. L. I. Shanskii. Biul. v shkole no. 2:92-94 Mr-Apr '63.

MICROSCOPY—TECHNIQUE

Screen to be used with a microscope. P. F. Podstavkin. Biul. v shkole no. 2:91-92 Mr-Apr '63.

MICROWAVE COMMUNICATION SYSTEMS

Babaev, N. T., and V. V. Kulikov. [Use of radio relay lines and microwave radio communication in electric power systems] Primeneniye radioreleinykh linii i UKV radiosvyazi v energosistemakh. Pod obshchey red. V. V. Kulikova. Moskva, Gosenergizdat, 1963. 175 p.

MICROWAVE MEASUREMENTS

Filippov, M. M., and others. [Oscillographic recording of super-high frequency oscillations] *Oscillografirovaniye kolebaniy sverkhvysokikh chastot.* [By] A. N. Buklin, M. M. Filippov, A. E. Isaev, Pod red. M. M. Filippova. [Leningrad] Izd-vo Leningradskogo univ., 1963. 211 p. Measurement of power losses in short wave guide lines. R. F. Matveev. *Radiotekh. i elektron.* 8 no. 4:577-584 Ap '63.

MICROWAVES

Bunching of electrons in the field of a delay system. V. N. Parygin. *Radiotekh. i elektron.* 8 no. 4:591-599 Ap '63.
Calculation of a depression coefficient. G. N. Rapoport, V. R. Dobrovinskii. *Radiotekh. i elektron.* 8 no. 4:585-590 Ap '63.
Calculation of wave guide junctions with partial anisotropic filling. E. L. Kulikov. *Radiotekh. i elektron.* 8 no. 4:713-714 Ap '63.
Calculation of waves in electron beams with a high density space charge. A. D. Vlasov. *Radiotekh. i elektron.* 8 no. 4:718-720 Ap '63.
Curvature of image and astigmatism in electrostatic emission systems. G. V. Der-Shvarts. *Radiotekh. i elektron.* 8 no. 4:720-722 Ap '63.
Ferrite valve for waves with mutually perpendicular polarization. N. D. Kozlyev. *Elektrosvyaz'* 17 no. 4:28-32 Ap '63.
Frequency multiplier using a reflex klystron. L. A. Beiov, M. V. Kapranov. *Radiotekh. i elektron.* 8 no. 4:600-611 Ap '63.
Generation of microwaves in ruby with optical pumping. G. M. Zverev, A. M. Prokhorov, A. K. Shevchenko, Zhur. eksp. i teor. fiz. 44 no. 4:1415-1418 Ap '63.
Inverse electrodynamic problem for an impedance antenna with a special shape. O. N. Tereshin. *Radiotekh. i elektron.* 8 no. 4:715-718 Ap '63.
Relaxations in nonlinear capacitance frequency multipliers. A. A. Rabinovich-Vitell, M. E. Gertsenshtein. *Radiotekh. i elektron.* 8 no. 4:725-727 Ap '63.
Spatial correlation functions of amplitude fluctuation during scattered reflection from layers. A. A. Shur. *Elektrosvyaz'* 17 no. 5:27-33 My '63.
Vsesoyuznyi nauchnyi elektrotekhnicheskii institut svyazi. [Matching of balanced vibrators and transmission lines] *Soglasovanie simmetrichnykh vibratorov s linderom; uchebnoe posobie po kursu "Antenn."* Moskva. Pt. 2, ch. 2. 1962. 89 p.
Vsesoyuznyi nauchnyi elektrotekhnicheskii institut svyazi. [Radiation of center-fed dipoles] *Izucheniye simmetrichnykh vibratorov; uchebnoe posobie po kursu "Antenn."* Moskva. Pt. 2, ch. 1. 1962. 61 p.

MICROWAVES—THERAPEUTIC USE

"Results of 4000 visits for microwave treatment" [in French] by M. H. Terrier. Reviewed by L. A. Skurikhina. *Vop. kur., fizioter. i lech. fiz. kul't.* 28 no. 1:89 '63.

MIDDLE AGES

"T. N. Granovskii's lectures on the Middle Ages; his abstracts and the notes of his students." Reviewed by V. I. Buganov, N. A. Denisova. *Ist. SSSR* 7 no. 1:201-202 Ja-F '63.

MIGMATITES

(see also subdivision under Kytlym region)
New genetic type of rare metal mineralization in Precambrian migmatites of the European part of the U.S.S.R. S. V. Nechaev, I. V. Kononov. *Sov. geol.* 6 no. 4:123-128 Ap '63.

MIKHAILOV, SERGEI VLADIMIROVICH, 1913-

Mikhailov, children, and theater. K. Shakh-Azizov. *Teatr* 24 no. 3:114-115 Mr '63.

MIKHAYLOVKA DISTRICT (VOLGOGRAD PROVINCE)—SOVIETS

They always need his advice and help. Dm. Kitov. *Sov. deput. trud.* no. 4:72-73 Ap '63.

MIKLUKHA-MAKLAI, NIKOLAI NIKOLAEVICH, 1846-1888

Documents on Miklukha-Maklai. I. N. Solov'ev. *Izv. Vses. geog. ob-va* 85 no. 1:91 Ja-F '63.

MILDEW

(see also subdivision under Ukraine)

Pea Peronospora. B. D. Assaul. *Zashch. rast. ot vred. i bol.* 6 no. 11:53-54 N '61.

MILI STEPPE see Kura Lowland

MILITARISM

Militarist nature of the modern state-monopoly capitalism. P. V. Sokolov. *Mor. sbor.* 46 no. 5:35-43 My '63.

MILITARY ART AND SCIENCE

Fantastic machines. G. S. Pospelov. *Sov. voen.* 46 no. 3:37 F '63.

MILITARY ART AND SCIENCE—DICTIONARIES

[Concise English-Russian and Russian-English military dictionary] *Kratkii anglo-russkii i russko-angliskii voennyi slovar'.* Moskva, Voen. izd-vo M-va oboron SSSR, 1963. 560 p.

MILITARY ASSISTANCE, AMERICAN see subdivision under Vietnam, South

MILITARY EDUCATION

A gift from the Secretary of Defense. A. Shichalin. *Mol. komm.* no. 11:43-44 N '62.
The main direction. *Za rul.* 21 no. 2:7 F '63.

MILITARY LAW

A society of public prosecutors of the Armed Forces. G. Dorofeev. *Sots. zakon.* 39 no. 7:46-47 Ji '62.

MILITARY LIBRARIES

Soldiers are my readers. I. Kevorkova. *Bibliotekar'* no. 2:53-54 F '63.

MILITARY MINES see Mines, Military

MILITARY MUSEUMS

The teaching of patriotism and the museum. I. Prochko. *Kul't., pros. rab.* 24 no. 2:12-13 F '63.

MILITARY RADIO see Radio, Military

MILIUTIN, IURI SERGEEVICH, 1903-

IU. S. Milutin; on his 60th birthday. Oskar Peltzman. *Sov. muz.* 27 no. 4:142-143 Ap '63.
Together with heroes of songs and operettas... M. Nest'eva. *Sov. muz.* 27 no. 1:101-102 Ja '63.

MILK, DRIED

Magnetic detector for preventing the penetration of metal shavings into the dried milk. O. L. Protasenko. *Khar. prom.* no. 1:49 Ja-Mr '63.

MILK VETCH see subdivision under Turkmenistan

MILKING MACHINES—MAINTENANCE AND REPAIR

(see also subdivision under Stavropol Territory)
Repairing vacuum pumps. O. S. Zlocheva'kyl. *Mekh. sil', hosp.* 14 no. 2:14-15 F '63.

MILLER, ARTHUR, 1915-

The duel did not take place. N. Anastas'ev. *Teatr* 24 no. 4:15-17 Ap '63.

MILLET

Ivanov, N. I. A., and others. [Mechanized raising and harvesting of buckwheat and millet] *Mekhanizatsiia vozdevyvanii i uborki grechikh i prosa.* Moskva, Izd-vo M-va sel', khoz. RRFSSR, 1962. 33 p. (DNIAL)

MILLET—DISEASES AND PESTS

Using elmazine and atrazine in millet fields. V. Sh. Kogan. *Zemledelie* 25 no. 1:56-58 Ja '63.

MILLINERY

New types of trimmings for hats. B. A. Gilkina. *Shvein. prom.* no. 1:14-15 Ja-F '63.

MILLING MACHINERY

Air-swept mills for autogenous grinding. A. F. Bychkov. *Stroi. mat.* 8 no. 3:40-3 of cover Mr '63.

In reply to the article by V. A. Binkovich and others "Operation of rod and ball mills in the first and second stages of milling." M. P. Bozhko. *Gor. zhur.* no. 3:73-74 Mr '63.

The problem of raising the quality of cylindrical grinding bodies. N. A. Voronova and others. *Trudy Giprotsnemen* no. 24:119-144 '62.

Selecting the materials for lining ball mills used in paint manufacture. V. O. Solienko, V. E. Belavskii, B. P. Kosmachevskii. *Lakokras. mat. i ikh prim.* no. 2:55-57 '63.

Study of the way particles fly out from blade rotors of centrifugal grinding machines. V. V. Tovarov, G. N. Osaklenko. *Trudy Giprotsnemen* no. 24:64-91 '62.

Technical layout for grinding raw materials. M. M. Sychev, M. A. Astakhova. *TSement* 20 no. 2:8-9 Mr-Apr '63.

MILLING MACHINERY—STANDARDS

Rod and ball mills. N. S. Sazon. *Standartizatsiia* 27 no. 2:41-42 F '63.

MILLING MACHINES

AFS semiautomatic milling-machine unit. M. I. A. Zlatopol'skii. *Blat. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 3:26-27 '63.

Mirkin, M. S. [Technological processes in machining parts with deep and narrow grooves] *Tekhnologiya obrabotki detalей s glubokimi i uzkiimi pazami.* Moskva, Mashgiz, 1963. 128 p.

New cutter for cutting ratchet wheels. A. T. Karpov. *Transp. stroi.* 13 no. 3:55-56 Mr '63.

Using table feed mechanisms for fastening billets in devices for milling. N. V. Lukashov. *Nauch. trudy Tul. gor. inst.* no. 3:176-180 '61.

MILLING MACHINES—ATTACHMENTS

Mechanized dividing head for milling shafts. B. L. Smoslen'skii, M. A. Rokhlenko. *Mashinostroitel'* no. 3:29 Mr '63.

MILLING MACHINES—NUMERICAL CONTROL

Continuous copying-milling device. G. V. Naumenko, A. TS. Savitskii. *Mashinostroitel'* no. 3:11 Mr '63.

System for program control of a milling machine with continuous linear interpolation. M. G. Breido. *Trudy NII Poligotmash* no. 15:3-26 '61.

MILLING MACHINES—TECHNOLOGICAL INNOVATIONS

Shock worker of communist labor. I. Pergament. *Mashinostroitel'* no. 3:3 Mr '63.

MILLIVOLTMETER

Quick-acting zero-element of a digital transfer millivoltmeter. A. N. Kasperovich. *Izui. tekhn.* no. 8:46-48 Ag '62.

MILLS, CHARLES WRIGHT, 1916-1902

A progressive representative of present-day American sociology [with summary in English, p. 186]. E. D. Modzhinskaya. *Vop. filoz.* 17 no. 4:97-105 '61.

MINE BUILDINGS

Khishchuk, A. A., and others. [Practice of constructing headframes] *Opyt stroitel'stva bashennykh koprov.* Moskva, Gosgortekhnizdat, 1963. 82 p.

MINE COMMUNICATIONS

Droverman, F. G., and N. I. A. Morozov. [Training electricians to service equipment in mines for automatic control, CTC, and communication] *Podgotovka shchitnykh elektromontazhnikov po obsluzhivaniyu sredstv avtomatizatsii, STOb i svyazi.* Moskva, Proftekhizdat, 1962. 61 p.

[MICROFILM]

Means of industrial communication must be planned efficiently. P. S. Bizim. *Ugol' Ukr.* 7 no. 4:37 Ap '63.

MINE DRAINAGE

(see also subdivision under Nikopol' region; Sverdlovsk Province)
Drainage of artesian horizons in constructing and explaining open pits. V. A. Mironenko. *[Trudy] VNIMI* no. 4:113-122 '62.

MINE DRAINAGE—EQUIPMENT AND SUPPLIES

Standardize the apparatus for automatically controlling drainage units. B. Kh. Bogopol'skii, I. S. Kovalev. *Gor. zhur.* no. 3:75-76 Mr '63.

MINE DUSTS

Blasting techniques for pyritic mines subject to sulfide dust explosions. V. A. Zakharenko, E. I. Chernavskii. *Bezop. truda v prom.* 6 no. 3:23-26 Ag '62.

Contamination of the air by outbursts in the main ventilation shafts. V. V. Nedlin, A. P. Okunevskii, A. P. Ikon. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:135-149 '62.

Formation of poison gases and dust during blasting operations in underground workings. A. P. Ikonov, V. F. Shindeeva. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:31-36 '62.

Keeping the cabin of an excavator free from dust. A. V. Iagupov. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:175-181 '62.

Purification of mine water used for dust control in mines. G. P. Kargin. *Bezop. truda v prom.* 7 no. 4:22-23 Ap '63.

Removal of dust from air sucked out of the housings of underground belt conveyors. I. U. F. Kozhemiaka. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:98-104 '62.

Study of dust-free ventilation of working areas in scraper galleries. S. P. Popovich. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:71-88 '62.

Study of dust in the air during the operation of excavators. N. F. Rodionov, A. I. Loboda. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:171-175 '62.

MINE DUSTS—PREVENTION

(see also subdivision under Krivoy Rog Basin)

Automatic hydraulic dust control in loading rock with the PML-8 loader. N. S. Frolov, P. Z. Frenkel', A. K. Malvisenko. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:23-25 '62.

Effective means of keeping dust down on roads in open pits. B. A. Semenenko, I. G. Plinstina. *Gor. zhur.* no. 4:68-69 Ap '63.

Role of wetting and the moisture regime of coal in the massif. V. M. Sukharevskii and others. *Ugol' Ukr.* 7 no. 4:42-43 Ap '63.

Study of hydraulic control of the dust in the air during secondary crushing by the blasting method. S. P. Popovich. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:25-31 '62.

Study of new systems of developing and working sloping blocks as an effective means of controlling mine dust. D. Z. Gel'man, F. Z. Frenkel'. *Sbor. nauch. trud. Kriv. fil. IGD AN URSR* no. 1:87-91 '62.

MINE EXPLOSIONS see subdivision under Kuznetsk Basin

MINE FILLING see subdivision under Donetsk Basin; Poland

MINE FIRES see subdivision under Moscow Basin

MINE GASES

(see also subdivision under Donets Basin)
Degassing during preliminary wetting of a coal seam through short holes. I. G. Legkoduhi, L. IA, Likhachev, Ugol' Ukr. 38 no. 4:54-55 Ap '63.

Formation of poison gases and dust during blasting operations in underground workings. A. P. Ivanov, V. F. Sindeeva, Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:31-38 '62.

Kinetics of sorption of hydrogen by crushed coal at low temperatures. V. S. Vaselovskii, K. A. Terpugova, N. D. Alekseeva, Nauch. soob. IGD 11:182-190 '61.

Principles of "checking" deformations of a coal seam before an outburst or blow. N. G. Rumakov, Ugol' Ukr. 38 no. 4:52-54 Ap '63.

Vsesoyuznoe nauchno-tekhnicheskoe soveshchanie po teorii degazatsii, Moscow, 1961. [Problems in the theory of degassing coal seams] Voprosy teorii degazatsii ugol'nykh plastov; trudy. Pod obshch. red. G. D. Lidina. Moskva, Gosgortekhzdat, 1963, 205 p.

MINE GASES—MEASUREMENT

AMT-2 thermocatalytic methane analyzer. V. S. Kravchenko and others, Ugol' Ukr. 7 no. 4:38-39 Ap '63.

Thermopile groups of a single-channel thermocatalytic transducer for the IM-2, IM-3, IMT-1, IM-3M, and AMT-2 automatic mine methane meters. A. N. Shecherban' and others, Ugol' Ukr. 7 no. 4:20-22 Ap '63.

MINE HAULAGE

(see also subdivision under Ukraine)

Calculation of the maximum height of dumps on an unstable foundation. T. K. Pustovoitova, A. V. Pashkevich, [Trudy] VNIMI no. 45:123-131 '62.

Efficiency of using continuous transportation of bulk loose loads from places where they are mined to points where they are needed. V. S. Kononov, Sbor. trud. MISI no. 39:422-424 '61.

Khokhrjakov, V. S. [Planning and organizing truck transportation in open-pit mines] Proektirovanie i organizatsiya raboty kar'ernogo avtotransporta. Moskva, Gosgortekhzdat, 1963, 166 p.

"Mechanization of workers' transportation in mines" by V. N. Grigor'ev. Reviewed by A. A. Shvartman. Bezop. truda v prom. 8 no. 8:35 S '62.

Ponomarenko, V. A. [Potentialities of the traffic capacity of underground transportation] Rezervy promyshl. i pozharn. podzemnogo transporta. Moskva, Gosgortekhzdat, 1962, 260 p.

State of and outlook for developing trackless trolley-truck transportation in open pits. A. S. Fidelev, Sbor. trud. MISI no. 30:430-434 '61.

Transporting auxiliary materials in hydraulic mines. A. T. Krivtsov, V. S. Iovlev, Ugol' Ukr. 7 no. 4:25-27 Ap '63.

Trolley bus transportation abroad (from foreign periodicals). N. A. Priadko, A. A. Nechitalo, Gor. zhur. no. 4:72-73 Ap '63.

Using heavy truck transportation in open pits. M. V. Vasil'ev, Sbor. trud. MISI no. 30:437-440 '61.

MINE HAULAGE—SAFETY MEASURES

Length of the breaking distance in mines. B. N. Konklin, Bezop. truda v prom. 7 no. 4:10-10 Ap '63.

Safe driving of dump trucks on steep descents in open pits. M. D. Vasil'ev, E. P. Doronenko, Bezop. truda v prom. 7 no. 4:7-8 Ap '63.

MINE HOISTING

Fedorov, M. M. [Adjusting hoists during installation] Naladka montirovannykh pod'omnykh mashin. Moskva, Gosgortekhzdat, 1963, 343 p.

Maximum speeds in starting and slowing multitrope hoists. V. M. Barlovskii, B. Kh. Bogopol'skii, Gor. zhur. no. 3:43-45 Mr '63.

New designs of roller-type guide supports for mine hoists. A. I. Latyash, Gor. zhur. no. 3:40 Mr '63.

Suspension devices of cages of a multicable hoist for freight and workers. I. P. Mitus, V. V. Filin, Bezop. truda v prom. 7 no. 4:24 Ap '63.

MINE HOISTING—PNEUMATIC DRIVING

Electropneumatic springless pressure regulator. L. S. Korshkov, Gor. zhur. no. 4:52 Ap '63.

MINE HOISTING—SAFETY APPLIANCES

Preventing hoists from being disconnected from depth indicators. A. E. Gol'din, Bezop. truda v prom. 7 no. 4:30 Ap '63.

MINE HOISTING—TERMINOLOGY

Make multitrope hoisting terminology precise. L. K. Fuks, Ugol' Ukr. 7 no. 4:20 Ap '63.

MINE LIGHTING

Selection of the basic parameters for battery mine lamps using incandescent bulbs. K. V. Vasil'ev, Nauch. soob. IGD 11:160-173 '61.

MINE MANAGEMENT

Improvement of planning and stimulation of interest in bonuses on the part of miners. A. V. Baronnikov, Gor. zhur. no. 3:16-19 Mr '63.

More about the study of the field of minimum curves in the analytical method. D. F. Borisov, Ugol' Ukr. 38 no. 4:60-61 Ap '63.

MINE PUMPS

Apparatus for automatically controlling pumps. A. P. Solokha, A. V. Chazhchikov, L. I. Tarasevich, Gor. zhur. no. 4:52-53 Ap '63.

MINE RAILROADS

Electric mine locomotives with a large trailing weight (from data in catalogs of foreign firms). G. IA, Mamaev, Gor. zhur. no. 4:73-74 Ap '63.

Kusov, E. F. [Electromechanical characteristics of a drive capacitor motor for an electric mine locomotive with a hydrostatic transmission] Elektromekhanicheskie kharakteristiki privodnogo kondensatornogo dvigatelya rudnichnogo elektrovoza s gidrostaticheskoj perezhel, Moskva, In-t gornogo dela Im. A. A. Skochinskogo, 1962, 24 p.

[MICROFILM]

Remote control by electric locomotives in unloading cars. L. G. Smagul, Gor. zhur. no. 3:65-66 Mr '63.

Study of the electrohydraulic drive of an a. c. contact electric mine locomotive. E. F. Kusov, Nauch. soob. IGD 11:140-152 '61.

MINE RAILROADS—CARS

Automatic counting of loaded cars in mine transportation. V. A. Blizniuk, Met. i gornorud. prom. no. 1:51-53 Ja-F '63.

Self-propelled electric dump cars are a new type of transportation for open-pit mines. P. T. Frolov, Sbor. trud. MISI no. 39:425-428 '61.

MINE RAILROADS—EQUIPMENT AND SUPPLIES

Establishing a series for mine inertia locomotives. N. N. Petukhov, Standartizatsiya 27 no. 2:3-8 F '63.

MINE RAILROADS—ROLLING STOCK see subdivision under Germany, East

MINE RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Provermann, F. G., and N. IA, Martynov. [Training electricians to service equipment in mines for automatic control, CTC, and communication] Podgotovka shakhtnykh elektrolesarej po obsluzhivaniyu sredstv avtomatizatsii, StB i svyazi. Moskva, Proftekhizdat, 1962, 91 p.

[MICROFILM]

MINE RAILROADS—TRACK see subdivision under Czechoslovakia

MINE ROOF BOLTING

Determining the bearing capacity of a wedge-shaped expansion shell and plug of an anchor bolt. B. I. Strygin, Ugol' Ukr. 38 no. 4:20-23 Ap '63.

MINE SURVEYING

(see also subdivision under Khaydarken region)
Complete satisfactoriness of surveying in mining enterprises. P. V. Egorov, IU. N. Razmitayn. [Trudy] VNIMI no. 45:10-11 '62.

Determining an efficient depth for a pit. M. L. Rudakov, [Trudy] VNIMI no. 45:100-105 '62.

Evaluation of the completeness of a detailed survey of a deposit, taking an eventual geometric determination into account. A. I. Osetskii, [Trudy] VNIMI no. 45:50-56 '62.

Methodology for calculating the staff of mine surveying bureaus. N. I. Stenin, [Trudy] VNIMI no. 45:12-17 '62.

Performing surveying calculations on a "Ural" electronic computer. A. V. Khlebnikov, [Trudy] VNIMI no. 45:93-99 '62.

Profiling vertical mine workings. K. S. Vorkovastov, Gor. zhur. no. 3:50-52 Mr '63.

Rigid plumb bob for detecting the centers of hidden bench marks. V. N. Zemisev, V. S. Troitskii, [Trudy] VNIMI no. 45:325-328 '62.

Tasks in mine surveying in light of the decisions of the 22d Congress of the CPSU. S. A. Filatov, [Trudy] VNIMI no. 45:3-8 '62.

MINE TIMBERING

(see also subdivision under Donets Basin)

Approximative calculation of loads on supports of shaft mouths. A. M. Kozel, N. A. Filatov, [Trudy] VNIMI no. 45:204-210 '62.

Effect of inertial forces, created by top subsidence, on the amount of pressure on a support. M. F. Shklyarskii, [Trudy] VNIMI no. 45:237-245 '62.

Effect on the inertia of a safety valve on the operating stability of a hydraulic mine support. S. V. Mamontov, Nauch. soob. IGD 11:84-102 '61.

Model study of the performance of shield chute supports for a diagonal working face. K. A. Ardashev, [Trudy] VNIMI no. 45:254-262 '62.

Nature of rock pressure in horizontal workings and planing supports for shaft bottoms. A. M. Kozel, [Trudy] VNIMI no. 45:218-220 '62.

Tsentral'nyi institut tekhnicheskoi informatsii ugol'noi promyshlennosti. [Studies and systematization of damage to columns of cast-iron tubing] Issledovanie i sistematizatsiya povrezhdenii kolon chugunnoi trubingovoi kropl. Moskva, 1962, 83 p.

[MICROFILM]

"Using solid concrete to support vertical mine shafts" by R. Z. Zaslavskii. Reviewed by Kh. I. Abramson. Ugol' Ukr. 7 no. 4:45-46 Ap '63.

MINE TIMBERING—EQUIPMENT AND SUPPLIES

Study of the performance of the KM-9 steel support unit for thin flat seams. A. A. Orlov, A. A. Zhukov, [Trudy] VNIMI no. 45:246-253 '62.

MINE TIMBERING—SAFETY REGULATIONS

Makulin, I. S. [Handbook on accident prevention for the timberer in underground stone quarrying] Pamiatka po tekhnike bezopasnosti dlia krepli'shchika pri podzemnoi dobyche kamnia. Moskva, Gosstroizdat, 1962, 18 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

MINE TIMBERING—TESTING

Results of tests of the M-67 support in Kuznetsk Basin mines and a study of its principal features on models. S. T. Kuznetsov, M. V. Smirnov, [Trudy] VNIMI no. 45:283-281 '62.

MINE VENTILATION

(see also subdivision under Donets Basin; Krivoy Rog Basin)

Coefficient of turbulent diffusion of combined masses. IU. M. Pervov, Nauch. soob. IGD 11:174-181 '61.

Duganov, G. V., and E. I. Baranov. [Heat regime of mines] Teplovoi rezhim rudnikov. Moskva, Gosgortekhzdat, 1963, 143 p.

Effect of the accuracy of heat calculations for the air in longwalls on the productivity of cooling apparatus. V. G. Tereshchenko, A. M. Kharakoz, Ugol' Ukr. 7 no. 4:13-14 Ap '63.

Forced and forced-exhaust ventilation as a means of controlling leaks in the caving area. F. A. Abramov, O. S. Gershun, Gor. zhur. no. 4:63-67 Ap '63.

Most advantageous distribution of depression losses in mine workings. S. M. Lipkovich, S. N. Osipov, Ugol' Ukr. 38 no. 4:51-52 Ap '63.

Results of the introduction of suction-type ventilation. F. N. Ryzhkov, A. A. Ermolaev, Bezop. truda v prom. 8 no. 8:22-23 Ag '62.

Unstable direction of air escape. A. M. Karpov, M. A. Patrushev, Bezop. truda v prom. 8 no. 8:31-33 Ag '62.

Using pressure-suction ventilation techniques in non-ferrous metal mines. V. P. Prokof'ev, A. I. Pustovalov, Bezop. truda v prom. 8 no. 8:10-11 S '62.

MINE VENTILATION—COLD WEATHER CONDITIONS

Kinetics of the heat and mass exchange processes in a water heater. M. L. Mikhel'son, Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:103-108 '62.

Zil'berbord, A. E. [Heat regime in mines in areas of permanently frozen ground] Teplovoi rezhim shakht v oblasti rasprostraneniia mnogoletnemerzlykh gornykh porod. Moskva, Izd-vo Akad. nauk SSSR, 1963, 93 p.

MINE VENTILATION—EQUIPMENT AND SUPPLIES

AKV-2 unit for air control. V. G. Ustin, Blul. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:20-21 '63.

Production studies of a unit for over-all purification of mine air. V. V. Nedin and others. Sbor. nauch. trud. Kriv. fil. IGD AN URSR no. 1:43-46 '62.

MINE WATER see subdivision under Kirghizistan

MINERAL INDUSTRIES

(see also subdivision under Talas Valley)

"Geography of the mining industry in the capitalist world" by M. S. Rozin. Reviewed by IU. D. Dmitrevskii. Priroda 52 no. 3:23 '63.

"Geography of the mining industry of capitalist countries" by M. S. Rozin. Reviewed by IU. D. Dmitrevskii. Geog. v shkole 26 no. 2:90 Mr-Apr '63.

MINERAL METABOLISM

Röntgenological method for studying the metabolism of mineral substances in hens. E. I. Smirnova, Trudy Kras. SKH 3 no. 1:159-163 '69.

MINERAL WATERS

(see also subdivision under Alma-Ata; Alma-Ata; Azerbaijan; Emba region; Istia; Kuybyshev Province; Makanch District; Myadel' District; Nizhneye Ivkino; Shiran, Azerbaijan; Sirab; Tashkent; West Siberian Plain)

"Mineral water" store. A. Sokolovskii, Sov. torg. 36 no. 2:21-22 F '63.

MINERAL WATERS, SULFUROUS

(see also subdivision under Baku)

Effect of hydrogen sulfide baths on the peripheral blood circulation after reconstructive surgery on the major extremity arteries [with summary in English]. R. M. Grigorian and others. Sov. med. 26 no. 1:46-51 Ja '63.

Some data concerning the effect of sulfide mineral water on the brain blood vessels and the pressure of the cerebrospinal fluid. A. A. Kravchenko, Trudy MONIKI no. 5:142-150 '62.

MINSK—THEATER

Footlights of the Minsk Theater. H. Kolos. Belarus' 20 no. 4:26 Ap '63.

MINSK—TRACTOR INDUSTRY

Five questions for the Minsk tractor manufacturers. Sel', mekh. no. 1:6-7 Ja '63.

Production quality control is a problem of national importance. Aliaksei Sauchanka. Belarus' 20 no. 4: 4 Ap '63.

MINSK—TRACTOR INDUSTRY—TECHNOLOGICAL INNOVATIONS

Friends of communist brigades. A. Emel'yanov. NTO 5 no. 3:27-30 Mr '63.

MINSK—TRACTORS—DESIGN AND CONSTRUCTION

Widen the way for highly efficient technology. V. Lepeshkin. Part. zhizn' no. 9:35-40 My '63.

MINSK—WATER SUPPLY

A glass of water. Iryna Uhal'nik. Rab. i shol. 30 no. 4: 12 Ap '63.

MINUSK—LIBRARIES

History of the Minusinsk Library. P. Vollik. Bibliotekar' no. 4:8-9 Ap '63.

MIR STATION, ANTARCTICA—METEOROLOGY—OBSERVATIONS

Meteorological operations at the portable station of Mir. G. Skalb. Inform. biul. Sov. antark. eksp. no. 37:14-19 '62.

MIRABILITE see subdivision under Queen Maud Land

MIRACLES

Tricks used by priests. G. Filakovskii. IU, Kolesnichenko. Nauka i rel. 4 no. 2:10 F '63.

MIRAGES see subdivision under Antarctic regions

MIRNYI REGION, ANTARCTICA—ROCKS—MAGNETIC PROPERTIES

Magnetic properties of rocks occurring in the Mirnyy region. O. K. Vladimirov, A. M. Karasik, A. M. Mal'tavkin. Inform. biul. Sov. antark. eksp. no. 32:15-10 '62.

MIRNYI STATION, ANTARCTICA—ATMOSPHERE

Results of determining the characteristics of the tropopause from radio sounding data at the Antarctic Observatory of Mirnyy in July and August 1958. IU, K. Fedorov. Trudy TSIP no. 118:34-41 '62.

MIRNYI STATION, ANTARCTICA—IONOSPHERIC RADIO WAVE PROPAGATION

Measurement of ionospheric absorption by a cosmic radio noise method. S. Gilmore. Inform. biul. Sov. antark. eksp. no. 36:22-28 '62.

MIROV, LEV

Lev Mirov and enigmas of the comedy team. Marina Zhezhelienko. Teatr 24 no. 4:73-78 Ap '63.

MIRRORS

Effectiveness of installing mirrors on mountain roads. T. A. Shilokadze. Avt. dor. 26 no. 4:20 Ap '63.

New protective coatings for the manufacture of mirrors. S. I. Berman. Leh. prom. no. 1:30-40 Ja-Mr '63.

MISSIONARIES, AMERICAN see subdivision under Hawaiian Islands

MITRAL VALVE—DISEASES

Differential approach to the diagnosis of mitral stenosis in children [with summary in English]. O. G. Solomatin and others. Sov. med. 26 no. 1:85-90 Ja '63.

MITROKHIN, ANDREI FILIPPOVICH, 1780-1845

A. F. Mitrokhin as restorer of paintings. K. Orlova. Soob. Gos. Erm. no. 23:31-32 '62.

MITSKEVICH, KONSTANTIN MIKHAILOVICH, 1882-1956

Akademik nauk BSSR, Minsk. Literaturny muzei Iakuba Kolasa. [Life for the people; collected materials on the life and activities of Iakub Kolasa] Zbustatsia paroda; zbornik materiyalau ab zhyttsai i dzelnas-tai Iakuba Kolasa. Minsk, Vyd-va Akad. nauk BSSR, 1962, 206 p. (CaOTU)

Iakub Kolasa as folklorist and ethnographer. M. I. Bazarevych. Nar. tvorch. ta etn. 8 no. 4:56-61 O-D '62.

Poet of White Russia. Tursun Sabirov. Uzbekiston 21 no. 11:27 N '62.

MIXING MACHINERY

Mixer for poisonous chemicals. I. Platkov. Tekh. v sel'khoz. 23 no. 1:89 Ja '63.

Studying the mixing process in halva preparation. V. N. Veltishchev and others. Khleb. i kond. prom. 7 no. 4: 3-6 Ap '63.

MIXING MACHINERY—STANDARDS

New standards for concrete mixers and mortar mixers. K. M. Korolev. Stroitel'stvo, 9 no. 3:20 Mr '63.

MOCK ORANGE

Anatomical and morphological investigation of some species of mock orange (Philadelphus L.) during their propagation by cuttings. N. N. Shkurat. Nauch. dokl. vys. shkoly; biol. nauki no. 2:124-130 '63.

MOCK TRIALS

Should there be literary courts? N. Medvedeva. Bibliotekar' no. 2:50-51 F '63.

MODELS AND MODELMAKING

For fourteen-year-olds. A. Stakhurskii. Kul't. -pros. rab. 23 no. 11:56-57 N '62.

Model, impression and copy.... V. Heichenko. Znannia ta pratsia no. 2:15-16 F '63.

Model of a quantum mechanical generator. IUn. tekhn. 7 no. 2:23 F '63.

Operating plant... on a table. D. Ivannikov. IUn. tekhn. 7 no. 12:38-39 D '62.

Parade of models with rocket engines. P. Gorelov. IUn. tekhn. 7 no. 2:38-39 F '63.

Two models. F. S. Pershin. Nach. shkola 31 no. 2:78-81 F '63.

We are building rocket-launching pads. A. Kopylov. IUn. tekhn. 7 no. 4:10-11 Ap '63.

MODELS AND MODELMAKING—COMPETITIONS

Models of transport planes. I. Kostenko. IUn. tekhn. 7 no. 2:72-73 F '63.

MODELS AND MODELMAKING—EXHIBITIONS

Second All-Russian Meeting of Young Technicians. IUn. tekhn. 7 no. 12:5-7 D '62.

MODELS AND MODELMAKING—RADIO CONTROL SYSTEMS

Radio amateurs present their achievements; report from an exhibition. IUn. tekhn. 7 no. 2:19-22 F '63.

Radio waves substituting for cord. V. Firsov. IUn. tekhn. 7 no. 2:40-44 F '63.

MODERN HISTORY see History, Modern

MODULAR COORDINATION (ARCHITECTURE)

[Standardization of bearing and exterior elements; the assortment of standardized structural elements for various types of buildings] Unifikatsiia nosushchikh i ogranichivayushchikh konstruktivnykh sortiment unifikirovannykh stroitel'nykh izdelii dlia zdani razlichnogo naznacheniia. [By] D. B. Khazanov, A. A. Sherentats, G. I. Madern. Moskva, Gosstroizdat, 1963, 110 p.

MODULATION (ELECTRONICS)—MEASUREMENTS

Errors in measuring amplitude modulation factor. N. N. Mozhukhin. Izv. tekhn. no. 8:58-59 Ag '62.

MOSSBAUER EFFECT

Effect of anharmonicity on the temperature shift in the Mossbauer effect. E. M. Iolin. Fiz. tver. tela 5 no. 4: 1104-1108 Ap '63.

MOGILEV—PIPE, CAST-IRON

An Iron-willed manager. N. Kononova. Komm. Bel. 37 no. 3:32-37 Mr '63.

Well-deserved glory. Ryhor Kobets. Belarus' 20 no. 3:12-13 Mr '63.

MOGILEV—WOMEN AS PHYSICIANS

If you meet her, shake her hand! L. Kalinousekaia. Rab. i shol. 30 no. 3:18-17 Mr '63.

MOHAMMEDAN ANTIQUITIES see subdivision under Osselin, North; Tuva A. S. S. R.

MOISTURE

Rapid method for determining moisture in tar. E. I. Evdokimov, M. I. Kikushkin. Trudy Ural. lesotekh. inst. no. 17:66-68 '60.

MOISTURE—MEASUREMENT

Determination of the dispersity and moisture content of water-coal suspensions. G. N. Delagin, Z. V. Smirnova. Trudy IGI 19:138-143 '62.

Determining moisture content of nuts, raisins and poppy seeds. G. A. Kocherzhen. Khleb. i kond. prom. 7 no. 4: 30 Ap '63.

Petrov, I. K. [Moisture measurement and control] Izmorenie i regulirovani vlazhnosti. [Moskva] Mosk. rabochii, 1962, 99 p.

Rapid method for determining the moisture content of raw feather and down materials. V. Kosacheva, V. Lezhchenko. Mias. ind. SSSR 33 [i. e. 34] no. 2:54-55 '63.

The SESH-1 drying cabinets. L. M. Kizenko, R. S. Krasnopol'skaia, A. M. Shabashkevich. Khleb. i kond. prom. 7 no. 4:30 Ap '63.

MOLASSES

More about the use of sugar beet molasses as raw material for the production of glutamic acid. M. I. Baranov, E. A. Grivtseva. Sakh. prom. 37 no. 3: 26(186)-27(187) Mr '63.

MOLASSES—TESTING

New rapid method for determining the normal quality factor of molasses. P. M. Shulin, Chen' I-sian' (Ch'en I-shien). Sakh. prom. 37 no. 3:17(177)-21(181) Mr '63.

MOLCHANOV, SERGEI NIKOLAEVICH, 1895-1962

Sergei Nikolaevich Molchanov; an obituary. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:95 '63.

MOLDAVIA—AFFORESTATION

Prove that belongs to all the people. A. L. Odud. Priroda 52 no. 3:64-68 '63.

MOLDAVIA—AGRICULTURAL WORKERS

One of a hundred. N. Afanas'ev. Sel', mekh. no. 1:38 Ja '63.

MOLDAVIA—AGRICULTURE

Great achievements lie ahead. I. Zlatoust. NTO 5 no. 3:17-18 Mr '63.

MOLDAVIA—ALGAE, FOSSIL

Articulate red algae of the genus Jania from Middle Sarmatian bioherms in Moldavia. V. P. Maslov. Paleont. zhurn. no. 1:111-122 '63.

MOLDAVIA—ANTIQUITIES

Ancient sites dating to the first centuries A.D. near the Zagaykany and Delakeu villages (Moldavia). E. A. Rikman. Krat. soob. Inst. arkheol. no. 90:60-68 '62.

MOLDAVIA—ARCHAEOLOGICAL RESEARCH

Archaeological research carried out by the Museum in 1958. G. P. Sergeev. Trudy GIKM za 1960:129-138.

MOLDAVIA—ARCHAEOLOGY—MAPS

Materials for an archaeological map of Moldavia. N. A. Ketraru. Trudy GIKM za 1960:113-128.

MOLDAVIA—BURIAL

Burial of a Scythian soldier. G. P. Sergeev. Trudy GIKM za 1960:137-140.

MOLDAVIA—CANNING AND PRESERVING

Automation of the cooking of preserves. A. A. Erofeev, E. I. Pravda, V. K. Lomakin. Trudy MNEPP 2:109-113 '62.

MOLDAVIA—CANNING INDUSTRY

Combining the winemaking and canning industries. Kh. I. Khazin. Kona. i ov. prom. 18 no. 5:41 My '63.

MOLDAVIA—FIRES AND FIRE PREVENTION

In the land of Moldavia. A. Pavlov. Pozh. delo 9 no. 4: 31 Ap '63.

MOLDAVIA—FRESHWATER BIOLOGY

Akademik nauk Moldavskoi SSR. Institut zoologii. [Biological resources of the bodies of water of Moldavia] Biologicheskie resursy vodnoy Moldavii. Kishinev, Izd-vo "Shtiintsa" Akad. nauk Moldavskoi SSR, 1962, 85 p.

MOLDAVIA—GRAPE JUICE

Rozman, I. I. [Methods for determining the production costs in the canning industry in the calculation of the economic efficiency of modern equipment; based on the example of grape juice production] O metodike opredeleniia sebestoimosti v konservnoi promyshlennosti pri ischislenii ekonomicheskoi effektivnosti novoi tekhniki; na primere proizvodstva vinogradnogo soka. Kishinev, Izd-vo "Shtiintsa," Akad. nauk Moldavskoi SSR, 1962, 35 p.

[MICROFILM]

MOLDAVIA—HEALTH RESORTS, WATERING PLACES, ETC.

"Health resorts in Moldavia" by V. I. A. Negrescu. Reviewed by M. S. Belen'kii. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:97-98 '63.

MOLDAVIA—LAND TENURE

Special features of the "liquidation of the kulaks" in the Moldavian S. S. R. IA. T. Smetanin. Trudy GPI 16 no. 3:47-60 '60.

MOLDAVIA—PARASITES—DOMESTIC ANIMALS

"Echinococcosis and coenuriasis of farm animals in Moldavia and their control" by A. A. Spasskii, O. F. Andreiko, N. V. Selivanova. Priroda 62 no. 4:18 '63.

MOLDAVIA—REFRIGERATION AND REFRIGERATING MACHINERY

Development of refrigeration in the Moldavian S. S. R. V. S. Zusman. Khol. tekhn. 40 no. 2:1-3 Mr-Apr '63.

MOLDAVIA—RUSSO-TURKISH WARS

Documents on the participation of the population of Moldavia with the Russian armies in the fighting the Russo-Turkish wars at the end of the 18th century and in the early 19th century. I. Terekhina, A. Nudel'man. Trudy GIKM za 1960:43-65.

MOLDAVIA—STATISTICS

[The Moldavian S. S. R. in figures for 1961] Moldavskaya SSR v tsifrakh v 1961 godu; kratkii statisticheskiy sbornik. Kishinev, Gosstatizdat, 1962, 364 p.

MOLDAVIA—STONE FRUIT—VARIETIES

Babil, M. S. [New varieties of stone fruits for Moldavia] Nove soria kostochkovykh porod dlia Moldavii. Kishinev, Izd-vo sel'khoz. lit.-ry, M-va proizvodstva i zagotovok sel'khozproduktov Moldavskoi SSR, 1962, 68 p.

MOLDAVIA—TAPEWORMS

"Echinococcosis and coenuriasis of farm animals in Moldavia and their control" by A. A. Spasskii, O. F. Andreiko, N. V. Selivanova. Priroda 62 no. 4:18 '63.

MOLDAVIA—TEXTILE INDUSTRY

Reduce labor expenditure in auxiliary operations. N. I. Dzhurinskii. Tekst. prom. no. 2:28-30 F '63.

- MOLDAVIA—VEGETABLE GARDENING**
Moldavian S. S. R. Ministerstvo proizvodstva i zagotovok sel'khozproduktov. [Lectures on vegetable gardening] Lektsii po ovoshchevodstvu. Kishinev, Izd-vo sel'khoz. lit-ry, 1962, 158 p. (V pomoshch' shkolan poredovogo opyta) (DNAL)
- MOLDAVIA—WINE AND WINE MAKING**
Aluminum in the wines of Moldavia. V. A. Shmeleva, M. S. Shchelkunova, E. V. Zobov, Trudy MNIPP 2:37-42 '62.
Combining the winemaking and canning industries. Kh. I. Khazin. Kons. i ov. prom. 18 no. 5:41 My '63.
- MOLDAVIAN FOLKLORE** see Folklore, Moldavian
- MOLDING (FOUNDING)**
You can see it on the screen. Nauka i zhizn' 30 no. 1: 30-31 Ja '63.
- MOLDING (FOUNDING)—EQUIPMENT AND SUPPLIES**
Soanenka, M. N. [Graphite molds] Grafitovye litelnye formy. Moskva, Mashgiz, 1963, 114 p.
- MOLDING MACHINES**
Automatic machine for making insulation plates from peat. N. F. Gorin. Torf. prom. 40 no. 3:15-17 '63.
- MOLDS (BOTANY)**
Selecting the mold strains for the distilling industry. V. B. Kotov, O. M. Silishchenskaya. Spirt. prom. 29 no. 3:7-13 '63.
- MOLE CRICKETS—EXTERMINATION**
Mole cricket. K. A. Mamaev. Zashch. rast. ot vred. i bol. 6 no. 6:42 Je '61.
- MOLECULAR DYNAMICS**
Notes on the determination of the Lenard-Jones exponent by acoustic methods. F. F. Kucera. Prim. ul'traakust. k issl. veshch. no. 18:61-67 '62.
Potential barrier of nonradiative molecular transitions in the gaseous phase. V. A. Tolkaev, N. A. Borisovich. Opt. i spekt. 14 no. 3:430-433 Mr '63.
- MOLECULAR SPECTRA**
Neutron scattering on crystals with impurity nuclei and the problem of reconstructing the vibrational spectrum [with summary in English]. I. U. Kagan, I. A. Ioslovskii. Zhur. eksp. i teor. fiz. 44 no. 4:1375-1395 Ap '63.
Role of vibration symmetry in the temperature dependence of the absorption band intensity. I. N. Khalimova. Opt. i spekt. 14 no. 3:433-435 Mr '63.
Study of the electron spectra of organic molecules in scattering media. L. F. Hladchanka, L. H. Pikulik. Vestsi AN BSSR, Ser. fiz.-tekhn. nav. no. 1:52-58 '63.
Theory of quasi-linear electronic-vibrational spectra in crystals. Part 1. Theory of Shpol'skii's effect. K. K. Rebane, V. V. Khizhniakov. Opt. i spekt. 14 no. 3: 362-370 Mr '63.
Theory of vibrational spectra of U-centers. G. S. Zavi. Fiz. tver. tela 5 no. 4:1086-1088 Ap '63.
Vibrational and electron spectra of some selenophane homologs. J. Eidusa, T. Polko, I. U. Iur'ev. Izv. AN Latv. SSR no. 2:63-67 '63.
- MOLECULAR WEIGHTS**
Determination of the molecular weight of polydimethylphenylallylsilane and polytrimethylallylsilane. N. S. Nametkin, T. S. Siao-pel [Ch'iu Hsiao-p'ei], I. M. Bel'govskii. Izv. AN SSSR, Otd. khim. nauk no. 3:478-481 Mr '63.
- MOLECULES**
Kornov, I. P. [Lecture on the mutual influence of atoms in molecules] Teoriia vzaimnogo vliyaniia atomov v molekulakh; lektsiia. Moskva, Mosk. tekhnologicheskii in-t miasnoi i molochnoi promyshl., 1961, 27 p. [MICROFILM]
Molecular kinetic theory of the absorption of sound in dense gases and liquids. A. A. Adkhamov. Akust. zhur. 9 no. 2:153-157 '63.
- MOLES (ANIMALS)**
Ecologic and physiologic characteristics of the blood in shrews and moles. P. A. Korzhuev, T. I. Koretskaia. Trudy Inst. morf. zhiv. no. 41:128-136 '62.
- MOLOCHNOYE, LAKE—FRESHWATER FAUNA**
Materials on the bottom fauna of the Molochnyy Liman. A. A. Bezruchko. Nauch. dokl. vys. shkoly; biol. nauki no. 2:28-31 '63.
- MOLODECHNO DISTRICT—CHILDREN AS MUSICIANS**
A family of skilled musicians. IA. Makouski. Rab. i sial. 39 no. 2:21 F '63.
- MOLLUSKS** see subdivision under Daghestan
- MOLLUSKS, FOSSIL** see subdivision under Caucasus, Northern; Kamchatka; Siberia, Eastern; Utkholok, Cape
- MOLTEN METALS** see Liquid metals
- MOLYBDENITE—THERMOELECTRIC PROPERTIES**
Some characteristics of the change of thermoelectromotive forces of molybdenite from deposits of various genetic types. G. A. Gorbakov, V. G. Kruglova, G. A. Sidorenko. Min. syr'e no. 5:96-100 '62.
- MOLYBDENUM**
Formation of molybdenum containing iron hydroxides. A. S. Mikhailov. Geokhimiia no. 10:925-928 '62.
Formation of the halos of dispersion of molybdenum and the estimation of their potential. A. S. Mikhailov. Trudy SNIIGIMS no. 25:187-194 '62.
- MOLYBDENUM—METALLURGY** see subdivision under Kadzharan
- MOLYBDENUM—CHROMIUM ALLOYS** see Chromium-molybdenum alloys
- MOLYBDENUM-IRON ALLOYS** see Iron-molybdenum alloys
- MOLYBDENUM ISOTOPES**
Neutron-spectroscopic study of nuclear levels. Part 1: Neutron cross sections in molybdenum isotopes in the 7000-15000 ev. energy range [with summary in English]. M. I. Pevzner and others. Zhur. eksp. i teor. fiz. 44 no. 4:1187-1194 Ap '63.
- MOLYBDENUM-NICKEL ALLOYS** see Nickel-molybdenum alloys
- MOLYBDENUM ORES** see subdivision under Klankas Autonomous Province; Transbaikalia
- MOLYBDENUM OXIDES**
Effect of the radioactivity of molybdic anhydride on the variation of its specific surface area. I. E. Zimakov, N. P. Dobroslovskaia, V. I. Spitsyn. Dokl. AN SSSR 148 no. 4:884-885 F '63.
Kinetic method used in the determination of bond energies of the reacting atoms of organic molecules having a blue molybdenum oxide surface. A. A. Tolstopiatova, A. A. Balandin, V. A. Neumov. Izv. AN SSSR, Otd. khim. nauk no. 3:423-429 Mr '63.
- MOLYBDENUM STEEL—HEAT TREATMENT**
Coagulation of the carbide phase during the tempering of molybdenum steel. V. I. Paarev. Fiz. met. i metalloved. 15 no. 2:234-238 F '63.
- MOLYBDENUM-TUNGSTEN ALLOYS**
Diffusion of components in molybdenum-tungsten alloys. M. D. Smolin. Fiz. met. i metalloved. 15 no. 3:472-473 Mr '63.
- MOMENTS OF INERTIA**
Berkovich, D. M. [Inertial forces in engineering and their balancing] Sil'i inertsi v tekhnike i ikh uravnoveshivanie. Moskva, Mashgiz, 1963, 90 p. (Nauchno-popul'nar-naia biblioteka molodogo rabochego)
Lopovok, B. N. [Moments of inertia of plane figures] Momenty inertsi ploskikh figur. Moskva, Mosk. aviatsonnyi in-t im. Sergo Ordzhonikidze, 1962, 26 p. [MICROFILM]
- MONASTERIES** see subdivision under Mount Athos
- MONCHEGORSK REGION—MINERALS**
"Monchit" and Kotul'skii, "new minerals and the composition of michenerite. A. D. Gonkin, N. N. Zhuravlev, E. M. Smirnova. Zap. Vses. min. ob-va 92 no. 1:33-50 '63.
- MONGOLIA**
Across our land. Sovr. Mong. 7 no. 12:31-32 D '62.
- MONGOLIA—BRACHIOPODA, FOSSIL**
Middle Devonian Brachiozoa in Mongolia. A. K. Krylova. Trudy VNIGRI no. 196. Paleont. sbor. no. 3:76-87 '62.
- MONGOLIA—CATTLE BREEDING**
On a throughbred cattle farm. U. Damdinsuren. Sovr. Mong. 7 no. 12:13-15 D '62.
- MONGOLIA—DESCRIPTION AND TRAVEL**
Memorable places. D. Zorig. Sovr. Mong. 7 no. 12:4-8 D '62.
- MONGOLIA—DRUG INDUSTRY**
Pharmaceutical plant. Sovr. Mong. 7 no. 12:12 D '62.
- MONGOLIA—GEOLOGY**
Russia (1923- U. S. S. R.) Geologorazvedochnoe im-ravlenie. [Materials on the geology of the Mongolian People's Republic] Materialy po geologii Mongol'skoi Narodnoi Respubliki. Pod red. N. A. Marinova. Moskva, Gostoptekhizdat, 1963, 287 p.
- MONGOLIA—GEOLOGY, STRUCTURAL**
Comparative geology of the three border regions in Mongolia. A. Kh. Ivanov. Trudy BKNII no. 7:116-139 '61.
- MONGOLIA—HISTORY**
Memorable places. D. Zorig. Sovr. Mong. 7 no. 12:4-8 D '62.
- MONGOLIA—LAMELIBRANCHIATA, FOSSIL**
Carboniferous and Permian Pelecypoda in Mongolia. E. M. Litkevich, V. A. Muromtseva. Trudy VNIGRI no. 196. Paleont. sbor. no. 3:161-169 '62.
- MONGOLIA—LEATHER INDUSTRY**
Leather factory. Sovr. Mong. 7 no. 12:11 D '62.
- MONGOLIA—POLITICS AND GOVERNMENT**
The Constitution of socialist Mongolia. Mezhdunar. 10 no. 5:154-156 My '63.
- MONGOLIA—RECLAMATION OF LAND**
Developing virgin lands is an important step for increasing the production of grain in the Mongolian People's Republic. D. Aksekov. Ekon. sel'khoz. 34 no. 3:119-123 Mr '63.
- MONGOLIA—RESTAURANTS, LUNCHROOMS, ETC.**
Bulgarian cooking in Mongolia. L. Enkhe. Sovr. Mong. 7 no. 12:20-29 D '62.
- MONGOLIA—ROAD CONSTRUCTION**
Development of road construction in the Mongolian People's Republic. I. Kouni. Avi. dor. 26 no. 4:3 Ap '63.
- MONGOLIA—SHOE INDUSTRY**
Shoe factory. Sovr. Mong. 7 no. 12:10-11 D '62.
- MONGOLIA—TECHNICAL ASSISTANCE, RUSSIAN**
Russian fellow. L. Sodov. Sovr. Mong. 7 no. 12:4-5 D '62.
- MONGOLIA—WOOL—TESTING**
Some results of the study of the quality of the wool of Mongolian sheep [translated from the Mongolian]. D. Chodzhi. Tekst. prom. 33 no. 4:25-28 Ap '63.
- MONGOLIA—YOUTH**
How the young people of Mongolia struggle for socialism. Ch. Purevzhav. Mol. komm. no. 7:65-69 Ji '62.
- MONGOLIAN SINGERS** see Singers, Mongolian
- MONILIASES**
Concerning visceral candidiasis. B. A. Avanesov, N. E. Chukhmina. Shor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:101-100 '61.
- MONIUSZKO, STANISLAW, 1810-1872**
Letters written by A. S. Dargomyzhskii to Stanislaw Moniuszko. M. Pekelin. Sov. muz. 27 no. 2:50-52 F '63.
- MONOCHROMATOR**
Fabry and Perot-type interference monochromator with spherical calibration. N. R. Butarchukova, A. P. Kiriuchenko. Izv. tekhn. no. 0:11-13 Ag '62.
- MONOTYPE**
Typesetting of dictionaries, formulas and tables on a monotype. N. A. Sivachev, V. V. Verovskii, A. I. Kuznetsov. Poligr. protzv. no. 3:27-20 Mr '63.
- MOON—OBSERVATIONS**
Height of atmospheric layers distorting the moon's light. A. N. Damidova, N. V. Dystrova. Astron. tsir. no. 2:1: 26 N '62.
Star scintillation and limb deformations of extended celestial bodies. A. N. Damidova, N. V. Dystrova. Astron. tsir. no. 2:12-13 D '62.
- MOON—PHOTOGRAPHS, MAPS, ETC.**
Television photographs of the moon. N. F. Kuprevich. Priroda 62 no. 4:90-93 '63.
- MOON—ROTATION**
Determining constants of the moon's rotation from meridian observations of the crater of Moesling A. K. S. Shukirov. Astron. tsir. no. 2:1:10-18 N '62.
- MOON—SURFACE**
Polarimetric images of the moon. L. V. Ksanfomalii, V. P. Dzhablashvili. Astron. tsir. no. 2:1:12-14 N '62.
Results of hydraulic modeling of lunar ring formations. P. F. Sabaneev. Izv. VAO no. 33:33-35 '63.
Some conclusions from the photometric comparison of terrestrial volcanic regions with lunar surface features. V. V. Sharonov. Astron. tsir. no. 2:1:10-12 N '62.
What does the pennant Ho on. V. Terekhov. Ogonek 41 no. 15:14-15 Ap '63.
- MOOSE**
Effect of man's work on changes in the habitat and number of moose. V. S. Pokrovskii, I. U. M. Shchadilov. Ochr. priro. i zapov. dolo v SSSR no. 7:57-65 '62.
- MORAINES** see subdivision under Kuban Valley; Lania
- MORAL EDUCATION**
(see also subdivision under Paltava Province)
Development of moral sensitivity and habits during the communication process. T. Markova. Doshk. vosp. 36 no. 2:10-13 F '63.
Discussion as a form of moral education. V. Kozlovskii. Nar. obr. no. 4:72-74 Ap '63.
Don't pass by. F. Belinskaya. Shkola-int. no. 1:25-27 Ja-F '63.
Inculcating group habits and convictions in students. L. I. Russo. Sov. pedagog. 27 no. 4:45-54 Ap '63.

MORAL EDUCATION (Continued)

Let's bring up the younger generation in the moral code of the builders of communism. Nach, shkola 31 no. 2; 3-7 F '63.
Let's inculcate thoughtfulness and friendliness in children. T. Topchil. Doshk. vykh. 24 no. 1:14-16 Ja '63.
Moral education. Sov. pedagog. 27 no. 1:96-114 Ja '63.

MORDVINIAN LANGUAGE—SYNTAX

Expression of the direct object in the Erza-Mordvinian language. V. A. Iakubinskaya-Lemberg. Uch. zap. LGU no. 3:14-75-84 '62.

MORDVINOV, NIKOLAI DMITRIYEVICH, 1901-

Soul of a nation of singers. Ukraina no. 6:25 Mr '63.

MORPHINE

Treatment of pulpitis with blomyein in combination with dionin. A. V. Gramin. Stomatologiya 41 no. 5:91 S-O '62.

MORPHOLINE

Reports on new methods of research, diagnosis, and treatment. G. Ulianova. Kardiologiya 2 no. 3:88-89 My-Je '62.

MORTAR

Durability and reliability of automated mortar units. I. V. Petrov. Mekh. stroit. 20 no. 4:14-15 Ap '63.
Quick-hardening polymer mortar based on phenol-formaldehyde resins. V. S. Logvinov and others. Stroit. mat. 9 no. 3:33-34 Mr '63.
Unheated mortars for sealing precast elements. P. S. Kostlaev. Transp. stroit. 13 no. 3:51-52 Mr '63.

MORTAR—STANDARDS

"Construction mortars." Blul. stroit. tekhn. 20 no. 3:17-19 Mr '63.

MORTIFICATION (PATHOLOGY) see Gangrene

MOSAICS

(see also subdivision under Ukraine)
Techniques of modern mosaics. B. Chernyshov. IUn. tekhn. 7 no. 12:53-55 D '62.

MOSCOW—AERIAL SPORTS

Results of a reorganization. I. Dobrykin. Kryl. rod. 14 no. 2:20 F '63.

MOSCOW—AGED—CARE AND HYGIENE

Not to a clinic but to a stadium. Sots. obshch. 24 no. 4: 39 Ap '63.

MOSCOW—AMATEUR THEATRICALS

Lenin today. N. Gorodetskaya. Teatr 24 no. 4:134-135 Ap '63.

MOSCOW—APARTMENT HOUSES

Experimental construction of houses from plastic. IU. Dykhovichenko. Na stroit. Ros. 4 no. 4:16-17 Ap '63.
New type of residential building in Moscow. V. Borovoi. Na stroit. Ros. 4 no. 4:14-15 Ap '63.
Operation of experimental apartment houses. E. Fedorov. Arkhit. SSSR no. 4:33-35 '63.
Some problems of raising the quality of completely precast apartment houses. A. Drozdov. N. Targanskii. Stroit. i arkhit. Mosk. 11 [i. e. 12] no. 4:2-7 Ap '63.

MOSCOW—ARCHITECTURE

New building for the Palace of Labor. Stroit. i arkhit. Mosk. 11 [i. e. 12] no. 4:30-31 Ap '63.

MOSCOW—ART—EXHIBITIONS

For ideological purity in Soviet fine arts! Iskusstvo 20 no. 2:2-11 '63.

MOSCOW—ART, FRENCH—EXHIBITIONS

Moscow. Vystavka frantsuzskogo iskusstva XV-XX v. v. 1955. [Exhibition of French art of the 15th to the 20th century; a catalog] Vystavka frantsuzskogo iskusstva XV-XX v. v.; katalog. Moskva, Gos. izd-vo "Iskusstvo," 1955. 126 p. illus. (NNU)

MOSCOW—ART AND INDUSTRY

Problems of technical aesthetics in Moscow City industry. N. D. Fursov. Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:75-76 '63.

MOSCOW—AUDITING AND INSPECTION

Mass participation and efficient methods are the foundations of success. V. Turovitsov. Part zhizni' no. 8:8-13 Ap '63.

Shevelev, V. A. [Bank control in industry] Bankovskii kontrol' v promyshlennosti; iz opyta raboty Leningradskogo otdeleniya Gosbanka Moskvy. Moskva, Gosfinizdat, 1962. 73 p. (V pomoshch' bankovskomu rabotniku)

MOSCOW—AUTOMOBILE INDUSTRY

Automation of the delivery on the conveyor of the brake drum and of its installation on the rear axle. V. A. Nikolaev, P. P. Novikov. Avi. prom. 28 no. 6:37 Je '62.

Likhachev Automobile Plant. M. Ushakov. Mashinostroitel' no. 3:41 Mr '63.

MOSCOW—AUTOMOBILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

Organization of machinery designers' work. T. Vvedenskii. Sots. trud 8 no. 4:89-92 Ap '63.

MOSCOW—AUTOMOBILE INDUSTRY WORKERS

It's up to me, you, and all of us. S. Solodav. Mol. komm. no. 11:22-24 N '62.

MOSCOW—AUTOMOBILE RACING

IU. Sidorov won the "Za rulem" cup. A. Grihanov. Zavrul. 20 no. 5:29-30 My '62.

MOSCOW—AUTOMOBILES—MAINTENANCE AND REPAIR

Automobile hospital. S. Mariev. Smena 39 no. 23:30-31 D '62.

MOSCOW—AUXILIARY POLICE

Sentinels of safety. V. Bocharova. Smena 39 no. 16:28 Ag '62.

MOSCOW—BANKS AND BANKING

Shevelev, V. A. [Bank control in industry] Bankovskii kontrol' v promyshlennosti; iz opyta raboty Leningradskogo otdeleniya Gosbanka Moskvy. Moskva, Gosfinizdat, 1962. 73 p. (V pomoshch' bankovskomu rabotniku)

MOSCOW—BEARING INDUSTRY

Maria Kozhevnikova's working area. IU. Stepanenko. Mashinostroitel' no. 3:4 Mr '63.

MOSCOW—BEARING INDUSTRY—MANAGEMENT

Improving production administration at the First State Bearing Plant. L. Andronov. Sots. trud. 8 no. 4:78-84 Ap '63.

MOSCOW—BEARING INDUSTRY—TECHNOLOGICAL INNOVATIONS

Innovators of the First Bearing Plant have the floor. M. S. Zabolonov and others. NTO 5 no. 3:8-12 Mr '63.

MOSCOW—BIOGRAPHY

Kondrat'ev, V. A. [Their names are in the history of Moscow] Ikhi imena v istorii Moskvy. [Moskva] Mosk. rabochii, 1963. 189 p.

MOSCOW—BOARDING SCHOOLS

Capital boarding schools report. Shkola-int. no. 2:47-52 Mr-Apr '63.

MOSCOW—BRIDGES, CONCRETE

Prestressed concrete bridges on the Moscow Circumferential Highway. G. S. Fisher. Bet. i zhel. -bet. 9 no. 3:102-107 Mr '63.

MOSCOW—CANCER RESEARCH

Solving the mystery of cancer... I. Kozhevnikova. Smena 39 no. 11:20-21 Je '62.

MOSCOW—CHAMBER ORCHESTRA

The Borodin Quartet in a modern repertoire. G. Shantyr'. Sov. muz. 27 no. 2:95-96 F '63.
Chamber Orchestra of the Conservatory. L. Ginzburg. L. Evgrafov. Sov. muz. 27 no. 4:97-98 Ap '63.

MOSCOW—CHESS—TOURNAMENTS

Missed possibilities. Salo Flor. Ogonek 41 no. 16:28 Ap '63.
Time does not laugh. S. Flor. Ogonek 41 no. 15:28 Ap '63.
Yes, this is a sensation! S. Flor. Ogonek 41 no. 14: 7 Mr '63.

MOSCOW—CHILDREN'S PLAYS

A rare director, Viktor Rozov. Teatr 24 no. 4:121 Ap '63.
Years of study. Z. Volynskaya. Teatr 24 no. 4:136-139 Ap '63.

MOSCOW—CHORAL SOCIETIES

New songs from the North. Georgii Polianovskii. Sov. muz. 27 no. 3:77 Mr '63.
Oldest student chorus. Georgii Polianovskii. Sov. muz. 27 no. 3:77-78 Mr '63.
Premiere of a choral work. Georgii Polianovskii. Sov. muz. 27 no. 3:77 Mr '63.

MOSCOW—CIRCUS

From flick-flack to Hamlet. A. Nikolaev. Teatr 24 no. 3:115-117 Mr '63.

MOSCOW—CITY PLANNING

Block no. 3 on Mir Prospect. V. Andreev, G. Vul'fon. Stroit. i arkhit. Mosk. 11 [i. e. 12] no. 4:28-30 Ap '63.
Novyy Arbat. A. Mndolants. Stroit. i arkhit. Mosk. 11 [i. e. 12] no. 4:14-21 Ap '63.
Transportation statistics and settlement problems in Moscow District. G. A. Gol'ts. Probl. sov. gradostroitel. no. 10:103-115 '63.

MOSCOW—CLINICS

Dispensary treatment for the population. I. B. Rostotskii. Zdrav. Ros. Feder. 7 no. 2:21-23 F '63.
Foundation and development of the F. E. Dzerzhinskii Polyclinic; on the polyclinic's 40th anniversary. I. E. Poliakov. Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:234-235 '61.

MOSCOW—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Shaposhnikova, A. P. [Factory party organizations and party groups] Tselkhovaia partinaiia organizatsiia, partinaiia gruppy. Moskva, Gospolitizdat, 1963. 78 p. (Biblioteka sekretaria pervichnoi partinnoi organizatsii, no. 8)

Struggle of the Moscow Party organization for the reconstruction of agriculture during the first years of the New Economic Policy, 1921-1923. E. I. Rakova. Dokl. TSKHA no. 68:223-235 '61.

MOSCOW—COMMUNITY CENTERS

Always in quest of the new. V. Krest'ianinov. Klub 12 no. 10:2-4 O '62.

MOSCOW—CONCERTS

Concert of French guests. L. Poliakova. Sov. muz. 27 no. 1:105-106 Ja '63.
Evening of Rumanian music. G. Iudin. Sov. muz. 27 no. 1:104 Ja '63.
Meeting with young Leningrad musicians. R. Shaverdian. Sov. muz. 27 no. 1:99-101 Ja '63.

MOSCOW—CONSTRUCTION INDUSTRY

Build so that Moscow residents will say, "Thank you!" Stroit. i arkhit. Mosk. 11 [i. e. 12] no. 4:1 Ap '63.
In the Executive Committee of the Moscow City Soviet of Workers' Deputies. Stroit. i arkhit. Mosk. 11 [i. e. 12] no. 4:38 Ap '63.
Neaterov, A. K. [Southwest; experience in planning and developing the southwestern district of Moscow] Iugo-zapad; iz opyta planirovki i zastroiiki Iugo-zapadnogo raiona Moskvy. [Moskva] Mosk., rabochii, 1963. 106 p.

MOSCOW—DOLLS

Doll maker from Marina Roshcha. I. Titova. Izobr. i rats. no. 3:30 '63.

MOSCOW—DRINKING AND TRAFFIC ACCIDENTS

For three. V. Astashov. Za bezop. dvizh. 5 no. 4:14 Ap '63.

MOSCOW—ELECTRIC EQUIPMENT INDUSTRY

"Dinamo" production for foreign markets. M. Azarkh. N. Zverev. Vnesh. torg. 43 no. 3:30-31 '63.

MOSCOW—ELECTRIC MACHINERY INDUSTRY

[Named after Vladimir Il'ich] Imeni Vladimira Il'icha. Moskva, Mosk. rabochii, 1962. 610 p.

MOSCOW—EVANGELISTIC WORK

Some characteristics of forensic-psychiatric expertise on criminal sectarian activity. D. R. Luntz, L. N. Zemakov. Prakt. sudobnopsikh. ekspert. no. 5:3-12 '61.

MOSCOW—EXERCISE THERAPY

Organizing exercises in medical gymnastics in a medical group. B. G. Fortus, S. G. Shevakin. Teor. i prakt. fiz. kul't. 28 no. 4:53-54 Ap '63.

MOSCOW—EXHIBITIONS

In the "Zemledelie" pavilion at the Exhibition of Achievements of the National Economy of the U. S. S. R. E. A. Frolikina. Zashch. rast. ot vred. i bol. 6 no. 11:56-57 N '61.

Motor vehicles at the Italian Exhibition in Moscow. B. Kalinin, A. Zhuravchenko. Avt. transp. 4 no. 8: 57-59 Ag '62.

Radio amateurs present their achievements; report from an exhibition. IUn. tekhn. 7 no. 2:19-22 F '63.

Relics of our battle glory; documents and materials of the new exposition in the Historical Museum. R. E. Altshuller, S. V. Klimova. Ist. SSSR 7 no. 1:228-233 Ja-F '63.

Rewards to the participants of the Exhibition of Achievements of the National Economy of the U. S. S. R. for work in hydraulic engineering. N. A. Zhuravlev. Gidr. i mel. 15 no. 2:64 F '63.

Special feature exhibition on the mechanization and automation of production processes in the meat industry. A. Apraksina, R. Ivanova. Mias. ind. SSSR 34 no. 1:39-41 '63.

MOSCOW—FALCONS

Common kestrel and long-eared owl in the Botanical Garden. N. V. Bel'skii. Ornitologiya no. 4:316-324 '62.

MOSCOW—FINANCIAL EMPLOYEES

The movement for the communist attitude toward labor is expanding. S. Grachev. Fin. SSSR 37 no. 3:63-67 Mr '63.

MOSCOW—FIRE DEPARTMENTS

Experience of the best must be shared with everyone concerned. Pozh. delo 9 no. 4:8-10 Ap '63.

MOSCOW—FIREMEN—EDUCATION AND TRAINING

Flames submit to the courageous. A. Zhigalov. Smena 39 no. 17:28-29 S '62.

MOSCOW—FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

Mechanized hopper line. A. P. Krestov. Ryb. khoz. 39 no. 4:61-63 '63.

- MOSCOW—FLOUR MILLS—VENTILATION**
Dust removal in the elevator of the TSlurupa Milling Combine. M. Gripas', Muk.-elev.prom. 29 no. 1: 27-28 Ja '63.
- MOSCOW—HEART—INFARCTION**
Occurrence of myocardial infarct among the population of one of the Moscow districts [with summary in English]. Sov.med. 26 no. 1:12-17 Ja '63.
- MOSCOW—HISTORICAL LIBRARIES**
Service to students in the State Historical Library. I. L. Kazakova. Bibliot.SSSR no. 21:102-115 '62.
- MOSCOW—HOME LABOR**
Work at home in the Moscow textile industry in the middle of the 18th century. A. P. Doroshenko. Ist.zap. no. 72: 259-275 '62.
- MOSCOW—HOUSING FOR PHYSICALLY HANDICAPPED**
The housewarming goes on. N. Karaseva. Sots.obesp. 24 no. 4:30-32 Ap '63.
- MOSCOW—INDUSTRIAL MANAGEMENT**
New forms for the organization of economic work in enterprises of the Moscow City Economic Council. L. A. Buslatzkaia, Biol.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i.tekh.inform. no. 3:72-73 '63.
- MOSCOW—INDUSTRIES**
Plotnikov, N. P., M. A. Postnikov and V. S. Shapovalov. [How a city soviet struggles for technological progress] Gorodskoi Sovet v bor'be za tekhnicheskii progress. Moskva, Gosizdat, 1962, 112 p.
- MOSCOW—INSURANCE, SOCIAL—EMPLOYEES**
Facts and documents plus a criminal procedure. A. Alekseev. Sots.obesp. 24 no. 3:23-26 Mr '63.
First successes. V. Ergin. Sots.obesp. 24 no. 4:10-12 Ap '63.
- MOSCOW—LABOR AND LABORING CLASSES**
Polujan, V. P. [You live among people] Ty zhivesh' sredi ljudi. [Moskva] Mosk. rabochii, 1963, 100 p.
- MOSCOW—LIBRARIES**
A treasure house of culture. L. Chetyrkina. Mol.komm. no. 7:109 Ji '62.
- MOSCOW—LIBRARIES, THEATRICAL**
Readers' exhibition. V. B. Teatr 24 no. 3:110-120 Mr '63.
- MOSCOW—MACHINE-TOOL INDUSTRY—MANAGEMENT**
Replies to the editor. Fin.SSSR 37 no. 4:78 Ap '63.
- MOSCOW—MACHINERY INDUSTRY**
Program control of equipment in the enterprises of the Moscow City Economic Council. A. I. Markin. Mashinostroitel' no. 3:8-10 Mr '63.
- MOSCOW—MACHINERY INDUSTRY—PRODUCTION STANDARDS**
Production norms bureau staffed with volunteers in a workshop. N. Evdokimov, N. Zobkov. Sots.trud 8 no. 4:21-23 Ap '63.
- MOSCOW—MAGNETIC STORMS—1960 (NOVEMBER)**
N(h) profiles of the ionosphere over Moscow during the ionospheric magnetic disturbance in November 1960. N. I. Potapova, B. S. Shapiro. Geomag.i aer. 3 no. 1: 63-72 Ja-F '63.
- MOSCOW—MANUFACTURES**
Leon'ev, S. E. [More, better and cheaper; potentials of industries manufacturing consumer goods and those serving the population] Bol'she, luchshe, dshaevle; rezervy promyshlennosti tovarov narodnogo potrebleniia i sluzhby byta. [Moskva] Mosk. rabochii, 1963, 86 p.
- MOSCOW—MEAT INDUSTRY**
A collective strives to win the title of enterprise of communist labor. I. Iakunin, N. Belogolovaia. Mias. ind.SSSR 34 no. 1:4-6 '63.
- MOSCOW—METAL-CUTTING TOOLS**
Action and dreams of an engineer. M. Lavrik. Ogonek 41 no. 13:8 Mr '63.
- MOSCOW—MONUMENTS**
Design for a monument to V. I. Lenin in Moscow; third round of the competition. Arkhit.SSSR no. 4:9-15 '63.
The Freedom Monument was the first example of monumental propaganda. A. Strigalev. Arkhit.SSSR no. 4: 20-22 '63.
Outstanding monument of the revolution. T. Shul'gina, N. Shchepetil'nikov. Stroi.i arkhit.Mosk. 11 [i.e. 12] no. 4:22-24 Ap '63.
Problems of composition in creating a monument to V. I. Lenin in Moscow. O. Frontina. Arkhit.SSSR no. 4: 15-19 '63.
- MOSCOW—MOTION-PICTURE STUDIOS**
In the "Mosfil'm" motion-picture studio. Tekh.kino i telev. 7 no. 4:95 Ap '63.
- MOSCOW—MOTION-PICTURE THEATERS**
Loss? Profit? Isk.kino 33 no. 3:117 '63.
- MOSCOW—MOTOR VEHICLES—MAINTENANCE AND REPAIR**
Activity of motor-vehicle repair plants of the Moscow Executive Committee. A. Rumiantsev. Avi.transp. 41 no. 3:35-38 Mr '63.
- MOSCOW—MUSIC**
Resolution of the party committee of the Bolshoi Theater made on November 3, 1962. Sov.muz. 27 no. 2:64 F '63.
- MOSCOW—MUSIC—COMPETITIONS**
Fireworks of talent. Andrei Zolotov. Smena 39 20-21 Je '62.
- MOSCOW—NURSES AND NURSING**
Work of the Moscow City Council of Medical Nurses. A. I. Rogov. Med.aestra 21 no. 10:62-64 O '62.
- MOSCOW—OPERA**
At performances of the Klevans. B. Pokrovskii. Teatr 24 no. 3:20-25 Mr '63.
First steps. A. Orfanov. Sov.muz. 27 no. 1:65-68 Ja '63.
How Stanislavskii worked. O. Sobolevskaia. Sov.muz. 27 no. 1:68-65 Ja '63.
Letter from a reader. V. Ershov. Sov.muz. 27 no. 1: 77-80 Ja '63.
New encounter with Katerina Izmailova. K. Sakva. Sov.muz. 27 no. 3:57-62 Mr '63.
Sir John Falstaff. R. Shaverdian. Sov.muz. 27 no. 2: 57-64 F '63.
Stanislavskii produces Musorgskii. P. Rumiantsev. Sov.muz. 27 no. 1:68-74 Ja '63.
Years in the studio. B. Kholkin. Sov.muz. 27 no. 1: 52-59 Ja '63.
- MOSCOW—ORTHOPEDIC APPARATUS INDUSTRY**
Quarter of a century. P. Postnikova. Sots.obesp. 24 no. 3:52-53 Mr '63.
- MOSCOW—OWLS**
Common kestrel and long-eared owl in the Botanical Garden. N. V. Bel'skii. Ornitologin no. 4:316-324 '62.
- MOSCOW—PAINTINGS, CUBAN—EXHIBITIONS**
At the exhibition of Cuban painting. V. Turova. Iskusstvo 25 no. 12:52-55 '62.
- MOSCOW—PAINTINGS, ITALIAN—EXHIBITIONS**
Moscow. Gosudarstvennyi muzei izobrazitel'nykh iskusstv. [Exhibition of Italian paintings of the 17th and 18th centuries from the Museum's collection; a catalog] Vystavka Ital'ianskoi zhivopisi XVII i XVIII vekov iz fondov muzeya; katalog. Moskva, 1961. 66 p. plates. (MH)
- MOSCOW—PANORAMAS**
A monument to the heroic deeds of the Russian people. R. Dodzin. Belarus' 20 no. 3:18-19 Mr '63.
- MOSCOW—PHYSICALLY HANDICAPPED—REHABILITATION**
An invalid enters industry. K. Romanova. Sots.obesp. 24 no. 3:44-47 Mr '63.
- MOSCOW—POLITICS AND GOVERNMENT**
[Bulletin of the Moscow Executive Committee] Biol. Ispol.kom. Mosk.gor.sov. no. 19 O '63; nos. 4-5, 7-8 F-Ap '63.
Plotnikov, N. P., M. A. Postnikov and V. S. Shapovalov. [How a city soviet struggles for technological progress] Gorodskoi Sovet v bor'be za tekhnicheskii progress. Moskva, Gosizdat, 1962, 112 p.
- MOSCOW—PRECAST CONCRETE CONSTRUCTION**
Some problems of raising the quality of completely precast apartment houses. A. Drozdov, N. Targanskii. Stroi.i arkhit.Mosk. 11 [i.e. 12] no. 4:2-7 Ap '63.
- MOSCOW—PRINTING INDUSTRY**
Improving economic work is an important production reserve. G. M. Kozenets. Poligr.proizv. no. 3:7-8 Mr '63.
In support of the capital's advanced printing. Poligr.proizv. no. 3:1-2 Mr '63.
Printing industry in the service of the Soviet press. N. V. Mishustin. Poligr.proizv. no. 3:3-4 Mr '63.
- MOSCOW—PRINTING MACHINERY AND SUPPLIES**
Main objective is overall mechanization. N. I. Spikhunin. Poligr.proizv. no. 3:4-6 Mr '63.
- MOSCOW—PRINTING PLANTS**
Improve the technique of publishing periodicals. T. Naumova. Poligr.proizv. no. 3:24-25 Mr '63.
Moscow Printing House No. 2. V. K. Petrushko, V. T. Podriabinnikov. Poligr.proizv. no. 3:8-9 Mr '63.
Work of a specialized enterprise. V. F. Miroshnichenko. Poligr.proizv. no. 3:9-10 Mr '63.
- MOSCOW—PROFESSIONAL EDUCATION**
University of technological progress. Shvein.prom. no. 1:35-36 Ja-F '63.
- MOSCOW—RAILROADS—EMPLOYEES**
With the initiators of a great undertaking. A. Kozlovskaya. Okhr.truda i sots.strakh. no. 4:3 Ap '63.
- MOSCOW—RESTAURANTS, LUNCHROOMS, ETC.**
Pretty, tasty and inexpensive. M. Lavrik, L. Sheralov. kov. Ogonek 41 no. 14:30-31 Mr '63.
- MOSCOW—RESTAURANTS, LUNCHROOMS, ETC.—AUDITING AND INSPECTION**
The delegates inspect, advise and provide assistance. A. Il'icheva. Chakhestv.pit. no. 2:8-10 F '63.
- MOSCOW—SCENE PAINTING—EXHIBITIONS**
Yesterday and tomorrow. Elena Rakhina. Teatr 24 no. 4:112-114 Ap '63.
- MOSCOW—SERVICE INDUSTRIES**
Leon'ev, S. E. [More, better and cheaper; potentials of industries manufacturing consumer goods and those serving the population] Bol'she, luchshe, dshaevle; rezervy promyshlennosti tovarov narodnogo potrebleniia i sluzhby byta. [Moskva] Mosk. rabochii, 1963, 86 p.
- MOSCOW—SINGING—COMPETITIONS**
Future of our vocal art. V. Hargova. Sov.muz. 27 no. 3:67-70 Mr '63.
The Glinka Competitions. Sov.muz. 27 no. 2:78 F '63.
- MOSCOW—SOCIALIST COMPETITION**
This can't be expressed in percentages. N. Nechaev. Sov.profsoyuzy 19 no. 7:4 Ap '63.
- MOSCOW—SPORTS—ORGANIZATION AND ADMINISTRATION**
A joint physical culture collective. V. I. Zheldak, V. T. Sarkis. Teor.i prak.fiz.kul't. 26 no. 3:41-43 Mr '63.
- MOSCOW—STREET NAMES**
Kondrat'ov, V. A. [Their names are in the history of Moscow] Ikhi imena v istorii Moskvy. [Moskva] Mosk. rabochii, 1963, 189 p.
- MOSCOW—STUDENTS, FOREIGN**
House at the beginning of the road. G. Gurkov. Ogonek 41 no. 10:16 Ap '63.
- MOSCOW—SUBWAYS**
Women of the Moscow Subway Construction Administration. T. V. Fedorova. Tramp.stroi. 13 no. 3:3-4 Mr '63.
- MOSCOW—TAXICABS**
"Hello, taxi!" I. Starshinov. Ogonek 41 no. 13:14-15 Mr '63.
People's deputy. E. Volodin. Za bezop.dvizh. 5 no. 3:1-2 Mr '63.
- MOSCOW—TEACHERS**
Youth of the heart. G. Shlykova. Doshk.vosp. 36 no. 2: 85-87 F '63.
- MOSCOW—TECHNICAL LIBRARIES**
In the Polytechnic Library. G. Antashenkova. Bibliotekar' no. 4:10-12 Ap '63.
- MOSCOW—TECHNICAL SOCIETIES**
Main problems raised. A. Shumakova. NTO 5 no. 3:18-19 Mr '63.
- MOSCOW—TELEVISION BROADCASTING**
"Moscow kaleidoscope." O. Puchkov. Sov.radio i tel. 12 no. 1:20-21 Ju '63.
- MOSCOW—TEXTILE INDUSTRY**
Work at home in the Moscow textile industry in the middle of the 18th century. A. P. Doroshenko. Ist.zap. no. 72: 259-275 '62.
- MOSCOW—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS**
Irrescence on the production line. G. Sorokina. Izobr.i raiz. no. 3:33-34 '63.
- MOSCOW—THEATER**
"...Brilliant, but of no consequence." Z. Vladimirova. Teatr 24 no. 4:44-52 Ap '63.
The duel did not take place. N. Anastas'ev. Teatr 24 no. 4:15-17 Ap '63.
In our times. O. Dzubinskaya. Teatr 24 no. 3:8-11 Mr '63.
Not favorable! I. V. Teatr 24 no. 3:121 Mr '63.
Produced by Stanislavskii, M. Rogachevskii and others. Teatr 24 no. 4:104-108 Ap '63.
Remain the same. Nina Velichkova. Teatr 24 no. 4:112-114 Ap '63.
Six critics evaluate a young man. M. Korolov. Teatr 24 no. 3:11-15 Mr '63.
Statistics of playbills. B. Serebrennikova. Teatr 24 no. 4:110 Ap '63.
There will be discussions... E. Indatova. Teatr 24 no. 4:19-10 Ap '63.
To the large stage. Uzbekiston 21 no. 5:17 My '62.
Two hours in the life of the Nadezhin Family. B. Emel'nov. Teatr 24 no. 3:4-8 Mr '63.
- MOSCOW—THEATER IN ART—EXHIBITIONS**
Readers' exhibition. V. B. Teatr 24 no. 3:110-120 Mr '63.

MOSCOW—TOURIST CAMPS, HOSTELS, ETC.

First motels on the circumferential highway. Stroi, i arkhit. Mosk. 11 [i.e. 12] no. 4:32-34 Ap '63.

MOSCOW—TOY INDUSTRY

"Eternal" toys. L. Gornostayeva. Doshk. vosp. 36 no. 2: 91 F '63.

MOSCOW—TRAFFIC ACCIDENTS

Accomplices of a killer. A. Aduv. Za bezop. dvizh. 5 no. 3:15 Mr '63.

The bad and the good. P. Holotsev and others. Za bezop. dvizh. 5 no. 4:15 Ap '63.

Causes number one. E. Bobkov. Za bezop. dvizh. 5 no. 3:8-9 Mr '63.

Fire on the road. E. Motorin. Za bezop. dvizh. 5 no. 3:9 Mr '63.

It happened this way. A. Afekseev. Za bezop. dvizh. 5 no. 4:11 Ap '63.

"63" first-aid car. V. Nazarov. Za bezop. dvizh. 5 no. 4:8-9 Ap '63.

MOSCOW—TRAFFIC POLICE

How I spent Sunday. L. Vindimirov. Za bezop. dvizh. 5 no. 4:10 Ap '63.

MOSCOW—TRAFFIC SAFETY

Comrades. Za bezop. dvizh. 5 no. 4:5 Ap '63.

Our weapons. F. Kvitko. Za bezop. dvizh. 5 no. 3:4 Mr '63.

The public control committee is very strong. L. Mal'ski. Za bezop. dvizh. 5 no. 4:4 Ap '63.

Thirty years later. I. Kruze. Za rul. 20 no. 5:20 My '62.

Voluntary traffic inspectors. S. Zdanovich. Za bezop. dvizh. 5 no. 3:3 Mr '63.

MOSCOW—TRANSIT SYSTEMS

Transportation statistics and settlement problems in Moscow District. G. A. Gol'ts. Probl. sov. gradostroi. no. 10:103-116 '63.

MOSCOW—TRANSPORTATION, AUTOMOTIVE

Cost of inactivity. P. Vutchenko, V. Mikhailov. Za bezop. dvizh. 5 no. 3:5-6 Mr '63.

MOSCOW—TROLLEY BUSES

Experimental trolley bus line operating on 1200 v. M. Z. Zhita, D. K. Tomilovich, L. M. Vlasova. Sbor. nauch. rab. AKKII no. 13:12-17 '62.

MOSCOW—TYPE AND TYPE FOUNDING

Contributions of the Moscow Type Founding Plant to printing. A. I. Tikhomirov, N. I. Semenov. Poligr. proizv. no. 3:13-14 Mr '63.

MOSCOW—WATER BIRDS

Underwater feeders for water birds in the ponds of Moscow. A. A. Kuletskii, V. F. Lartionov. Ornitologiya no. 4:325-327 '62.

MOSCOW—WOMEN—EMPLOYMENT

Industrial and social worker. P. Semidetova. Sots. obshch. 24 no. 3:49-52 Mr '63.

MOSCOW—WORKINGMEN'S CLUBS

Organizers of a cultural recreation. B. Efetov. Agitat. no. 9:50 My '63.

MOSCOW, BATTLE OF, 1941-1942

Role of Moscow railroad employees in the Battle of Moscow, October-December, 1941. P. Z. Smirnova. Ist. SSSR 7 no. 1:157-161 Ja-F '63.

MOSCOW BASIN—COAL

Iablokov, V. S., and others. [Atlas of coals of the Moscow Basin] Atlas uglii Podmoskovnogo bassaina. Pod red. V. S. Iablokova. Tula, Tsentr. biuro tekhn. informatsii. Vol. 1. 1962. 195 p. Vol. 2. [Photographs of thin sections and samples of coals] Fotografii shlifov i obraztsov uglii. 1961. 56 tables.

MOSCOW BASIN—MINE FIRES

New methods for the prevention and extinction of underground fires. N. A. Solodnikov. Bezop. truda v prom. 6 no. 9:15-8 S '62.

MOSCOW BASIN—ROCKS—TESTING

Study of the properties of wall rocks from the Stalno-gorsk-Donskiy coal region of the Moscow Basin. M. S. Gazizov. Nauch. soob. IGD 11:191-203 '61.

MOSCOW PROVINCE—AGRICULTURAL MACHINERY

Potentials of utilizing a tractor depot. A. Bellaev, P. Gushvin. Ekon. sel'khoz. 34 no. 3:55-60 Mr '63.

MOSCOW PROVINCE—AGRICULTURAL WAGES

The piecework wage system in vegetable gardening. E. I. Sizenko. Dokl. TSKHA no. 68:109-114 '61.

MOSCOW PROVINCE—AGRICULTURE

Struggle of the Moscow Party organization for the reconstruction of agriculture during the first years of the New Economic Policy, 1921-1923. E. I. Rakova. Dokl. TSKHA no. 68:223-235 '61.

MOSCOW PROVINCE—ANTIQUITIES

Archaeological explorations in Moscow Province in 1960. R. L. Rozenfel'dt. Krat. soob. Inst. arkheol. no. 90:33-38 '62.

MOSCOW PROVINCE—CATTLE

Efficient structure of a cattle herd. N. Burlakov. Ekon. sel'khoz. 34 no. 3:24-34 Mr '63.

MOSCOW PROVINCE—CHEMICAL INDUSTRIES

Development of the chemical industry in the Moscow Economic Region during the first five-year plan. V. S. Lel'chuk. Ist. zap. no. 72:3-29 '62.

MOSCOW PROVINCE—CLOTHING INDUSTRY—QUALITY CONTROL

Let's pay particular attention to the quality of merchandise. A. Proshchkin. Sov. torg. 36 no. 2:6-10 F '63.

MOSCOW PROVINCE—COLLECTIVE FARMS—VALUATION

Taking gross output and net income as the criterion. A. Klopotovskii, M. Markova. Ekon. sel'khoz. 34 no. 3:87-90 Mr '63.

MOSCOW PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Struggle of the Moscow Province Party organization for the development of stockbreeding in 1953-1958. V. A. Tumasian. Dokl. TSKHA no. 68:237-249 '61.

MOSCOW PROVINCE—COMMUNIST YOUTH LEAGUE

Man is the most important factor. E. Avrusin. Mol. komm. no. 11:25-31 N '62.

MOSCOW PROVINCE—DISABILITY EVALUATION

News from Moscow. Sots. obshch. 24 no. 4:25, 27-28 Ap '63.

MOSCOW PROVINCE—FARM MECHANIZATION

Walk to communism side by side! F. Medvedev. Sov. profsoyuzy 19 no. 7:15-17 Ap '63.

MOSCOW PROVINCE—HISTORIC HOUSES, ETC.

Vasilevskii, S. B. [The environs of Moscow; memorable places in the history of Russian culture from the 14th to the 19th century] Podmoskov'e; pamiatnye mesta v istorii russkoi kul'tury XIV-XIX vekov. [Moskva] Mosk. rabochi, 1962. 582 p. illus. (CU)

MOSCOW PROVINCE—OFFICE EQUIPMENT AND SUPPLIES

Mechanization of the engineer and management work in enterprises of the Moscow Economic Council. I. V. Gellert. Blud. tekhn. ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:74-75 '63.

MOSCOW PROVINCE—PROFIT

Improving the system of deduction from profits. T. Gilda. Fin. SSSR 37 no. 4:48-54 Ap '63.

MOSCOW PROVINCE—RESTAURANTS, LUNCHROOMS, ETC.

Thanks. I. U. Petrov. Sov. potrebn. koop. 7 no. 2:20 F '63.

MOSCOW PROVINCE—SOILS—CLASSIFICATION

Taking gross output and net income as the criterion. A. Klopotovskii, M. Markova. Ekon. sel'khoz. 34 no. 3:87-90 Mr '63.

MOSCOW PROVINCE—SPRINKLER IRRIGATION

Comparative evaluation of movable sprinklers. F. I. Glushkov, D. V. Rantsaus. Gidr. i mel. 15 no. 2:9-13 F '63.

MOSCOW PROVINCE—STOCK AND STOCKBREEDING

Struggle of the Moscow Province Party organization for the development of stockbreeding in 1953-1958. V. A. Tumasian. Dokl. TSKHA no. 68:237-249 '61.

MOSCOW PROVINCE—SWINE

Economic efficiency of the specialization and concentration of swine production on the state farms of Moscow Province. Tu Shi-Lu. Dokl. TSKHA no. 68:147-153 '61.

MOSCOW PROVINCE—TAXATION

Improving the system of deduction from profits. T. Gilda. Fin. SSSR 37 no. 4:48-54 Ap '63.

MOSCOW PROVINCE—TITMICE

Materials on the ecology of blue and greater titmice in Moscow Province. A. A. Inozemtsev. Ornitologiya no. 4:103-116 '62.

MOSCOW REGION—BIRDS

Inactive birds in Moscow. V. V. Stokov. Ornitologiya no. 4:305-315 '62.

MOSCOW REGION—BIRDS—EGGS AND NESTS

Nesting relations of birds in the settlements of the Moscow region. A. I. Il'enko. Nauch. dokl. vys. shkoly; biol. nauk no. 2:41-45 '63.

MOSCOW UNIVERSITY

"Place dedicated to sciences..." V. V. Sorokin. Nauka i zhizn' 30 no. 1:68-74 Ja '63.

MOSQUITOES see subdivision under Turkmenistan

MOSSES see subdivision under Antarctic regions

MOTHERS see subdivision under Japan

MOTHER'S DAY

Toward March 8th. E. Kossakovskaya. Doshk. vosp. 36 no. 2:90 F '63.

MOTHS—EXTERMINATION see subdivision under Azerbaijan

MOTION

Some cases of integrability of equations describing the motion of a mass point acted upon by the Newtonian force and additional perturbing forces. K. G. Valsev. Prikl. mat. i mekh. 27 no. 2:211-217 Mr-Apr '63.

MOTION-PICTURE CAMERAS

Among motion-picture cameras. Nauka i zhizn' 30 no. 1:106-109 Ja '63.

MOTION-PICTURE FESTIVALS see subdivision under San Francisco

MOTION-PICTURE INDUSTRY—FINANCE

Loss? Profit? Isk. kino 33 no. 3:117 '63.

MOTION-PICTURE MUSIC

Going through life with a song... B. Chirkov. Sov. muz. 27 no. 1:9-14 Ja '63.

Good films must have good music. V. Vlasov. Sov. muz. 27 no. 1:7-8 Ja '63.

"The heart sings..." A. Borisov. Sov. muz. 27 no. 3: 89-93 Mr '63.

Round-table conference in our editorial office. Sov. muz. 27 no. 3:94-97 Mr '63.

Work of the composer in motion pictures. M. Tariverdiev. Sov. muz. 27 no. 1:14-16 Ja '63.

A young composer has come... I. A. Kharon. Isk. kino 33 no. 2:94-97 '63.

MOTION-PICTURE PHOTOGRAPHY

Stabilization of exposure in filming with the alternating frequency method. I. A. L. Leibov. Tekh. kino i telev. 7 no. 4:83-86 Ap '63.

Study of the character of the expansion of some types of volcanic, hydrated glass by means of motion-picture filming. P. P. Budnikov and others. Stroi. mat. 9 no. 3:31-33 Mr '63.

MOTION-PICTURE PHOTOGRAPHY—ABSTRACTS

Filming and projection of motion pictures. Tekh. kino i telev. 7 no. 4:84-86 Ap '63.

Motion-picture film and its photographic processing. Tekh. kino i telev. 7 no. 4:89-90 Ap '63.

MOTION-PICTURE PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

[Photographic and motion-picture equipment] Ref. zhur.: Fotokinetekh. no. 5 My '63.

MOTION-PICTURE PHOTOGRAPHY—FILMS

Cabinet for film storage. I. U. Moskalenko. Tekh. kino i telev. 7 no. 4:94 Ap '63.

Protective treatment and reconditioning of film materials [with summary in English on p. 96]. I. M. Fridman. Tekh. kino i telev. 7 no. 4:75-79 Ap '63.

MOTION-PICTURE PLAYS

[see also subdivision under Georgia; Lithuania; Soviet Central Asia; White Russia]

Conventionality of the stage and conventionality of the screen. L. V. Chulei. Isk. kino 33 no. 2:103-108 '63.

For purity of spirit. F. Mironer. Isk. kino 33 no. 3: 18-21 '63.

For that which is novel versus the fashionable. Leonid Lukov. Isk. kino 33 no. 3:1-3 '63.

From everywhere. Isk. kino 33 no. 2:142-147 '63.

From everywhere. Isk. kino 33 no. 3:150-152 '63.

Let each motion picture be reshown. A. Bllalov. Isk. kino. 33 no. 3:115-116 '63.

Letter to the editor. V. Volkov and others. Isk. kino 33 no. 2:152-153 '63.

Man learns to be kind. M. Kuznetsov. Isk. kino 33 no. 3:9-14 '63.

Motion-picture schedule. Isk. kino 33 no. 2:158-160 '63.

Motion-picture schedule. Isk. kino 33 no. 3:167-168 '63. New motion pictures. R. Kaplia. Rab. i stal. 39 no. 3: 20 Mr '63.

New motion pictures. R. Kaplia. Rab. i stal. 39 no. 4: 12-13 Ap '63.

On the screens of the world. M. Turevskaya and others. Isk. kino 33 no. 2:135-141 '63.

On the screens of the world. V. Bozhovich, N. Zelenko. Isk. kino 33 no. 3:147-149 '63.

Once upon a time... (conclusion). Viktor Shklovskii. Znamia 33 no. 2:168-192 F '63.

See these films. R. Kaplia. Rab. i stal. 39 no. 2:14-16 F '63.

To create with the people for the people. I. Pyr'ev. Isk. kino 33 no. 2:1-5 '63.

MOTION-PICTURE PROJECTION—ABSTRACTS

Filming and projection of motion pictures. Tekh. kino i telev. 7 no. 4:84-86 Ap '63.

MOTION-PICTURE PROJECTORS

Curvilinear film channel of motion-picture projectors [with summary in English on p. 96]. A. M. Bolokhovskii, Tekh. kino i telev. 7 no. 4:28-34 Ap '63.

MOTION-PICTURE PROJECTORS—MAINTENANCE AND REPAIR

New instruments and tools for repairing motion-picture projection equipment. Tekh. kino i telev. 7 no. 4:95 Ap '63.

MOTION-PICTURE STUDIOS see subdivision under Leningrad; Moscow

MOTION-PICTURE THEATERS see subdivision under Gorkiy; Moscow

MOTION-PICTURE THEATERS—EQUIPMENT AND SUPPLIES

Anderog, G. F., and S. B. Barbanell. [Motion-picture theater equipment] Oborudovanie kinoteatrov. Moskva, Iskustvo, 1962, 483 p.

MOTION PICTURES

(see also subdivision under Kazakhstan; Uzbekistan)

Hussar Larisa, A. Gramov, Smena 39 no. 17:25 S '62.

I am for smiles and confidence. IU. Chul'ukin, Mol. komm. no. 7:15 Ji '62.

"Ivan's childhood," a motion picture. Zhen, mira no. 12: 28-29 '62.

Not for the selected but for all. N. Tolchenova, Ogonek 41 no. 15:25-27 Ap '63.

On Leont'evskiy Lane (conclusion). IA. Varshavskii, Isk. kino 33 no. 2:107-111 '63.

Soviet motion pictures today. Aleksandr Karaganov, Kul't. i zhizn' 6 no. 11:24-27 '62.

We consider this direction to be indisputable. V. Pudovkin, Isk. kino 33 no. 3:96-102 '63.

MOTION PICTURES—CONGRESSES

After the meeting in Geneva. O. Yakubovich, Isk. kino 33 no. 3:148 '63.

At congresses and conferences in Minak, Tallinn, Dushanbe, and Rostov-On-Don. Isk. kino 33 no. 2:6-7 '63.

First Congress of Motion-Picture Employees. Isk. kino 33 no. 3:4-6 '63.

MOTION PICTURES—DUBBING

Dubbing art films for television. Jaroslav Huzara, Sov. radio i tel. 11 no. 11:34-35 N '62.

MOTION PICTURES—PERIODICALS

In foreign magazines. Isk. kino 33 no. 2:148-151 '63.

In foreign magazines. S. Tokarevich and others. Isk. kino 33 no. 3:153-158 '63.

MOTION PICTURES—PRODUCTION AND DIRECTION

(see also subdivision under United States)

Brothers Vasil'ev, L. Parfenov, Isk. kino 33 no. 3: 105-114 '63.

Fact, image, theme. S. Obratsov, Isk. kino 33 no. 3: 80-89 '63.

MOTION PICTURES—SETTING AND SCENERY

Artists create for motion pictures. E. Lutskaia, Iskustvo 28 no. 2:30-37 '63.

MOTION PICTURES, ANTIRELIGIOUS

The acts of "Saint Philip." V. Baulin, Nauka i rel. 4 no. 2:92 F '63.

MOTION PICTURES, DOCUMENTARY

Annals in Krasnogorsk. V. Isel'ia, Teatr 24 no. 4:115-120 Ap '63.

At the junction of different genres. Vitalii Aksenov, Isk. kino 33 no. 3:22-23 '63.

Frank conversation. L. Zolotarevskii, Isk. kino 33 no. 2:18-23 '63.

Grandeur of each day. R. Grigor'ev, Isk. kino 33 no. 3: 24-29 '63.

Master of documentary motion pictures. Uzbekiston 21 no. 11:17 N '62.

May the sun always be... V. Zakharchenko, Isk. kino 33 no. 2:76-79 '63.

Relay race of courage and heroism. Isk. kino 33 no. 2: 80 '63.

"Russian miracle" by Annette and Andrew Thorndike. Reviewed by L. Zav'ialova, Isk. kino 33 no. 3:165-166 '63.

That which is wondrous nearby. V. Shklovskii, Isk. kino 33 no. 2:73-75 '63.

With a kind smile. Veniamin Gorokhov, Isk. kino 33 no. 2:81 '63.

MOTION PICTURES, ITALIAN

"Divorce Italian style." Zhen, mira no. 3:30-31 '63.

MOTION PICTURES, TALKING

Standard specifications of the control sound track for the synchronization of the nonperforated sound carrier [with summary in English on p. 88]. V. G. Lukacher, Tekh. kino i telev. 7 no. 4:58-59 Ap '63.

MOTION PICTURES, TALKING—EQUIPMENT AND SUPPLIES

Rakovskii, V. V. [Measurements in sound recording systems for motion pictures] Izmereniia v apparature zapisi zvuka kinofil'mov. Moskva, Izd-vo "Iskusstvo", 1962, 402 p.

MOTION PICTURES IN AERONAUTICS

Attention! Take! M. Mel'akhs. Grazhd. av. 20 no. 3: 12 Mr '63.

MOTION PICTURES IN AGRICULTURE

Motion pictures on plant protection. A. D. Petrenko, Zashch. rast. ot vred. i bol. 8 no. 6:63 Je '61.

MOTION PICTURES IN EDUCATION

(see also subdivision under United States; Velikiy Ustyug)

Motion pictures and filmstrips in education. N. Z. Urinskii, Nach. shkola 31 no. 2:90-92 F '63.

Motion pictures as a powerful means of education. N. Urinskii, Shkola-int. no. 1:47-50 Ja-F '63.

Motion pictures in class. M. Rozhkov, Shkola i prosv. 7 no. 2:93 F '63.

Sample list of motion pictures and filmstrips. Nach. shkola 31 no. 2:62-63 F '63.

They will become producers of educational motion pictures. E. V. Ioch, Vest. vys. shkol' 21 no. 3:78-80 Mr '63.

To teachers, students, and members of motion-picture clubs. Isk. kino 33 no. 3:103-104 '63.

Use of motion pictures in acquainting students with allo-tropic modifications of carbon. N. I. Avdiunin, Khim. v shkole 18 no. 2:41-45 Mr-Apr '63.

Use of motion pictures in acquainting students with allo-tropic modifications of carbon. N. I. Avdiunin, Khim. v shkole 18 no. 2:41-45 Mr-Apr '63.

MOTION PICTURES IN LITERATURE

Thought and image. Sergei Gerasimov, Isk. kino 33 no. 2:8-12 '63.

MOTION PICTURES IN MEDICINE

Medical lectures combined with motion pictures as a form of sanitary publicity. P. A. Podluzhnyi, Zdrav. Ros. Feder. 7 no. 2:43-44 F '63.

MOTION PICTURES IN SCIENCE

Science, motion pictures, time... (to be continued). G. Nifontov, G. Pradkin, Isk. kino 33 no. 3:90-95 '63.

MOTION SICKNESS

Motion sickness as a problem of space medicine [with summary in English]. G. L. Komendantov, V. I. Kopan-nev, Probl. kosm. biol. 2:80-92 '62.

MOTION STUDY

Graphic method for rhythm analysis and its use in motion study. V. Kh. Kharkevich, Vop. psikh. 9 no. 2:151 Mr-Apr '63.

MOTOR ABILITY

Moscow. Vyslavka dostizhenii narodnogo khozinstva SSSR. Pavilon "Fizkul'tura i sport." [Vector dynamometry in sports] Vektornaya dinamografiya v sporte. Moskva, 1962, 11 p.

MOTOR FUELS

Effect of antiknock qualities of fuel on the power and economic indices of engines. A. P. Lebedinskii, Avi. prom. 29 no. 5:5-10 My '63.

MOTOR GRADERS see Graders (Earthmoving machinery)

MOTOR PSYCHOLOGY see Movement, Psychology of

MOTOR SCOOTERS

(see also subdivision under Czechoslovakia)

Driving the T-200 motor scooter. V. Rukavishnikov, Za rul. 21 no. 3:18 Mr '63.

The M-175 motor scooter. Za rul. 21 no. 2:16-17 F '63.

The new M-175 motor scooter. A. Volkov, Za rul. 21 no. 2:24 F '63.

MOTOR VEHICLES

(see also subdivision under Gorkiy; Italy)

Advises of experienced people. Za rul. 20 no. 5:18-19 My '62.

Automation of a motor vehicle. L. Shtrankh, Za rul. 20 no. 5:12-13 My '62.

Divakov, N. V., and N. A. Iakovlev. [Theory of motor vehicles] Teoriya avtomobil'ov. Moskva, Vysshaya shkola, 1962, 298 p.

Efficient use of motor vehicles. K. G. Ivanchenko, Avtom. telem. i svyaz' 7 no. 4:38-39 Ap '63.

Following up our articles. Za rul. 21 no. 3:26 Mr '63.

Forty-ninth International Exhibition in Paris. L. Afanas'ev, Avi. prom. 41 no. 3:61-62 Mr '63.

In "Za rulem's public reception room. Za rul. 21 no. 3:27 Mr '63.

New motor vehicles in 1963. A. Anders, Avi. prom. 41 no. 3:41-42 Mr '63.

News of foreign engineering. Avi. prom. 41 no. 3:63 Mr '63.

News of foreign engineering. Za rul. 21 no. 3:30-31 Mr '63.

Velikanov, D. P. [Operating characteristics of motor vehicles] Eksploataatsionnye kachestva avtomobil'ov. Moskva, Avtoizdat, 1962, 393 p.

Visitors in the editorial office. Za rul. 21 no. 3:27 Mr '63.

MOTOR VEHICLES—BIBLIOGRAPHY see Bibliography

MOTOR VEHICLES—BRAKES

Device for the preliminary adjustment of brakes. IA. Fomin, Avi. prom. 4 no. 8:61 Ag '62.

Requirements for braking properties in a motor vehicle. IU. B. Belen'kii, Avi. prom. 20 no. 5:26-27 Ag '61.

MOTOR VEHICLES—CLEANING

Mechanized washing unit for motor vehicles. M. A. Iov. Avi. prom. 4 no. 8:20 Ag '62.

MOTOR VEHICLES—DESIGN AND CONSTRUCTION

Family of "Zaporozhets" cars. Avi. prom. 4 no. 8:40-41 Ag '62.

MOTOR VEHICLES—ELECTRIC EQUIPMENT

Changes in electric circuits of ZIL motor vehicles. N. Kugel', Avi. prom. 4 no. 8:17-19 Ag '62.

Electric equipment of the "Zaporozhets" car. O. A. Stotskaia, Avi. prom. 4 no. 8:41-43 Ag '62.

Rytschenko, V. I. [Repair of the electric equipment of motor vehicles] Remont elektrosustavov avtomobil'ov. Moskva, Avtoizdat, 1963, 254 p.

MOTOR VEHICLES—ELECTRIC EQUIPMENT—WIRING

Stand for testing electric equipment. Avi. prom. 4 no. 8:10-20 Ag '62.

MOTOR VEHICLES—ENGINES

Effect of antiknock qualities of fuel on the power and economic indices of engines. A. P. Lebedinskii, Avi. prom. 29 no. 5:5-10 My '63.

MOTOR VEHICLES—FUEL—CONSUMPTION

"Liquid fuel consumption norms for motor vehicles." A. M. Shubin, M. I. Borisov, Review of 5 papers. Avi. prom. 4 no. 8:60-61 Ag '62.

MOTOR VEHICLES—INSPECTION

Before the inspection. V. Reznikov, Za rul. 21 no. 3: 28 Mr '63.

Measures of high national importance. B. G. Gerasimov, IU. Soldatov, Avi. prom. 41 no. 3:48-49 Mr '62.

MOTOR VEHICLES—MAINTENANCE AND REPAIR

(see also subdivision under Moscow; Tbilisi; Ufa; etc.)

Expediency of the repair of motor-vehicle parts in motive transportation units and repair plants. G. A. vonobrodov, Avi. prom. 4 no. 8:21-23 Ag '62.

Gurman, V. S. [Adjustment of UAZ motor vehicles] Regulirovka avtomobil'ov UAZ. Moskva, Avtoizdat, 1963, 54 p.

Lisin, A. S. [Laboratory manual on the maintenance of motor vehicles] Laboratornyi praktikum po tekhnicheskomu obsluzhivaniyu avtomobil'ov. Moskva, Avtoizdat, 1962, 162 p.

Maintenance of motor vehicles at special inspection. A. Garannin, Avi. prom. 4 no. 8:14-17 Ag '62.

New regulations for motor-vehicle maintenance. Avi. prom. 41 no. 3:67-68 Mr '63.

Repair is needed. A. N. Darn'ianovich, Mashinostroyeniye 3 no. 3:44-45 Mr '63.

Technical and economic analysis of overhauling. N. Gapanovich, Avi. prom. 4 no. 8:36-37 Ag '62.

MOTOR VEHICLES—POWER TRANSMISSION

Characteristics of the performance of power transmissions in case of a joint and separate electric drives. A. I. Iakovlev, I. S. Syridenko, A. B. Kasilovskii, Avi. prom. 29 no. 5:31-33 My '63.

MOTOR VEHICLES—RADIATORS

Automatic drive for radiator blinds. I. Rytschenko, Za rul. 20 no. 5:11 My '62.

MOTOR VEHICLES—SOCIETIES, ETC.

(see also subdivision under Armored; Automobile; Rostov-on-Don)

The business of the whole party and all the people. M. Kolpakov, Za rul. 20 no. 5:1-2 My '63.

Increase the number of sportsmen and improve their skill. Za rul. 21 no. 2:11 F '63.

Supernumerary sections form the support of the movement. V. Birlukov, Za rul. 21 no. 3:2 Mr '63.

We prepare for the Fifth Congress of the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy with achievements in work, training and sport. A. Osipov and others, Za rul. 20 no. 5:1 My '62.

MOTOR VEHICLES—SPECIFICATIONS

Competent advisers. M. Matveev, Za rul. 20 no. 5:1 My '62.

MOTOR VEHICLES—TECHNOLOGICAL INNOVATIONS

News of foreign engineering. Za rul. 21 no. 2:30-31 F '63.
Readers' suggestions. Za rul. 21 no. 2:25 F '63.

MOTOR VEHICLES—TIRES

Safe driving with tubeless tires. L. G. Khrapunov, G. V. Nadezhdin, Avi. prom. 29 no. 5:34-35 My '63.

MOTOR VEHICLES—TRANSMISSION DEVICES

Elastic rubber coupling for transmissions of multiaxle motor vehicles. I. A. S. Ageikin, G. V. Arzhanukhin, Avi. prom. 29 no. 5:24-25 My '63.
[Gear wheels of motor vehicles and tractors; design] Zubchatye kolea avtomobilei i traktorov; proektirovaniye i raschet. Minsk, Izd-vo M-va vysshogo, uchenogo spetsial'nogo i professional'nogo obrazovaniya BSSR, 1962. 394 p.

Shabanov, K. D. [Double-flow transmissions for vehicle engines] Dvukhpotoknyye peredachi transportnykh mashin. Moskva, Mashgiz, 1962. 126 p.

MOTOR VEHICLES, AMPHIBIOUS

Amphibious acknowledged. G. Makhotkin. Grazhd. av. 20 no. 3:28-29 Mr '63.

MOTORBOATS

Happy voyage. V. Prokopenko. Za rul. 20 no. 5:3 of cover My '62.

MOTORBOATS—ENGINES

Account of the motorboat engine industry. A. Galstian and others. Za rul. 20 no. 5:6 My '62.

MOTORBOATS—WATER-JET ENGINES

Launch with a jet-propulsion engine. A. N. Pavlenko, E. G. Galkin. Sudostroenie 29 no. 3:30 Mr '63.

MOTORBUS LINES

Solution of the problem of peak hours in urban bus service. B. Krylov, V. Seregin. Avi. transp. 4 no. 8:11-13 Ag '62.

MOTORBUS LINES—RATES see subdivision under Santa Cruz de Tenerife; Spain

MOTORBUSES

(see also subdivision under Riga)

Improve the quality of PAZ-652 motorbuses. Avi. transp. 4 no. 8:55 Ag '62.

MOTORBUSES—EQUIPMENT AND SUPPLIES see subdivision under Turin

MOTORCYCLE INDUSTRY see subdivision under Germany, East

MOTORCYCLE INDUSTRY—STANDARDS

Standardization in the motorcycle industry. A. Abramov, Za rul. 21 no. 2:3-4 F '63.

MOTORCYCLE RACING

(see also subdivision under Kovrov; Minsk; Ufa; Zaporozh'ye Province)

At the start of the racing season. Za rul. 21 no. 3:13 Mr '63.

Chkalov prize for sportsmen of the All-Union Volunteer Society for Assistance to the Army, Air Force and Navy. A. Silkin. Za rul. 21 no. 2:19 F '63.

Contribution of enthusiasts. Za rul. 21 no. 3:1 Mr '63.

A fighter's heart. L. Gorlanov. Za rul. 21 no. 2:12-13 F '63.

Girl-champion from the "Helka" Factory. F. Kokin. Za rul. 21 no. 3:7 Mr '63.

MOTORCYCLES

For those who drive the IZh-50 motorcycle. V. Rozhnov, V. Abramian. Za rul. 20 no. 5:24-25 My '62.
Record-breaking speeds and record-breaking motorcycles. V. Bekman. Za rul. 21 no. 3:29 Mr '63.

MOTORCYCLES—ENGINES

Adjusting carburetors. M. Grintsburg. Za rul. 21 no. 2:27 F '63.

The "Izh-IU" power unit. V. Abramian. Za rul. 21 no. 2:20-21 F '63.

MOTORIZATION, MILITARY

Soldiers' home. N. Verinchuk. Za rul. 21 no. 2:14-15 F '63.

MOTORLESS FLIGHT see Gliding and soaring

MOTORSHIPS

Refrigerator plant on the motorship "Estonia." A. Z. Gerasimov. Biol. tekh.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:39-48 '62.

MOTORTRUCKS

(see also subdivision under Ukraine)

Dump trucks and self-propelled carts. Prom. stroi. i inzh. soor. 5 no. 2:61-63 Mr-Apr '63.

New low-capacity motortrucks. A. Il'in. NTO 5 no. 3: 51-52 Mr '63.

Operating characteristics of the ZIL-164A and ZIL-157K motortrucks. A. Mitushkin. Avi. transp. 41 no. 3: 27-30 Mr '63.

RAF-977K wagon truck. Avi. transp. 41 no. 3:47 Mr '63.

Specialization of medium-capacity motortrucks depending on road conditions. S. Fedorov. Avi. transp. 4 no. 8:44-45 Ag '62.

MOTORTRUCKS—DESIGN AND CONSTRUCTION see subdivision under Ukraine

MOTORTRUCKS—DYNAMICS

Relationship between the rolling resistance of the ZIL-157 motortruck and soil conditions. S. I. Rokas. Avi. prom. 29 no. 5:18-19 My '63.

MOTORTRUCKS—FRAMES

Determining stresses in rivets caused by the torsion of motortruck frames. M. N. Zaks. Avi. prom. 29 no. 5: 29-31 My '63.

MOTORTRUCKS—MAINTENANCE AND REPAIR

Ershov, B. V., and M. V. Zolotarev. [Maintenance of the ZIL-164A and ZIL-164AR motortrucks] Tekhnicheskoe obsluzhivaniye avtomobilei ZIL-164A i ZIL-164AR. Pod red. G. A. Festa. Moskva, Avtotransizdat, 1963. 155 p. (Biblioteka shofera)

Khimki. Tsentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energetiki lesnoi promyshlennosti. [Specifications for checking and sorting parts of MAZ-200 and MAZ-501 motortrucks] Tekhnicheskie slozheniya na kontrol' i sortirovku (razbrakovku) detailei avtomobilei MAZ-200 i MAZ-501. Moskva, Goslesb-mizdat.

Pt. 2. [Chassis of the MAZ-200 motortruck (except the engine)] Shassi avtomobila MAZ-200 (krome dvigatelya). 1962. 214 p.

Maintenance of motortrucks. I. Gudun. Avi. transp. 41 no. 3:33-34 Mr '63.

MOTORTRUCKS—TIRES

They try to spare many millions of rubles. Mykola Varvartsev. Ukraina no. 7:15-16 Ap '63.

MOTORTRUCKS—WHEELS

Fastening disk wheels of motortrucks. S. Laptev. Avi. transp. 41 no. 3:46-47 Mr '63.

MOUNDS see subdivision under Altai Mountains; Carpathian Mountain region; Masyugino region

MOUNT ATHOS—MONASTERIES

Power of the benediction; on the occasion of the millennium of Saint Ananias Monastery at Mount Athos. P. Drzhumtsov. Zhur. Mosk. Patr. no. 3:59-68 Mr '63.

MOUNTAIN ROADS—SAFETY MEASURES

Effectiveness of installing mirrors on mountain roads. T. A. Shilokadze. Avi. dor. 26 no. 4:20 Ap '63.

MOUNTAINEERING see subdivision under Caucasus; Pamirs

MOUNTAINS

(see also subdivision under McMurdo Sound)

Hypothesis rotational forces in orogeny [with summary in English]. N. A. Ansbarg. Vest. LGU 18 no. 6:137-143 '63.

MOUTH—DISEASES

Diagnosis, clinical aspects, and treatment of lichen ruber planus of the mucous membrane of the oral cavity. V. S. Ivanov, A. M. Pomerantseva. Stomatologiya 41 no. 5:12-16 S-O '62.

MOUTH—RADIOGRAPHY

Decreasing the radiation dosage in intraoral roentgenograms. I. I. Vorob'ev, A. A. Krutskii. Stomatologiya 41 no. 5:30-31 S-O '62.

MOVEMENT (PHYSIOLOGY)

Basic principles of the coordination of movement activity. E. K. Zhukov. Teor. i prak. fiz. kul't. 26 no. 3:20-23 Mr '63.

MOVEMENT, PSYCHOLOGY OF

Influence of direct and verbal signals on the regulation of motor reactions in small children [with summary in English]. V. Gatev. Vop. psikhof. 9 no. 2:68-74 Mr-Apr '63.

MOVING PLATFORMS

Conveyors for passengers. B. I. Dobrer. Probl. sov. gradostroi. no. 10:90-102 '63.

MOWING MACHINES

The ZHN-4, 6 improved harvester. O. D. Kurkin. Mekh. ml'i, hosp. 14 no. 1:18-19 Ja '63.

MUCOIDS

Carbohydrate component of mucoprotein in rheumatic patients. G. A. Tsipova. Vrach. delo no. 3:50-53 Mr '63.

MULBERRY

Propagating mulberry trees by means of cuttings. P. M. Malkov. Biol. v shkole no. 2:84 Mr-Apr '63.

MULBERRY BREEDING

Polyploidy in the breeding of mulberry trees. I. K. Abdullaev. Dokl. AN Azerb. SSR 19 no. 1:49-53 '63.

MUMPS

Clinical aspects of serous meningitis in epidemic parotitis. V. I. Pokrovskii, L. T. Litvinainen. Kaz. med. zhur. no. 5:45-47 S-O '62.

MUNA VALLEY (YAKUTIA)—BOTANY—ECOLOGY

Vegetation of the Upper Muna Valley (northwestern Yakutia) and the effect of recent tectonics on it [with summary in English]. A. N. Lukicheva. Bot. zhur. 48 no. 3:328-340 Mr '63.

MUNICH FOUR-POWER AGREEMENT, 1938

"The U. S. A. and Munich; from the history of American foreign policy, 1937-1938" by M. Baturin. Reviewed by P. Lavrov. Mir. ekon. i mezhdunar. otn. no. 2:148-150 '63.

MUNICIPAL ENGINEERING see subdivision under Leningrad

MUNICIPAL GOVERNMENT

Struggle against the organs of municipal government in capitalist countries. V. Grigor'ian. Sov. deput. trud. no. 4:105-107 Ap '63.

MURDER

A belt with ten holes. E. Saulevich. Sois. zakon. 39 no. 7:63-64 Ji '62.

MURMAN COAST—BIRDS

State of bird colonies of the Murman Coast. T. D. Gerasimova. Ornitologiya no. 4:11-14 '62.

MURMAN COAST—GURNARDS

The gurnard Trigla gurnardus L. off the Murman Coast. K. G. Konstantinov. Priroda 52 no. 3:112-113 '63.

MURMANSK PROVINCE—MINERS

On the level of the heart. V. Bocharova. Smena 39 no. 18:13-14 S '62.

MUROM DISTRICT—SOVIETS

We should show concern for the welfare of each family. A. Ershova. Sov. deput. trud. no. 4:8-12 Ap '63.

MUSCLE

Enzymatic breakdown of diphosphopyridine nucleotide in the homogenates of cardiac and skeletal musculature [with summary in English]. S. E. Severin, L. A. Tseitlin, T. N. Druzhinina. Biokhimiya 28 no. 1:145-151 Ja-F '63.

Renewal of creatine in animal muscles [with summary in English]. S. F. Epstein, T. F. Kastykina. Ukr. biokhim. zhur. 34 no. 5:727-733 '62.

MUSCLES

Can we "repair" muscles? S. Mariev. Smena 40 no. 9:22 My '63.

Effect of ischemia on the content of some energy-rich components in skeletal muscles of rabbits [with summary in English]. V. M. Okuniev, A. O. Nykonoval. Ukr. biokhim. zhur. 34 no. 6:871-875 '62.
Effect of ribonucleic acid on the excitability of a neuromuscular preparation of warm-blooded animals. N. A. Smirnova, V. G. Ovechkin. Nauch. dokl. vys. shkoly; biol. nauki no. 2:101-104 '63.

New method of registering and evaluating the contracting capacity of the mimetic and chewing musculature. N. E. Kaytorova. Stomatologiya 41 no. 5:73-77 S-O '62.

MUSCLES—DISEASES

Case of acute myopathy in influenza; recovery. G. Marinescu and others. Vop. virus. 7 no. 6:739 N-D '62.

Case of dermatomyositis with successful treatment. V. I. Semanova, L. I. Bogacheva. Trudy MONKI no. 5:233-236 '62.

MUSCLES—MOTILITY

Microvibration of living organisms. K. P. Ivanov. Priroda 52 no. 4:93-94 '63.

MUSCULAR SENSE

Changes in kinesthesia in patients suffering from chronic alcoholism and their dynamics under the influence of an alcoholic load. N. P. Mogilina. Probl. sud. psikh. no. 12:161-168 '62.

MUSEUMS

(see also subdivision under Alupka; see also 'Art galleries and museums' under Leningrad)

Angelov, G. [People's museums] Narodnye muzei. [Odessa] Odesskoe knizhnoe izd-vo, 1962. 126 p.

Museums aid in organizing a Bird Day. V. P. Gerasimov. Biol. v shkole no. 2:72-74 Mr-Apr '63.

The people are the creators of history. A. Tolstikhina. Kul't.-pros. rab. 23 no. 11:2-4 N '62.

MUSIC

(see also subdivision under Berlin, East; Cuba; Czechoslovakia; France; Japan; Leningrad; Moscow; Poland; Uzbekistan)

Brief news. Sov. muz. 27 no. 1:145-160 Ja '63.

Brief news. Sov. muz. 27 no. 2:145-160 F '63.

Brief news. Sov. muz. 27 no. 3:145-160 Mr '63.

Brief news. Sov. muz. 27 no. 4:145-160 Ap '63.

MUSIC (Continued)

- Let us stop to think, Karen Khachatryan, Sov. muz. 27 no. 3:8-8 Mr '63.
Music around us, N. Dobronravova, Sov. muz. 27 no. 4:20-21 Ap '63.
Our principal concern, O. Taktakishvili, Sov. muz. 27 no. 3:3-5 Mr '63.
We shall sing about a new world! T. Khrennikov, Sov. muz. 27 no. 1:3-6 Ja '63.

MUSIC—ANALYSIS, APPRECIATION

- From our experience, M. Belotserkovskii, Sov. muz. 27 no. 3:98-100 Mr '63.
Give Soviet music the green light! A. Rutshtein, Sov. muz. 27 no. 3:104 Mr '63.
Lecturers should display creative initiative, I. Volynskii, Sov. muz. 27 no. 3:100-101 Mr '63.

Rotterstein, M. L. [Expressive means of music; from the work practices of the people's university of culture in the Sverdlovsk District of Moscow] Vyrashteniye sredstva muzyki; iz opyta raboty narodnogo universiteta kul'tury Sverdlovskogo raiona g. Moskvy, Moskva, Sovetskii kompozitor, 1962, 65 p. (V pomoshch' slushateli narodnykh universitetov kul'tury. Besedy o muzyke)

Some problems in music appreciation [with summary in English], A. G. Kostuk, Vop. psikh. 9 no. 2:45-58 Mr-Apr '63.

Urgent problems, N. Vilenkii, Sov. muz. 27 no. 3:102-103 Mr '63.

We must talk seriously about music, L. Novosel'skaya, Sov. muz. 27 no. 3:103 Mr '63.

MUSIC—BIBLIOGRAPHY see Bibliography—Music

MUSIC—COMPETITIONS see subdivision under Moscow

MUSIC—CONGRESSES

- At the international conference, IU, Kremlev, Sov. muz. 27 no. 2:133-136 F '63.
"Debussy and the development of music in the 20th century," Sov. muz. 27 no. 2:133 F '63.

MUSIC—HISTORY AND CRITICISM

- The discussion continues, A. Sokhor, Sov. muz. 27 no. 3:15-21 Mr '63.
Good luck! N. Zhiganov, Sov. muz. 27 no. 4:15-17 Ap '63.
[Music and our times] Muzyka i sovremenost'; sbornik statei, Moskva, Muzgiz, 1962, 472 p.
Music! Gillette Ziegler, Zhen, mira no. 12:9-12 '62.
Secret of youth, V. Bogdanov-Berezovskii, Sov. muz. 27 no. 4:18-27 Ap '63.
With confidence in goodness and beauty, IU, Korev, Sov. muz. 27 no. 3:8-14 Mr '63.

MUSIC—INSTRUCTION AND STUDY

(see also subdivision under Ufa)

In unbreakable contact with the life of the people, A. N. Liubinskaya, I. M. Nemyria, Vest. vys. shkoly 21 no. 3: 66-68 Mr '63.

Perturbing problems, A. Nikolaev and others, Sov. muz. 27 no. 3:70-74 Mr '63.

Remarks on the training of musicians, D. Tsyganov, Sov. muz. 27 no. 4:72-73 Ap '63.

MUSIC—JUVENILE LITERATURE

Rzankina, T. A. [Composers create for children] Kompozitory - detlam. Leningrad, Sovetskii kompozitor, 1962, 111 p.

MUSIC—PERFORMANCE

- Artistry and skill go together, S. Feinberg, Sov. muz. 27 no. 1:87-89 Ja '63.
We must work in a new way, Sov. muz. 27 no. 3:85-88 Mr '63.

MUSIC—PHILOSOPHY AND AESTHETICS

"A composer's world" (to be continued), P. Hindemith, Sov. muz. 27 no. 4:113-117 Ap '63.

MUSIC, POPULAR (SONGS, ETC.)

- Let's debate and act at the same time, Sov. muz. 27 no. 2:17-25 F '63.
Quests and delusions, D. Kabalevskii, Sov. muz. 27 no. 2:10-16 F '63.

MUSIC, WHITE RUSSIAN—HISTORY AND CRITICISM

Striving for modernity, A. Ladygina, Sov. muz. 27 no. 2:26-30 F '63.

MUSIC, YUGOSLAV—HISTORY AND CRITICISM

Yugoslav music, G. Iudin, Sov. muz. 27 no. 2:86-87 F '63.

MUSIC AS A PROFESSION

On our profession, M. Druskin, Sov. muz. 27 no. 4: 27-31 Ap '63.

MUSIC FESTIVALS see subdivision under Budapest

MUSICAL INSTRUMENTS, CHINESE

Some information on Chinese folk music and musical instruments, M. M. Mykhailov, Nar. tvorch. ta etn. 6 no. 4:108-112 O-D '62.

MUSICAL NOTATION

Kulakovskii, L. V. [How to teach yourself to read notes; musical notation] Kak nauchit'sya chitat' noty; notnaia gramota, 2, Izd. Moskva, Sovetskii kompozitor, 1962, 46 p. (V pomoshch' slushateli narodnykh universitetov kul'tury. Besedy o muzyke)

MUSICIANS

Our friends write about their plans, Bence Szabolcsi and others, Sov. muz. 27 no. 4:135 Ap '63.

MUSICIANS—CORRESPONDENCE, REMINISCENCES, ETC.

"From the archives of Russian musicians," Reviewed by B. Granovskii, Sov. muz. 27 no. 3:136-137 Mr '63.

MUSICIANS, CANADIAN

How we work, L. Marshall, W. Kilburn, Sov. muz. 27 no. 1:94-96 Ja '63.

MUSICIANS, CZECH

Chamber duet from Czechoslovakia, L. Ginzburg, Sov. muz. 27 no. 1:105 Ja '63.

MUSICIANS, FRENCH—CORRESPONDENCE, REMINISCENCES, ETC.

Notes without music (to be continued), Darius Milhaud, Sov. muz. 27 no. 2:114-120 F '63.

Notes without music (conclusion), Darius Milhaud, Sov. muz. 27 no. 3:105-111 Mr '63.

MUSICIANS, POLISH

In memory of our Polish friends, Sov. muz. 27 no. 3: 131 Mr '63.

Polish artists on tour in Moscow, Igor' Bolza, Nadezhda Kazantseva, Sov. muz. 27 no. 3:81-82 Mr '63.

MUSORGSKI, MODEST PETROVICH, 1839-1881

Stanislavskii produces Musorgskii, P. Rumiantsev, Sov. muz. 27 no. 1:68-74 Ja '63.

MUSTAFIN, GABDEN

Gabden Mustafin is 60 years old, Koop. Kazakh. 5 no. 11:56 N '62.

MUTUAL ECONOMIC ASSISTANCE COUNCIL

Communiqué on the 17th session of the Mutual Economic Assistance Council and the third meeting of the Executive Committee of the Mutual Economic Assistance Council, Vneshtorg. 43 no. 3:41-42 '63.

Development of economic cooperation among socialist countries, A. Alekseev, L. Ivanova, Mir. ekon. i mezhdunar. otn. no. 2:27-36 '63.

Economic cooperation of socialist countries, I. Medvedev, Agitator no. 15:7-10 Ag '62.

The most important condition for increasing labor productivity in the industry of socialist countries, V. Gel'bras, Sots. trud. 8 no. 4:11-20 Ap '63.

Trade among the countries participating in the Mutual Economic Assistance Council and prospects for its development, V. Serbielev, Ekon. Rad. Ukr. no. 2: 94-101 Mr-Apr '63.

MUYALDY—BATHS, MOOR AND MUD

Amount of 17-ketosteroids in 24-hour urine during mud therapy of brucellosis patients at the Muysaly Health Resort, A. D. Trug, Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:176-179 '62.
Protein fractions of blood serum during mud therapy of brucellosis patients at the Muysaly Health Resort, A. D. Trug, Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11: 180-184 '62.

MYADEL' DISTRICT—MINERAL WATERS

Vivifying water, P. Tormasov, Belarus' 20 no. 4:24 Ap '63.

MYCOBACTERIUM TUBERCULOSIS

Practices in culturing Mycobacterium tuberculosis in vegetable media, T. S. Kadooshnikova, Trudy Kraev. SKKh 3 no. 1:130-133 '60.

MYIDAE, FOSSIL—CLASSIFICATION

Some problems of the systematics of Mya arenaria L. S. N. Khramova, Trudy VNIIGRI no. 196, Paleont. sbor. no. 3:443-455 '62.

MYKHAILYK, IURII PETROVYCH, 1903-

Commander of a "lone soldier," V. Hovor, Ukraina no. 6:8 Mr '63.

MYOSINS

Quantitative correlations between different fractions of contractile proteins of striated, cardiac and smooth muscles [with summary in English], T. P. Serobrennikova, Biokhimiia 28 no. 1:38-44 Ja-F '63.

MYRMEKITE

Formation of myrmekites in pegmatites, V. A. Dvorkin-Samarskii, I. M. Kozulina, Trudy BKNM no. 7:100-108 '61.

Origin of myrmekites, Zap. Vses. min. ob-va 82 no. 1: 88-103 '63.

MYENTERIC PLEXUS

Origin of neurons in intramural nerve plexuses; early stages of the development of the Auerbach's plexus in the small intestine, B. M. Kichina, Nauch. dokl. vyzhskoly; biol. nauk. no. 2:58-61 '63.

MYSHKIN, IPPOLIT NIKITICH, 1648-1685

I. N. Myshkin's sociopolitical views, V. S. Antonov, Izv. zap. no. 72:63-86 '62.

MYSYK, VASYL' OLEKSANDROVYCH

"Furrows" by V. Mysyk, Reviewed by Petro Morozuk, Ukraina no. 7:19 Ap '63.

NAFTALAN—GEOLOGY

Characteristics of the geology and hydrogeology of the Naftalan deposit, A. G. Askarov, Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:15-21 '60.

NAFTALAN—WATER SUPPLY

Characteristics of the geology and hydrogeology of the Naftalan deposit, A. G. Askarov, Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:15-21 '60.

NAKHICHEVAN A. S. S. R. —FORAMINIFERA, FOSSIL

New Upper Eocene representatives of Almasa in Azerbaijan, D. M. Khalikov, Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefe. no. 0:5-13 '62.

NAKHICHEVAN A. S. S. R. —SILICA

Nature of silica in Oligocene sediments of the Nakhichevan trough, R. F. Dankovtsev, Min. syr'e no. 5:57-65 '62.

NAKHODKA—FISHERIES—LABOR PRODUCTIVITY

Work of a mixed brigade at the Nakhodka fishing port, V. T. Susukhi, Ryb. khoz. 30 no. 4:56-58 '63.

NAMES, GEOGRAPHICAL

(see also subdivision under Pskov Province; Ukraine)

Even the name matters... V. Maslennikov, Mol. boz. no. 2:112 F '63.

Name of the Narodnaya Mountain, the highest peak of the Urals, P. L. Gorciakovskii, Izv. Vses. geog. ob-va 85 no. 1:83 Ja-F '63.

Origin of several geographical names, S. Uzin, Geogr. zhurn. 26 no. 2:26-34 Mr-Apr '63.

Questionnaire for studies on toponymy, B. A. Larin, Uch. zap. LGU no. 287:231-234 '60.

"Ural," B. Kal'man, Uch. zap. LGU no. 287:34-35 '60.

NAMES, GEOGRAPHICAL—CONGRESSES

Conference on the principles of toponymy, E. L. Lubimova, Izv. Vses. geog. ob-va 85 no. 1:102-104 Ja-F '63.

Conference on the problems of onomastics and toponymy, E. L. Lubimova, O. P. Nazarovskii, Izv. AN SSSR, Ser. geog. no. 2:153-159 Mr-Apr '63.

NAMES, PERSONAL

Transliteration of Russian names, patronymics and family names into English, A. S. Kaner, Inostr. im. v shkole no. 1:121-122 Ja-F '63.

NAPHTHALAN

Change in the secretory and motor functions of the stomach during the influence of natural and dimer naphthalen, S. S. Baladzhayeva, Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:52-65 '60.

Effect of naphthalen on the thermoreceptors of the human skin; preliminary report, A. M. Mamedov, Ch. Kh. Agaeva, Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:88-89 '60.

Functional state of the kidneys during the treatment of patients with polyarthritis of various etiology in a health resort and outside it; preliminary report, B. A. Aliev, Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:69-70 '60.

Treatment of some childhood diseases in the health resort of Naftalan [in Armenian with summary in Russian], T. G. Pashaev, E. M. Iagodzinskaya, Azerb. med. zhur. no. 2:43-46 F '62.

Treatment of the causalgia syndrome in traumatic lesions of the peripheral nerves and the effectiveness of naphthalen treatment, A. V. Feizullayev, Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3: 80-88 '60.

Use of naphthalen and a paste made from coniferous needles in treating wounds of soft tissues in irradiated animals, L. I. Abascullova, A. D. Kazarian, Azerb. med. zhur. no. 2:27-34 F '62.

NAPHTHALENE

Condensation of 1-methyl-4-acetylnaphthalene with formaldehyde, V. P. Kravets, O. I. Chervenduk, Ukr. khim. zhur. 29 no. 3:318-321 '63.

NAPHTHALENE CRYSTALS—SPECTRA

Impurity excitation spectra of mixed crystals of isotopic forms of naphthalene, E. F. Sheka, Izv. AN SSSR, Ser. fiz. 27 no. 4:503-509 Ap '63.

NAPHTHENES

Composition of alcohols obtained in liquid phase oxidation of naphthene hydrocarbons. A. N. Bashkurov, A. I. Kistanova. Dokl. AN SSSR 148 no. 4:829-831 F '63.

NARCOTIC ADDICTS see subdivision under United States

NARCOTIC LAWS see subdivision under Turkmenistan

NARODNAYA MOUNTAIN

Name of the Narodnaya Mountain, the highest peak of the Ural. P. L. Gorchakovskii. Izv. Vses. geog. ob-va 95 no. 1:83 Ja-F '63.

NARYN—COOPERATIVE SOCIETIES

First cooperatives in Naryn. I. Tantanbekov. Koop. Kazakh. 5 no. 11:61 N '62.

NATIONAL PARKS AND RESERVES see subdivision under Aral Island; Ukraine

NATIONAL SELF-DETERMINATION see Self-determination, National

NATIONALISM see subdivision under Ukraine

NATIONALITIES

Glorious anniversary. I. P. Kozhukalo, I. P. Talan. Ukr. ist. zhur. 6 no. 2:103-104 Mr-Apr '63.

A meeting dedicated to the 40th anniversary of the formation of the Soviet Union. A. Mannurov. Obshchestv. nauki v Uz. 7 no. 3:53 '63.

Soviet autonomous republics and the surviving traces of nationalism. M. S. Dzhusanov. Ist. SSSR 7 no. 1:3-21 Ja-F '63.

NATROLITE

Liquid and polyphase inclusions in natrolite. A. V. Loshakov. Mat. po min. Kol'. poluot. 2:64-65 '62.

NATURAL HISTORY

(see also subdivision under Barsa-Kel'men Island)
"Animal world and nature of the U.S.S.R." by N. A. Borinski. Reviewed by A. G. Tumilin. Okhr. prir. i zapov. delo v SSSR no. 7:140-149 '62.

Contrasts of March. V. I. Dolgoshov. Priroda 52 no. 3:126-127 '63.

Do you know... Doshk. vosp. 36 no. 3:60 Mr '63.

Green friend of the people. A. Piontkovskiy. Doshk. vykh. 24 no. 3:30 Mr '63.

NATURAL HISTORY MUSEUMS see subdivision under New York (City)

NATURAL RESOURCES see subdivision under Gabon; Voronezh Province

NATURE PHOTOGRAPHY—BIBLIOGRAPHY see Bibliography—Nature photography

NATURE STUDY

Beginning of spring. V. Gornsimov. Doshk. vosp. 30 no. 3:47-49 Mr '63.

Editor's mail. V. Pervushin and others. Shkola i prosv. 7 no. 2:83-86 F '63.

For children about nature. A. Klykov. Doshk. vosp. 36 no. 3:88-89 Mr '63.

Forest finds. I. Gorodetskaya. Doshk. vosp. 30 no. 3:52-54 Mr '63.

Forms for recording phonological observations. K. P. Penderlin. Biol. v shkole no. 2:74-76 Mr-Apr '63.

In the club of young naturalists. M. Levina. Shkola-int. no. 2:40-42 Mr-Apr '63.

Interesting facts from student observations. B. A. Blum. Biol. v shkole no. 2:84-85 Mr-Apr '63.

"Nature study" by M. N. Skatkin. Reviewed by K. N. Blyaginskoy. Nach. shkola 31 no. 3:81-83 Mr '63.

Nature study. Z. Sizenko. Doshk. vosp. 36 no. 2:47-51 F '63.

Nature study in spring. A. V. Zamotneva. Nach. shkola 31 no. 3:48-54 Mr '63.

Observation of nature. Z. Sizenko. Doshk. vosp. 30 no. 3:41-46 Mr '63.

Observations as a basis for nature study. E. Gennings. Doshk. vosp. 36 no. 2:52-55 F '63.

Tree toad in a nature corner. O. B. Sviatkovskii. Biol. v shkole no. 2:85-86 Mr-Apr '63.

We acquaint children with surrounding nature. A. Anokhina. Doshk. vosp. 30 no. 3:40-52 Mr '63.

We acquaint them with nature in a room. R. Vasil'adi, M. Eliseeva. Doshk. vosp. 30 no. 2:59-62 F '63.

Winter phenomena and their observation. A. Piontkovskiy. Doshk. vykh. 24 no. 1:31-33 Ja '63.

NATUROPATHY

Rakhmanov, V. [Without a physician; treatment of diseases by light, air, water, heat, cold, gymnastics, and massage] Bez doktora; lechenie boleznei svetom, vozdukhom, vodoi, teplom, kholodom, gimnastikoi i massazhami. New York, Korshcha, 1950. 94 p. (NBC)

NAUTICAL ASTRONOMY

How to use the M. A. E. [marine astronomical yearbook] interpolation tables in calculating hour angles and the declination of celestial bodies. V. F. D'jakonov. Mor. sbor. 46 no. 5:58-60 My '63.

Increasing the accuracy of measuring the altitude of celestial bodies at sea. I. A. Rabinovich. Mor. flot 23 no. 1:22-24 Ja '63.

Plotting altitude lines of position during changes in the position of a ship. I. U. Terent'ev. Mor. flot 23 no. 1:24 Ja '63.

NAVAL ARCHITECTURE

Significance of the idea of an improved I. G. Bubnov prototype for differential methods of determining the principal dimensions and the displacement of a ship. V. V. Ashik. Sudostroenie 29 no. 4:13-15 Ap '63.

Standardization for every given design. V. F. Karelin. Sudostroenie 29 no. 3:45-47 Mr '63.

NAVAL ARCHITECTURE—BIBLIOGRAPHY see Bibliography—Naval architecture

NAVAL ARCHITECTURE—PATENTS see subdivision under Germany, West

NAVAL DISCIPLINE

The basis of our success lies in a strong discipline. P. R. Dublagin. Mor. sbor. 46 no. 5:23-27 My '63.

NAVAL EDUCATION

Search for new forms of special training of the personnel. V. N. Eddovich. Mor. sbor. 46 no. 5:44-46 My '63.

NAVAL LAW

Legal aspects of the "executive agreement" between the President of the U.S.A. and England on "the exchange of destroyers for naval bases." M. I. Lazarev. Uch. zap. IMO no. 10:149-158 '62.

NAVAL LIBRARIES see Libraries, Naval

NAVIES

(see also subdivision 'Navy' under Russia)
Brief news of foreign navies. Mor. sbor. 46 no. 5:86-89 My '63.

NAVIGATION—COLD WEATHER CONDITIONS

Prolonging the navigation season of the Archangel harbor. M. I. Iakovlev. Biol. tekhn. - ekon. inform. Tekh. upr. Mm. mor. flota 7 no. 4:49-51 '62.

NAVIGATION—STUDY AND TEACHING

"Course in navigation." Vol. 4, by E. G. Glukov. Reviewed by A. P. Andrienko. Mor. sbor. 46 no. 5:94-96 My '63.

NAVUMENKA, IVAN, 1925-

"A pine tree at the side of a road" by Ivan Navumenka. Reviewed by D. Buhaiou. Belarus' 20 no. 3:28 Mr '63.

NAZAROV, MIKHAIL IVANOVICH, 1882-1942

In memory of Mikhail Ivanovich Nazarov; on the 20th anniversary of his death. A. K. Skvortsov. Bot. zhur. 48 no. 2:302-305 F '63.

NEAR EAST—BANKS AND BANKING

Creating national banking systems in countries of the Near and Middle East. G. Prokopenko. Den. i kred. 21 no. 4:73-83 Ap '63.

NEAR EAST—FOREIGN RELATIONS—UNITED STATES

The Suez scenario of Mr. Dulles. B. Marushkin. Mezhdunar. zhizn' 10 no. 5:85-97 My '63.

NEBULAE

New planetary nebula. S. P. Apriamashvili. Astron. tsir. no. 231:25 N '62.

New planetary nebula. S. P. Apriamashvili. Astron. tsir. no. 232:3 D '62.

Peripheral system in the vicinity of ζ Ophiuchi. M. V. Dolidze. Astron. tsir. no. 231:22-23 N '62.

Some groups of emission stars connected with diffuse nebulae. M. V. Dolidze. Astron. tsir. no. 232:22-23 D '62.

Structural features of ring nebulae. M. V. Dolidze. Astron. tsir. no. 232:23-25 D '62.

NECK—SURGERY

Surgical treatment of tuberculous lymphadenitis in the submaxillary region and the neck. A. A. Kononova-Elkova. Stomatologiya 41 no. 5:37-38 S-O '62.

NEFTYANYYE KAMNI REGION—OIL WELL DRILLING, SUBMARINE

Baku. Respublikanskaya nauchno-tekhnicheskaya biblioteka. [Neftyanyye Kamni; bibliographic index to the literature on the offshore petroleum fields in Azerbaijan] Neft'nyye kamni; bibliograficheskiy ukazatel' literatury o morskoy neflianom mestorozhdenii v Azerbaidzhane. Baku, Azerbaidzhanskii in-t nauchno-tekhn. informatsii, 1962. 51 p. [MICROFILM]

NEGLIGENCE, CRIMINAL

Concept of criminal presumption. M. S. Grinberg. Izv. vyz. ucheb. zav.; prav. 6 no. 2:97-105 '62.

NEGROES see subdivision under Brazil

NEIBURG, MARIA FEDOROVNA, 1894-1962

Maria Fedorovna Neiburg obituary. S. V. Melen. Paleont. zhur. no. 1:151-153 '63.

Maria Fridrikhovna Neiburg. Geol. zhur. 23 no. 1:104-105 '63.

NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877

Conference devoted to Nekrasov. Vest. AN SSSR 33 no. 4:116-117 Ap '63.

"Sources of a great poem: N. A. Nekrasov's 'Who can be happy and free in Russia?'" Reviewed by A. F. Kroshkin. Nauch. dokl. vys. shkoly; filol. nauki no. 1:175-179 '63.

NEMATODA see subdivision under Amur River

NEMATODE DISEASES OF PLANTS

Exterminating the root knot nematode in greenhouses. T. G. Efremova. Zashch. rast. ot vred. i bol. 6 no. 11:26 N '61.

NEMIROVICH-DANCHENKO, VLADIMIR IVANOVICH, 1858-1943

"The artist and the revolution; the works of V. I. Nemirovich-Danchenko during the Soviet years" by N. Abalkin. Reviewed by V. Pimenov. Znamia 33 no. 2:222-223 F '63.

NENETS NATIONAL AREA—LIBRARIES

Bringing joy to the people. M. Ardeeva. Bibliotekar' no. 4:20 Ap '63.

NEODYMIUM

Luminescence and forced radiation from glass activated with neodymium. P. P. Feofilov and others. Izv. AN SSSR. Ser. fiz. 27 no. 4:466-472 Ap '63.

NEODYMIUM—ANALYSIS

Determination of neodymium by radiometric titration with halo derivatives of 8-hydroxyquinoline [with summary in English]. B. M. Mar'ianov, V. V. Serebrennikov. Zhur. anal. khim. 18 no. 1:58-60 Ja '63.

NEODYMIUM ALUMINATES

Phase diagram of the system $MgAl_2O_4$ - $NdAlO_3$. N. A. Toropov, N. A. Strazhdinov. Izv. AN SSSR. Khim. nauk no. 2:374-376 F '63.

NEODYMIUM COMPOUNDS

Neodymium hydroxyoxoglycinate and hydroxyoxoalaninate. O. E. Zviagintsev, E. V. Goncharov. Zhur. neorg. khim. 8 no. 3:769-770 Mr '63.

NEON

Use of electron scattering for gas pressure measurement. V. P. Chebotayev. Prib. i tekhn. ekp. 8 no. 2:176-177 Mr-Apr '63.

NEPHELIITE

(see also subdivision under Khibiny; Lovozero Tundras)

Production of cement during the complex treatment of nephelines. S. M. Rolak. Zhur. VKHO 8 no. 2:189-191 '63.

NEREKHTA—BANKS AND BANKING

Executive officer's control over payment operations. A. Balashov. Den. i kred. 21 no. 4:54-55 Ap '63.

NEREKHTA—PAYMENT

Executive officer's control over payment operations. A. Balashov. Den. i kred. 21 no. 4:54-55 Ap '63.

NERVES

Effect of ribonucleic acid on the excitability of a neuromuscular preparation of warm-blooded animals. N. A. Smirnova, V. G. Ovechkin. Nauch. dokl. vys. shkoly; biol. nauki no. 2:101-104 '63.

Phylo- and ontogenetic changes in the soluble proteins of nerve tissue [with summary in English]. I. U. Mendetskii, B. Ruzhitskii. Ukr. biokhim. zhur. 34 no. 5:855-865 '62.

Secreting neurons. A. A. Volkovich. Vest. AMN SSSR 17 no. 12:63-70 '62.

NERVES—SURGERY

Late results of the application of a nerve suture following a combat injury of an extremity [with summary in English]. V. L. Kachaev. Vrach. delo no. 3:71-75 Mr '63.

NERVES—TRANSPLANTATION

Use of fresh nerves for transplantation in elderly patients. P. M. Korzhenko. Trudy Kish. gos. med. inst. 12:93-96 '60.

NERVES—WOUNDS AND INJURIES

Change in the peripheral blood circulation under the influence of mud treatment in lesions of the nerves of the lower extremities, according to oscillographic data. E. I. Manevich. Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 3:104-107 '60.

NERVES, PERIPHERAL—DISEASES

Diagnosis of minor diseases of the lumbosacral region of the peripheral nervous system. M. I. Guitur. Vrach. delo no. 3:148 Mr '63.

Use of vitamin B₆ in some diseases of the peripheral nervous system. A. A. Larosh. Sov. med. 26 no. 1:139-141 Ja '63.

NERVES, PERIPHERAL—SURGERY

Use of threads and fabric from polyamide resins in the surgery of peripheral nerves [with summary in English]. N. B. Chibukmakher, A. M. Tsinkin. Vrach. delo no. 3:75-80 Mr '63.

NERVES, SPINAL

Distribution of succinic dehydrogenase, nucleic acids, and glycogen in the neurons of the spinal ganglia and motoneurons of the spinal cord in the embryos and fetuses of sheep [with summary in English]. I. Bukis. *Izv. AN Latv.SSR* no. 2:105-113 '63.

NERVES, SPINAL—DISEASES

Symptomatic radiculitis. N. I. A. Tatarchuk. *Vrach. delo* no. 3:148-149 Mr '63.

NERVES, SPINAL—INFLAMMATION

Secondary radiculitis and spondylitis deformans. D. S. Cyber-Grits. *Med. sestra* 21 no. 12:9-13 D '62.

NERVOUS EXHAUSTION see Neurasthenia

NERVOUS SYSTEM

Effect of the lack of sleep on some phases of higher nervous activity in man [with summary in English]. N. A. Rokotova and others. *Probl. kosm. biol.* 2:273-286 '62.

Histochemical study of total protein in the elements of the central nervous system of healthy monkeys and in experimental poliomyelitis [with summary in English]. A. M. Amchenkova. *Vop. virus.* 7 no. 6:675-680 N-D '62.

Remote effect of space flights on higher nervous activity and some unconditioned reflexes [with summary in English]. L. D. Luk'ianova and others. *Probl. kosm. biol.* 2:192-205 '62.

Some data on the role of the time factor in the radiation reactions of the central nervous system [with summary in English]. N. N. Livshits and others. *Probl. kosm. biol.* 2:303-313 '62.

NERVOUS SYSTEM—DISEASES

Changes in the nervous system in alcoholism. N. K. Bogolepov, A. A. Rastvorova, T. A. Luzhetskaya. *Probl. sud. psikh.* no. 12:139-152 '62.

Characteristics of vascular reactions in patients with lesions of the central nervous system [with summary in English]. V. N. Maksimova. *Vrach. delo* no. 3:84-86 Mr '63.

Effect of nivaline electrophoresis in some diseases of the nervous system. S. Kircheva and others. *Vop. kur., fizioter., i lech. fiz. kul't.* 28 no. 1:26-30 '63.

Forensic psychiatric evaluation of organic disease of the central nervous system with a recurrent course. R. F. Kokanbeva. *Prak. sudebnopsikh. ekspert.* no. 5:13-20 '61.

"Introduction to clinical neuropathology" by L. I. Omorokov. Reviewed by E. I. Eiselevich. *Kaz. med. zhur.* no. 5:89-90 S-O '62.

Pathomorphological changes in the central nervous system in the hemolytic disease of the newborn. G. S. Zenkevich. *Zdrav. Turk.* 7 no. 2:10-14 F '63.

Pathomorphological studies of the nervous system in alcoholism. I. U. K. Kletskii. *Probl. sud. psikh.* no. 12:194-201 '62.

Rheumatic lesions of the nervous system. I. E. Poliakov. *Med. sestra* 21 no. 11:13-16 N '62.

Rheumatism and the nervous system. A. P. Pressman. *Trudy MONKI* no. 5:35-41 '62.

Treatment of patients with diseases of the peripheral nervous system at Ayak-Kalkan Springs by using mineral water of natural low temperature and mineral water that has been slightly heated. E. A. Kliuchnikova. *Trudy Inst. kraev. pat. AN Kazakh. S. S. R.* 11:88-108 '62.

Tsentral'nyi nauchno-issledovatel'skii institut kurortologii i fizioterapii. [Abstracts of reports presented at the scientific session of the Central Scientific Research Institute of Health Resort Therapy and Physiotherapy in the section "Physiotherapy in diseases of the nervous system." Referaty dokladov na nauchnoi sessii Tsentral'nogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii po razdelu "Fizicheskaya terapiya bo'nykh s zabolevaniyami nervnoi sistemy." Moskva, 28-31 marta 1961 g. Pod red. N. I. Strelkova. Moskva, 1962, 67 p.

[DNLM MICROFILM]

NERVOUS SYSTEM—SYPHILIS

Lesions of the nervous system in patients with infectious forms of syphilis treated by different methods; late results of treatment. Kh. N. Khidyrov. *Med. zhur. Uzb.* no. 8:42-45 Ag '62.

Some problems in the course of neurosyphilis. A. S. Lipmanovich, A. B. Nikhamkin. *Sbor. nauch.-prak. rab. Poliklin. im. F. E. Dzerzh.* no. 2:112-117 '61.

NERVOUS SYSTEM—WOUNDS AND INJURIES

Effect of bromine ion galvanization of the spinal cord in lesions of the pyramidal system. P. M. Efendieva. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech.* no. 3:97-99 '59.

NERVOUS SYSTEM, SYMPATHETIC

Age-related characteristics of the sensitivity of ganglia of the vegetative nervous system with respect to the effect of hexonium [with summary in English]. I. U. K. Duplenko. *Vrach. delo* no. 3:65-71 Mr '63.

NERVOUS SYSTEM, VASOMOTOR

Characteristics of vascular reactions in hypertensives. A. P. Pressman. *Trudy MONKI* no. 5:107-114 '62.

Comparative evaluation of the therapeutic effectiveness of radon coniferous baths, and physical therapy for patients with neuroses in a sanatorium; according to data on a study of the nervous system and vascular reflexes. I. I. Velikanov. *Trudy Inst. kraev. pat. AN Kazakh. S. S. R.* 11:133-160 '62.

NESTEROV, MIKHAIL VASIL'EVICH, 1862-1942

Druzhinin, S. N. Mikhail Vasil'evich Nesterov. Moskva, *Izogiz*, 1962, 14 p. 32 plates. (Masters russkogo iskusstva) (MH)

NEVIZH—DESCRIPTION

Kosach, A. K., and B. A. Khats'ko. [Nesvizh; a brief sketch] *Nesvizh; kraikii ochork.* 2, dop. izd. Minsk, Gosizdat BSSR, 1962, 64 p.

(MH)

NETHERLANDS—FOREIGN ECONOMIC RELATIONS—INDONESIA

Andreev, M. A. [Liquidation of the economic positions of Dutch imperialism in Indonesia] *Likvidatsiya ekonomicheskikh pozitsii gollandskogo imperiializma v Indonezii.* Moskva, Sotsekgiz, 1962, 103 p.

NETHERLANDS—MARITIME LAW

Commercial code of the Netherlands; selected articles. *Inform. sbor. TSNIMF* no. 76, Mor. pravo i prak. no. 17:28-35 '62.

NETHERLANDS—SHIPBUILDING

Dutch-built ships (from foreign journals). *Sudostroenie* 29 no. 4:67-69 Ap '63.

NEUHAUS, WOLFGANG

"Stolen youth" [translated from the German] by W. Neuhaus. Reviewed by V. Slezhenskii. *Mol. komm.* no. 7:122-125 Ji '62.

NEURALGIA, TRIGEMINAL

Treatment of the trigeminal nerve neuralgia by alcoholization of its peripheral branches. A. A. Akhmedov. *Azerb. med. zhur.* no. 2:55-60 F '62.

NEURAMINIC ACID

Differential diagnosis between chronic tonsillogenic intoxication and latent rheumatic fever in children according to the level of sialic acid in the blood serum. R. M. Shkirzhanova. *Kaz. med. zhur.* no. 5:40-41 S-O '62.

NEURASTHENIA

Acupuncture as treatment of neurasthenia patients. S. V. Bazanova. *Vrach. delo* no. 3:146-147 Mr '63.

NEURITIS

Injury of the peripheral nervous system in diabetes mellitus (diabetic polyneuritis). A. S. Lipmanovich. *Sbor. nauch.-prak. rab. Poliklin. im. F. E. Dzerzh.* no. 2:105-111 '61.

NEUROCHEMISTRY—CONGRESSES

Fifth International Symposium on Neurochemistry. G. Kh. Buniatian. *Ukr. biokhim. zhur.* 34 no. 6:796-799 '62.

Third All-Union Conference on the Biochemistry of the Nervous System. A. M. Utevkii. *Ukr. biokhim. zhur.* 34 no. 5:791-796 '62.

NEUROSES

Chizmadzhan, T. A. [Some problems of the clinical aspect and the therapy of neuroses with a pronounced cardiovascular syndrome] *Nekotorye voprosy kliniki i terapii nevrozov s vyrazhennym serdечно-sosudistym sindromom.* Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962, 56 p.

(DNLM)

Comparative evaluation of the therapeutic effectiveness of radon coniferous baths, and physical therapy for patients with neuroses in a sanatorium; according to data on a study of the nervous system and vascular reflexes. I. I. Velikanov. *Trudy Inst. kraev. pat. AN Kazakh. S. S. R.* 11:133-160 '62.

Davidenko, S. N. [Neuroses] *Nevrozy.* Leningrad, Medgiz, 1963, 269 p.

(DNLM)

NEUTRINOS

Two neutrinos. D. Volkov. *Nauka i zhytlya* 12 no. 2:16-17 F '63.

NEUTRON SPECTROMETERS

Neutron-spectroscopic study of nuclear levels. Part 1: Neutron cross sections in molybdenum isotopes in the 7000-15000 ev. energy range [with summary in English]. M. I. Pevzner and others. *Zhur. eksp. i teor. fiz.* 44 no. 4:1187-1194 Ap '63.

NEUTRONS

Determining the moisture content of peat by the neutron method discussed by N. I. Skvortsova and I. A. E. Chudars. M. P. Volarovich, N. V. Churaev. *Inzh.-fiz. zhur.* 6 no. 3:124-126 Mr '63.

Diffusion of slow neutrons through liquid oxygen. S. V. Starodubtsev, B. I. Khrushchev. *Izv. AN Uz. SSR, Ser. fiz.-mat. nauk* 7 no. 1:51-55 '63.

Reaction of neutron transfer by the Be^9 nucleus [with summary in English]. S. N. Shumilov. *Zhur. eksp. i teor. fiz.* 44 no. 4:1199-1203 Ap '63.

Spin-lattice relaxation in neutron-irradiated quartz. I. A. L. Shumilov, T. A. Smirnova. *Fiz. tver. tela* 5 no. 4:1046-1049 Ap '63.

Total cross section of neutron-neutron interaction at an energy of 0.3 Bev. M. N. Khachatryan, V. S. Panchov. *Zhur. eksp. i teor. fiz.* 44 no. 4:1411-1412 Ap '63.

Transmutative function of a two-rotor neutron beam chyp. V. P. Veretnyy, V. V. Koloty, *Prib. i tekhn. eksp.* 8 no. 2:165-167 Mr-Apr '63.

NEUTRONS—SCATTERING

Determining the amplitude of coherent scattering of thermal neutrons on yttrium nuclei. I. U. S. Kuz'mits and others. *Kristallografiya* 7 no. 6:948-949 N-D '62.

Effect of spin-phonon interaction on one-quantum scattering of slow neutrons in ferrites. V. N. Kashcheev. *Fiz. tver. tela* 5 no. 3:909-920 Mr '63.

Effect of spin-spin interaction on slow neutron scattering in ferrites. V. N. Kashcheev. *Fiz. tver. tela* 5 no. 3:865-871 Mr '63.

Inelastic scattering of slow neutrons in substances with a spiral magnetic structure. V. G. Bar'yaktar, S. V. Muleev. *Fiz. tver. tela* 5 no. 4:1175-1180 Ap '63.

Neutron scattering on crystals with impurity nuclei and the problem of reconstructing the vibrational spectrum [with summary in English]. I. U. Kagan, I. A. Iosilevskii. *Zhur. eksp. i teor. fiz.* 44 no. 4:1375-1395 Ap '63.

Scintillation detector for recording scattered neutrons. L. B. Pikel'man and others. *Prib. i tekhn. eksp.* 8 no. 2:51-54 Mr-Apr '63.

Theory of quasi-elastic scattering of cold neutrons in a liquid. V. S. Onitskii. *Fiz. tver. tela* 5 no. 4:1082-1085 Ap '63.

NEVIZHIN, IVAN ANDREEVICH, 1897-1963

I. A. Nevzhin; obituary. *Mos. ind. SSR* 33 [i.e. 34] no. 2:63 '63.

NEW GUINEA—ETHNOLOGY

Origin and structure of the aboriginal population of New Guinea. N. A. Butinov. *Trudy Inst. etn.* 80:107-169 '62.

NEW GUINEA—PAPUANS

Kinship systems among the Papuans of New Guinea. I. U. Likhtenberg. *Trudy Inst. etn.* 80:190-199 '62.

NEW YORK (CITY)—BALLET

At great performances. I. Kuznetsova. *Sov. muz.* 27 no. 1:42-51 Ja '63.

New York City Ballet in Moscow. E. Surits. *Teatr* 24 no. 3:136-142 Mr '63.

The New York City Ballet in Moscow. G. Balanchine. *Sov. muz.* 27 no. 1:40-42 Ja '63.

NEW YORK (CITY)—NATURAL HISTORY MUSEUMS

"The depths of the ocean" by D. I. Shcherbakov. Reviewed by V. Naush. *Geog. v shkole* 26 no. 2:90-91 Mr-Apr '63.

NEWS AGENCIES see subdivision under United States

NEWSPAPER AND PERIODICAL CIRCULATION (see also subdivision under Kiev)

What is behind a receipt? I. Matveeva. *Komsom. zhizn'* no. 6:31-32 Mr '63.

NEWSPAPER PUBLISHING

Daily work of a newspaper plant. I. Vinokurov. *Poligr. prozv.* no. 3:26-27 Mr '63.

NEWSPAPERS

Mighty weapons of control. Part. *zhizn'* no. 8:75-77 Ap '63.

NEZHIN DISTRICT—COLLECTIVE FARMS—INCOME DISTRIBUTION

On the correct relationship between collective farm income and wages. V. Mashenkov. *Ekon. sel'khoz.* 34 no. 3:74-78 Mr '63.

NICKEL

Synthesis and investigation of the characteristics of nickel titanates and mixed nickel-titanium pigments. N. S. Rassudova and others. *Lakokras. mat. i kh. prim.* no. 2:25-28 '63.

NICKEL—ANALYSIS

Interrelation of nickel and pyrrhotite in sulfide copper-nickel ores. N. N. Maslonskii, E. T. Leonchenkova. *Obog. rud* 7 no. 2:21-23 '62.

NICKEL—METALLURGY

Changes in the composition of the charge mixture along the height of a stack furnace for nickel smelting with a blow containing 40-percent oxygen. N. G. Moleva, P. S. Kusakina, S. V. Ivanova. *TSvet. met.* 36 no. 4:38-40 Ap '63.

Selecting a sulfidizer for the shaft furnace smelting of oxidized nickel ores. B. N. Zakharov. *TSvet. met.* 36 no. 4:41-44 Ap '63.

Treatment of iron nickel ore in a converter by top blow of oxygen. S. P. Kormil'syn and others. *Biol. tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 3:3-5 '63.

NICKEL—WELDING

Welding nickel with low-carbon and stainless steels. K.V. Bagrianski, G.S. Kuz'min, N.N. Tokil, Avtom. svar. 18 no.3:70-72 Mr '63.

NICKEL-BERYLLIUM ALLOYS see Beryllium-nickel alloys

NICKEL-CHROMIUM-IRON ALLOYS see Iron-nickel-chromium alloys

NICKEL COMPOUNDS

Diaminosulfate and diaminosulfite complex compounds of nickel. J.V. Gogorishvili, T.V. Chkonina, D.A. Akhobadze, Trudy Inst. khim. AN Gruz. SSR 16:3-8 '62.

NICKEL FERRATES

Anomalies of an ΔE -effect in nickel ferrite. V.N. Kuznetsov, Fiz. met. i metalloved. 15 no.3:470-480 Mr '63.

NICKEL-IRON ALLOYS see Iron-nickel alloys

NICKEL ISOTOPES

Elastic scattering of 4.2 Mev. protons on nickel isotopes [with summary in English]. V.IA. Golovina and others, Zhur. eksp. i teor. fiz. 44 no.4:1104-1108 Ap '63.

NICKEL-MANGANESE ALLOYS

Recrystallization of solid solutions nickel - manganese. D.N. Gongadze, I.T. Bokuchava, Trudy GPI [Gruz.] no.6:123-129 '61.

NICKEL-MANGANESE ALLOYS—THERMAL PROPERTIES

Heat capacity of alloys in the system Ni - Mn in the 13 - 300° K. temperature range. N.V. Volkenshtein, I.U.N. Tsiolkvin, Fiz. met. i metalloved. 15 no.3:405-467 Mr '63.

NICKEL-MOLYBDENUM ALLOYS—THERMAL PROPERTIES

Effect of various atomic defects on the kinetics of the formation of the K-state in nickel-molybdenum alloys. L.A. Kudryavtseva and others, Fiz. met. i metalloved. 15 no.3:451-455 Mr '63.

NICKEL ORES

Distribution of sulfide copper-nickel deposits. I.A. Korovin, Min. syr'ye no.5:20-25 '62.

NICKEL-ZINC FERRATES—THERMAL PROPERTIES

Thermal conductivity of nickel zinc ferrates in the 20°-400°C temperature range. L.A. Pomenko, V.A. Shchelkotunov, V.L. Suchivko, Fiz. tver. tela 5 no.3:874-882 Mr '63.

NIDZHASU VALLEY—VOLCANIC ASH, TUFF, ETC.

Trasses in the Nidzhasu basin. A.A. Alizade, Izv. AN Azerb. SSR, Ser. geol. - geog. nauk i noll no.6:85-92 '62.

NIGER—ECONOMIC CONDITIONS

Republic of Niger. N. Pykhunov, Vnesh. torg. 43 no.3:22-27 '63.

NIGHT SKY

Intensity variations and spatial distribution of the A 6562Å III emission in night sky radiation [with summary in English]. L.M. Fishkova, Biul. Abast. astrofiz. obsor. no.20:77-81 '62.

OH rotational temperature of the upper atmosphere [with summary in English]. L.M. Fishkova, Biul. Abast. astrofiz. obsor. no.20:55-70 '62.

Variations in the ultraviolet solar radiation and the excitation of emissions in the spectrum of twilight luminescence. B.V. Kononovich, N.N. Shefov, Geomag. i aer. 3 no.1:3-9 Ja '63.

NIGHTINGALES see subdivision under Berezina Valley

NIKOLAEV, A.

Agitation of youthful forces. V. Bobrovskii, Sov. muz. 27 no.3:22-23 Mr '63.
Concert of works by S. Gubaidullina and A. Nikolaev. R. Shaverdian, Sov. muz. 27 no.3:70-80 Mr '63.

NIKOLAEV, GEORGI ALEKSANDROVICH, 1903-

Anniversary celebrations for a Soviet scientist. Avtom. svar. 16 no.2:98 F '63.

NIKOLAYEV (UKRAINE)—BRIDGES—DESIGN AND CONSTRUCTION

Assembly of bridge spans over the Southern Bug River. L.G. Kareli, N.K. Sarychev, A.L. Fronkel', Transp. stroit. 13 no.4:13-18 Ap '63.

NILOLAYEV (UKRAINE)—SHIPBUILDING WORKERS

The Fedotova from Koval'ska Street. Borys Sylin. Ukraina no.6:8 Mr '63.

NIKOPOL—ROLLING MILLS

How a party group is struggling for communist labor. N. Mikhailov, Komm. Ukr. 36 no.3:85-88 Mr '63.

NIKOPOL' REGION—MANGANESE ORES

Beneficiation of lean manganese ores of the Nikopol' Basin. S.F. Shinkorenko, M.Kh. Timofeeva, Obog. rud. 7 no.4:11-14 '62.

NIKOPOL' REGION—MANGANESE ORES—ANALYSIS

Phosphorous content of Nikopol' deposit manganese ores. I.A. I. Fomina, Obog. rud. 7 no.3:13-24 '62.

NIKOPOL' REGION—MINE DRAINAGE

Replies to the article by V.I. Pechkovskii, A.A. Chernogov, and A.A. Nechitalo "Expedient means of draining the pit areas of the Nikopol' manganese basin." P.N. Artukhiov, G.V. Stefanovskii, A.A. Popov, Gor. zhur. no.3:71-73 Mr '63.

NILE VALLEY—EXCAVATIONS (ARCHAEOLOGY)

Excavations on the shores of the Nile River. N. Merpert, Nauka i zhizn 30 no.1:60-64 Ja '63.

NILE VALLEY—SOILS

Soils in the lower Nile Valley. G. Fakhrul. Nauch. dokl. vyssh. shkoly; biol. nauki no.2:184-191 '63.

NILSEN, EVGENII ALEKSANDROVICH, 1872-

Evgenii Aleksandrovich Nil'sen; on his 90th birthday. S.IA. Trotsenko, Vop. kur., i fizioter. i lech. fiz. kul't. 28 no.1:90-91 '63.

NIOBIUM—ANALYSIS

Extraction-photometric determination of niobium by means of lumogallion [with summary in English]. I.P. Alimarin, Khan' Si-i [Han Hsi-i], Zhur. anal. khim. 18 no.1:82-87 Ja '63.

On the luminescence determination of uranium, cerium, and niobium [with summary in English]. A.M. Ushakova, Zhur. anal. khim. 18 no.1:79-81 Ja '63.

NIOBIUM—METALLOGRAPHY

Kinetics and the mechanism of niobium oxidation. D.A. Prokoshkin, E.V. Vasil'eva, Trudy Inst. met. no.13:143-151 '63.

Niobium substructure deformed by filing. A.A. Barabeko, Tao TSzu-tsun [T'ao Tzu-tung], Fiz. met. i metalloved. 15 no.3:405-409 Mr '63.

NIOBIUM—SPECTRA

Effect of phosphomolybdate on the spectral determination of niobium and tantalum [with summary in English]. K.A. Semonenko, N.I. Tarasevich, Zhur. anal. khim. 18 no.1:88-92 Ja '62.

NIOBIUM—THERMAL PROPERTIES

Vacancy formation in niobium. I.A. Kraftmakher, Fiz. tver. tela 5 no.3:950-951 Mr '63.

NIOBIUM CARBIDES

Conditions of the formation of niobium oxycarbides. G.P. Shvelkin, P.V. Gel'd, S.I. Alimovskii, Zhur. neorg. khim. 8 no.3:689-696 Mr '63.

NIOBIUM COMPOUNDS

Kinetics of oxidation of iodine ions by hydrogen peroxide in the presence of niobium compounds. K.B. Iatsimirskii, V.I. Skuratov, Zhur. neorg. khim. 8 no.3:573-577 Mr '63.

Study of the state of niobium in alkaline and hydrochloric solutions by the dialysis method. G.I. Gridchina, Zhur. neorg. khim. 8 no.3:634-640 Mr '63.

NIOBIUM COMPOUNDS—SPECTRA

Spectrophotometric investigation of the formation of niobium compounds with the arsenazo reagent. V.I. Kornilova, T.N. Nazarchuk, Ukr. khim. zhur. 29 no.3:330-335 '63.

NIOBIUM-TITANIUM-ZIRCONIUM ALLOYS—METALLOGRAPHY

Investigating the oxidation of niobium-titanium-zirconium alloys. D.A. Prokoshkin, E.V. Vasil'eva, A.M. Riabyshev, Trudy Inst. met. no.13:157-162. '63.

NIOBIUM-VANADIUM ALLOYS—METALLOGRAPHY

Investigating the oxidation of niobium-vanadium alloys. D.A. Prokoshkin, E.V. Vasil'eva, Trudy Inst. met. no.13:152-159 '63.

NITRATIA see subdivision under Karaganda Province

NITRATES

Reaction of phosphoric acid with aluminum, iron, and lanthanum nitrates. I.S. Rassonskaia, I.A.S. Shenkin, V.A. Klevke, Zhur. neorg. khim. 8 no.3:617-621 Mr '63.

NITRATION

Mechanism of the nitration of haloolefins with a nitrating mixture. I.V. Martynov, I.U. L. Krugliak, Zhur. VKHO 8 no.2:237-238 '63.

Nitration reaction of complex iridium chlorides. G.S. Muravelskaia, I.I. Cherniaev, V.F. Sorokina, Zhur. neorg. khim. 8 no.3:578-582 Mr '63.

Preparation of fluorinated α -nitrocarboxylic acids. I.V. Martynov, I.U. L. Krugliak, Zhur. VKHO 8 no.2:237 '63.

NITRIDES

Preparation and properties of lanthanum nitride. M.D. Lutaia, G.V. Samsonov, Ukr. khim. zhur. 29 no.3:251-255 '63.

NITROBENZENE

Electric conductivity of some aminates of trivalent thallium in nitrobenzene solutions. F.IA. Kul'sha and others, Zhur. neorg. khim. 8 no.3:672-675 Mr '63.
Reduction of nitrobenzene and nitrocyclohexane in the presence of a tin catalyst. M.F. Abdova and others, Uzb. khim. zhur. 7 no.1:60-65 '63.

NITROGEN

Composition of the nitrogen substances in Georgian wines. G.I. Beridze, M.G. Sirbiladze, Blokhim. vin. no.7:102-118 '63.

Dynamics of nitrogen substances during the fermentation of grape must and aging of new wine. V.I. Zinchenko, Blokhim. vin. no.7:58-73 '63.

Nature of the changes occurring in the nitrogen substances of wine during its sherrization. G.G. Agabaliants, P.F. Ivlev, Trudy KIPP no.22:299-303 '61.

Utilization of nitrogen sources by anaerobic cellulose bacteria. H.O. Nikitin, Vysnyk Kyiv. un. no.3, Ser. biol. no.1:92-96 '60.

Ways of increasing the availability of peat nitrogen to plants. Z.D. Ozolina, G.M. Blinova, Torf. prom. 40 no.2:22-25 '63.

NITROGEN—ACOUSTIC PROPERTIES

Propagation of ultrasonic waves in compressed nitrogen. A.A. Glinskii, Prim. ul'trakust. k issl. veshch. no.16:131-138 '62.

NITROGEN—FIXATION

Atmospheric nitrogen fixation in vitro by enzymatic preparations isolated from the nodules of legumes and from higher plants not infected with bacteria. F.V. Turchin, Z.N. Berseneva, G.G. Zhidkikh, Dokl. AN SSSR 149 no.3:731-734 Mr '63.

NITROGEN COMPOUNDS

Results of the proceedings of the conference on five-membered nitrogen heterocycles. A.M. Simonov, A.F. Pozharikit, A.D. Garnovskii, Zhur. VKHO 8 no.2:219-221 '63.

NITROGEN FERTILIZERS see subdivision under Europe, Western

NITROGEN FLUORIDES

Chemistry of some inorganic nitrogen fluorides. A.V. Penkratov, Usp. khim. 32 no.3:336-353 Mr '63.

NITROGEN METABOLISM

Data on the intensity of N^{15} incorporation into the amide group of the glutamine of skeletal muscle in atrophy of various origin [with summary in English]. H.I. Sytkova, H.P. Trush, Ukr. biokhim. zhur. 34 no.5:702-714 '62.

Effect of nutrition conditions on the growth of and nitrogen accumulation by fodder beans sown together with corn. M.M. Gukova, R.I. Bogomolova, Dokl. AN SSSR 149 no.3:725-727 Mr '63.

Effect of some trace elements on the nitrogen balance and productivity of silkworm caterpillars [with summary in English]. E.E. Shakhbazova, Ukr. biokhim. zhur. 34 no.5:694-701 '62.

Some characteristics of nitrogen metabolism in the tea plant. G.P. Serenkov, Biokhim. chain. protzv. no.9:27-32 '62.

NITROGEN OXIDES

Action of nitrogen dioxide on perfluorobutylene. I.L. Kruniants and others, Zhur. VKHO 8 no.2:239-240 '63.

Oxidation of cellulose by nitrogen dioxide. Part 1: Study of cellulose reactions by means of the adsorption balance [with summary in English]. I. Rusznak, D. Leval, M. Toth, Vysokom. soed. 5 no.3:449-452 Mr '63.

NITROGLYCERIN

Glow of the low-velocity detonation front in nitroglycerin. G.S. Sosnova, I.M. Voskoboinikov, A.V. Dubovik, Dokl. AN SSSR 149 no.3:642-643 Mr '63.

NITROSATION

Nitroschlorination of olefins and their derivatives by an ionic mechanism. Anomalous addition to chloroethylenes. A.I. Titov, Dokl. AN SSSR 149 no.3:619-622 Mr '63.

NITROUS OXIDE

Analgesic anesthesia with nitrous oxide in minor gynecological operations. I.U. M. Bloshanskii and others, Sov. med. 26 no.1:116-120 Ja '63.

NIZHNYAYA SALDA REGION—FOREST RESERVES

Nizhnyaya Salda Siberian pine reserve. G.K. Basuev, Trudy Ural. lesotekh. inst. no.17:121-122 '60.

NIZHNEGORSKIY DISTRICT—COLLECTIVE FARMS—FINANCE

We are helping collective farmers to organize their finances. B. Valentinov, Fin. SSSR 37 no.4:66-68 Ap '63.

NIZHNEYE IVKINO—MINERAL WATERS

Nizhneye Ivkino springs. A.N. Kiksheva, Priroda 52 no.3:78-79 '63.

- NIZHNIY NOVGOROD GOVERNMENT—EFFICIENCY, INDUSTRIAL**
Some forms of the "movement of efficiency promoters" in Soviet industry in the early phase of the first five-year plan; based on the materials of the Nizhny Novgorod Government. A. M. Lopatin. Trudy GPI 16 no. 3:31-46 '60.
- NIZHNIY NOVGOROD GOVERNMENT—REVOLUTION, 1917-1921**
Work of the Committee of War and the Revolution in the Nizhny Novgorod Government in 1918. V. F. Arzhanova. Trudy GPI 16 no. 3:70-83 '60.
- NIZHNIY TAGIL—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION**
Following the example of builders in Lugansk. V. Gurin. Na stroi. Ros. 4 no. 4:7-8 Ap '63.
- NIZHNIY TAGIL—IRON AND STEEL WORKERS—EDUCATION AND TRAINING**
Acquiring second occupations in a metallurgical combine. L. Popov, TS. Kats. Sots. trud 8 no. 4:56-58 Ap '63.
- NIZHNIY TAGIL—METALLURGICAL PLANTS**
Maturity test. Viktor Sak. Smena 40 no. 9:2 of cover, 1-3 My '63.
- NOISE CONTROL**
Noise controlling properties of ship hull structures. I. I. Bugalepov. Sudostroyeniye 20 no. 4:6-9 Ap '63.
Protection of residential area from traffic noise. E. A. Barkova. Probl. sov. gradostro. no. 10:117-125 '63.
- NON-EUCLIDEAN GEOMETRY** see Geometry, Non-Euclidean
- NONFERROUS ALLOYS—TESTING**
Presniakov, A. A. [Physical nature of plasticity anomalies in metal alloys] Fizicheskaya priroda anomalii plastichnosti u metallicheskih spлавov. Otv. red. I. G. Grigman. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963, 63 p.
- NONFERROUS METAL INDUSTRIES—CONGRESSES**
All-Union Scientific Technological Conference on new methods of complete processing of complex metal ores. K. V. Sushkov. TSvet. met. 36 no. 4:87-89 Ap '63.
Second All-Union Conference on Rhenium. M. A. Tytkina, E. B. Povarova. TSvet. met. 36 no. 4:92-93 Ap '63.
Technical Conference at the Altyr-Topkan Combine. O. B. Klebanov. TSvet. met. 36 no. 4:89-91 Ap '63.
- NONFERROUS METALS**
Depression of zinc blende during the flotation of complex metal ores. I. N. Shorshor. Obog. rud 7 no. 2:17-18 '62.
Filtering the products of the dressing of nonferrous and precious metal ores. G. A. Finkel'shtein, L. A. Shilova. Obog. rud 7 no. 6:36-40 '62.
- NONFERROUS METALS—BIBLIOGRAPHY** see Bibliography—Nonferrous metals
- NONFERROUS METALS—CONGRESSES**
Thirteenth Meeting of the Permanent Committee of the Mutual Economic Assistance Council on Nonferrous Metallurgy. TSvet. met. 36 no. 4:93 Ap '63.
- NONFERROUS METALS—METALLURGY**
Increasing the technical and economic indices of the melting process of loose and briquetted chips in electric furnaces. I. A. F. Shabashov, K. P. Lebedev. TSvet. met. 36 no. 4:84-87 Ap '63.
Work of thickeners in nonferrous metal plants. G. A. Finkel'shtein, L. A. Shilova. Obog. rud 7 no. 3:53-56 '62.
- NONFERROUS METALS—TESTING**
Metal life under the effect of steady and alternating stresses. I. E. Kurov, V. A. Stepanov. Fiz. met. i metalloved. 16 no. 3:419-427 Mr '63.
- NONWOVEN FABRICS**
(see also subdivision under Germany, East)
Mertvishchev, I. I. [Use of synthetic fibers in the felt industry] Ispol'zovanie iskusstvennykh volokon v viall'no-voilochnoi promyshlennosti. Moskva, Rostekhtizdat, 1963, 115 p.
Nonwoven glued filter materials. E. T. Ustinova, V. N. Nebarov, K. V. Rybakov. Tekst. prom. no. 2:85-89 F '63.
Utilization on a large scale of the new, highly effective technology of textile manufacture. G. I. Plukovskii. Tekst. prom. no. 2:70-72 F '63.
- NORBORNANEDICARBOXYLIC ANHYDRIDE**
Methyl-1, 2, 3, 6-tetrahydro-3, 8-endo-methylenephthalic anhydride as a hardening agent for epoxide resins. I. L. Parbuzine and others. Plast. massy no. 4:12-13 '63.
- NORIL'SK**
Beyond the 68th parallel. I. Genik. Za rul. 20 no. 5:14 My '62.
- NORIL'SK REGION—COAL GEOLOGY**
Increase of the sorption activity of coals of the Noril'sk deposit caused by an ore-bearing intrusion. I. L. Ettinger, N. G. Matvienko, V. V. Shershukov. Dokl. AN SSSR 148 no. 4:926-928 F '63.
- NORIL'SK REGION—EARTH—SURFACE**
Study of the crustal subsurface geology of the northwestern margin of the Siberian Platform by registering commercial blasts in the Noril'sk combine. I. U. G. Kiselev. Trudy NIIGA 132:200-203 '62.
- NORIL'SK REGION—ENGINEERING GEOLOGY**
Conditions in the Noril'sk mining region from the point of view of engineering geology. B. S. Pavlov. Vop. gidrogeol. i inzh. geol. no. 20:62-65 '62.
- NORIL'SK REGION—SEISMIC PROSPECTING**
Study of the crustal subsurface geology of the northwestern margin of the Siberian Platform by registering commercial blasts in the Noril'sk combine. I. U. G. Kiselev. Trudy NIIGA 132:200-203 '62.
- NORTH ATLANTIC REGION—CLIMATE**
Fluctuation of climate in the North Atlantic region. L. G. Polozova. Izv. AN SSSR, Ser. geog. no. 2:79-87 Mr-Ap '63.
- NORTH ATLANTIC TREATY ORGANIZATION**
Bonu; policy of blackmail and aggression. P. Kriukov, V. Multin. Mezhdunar. zhizn' 10 no. 5:14-22 My '63.
The nuclear force of NATO is a dangerous venture. N. Talenskii. Mezhdunar. zhizn' 10 no. 5:30-35 My '63.
What is the "NATO nuclear force"? M. Kobrin. Nov. vrem. 20 no. 19:30-31 My '63.
- NORTH ATLANTIC TREATY ORGANIZATION—ARMED FORCES**
Danov, G. P. [General Housinger's dreams] Chto snitsia generalu Kholzingaru. Moskva, Gospolitizdat, 1962, 30 p.
- NORTH KAZAKHSTAN PROVINCE—COOPERATIVE SOCIETIES**
So that everybody would become a shareholder. N. Kuz'min. Koop. Kazakh. 5 no. 11:41-42 N '62.
- NORTH KAZAKHSTAN PROVINCE—PRODUCE TRADE**
The procurement officer rides across the farm. R. Tamarina. Koop. Kazakh. 5 no. 12:42-43 D '62.
- NORTH KAZAKHSTAN PROVINCE—STATE FARMS**
Initiative of a state farm party organization. B. Karymbaev. Part. zhizn' Kazakh. 33 no. 3:48-50 Mr '63.
- NORTH KAZAKHSTAN PROVINCE—TRANSPORTATION, AUTOMOTIVE—FREIGHT**
Masters of virgin-land roads. I. Maev, V. Akhmetov. Koop. Kazakh. 5 no. 12:36-38 D '62.
- NORTH KOREA** see Korea, North
- NORTH OSSETIA** see Ossetia, North
- NORTHEAST PASSAGE**
Two exploits of "Sibirskiy". E. Suzlumov. Mol. komm. no. 7:110-111 Ji '62.
- NORTHERN CAUCASUS** see Caucasus, Northern
- NORWAY—COMMERCIAL POLICY**
Groundless hopes. V. Koshentsovskii. Mir. ekon. i mezhdunar. otn. no. 2:97-99 '63.
- NORWAY—DESCRIPTION AND TRAVEL**
Fish, G. S. [Norway is next door] Norvegiia riadom. Moskva, Sovetskii pisatel', 1963, 475 p.
- NORWAY—POLITICS AND GOVERNMENT**
Norwegian law on pilotage of April 9, 1948; with amendments of March 6, 1953 and June 17, 1953; selected articles. Inform. sbor. TSNIIMF no. 76. Mor. pravo. i prak. no. 17:35-40 '62.
- NOSE—ABNORMALITIES AND DEFORMITIES**
Volachek, V. I. [Rhino-orthosis; methods for the correction of structural defects of the nose] Rinortoz; sposoby ustraneniia strukturnykh defektov nosa. Leningrad, Medgiz, 1963, 94 p. (DNLM)
- NOSE—MICROBIOLOGY**
Rhinoscopy by G. T. Pavlovskii's method for the diagnosis of viral influenza; preliminary report. G. A. Zmechorskaya. Lab. delo 9 no. 3:41-44 Mr '63.
- NOTARIES**
(see also subdivision under Kiev; Lugansk Province; Ukraine)
Extending the notarial functions of the executive committees of rural soviets. D. Kyseluk. Red. pravo no. 3:128 My-Je '62.
- NOVGOROD—CHURCHES**
Semenov, A. I. [The Cathedral of St. Sophia is the oldest historical monument in Novgorod] Soiskli sobor - drevneishii istoricheski pamiatnik Novgoroda. [Novgorod] Novgorodskaya pravda, 1962, 29 p. (NJP)
- NOVGOROD—SILVER**
Silver "grivnas" [ancient silver monetary units] from Novgorod. A. F. Medvedev. Sov. arkheol. 7 no. 2:107-120 '63.
- NOVGOROD PROVINCE—CHILDREN—INSTITUTIONAL CARE**
There are no complaints. I. Kulikova. Mol. komm. no. 11:68-72 N '62.
- NOVGOROD PROVINCE—ICONS**
A new landmark of Novgorodian painting from the 13th century. A. Kostova. Soob. Gos. Erm. no. 23:18-21 '62.
- NOVOCAINE**
Degree of effectiveness of the Lorin-Epstein novocaine block in acute renal colic; second report [in Armenian with summary in Russian]. A. N. Teirov, N. M. Khaziev. Azerb. med. zhur. no. 2:49-55 F '62.
Treatment of chronic coronary insufficiency by intrasternal administration of novocaine [with summary in English]. G. S. Tikhonovich, E. I. Zaitseva. Kardiologia 2 no. 3:84-86 My-Je '62.
- NOVOCHERKASSK—AUTOMOBILE DRIVERS—EDUCATION AND TRAINING**
Closer to production. B. Baranov. Avi. transp. 41 no. 3:80-81 Mr '63.
- NOVOCHERKASSK—ELECTRIC LOCOMOTIVES—STANDARDS**
Standardization at the Novocherkassk Electric Locomotive Plant. M. V. Karsin. Standartizatsia 27 no. 4:42-43 Ap '63.
- NOVOCHERKASSK—RESTAURANTS, LUNCHROOMS, ETC**
A day with Nina Markovna Chudotvorova. M. Epshteln. Obshchestv. pit. no. 2:22-20 F '63.
- NOVOGRUDOK—CUT GLASS**
Cut glass goblet from Novogrudok. F. D. Gurevich. Sov. arkheol. 7 no. 2:243-246 '63.
- NOVOKUYBYSHEVSK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION**
Rapid construction of a polyethylene complex. I. U. Fan'ko. Na stroi. Ros. 4 no. 4:2-4 Ap '63.
- NOVOKUZNETSK—CONSTRUCTION WORKERS**
Thank you, my construction project! B. Likhoded. Mol. komm. no. 7:32-34 Ji '62.
- NOVOKUZNETSK—STEEL INDUSTRY**
A leading enterprise of the third center of Soviet metallurgy. A. Syrovatkin. Agitator no. 15:35-37 Ag '62.
- NOVOMIKHAYLOVSKOYE (KRASNODAR TERRITORY)—GOITER**
Endemic goiter in the village of Novomikhaylovskoye of Quikavich District, Krasnodar Territory. I. M. Durbakov. Sov. med. 26 no. 1:91-92 Ja '63.
- NOVOMOSKOVSK DISTRICT (TULA PROVINCE)—BANKS AND BANKING**
Results of loan work. A. Razinkov. Fin. SSSR 37 no. 3:72-73 Mr '63.
- NOVOMOSKOVSK DISTRICT (TULA PROVINCE)—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION**
Results of loan work. A. Razinkov. Fin. SSSR 37 no. 3:72-73 Mr '63.
- NOVOROSSIYSK—HARBORS**
The port of Novorossiysk and the Vladikavkaz Railroad after the Reform of 1891. L. V. Kuprianova. Izv. zap. 73:280-300 '63.
- NOVOSIBIRSK—CLOTHING INDUSTRY**
Attack on losses. E. Troil'akov. Most. prom. i khud. promys. 4 no. 3:12-13 Mr '63.
- NOVOSIBIRSK—LIBRARIES**
Novosibirsk librarians have the floor. Bibliotekar' no. 4:49-52 Ap '63.
- NOVOSIBIRSK HYDROELECTRIC POWER STATION**
In the Presidium of the Supreme Soviet of the U.S.S.R. Gidr. stroi. 33 no. 4:1 Ap '63.
Operation of the Novosibirsk Hydroelectric Power Station. B. K. Dubrovskii. Gidr. stroi. 33 no. 4:2-6 Ap '63.
- NOVOSIBIRSK HYDROELECTRIC POWER STATION—PEAT**
Controlling floating peat at the Novosibirsk Hydroelectric Power Station. V. A. Komissarov. Gidr. stroi. 33 no. 4:6-8 Ap '63.
- NOVOSIBIRSK PROVINCE—ECONOMIC GEOGRAPHY—MAPS**
"Economic map of Novosibirsk Province on a 1:600,000 scale." Reviewed by M. V. Vol'f. 94-96 Ja-F '63.
- NOVOSIBIRSK PROVINCE—OLD-AGE HOMES**
Today is good but tomorrow will be better. M. Lebedev. Sots. obesp. 24 no. 4:38-39 Ap '63.
- NOVOTAGIL'SKOYE—OPEN-HEARTH PROCESS**
Kliuchev, A. P., and others. [Work experience of Novotagil'skoye steel smelters] Opyt raboty Nizhe-tagil'skikh staleplavil'shchikov. Sverdlovsk, Metallurgizdat, 1963, 93 p.

NOVOUZENSK DISTRICT—FARM MANAGEMENT

Specialization of production on the collective and state farms of the consolidated Novouzensk District, Saratov Province. A. I. Stepanov. Dokl. TSKHA no. 00:115-123 '61.

NOVYY OSKOL—MEAT INDUSTRY

Reorganized Novy Oskol Meat Combine. N. Ignatenko. Mias, ind. SSSR 33 [i.e. 34] no. 2:57 '63.

NOVYY TOR'YAL—CAMPS

In the camp "Vostok." R. Fominykh. Shkola-int. no. 2: 53-54 Mr-Apr '63.

NUCLEAR COUNTERS

Investigation of solar X-ray radiation. Part 3: Electronic equipment. B. N. Vasil'ev and others. Ink. spnt. Zem. no. 15:05-91 '63.

Total cross section of neutron-neutron interaction at an energy of 0.3 Bev. M. N. Khachatryan, V. S. Pantuev. Zhur. eksp. i teor. fiz. 44 no. 4:1411-1413 Ap '63. Use of silicon alpha-counters for measurements in solutions. M. V. Chukichev, P. A. Zagorots, Prib. i tekhn. eksp. 8 no. 2:172-173 Mr-Apr '63.

NUCLEAR ENGINEERING

[Nuclear engineering abroad] Atom. tekhn. za rub. 7 no. 5 My '63.

NUCLEAR FISSION

Recording of nuclear fission in the presence of an extensive background. S. P. Almazova, V. P. Perolygin, Prib. i tekhn. eksp. 8 no. 2:63-66 Mr-Apr '63.

NUCLEAR MAGNETIC RESONANCE AND RELAXATION

Effect of the symmetry of the paramagnetic complex on proton relaxation time. A. A. Popel', R. A. Dautov, A. V. Zakharov. Dokl. AN SSSR 149 no. 3:837-838 Mr '63.

Nuclear magnetic resonance spectrometer with magnetic field stabilization. B. I. Totel'baum, N. A. Gllazov, G. M. Luganskii, Prib. i tekhn. eksp. 8 no. 2:111-113 Mr-Apr '63.

Resonance absorption of ultrasound in NaCl crystals. E. D. Pigulovskii, A. M. Sazonov. Akust. zhur. 0 no. 3:245 '63.

NUCLEAR MAGNETIC RESONANCE

Study of polymers by nuclear magnetic resonance. Part 3: Mobility of the macromolecules of polyhalostyrenes [with summary in English]. R. A. Abdrazhizov and others. Vysokom. soed. 6 no. 3:400-411 Mr '63.

Temperature dependence of the frequencies of nuclear quadrupole resonance in SbI₂ and certain single crystals. V. S. Grechishkin, I. A. Klunetskiy. Fiz. tver. tela 5 no. 3:948-949 Mr '63.

NUCLEAR OPTICAL MODELS

A quasi-optical model and the asymptotic behavior of the scattering amplitude. B. A. Arbutov and others. Zhur. eksp. i teor. fiz. 44 no. 4:1400-1411 Ap '63.

Some aspects of the classical theory of the resonance transformation of light by molecules. L. L. Krushinskii, P. P. Shorygin. Izv. AN SSSR, Ser. fiz. 27 no. 4: 497-502 Ap '63.

NUCLEAR PHOTOGRAPHY

see Photography, Particle track

NUCLEAR PHYSICS

Goudsmit, Samuel. [Also a mission. Translated from the English] Missia "Alas." Moskva, Gos. izd-vo lit-ry v oblasti atomnoi nauki i tekhn. [1962]. 188 p. (in U)

Integral representation of the vertex part in perturbation theory. Liu I-chen' [Liu I-ch'ên]. Dokl. AN SSSR 149 no. 4:806-809 F '63.

Using methods of nuclear physics for solving problems of engineering geology and hydrogeology. V. I. Farronakii and others. Vop. gidrogeol. i inzh. geol. no. 20:3-17 '62.

NUCLEAR REACTIONS

Conservation of vector current in weak interactions and the mass difference in isotopic multiplets. The $\pi^+ \rightarrow \pi^0 + \gamma$ decay [with summary in English]. M. V. Tarent'ev. Zhur. eksp. i teor. fiz. 44 no. 4:1320-1328 Ap '63.

Experimental study of heat transfer in the chamber of an experimental IRT reactor. V. I. Gomelauri, G. V. Ratiani, M. E. Kipshidze. Trudy Inst. energ. AN Gruz. SSR 16:101-112 '62.

Neutron polarization in the D(d, n)He³ reaction [with summary in English]. I. S. Trostin, V. A. Smotr'nev. Zhur. eksp. i teor. fiz. 44 no. 4:1160-1161 Ap '63.

On γ -symmetry of leptons in weak interactions and decays with $\Delta S = \Delta Q$ [with summary in English]. E. M. Lipmanov. Zhur. eksp. i teor. fiz. 44 no. 4:1300-1400 Ap '63.

Panofsky ratio for He³ and the RMS radius for the H³ - H³ transition [with summary in English]. O. A. Zaimidorega and others. Zhur. eksp. i teor. fiz. 44 no. 4:1180-1183 Ap '63.

Photodisintegration of Li⁷ [with summary in English]. L. A. Kul'chitskii, I. U. M. Volkov. Zhur. eksp. i teor. fiz. 44 no. 4:1183-1189 Ap '63.

Reaction of neutron transfer by the Be⁹ nucleus [with summary in English]. S. N. Shumilov. Zhur. eksp. i teor. fiz. 44 no. 4:1189-1203 Ap '63.

Study of the stripping reaction on chromium isotopes [with summary in English]. M. V. Pasechnik, P. G. Ivantskii. Zhur. eksp. i teor. fiz. 44 no. 4:1128-1135 Ap '63.

NUCLEAR REACTORS

Critical operating conditions of a reactor in the case of nonlinear coupling between the temperature and a neutron flux. O. B. Moskalov. Zhur. vych. mat. i mat. fiz. 3 no. 2:327-336 Mr-Apr '63.

Installation of an electromagnetic transportation system in a nuclear reactor. D. Dobriakov, V. Nikolaev, U. Saullite. Izv. AN Latv. SSR no. 2:86-84 '63.

NUCLEAR REACTORS—ABSTRACTS

[Nuclear reactors] Ref. zhur.: IAD, reak. no. 5 My '63.

NUCLEAR SPIN

Analogue of Bloch's system of equations for spin $S = \frac{1}{2}$. A. R. Kessel'. Fiz. tver. tela 5 no. 4:1055-1061 Ap '63.

Effect of spin-spin interaction on slow neutron scattering in ferrites. V. N. Kashcheev. Fiz. tver. tela 5 no. 3: 865-871 Mr '63.

γ -Radiation from high-spin nuclei [with summary in English]. I. U. TS. Oganessian and others. Zhur. eksp. i teor. fiz. 44 no. 4:1171-1170 Ap '63.

Relaxation processes in antiferromagnetics with a spiral structure. V. G. Bar'akhtar, M. A. Savchenko. Fiz. tver. tela 5 no. 4:1158-1166 Ap '63.

Relaxation rate of donor electrons in compensated semiconductors. V. I. Avdeev. Fiz. tver. tela 5 no. 3:734-739 Mr '63.

Spin inversion levels in a magnetic field and the electron paramagnetic resonance spectrum of octahedral Cu²⁺ ion complexes [with summary in English]. I. B. Beraukor. Zhur. eksp. i teor. fiz. 44 no. 4:1239-1247 Ap '63.

NUCLEI, ATOMIC

Allowing for superfluid effects in α -decay on the vibration levels of daughter nuclei. M. K. Volkov, T. Veresh. Dokl. AN SSSR 148 no. 4:709-602 F '63.

NUCLEIC ACID METABOLISM

Content and metabolism of nucleic acids in various tissues. T. I. Bial, Vysnyy Kyiv, un. no. 1. Ser. biol. no. 2:187-191 '58.

Effect of ultrasound on the activity of depolymerases of brain nucleic acids [with summary in English]. T. P. Babit, E. B. Skys'kaev. Ukr. biokhim. zhur. 34 no. 6: 807-814 '62.

Irregular penetration of DNA into the cells during bacterial transformation. S. E. Bresler, M. I. Mosevitskii, A. L. Timkovskii. Dokl. AN SSSR 149 no. 3:721-724 Mr '63.

Metabolism of nucleic acids and mononucleotides in the course of synchronous development of Azotobacter vinelandii [with summary in English]. G. N. Zaitseva, Ngo Ke Syong, A. N. Bolozerskii. Biokhimiia 28 no. 1:172-185 Ja-F '63.

NUCLEIC ACIDS

Chemical synthesis of nucleic acids. B. F. Vanishin. Priroda 52 no. 4:20-35 '63.

Distribution of succinic dehydrogenase, nucleic acids, and glycogen in the neurons of the spinal ganglia and motoneurons of the spinal cord in the embryos and fetuses of sheep [with summary in English]. I. Bulks. Izv. AN Latv. SSR no. 2:105-113 '63.

Effect of ribonucleic acid on the excitability of a neuromuscular preparation of warm-blooded animals. N. A. Smirnova, V. G. Oveshkin. Nauch. dokl. vys. shkoly; biol. nauki no. 2:101-104 '63.

Effect of some anions on Dische's diphenylamine reaction [with summary in English]. A. M. Poverennyi, T. L. Aloinkova. Ukr. biokhim. zhur. 34 no. 6:910-914 '62.

Interrelation between the physiological function and genetic apparatus of a cell. F. Z. Meerson, E. M. Lotkina, T. D. Beloshapkina. Dokl. AN SSSR 149 no. 3: 700-702 Mr '63.

Mechanism of intracellular regulation of biosynthesis of ribonucleic acids and their precursors. K. A. Kafani. Zhur. VKHO 8 no. 1:23-32 '63.

Molecular state of deoxyribonucleic acid in the ad phage corpuscule [with summary in English]. T. I. Tikhozenko, N. G. Pichugina, I. A. Koudelka. Biokhimiia 28 no. 1:101-112 Ja-F '63.

Nucleic acid content and composition in the testes and muscles of Pekin ducks during the winter period of sexual dormancy [with summary in English]. V. M. Haidat. Ukr. biokhim. zhur. 34 no. 5:649-654 '62.

Nucleic acids and protein biosynthesis. V. S. Tongur. Vest. AMN SSSR 17 no. 12:20-29 '62.

Nucleic acids and variability of microorganisms. V. D. Timakov. Vest. AMN SSSR 17 no. 12:38-49 '62.

Organization of nucleic acids within a cell. I. B. Zbarskii. Vest. AMN SSSR 17 no. 12:3-13 '62.

Participation of low-polymeric ribonucleic acid (s-RNA) in the synthesis of nuclear proteins [with summary in English]. V. A. Gvozdev, M. A. Ponomareva-Stepnala. Biokhimiia 28 no. 1:152-160 Ja-F '63.

Problem of the specificity of nucleic acids. A. N. Bolozerskii. Vest. AMN SSSR 17 no. 12:13-19 '62.

Quantitative determination of nucleic acids in the brain tissue [with summary in English]. R. G. Broun, V. P. Goncharova. Ukr. biokhim. zhur. 34 no. 5:734-740 '62.

Ribonuclease in animal blood in the normal state and under the influence of DNA [with summary in English]. I. A. L. Hormaniuk. Ukr. biokhim. zhur. 34 no. 5:643-648 '62.

Ribonucleic acid as an intermediary and its role as a matrix in protein biosynthesis. M. F. Hulyi. Ukr. biokhim. zhur. 34 no. 5:758-790 '62.

Role of nucleic acids in virus infections. A. S. Spirin. Vest. AMN SSSR 17 no. 12:35-38 '62.

Study of ribonucleic acid in the cytoplasm of actiniform cells of the parotid gland in the secretory cycle. N. V. Nechaeva. Dokl. AN SSSR 148 no. 4:929-932 F '63.

Studying the molecular structure of ribonucleic acid by the method of dynamic birefringence [with summary in English]. E. V. Grisman and others. Biokhimiia 28 no. 1:137-144 Ja-F '63.

Transportable (soluble) ribonucleic acids. L. L. Kiselev. Zhur. VKHO 8 no. 1:11-22 '63.

Universality of the code of nucleic acids. B. M. Olenov. Vest. AMN SSSR 17 no. 12:29-35 '62.

NUCLEOPROTEINS

Participation of low-polymeric ribonucleic acid (s-RNA) in the synthesis of nuclear proteins [with summary in English]. V. A. Gvozdev, M. A. Ponomareva-Stepnala. Biokhimiia 28 no. 1:152-160 Ja-F '63.

NUCLEOTIDES

Free ribonucleotides and the activity of some enzymes of the pentose phosphate cycle in the heart muscle in experimental myocardial infarction [with summary in English]. A. I. Kolotilova and others. Biokhimiia 28 no. 1:113-121 Ja-F '63.

NUMBERS, COMPLEX

Device for observing amplitude-phase characteristics using an electronic model of a complex number. V. G. Puatymnikov, G. I. Mudretsov. Izv. vys. ucheb. zav.; elektromekh. 6 no. 2:246-251 '63.

NUMBERS, THEORY OF

Binary additive problems of an indefinite type. Part 1. B. M. Bredikhin. Izv. AN SSSR, Ser. mat. 27 no. 2:439-462 Mr-Apr '63.

Number of divisors in an angle. Lai Dyk Tkhin'. Dokl. AN SSSR 149 no. 3:513-515 Mr '63.

On certain trigonometric sums. K. A. Rodosskii. Mat. sbor. 60 no. 2:218-234 F '63.

"One hundred simple but difficult arithmetical problems" by W. Sierpinski. Reviewed by I. B. Veltsman. Mat. v shkole no. 2:79-80 Mr-Apr '63.

NUMERICAL WEATHER FORECASTING

Akademiia nauk SSSR. Vychislitel'nyi meteorologicheskii tsentr. [Objective analysis and weather forecasting] Ob'ektivnyi analiz i prognoz meteorologicheskikh elementov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 61 p.

NURSERY STOCK—DISEASES AND PESTS

see sub-division under Ukraine

NURSES AND NURSING

(see also sub-division under Moscow)

Aleksandra Dmitrievna Troitskaya. Med. sestra 21 no. 11:58-59 N '62.

Anastasia Ivanova Bazanova. Med. sestra 21 no. 10: 80 O '62.

Antonina Andreevna Badova. Med. sestra 21 no. 10:59 O '62.

Bureau of medical nurses of the Red Cross Society. A. S. Pavlov. Med. sestra 21 no. 10:58-59 O '62.

Elizaveta Grigor'evna Kuleshova. Med. sestra 21 no. 10:60 O '62.

Gagunova, E. Ia. [General care of patients] Obshchii ukhod za bol'nymi. Moskva, Medgiz, 1963. 282 p. (DNLM)

Maria Pavlovna Baskakova. Med. sestra 21 no. 12:56 D '62.

Nurses' councils. Med. sestra 21 no. 11:62-63 N '62.

Nursing a gynecological patient in a hospital. V. G. Khrenova. Med. sestra 21 no. 12:41-44 D '62.

Procedure of the distribution of medicine and fulfillment of assignments. E. S. Zvereva. Med. sestra 21 no. 10: 55 O '62.

Role of medical nurses in tuberculosis prevention in a village. A. N. Bazhanov. Med. sestra 21 no. 10:12-17 O '62.

We shake your hand, nurse. V. Galeev, M. Galeeva. Okhr. truda i sots. strakh. 6 no. 3:12-13 Mr '63.

Zinaida Ivanovna Barinova. Med. sestra 21 no. 12:55 D '62.

NURSES AND NURSING—PERIODICALS

Good tradition. A. I. Rogov. Med. sestra 21 no. 11:6-62 N '62.

NURSES AND NURSING—SALARIES, PENSIONS, ETC.

Legal advice. I. A. N. Grodskaya. Med. sestra 21 no. 11: 59-60 N '62.

- NUTCRACKERS (BIRDS)** see subdivision under Sverdlovsk Province
- NUTRITION**
Occupation and nutrition. M. Marshak. Okhr. truda i sots. strukh. no. 4:16-19 Ap '63.
- NYLON**
Katanaeva, V. P. [Capron in machinery manufacture] Kapron v mashinostroenii. Irkutsk, Irkutskoe knizhnoe izd-vo, 1961. 39 p.
Use of capron in oil industries. D. F. Agaryshev, I. N. Makhalkin. Masl. -zhur. prom. 29 no. 2:41-43 F '63.
- NYMPHAEUM—FIBULA (ARCHAEOLOGY)**
Bronze buckle from Nymphaeum. Z. Bilimovich. Soob. Gos. Erm. no. 23:43-45 '62.
- OAK**
(see also subdivision under Chuvashia; Georgia)
Role of oak staves in the maderization of wine with the bulk method. I. B. Platonov. Trudy KIPP no. 22:241-248 '61.
- OAK—DISEASES AND PESTS** see subdivision under Polesye
- OB' VALLEY—GEOLOGY, STRATIGRAPHIC**
Genesis and stratigraphy of Quaternary formations in the steppe plateau of the upper Ob' Valley. V. E. Riasina. Biul. Kom. chetv. per. no. 27:86-97 '62.
- OB' VALLEY—LANDSLIDES**
Characteristics of landslides in the upper Ob' Valley as revealed by engineering geology. E. V. Trepelsov. Vop. gidrogeol. i inzh. geol. no. 20:141-148 '62.
- OBNORSKI, PETR PETROVICH, 1887-**
Anniversary of Petr Petrovich Obnorski; on his 75th birthday. Med. sestra 21 no. 10:61 O '62.
- OBORIN, LEV NIKOLAEVICH, 1907-**
Lev Oborin. M. Smirnov. Sov. muz. 27 no. 2:94-95 F '63.
- OBUKHOVA, NADEZHDA ANDREEVNA, 1886-**
At our microphone. Nat. Tolstova. Sov. radio i tel. 11 no. 11:36-37 N '62.
- O'CASEY, SEAN, 1884-**
Druzina, M. V. [Playwright Sean O'Casey] Shon O'Kelsi - dramaturg. Moskva, Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike, VI Seriya: Literatura i iskusstvo, no. 4)
Festival of plays by O'Casey in the "Rusalka Theater." N. Loseva. Teatr 24 no. 4:153, 158 Ap '63.
- OCCIPITAL BONE—TUMORS**
Neurinoma of the occipital area in a 7-year-old girl. A. S. Bondarchuk. Klin. khir. no. 6:77-78 My '62.
- OCCULT SCIENCES**
Zybkovets, V. F. [Black and white magic] O chernoi i beloi magii. Moskva, Gospolitizdat, 1963. 125 p.
- OCCULTATIONS**
Observations of lunar occultations of stars in Irkutsk. G. V. Kuklin, N. T. Tiagun. Astron. tsir. no. 23:126-27 N '62.
Observations of lunar occultations of stars in Kazan. I. E. Nikonova. Astron. tsir. no. 23:128-29 N '62.
Observations of lunar occultations of stars in Kiev. A. K. Osipov. Astron. tsir. no. 23:25-26 D '62.
Observations of lunar occultations of Uranus and stars in Dnepropetrovsk. V. A. Baranenko, N. E. Demidova, A. L. Chikarenko. Astron. tsir. no. 23:127-28 N '62.
- OCCUPATIONS—BIBLIOGRAPHY** see Bibliography—Occupations
- OCEAN** see subdivision under Antarctic regions; Lazarev region, Antarctica
- OCEAN BOTTOM** see subdivision under Atlantic Ocean; Indian Ocean; Lazarev Station, Antarctica
- OCEAN CURRENTS**
(see also subdivision under Antarctic Ocean; Atlantic Ocean)
Nature of astronomical variations in ocean currents. I. V. Maksimov. Okeanologiya 3 no. 2:183-189 '63.
Using data on the distribution of oxygen to determine the intensity of vertical exchange in the ocean. A. O. Kolesnikov. Okeanologiya 3 no. 2:260-270 '63.
- OCEAN LINERS**
Radio communications on modern passenger liners. O. P. Bykasov, I. V. Rozova. Biul. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:89-99 '62.
- OCEAN TEMPERATURE**
(see also subdivision under Barents Sea)
Effect of solar radiation penetrating the sea on the water temperature. A. A. Pivovarov. Okeanologiya 3 no. 2:213-218 '63.
Productivity of zooplankton and temperature; (in reply to I. I. Galkin, M. M. Kamshtov. Okeanologiya 3 no. 2:330-336 '63.
- OCEANOGRAPHIC RESEARCH**
(see also subdivision under Africa)
Uniform recording of deep-sea hydrologic observations for systematization and machine processing. V. A. Burkov. Okeanologiya 3 no. 2:338-345 '63.
- OCEANOGRAPHIC RESEARCH—EQUIPMENT AND SUPPLIES**
Use of the method of flame photometry in marine studies; marine flame photometer. L. M. Khitrov, K. A. Kotl'arov. Okeanologiya 3 no. 2:316-323 '63.
- OCEANOGRAPHIC RESEARCH SHIPS**
Determination of elements of the magnetic field in the Antarctic from a steel ship. V. T. Guzev. Inform. biul. Sov. antark. eksp. no. 32:34-37 '62.
New foreign research ships. V. G. Samarin. Okeanologiya 3 no. 2:348-356 '63.
New scientific discoveries and technological innovations. Ukraina no. 6:16 Mr '63.
- OCEANOGRAPHIC RESEARCH STATIONS** see subdivision under Seattle
- OCEANOGRAPHY**
(see also subdivision under Antarctic regions; Arctic regions)
"The depths of the ocean" by D. I. Shcherbakov. Reviewed by V. Raush. Geog. v shkole 26 no. 2:90-91 Mr-Ap '63.
Using geophysical methods in oceanographic studies. R. M. Dement'skaya, N. N. Trubatchinskii. Trudy NIIGA 132:3-6 '62.
- ODESSA—BOOKSELLERS AND BOOKSELLING**
From the editor's mail. Ukraina no. 7:22-23 Ap '63.
- ODESSA—CLOTHING INDUSTRY**
First results of the operations of consolidated clothing factories. I. P. Solodov. Shvein. prom. no. 1:24-25 Ja-F '63.
Information. Shvein. prom. no. 1:34-35 Ja-F '63.
- ODESSA—COMMUNIST YOUTH LEAGUE**
Indifferent heart. Ed. E. Plashch. Mol. komm. no. 11:90-96 N '62.
- ODESSA—MACHINE-TOOL INDUSTRY**
Innovator P. F. Sharyi. M. Reznikovskii. Mashino-stroitel' no. 4:7 Mr '63.
- ODESSA—MECHANICAL DRAWING—STUDY AND TEACHING**
Municipal school Olympiad of mechanical drawing. V. E. Khrennikova. Shkola i proizv. 7 no. 2:49-51 P '63.
- ODESSA—OPERA**
Discoveries and problems. V. Zaleskii. Sov. muz. 27 no. 1:30-39 Ja '63.
Gherase Dendrino speaks. Sov. muz. 27 no. 1:29 Ja '63.
- ODESSA—PIGEONS**
Barbary dove in Odessa. V. S. Grekov. Ornitologiya no. 4:328-332 '62.
- ODESSA—SANATORiums—FINANCE**
Review the expenditure norms for the sanatoriums of the All-Union Central Council of Trade Unions. I. Solodov. Fin. SSSR 37 no. 3:76 Mr '63.
- ODESSA—THEOLOGICAL SEMINARIES**
Annual commencement at the Odessa Theological Seminary. V. Sabodan. Zhur. Mosk. Patr. no. 3:11-12 Mr '63.
- ODESSA PROVINCE—ATHEISM—STUDY AND TEACHING**
What are we striving for? L. Anufriev. Nauka i rel. 4 no. 2:66-68 F '63.
- ODESSA PROVINCE—COLLECTIVE FARMS**
Last snow. Nikolai Bykov. Ogonek 41 no. 15:6-7, 18-19 Ap '63.
- ODESSA PROVINCE—LEAF BEETLES**
Leaf beetles (Coleoptera, Chrysomelidae) and weevils (Coleoptera, Curculionidae) of Odessa Province. N. D. Hlobova. Vsiyok Kyiv. un. no. 1. Ser. biol. no. 2:159-168 '58.
- ODESSA PROVINCE—WEEVILS**
Leaf beetles (Coleoptera, Chrysomelidae) and weevils (Coleoptera, Curculionidae) of Odessa Province. N. D. Hlobova. Vsiyok Kyiv. un. no. 1. Ser. biol. no. 2:159-168 '58.
- ODESSA REGION—REED (BOTANY)**
Spreading of reeds by runners. L. V. Klimentov. Bot. zhur. 48 no. 3:450-452 Mr '63.
- ODESSA ASTRONOMICAL OBSERVATORY**
Participation of the Odessa Astronomical Observatory in carrying out the program of the International Geophysical Year. V. P. Tsesevich. Izv. Astron. obser. 6 no. 1:5-8 '59.
- ODOROUS SUBSTANCES**
Advances in the synthesis of odorous substances of isoprenoid structure. V. N. Belov, N. I. Skvortsova. Usp. khim. 32 no. 3:265-304 Mr '63.
- OFFENSES AGAINST SOCIALIST PROPERTY**
Investigation of some criminal cases concerning the pilfering of socialist property. M. Ioffe. Rad. prav. no. 3:51-56 My-Je '62.
We should strictly observe the law on the protection of socialist property. B. Kravtsov. Sots. zakon. 3 no. 7:16-20 Ji '62.
- OFFICE EQUIPMENT AND SUPPLIES**
(see also subdivision under Moscow Province)
Schemes for the mechanization of administrative work. Sots. truda 8 no. 4:143-144 Ap '63.
- OFFICE PRACTICE IN GOVERNMENT**
(see also subdivision under Perm Province)
V. I. Lenin's views on control over the execution of assignments. A. I. Horobut. Ukr. ts. zhur. 6 no. 2:3-11 Mr-Ap '63.
- OFFICIAL SECRETS—BIBLIOGRAPHY** see Bibliography—Official secrets
- OGAREV, NIKOLAI PLATONOVICH, 1813-1877**
N. P. Ogarev's role in the history of Russian regional studies; in connection with the 150th anniversary of his birth. B. S. Khorev. Izv. AN SSSR, Ser. geog. no. 2:90-100 Mr-Ap '63.
- OIL BURNERS**
Fuel oil burner. V. M. Gorbunov. Prom. energ. 18 no. 4:20-21 Ap '63.
- OIL CAKE—STORAGE**
Cooling of cottonseed oil cake prior to storage. V. J. Govor and others. Masl. -zhur. prom. 29 no. 2:40-41 F '63.
Preparation of oil cake for storage. G. V. Bantser, A. I. Tshirkei. Masl. -zhur. prom. 29 no. 2:38-40 F '63.
- OIL FIELD BRINES**
(see also subdivision under Emba region; Kyrgyzstan region; Volga Viley)
Kartsev, A. A. [Hydrogeology of oil and gas fields] Gidrogeologiya nefiannykh i gazovykh mestorozhdenii. Moskva, Gostoptekhizdat, 1963. 353 p.
Khannin, A. A. [Residual water in oil and gas reservoirs] Ostatochnaya voda v kolektorakh nefi i gaza. Moskva, Gostoptekhizdat, 1963. 207 p.
- OIL FIELD BRINES—ANALYSIS** see subdivision under Emba region
- OIL FIELD FLOODING—EQUIPMENT AND SUPPLIES**
Special features of the water works of water supply systems for injecting water into oil-bearing beds. S. N. Aronov, K. N. Samoilova. Vod. i san. tekhn. no. 4:3-11 Ap '63.
- OIL FIELDS**
(see also subdivision under Emba region; Georgia)
Make wider use of mine surveying methods in oil and gas production. L. Dement'ev. Geol. nefi i gaza 7 no. 4:62-64 Ap '63.
Sokolov, V. A., and G. G. Grigor'ev. [Methods and results of gas geochemical prospecting for oil and gas] Metodika i resul'taty gazovyi khimicheskikh nefi-gazopolekovykh rabot. Moskva, Gostoptekhizdat, 1962. 402 p.
- OIL FIELDS—EQUIPMENT AND SUPPLIES**
Baku. Vsesoyuznyi nauchno-issledovatel'skii institut po tekhnike bezopasnosti. [Assembly and use of safety devices in petroleum and gas production] Montazh i okapalulatsiya pri isposoblenii po tekhnike bezopasnosti v neftegazodobyvnykh iushchey promyshlennosti. Izd. 2., perer. i dop. Moskva, Gostoptekhizdat, 1963. 212 p.
Device for setting up and removing the AKD-3 wrench. P. V. Kutayn, A. A. Mametov, A. A. Arzumanyan. Berop. truda v prom. 7 no. 4:28 Ap '63.
- OIL FIELDS—PRODUCTION METHODS**
(see also subdivision under Bakinskii; Ishimlay region)
Buehin, A. N., and O. I. Dorokhov. [Economic effectiveness of various well patterns] Ekonomicheskaya effektivnost' razlichnykh sistem razmeshcheniya skvazhin. Moskva, Gostoptekhizdat, 1962. 57 p.
Bugrov, V. A., and N. F. Strizhonova. [Economics, organization, and planning of petroleum production enterprises] Ekonomika, organizatsiya i planirovaniye nefi-dobyvnykh iushchikh predpriyatiy. Moskva, Gostoptekhizdat, 1962. 333 p.
Bulanovskii, L. A. [Principles of planning the complete automation of oil and gas production and transportation] Printsipy proektirovaniya kompleksnoi avtomatizatsii dobychi i transporta nefi i gaza. Moskva, Gostoptekhizdat, 1963. 114 p.
Calculating the production of oil- and gas-bearing beds. M. T. Abasov. Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefi no. 6:71-76 '62.
- OIL FIELDS—SAFETY MEASURES**
Eliminate organizational causes of accidents in oil-well drilling. N. A. Voznesenskii, A. A. Mardakhev. Berop. truda v prom. 7 no. 4:1-2 Ap '63.

OIL FIELDS—SAFETY REGULATIONS

Specification of two articles in safety regulations. R. N. Musallants. Bezop. truda v prom. 7 no. 4:24-26 Ap '63.

OIL FIELDS—TECHNOLOGICAL INNOVATIONS

Technological innovations for oil fields. B. A. Kostin. Bezop. truda v prom. 6 no. 8:17 Ag '62.

OIL INDUSTRIES

Expanding the resources of raw materials in the most important task. Masl. -zhir. prom. 29 no. 2:1-4 F '63.
Results of the operations of the oil and fat industry during 1962. Masl. -zhir. prom. 29 no. 3:2-7 Mr '63.
Various information. I. S. Aratov and others. Masl. -zhir. prom. 29 no. 3:39-40 Mr '63.

OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

Use of capron in oil industries. D. F. Agaryshev, I. N. Makhalkin. Masl. -zhir. prom. 29 no. 2:41-43 F '63.

OIL INDUSTRIES—PERIODICALS

"Bulletin on the exchange of advanced practices, industrial efficiency and inventions." Reviewed by L. N. Demin. Masl. -zhir. prom. 29 no. 3:41-42 Mr '63.

OIL RESERVOIR ENGINEERING

Field experiments in water-gas injection. M. A. Airo-petian, V. F. Poplevin, M. I. Korol'. Trudy Inst. nefti AN Kazakh, SSSR 4:117-134 '61.

OIL RESERVOIR ENGINEERING—EQUIPMENT AND SUPPLIES

Kalinko, M. K. [Methods for studying the reservoir properties of cores] Metodika issledovaniia kolektor-skikh svoistv kernov. Moskva, Gostoptekhizdat, 1963, 223 p.

OIL SANDS

Leningrad. Vsesoyuznyi nauchno-issledovatel'skii geologorazvedochnyi institut. [Methodological text on the study of the fracturing of rocks and fractured oil and gas reservoirs] Metodicheskoe posobie po izucheniiu treschinnovosti gornykh porud i treuchnykh kolektorov nefli i gaza. Leningrad, Gostoptekhizdat, 1962, 76 p. (Ru Trudy, no. 201)

Method for calculating the porosity of rocks under rock pressure. A. I. Gonor, I. M. Marmornstein. Trudy NIIGA 132:143-151 '62.

OIL SANDS—ANALYSIS

Kalinko, M. K. [Methods for studying the reservoir properties of cores] Metodika issledovaniia kolektor-skikh svoistv kernov. Moskva, Gostoptekhizdat, 1963, 223 p.

OIL WELL CEMENTING

Cementing of well bottom areas. A. K. Stepanitsa. Trudy MINKHIGP no. 40:139-154 '63.
Contraction of plugging cement in contact with highly mineralized formation waters. S. V. Moschlerakov, B. I. U. Nogerbekov. Trudy Inst. nefli AN Kazakh, SSSR 4:187-188 '61.
Some theoretical problems of oil well cementing. E. M. Solov'ev. Trudy MINKHIGP no. 40:133-138 '63.

OIL WELL DRILLING

(see also subdivision under Emba region)

Axial deformation of the drill column in drilling straight wells using well bottom motors. P. V. Balitskii. Trudy MINKHIGP no. 40:83-72 '63.

Bronzov, A. S. [Multiple drilling in oil and gas fields] Kustovoe stroitel'stvo skvazhin na neflianykh i gazovykh promyshlenn. Moskva, Gostoptekhizdat, 1962, 327 p.

Iakovlev, V. A. [Water exclusion in air and gas drilling; drilling practices in foreign countries] Bor'ba s vodo-plavleniami pri burenii skvazhin s produktovoi zaboiu; zarubezhnyi opyt. Moskva, Gostoptekhizdat, 1962, 52 p.

Institut tekhnicheskoi informatsii i ekonomicheskikh issledovani po neflianoi i gazovoi promyshlennosti. [Small and reduced diameter hole drilling] Opyt bureniia skvazhin unon'shennogo i malogo diametra. Moskva, GOSINTI, 1962, 139 p. (Serbia; Barente) [MICROFILM]

Kuvykin, S. I., and N. F. Kagarmanov. [Diamond drilling of oil wells] Almaznoe burenie neflianykh skvazhin. Ufa, Bashkirenskoe knizhnoe izd-vo, 1962, 103 p. [MICROFILM]

Possibilities of increasing the efficiency of deep drilling. N. N. Pobedonostseva, V. I. Egorov. Trudy MINKHIGP no. 40:3-22 '63.

Seid-Rza, M. K. [Technology of drilling deep wells under complex conditions] Tekhnologiya bureniia glubokikh skvazhin v oslozhnennykh usloviakh. Baku, Azerbaidzhanskoe gos. izd-vo, 1963, 337 p.

Studying the performance of bits in gas and air drilling. I. U. Rybakov. Trudy MINKHIGP no. 40:23-31 '63.

OIL WELL DRILLING—COSTS

Zaitsev, M. K. [New aspects of some economic problems in drilling] Noveye aspekty nekotorykh problem ekonomiki bureniia. Ashkhabad, Izd-vo Akad. nauk Turkmen'skoi SSR, 1963, 126 p.

OIL WELL DRILLING—EQUIPMENT AND SUPPLIES

Comparative analysis of the stability and durability of 6 7/8" and 3 1/2" pipes in straight hole drilling using well bottom motors. P. V. Balitskii. Trudy MINKHIGP no. 40:42-46 '63.

Rotational speed of cones of three roller bits. V. V. Simonov and others. Trudy MINKHIGP no. 40:32-41 '63.

OIL WELL DRILLING, ELECTRIC—EQUIPMENT AND SUPPLIES

Design and basic sizes of the directional sector of the drill column with a maximal deflection control for use in the electric drilling of straight wells. P. V. Balitskii. Trudy MINKHIGP no. 40:47-62 '63.

OIL WELL DRILLING, SUBMARINE see subdivision under Neftyanaye Kamni region;

OIL WELL DRILLING FLUIDS

Flow properties of plugging cement slurries. A. I. Leonidova, E. M. Solov'ev. Trudy MINKHIGP no. 40:86-99 '63.

Frothing of clay muds. S. S. Sukharev. Trudy Inst. nefli AN Kazakh, SSSR 4:143-147 '61.

Studying the hardening of cement slurries. A. I. A. Lipovetskii, V. S. Danilushovskii, I. A. Vedishchev. Trudy MINKHIGP no. 40:125-132 '63.

Using combined reagents from algae of the genus fucus for stabilizing clay suspensions. N. A. Zavorokhina, K. A. Koganskina, S. S. Sukharev. Trudy Inst. nefli, AN Kazakh, SSSR 4:135-142 '61.

Using ionizing extract for processing drilling fluids. L. V. Borisenko, N. I. Shatsov. Trudy MINKHIGP no. 40:73-85 '63.

OIL WELL DRILLING RIGS—TECHNOLOGICAL INNOVATIONS

Mechanized pipe supply to the work of an oil-well drilling rig. M. M. Novikov. Bezop. truda v prom. 7 no. 4:31 Ap '63.

OIL WELL PUMPS

Concerning the number of electric transformers in the substations of deep well pumps in oil fields. M. A. Eshbinn. Prom. energ. 18 no. 1:30-33 Ja '63.

Effect of the number of revolutions of the screw on the efficient performance of single-screw pumps. A. V. Krylov. Trudy MINKHIGP no. 40:162-166 '63.

Rise in pressure in the casing of single-screw pumps. A. V. Krylov. Trudy MINKHIGP no. 40:155-161 '63.

OIL WELLS—EQUIPMENT AND SUPPLIES

Falling of a plunger lift in a vertical pipe filled with viscous fluid. R. S. Gurbanov, A. F. Kasimov. Izv. AN Azerb. SSR, Ser. geol. -geog. nauk i nefli no. 6:77-84 '62.

Improve the methods for underground overhaul of oil wells. G. S. I. I. Bezop. truda v prom. 6 no. 8:15-16 Ag '62.

OILS AND FATS

Changes in vegetable oil during the searing of fish. M. I. Komarnitskii. Ryb. khoz. 39 no. 4:78-80 '63.

Experience in reducing oil losses in hull wastes. I. M. Ismailov, G. T. Tadzhibayev, G. V. Rozenshtein. Masl. -zhir. prom. 29 no. 3:31-32 Mr '63.

Production of fats. U. Karimov. Izobr. i rats. no. 3:42 '63.

Reducing the losses of benzene in oil cakes. R. F. Torbin. Masl. -zhir. prom. 29 no. 3:34-35 Mr '63.

Seed oil of Geobelia pachycarpa. A. L. Markman, A. I. Glushenkova. Uzb. khim. zhur. 7 no. 1:81-85 '63.

Separate purification and storage of prepressed and pretreated oils. T. G. Makshanova. Khar. prom. no. 1:50 Ja-Mr '63.

Some theoretical dependences in the process of two-stage saponification. O. V. Zaks, M. I. Muchnik. Khar. prom. no. 1:10-22 Ja-Mr '63.

OILS AND FATS—ANALYSIS

Rapid method for determining fats in cornstarch products. A. A. Trukhachova, R. A. Tanklaeva. Sakh. prom. 37 no. 3:56(216)-58(218) Mr '63.

OILS AND FATS—BIBLIOGRAPHY see Bibliography—Oils and fats

OILS AND FATS, EDIBLE

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Production of shortenings and their use in the manufacture of pastry] Polucheniye shortirov i primeneniye ikh pri proizvodstve konditerskikh izdelii. Moskva, 1962, 28 p. (Tekhnicheskaya informatsiya) [MICROFILM]

OILS AND FATS, EDIBLE—PRESERVATION

Using tocopherol (vitamin E) for improving the keeping quality of beef fat in storage. I. U. Lapshev. Mias. ind. SSSR 34 no. 1:59 '63.

OILSEED PLANTS

The 50th anniversary of the All-Union Research Institute of Oilseed and Aromatic Crops. Zemledelie 25 no. 1:3-13 Ja '63.

OKA PRESERVE—SWALLOWS

Characteristics of the distribution and feeding habits of the bank swallow in Oka Preserve. N. R. Pavlova. Ornitologia no. 4:122-131 '62.

OKA TERRACE PRESERVE

Dmitriyev, I. U. D., and N. F. Osipov. [On the shore of the Oka River; a story about the Oka Terrace Preserve] Na beregu Oki; rasskaz o Prioksko-Terrasnom zapovednike. [Moskva] Mosk. rabochii, 1963, 83 p.

OKA VALLEY—WATER BIRDS

Some water birds of southern Meshchera and the middle course of the Oka River. E. S. Ptushenko. Ornitologia no. 4:269-275 '62.

OKTYABRSKIY DISTRICT (ROSTOV PROVINCE)—SOVIETS

Marvelous springs. P. Nikitin. Sov. deput. trud. no. 4:67-69 Ap '63.

OLD-AGE HOMES see subdivision under Novosibirsk Province

OLD PERSIAN INSCRIPTIONS

Behistun inscription and the notes of ancient authors on Bardi-Gaumata [with summary in French]. M. A. Dandamaev. Krat. soob. Inst. nar. Az. no. 46:252-258 '62.

OLEFINS

Aging of polyolefins. Comparative lightfastness of polyolefins. E. N. Matveeva, A. A. Kozodol, A. L. Goldenberg. Plast. massy. no. 4:7-11 '63.

Computation of the rotation of optically active organo-mercury compounds and the stereochemistry of the addition of mercury salts to olefins. V. I. Sokolov, O. A. Reutov. Dokl. AN SSSR 148 no. 4:867-870 F '63.

Free radical addition of chloroacetic acid and its methyl ester to α -olefins. G. I. Nikishin, R. I. Mustafayev, A. D. Petrov. Izv. AN SSSR. Otd. khim. nauk no. 2:359-364 F '63.

Hydrolysis of 1, 1, 1-trihaloalkanes and 1, 1-dihalo-1-alkene by water at 250-330°C. Sh. A. Karapetian, N. V. Kruglova, R. Kh. Freidina. Izv. AN SSSR. Otd. khim. nauk no. 2:307-311 F '63.

Mechanism of the nitration of haloolefins with a nitrating mixture. I. V. Martynov, I. U. L. Kruglak, Zhur. VKHO 8 no. 2:237-238 '63.

Nitroschlorination of olefins and their derivatives by an ionic mechanism. Anomalous addition to chloroethylenes. A. I. Titov. Dokl. AN SSSR 148 no. 3:619-622 Mr '63.

OLEIC ACID

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrograms. I. U. B. Kudriashov, E. N. Goncharenko, S. I. I. Khua [Häüsh Yu-hüa]. Nauch. dokl. vys. shkoly; biol. nauki no. 2:108-114 '63.

Mechanism of the formation of transomers of oleic acid during the hydrogenation of oleic acid radicals. B. N. Tiutunnikov, I. V. Bogdan, Masl. -zhir. prom. 29 no. 2:13-18 F '63.

OLENEK VALLEY—BRACHIOPODA, FOSSIL

Stratigraphy and Brachiopoda of the Lower Carboniferous sediments in the northeastern part of the Siberian Platform in the Olenek basin. N. N. Lapina. Trudy VNIGRI no. 196. Paleont. sbor. no. 3:107-123 '62.

OLENEK VALLEY—GEOLOGY, STRATIGRAPHIC

Stratigraphy and Brachiopoda of the Lower Carboniferous sediments in the northeastern part of the Siberian Platform in the Olenek basin. N. N. Lapina. Trudy VNIGRI no. 196. Paleont. sbor. no. 3:107-123 '62.

OLENINO REGION—LUMBERING

Zotov, G. A., V. P. Berezin, and S. A. Shalaev. [Olenino Logging Camp] Oleninskii lespromkhoz. Khimiki, TSentr. nauchno-issl. in-t mekhanizatsii i energetiki lesnoi promyshl., 1962, 30 p. [With summary in English] [MICROFILM]

OLENOGORSK—ORE DRESSING

Comparing methods of classifying a material before jigging; tests at the Olenogorsk Plant. L. T. Ozolin, M. N. Kazennov. Obog. rud 7 no. 3:12-17 '62.

OLENOGORSK REGION—BULLDOZERS

Using the D-384 bulldozer in the Olenogorsk open-pit mine. G. G. Baraukov, R. S. Permiakov. Gor. zhur. no. 3:47-48 Mr '63.

OL'SHANSKII, IAKOV ANDREEVICH, 1900-1963

Iakov Andreevich Ol'shanskii; obituary. Prom. energ. 18 no. 4:53 Ap '63.

OLTENIA—MASTODON

Find of the lower jaw of late Mastodon borsoni Hays in Oltenia (Rumanian People's Republic). L. I. Alekseeva, I. I. Firu. Blul. Kom. chetv. per. no. 27:138-142 '62.

- OLYMPIC GAMES**
Regulation on the all-Union contest for candidates to the Olympic team of the U.S.S.R. Teor. i prak. fiz. kul't. 26 no. 4:78 Ap '63.
Rules of the All-Union Contest for the Candidates to the Olympic Team of the U.S.S.R. (to be continued). Teor. i prak. fiz. kul't. 26 no. 3:79 Mr '63.
The torch is not flaming yet; some aspects of the preparation for the 18th Olympic Games. M. G. Zaslavskii. Teor. i prak. fiz. kul't. 26 no. 3:62-67 Mr '63.
- OMSK—TIRE FABRICS—RESEARCH**
Wonderful present. N. Vasil'ev. Smena 40 no. 9:18-19 My '63.
- OMSK PROVINCE—COLLECTIVE FARMS—INCOME DISTRIBUTION**
Equalizing collective farm income and wages. P. Bashkin. Vop. ekon. no. 4:135-139 Ap '63.
- OMSK PROVINCE—PUBLIC HEALTH**
"Social forms in the activity of the public health agencies of Omsk Province" by M. E. Poliakova. Reviewed by I. G. Legenski. Sov. zdrav. 22 no. 4:87-88 '63.
- OMSK REGION—GRAIN—TESTING**
Grain testing laboratory. S. Savchenko. Muk. -elev. prom. 29 no. 1:26 Ja '63.
- ONCOLOGICAL SOCIETIES** see subdivision under Kiev
- ONCOLOGY—ABSTRACTS**
[General problems of pathology. Oncology] Ref. zhur.: Ob. vop. pat. Onk. no. 10 My '63.
- ONCOLOGY—CONGRESSES**
Virology and immunology at the Eighth International Cancer Research Congress. V. M. Zhdanov. Vop. virus. 7 no. 6:756-757 N-D '62.
- ONEGA DISTRICT—ROCKS—ANALYSIS**
Ultrabasic rock from the northern Onega bauxite region. E. P. Levando. Dokl. AN SSSR 149 no. 3:681-684 Mr '63.
- ONOLITE** see subdivision under Ural Mountains
- OPEN AND CLOSED SHELVES**
Organizing service to readers by employing openstacks in reading rooms for the exact, the engineering, and the economic sciences. A. S. Boletina. Bibliot. SSSR no. 21:91-101 '62.
- OPEN-HEARTH FURNACES**
Improving the performance of open-hearth furnaces. A. A. Dobrokhoto and others. Stal' 23 no. 4:304-308 Ap '63.
Kapusin, E. A., and G. M. Glinkov. [Flow of gases in open-hearth furnaces] Dvizheniye gazov v martenovskikh pechakh. Moskva, Metallurgizdat, 1963, 270 p.
Measuring the flow of combustion products in open-hearth furnaces. V. S. Kocho and others. Met. i gornorud. prom. no. 1:59-62 Ja-F '63.
- OPEN-HEARTH FURNACES—COOLING**
Evaporation cooling of open-hearth furnaces. A. A. Lopatin. Stal' 23 no. 4:379-380 Ap '63.
- OPEN-HEARTH PROCESS** see subdivision under Novotagil'skoye
- OPEN-HEARTH PROCESS—COSTS**
Cost of steel made in a 500-ton open-hearth furnace. V. A. Romanets, I. E. Funtov. Stal' 23 no. 4:369-371 Ap '63.
- OPERA** see subdivision under Czechoslovakia; Kiev; Leningrad; Moscow; Vienna; Warsaw
- OPERA—DICTIONARIES**
"Dictionary of operas; premiere and publication dates in both prerevolutionary Russia and the U.S.S.R., 1736-1959" by G. Bernandit. Reviewed by G. Ordzhonikidze. Sov. muz. 27 no. 1:128-129 Ja '63.
- OPERA—HISTORY AND CRITICISM**
Ropskaia-Dozoriseva, Zh. G. [Soviet opera] Sovetskaya opera. Moskva, Izd-vo "Znanie," 1963, 46 p. (Narodnyi universitet kul'tury; Fakul'tet literatury i iskusstva, no. 3)
- OPERA, UKRAINIAN**
In the places associated with the subject of his future opera. Ukraina no. 7:3 Ap '63.
- OPERATIONAL CALCULUS** see Calculus, Operational
- OPERATIVE DENTISTRY** see Dentistry, Operative
- OPERATIVE SURGERY** see Surgery, Operative
- OPERATORS (MATHEMATICS)**
Analysis of the scattering problem in certain infinite domains. Part I [with summary in English]. A. G. Ramm. Vest. LGU 18 no. 7:45-68 '63.
Boundedness of the inverse operator in a mixed problem in the theory of elasticity. S. G. Petrova. Izv. vys. ucheb. zav.; mat. no. 3:109-121 '63.
Coordinated spaces and infinite systems of linear equations. Part 3. I. U. I. Grilbanov. Izv. vys. ucheb. zav.; mat. no. 3:27-39 '63.
- Existence of several solutions to Dirichlet's problem for an equation with a Monge-Ampère operator. I. A. Guberman. Uch. zap. Ped. inst. Gerts. 238:132-140 '62.
Spectral theory of the operator $-\Delta u + Ku$ in infinite space where K is a bounded Hermitian operator. V. N. Pivnenko. Izv. vys. ucheb. zav.; mat. no. 3:122-134 '63.
Synthesis of operators. N. I. Glebov. Probl. kib. no. 8:191-200 '62.
Use of difference splitting operators. E. G. D'Imkonov. Zhur. vych. mat. i mat. fiz. 3 no. 2:385-388 Mr-Apr '63.
- OPERTTA** see subdivision under Odessa
- OPHTHALMOLOGY—CONGRESSES**
Nineteenth International Congress of Ophthalmologists. S. K. Karanov. Zdrav. Turk. 7 no. 2:45-46 F '63.
- OPTICAL INSTRUMENTS**
Distortion in optical tubes due to heat convection [with summary in English]. A. N. Kozlova. Inzh. -fiz. zhur. 8 no. 3:110-113 Mr '63.
- OPTICAL INSTRUMENTS—ABSTRACTS**
[Precision mechanics, optics, and testing apparatus] Ref. zhur.: Toch. mekh., opt. i isp. app. no. 6 My '63.
- OPTICS**
Quantum threshold of the sensitivity of the eye. V. K. Kagan. Svetotekhnika 9 no. 3:7-11 Mr '63.
- OPTICS—MODELS**
Model of the optical system of an eye. N. S. Efremov. Fiz. v shkole 23 no. 1:55 Ja-F '63.
- OPTICS, PHYSIOLOGICAL**
The individual scale for rounding off measurement readings [with summary in English]. I. D. Fainerman. Vop. psikh. 9 no. 2:91-95 Mr-Apr '63.
Light and sound measurements in physics. N. M. Liven-tsev. Fiz. v shkole 23 no. 1:95-98 Ja-F '63.
- ORATORIO**
What worries us at present. M. Elit. Sov. muz. 27 no. 1:17-24 Ja '63.
- ORDZHONIKIDZE—GLASS MANUFACTURE—HYGIENIC ASPECTS**
Health shop. V. Goncharenko. Okhr. truda i zots. strakh. 6 no. 3:21 Mr '63.
- ORE DEPOSITS**
(see also subdivision under Altai Mountains; Indigirka Valley; Krivoy Rog Basin; Kuznetsk Ala-Tau; Saksagan region; Sikhote-Alin' Range; Soviet Central Asia; Soviet Far East)
Basic concepts of the hydrochemical prospecting method for ore deposits. A. A. Brodskii. Vop. gidrogeol. i inzh. geol. no. 20:99-110 '62.
Results of the activity of the Third All-Union Conference on the Formation and Distribution of Endogenic Deposits in the Alpine Geosynclinal Zone in the U.S.S.R. Sh. A. Azizbekov. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nefit. no. 6:115-117 '62.
Role of geochemical landforms in hydrochemical prospecting for ore deposits as revealed by ore deposits in northern Armenia. S. R. Krainov. Vop. gidrogeol. i inzh. geol. no. 20:111-116 '62.
Role of sorption in the zinc concentration in sedimentary rocks. E. V. Rozhkova, O. V. Shcherbak, V. M. Sankin. Min. syr'e no. 6:61-74 '62.
- ORE DEPOSITS—CLASSIFICATION**
Principles of the classification of mineral deposits based on the hydrogeology and engineering geology. I. N. Pavlov. Vop. gidrogeol. i inzh. geol. no. 20:66-70 '62.
- ORE DRESSING**
(see also subdivision under Chitura region; Krivoy Rog Basin; Leningorsk, East Kazakhstan Province; Olenegorsk region)
Advantage of using combined flow sheets in the production of high-grade concentrates. L. I. Grossman. Obog. rud. 7 no. 4:23-28 '62.
Beneficiation of lean manganese ores of the Nikopol' Basin. S. F. Shinkorenko, M. Kh. Timofeeva. Obog. rud. 7 no. 4:11-14 '62.
Classification of tin-bearing ores by their beneficiation properties. E. N. Vishnevskii. Obog. rud. 7 no. 2:11-16 '62.
Combined flow sheets for copper recovery from hard-to-concentrate ores. P. M. Perlov, A. I. Eskin, T. M. Miagkova. Obog. rud. 7 no. 5:22-25 '62.
Determining indices for the dressing of complex iron ores with the help of triangular diagrams. N. P. Zhukovskii, A. S. Petrov. Obog. rud. 7 no. 3:29-33 '62.
Determining the rate of the hindered settling of particles by the circulation method. B. V. Kizel'val'ter. Obog. rud. 7 no. 3:24-28 '62.
Experimental use of belt conveyors. A. V. Anikeev. Met. i gornorud. prom. no. 1:53-56 Ja-F '63.
Filtering the products of the dressing of nonferrous and precious metal ores. G. A. Finkel'shtein, L. A. Shilova. Obog. rud. 7 no. 6:36-40 '62.
- Flow sheet of the Gari ore dressing plant. S. G. Enikovich, A. S. Petrov, K. S. Chepurnykh. Obog. rud. 7 no. 4:3-10 '62.
Further technical progress in ore dressing in ferrous metallurgy. R. P. Kaplunov, E. F. Moskal'kov, A. F. Rossmil't. Gor. zhur. no. 4:3-7 Ap '63.
Introduction of and outlook for using electronic computers and automata in ore dressing. Gor. zhur. no. 3:33 Mr '63.
Method of automatically controlling the turbidity of a thickener overflow. G. A. Khan, V. V. Smirnov, M. G. Zaznobin. Obog. rud. 7 no. 2:30-42 '62.
Methods of separating lead-copper concentrates. K. G. Bakinov. Obog. rud. 7 no. 5:16-22 '62.
- Moscow, Tsentral'nyi institut informatsii i avtomatizatsii. [Central Institute of Information and Automation]**
[Copper industries in capitalist countries] Mednaya promyshlennost' kapitalisticheskikh stran. Moskva, Pt. 1. [Mining and treatment of copper ores] Dopr. cha i obogashcheniye mudykh rud, 1962, 171 p.
- [MICROFILM]**
Prospects of using automata in ore dressing plants. M. F. Lokonov, I. V. Olevalina. Gor. zhur. no. 3:56-63 Mr '63.
Results of theoretical analysis of the screening process. E. A. Nepomniashchii. Obog. rud. 7 no. 5:20-35 '62.
Sergo, E. E. [Washing ferrous metal ores] Promyivka rud chernykh metallov. Moskva, Gosgortekhnizdat, 1963, 143 p.
Theory and practice are inseparable. L. P. Shupov. Gor. zhur. no. 3:54-56 Mr '63.
- ORE DRESSING—BIBLIOGRAPHY** see Bibliography—Ore dressing
- ORE DRESSING—CONGRESSES**
Conference on the production and dressing of iron ores from the Kursk Magnetic Anomaly. Z. S. Bogdanova, L. T. Ozolin. Obog. rud. 7 no. 6:43 '62.
Krivoy Rog conference on exchange of experience in the design of ore dressing plants. M. V. Ushakov. Obog. rud. 7 no. 2:51-62 '62.
- ORE DRESSING—EQUIPMENT AND SUPPLIES**
Automatic hydraulic classifier. E. I. Kul'tin. Obog. rud. 7 no. 4:55-58 '62.
Determining the size of industrial thickeners by the result of industrial tests. V. P. Kondukov. Obog. rud. 7 no. 6:10-20 '62.
Dressing fine-grained iron ore on an air-driven pulsating jigger. A. I. Poyarov. Obog. rud. 7 no. 5:11-15 '62.
Dust control in an apatite-nephelite ore dressing plant. R. N. Nikiforov. Obog. rud. 7 no. 4:47-51 '62.
Methods of calculating the torsional elastic system of resonance vibration machines. A. I. Makarov. Obog. rud. 7 no. 3:45-49 '62.
Multiple riffle for ores and concentration products. P. I. Vasil'ev. Obog. rud. 7 no. 2:42-43 '62.
Parameters and output of spiral classifiers. I. N. Isayev. Obog. rud. 7 no. 6:25-29 '62.
Urgent task of redesigning dressing apparatus on drag. I. I. Afanas'ev. Gor. zhur. no. 4:62-63 Ap '63.
- ORE DRESSING—INDUSTRIAL CAPACITY**
Reorganization and expansion of plants in operation is an efficient way of developing ore dressing capacities. V. K. Zakhvatkin. Obog. rud. 7 no. 5:3-11 '62.
Reorganization and expansion of plants in operation is an efficient way of developing ore dressing capacities (conclusion). V. K. Zakhvatkin. Obog. rud. 7 no. 6:3-11 '62.
- OREKHOVO-ZUYEVO—AUDITING AND INSPECTION**
Practice in checking cash discipline. N. N. Iolnev. Den. i kred. 21 no. 4:36-37 Ap '63.
- OREKHOVO-ZUYEVO—BANKS AND BANKING**
Practice in checking cash discipline. N. N. Iolnev. Den. i kred. 21 no. 4:30-37 Ap '63.
- OREKHOVO-ZUYEVO—MACHINERY INDUSTRY—STANDARDS**
First results of the work of the Standardization and Research Station of the Orekhovo-Zuyevo Plant Combine. M. S. Dolgikh. Torf. prom. 40 no. 3:18-20 '63.
- OREL PROVINCE—INSURANCE, SOCIAL**
When the community is indifferent. V. Leon'tev. Sol. obsep. 24 no. 4:17-19 Ap '63.
- OREL REGION—AGRICULTURAL ADMINISTRATION**
Valuable initiative. A. Sukharev. Agitator no. 15:53 Ag '62.
- ORENBURG—FLOUR AND FEED TRADE—ACCOUNTING**
Introduction of accounting at the Orenburg Feed Mill. V. Tsinberg. Muk. -elev. prom. 29 no. 1:19-11 Ja '63.
- ORENBURG—SILK MANUFACTURE**
Expand and intensify! E. Luk'ianova, I. Novikova. Agitator no. 9:20-22 My '63.
- ORENBURG PROVINCE—AGRICULTURAL ADMINISTRATION**
The party committee and the primary party organization. E. Kuz'min. Part. zhizn' no. 8:50-53 Ap '63.

106\$

- OWLS see subdivision under Caspian Sea region; Moscow
- OXADIAZINE**
Rearrangement of 5-acyloxy-6-alkyl-5,6-dihydro-[1,2,3,4]-tetrahydropyrimidin-2,3,4-triazine-2,3,4-triazine to derivatives of 4-benz-(a,h)phenazine. V. A. Koptug, L. B. Volodarskii. Zhur. V KHO 8 no. 3:115 '63.
- OXALATES**
Formation of mixed complex compounds of metal oxalates in ethylenediamine solutions. I. A. D. Fridman and others. Zhur. neorg. khim. 8 no. 3:676-684 Mr '63.
Thermal decomposition of solid solutions of salts. Part 1: Isothermal decomposition of binary solid solutions of iron, cobalt, and nickel oxalates. V. P. Kornienko, M. N. Dubrovskaya. Ukr. khim. zhur. 29 no. 3:262-271 '63.
- OXALIC ACID**
Reaction of titanium with hydrogen peroxide and oxalic acid. L. I. Dubovenko, E. I. Gerasenko. Ukr. khim. zhur. 29 no. 3:255-258 '63.
- OXIDATION**
Autooxidation of p-dicyclohexylbenzene. I. N. Novikov, S. V. Zavgoredni. Dokl. AN SSSR 148 no. 4:853-855 F '63.
Certain variations in the phase composition of the reaction mass in the process of oxidative catenation of chromite charges. V. A. Riabin, I. A. E. Vil'nianskii, V. P. Pavlova. Dokl. AN SSSR 149 no. 3:652-655 Mr '63.
Composition of alcohols obtained in liquid phase oxidation of naphthalene hydrocarbons. A. N. Bashkurov, A. I. Kistanova. Dokl. AN SSSR 148 no. 4:829-831 F '63.
Continuous process for paraffin oxidation in a liquid foamed state. S. A. Stepaniants and others. Masl. - zhur. prom. 29 no. 3:21-23 Mr '63.
Determination of microquantities of iodide by its catalytic action on thiocyanate oxidation reactions [with summary in English]. K. B. Ilatinski and others. Zhur. anal. khim. 18 no. 1:103-108 Ja '63.
Determination of thiol groups; conditions ensuring their quantitative oxidation to the disulfide state [with summary in English]. O. K. Khomenko, S. M. Tsykalova. Ukr. biokhim. zhur. 34 no. 6:888-896 '62.
Effect of intermittent testing on the kinetics of dipentene oxidation. L. I. Shecharbak, M. I. Mitakovich. Vestn. AN SSSR, Ser. fiz.-tekhn. nauk. no. 1:72-75 '63.
Effect of the solutions of the oxidizing agent (sodium hypochlorite) on cellulose fibers. F. I. Korchemkin. Sbor. trad. TSNIKHI no. 14:116-119 '61.
High temperature oxidation of metal uranium. A. F. Beasonov, V. G. Vlasov. Fiz. met. i metalloved. 15 no. 3:477-479 Mr '63.
Investigating the oxidation of niobium-titanium-zirconium alloys. D. A. Prokoshkin, E. V. Vasil'eva, A. M. Rlyabysh. Trudy Inst. met. no. 13:157-162, '63.
Investigating the oxidation of niobium-vanadium alloys. D. A. Prokoshkin, E. V. Vasil'eva. Trudy Inst. met. no. 13:152-156 '63.
Investigation of high-temperature oxidation of copper. E. I. Krupnikova-Perlina. Fiz. met. i metalloved. 15 no. 3:391-396 Mr '63.
Kinetics and the mechanism of niobium oxidation. D. A. Prokoshkin, E. V. Vasil'eva. Trudy Inst. met. no. 13:143-151 '63.
Mechanism of oxidation of cellulose ethers by oxygen. Part 15: Effect of the chain length of the substituent in aliphatic cellulose ethers on their oxidation rate [with summary in English]. M. P. Koslov and others. Vysokom. soed. 5 no. 3:424-427 Mr '63.
Oxidation of p-chlorotoluene in the liquid phase. I. N. Ruban, K. A. Chervinskii, O. V. Varshavskaya. Zhur. V KHO 8 no. 2:227 '63.
Thermal oxidative degradation and stabilization of some polyamides. I. I. Levantovskaya and others. Plast. massy no. 3:19-23 '63.
- OXIDATION, PHYSIOLOGICAL**
Cold uncoupling of oxidation and phosphorylation in the muscles of albino mice [with summary in English]. V. P. Skulachev and others. Biokhimiya 28 no. 1:70-78 Ja-F '63.
Effect of a series of hydrocarbons and ultraviolet irradiation of the skin on the biochemical oxidation of nucleic acid. A. Z. Babayev. Sbor. trad. Azerb. nauch.-issl. inst. kar. i fiz. metod. lech. no. 3:26-30 '59.
Effect of a vitamin P preparation from tea leaves on the respiration of tissues. L. E. Teras. Biokhim. chain. proizv. no. 9:201-203 '62.
- OXIDATION-REDUCTION REACTION**
Certain problems in the theory of analytical color reactions with organic reagents. Report No. 4: Oxidation reaction of octamethyltetraminetetraphenylethylene [with summary in English]. A. I. Cherkosov. Zhur. anal. khim. 18 no. 1:24-28 Ja '63.
Redox processes in the maturing of cognac alcohols and brandies. E. M. Shpritsman. Trudy MNIPP 2:17-30 '62.
- Seasonal dynamics of the oxidation-reduction potential and iron soluble in acids (Fe^{2+} and Fe^{3+}) in turf-Podzolic soils. N. G. Zyrin, N. M. Grindel'. Nauch. dokl. vys. shkoly; biol. nauki no. 2:175-181 '63.
- OXIDES**
Interaction of β - and γ -oxides with phosphorus chlorides. N. I. Shukin, I. F. Bel'skii, I. E. Grushko. Izv. AN SSSR, Otd. khim. nauk no. 3:557-558 Mr '63.
- OXYACETYLENE WELDING** see Gas welding and cutting
- OXYGEN**
Analyzing the conditions of the oxygen feeding of wine in bulk maderization. I. B. Platonov. Trudy KIPP no. 22: 250-256 '61.
Certain regularities in the oxidation of carbon by oxygen. B. M. Derman. Trudy IGI 19:144-147 '62.
Effect of molecular oxygen on the breakdown of the main chain of polydimethylsiloxane rubber. A. S. Kuz'minskii, E. A. Goldovskii. Dokl. AN SSSR 149 no. 3:608-608 Mr '63.
System of bulk maderization of wine under industrial conditions. I. B. Platonov. Trudy KIPP no. 22:257-265 '61.
- OXYGEN—ABSORPTION SPECTRA**
Determining the electron transition moments of the Schumann-Runge band system in oxygen. Part 1. N. I. Kriandach and others. Opt. i spekt. 14 no. 3: 351-361 Mr '63.
- OXYGEN—INDUSTRIAL APPLICATIONS**
Making pig iron with an oxygen-enriched blow. N. P. Viatkin and others. Stal' 23 no. 4:293-296 Ap '63.
- OXYGEN THERAPY**
Dynamics of ballistocardiographic data under the influence of oxygen treatment in patients with hypertension and stenocardia. Sov. med. 26 no. 1:23-28 Ja '63.
Effect of oxygen under pressure on the course of experimental tick-borne encephalitis in white mice [with summary in English]. N. I. Komandenko, Vop. virus. 7 no. 6:658-661 N-D '62.
Treatment of obliterating endarteritis and trophic ulcers of the skin by subcutaneous injection of oxygen in a polyclinic. L. S. Musaelian. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:129-144 '61.
Use of oxygen therapy in an oxygen tent in a polyclinic. E. S. Riazanova. Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:73-82 '61.
- OZONE**
Ozonometric observations at Abastumani [with summary in English]. Sh. M. Chkhaidze. Biol. Abast. astrofiz. obser. no. 29:110-120 '62.
- PACIFIC OCEAN**
"From raft to raft" by Bengt Danielsson. Reviewed by I. M. Zaleskii. Priroda 62 no. 4:35 '63.
Heyerdahl, Thor. [The Kon-Tiki expedition Aku-Aku. Translated from the English]. Puteshestvie na "Kon-Tiki" Aku-Aku. Alma-Ata, Kazakhskoe gos. uchebno-pedagog. izd-vo, 1960. 576 p. (OCI)
- PACIFIC OCEAN—EUPHAUSIACEA**
Ponomareva, L. A. [Euphausiids of the northern half of the Pacific Ocean, their distribution and the ecology of the mass species]. Evrazitskiy severnoi poloviny Tikhogo okeana, ikh rasprostraneniye i ekologiya massovykh vidov. Moskva, Izd-vo Akad. nauk SSSR, 1963. 139 p. [With summary in English]
- PACIFIC OCEAN—MERCHANT MARINE**
Results of a competition in the Pacific Ocean Basin administration of the Scientific Technological Society for Water Transportation. I. P. Strel'tsov. Biol. tekhn. - ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:133-136 '62.
- PACIFIC OCEAN—SEA ICE**
Amount of ice in the Pacific Ocean and variations in it. V. S. Nazarov. Okeanologiya 3 no. 2:243-249 '63.
- PACIFIC OCEAN—SEALS (ANIMALS)**
Sixth session of the Commission on Seals of the North Pacific. Ryb. khoz. 39 no. 4:82 '63.
- PACKED TOWERS**
Effect of pulsation on the operation of packed columns. S. M. Karpacheva and others. Khim. mashinostr. no. 2: 14-17 Mr-Apr '63.
- PACKING (MECHANICAL ENGINEERING)**
Device for manufacturing cardboard packings. Sh. Dzhanlidze. Avi. transp. 41 no. 3:53-54 Mr '63.
Study of the operation of stuffing-box seals of fluoroplast 4 under high pressure. A. M. Zavalko. Khim. mashinostr. no. 2:17-20 Mr-Apr '63.
Stuffing boxes of piston compressors with rubber packing rings. A. Kh. Trukhin. Khim. mashinostr. no. 2:43 Mr-Apr '63.
- PAGEL, JULIUS LEOPOLD, 1851-1912**
Julius L. Pagel; on the 50th anniversary of his death. H. E. Mueller-Dietz. Sov. zdrav. 22 no. 4:102-103 '63.
- PAINT**
Investigating the causes of dust adsorption by paint coatings. A. D. Zhiron. Lakokras. mat. i ikh prim. no. 2:40-47 '63.
Selection of India ink and paints for sketching on glass sheets. P. I. Kopylov. (Trudy) VNIIM no. 45:332-341 '62.
- PAINT—BIBLIOGRAPHY** see Bibliography—Paint
- PAINT—PATENTS**
Classified collection of annotations on paint patents. I. A. M. Gurevich. Lakokras. mat. i ikh prim. no. 2:15 '63.
- PAINT—TESTING**
(see also subdivision under United States)
Instrument for determining the modulus of elasticity of a paint film applied to a base. G. D. Dondo. Lakokras. mat. i ikh prim. no. 2:67-69 '63.
- PAINT, LUMINOUS**
Daylight luminous paints. I. I. Denker, E. P. Kalinina. Lakokras. mat. i ikh prim. no. 2:18-21 '63.
- PAINTERS**
Volynskii, L. N. [Countenance of the times; book on Russian artists]. Litso vremeni; kniga o russkikh khudozhnikakh. Moskva, Dotgiz, 1962. 222 p. ill.
- PAINTERS, UKRAINIAN**
Illustrator of Ukrainian songs. M. Zubochen', V. Kozlov. Ukraina no. 4:27 F '63.
- PAINTERS, WHITE RUSSIAN**
Love of man. A. Allakandrov, Belarus' 20 no. 3:17 Mr '63.
- PAINTING**
(see also subdivision under Transcarpathia)
Public recognition given inspiration to the artist. Sov. profsoyuzy 10 no. 7:24-25 Ap '63.
Russia, my country. V. Meshkov. Ogonek 41 no. 14: 26 Mr '63.
- PAINTING, INDUSTRIAL**
(see also subdivision under Germany, East)
Answering queries on the application of paint materials. Lakokras. mat. i ikh prim. no. 2:72 '63.
Use of water soluble styrene butadiene paints. N. M. Dubrovskii. Transp. stroi. 13 no. 3:56 Mr '63.
- PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES**
We make wide use of small machinery. N. A. Kadachnikov. Transp. stroi. 13 no. 4:43 Ap '63.
- PAINTINGS—CONSERVATION AND RESTORATION**
A. F. Mitrokhin as restorer of paintings. K. Orlov. Soob. Gos. Ermit. no. 23:31-32 '62.
- PAINTINGS, CUBAN—EXHIBITIONS** see subdivision under Moscow
- PAINTINGS, ITALIAN—EXHIBITIONS** see subdivision under Moscow
- PAINTINGS, KARA-KALPAK**
Inspired paintings. T. Adilbekov. Uzbekistan 21 no. 13 D '62.
- PAKHUTOVA, ALEKSANDRA NIKOLAEVNA, 1929-**
Together with heroes of songs and operettas... M. Nest'eva. Sov. muz. 27 no. 1:101-102 Ja '63.
- PALATE—SURGERY**
Two-stage uranoplasty. I. V. Borduk. Stomatologiya 41 no. 6:50-53 S-O '62.
Use of drills in the resection of the osseous rings of the greater palatine foramen. I. S. Karapetian. Stomatologiya 41 no. 5:93-94 S-O '62.
- PALATE, CLEFT** see Cleft palate
- PALEOBOTANY, STRATIGRAPHIC** see subdivision under Chelyabinsk Basin; Kamchatka; Kazakhstan; Ural Mountains
- PALEOGEOGRAPHY**
(see also subdivision under Smolensk Principality)
"Fundamentals of general paleogeography" by L. B. Rukhin. Reviewed by V. M. Shinteyn [with summary in English]. Vest. LGU 18 no. 6:146-150 '63.
- PALEOGRAPHY, RUSSIAN**
Zhukovskaya, L. P. [Development of Slavich-Russian paleography; in prerevolutionary Russia and the U. S. S. R.]. Razvitiye slaviano-russkoi paleografii; v dorevoliutsionnoi Rossii i v SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1963. 141 p.
- PALEONTOLOGICAL SOCIETIES**
Conference of the Siberian Branch of the All-Union Paleontological Society. T. V. Astakhova. Geol. i geofiz. no. 1:148-150 '63.
Meeting of the Paleontological Society in Tübingen. R. A. Orlov. Paleont. zhur. no. 1:147-150 '63.

PALEONTOLOGY

(see also subdivision under Crimean Mountains)
Classification of the traces of vital activities of organisms and structural marks in molasse and flysch layers. O.S. Vialov. Geol. zhur. 23 no. 1:16-20 '63.
Notes of the meetings of Soviet and foreign paleontologists in 1962. P.K. Chudinov. Paleont. zhur. no. 1:150 '63.

PALEONTOLOGY, STRATIGRAPHIC

(see also subdivision under Svash Valley; Tajik Depression; Volga-Ural region)
Gennar, V.V. Biostratigraphical bases for the correlation of marine, lagoon, and continental series. Biostratigraficheskie osnovy sopostavleniya morskikh, lagunnykh i kontinental'nykh svit. Moskva, Izd-vo Akad. nauk SSSR, 1962. 374 p. (Akademiya nauk SSSR. Geologicheskii institut. Trudy, no. 65)

PALLADIUM-OSMIUM ALLOYS

Phase diagram of the system palladium - osmium. M.A. Tytkina, V.P. Poliakova, O.Kh. Khamidov. Zhur. neorg. khim. 8 no. 3:776-770 Mr '63.

PALAE, FOSSIL see subdivision under Turkmenistan

LYGORSKITE see subdivision under Mangyshlak Peninsula

LYNOLOGY

(see also subdivision under Turgay Gates; Zaporozh'ye Province)
Presence of fossil spores of the genus Mohria in the U.S.S.R. I.Z. Kotova. Paleont. zhur. no. 1:140-141 '63.

LYNOLOGY—CONGRESSES

Methodological conference of palynologists. P.V. Fedorova, N.A. Kholitskiy. Izv. AN SSSR. Ser. geog. no. 2:152-153 Mr-Apr '63.

MIR-ALAY—BOTANY

Seasonal changes in the aspects of the main types of vegetation in the Pamir-Alay low mountain range. M.I. Priekhin. Izv. Vses. geog. ob-va 95 no. 1:60-71 Ja-F '63.

MIRS—ATMOSPHERE

Features of the tropopause above the eastern Pamirs in the summer. B.S. Chuchkalov. Trudy TSIP no. 118:22-35 '62.

MIRS—METEOROLOGY—OBSERVATIONS

Pariskaya ekspeditsiya 1957-1959 gg. [Data of the Pamir Expedition of 1957-1959] Materialy. Moskva, Mosk. gos. univ. No. 1. [Aerological observations] Aerologicheskie nabludeniya. 1962. 234 p.

MIRS—MOUNTAINEERING

White heart of the Pamir. Ihor. Zasedna. Znannia ta pratsia no. 2:21-22 F '63.

MIRS—PLANTS—TRANSPIRATION

Transpiration of plants in the upper part of the alpine belt of the eastern Pamirs. N.N. Ismailova. Bot. zhur. 48 no. 2:250-255 F '63.

ANORAMAS see subdivision under Moscow

ANTHERS see subdivision under India

APER

Bobrov, A.I., and S.K. Sidorov. [Manufacture of cable paper] Proizvodstvo kablov'noi bumagi. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatывalushchei promyshli., 1962. 47 p.

[MICROFILM]

APER—TESTING

Sosarovichskii, L.A. [Basic characteristics of chalk overlay paper for printing and methods for their control] Osnovnye svoystva metovannoi bumagi dlia pechatii i metody ikh kontrolya. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatывalushchei promyshli., 1962. 147 p.

[MICROFILM]

APER BOX MACHINERY

Machine for cutting paperboard for the manufacture of packaging cartons. I.U.B. Galkin, L.R. Dalev. Lezh. prom. no. 1:11-12 Ja-Mr '63.

APER CHROMATOGRAPHY

Automatic camera for chromatography on paper. N.O. Bilinov and others. Lab. delo 9 no. 3:58-59 Mr '63.
A device for automatic application of test solution to the chromatographic paper [with summary in English]. M.M. Zaslavskii, F.O. Shvabman. Biokhimiya 20 no. 1:9-12 Ja-F '63.

Quantitative determination of the higher alcohols in brandy by the paper chromatography method. I.A. Egorov, A.K. Rodopulo. Biokhimiya, vin. no. 7:218-223 '63.

Separation and identification of fatty acids in lipids of the spindle tree by the method of obtaining urea complexes and by paper chromatography. N.V. Sergeeva. Nauch. dokl. vys. shkoly: biol. nauki no. 2:157-160 '63.

Separation of catechins by paper chromatography. G.A. Buzun. Biokhimiya, vin. no. 9:189-191 '62.

Use of paper chromatography in the analysis of textiles. J.Šramek. Tekst. prom. 23 no. 4:69-72 Ap '63.

PAPER-CUTTING MACHINES

Study of the mechanics of sawing blocks. D.A. Pergament. Poligr. proizvod. no. 3:23-24 Mr '63.

PAPER ELECTROPHORESIS

Importance of electrophoretic determination of the glycoproteins and lipoproteins of blood serum in children with rheumatic fever [with summary in English]. E.N. Makaakova, O.S. Shishalovskaya. Vop. revim. 3 no. 1:47-53 Ja-Mr '63.

Necessity of standardizing the method of paper electrophoresis. D.A. Sorokina, A.M. Efimenko. Lab. delo 9 no. 3:3-7 Mr '63.

PAPER INDUSTRY

Technical progress and growth of the production of paper. A.D. Solov'ev, A.A. Bychkova. Poligr. proizvod. no. 3:14-16 Mr '63.

PAPER INDUSTRY—BY-PRODUCTS see subdivision under Siberia

PAPER WORK

Paper work. IE, Kontrobninsk'a. Doshk. vykh. 24 no. 1:34-40 Ja '63.

PAPERBOARD

Packing cardboard from lumbering waste. L.I. Kachelkin and others. Trudy TSNIME no. 37:23-28 '62.

Tol'skii, G.A., V.M. Postrikov, and M.T. Viktorov. [Modern cylinder-screen machines for making cardboard] Sovremennyye kuglosetochnye kartonodelochnyye mashiny; obzor. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatывalushchei promyshli., 1962. 24 p.

[MICROFILM]

PAPERMAKING MACHINERY

Increasing the hardness of rolls for the paper industry. V.K. Bel'govskii, V.I. Parshina. Lit. proizv. no. 4:4 Ap '63.

Moscow. TSentral'nyi institut tekhnicheskoi informatsii i ekonomicheskikh issledovaniy po lesnoi, bumazhnoi i derevobrabatывalushchei promyshlennosti. [Equipment for the manufacture of wallpaper] Oborudovanie dlia proizvodstva oboev. Moskva, 1962. 40 p.

[MICROFILM]

Tol'skii, G.A., V.M. Postrikov, and M.T. Viktorov. [Modern cylinder-screen machines for making cardboard] Sovremennyye kuglosetochnye kartonodelochnyye mashiny; obzor. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevobrabatывalushchei promyshli., 1962. 24 p.

[MICROFILM]

PAPERMAKING MACHINERY—ABSTRACTS

[Technology and equipment of the papermaking and printing industry] Ref. zhur. Tekh. i obor. bumagodel. i poligr. proizvod. no. 5 My '63.

PAPERMAKING MACHINERY—ELECTRIC DRIVING

Kulikovskii, P.K., and A.D. Shustov. [Electric drive for machinery in the cellulose and paper-making industry] Elektroprivod mashin tsellulozno-bumazhnoi promyshlennosti. Moskva, Gosenergoizdat, 1962. 371 p.

PAPPATACI FEVER see subdivision under Ashkhabad

PAPUANS see subdivision under New Guinea

PARACHUTE TROOPS

He serves his country faithfully. V. Radchenko. Kryl. rod. 14 no. 3:4 Mr '63.

PARACHUTING

(see also subdivision under Ukraine)
Aerial relay. F. Neimark. Kryl. rod. 14 no. 3:11 Mr '63.
From the stratosphere. V. Romanuk. Kryl. rod. 14 no. 2:12-13 F '63.
Parachute jumps in large groups. P. Storichenko. Kryl. rod. 14 no. 3:16-16a Mr '63.

PARAFFINS

Catalytic isomerization and aromatization of higher alkanes. N.G. Bekauri, T.S. Shkarashvili. Trudy Inst. khim. AN Gruz. SSR 10:57-65 '62.

Continuous process for paraffin oxidation in a liquid foamed state. S.A. Stepaniants and others. Masl. i zhir. prom. 29 no. 3:21-23 Mr '63.

Dehydrogenation catalysis as a method for investigating naphthenes at a present stage of development of the chemistry of alkanes and cycloalkanes. Kh. I. Arashidze. Trudy Inst. khim. AN Gruz. SSR 10:76-87 '62.

Hydrolysis of 1,1,1-trihaloalkanes and 1,1-dihalo-1-alkene by water at 250-330°C. Sh. A. Karapetian, N.V. Kruglova, R.Kh. Freidlina. Izv. AN SSSR. Otd. khim. nauk no. 2:307-311 F '63.

Solubility of paraffin in an acetone - benzene mixture. A.P. Grishin, A.P. Kodzoeva. Khim. i tekhn. topl. i masel. 8 no. 3:15-16 Mr '63.

PARAFFINS—ACOUSTIC PROPERTIES

Ultrasound absorption in the melting region of polyethylene paraffin. N.I. Koshkin, D.V. Sheloput. Prim. ultrazvuk, k issl. veshch. no. 16:97-99 '62.

PARAMAGNETIC RESONANCE AND RELAXATION

Calculation of the paramagnetic resonance spectrum of Mn²⁺. M.M. Zaripov, Sh. F. Martazis, V.G. Stepanov. Opt. i spekt. 14 no. 3:421-422 Mr '63.

Dynamic polarization of nuclei by the saturation of non-uniformly broadened lines of electron paramagnetic resonance. A.V. Kessentkh, A.A. Manenkov. Fiz. tver. tela 5 no. 4:1143-1146 Ap '63.

Electron paramagnetic resonance in silicate glasses containing trivalent titanium. N.S. Garf'yanov, M.I. Rubtsov, I.U. M. Ryzhmanov. Stek. i ker. 20 no. 3:11-12 Mr '63.

Electron paramagnetic resonance of Ta²⁺ in CaF₂. P.P. Pashinin, A.M. Prokhorov, V.T. Udovenchik. Fiz. tver. tela 5 no. 4:1221-1222 Ap '63.

On the theory of paramagnetic spin-lattice relaxation in crystals with ions in the S-state. Phonon Raman processes. A.M. Leushin. Fiz. tver. tela 5 no. 3:851-861 Mr '63.

Paramagnetic resonance of silver atoms trapped in polar media at 77°K [with summary in English]. R.A. Zhitnikov, N.V. Kolesnikov, V.I. Koshakov. Zhur. eksp. i teor. fiz. 44 no. 4:1204-1210 Ap '63.

Spin inversion levels in a magnetic field and the electron paramagnetic resonance spectrum of octahedral Cu²⁺ ion complexes [with summary in English]. I.R. Bersukor. Zhur. eksp. i teor. fiz. 44 no. 4:1239-1247 Ap '63.

Spin-lattice relaxation in neutron-irradiated quartz. I.A. L. Shamfarov, T.A. Smirnova. Fiz. tver. tela 5 no. 4:1046-1048 Ap '63.

Theory of paramagnetic relaxation of F-centers in magnetic fields of arbitrary strength. M.F. Delgen, G.V. Korobko. Fiz. tver. tela 5 no. 4:1126-1131 Ap '63.

Ultrasonic excitation of vibrations of Bloch walls and nuclear acoustic paramagnetic resonance in ferromagnetics. L.L. Butshvili. Fiz. tver. tela 5 no. 4:1027-1030 Ap '63.

Use of spectroscopic methods in studying electron paramagnetic resonance and gamma-irradiated cellulose materials. I.M. Armolenko, A.K. Patopovich, V.N. Makutin. Vest. AN SSSR. Ser. fiz.-tekhn. nauch. no. 1:65-71 '63.

PARAMAGNETISM

Light echo on paramagnetic crystals. U.Kh. Kopyllem, V.R. Nagibarov. Fiz. met. i metalloved. 15 no. 2:313-315 F '63.

Superconductivity in inhomogeneous paramagnetic materials and high critical fields of alloys. S.V. Vansovskii, M.S. Svirskii. Fiz. met. i metalloved. 15 no. 2:318-320 F '63.

PARANOA

Clinical aspects and forensic psychiatric evaluation of protracted alcoholic paranoia. V.V. Anuchin. Probl. sud. psikh. no. 12:59-71 '62.

PARASITES—BISON, EUROPEAN see subdivision under Belavezskaya Pushcha

PARASITES—DOMESTIC ANIMALS see subdivision under Moldavia

PARASITES—FISHES see subdivision under Amur River; Dnieper Valley; Kakhovka Reservoir

PARASITES—FOREST INSECTS

A symposium on the use of ants as a means of agricultural and forest pest control. G.A. Viktorov. Vest. AN SSSR 33 no. 4:113-114 Ap '63.

PARASITES—TROUT see subdivision under Kamchatka

PARATYPHOID FEVER

Ivanova, Kh. A., N.S. Loginova, and O.S. Makhmudov. [Typhoid fever and paratyphoid fever in children] Brishnoi tif i paratifiy u detoi. Tashkent, Medgiz, UzSSR, 1962. 169 p.

PARENT AND CHILD

Fathers and children. K Berezhnoi. Doshk. vosp. 30 no. 2:71-75 F '63.
To a young mother. Doshk. vosp. 30 no. 2:79-80 F '63.

PARENT AND CHILD (LAW)

You should be worthy of your parental rights. M. Radashkevich. Itab. i stal. 30 no. 2:17 F '63.

PARENTAL THERAPY

Intraosseous infusions in extensive burns [with summary in English in Russian]. N.I. Atlasov. Ortop., travm. i protez. 23 no. 11:58-62 N '62.

PARENTS' AND TEACHERS' ASSOCIATIONS see subdivision under Khrushchevka District

PARIS—COMMUNE, 1871

Duclos, Jacques. [Storming the heavens; the Paris Commune was a forerunner of the new world. Translated from the French] Na shturm neba; Parizskaya kommuna - predvestnik novogo mira. Porovod s frantsuzskogo [i redaktatsionnye primechaniya A.I. Moloka] Moskva, Izd-vo inostr. lit-ry, 1962. 322 p. (InU)

The exhibition "On the Ninetieth Anniversary of the Paris Commune." E. Kamenetskiya. Soob. Gos. Erm. no. 2:73 '62.

- PARIS—EXHIBITIONS**
Automobiles at the Paris Automobile Exhibition of 1962. IU, V. Naumov. Avt.prom. 20 no. 6:48 My '63.
Forty-ninth International Exhibition in Paris. L. Afanas'ev. Avt.transp. 41 no. 3:61-62 Mr '63.
- PARIS—TELEVISION BROADCASTING**
A la Bonn. P. Smolenskii. Sov.pech. no. 3:57 Mr '63.
- PARIS—THEATER**
"TNP" goes into its twelfth season... M. Z. Teatr 24 no. 4:156-157 Ap '63.
- PARKS**
Kruglov, I. G. [Planning city parks; their location and design] Planirovka gorodskikh sadov, razmeshchenie i raschet. Leningrad, Gos. izd-vo lit-ry po stroit. i arkhit., 1955, 179 p. illus. (Wau)
- PAROLE**
"Release on parole" by I. M. Tkachevskii. Reviewed by A. Natushev. Sots. zakon. 39 no. 7:95-98 Ji '62.
There should be no release on parole without proper ground. I. Bulda. Rad.pravo no. 3:129 My-Je '62.
- PAROTID GLANDS**
Study of ribonucleic acid in the cytoplasm of acinar cells of the parotid gland in the secretory cycle. N. V. Nechaeva. Dokl. AN SSSR 140 no. 4:929-932 F '63.
- PAROTITIS** see Mumps
- PARRA, VIOLETA**
Violeta Parra; rhythms, songs, colors. Maria Luisa Vicentini. Zhen. mira no. 1:21-24 '63.
- PART, ARVO**
Listening to "The tread of the world." L. Normet. Sov. muz. 27 no. 1:25-28 Ja '63.
- PARTHA—FORTIFICATION, PRIMITIVE**
Parthian fortification. G. A. Koshelenko. Sov. arkheol. 7 no. 2:57-73 '63.
- PARTIAL DIFFERENTIAL EQUATIONS** see Differential equations, Partial
- PARTICLE ACCELERATORS**
Arrangement of magnet units along the accelerator ring. L. L. Gol'din, A. G. Stadnikov. Prib. i tekhn. eksp. 7 no. 4:189-202 Ji-Ag '62.
Electrostatic accelerator-injector in a proton synchrotron. I. F. Malyshev and others. Prib. i tekhn. eksp. 7 no. 4:37-45 Ji-Ag '62.
Output unit of a linear electron accelerator up to an energy of 90 Mev. I. A. Grishakov and others. Prib. i tekhn. eksp. 8 no. 2:28-28 Mr-Ap '63.
System for determining the position of a proton beam. A. A. Kuz'min and others. Prib. i tekhn. eksp. 7 no. 4:126-131 Ji-Ag '62.
- PARTICLE SIZE DETERMINATION**
Method for granulometric determination of building sands. A. T. Hrechishnykov. Geol. zhur. 23 no. 1:83-94 '63.
Rapid method for determining the granulometric composition of the clay slips. M. S. Koms'ka, Zh. S. Fed'ko. Leh.prom. no. 1:84-85 Ja-Mr '63.
- PARTICLE TRACK PHOTOGRAPHY** see Photography, Particle track
- PARTICLES (NUCLEAR PHYSICS)**
Contemporary status of the theory of elementary particles. W. Helsenberg. Priroda 52 no. 4:52-53 '63.
Elementary particles and the law of conservation (continued). B. Bukhovtsev, G. Miakishvili. IUn. tekhn. 7 no. 4:70-74 Ap '63.
Fifth state of matter. V. S. Emel'yanov. Nauka i zhizn' 30 no. 1:33-34 Ja '63.
Sokolov, A. A. [Elementary particles] Elementarnye chastitsy; rasshirennaia publichnaia lektsiia prochniana v lektsii MGU 10 ianvaria 1962, g. [Moskva] Izd-vo Mosk. univ., 1963, 67 p.
- PARTITION**
Judicial practice in cases concerning the partition of farmsteads and the apportionment of their parts to withdrawing members. V. Maslov. Rad.pravo no. 1:49-56 [Ja-F] '63.
Partition of a jointly-owned building. A. Esava. Rad.pravo no. 1:117-120 [Ja-F] '63.
- PASSERFORMES** see subdivision under Zoravshan Valley
- PASTEURELLA**
Chemical composition of lipids of pseudotuberculosis bacteria [with summary in Russian]. A. T. Astvatsatur'ian. Ukr. biokhim. zhur. 34 no. 5:741-749 '62.
- PASTRY**
Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Production of shortenings and their use in the manufacture of pastry] Poluchenie shortingov i primeneniye ikh pri proizvodstve konditserskikh izdelii. Moskva, 1962, 28 p. (Tekhnicheskaya informatsiya) [MICROFILM]
- PASTURES AND MEADOWS**
(see also subdivision under Belaya Valley, Bashkiria; Crimea; Kazakhstan; Tatar A. S. S. R.; Volga Prov.)
"Meadows and pastures" [translated from the German] by Ernst Klapp. Reviewed by I. V. Larin. Bot. zhur. 48 no. 3:456-460 Mr '63.
- PATENTS**
Give special attention to patent literature. I. Nud'ga. Bibliotekar' no. 2:11-12 F '63.
Riabokon', P. F. [The rights of efficiency experts and inventors] Prava ratsionalizatoriy i vynakhidnykh, Kyiv, Derzh. vyd-vo polit. lit-ry, URSR, 1961, 37 p. table. (MH-L)
- PATENTS (INTERNATIONAL LAW)**
Patent purity of export production. L. Ananova, E. Gavrilov. Vneshtorg. 43 no. 4:49-51 '63.
- PATHOGENIC FUNGI** see Fungi, Pathogenic
- PATHOGENIC MICROORGANISMS** see Microorganisms, Pathogenic
- PATHOLOGICAL ANATOMY** see Anatomy, Pathological
- PATHOLOGICAL PSYCHOLOGY** see Psychology, Pathological
- PATHOLOGY**
Abrikosov, A. I. [Allergy and problems of pathology] Allergiya i voprosy patologii. Moskva, Izd-vo Akad. nauk SSSR, 1963, 487 p. (DNLM)
"Problems of endemic pathology." Reviewed by P. V. Sinovskii. Azerb. med. zhur. no. 2:72-76 F '62.
- PATHOLOGY—ABSTRACTS**
[General problems of pathology. Oncology] Ref. zhur.: Ob. vop. pat. Onk. no. 10 My '63.
- PATHOLOGY—CONGRESSES**
Vsesoyuznaya konferentsiya patofiziologov. 3d, Sverdlovsk. [Problems of immunopathology] Voprosy immunopatologii; trudy. Moskva, Medgiz, 1963, 257 p. (DNLM)
- PATHOLOGY, CELLULAR**
Specificity of LE cells [with summary in English]. I. V. Vakhitengina, S. Vainichek, M. Svoitka. Vop. revm. 1 no. 3:21-25 Ji-S '61.
- PATTERNMAKING**
Equipment for the continuous preparation of a paste-like material. A. R. Rabinovich, I. D. Ivanov. Lit. proizv. no. 4:18-9 Ap '63.
- PATUSHINSKII, GRIGORII ISAIEVICH, 1881-1962**
Obituaries. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:94 '63.
- PAVEMENTS**
Special features of the design of flexible top dressings of roads for superheavy vehicles. M. Korsunskii. Avt. dor. 20 no. 2:26-28 F '63.
- PAVEMENTS, CONCRETE**
(see also subdivision under Tula)
Concrete leveler. A. M. Shchegol. Mekh. stroit. 20 no. 4:24-25 Ap '63.
- PAVEMENTS, CONCRETE—CORROSION**
Stability of concrete pavements and the role of air-entraining additives. A. N. Zashchepin, N. N. Iankikh. Avt. dor. 20 no. 4:16-18 Ap '63.
- PAVLODAR PROVINCE—HEALTH RESORTS, WATERING PLACES, ETC.**
Health resorts and curative localities of Pavlodar Province. S. I. Zamiatin, R. N. Red'ko. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:12-26 '62.
- PAVLODAR PROVINCE—PLANTS, PROTECTION OF**
Plant protection in Pavlodar Province. I. K. Riabchenko. Zashch. rast. ot vred. i bol. 6 no. 11:4-5 N '61.
- PAYLOV, IVAN FOMICH, 1907-1950**
Dilchakov, I. I. [Hero of the winged guards] Bogatyr' krylatoi gvardii; dokumental'nyi ocherk. Alma-Ata, Kazakhskoe gos. izd-vo, 1962, 116 p. [MICROFILM]
- PAVLOVSK DISTRICT—RETAIL TRADE**
"We are going to work in a people's store." A. Nenakhov. Sov. potreb. koop. 7 no. 2:16 F '63.
- PAYMENT**
(see also subdivision under Aktyubinsk Province; Nerekhta)
Role of arbitration in the organization of direct payments. L. Malokotin. Den. i kred. 21 no. 4:45-46 Ap '63.
- PEA TREE** see subdivision under Siberia, Western
- PEACE**
(see also subdivision under United States)
The basic problem of modern times. I. Sokolov. Mir. ekon. i mezhdunar. otn. no. 2:15-18 '63.
- Bulgarian Orthodox Church and the defense of 5047. I. Stoflov. Zhur. Mosk. Patr. no. 3:30-31 Mr '63.
"Come and see" by Metropolitan Niphon. Zhur. Mosk. Patr. no. 3:33-35 Mr '63.
Everybody is for peace on earth. V. P. Poregubov. M. k. komm. no. 7:18 Ji '62.
How English workers have struggled for disarmament and peace, 1957-1962 [with summary in English, p. 221]. S. P. Poregubov. Vop. i del. 63-78 Ap '63.
Peace in the world. Zhen. mira no. 1:4 '63.
Permanent committees of the Christian Peace Conference. A. Buevskii. Zhur. Mosk. Patr. no. 3:32-33 Mr '63.
World peace and the mission of the Church. Zhur. Mosk. Patr. no. 3:19-28 Mr '63.
- PEACE—PERIODICALS** see subdivision under States
- PEAS—DISEASES AND PESTS**
Pea Peronospora. B. D. Annanul. Zashch. rast. ot vred. i bol. 6 no. 11:53-54 N '61.
- PEASANT UPRISINGS**
Peasant uprising of 1614-1615. V. A. Izrael. Zap. 73:194-218 '63.
Some methodological problems in the study of the peasant unrest during the Revolution of 1905-1907. K. I. Shabunda. Vestn. AN NSU, Novosibirsk. 53-64 '63.
- PEASANTRY**
(see also subdivision under Russia, North; Yenisey Government)
More about the origin of the capitalist relations in the Russian peasantry before the Revolution of 1905-1907. I. A. Iatsunskii. Ist. SSSR 7 no. 1:110-111 Ja '63.
- PEAT**
(see also subdivision under Novosibirsk Province, Power Station)
Experience in the operation of small briquetting plants with milled peat. A. P. Sokolov. Vop. i del. 63-78 Ap '63.
New method for the high-intensity burning of peat in internal combustion. G. N. Delligin. Trudy IGI 10:194-199 '62.
Peat litter. V. Zhdan. Vneshtorg. 43 no. 3:21-25 Ji-S '61.
Production of peat mineral nitrogen fertilizers under conditions prevailing in state and collective farms. V. I. Lashnev. Torf.prom. 40 no. 3:34-35 '63.
Pulsating character of the burning of peat in combustion chambers. V. M. Puzov. Trudy IGI 10:194-199 '62.
Role of troughs in peat briquetting. Torf.prom. 40 no. 3:21-23 '63.
Ways of increasing the availability of peat for agricultural plants. Z. D. Ozolina, G. M. Blinova. Torf.prom. 40 no. 2:22-25 '63.
- PEAT—TESTING**
Determining the moisture content of peat by a new method discussed by N. I. Skvortsova and I. A. Kozlovskaya. M. P. Volnarovich, N. V. Churayev. Ist. SSSR 7 no. 3:124-126 Mr '63.
- PEAT BOGS**
(see also subdivision under Kazakhstan, West; N. I. D'lin, N. V. Churayev. Torf.prom. 40 no. 3:34-35 '63.
- PEAT GASIFICATION**
Reaction of water vapor with carbon in the gasification of peat coke in a bed. V. A. Olennov. Trudy IGI 10:194-199 '62.
- PEAT INDUSTRY**
(see also subdivision under Baltic States, Latvia; Province; Siberia, Western)
All-Union conference on the production and use of fertilizers with a peat base. G. N. Delligin. Torf.prom. 40 no. 3:34-35 '63.
Brief summary of the 1962 season and tasks for 1963. A. M. Matveev. Torf.prom. 40 no. 2:1-7 '63.
In the Scientific and Technical Council of the State Committee of the Fuel Industry Attached to the State Planning Commission of the U. S. S. R. N. I. Skvortsova. Torf.prom. 40 no. 2:32-33 '63.
In the Technical Council of the State Planning Commission for Design and Planning of Peat Industry Plants Attached to the Supreme Council of the National Economy of the U. S. S. R. N. I. Skvortsova. Torf.prom. 40 no. 3:34-35 '63.
Mechanization of the tamping operations in peat gasification. M. V. Popovich. Torf.prom. 40 no. 2:15-18 '63.
Methods of milled peat sampling during the gasification operations. A. M. Andreevskii. Torf.prom. 40 no. 2:31 '63.
Technological progress in the fuel industry. A. A. Lushnikov. Torf.prom. 40 no. 2:32 '63.
Water supply systems for fighting fires during the production of peat fuels. E. S. Dzektser, V. A. Lushnikov. Biul. tekhn. ekon. inform. Gos. nauch. i tekhn. inform. no. 3:15-17 '63.

PEAT INDUSTRY—BY-PRODUCTS

Manufacture of feed yeasts based on peat hydrolyzates. Kh. I. Rivkina, N. V. Zinina, S. A. Gavrilenko, Torf. prom. 40 no. 3:24-26 '63.

PEAT INDUSTRY—EQUIPMENT AND SUPPLIES

Machine for measuring milled peat stockpiles. G. N. Metelitsyn, Torf. prom. 40 no. 2:13-15 '63.

[Mechanizing the preparation of peat deposits for winning peat] Mekhanizatsiya podgotovki torfianyykh mestorozhdenii dlia dobychi torfa. [By] L. P. Kudimov, I. U. D. Kuskov i K. E. Safonov. Moskva, Gosnorgolizdat, 1962, 350 p.

PEAT INDUSTRY—FIRES AND FIRE PREVENTION

Use of ground water as source of water supply for fire extinction in milled peat winning fields. N. Iragin and others. Pozh. delo 9 no. 3:14-15 Mr '63.

PEAT MACHINERY

(see also subdivision under White Russia; Yaroslavl)

Agitator with regulated working width. I. P. Goloviznina, Torf. prom. 40 no. 2:30-31 '63.

Equipment MK-1, 8 for the MTU-O, 75A excavator. V. P. Mitin, I. U. M. Gavrilov, V. I. Pervakov. Torf. prom. 40 no. 3:13-15 '63.

Experience in the operation of MPG-1, 1 machines. M. P. Kulinko, Torf. prom. 40 no. 3:1-4 '63.

Experience in the operation of the TPSh-1 machine. V. P. Mitin, K. T. Mavetskaya, Torf. prom. 40 no. 2:10-20 '63.

Experimental study of the operation of a disk-shaped cutter in the production of granulate peat. N. I. Bokhan, Vestn AN SSSR, Ser. fiz.-tekhn. nauch. no. 1:110-123 '63.

Preliminary summary of the results of the operation of MPG-2L machines. N. G. Starovolt, Torf. prom. 40 no. 2:20-22 '63.

Seminar at the Exhibition of Achievements of the National Economy. V. S. Batov, Torf. prom. 40 no. 2:33-34 '63.

PEAT MACHINERY—TECHNOLOGICAL INNOVATIONS

New works of Leningrad peat specialists. M. A. Shabad, Torf. prom. 40 no. 3:37-39 '63.

PEAT MACHINERY—TESTING

Performance of the crawler tread with an elastic balancing suspension. V. A. Skotnikov, Torf. prom. 40 no. 3:4-8 '63.

PEAT SOILS

Golovko, D. G. [Growing potatoes on peat soils] Vyrashchivaniye kartofella na torfianyykh pochvakh. Leningrad, Sel'khozizdat, 1962, 134 p. (DNAL)

PEBBLES

(see also subdivision under Lena Valley)

Migration of pebbles along the shore. V. P. Zenkovich, A. S. Ionin, Priroda 62 no. 4:94-97 '63.

PECHORA RIVER—REGULATION

Geographical aspects of redirecting a part of the Pechora and Vychegda runoff into the Volga basin. S. L. Vondrov, Izv. AN SSSR, Ser. geog. no. 2:35-45 Mr-Apr '63.

PECHORA RIVER—SALMON FISHERIES

Salmon fishing by spanning nets across the whole Pechora River. V. F. Ovchinnikov, M. M. Kutniakov, Ryb. khoz. 30 no. 2:54-56 '63.

PECHORA VALLEY—STONE AGE

First paleolithic site in the Pechora Valley portion of the Ural. B. I. Guseinov, V. I. Kanivets, Blud. Kom. cheliv. per. no. 2:21-27 '62.

PEDDLERS AND PEDDLING see subdivision under Kazakhstan; Koguch Valley; Yany-Kurgan

PEDIATRIC SOCIETIES

G. N. Speranskii's activities in the All-Union Scientific Society of Pediatricians. O. A. Chumakovskaya, Pediat. ria 41 [i.e. 42] no. 2:6-8 F '63.

PEDIATRICS

"Annals of medical treatment for children" [in German] by Albrecht Peiper. Reviewed by E. N. Fokin, Sov. zdrav. 22 no. 4:99 '63.

Compound treatment in pediatrics. R. L. Gamburg, Pediat. ria 41 [i.e. 42] no. 2:65-68 F '63.

"Pediatric urology" by A. I. Dukhanov. Reviewed by I. A. D. Mikhel'son, Pediat. ria 41 [i.e. 42] no. 2:94-96 F '63.

PEGMATITES

(see also subdivision under Aldan Plateau; Kola Peninsula; Siberia)

Formation of myrmekites in pegmatites. V. A. Dvorkin-Samarakii, I. M. Kozulina, Trudy BKNII no. 7:100-108 '61.

Genesis of rare metal mineralization in pegmatites. M. M. Manuilova, Zap. Vses. min. ob.-va 62 no. 1:111-113 '63.

PENALTIES, CONTRACTUAL

Recovery of "abstract damages" in foreign trade transactions. D. Genkin, Vnesh. torg. 43 no. 4:47-48 '63.

PENDULUM

Swing of a physical pendulum having cavities filled with a viscous liquid. P. S. Krasnoshchekov, Prikl. mat. i mekh. 27 no. 2:193-202 Mr-Apr '63.

PENGUINS see subdivision under Lazarev Station, Antarctica

PENICILLIN

Histomorphology of skin syphilids in the treatment of syphilis patients by means of bicillin. 3. A. Abdusamatov. Med. zhur. Uzb. no. 8:49-52 Ag '62.

Submucosal injection of penicillin in the oral cavity. I. A. Gutner, Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:171-175 '61.

PENSIONERS see subdivision under Uzbekistan

PENSIONERS—EMPLOYMENT

Pension certificate is not an old-age diploma. V. Kudriavtsev, Okhr. truda i sots. strakh. no. 4:15 Ap '63.

PENSIONERS—SOCIETIES, ETC.

New statute of the pensioners' mutual aid union. Sots. obesp. 24 no. 3:42-44 Mr '63.

PENSIONS

(see also subdivision under Cherepovets)

Changes in legislation. Okhr. truda i sots. strakh. 8 no. 3:43 Mr '63.

Factory and Plant Local Committee on pensions. I. Kolganov, Okhr. truda i sots. strakh. no. 4:31 Ap '63.

How could you decide? Sots. obesp. 24 no. 3:56-57 Mr '63.

Lawbreakers. N. Alekseev, Sots. obesp. 24 no. 4:20-21 Ap '63.

Paths to the reception room. V. Leoniev, Sots. obesp. 24 no. 3:17-21 Mr '63.

Questions and answers. Sots. obesp. 24 no. 3:56 Mr '63.

We call your attention. Sots. obesp. 24 no. 3:57-59 Mr '63.

Why such "privilege"? Sots. obesp. 24 no. 3:59 Mr '63.

PENTAMERIDAE, FOSSIL see subdivision under Severoural'sk region

PENTANE

Condensation of 1,4-dichloropentane with benzene. K. M. Shagmanov, Uzb. khim. zhur. 7 no. 1:57-59 '63.

PENTOSE PHOSPHATES

Free ribonucleotides and the activity of some enzymes of the pentose phosphate cycle in the heart muscle in experimental myocardial infarction [with summary in English]. A. I. Kolotilova and others. Biokhimiya 28 no. 1:113-121 Ja-F '63.

PENZA GOVERNMENT—RUSSIAN LANGUAGE—DIALECTS

Finn-Ugric words in Russian professional dialects. E. A. Iakubinskaya-Lemberg, Uch. zap. LGU no. 3:14:58-59 '62.

PEPTIC ULCER

Changes in the nervous apparatus of the stomach in experimental peptic ulcer. V. V. Shvayev and others. Dokl. AN SSSR 149 no. 3:703-706 Mr '63.

Surgical tactics in perforating gastric and duodenal ulcers in elderly and senile patients. E. N. Maloman, Trudy Kish. gos. med. inst. 12:30-44 '60.

PEPTIDASES

Determination of exopeptidase in the urine [with summary in English]. N. E. Bel'skii, Vrach. delo no. 3:44-47 Mr '63.

PEPTIDES

Incorporation of labeled amino acids into insulin and its polypeptide chain B [with summary in English]. B. S. Sukhareva, Biokhimiya 28 no. 1:45-51 Ja-F '63.

PEPTIDES—CONGRESSES

New advances in the chemistry of peptides (Fifth European Symposium on Peptides). I. U. A. Ovchinnikov, Zhur. VKHO 8 no. 1:101-104 '63.

PERCEPTION

Controversial problems concerning the effect of non-perceivable stimuli. B. I. Khachapuridze, Vop. psikh. 9 no. 1:151-158 Ja-F '63.

Presenting information on signal and control panels. T. N. Ushakova, Vop. psikh. 9 no. 1:159-168 Ja-F '63.

PERCEPTION—CONGRESSES

Conference of the Ural Department of the Psychological Association. V. S. Matveev, N. I. Sudakov, Vop. psikh. 9 no. 2:187-188 Mr-Apr '63.

PERCEPTIONS

Machines learn how to read. V. Toman, IUn. tekhn. 7 no. 12:16-20 D '62.

PERCHLORIC ACID

Effect of the concentration of perchloric acid on its thermal decomposition. V. P. Babaeva, A. A. Zinov'ev, Zhur. neorg. khim. 8 no. 3:567-572 Mr '63.

Perchloric acid and its compounds as catalysts in organic synthesis. Part 8: Catalytic acylation of aromatic compounds by acid chlorides in the presence of perchloric acid. G. N. Dorofeenko, L. V. Dulenko, V. I. Dulenko, Ukr. khim. zhur. 28 no. 3:314-317 '63.

Products of the thermal decomposition of anhydrous perchloric acid. V. P. Babaeva, A. A. Zinov'ev, Dokl. AN SSSR 149 no. 3:592-594 Mr '63.

PERFUMES

Factory of aromas. H. Lohvynenko, Nauka i zhyttia 12 no. 2:53 F '63.

PERIARTERITIS NODOSA

Clinical aspect of pulmonary lesions in periarteritis nodosa [with summary in English]. R. M. Ginzburg, Vop. revm. 3 no. 1:83-85 Ja-Mr '63.

PERIODIC FUNCTIONS see Functions, Periodic

PERIODIC LAW

Experimental problems on the topic "D. I. Mendeleev's; periodic law and periodic system of elements. Structure of matter." A. S. Moskalenko, Khim. v shkole 18 no. 2:51-55 Mr-Apr '63.

Makarenia, A. A. [D. I. Mendeleev on the radioactivity and complexity of the elements] Mendeleev o radioaktivnosti i slozhnosti elementov. Moskva, Gosatomizdat, 1963, 64 p. (Nauchno-populiarnaya biblioteka Gosatomizdata)

PERIODICALS, PUBLISHING OF

Improve the technique of publishing periodicals. T. Naumova, Poligr. protzv. no. 3:24-25 Mr '63.

Work of a specialized enterprise. V. F. Miroshnichenko, Poligr. protzv. no. 3:9-10 Mr '63.

PERIODONTIA

Periodontogram and its importance in the history of the disease in a stomatological clinic. I. S. Padar'ian, Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:208-215 '61.

Treatment of periodontal diseases with antibiotics. L. G. Abramova, R. A. Brodskaya, Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:191-196 '61.

PERIPHERAL NERVES see Nerves, Peripheral

PERITONITIS

Clinical significance of changes in the peritoneum in acute suppurative peritonitis in elderly and senile persons. L. P. Shulak, Trudy Kish. gos. med. inst. 12:31-33 '60.

Morphological changes in the diaphragm in peritonitis in elderly and senile persons treated with antibiotics. S. M. Lutsenko, Trudy Kish. gos. med. inst. 12:9-17 '60.

Use of ACTH and cortisone in peritonitis. I. N. Grishin, Klin. khir. no. 5:86-87 My '62.

PERLITE (MINERAL)

Study of the character of the expansion of some types of volcanic, hydrated glass by means of motion-picture filming. P. P. Budnikov and others, Stroitel. mat. 9 no. 3:31-33 Mr '63.

PERM—INSURANCE, SOCIAL—EMPLOYEES

Heartfelt assistance. M. Sharapov, Sots. obesp. 24 no. 3:22 Mr '63.

PERM PROVINCE—AUTHORS—BIBLIOGRAPHY

Vershina, L. P., and S. D. Shirokova, comps. [Writers of Perm Province; a bibliographic reference] Pisatel' Permskoi oblasti; bibliograficheskiy spravochnik. [Perm'] Permskoe knizhnoe izd-vo, 1962, 269 p.

PERM PROVINCE—COPPER

Cuprous sandstones in Perm Province. I. U. A. Nechaev, Sov. geol. 6 no. 2:135-138 F '63.

PERM PROVINCE—OFFICE PRACTICE IN GOVERNMENT

"A water supply line and the vortex of official correspondence." Sov. deput. trud. no. 4:86-87 Ap '63.

PERM PROVINCE—SANDSTONE

Cuprous sandstones in Perm Province. I. U. A. Nechaev, Sov. geol. 6 no. 2:135-138 F '63.

PERMAFROST see Frozen ground

PERMITTIVITY see Dielectric constant

PEROXIDASE

Seasonal changes in the activity of peroxidase in the aerial parts of the walnut. L. K. Polishchuk, Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:55-61 '58.

PERSIA see Iran

PERSONALITY TESTS

Experimental investigation of personality trends [with summary in English]. M. Z. Neimark, Vop. psikh. 9 no. 1:3-12 Ja-F '63.

PERTURBATION

Integral representation of the vertex part in perturbation theory. Liu I-chen' [Liu I-ch'en]. Dokl. AN SSSR 148 no. 4:806-809 F '63.

- PERU—COMMUNIST PARTY**
Under repression and terror. Antonio Gutierrez. Part. zhizn' no. 8:65-69 My '63.
- PERU—POLITICS AND GOVERNMENT**
Under repression and terror. Antonio Gutierrez. Part. zhizn' no. 9:65-69 My '63.
- PESTOVSKOYE RESERVOIR—SEDIMENTS (GEOLOGY)**
Accumulation of recent sediments in the Pestovskoye and Klyaz'ma Reservoirs. K. P. Savel'eva. Vop. gidrogeol. i inzh. geol. no. 26:156-163 '62.
- PETROLEUM—ANALYSIS**
(see also subdivision under Bashkiriya; Fergana)
Chromatographic analysis of a stock and of pyrolysis products in a flow. I. I. Arutunov and others. Khim. i tekhn. topl. i masel. 8 no. 3:43-47 Mr '63.
Geochemical transformations of petroleum in the lithosphere (with summary in English). P. F. Andreev. Geokhimiya no. 10:880-888 '62.
Problem of determining mineral salts in petroleum. E. I. Uvarova. Khim. i tekhn. topl. i masel. 8 no. 3:68-69 Mr '63.
- PETROLEUM—PIPELINES**
Effect of certain disintegrating agents on poly(vinyl chloride) anticorrosion coatings. V. G. Ben'kovskii, T. M. Bogoslovskaya, E. A. Drizo. Trudy Inst. nefii AN Kazakh, SSSR 4:148-154 '61.
- PETROLEUM—REFINING**
(see also subdivision under Fergana)
Achievements in the production of catalysts in the petroleum refining industry and prospects of its development. R. G. Ivanov. Biol. tekhn. - ekon. inform. Gos. nauch. - issl. inst. nauch. i tekhn. inform. no. 3:9-13 '63.
Allev, V. S. [Thermocatalytic pyrolysis of crude oil] Termokataliticheskiy piroliz nefiannogo syr'ya. Baku, Azerneft, 1962. 223 p.
Hydrofining of diesel fuels with an important reduction of hydrogen consumption. M. V. Rysakov and others. Khim. i tekhn. topl. i masel. 8 no. 3:7-11 Mr '63.
Problems of economics in the use of sulfur-bearing oils. I. M. Malyshev, V. V. Shikhov, V. P. Shmatov. Khim. i tekhn. topl. i masel. 8 no. 3:37-43 Mr '63.
- Skurko, R. I., and K. A. Pochornikova.** [Production of synthetic catalysts for petroleum refining] Proizvodstvo sinteticheskikh katalizatorov dlia nefiopererabotki. Pod red. I. A. dop. I. E. Gel'msa. Moskva, Gosoptekhizdat, 1963. 117 p.
- PETROLEUM—STORAGE**
Gosudarstvennyi proektirovsko-konstruktsionnyi nauchno-issledovatel'skii institut morskogo transporta. [Experience in the construction and use of oil ports and bunker storage in sea ports of foreign countries] Opyt stroitel'stva i ekspluatatsii neftegavani i bunkerovoykh baz zarubezhnykh morskikh portov. Moskva, Otdel nauchno-tekhn. informatsii. Pt. 2. [Oil ports in foreign countries] Neftnyye porty za rubozhom; obzor literatury. 1962. 101 p. [MICROFILM]
Safe service of reinforced concrete petroleum tanks. E. E. Fridman. Bezop. truda v prom. 6 no. 8:26-28 Ag '63.
- PETROLEUM—TRANSPORTATION**
(see also subdivision under Uzbekistan)
Bulanovskii, L. A. [Principles of planning the complete automation of oil and gas production and transportation] Printsipy proektirovaniia kompleksnoi avtomatizatsii dobychi i transporta nefli i gaza. Moskva, Gosoptekhizdat, 1963. 114 p.
- PETROLEUM AS FUEL**
Conditions for complete combustion of fuel oil. A. G. Chlenov. Prom. energ. 18 no. 4:21-27 Ap '63.
Pilot plant for a rapid upgrading of wet fuels in hot fuel oils. M. S. Rozenberg and others. Khim. i tekhn. topl. i masel. 8 no. 3:33-38 Mr '63.
- PETROLEUM GEOLOGY**
(see also subdivision under Aktyubinsk region; Apsheron Peninsula; Caspian Depression; Caspian Sea; Caucasus, Northern; Irkutsk Province; Kaliningrad; Kazakhstan; Kuban; Kura Lowland; Mangyshlak Peninsula; Soviet Central Asia; Soviet Far East; Ural Mountain region; Uzbekistan; Volgograd Province)
Carbon-bitumen coefficient as a geochemical factor of oil and gas potentials. N. B. Vassoevich, I. S. Kovacheva. Geol. nefli i gaza 7 no. 4:34-40 Ap '63.
Distribution of petroleum and gas in salt dome regions. L. V. Kalamkarov, I. M. Vasil'ev, M. M. Charygin. Geol. nefli i gaza 7 no. 3:23-31 Mr '63.
Role of organic matter in the natural history of petroleum in the light of Academician V. I. Vernadskii's concept. N. B. Vassoevich. Geol. nefli i gaza 7 no. 3:49-52 Mr '63.
"Theoretical problems in petroleum geology." Reviewed by K. Rodionova. Geol. nefli i gaza 7 no. 4:56-61 Ap '63.
Time of the formation of oil and gas pools. M. F. Sviachev. Geol. nefli i gaza 7 no. 4:1-6 Ap '63.
- Utilization of data on phase composition in the petroleum-gas system having high pressures for determining the origin of certain pools. T. P. Zhuze and others. Geol. nefli i gaza 7 no. 4:12-17 Ap '63.
- PETROLEUM INDUSTRY**
(see also subdivision under Bratislav; Brazil; Emba District; Emba region; Polotsk; Venezuela)
Padalka, E. S. [Ultrasonics in the petroleum industry] Ul'trazvuk v nefiannoi promyshlennosti. Kiev, Gos-tekhnizdat USSR, 1962. 65 p.
Problems of economics in the use of sulfur-bearing oils. I. M. Malyshev, V. V. Shikhov, V. P. Shmatov. Khim. i tekhn. topl. i masel. 8 no. 3:37-43 Mr '63.
- PETROLEUM INDUSTRY—FINANCE** see subdivision under Ural Mountain region; Volga Valley
- PETROLEUM INDUSTRY—HYGIENIC ASPECTS**
(see also subdivision under Ufa)
List of industrial hygiene norms and rules approved by the Central Committee Presidium of the Trade Union of Petroleum and Chemical Industry Workers. Okhr. truda i zds, strakh. no. 4:40-43 Ap '63.
- PETROLEUM INDUSTRY—STATISTICS**
Vykhodtsev, S. V. [Statistics of the petroleum industry] Statistika nefiannoi promyshlennosti. Pod red. G. I. Baklanova i V. V. Dzhaparidze. Moskva, Gosstatizdat 1962. 278 p. (Posobie po statistike otdekhnykh otstrsel promyshlennosti)
- PETROLEUM PIPELINES**
Hydraulic testing and filling with oil of the head section of the "Druzhba" Petroleum Pipeline. Z. I. Vymenits, E. M. Klimovskii, Stroi. truboprov. 8 no. 4:18-21 Ap '63.
Rusala (1923- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions SN-186-61 on the calculation of steel pipelines for the transportation of gas, petroleum and petroleum products] Ukazaniia po raschetu magistral'nykh stal'nykh truboprovodov (SN-186-61). Moskva, Gosstatizdat, 1962. 25 p. [MICROFILM]
Temperature field of the soil around a petroleum pipeline. L. P. Seimenov. Sbor. nauch. rnb. AKKI no. 12:147-162 '62.
- PETROLEUM PIPELINES—CATHODIC PROTECTION**
Group installation of electrochemical protection anodes on parallel pipelines. Suggested by N. A. Artov, L. M. Vannerman, V. B. Vakhromeev. Stroi. truboprov. 8 no. 4:28 Ap '63.
- PETROLEUM PIPELINES—DESIGN AND CONSTRUCTION**
see subdivision under Volga Valley
- PETROLEUM PRODUCTS**
End products of petroleum conversion in the absence of oxidizing agents. P. F. Andreev. Geol. nefli i gaza 7 no. 4:21-26 Ap '63.
News from abroad. Feed and food products from petroleum. Khim. i tekhn. topl. i masel. 8 no. 3:72 Mr '63.
Obtaining surface-active agents from petroleum products. V. G. Ben'kovskii and others. Trudy Inst. nefli AN Kazakh, SSSR 4:179-186 '61.
Preparation and use of emulsions of petroleum products from self-emulsifying oil. I. D. Tavberidze, I. I. Mikhndze, K. S. Khasakhvndze. Trudy Inst. khim. AN Gruz. SSR 16:159-166 '62.
- PETROLEUM PRODUCTS—DENSITY**
Korzhinskii, G. P. [Conversion table of the relative density of petroleum products] Tablitsa perescheta otноситel'noi plotnosti nefteproduktov. Moskva, Gosoptekhizdat, 1962. 10 p.
- PETROLEUM PRODUCTS—TRANSPORTATION**
Expand the transportation of petroleum products by fluvial methods. I. Torochkov. Rech. transp. 22 no. 4:13-15 Ap '63.
- PETROLEUM REFINERIES**
(see also subdivision under Baku)
"Quenching of gases using the heat of a formaldehyde manufacturing system. K. E. Masal'skii, G. M. Bichuts-kii. Prom. energ. 18 no. 1:5-8 Ja '63.
- PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION**
Assembly of heavy equipment. I. Fedortsev, B. Magid. Na stroi. Ros. 4 no. 4:9-10 Ap '63.
- PETROLEUM REFINERIES—WATER SUPPLY**
Use of sea water in water recirculating systems of oil and gas refineries. N. M. Litvishkov. Khim. i tekhn. topl. i masel. 8 no. 3:25-28 Mr '63.
- PETROLOGY**
(see also subdivision under Kamchatka)
Experimental studies in petrology and mineralogy. D. S. Korzhinskii. Vest. AN SSSR 33 no. 4:38-44 Ap '63.
- PETROPOLSKOYE—MEAT INDUSTRY**
The strength of the leader in reliance on the collective. G. Mirekin. Part. zhizn' Kazakh, 33 no. 3:41-44 Mr '63.
- PETROV, EVGENII, 1903-1942**
"Case No. 2," on the creative history of the work "Golden calf." Lidia Ivanovskaya. Vop. lit. 7 no. 2:176-191 F '63.
- PETROVS'KIY, HRYHORYI IVANOVYCH, 1877-1957**
H. I. Petrov'skiy. E. Oslikovskaya. Mol. komm. no. 2: 115-116 F '63.
- PHARMACOLOGY**
Catamnesis of children who have received hormone and drug therapy during an acute attack of rheumatism [with summary in English]. A. V. Dolgoplova, N. M. Kuz'mina, N. F. Batimina. Vop. revm. 3 no. 1:31-33 Ja-Mr '63.
- PHARMACOLOGY—ABSTRACTS**
[Pharmacology. Toxicology] Ref. zhur.: Farm. Toks. nos. 9-10 My '63.
- PHARMACOLOGY—LABORATORY MANUALS**
Moscow, Vtoroi Moskovskii meditsinskii institut. [Laboratory manual on pharmacology and general prescription writing] Rukovodstvo k prakticheskim zaniatiyam po farmakologii i obshchey relseptere. Moskva, 1962. 79 p.
- PHASE CONVERTERS**
Static converters of single-phase current to two-phase current. A. M. Bandyas, V. A. Kullinich. Trudy GPI 16 no. 3:72-78 '60.
- PHASE MICROSCOPE**
Phase contrast method for bacterioscopic diagnosis of tuberculosis. I. K. Tselarius. Lab. delo 9 no. 3:45-46 Mr '63.
- PHASE RULE AND EQUILIBRIUM**
Certain regularities in the physicochemical properties of the binary system metal-mercury. V. P. Gladyshev. Fiz. met. i metalloved. 15 no. 2:203-209 F '63.
Changes in the carbide phase of steel under the effect of cold plastic deformation. Part 4: Carbide transformations at the third stage of tempering of low-tempered, cold-deformed steel. M. V. Belova, V. T. Cherepin. Fiz. met. i metalloved. 15 no. 2:215-221 F '63.
Coagulation of the carbide phase during the tempering of molybdenum steel. V. I. Psezev. Fiz. met. i metalloved. 15 no. 2:234-236 F '63.
Effect of the phase constitution on the magnetic properties of magnesium-manganese ferrites with a rectangular hysteresis loop. V. M. Bogoslovskii and others. Fiz. met. i metalloved. 15 no. 2:181-186 F '63.
Effect of the shift of equilibrium on melting diagrams of the systems with solid solutions. A. G. Bergman, A. S. Arabadzhan. Zhur. neorg. khim. 8 no. 3:723-725 Mr '63.
Equilibrium in the system calcium sulfamate-sulfamic acid-water at 25°. A. K. Mustae, R. T. Iakovleva. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 5:53-55 '62.
Equilibrium in the system sulfamic acid-lanthanum sulfamate-water at 25°. A. K. Mustae, R. T. Iakovleva. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 5:51-53 '62.
Phase transformation in Be-8 at.-% Ni alloys, without diffusion. I. I. Papirov, G. F. Tikhinskii, V. A. Firskel'. Fiz. met. i metalloved. 15 no. 3:462-465 Mr '63.
Phase transformations during the reduction of UO₂. V. M. Zhukovskii, E. V. Tkachenko, V. G. Vlasov. Fiz. met. i metalloved. 15 no. 2:210-214 F '63.
Phase transformations during the reduction processes of uranium oxide by solid carbon. E. V. Tkachenko, V. G. Vlasov. Fiz. met. i metalloved. 15 no. 2:233-243 F '63.
Thermodynamics of mesophases and the properties of polymers and liquid crystals. V. K. Semchenko, Prim. ul'trunkust. k issl. veshch. no. 16:101-116 '62.
- PHENAZINUM COMPOUNDS**
Amination of alkyl phenazinium salts. S. B. Serbskii, P. A. Iufa. Ukr. khim. zhur. 29 no. 3:322-325 '63.
- PHENETOLE**
Alkylation of aromatic compounds by diene hydrocarbons. Part 7: Alkylation of phenetole by piperylene in the presence of ethyl etherate of boron fluoride. E. A. Vdovtsova. Uzb. khim. zhur. 7 no. 1:50-56 '63.
- PHENOL**
Alkylation of phenol by isobutylene in a fluid bed of a cation exchanger. P. S. Belov, V. I. Isagultants. Khim. prom. no. 3:161-166 Mr '63.
- PHENOL CONDENSATION PRODUCTS**
Effect of pressure on the strength characteristics of standard specimens of phenolic molding powders. L. A. TSipes, A. D. Sokolov, I. N. Mel'nikov. Plast. massy no. 3:65-68 '63.
Quick-hardening polymer mortar based on phenol-formaldehyde resins. V. S. Logunov and others. Stroi. mat. 9 no. 3:33-34 Mr '63.
Relation between the structure, stabilizing action, and toxicity of the condensation products of phenol with styrene. A. I. Broitman and others. Plast. massy no. 4:19-22 '63.
Saponification of novolaks obtained from methoxyphenols of wood chemical origin. I. P. Uvarov. Sbor. trudy TSNILKHI no. 14:32-35 '61.

PHENOLS

Dry distillation soluble wood tar as source of phenol raw materials. T. I. Fedorishchev. Sbor. trud. TSNIILKHI no. 14:39-45 '61.
Extraction of pyrocatechol from settled gas producer wood tar by means of its washing and obtaining of tar oils and phenols from the washed tar. L. V. Gordon and others. Sbor. trud. TSNIILKHI no. 14:26-31 '61.
Phenol-diene regroupment in the reactions of phenols. V. V. Erebov, A. A. Volod'kin, G. N. Bogdanov. Usp. khim. 32 no. 2:154-194 F '63.
Stabilizing effect of alkyl- and arylalkyl phenols. N. P. Lazareva, N. A. Obol'taninova, G. S. Popova. Plast. massy no. 4:44-40 '63.
Using phenolic acids of wood tar pitch as raw material for obtaining viscosity reducers. D. V. Tishchenko, A. N. Kisilevskiy, O. S. Zagarmistr. Sbor. trud. TSNIILKHI no. 14:46-52 '61.

PHENYL GROUP

Possibility of phenyl radical isomerization in benzoyl peroxide reactions. G. A. Razuvaev, B. G. Zateev. Dokl. AN SSSR 148 no. 4:863-866 F '63.

PHIOPHYTTINS

Comparative study of the formation of phiophytins from chlorophyll and its analogs in the dark and in light. A. A. Krasnovskii, E. V. Pakshina. Dokl. AN SSSR 148 no. 4:835-838 F '63.

PHILOLOGY

Lyov, Univertsitet. [Collection of works by degree candidates in the Department of Philology] Zbirnyk robit aspirantiv kafedry filologichnykh nauk. [L'viv] Vyd-vo L'vivskoho univ., 1960. 192 p.
(CaOTU)

Philology of the near future. B. A. Larin. Nauch. dokl. vys. shkoly. filol. nauk no. 1:189-190 '63.

PHILOSOPHY

"Concept of communication in Marxist philosophy" by I. I. Novinskii. Reviewed by G. A. Strelchenko. Vop. filos. 17 no. 4:162-163 '63.

PHILOSOPHY—BIBLIOGRAPHY see Bibliography—Philosophy

PHILOSOPHY—PERIODICALS

A meeting with our readers. A. F. Ozerakina. Vop. filos. 17 no. 4:138-140 '63.

PHILOSOPHY—STUDY AND TEACHING

Razin, V. I. [How to guide a philosophy study group] Kak provodit' zaniatia po filosofii. Moskva, Gospolitizdat, 1962. 43 p. (Metodicheskie sovery po filosofii)

PHILOSOPHY, BRAZILIAN

Cruz Costa, João. [Review of the history of philosophy in Brazil. Translated from the Portuguese] Obzor istorii filosofii v Brazili. Red. A. A. Makarov. Vatup. sta'ia Zh. A. Bazar'iana. Moskva, Izd-vo inostr. lit-ry, 1962. 145 p.
(lat)

PHILOSOPHY, HINDU

Akademiia nauk SSSR. Institut filosofii. [Ancient Hindu philosophy; the early period] Drevneiindialskaya filosofii: nachal'nyi period. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1963. 271 p. (Filosofskie nauchnye)

PHOENICIA—HISTORY

Phoenicia in the late seventh and the early sixth century B.C. [with summary in French]. M. L. Golt'ser. Krat. soob. Inst. nar. Az. no. 46:188-201 '62.

PHONETICS—RESEARCH

Dynamic palatography. U. I. Kyz'min. Vop. psikh. 0 no. 1:137-141 Ja-F '63.

PHONONS

Theory of the effect of current carrier entrainment by phonons in tetragonal semiconductors. F. M. Gashim-zade. Fiz. tver. tela 5 no. 3:883-885 Mr '63.

PHOSPHATASES

Effect of vitamin D on the activity of blood and bone alkaline phosphatase in albino rats on diets with various fat content [with summary in English]. K. K. Golt'ser. Ukr. biokhim. zhur. 34 no. 5:750-757 '62.

PHOSPHATES

(see also subdivision under Uzbekistan)
Cap dusting potato tubers with phosphate fertilizers before planting. P. A. Chernomaz, E. G. Koptelova. Biol. v shkole no. 2:64-66 Mr-Apr '63.
Effectiveness of combined use of DDT and superphosphate for potatoes. I. P. Zhuravleva, E. N. Stukalova, M. N. Gribakovich. Zashch. rast. ot vred. i bol. 0 no. 6:18-19 Je '61.
Interaction of urea with the products of the nitric acid decomposition of phosphates. I. A. S. Shenkin, V. A. Klevko, B. G. Liudkovskaya. Dokl. AN SSSR 149 no. 3: 858-859 Mr '63.
Mixed liquid fertilizers obtained by the nitric acid treatment of phosphates. M. N. Nabiev, U. Ibragimova. Uzb. khim. zhur. 7 no. 1:5-14 '63.
Synthesis and study of the properties of normal ceror-orthophosphates and cerororthophosphate hydroxides. A. I. Uliyanov, T. I. Kazakova. Izv. AN SSSR. Otd. khim. nauk no. 3:393-401 Mr '63.

PHOSPHINE

Synthesis of bifunctional organophosphorus compounds. Report No. 2: Addition of butylphosphine to unsaturated compounds. B. A. Arbuzov, G. M. Vinokurova. Izv. AN SSSR. Otd. khim. nauk no. 3:502-506 Mr '63.

PHOSPHINIC ACID

Synthesis of triethylsilyl-substituted alkyl phosphinic acids and their esters. E. A. Chernyshev, E. F. Bugarenko, A. D. Petrov. Dokl. AN SSSR 148 no. 4:875-877 F '63.

PHOSPHOMOLYBDATES

Effect of phosphomolybdate on the spectral determination of niobium and tantalum [with summary in English]. K. A. Semenchenko, N. I. Tarasovich. Zhur. anal. khim. 18 no. 1:88-92 Ju '62.

PHOSPHOMOLYBDIC ACIDS

X-ray examination of the process of dehydration of 12-silicotungstic and 12-phosphomolybdic acids. A. A. Babad-Zakhrapin. Izv. AN SSSR. Otd. khim. nauk no. 2: 215-220 F '63.

PHOSPHONIUM COMPOUNDS

Insoluble polymeric quaternary phosphonium compounds [with summary in English]. E. B. Trostianskaya, S. B. Makarova, I. P. Losev. Vysokom. soed. 5 no. 3:325-329 Mr '63.

PHOSPHORIC ACID

Analysis of alkyl silanephosphoric acids by the method of titration in nonaqueous media. A. P. Kreshkov, V. A. Drozdov, R. R. Tarasianskiy. Plast. massy no. 4:57-60 '63.

Complex formation in the systems consisting of phosphoric acid - alkali - sesquioxides. A. E. Kharakoz and others. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 8:141-147 '62.

Physicochemical investigation of aqueous solutions of sulfuric and phosphoric acids. A. S. Cherniak, V. V. Shemet, Zhur. neorg. khim. 8 no. 3:738-741 Mr '63.
Reaction of phosphoric acid with aluminum, iron, and lanthanum nitrates. I. S. Rasonskaya, I. A. Shenkin, V. A. Klovko, Zhur. neorg. khim. 8 no. 3:617-621 Mr '63.

PHOSPHORODITHIOIC ACID

Reaction of methylethoxycarbonylmethyl esters of dialkylphosphodithioic acids with triethylhydroxysulfane. K. A. Andrianov, I. K. Kuznetsova, I. Pakhomova. Izv. AN SSSR. Otd. khim. nauk no. 3:500-502 Mr '63.

PHOSPHOROUS ACID

Preparation and isomerization of mixed esters of 1-chloro-3-(β-chloroethoxy) isopropylphosphorous acid. V. K. Khairullin, T. I. Sobchuk. Izv. AN SSSR. Otd. khim. nauk no. 2:320-328 F '63.

PHOSPHORS

Thermoluminescence of ZnS-phosphors in the temperature range 14° to 77°K. V. F. Tunditskaya. Opt. i spektr. 14 no. 3:446-446 Mr '63.

PHOSPHORS—SPECTRA

Kinetics of the luminescence of chromium luminophors. Part 6. Composite system Al₂O₃.Ga₂O₃-Cr and magnesium spinel activated by chromium. N. A. Tolstol, Liu Shun'-fu [Liu Shun-fu]. Opt. i spektr. 14 no. 3:378-382 Mr '63.

PHOSPHORUS

Changes occurring in the phosphorus of wheat flour during the process of dough preparation. K. N. Chitcheva, I. E. Guseva, G. S. Grikova, Khleb. i kond. prom. 7 no. 4:1-3 Ap '63.

PHOSPHORUS—ANALYSIS

Phosphorus content of Nikopol' deposit manganese ores. I. A. I. Fomin. Obog. rud 7 no. 3:18-24 '62.
Phosphorus distribution between ore and rock minerals in manganese ores. I. A. I. Fomin. Obog. rud. 7 no. 4: 14-18 '62.
Use of semicarbazide as a reducing agent in colorimetric determination of phosphorus. M. I. Shapiro, V. I. Muzychenko. Lab. delo 9 no. 3:27-29 Mr '63.

PHOSPHORUS ACIDS

Phosphorylated polysaccharides. Part 2: Phosphorylation of cellulose by alcoholysis of the amides of trivalent phosphorous acids [with summary in English]. K. A. Petrov and others. Vysokom. soed. 5 no. 3:348-352 Mr '63.

PHOSPHORUS BACTERIA see Bacteria, Phosphorus

PHOSPHORUS BROMIDES

Using phosphorus tribromide in the synthesis of pyrimidine bases. V. D. Davydov. Izv. AN SSSR. Otd. khim. nauk no. 3:571-572 Mr '63.

PHOSPHORUS CHLORIDES

Interaction of β- and γ-oxides with phosphorus chlorides. N. I. Shuklin, I. F. Bel'skii, I. E. Grushko. Izv. AN SSSR. Otd. khim. nauk no. 3:557-558 Mr '63.

PHOSPHORUS IN THE BODY

Content of calcium and inorganic phosphorus in the blood of patients with bone fractures. N. M. Shamatov. Med. zhur. Uzb. no. 8:28-32 Ag '62.

PHOSPHORUS METABOLISM

Adenosinetriphosphatase and some other enzymes of phosphorus metabolism in the homogenates and extracts of fish eggs [with summary in English]. N. M. Abrosimova, R. I. Tatarskaya. Biokhimiia 29 no. 1: 126-136 Ja-F '63.
Carbohydrate-phosphorus metabolism in D avitaminosis. A. R. Borys'ka. Vsiyky Kyiv. un. no. 1. Ser. biol. no. 2:181-186 '63.

PHOSPHORUS ORGANIC COMPOUNDS

Organophosphoric derivatives of ethylenimine. Report No. 5: Mono- and polyfunctional monomers. N. P. Grechkin, I. A. Nureldinov. Izv. AN SSSR. Otd. khim. nauk no. 2:302-308 F '63.
Phosphorus organic insecticides (to be continued). P. V. Popov. Zashch. rast. ot vred. i bol. 6 no. 6:41-42 Je '61.
Synthesis of polymers with inorganic chains of molecules. Polyorganosiloxophosphoroxanes. K. A. Andrianov, A. A. Kazakova. Plast. massy no. 3:24-28 '63.
Use of phosphorus-containing resins in the production of glass-base textolites and plastic foams. E. B. Trostianskaya and others. Plast. massy no. 4:16-18 '63.

PHOSPHORUS ORGANIC COMPOUNDS—TOXICOLOGY

Golt'kov, S. N., and V. I. Rozengart. [Pharmacology and toxicology of phosphorus organic compounds] Farmakologiya i toksikologiya fosfororganicheskikh soedinenii. [Leningrad] Medgiz. 1960. 110 p.
(DNLM)

PHOSPHORYL HALIDES

Preparation of α,β-alkenylphosphoryl halides. I. F. Lutsenko, Z. S. Kraits, M. V. Proskurnina. Dokl. AN SSSR 148 no. 4:846-849 F '63.

PHOSPHORYLATION

Cold uncoupling of oxidation and phosphorylation in the muscles of albino mice [with summary in English]. V. P. Skulachev and others. Biokhimiia 28 no. 1:70-79 Ja-F '63.
Membranes of Micrococcus lysodeikticus and their relation to oxidation phosphorylation. D. N. Ostrovskii, N. S. Gel'man. Dokl. AN SSSR 148 no. 4:945-946 F '63.
Methods for studying the photosynthetic phosphorylation [with summary in German]. E. M. Eidel'man, O. F. Popova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 2:194-231 '62.
Phosphorylated polysaccharides. Part 2: Phosphorylation of cellulose by alcoholysis of the amides of trivalent phosphorous acids [with summary in English]. K. A. Petrov and others. Vysokom. soed. 5 no. 3:348-352 Mr '63.
Uncoupling of respiration and phosphorylation in necrotized tissues of potato tubers [with summary in English]. B. A. Rubin, O. L. Ozeretskova. Biokhimiia 28 no. 1:80-88 Ja-F '63.

PHOTOCHEMISTRY

Glass as photosensitive material. IUn. tekhn. 7 no. 12: 12-13 D '62.

Photopolymerization of acrylonitrile in a homogeneous medium [with summary in English]. K. S. Simionescu, D. Feldman, P. Shandru. Vysokom. soed. 5 no. 3:460-466 Mr '63.

PHOTOCONDUCTIVITY

Effect of binding agents on the photoconductivity kinetics of zinc oxide. N. N. Markevich, E. K. Putaiko. Fiz. tver. tela 5 no. 4:1180-1193 Ap '63.

Spectral distribution of the photoconductivity of chlorophyll as dependent on the thickness of the layer. A. T. Vartanian. Dokl. AN SSSR 149 no. 3:563-566 Mr '63.

PHOTOELASTICITY

Zuev, B. M. [Some problems arising in the study of stresses by the optical method using three-dimensional models] Nekotorye voprosy issledovaniia napriazhenii na ob'emykh modelakh opticheskim metodom. Kazan, 1959. 22 p. (Akademiia nauk SSSR. Kazanskii filial. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk. Trudy, no. 2)

PHOTOELECTRIC CELLS

Analysis of the sensitivity of an electric network containing photoresistors [with summary in English]. S. P. Papazov, I. A. Maslarov. Avtom. i telem. 24 no. 3:393-397 Mr '63.
Lashkarev, G. V., A. M. Tarasova, and V. S. Fomenko. [New sources of electric energy] Novye istochniki elektricheskoi energii. Kiev, Izd-vo Akad. nauk USSR, 1962. 85 p. (Nauchno-populiarnaya literatura)
Performance of vacuum phototubes at reduced voltage. V. M. Zhestianikov, L. S. Grinberg. Izv. vys. ucheb. zav. i prib. 6 no. 2:9-13 '63.
Photoelectron multiplier with high resolution time. A. G. Berkovskii. Radiotekh. i elektron. 8 no. 4:709-712 Ap '63.
Sulfur-cadmium FSK photo resistances. B. T. Kolomiets, A. O. Olesk. Elektrichestvo no. 3:75-80 Mr '63.

PHOTOELECTRIC MEASUREMENTS

Photoelectric FB-2 instrument for luster measurement. E. A. Orlov. Lakokras. mat. i ikh prim. no. 2:69-70 '63.

PHOTOELECTRIC MULTIPLIERS

Design of electromagnetic screens for photomultipliers. V. V. Matveev, E. E. Minaeva, A. D. Sokolov. Prib. i tekhn. eksp. 8 no. 2:118-120 Mr-Apr '63.

PHOTOELECTRICITY

Effect of ion bombardment on the electric and photoelectric properties of lead sulfide. O. M. Artyamonov, R. I. A. Berlaga, M. G. Vinogradov. Fiz. tver. tela 5 no. 3:959-961 Mr '63.

External photoeffect and secondary electron emission of beryllium oxide layers on the oxidized surface of beryllium bronze. A. M. Tlutikov. Radiotekhn. i elektron. 8 no. 4:691-697 Apr '63.

Nonlinear photoelectric effect on p-n junctions in gallium arsenide. A. A. Gutkin, D. N. Nasledov, V. E. Sedov. Fiz. tver. tela 5 no. 4:1136-1142 Apr '63.

PHOTOENGRAVING—HALFTONE PROCESS

Preparing a photographic original for reproduction. A. I. Gerasimov. Poligr. proizvod. no. 3:33-34 Mr '63. Reproduction of black-and-white and color copies. A. A. Goracheva, N. A. Porokhina. Poligr. proizvod. no. 3: 21-23 Mr '63.

PHOTOGRAPHIC EMULSIONS

Chibisov, K. V. [Basic problems of the chemistry of photographic emulsions] Osnovnye problemy khimii fotograficheskikh emul'sii. [Moskva] Izd-vo Mosk. univ. NIKFI, 1962, 121 p.

Determining the relationship between the useful and harmful dye absorption by films with internal masking [with summary in English on p. 96]. M. N. Gerasimovich and others. Tekhn. kino i telev. 7 no. 4:23-27 Apr '63.

PHOTOGRAPHIC LENSES see Lenses, Photographic

PHOTOGRAPHIC OPTICS—ABSTRACTS

Optics and lighting engineering. Tekhn. kino i telev. 7 no. 4:86-89 Apr '63.

PHOTOGRAPHIC SURVEYING

Using a radiolometer and a stadiometer for bringing photogrammetric nets to scale. S. V. Chistakov. [Trudy] VNIMI no. 45:74-80 '62.

PHOTOGRAPHY

(see also subdivision under Baku; Kazan)

Conversation on essentials. G. Mikhailov. Sov. foto 23 no. 2:38-39 F '63.

For the unity of theory and practice. Sov. foto 23 no. 2: 1 F '63.

Improve the quality of photographic information. P. Tarnovskii. Sov. foto 23 no. 2:45 F '63.

In the labyrinth of nonsense. S. Morozov. Sov. foto 23 no. 2:19 F '63.

Let's talk about our photographs. Sov. foto 23 no. 2: 42-44 F '63.

Let's talk about our photographs. V. Ponkin. Sov. foto 23 no. 3:42-45 Mr '63.

Make rural life the center of attention. Sov. foto 22 no. 7:22-23 JI '62.

Picture and image. V. Mikosha. Sov. foto 22 no. 7:30-33 JI '62.

Socialist realism is our weapon. Sov. foto 23 no. 3:1-2 Mr '63.

Summer landscape. N. Agokas. Sov. foto 22 no. 7:42-45 JI '62.

Symposium on the quality of the photographic image. Tekhn. kino i telev. 7 no. 4:82-94 Apr '63.

PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Improvement in the "FM-2" developing machine. K. Solov'ev. Sov. radio i tel. 11 no. 11:39-30 N '62.

PHOTOGRAPHY—ELECTRONIC EQUIPMENT

Electronic photographic equipment. E. Boronovskov. V prom. radiotekhn. no. 13:11-59 '62.

PHOTOGRAPHY—EQUIPMENT AND SUPPLIES

At the Leipzig Fair; autumn, 1962. Sov. foto 23 no. 3: 37 Mr '63.

Bunimovich, D. Z., and V. A. Romanin. [Photography and motion-picture cameras; photographic materials, equipment and chemicals] Foto i kino-apparatura, materialy, priborostroyeniye i khimikaty. Spravochnik. Moskva, Gosizdat, 1963, 263 p.

Multiple exposure on one frame. O. Litinskii. Sov. foto 23 no. 3:38 Mr '63.

[Photographic and motion-picture equipment] Ref. zhur. i Fotokinetekh. no. 6 My '63.

Photographic enlarger for any forms. N. Khaldin. Sov. foto 23 no. 3:31 Mr '63.

Remote control of a camera. D. Lugov'ev. Sov. foto 23 no. 3:34 Mr '63.

Useful device. S. Bunakov. Sov. foto 23 no. 3:35 Mr '63.

PHOTOGRAPHY—EXHIBITIONS

(see also subdivision under Budapest)

"Cuban revolution in photographs." A. Geraberg. Sov. foto 23 no. 2:6 F '63.

For general disarmament and peace. Sergei Borsenko. Sov. foto 22 no. 7:1-9 JI '62.

Heroic Cuba; a photographic exhibition in the Soviet Union. L. Kamynin. Sov. foto 23 no. 3:4-10 Mr '63.

International Photographic Exhibition in Berlin. Sov. foto 23 no. 7:21 JI '62.

Seven-year plan in action. Z. Ravshan. Uzbekiston 21 no. 5:14b-14c My '62.

"The seven-year plan in action during 1962." Sov. foto 22 no. 7:10-10 JI '62.

Six cities' exhibition. G. Beesonov. Sov. foto 23 no. 2: 40 F '63.

"World Press Photo" at the Hague. M. Bugaeva. Sov. foto 23 no. 2:12-14 F '63.

PHOTOGRAPHY—FILMS

"VCh" film. E. Nebylitskii. Sov. foto 22 no. 7:39 JI '62.

PHOTOGRAPHY—PORTRAITS

Composition for a portrait. L. Volkov-Lannit. Sov. foto 23 no. 3:27-30 Mr '63.

Portraits in a bright key. I. Seleznev. Sov. foto 22 no. 7:25-27 JI '62.

PHOTOGRAPHY—PRINTING PROCESSES

Color printing from positive slides. Sov. foto 23 no. 2: 30-31 F '63.

PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Appliance for the photographic recording of discharges in spark counters. I. V. Kolesov and others. Prib. i tekhn. eksp. 8 no. 2:54-58 Mr-Apr '63.

PHOTOGRAPHY, JOURNALISTIC

Journalistic photography in the magazine "Sovetskaya zhizn". Sov. foto 23 no. 3:12-18 Mr '63.

Responsibility of the news photographer. G. Oganov. Sov. foto 23 no. 2:10-11 F '63.

PHOTOGRAPHY, PARTICLE TRACK

A controlled liquid track chamber. N. B. Delone. Priroda 52 no. 4:109-110 '63.

Inelastic proton-nucleon interaction at an energy of 9 Bev. N. P. Bogachev, E. L. Grigor'ev, I. P. Merekov. Dokl. AN SSSR 148 no. 4:793-795 F '63.

Nature of particle production in inelastic pion-nucleon interactions. A. Kh. Vinitaki and others. Dokl. AN SSSR 148 no. 4:796-798 F '63.

Proceedings of a meeting of elementary particles devoted to the problem of photography in the Wilson Chamber. V. Berezhinskii. Nauka i zhizn' 30 no. 1: 109-102 Ja '63.

Recording of nuclear fission in the presence of an extensive background. S. P. Almazova, V. P. Pereygin. Prib. i tekhn. eksp. 8 no. 2:63-66 Mr-Apr '63.

PHOTOGRAPHY, SUBMARINE

Amateur photographers take pictures under water. I. Seleznev. Sov. foto 23 no. 3:40-41 Mr '63.

Light under water. A. Massarskii. Sov. foto 22 no. 7: 40-41 JI '62.

Recent photographs of the bottom of the Atlantic Ocean. A. V. Il'in, G. V. Bogorov. Okeanologiya 3 no. 2:346-348 '63.

PHOTOGRAPHY OF WOMEN

Women of the second half of the 20th century. Zhen. mira no. 3:12-13 '63.

PHOTOGRAPHY

Optimum conditions for developing the gelatin relief. A. G. Emelin, E. D. Brailovskaya, A. A. Vilt. Poligr. proizvod. no. 3:19-21 Mr '63.

PHOTOMAGNETIC EFFECT

Spectral distribution of the absorption and photomagnetic effect in solid solutions of Cd₂Hg_{1-x}Te. B. T. Kolomiets, A. A. Mal'kova. Fiz. tver. tela 5 no. 4:1219-1220 Apr '63.

PHOTOMETRY

Kuznetsov, V. I. [Chemical principles of the extraction-photometric methods of analysis] Khimicheskie osnovy ekstraktsionno-fotometricheskikh metodov analiza. Moskva, Gosizdatkhimdat, 1963, 41 p.

New extraction-photometric method for the determination of titanium. Report No. 2: Stabilization of diisocamylpyrophosphoric ether. Determination of titanium in solutions of various composition [with summary in English]. I. U. B. Kletenik. Zhur. anal. khim. 18 no. 1: 66-70 Ja '63.

Spectral density of the energy brightness of hydrogen and deuterium lamps in the ultraviolet region of the spectrum. M. N. Smolkin, N. B. Berdnikov. Opt. i spekt. 14 no. 3:414-416 Mr '63.

Use of the method of flame photometry in marine studies; marine flame photometer. L. M. Khil'trov, K. A. Kotliarov. Okeanologiya 3 no. 2:315-323 '63.

PHOTOMETRY, ASTRONOMICAL

Photometry of chromospheric flares [with summary in English]. T. S. Razmadze. Blud. Abast. astrofiz. obser. no. 29:3-27 '62.

PHOTOSYNTHESIS

Adaptive reaction of the photosynthetic apparatus of plants to the decrease in light intensity. T. V. Lapina. Voeny Kyiv. un. no. 1. Ser. biol. no. 2:49-54 '63.

Life beyond the borders of the earth. M. Morekhin. Nauka i zhizn' 12 no. 2:48-49 F '63.

Methods for studying the photosynthetic phosphorylation [with summary in German]. E. M. Eidel'man, O. F. Popova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 2:194-231 '62.

Photosynthesis of plants of the Anzob Pass [with summary in German]. I. U. S. Nasyrov. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 2:103-124 '62.

Some principles of the intensification of the photosynthetic productivity of some cultures of unicellular algae [with summary in English]. V. E. Semenenko, M. G. Vladimirova, A. A. Nishporovich. Probl. kosm. biol. 2:326-329 '62.

Use of the radiometric method in determining photosynthesis in forestry. S. Sh. Chitashvili. Bol. zhur. 48 no. 3:395-402 Mr '63.

PHOTOTHERAPY

Impulse phototherapy for burns. V. P. Sorochinskii. Klin. khir. no. 5:86 My '62.

PTHALIMIDE

The real culprits were not in the dock. Zhen. mira no. 3:26 '63.

Who is guilty? Vladimir Anokov, Albert de Konink. Nauka i rol. 4 no. 2:31 F '63.

PTHALIMIDE—SPECTRA

Electron spectra of vapors of N-methylphthalimides. V. T. Korotkevich, V. V. Zelnitskii, N. A. Dorisovich. Izv. AN SSSR. Ser. fiz. 27 no. 4:576-579 Apr '63.

PTHALOYL CHLORIDE

Kinetics and mechanism of the hydrolysis of carboxylic acid dichlorides. Report No. 2: Temperature dependence of the reaction rate, and the relation of activation energy and enthalpy to the polarity of the medium. S. G. Entelis and others. Izv. AN SSSR. Otd. khim. nauk no. 3:429-436 Mr '63.

PHTHIVAZIDE

Combined treatment in lupus tuberculosis with phthivazide, streptomycin and vitamin D₂. I. N. Agapkin. Sov. med. 26 no. 1:123-126 Ja '63.

PHYSICAL EDUCATION AND TRAINING

(see also subdivision under Riga)

Evening dedicated to the topic "Physics and sports." A. A. Svetov. Fiz. v shkole 23 no. 1:56-58 Ja-F '63.

Evenings dedicated to the topic "Physics and sports." A. A. Svetov. Fiz. v shkole 23 no. 1:56-58 Ja-F '63.

Force of motion. Pozh. delo 9 no. 3:16 Mr '63.

History of theories on the physical development and physical education of man. S. I. A. Chikin. Sov. zdav. 22 no. 4:12-16 '63.

Is a uniform program needed? G. D. Kharabuga. Teor. i prak. fiz. kul't. 26 no. 4:57-58 Apr '63.

Lenin's ideas are our strength. Teor. i prak. fiz. kul't. 26 no. 4:1-6 Apr '63.

Problems of physical education in works of K. Marx and F. Engels. S. L. Glush, N. I. Rutberg. Teor. i prak. fiz. kul't. 26 no. 3:7-15 Mr '63.

Session of the Central Research Institute of Physical Education. V. P. Filin. Teor. i prak. fiz. kul't. 26 no. 4:76-77 Apr '63.

Some mathematical methods of evaluating the effectiveness of training. S. T. Klevak. Teor. i prak. fiz. kul't. 26 no. 4:39-42 Apr '63.

Strength, health and beauty. A. Zil'berber. Smeat 39 no. 12:30-31 Je '63.

Studying sociological aspects of physical culture. V. A. Artemov. Teor. i prak. fiz. kul't. 26 no. 4:59-60 Apr '63.

PHYSICAL EDUCATION AND TRAINING—BIBLIOGRAPHY see Bibliography—Physical education and training

PHYSICAL EDUCATION AND TRAINING—PERIODICALS see subdivision under Germany, East

PHYSICAL EDUCATION AND TRAINING—RESEARCH Moscow. Vystavka dostizhenii narodnogo khozaystva SSSR. Pavil'on "Fizkultura i sport." [Vector dynamometry in sports] Vektornaya dinamografiya v sporte. Moskva, 1962, 11 p.

PHYSICAL EDUCATION AND TRAINING—TEACHER TRAINING

Carrying out organized pedagogic practice. T. M. Kanavets. Teor. i prak. fiz. kul't. 26 no. 4:60-62 Apr '63.

PHYSICAL EDUCATION FOR CHILDREN

Can a "nonspecialist" conduct a physical education lesson professionally? M. Stankin. Nach. shkola 31 no. 2: 40-51 F '63.

How to conduct morning calisthenics. A. Revzen. Shkola-int. no. 1:75-78 Ja-F '63.

Physical education in classes. Z. P. Vodnaya. Inostr. iaz. v shkole no. 2:64-67 Mr-Apr '63.

Play exercises and their pedagogical guidance. T. Oskina. Doshk. vosp. 36 no. 2:21-24 F '63.

PHYSICAL EDUCATION FOR WOMEN

The Soviet woman and physical education. Teor. i prak. fiz. kul't. 26 no. 3:1-5 Mr '63.

PHYSICAL GEOGRAPHY

(see also subdivision under Antarctic regions; Kuybyshev Reservoir region)

Kutyreva, N. S. [Practical work on the physical geography of the U.S.S.R.]. Prakticheskie raboty po fizicheskoi geografii SSSR; dlia estestvenno-geograficheskikh i geograficheskikh fakul'tetov pedagogicheskikh i pedagogicheskikh fakul'tetov. Moskva, Uchpedgiz, 1962, 73 p. maps.

[MICROFILM]

PHYSICAL GEOGRAPHY (Continued)

Survey of the taxonomic units of physiogeographical regionalization. A. E. Fedina. *Izv. AN SSSR, Ser. geog.* no. 2:91-99 Mr-Apr '63.

PHYSICAL INSTRUMENTS

Stable materials for windows in chambers for studying discharges through gases under pressure. I. U. P. Uslov, G. A. Vorob'ev. *Prib. i tekhn. eksp.* 8 no. 2:177-178 Mr-Apr '63.

Transmissive function of a two-rotor neutron beam chopper. V. P. Veretnyy, V. V. Koloty. *Prib. i tekhn. eksp.* 8 no. 2:165-167 Mr-Apr '63.

PHYSICAL THERAPY

(see also subdivision under Turkestan)

Technique, K. F., and L. A. Komarova. [Technique and method of performing physiotherapeutic procedures] *Tekhnika i metodika provedeniya fizioterapevtskikh protsedur; spravochnik dlya srednego meditsinskogo personala.* Leningrad, Medgiz, 1963. 310 p. (DNL)

Physiotherapy in the compound treatment of traumatic lesions. A. M. Landa. *Vop. kur., fizioter. i lekhn. fiz. kul't.* 20 no. 1:3-9 '63.

Use of physical therapy for hypertensive patients in a polyclinic. I. U. Berkutskaya. *Sbor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh.* no. 2:94-104 '61.

PHYSICALLY HANDICAPPED—REHABILITATION

(see also subdivision under Moscow)

They don't give up. R. Ashurbekov. *Sots. obshch.* 24 no. 3:42-43 Mr '63.

PHYSICIANS

(see also subdivision under Lithuania; White Russia)

Thirty years in the ranks. A. Trofimov. *Sots. obshch.* 24 no. 3:36-39 Mr '63.

PHYSICS

The laws of nature" by R. E. Peierls. A book review. *Priroda* 62 no. 4:18 '63.

Physics: trial textbook for the seventh grade of evening "lagged" schools" by A. I. Antaov. Reviewed by L. P. Sivkov. *Fiz. v shkole* 23 no. 1:109 Ja-F '63.

Remarks on textbooks. G. N. Babenko and others. *Fiz. v shkole* 23 no. 1:102-103 Ja-F '63.

Short textbook in physics for students registering at the institutions of higher learning" by L. V. Sobolev. "How to prepare for the entrance examinations to the institutions of higher learning: physics" by V. R. Saulit, V. I. Padalko. Reviewed by S. I. Kniatzev. *Fiz. v shkole* 23 no. 1:101-102 Ja-F '63.

PHYSICS—ABSTRACTS

Physics] *Ref. zhur. i Fiz.* nos. 4-5 Ap-May '63.

PHYSICS—BIBLIOGRAPHY

(see Bibliography—Physics)

PHYSICS—EXPERIMENTS

Laboratory work in physics in the sixth grade of rural schools. A. I. Evseev. *Fiz. v shkole* 23 no. 1:100-103 Ja-F '63.

Suggestions and advice. I. U. Luk'yanov, I. I. Maksimets, V. M. Bokhovkin. *Fiz. v shkole* 23 no. 1:80 Ja-F '63.

PHYSICS—PERIODICALS

(see also subdivision under Czechoslovakia)

Cyclopedia of modern physics; 45th anniversary of the periodical "Uspekhi fizicheskikh nauk". S. V. Vonsovskii. *Priroda* 62 no. 4:122-123 '63.

PHYSICS—PROBLEMS, EXERCISES, ETC.

Editor's mail. G. R. Lisanker. *Fiz. v shkole* 23 no. 1:9-100 Ja-F '63.

Short quizzes in physics. B. A. Slobodskov. *Fiz. v shkole* 23 no. 1:87 Ja-F '63.

PHYSICS—RESEARCH

(see also subdivision under Azerbaijan)

Comments by academician Landau. D. Danin. *Nauka i zhizn* 12 no. 2:46-48 F '63.

PHYSICS—STUDY AND TEACHING

(see also subdivision under Czechoslovakia; Estonia)

Discussing innovations and inventions in physics lessons. P. P. Orehov, M. V. Bol'tanova. *Fiz. v shkole* 23 no. 1:4-78 Ja-F '63.

Discussion lessons. K. K. Travov. *Fiz. v shkole* 23 no. 1:83-86 Ja-F '63.

Acceleration of the present-day achievements in science and technology during physics lessons. G. R. Lerner. *Fiz. v shkole* 23 no. 1:13-16 Ap '63.

Lesson dedicated to the topic "Physics and sports." A. A. Syrov. *Fiz. v shkole* 23 no. 1:56-58 Ja-F '63.

Step with life. A. Labedeva. *Nar. obr.* no. 4:36-42 Ap '63.

International system of units in the teaching of physics. I. N. Malov. *Fiz. v shkole* 23 no. 1:22-24 Ja-F '63.

Method of the presentation of capillary ascent. V. K. Kursov. *Fiz. v shkole* 23 no. 1:24-26 Ja-F '63.

The study of the topic "World gravitation." A. A. Kurisya. *Fiz. v shkole* 23 no. 1:31-33 Ja-F '63.

Sanitizing physics lessons. A. V. Murav'ev. *Fiz. v shkole* 23 no. 1:61-64 Ja-F '63.

Physics lessons at a factory. D. G. Titova. *Fiz. v shkole* 23 no. 1:94 Ja-F '63.

Production assignments in physics in rural schools. F. I. Kochurov. *Fiz. v shkole* 23 no. 1:79-83 Ja-F '63.

Study of polymers in a physics course. I. I. Podgornova. *Fiz. v shkole* 23 no. 1:14-21 Ja-F '63.

Teaching physics in connection with work training. P. V. Volkov. *Fiz. v shkole* 23 no. 1:77-79 Ja-F '63.

PHYSIOLOGICAL APPARATUS

New method of registering and evaluating the contracting capacity of the mimetic and chewing musculature. N. E. Kaytorova. *Stomatologiya* 41 no. 5:73-77 S-O '62.

PHYSIOLOGICAL OPTICS

(see Optics, Physiological)

PHYSIOLOGICAL PSYCHOLOGY

(see Psychology, Physiological)

PHYSIOLOGICAL THERAPEUTICS

(see Therapeutics, Physiological)

PHYSIOLOGY

Congress of Physiological Sciences at Leyden. P. G. Kostuk. *Vest. AN SSSR* 33 no. 4:82-84 Ap '63.

Parin, V. V., and R. M. Basyuk. [Cybernetics in medicine and physiology] *Kybernetika v meditsine i fiziologii.* Moskva, Medgiz, 1963. 117 p.

PHYTOGEOGRAPHY

(see subdivision under Aynov Islands)

PHYTONCIDES

Antibiotics from plants. S. Matvienko. *Nauka i zhizn* 12 no. 2:43 F '63.

Protistocidal characteristics of *Sophora japonica*. V. A. Dandukova. *Nauch. dokl. vys. shkoly; biol. nauk* no. 2: 154-156 '63.

Utilization of phytoncidal plants for the conservation of water. V. G. Bogolubova. *Bot. zhur.* 48 no. 2:231-234 F '63.

PHYTOPATHOGENIC BACTERIA

(see Bacteria, Phytopathogenic)

PHYTOPLANKTON

(see subdivision under Atlantic Ocean; Dubossary Reservoir)

PHYTOSOCIOLOGY—RESEARCH

Use of the correlation coefficient of interspecific relations. T. E. A. Prof. Bot. zhur. 48 no. 2:235-239 F '63.

PIANISTS

He played for V. I. Lenin. E. Kolobkova. *Ukraina* no. 7: 2 Ap '63.

"Portraits of pianists" by D. Rabinovich. Reviewed by T. Kogan. *Sov. muz.* 27 no. 3:138 Mr '63.

PICTURES

The CPSU in a fine arts "exhibition." Part. zhizn' no. 9: 78-79 My '63.

Thematic pictures. E. A. Polishchuk. *Nach. shkola* 31 no. 3:55-62 Mr '63.

PIEZOELECTRIC SUBSTANCES—ACOUSTIC PROPERTIES

Limitation of sound amplification in piezoelectric semiconductors. V. L. Gurevich. *Fiz. tver. tela* 5 no. 4: 1222-1225 Ap '63.

PIEZOELECTRICITY

Reversible piezoelectric effect of triglycine sulfates. A. A. Potchenkov, M. P. Zaitseva. *Kristallografiya* 7 no. 6: 934-937 N-D '62.

PIEZOELECTRICITY—MEASUREMENT

Piezomodulus measurement by the falling ball method. L. B. Kotliarskiy, I. E. Shkol'nik. *Akust. zhur.* 9 no. 2: 230-238 '63.

PIGEONS

(see subdivision under Odessa)

PIGMENTS

Synthesis and investigation of the characteristics of nickel titanates and mixed nickel-titanium pigments. N. S. Rassudova and others. *Lakokras. mat. i kh. prim.* no. 2:26-29 '63.

PIKE

(see subdivision under Tsimlyansk Reservoir)

PIKE FISHING

At the break of dawn. *Ukraina* no. 6:30-31 Mr '63.

PIKE PERCH

(see also subdivision under Dubossary Reservoir)

Biological groups of pike perch as related to its culture in reservoirs. V. Z. Trusov. *Izv. GosNIORKH* 45:226-240 '68.

PILING (CIVIL ENGINEERING)

Industrial experience with electrosmoothes used to increase the bearing capacity of hollow cylindrical piles. B. F. Reptov, B. P. Erykhov. *Gidrot. i inzh. stroit.* 33 no. 2:51-52 F '63.

Vibration method of sinking piling, sheet piling, pipes, boring holes, and breaking soil. D. D. Barkan. *Sbor. trud. MBI* no. 30:155-156 '61.

PILING (CIVIL ENGINEERING)—EQUIPMENT AND SUPPLIES

Pile-driver equipment mounted on the D-271 bulldozer. Suggested by A. N. Lunichkin. *Stroi. trubo. i inzh. stroit.* no. 4:27 Ap '63.

PILING (CIVIL ENGINEERING)—STANDARDS

"Foundations and footings made of piles and cylindrical shells. Precast elements." *Blat. stroit. i tekhn.* 20 no. 3:10-11 Mr '63.

PILOCARPINE

Pilocarpine secretion of digestive glands. A. I. Iemchenko. *Vysnyk Kyiv. un.* no. 1. Ser. biol. no. 2:171-180 '58.

PINE

(see also subdivision under Il'men Mountain region; Irtysh Valley; Kanonerka region; Kustanay Province; Ukraine)

Wood starch from pine shoots. A. V. Peskova. *Sbor. trud. TSNIKHI* no. 14:106-115 '61.

PINE—DISEASES AND PESTS

(see subdivision under Ararat' region)

PINENE

Polychloroprene. D. F. Rudnev. *Zashch. rast. ot vred. i bol.* 6 no. 11:39 N '61.

Polychloroprene and chlorophyll in controlling forest pests. D. F. Rudnev, N. E. Kononova. *Zashch. rast. ot vred. i bol.* 6 no. 8:35 Je '61.

PINK—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Why are our propagandists dissatisfied? I. Khishin. *Komm. Bol.* 37 no. 3:41-44 Mr '63.

PIONEERS (COMMUNIST YOUTH)

(see also subdivision under Mari A. S. S. R.; Ryazan Province; Uzbekistan)

All-Union competition of Pioneer detachments. *Prep. ist. v shkole* 18 no. 2:71-76 Mr-Apr '63.

All-Union Conference on Problems of the Pioneer Movement. *Sov. pedag.* 27 no. 4:152-154 Ap '63.

Foreign language in a Pioneer camp. M. Got'dshel'm. *Inostr. iaz. v shkole* no. 2:94-96 Mr-Apr '63.

How our troop takes part in the all-Union competition of Pioneer detachments. M. Trubachova, M. Koval'. *Shkola-int.* no. 1:55-59 Ja-F '63.

Pedagogical science and problems of the Pioneer movement. I. A. Kairov. *Sov. pedag.* 27 no. 4:12-23 Ap '63.

Rusov, Georgii. [A story about Pioneer troops] *Povest' o družinnikakh.* Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoye v zhizni, nauke, tekhnike. X Seriya; Molodezhnaya, no. 4)

Schools and the Pioneer organization. M. Kashin. *Nar. obr.* no. 4:18-24 Ap '63.

Training of young Leninists. *Nar. obr.* no. 4:5 Ap '63.

Work of the Pioneer organization at the present-day stage of the development of communism. L. Balaanala. *Nar. obr.* no. 4:6-17 Ap '63.

PIONEERS (COMMUNIST YOUTH)—BIBLIOGRAPHY

(see Bibliography—Pioneers (Communist Youth))

PIPE

Masters of metal arteries. I. U. Orlik. *Znaniya ta pratsia* no. 2:18-19 F '63.

PIPE—FLUID DYNAMICS

Heat transfer and hydraulic resistance of the flow of a liquid suspension in pipes. V. I. Kofanov. *Teploenergetika* 10 no. 3:58-62 Mr '63.

PIPE—HYDRODYNAMICS

Device for measuring pressure fluctuations on the walls of a pipeline during the movement of a current carrying suspended particles. M. O. Silin, I. A. Plashchenko. *Visti Inst. hidrol. i hidr. AN URSSR* 21:84-87 '62.

Device for measuring vortical pulsation speeds in pressure pipelines during the movement of currents carrying suspended particles. M. O. Silin, I. A. Plashchenko. *Visti Inst. hidrol. i hidr. AN URSSR* 21:88-93 '62.

Structure of the current and hydraulic supports in pressure pipelines during the transportation of soil in suspension. V. M. Karasyk. *Visti Inst. hidrol. i hidr. AN URSSR* 21: 68-113 '62.

PIPE—PAINTING

Painting of the inner surface of pipes by means of the UVOT-1 system. V. L. Gols. *Lakokras. mat. i kh. prim.* no. 2:63-66 '63.

PIPE—WELDING

Radio frequency keeps watch. G. Dehtiaranko. *Znaniya ta pratsia* no. 2:10 F '63.

PIPE, CAST-IRON

(see subdivision under Mogilev)

PIPE, CONCRETE

Improved techniques of manufacturing reinforced concrete pipe. I. U. V. Korotkov. *Tranp. stroit.* 13 no. 3:22-23 Mr '63.

Unit for the manufacture of reinforced concrete socket pipes and rings. D. Rudenko. *Prom. stroit. i inzh. soor.* 5 no. 2:58 Mr-Apr '63.

PIPE, CONCRETE—STANDARDS

Standardizing the surface roughness of reinforced concrete pipe. V. Lozanekii. *Prom. stroit. i inzh. soor.* 5 no. 2:42-43 Mr-Apr '63.

- PIPE, ELASTIC**
A copy which is better than its original. L. Pozniak. Ukraina no. 4:20-21 F '63.
- PIPE, GLASS**
Indoor water supply with insulated glass and rubber pipes on livestock farms. M. Nechaev, Stal'bud, 12 no. 5: 9-12 My '62.
Installation and operation of glass brine batteries and pipe systems. V. M. Shlakhovetskii, Khol. tekhn. 40 no. 5:55-59 Mr-Apr '63.
- PIPE, PLASTIC**
International symposium of drainage-improvement specialists on the use of plastics. V. I. Antonov, Plast. massy no. 4:78-79 '63.
Mechanical properties of pipes made of low pressure polyethylene with fillers. I. N. Mirolubov, M. G. Sukharev, Plast. massy no. 3:62-65 '63.
Plastic pipe drainage and its mechanized construction abroad. V. N. Gorlinskii, Gidr. i mel. 15 no. 2:30-48 F '63.
Polyethylene plastic and steel pipes lined with vinyl plastic materials. Prom. energ. 18 no. 4:56 Ap '63.
- PIPE, RUBBER**
Indoor water supply with insulated glass and rubber pipes on livestock farms. M. Nechaev, Stal'bud, 12 no. 5: 9-12 My '62.
- PIPE, STEEL**
Polyethylene plastic and steel pipes lined with vinyl plastic materials. Prom. energ. 18 no. 4:56 Ap '63.
Russia (1023- U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions SN 198-61 for planning mine piping] [Ukazaniia po proektirovaniu shakhtnykh truboprovodov (SN 198-61). Moskva, Gosstroizdat, 1962. 34 p.]
[MICROFILM]
Study of the development of cracks in the welded sleeve joints of Kh18Ni2T steel. M. I. Aristov and others, Teploenergetika 10 no. 3:18-21 Mr '63.
Use of electrically welded steel pipes. M. A. Semenov, Prom. energ. 18 no. 1:40-41 Ja '63.
- PIPE, STEEL—WELDING**
Corrosion resistance of stainless steel pipe welded by the argon-arc method. E. I. U. Chomadurova, G. N. Iakovleva, Avtom. svar. 10 no. 3:50-61 Mr '63.
Effect of the cold deformation of welded OKh18Ni9T steel pipe on its tendency toward intergranular corrosion. E. I. U. Chomadurova, G. N. Iakovleva, Avtom. svar. 10 no. 4:73-77 Ap '63.
Length of a smooth transition and the relative elongation of edges during the shaping of pipe. I. U. A. Mednikov, Stal' 23 no. 4:348-351 Ap '63.
Production of electrically welded pipe of small and medium diameters. B. D. Zhukovskii, Met. i gornorud. prom. no. 1:31-34 Ja-F '63.
- PIPE BENDING**
Pipe bending with induction heating. I. N. Al'bov, Kuz.-shtam. proizv. 5 no. 4:44-45 Ap '63.
- PIPE FITTING**
Assembly design. A. K. Volnianskii, A. L. Steshenko, Vod. i san. tekhn. no. 4:31-32 Ap '63.
Glued joints of parts of piping in sanitary engineering installations. V. M. Khurlov, Vod. i san. tekhn. no. 4: 1-5 Ap '63.
- PIPE FLANGES**
Manufacture of built-welded flanges. S. B. Amosov, Kuz.-shtam. proizv. 5 no. 4:9-11 Ap '63.
- PIPE JOINTS**
Banded joint of ventilation pipes. B. S. Amurskii, A. A. Khan, Bezop. truda v prom. 6 no. 9:32 S '62.
Pipeline joints which are easy to disconnect. N. G. Plushchov, Gor. zhur. no. 4:71 Ap '63.
- PIPE-LAYING MACHINERY**
Dynamic stability of pipe-laying machinery. N. P. Shibanov, N. I. A. Kerakenbaum, Stroi. truboprov. 8 no. 4:33-36 Ap '63.
- PIPE MILLS**
(see also subdivision under Dnepropetrovsk region)
Length of a smooth transition and the relative elongation of edges during the shaping of pipe. I. U. A. Mednikov, Stal' 23 no. 4:348-351 Ap '63.
Producing tubes of economical section on pilger mills. M. A. Shubik and others, Stal' 23 no. 4:348-348 Ap '63.
Size of the relative displacement of the conical die in the cold rolling of pipe. V. I. Sokolovskii, TSvet. met. 36 no. 4:77-82 Ap '63.
Smokeless lubrication for pipe rolling on continuous mills. P. V. Savkin and others, Met. i gornorud. prom. no. 1:66-72 Ja-F '63.
- PIPE MILLS—ELECTRIC EQUIPMENT** see subdivision under Chelyabinsk
- PIPE MILLS—MAINTENANCE AND REPAIR**
Experience in the mechanized build-up welding of metallurgical equipment parts. B. I. Baikin, I. A. Utin, Avtom. svar. 16 no. 4:67-70 Ap '63.
- PIPE MILLS—SAFETY MEASURES**
Professionalnyi soluz rabochikh metallurgicheskoi promyshlennosti. Tsentral'nyi komitet. [Safety regulations in pipe-rolling and pipe-welding industries] Pravila bezopasnosti v truboprolatnom i trubosvarochnom proizvodstve. Moskva, Metallurgizdat, 1962. 119 p.
- PIPELINE TRANSPORTATION OF SOLIDS** see Hydraulic conveying
- PIPELINES**
(see also subdivision under Angara Valley; Pit Valley; Russia, Northern)
[Calculating the strength of pipelines] Raschet truboprovodov na prochnost'; spravochnaia kniga. [By] A. G. Kamershtain i dr. Moskva, Gostoptekhizdat, 1963. 427 p.
Design practices which increase the intervals between the bearing elements of overhead intrafactory pipelines. Z. Abramovich and others, Prom. stroi. i inzh. soor. 5 no. 2:45-46 Mr-Apr '63.
Ivanov, E. A., A. V. Shepelev, and E. V. Lialin. [Pipelines in the chemical industry] Truboprovody v khimicheskoi promyshlennosti. Moskva, Mashgiz, 1963. 427 p.
Laws governing the motion of a liquid under pressure in circular pipes. A. V. Teplov, Trudy MIIT no. 139: 72-78 '61.
Mechanical calculation of the running of a mast-supported pipeline. E. M. Zalkind, Elek. sta. 34 no. 2:31-33 F '63.
Papatsenko, Kh. I. [Design, construction and operation of self-supporting, suspended pipelines] Proektirovanie, stroitel'stvo i eksploatatsiia samoneosushchikh provislushchikh truboprovodov. Moskva, Gostoptekhizdat, 1963. 110 p.
[Pipelines in the chemical industry] Truboprovody v khimicheskoi promyshlennosti. [By] E. A. Ivanov, A. V. Shepelev, E. V. Lialin. Moskva, Mashgiz, 1963. 427 p.
Tsilin, P. G. [Application of bituminous coatings on pipes at a plant] Bituminaia izoliatsiia trub na zavodo. Moskva, Gosstroizdat, 1963. 122 p.
- PIPELINES—ABSTRACTS**
[Pipeline transportation] Ref. zhur.: Trub. transp. nos. 4-5 Ap-May '63.
- PIPELINES—BUILDINGS AND STRUCTURES**
Increase the rate of construction of compressor stations on the Bukhara - Ural Mountain Gas Pipeline and of pumping stations on the "Druzhba" Petroleum Pipeline. Stroi. truboprov. 8 no. 4:1-2 Ap '63.
- PIPELINES—COMMUNICATION SYSTEMS**
Change the organization of work in the construction of communication lines. E. I. Zagorskii, Stroi. truboprov. 8 no. 4:4-5 Ap '63.
Why the construction of means of communication is falling behind. E. I. Rudominov, Stroi. truboprov. 8 no. 4:3-4 Ap '63.
- PIPELINES—CORROSION**
Effect of water and electrolyte solutions on poly(vinyl chloride) anticorrosion coatings. V. G. Ben'kovskii, T. M. Bogoslovskaya, E. A. Drizo, Trudy Inst. nefi AN Kazakh, SSSR 4:156-167 '61.
Kozlovskaya, A. A. [Insulating materials for protecting pipelines from corrosion] Izolatsionnye materialy dlia zaschity magistral'nykh truboprovodov ot korrozii. Moskva, Gostoptekhizdat, 1962. 150 p.
- PIPELINES—DESIGN AND CONSTRUCTION**
"Design of pipelines for strength" by A. G. Kamershtain, V. V. Rozhdostvenskii, M. N. Ruchinskii. Reviewed by G. V. Rattii, Stroi. truboprov. 8 no. 4:37-39 Ap '63.
Design of the supports for laying pipelines above ground. I. P. Petrov, V. V. Spiridonov, Stroi. truboprov. 8 no. 4:12-17 Ap '63.
Determining the layout of parallel pipelines. K. I. Krasovskii, Stroi. truboprov. 8 no. 4:8-10 Ap '63.
- PIPELINES—LAWS AND REGULATIONS**
Legal regulation of pipeline transportation in the U. S. S. R. O. N. Sadikov, Izv. vys. ucheb. zav. i prav. 6 no. 2:134-138 '62.
- PIPELINES—TESTING**
Use of an ultrasonic flaw detection technique in checking the thinning of pipe walls. A. Z. Raikhsman, Elek. sta. 34 no. 2:37-40 F '63.
- PIPELINES—THERMAL PROPERTIES**
Analytical studies of heat losses in structures placed underground or covered with earth under unsteady temperature conditions. O. G. Shehukin, Sbor. nauch. rab. AKKH no. 12:135-146 '62.
- PIPERYLENE**
Alkylation of aromatic compounds by diene hydrocarbons. Part 7: Alkenylation of phenetole by piperylene in the presence of ethyl etherate of boron fluoride. E. A. Vdovitsova, Uzb. khim. zhur. 7 no. 1:50-56 '63.
- PIPETTES**
Setting-up a Vasil'ev pipette for a complete analysis of the mechanical properties of soils (outfit of the Black Sea Experimental Research Station). N. G. Prokopshev, O. L. Stel'makh, Okeanologiya 3 no. 2:313-315 '63.
- PIPPITS**
Geographical variability of forest pippits. A. I. Khar'khin. Ornitologiya no. 4:453-457 '62.
- PISAREV, DMITRII IVANOVICH, 1849-1899**
Kaller, A. I. [D. I. Pisarev's critical views] Kriticheskie vzglyady D. I. Pisareva. Moskva, Vsesoyuznaya akad. nauk, 1962. 102 p. (Materialy k tekhnicheskoi nauke)
- PISTON RINGS**
For half a million piston rings per year. P. V. Semenov, Rech. transp. 22 no. 3:20 Mr '63.
Friction of a piston ring against a cylinder wall. P. V. Semenov, Avi. prom. 20 no. 6:44-45 Ja '63.
Manufacture of piston rings under continuous production. serial production of compressors. Khim. mashinostri. no. 2:36-37 Mr-Apr '63.
- PIT VALLEY—PIPELINES**
Construction of underground piping in the eastern part of the Angara-Pit Basin. V. Z. Bolotin, Prom. stroi. i inzh. soor. no. 12:55-61 '62.
- PITUITARY BODY**
Development and function of the thyroid gland and the anterior lobe of the hypophysis in the embryonic period of life of various poultry breeds. D. H. Rukhovich and others, Visky Kyiv, un. no. 3, Ser. 130, no. 1:1-13 '60.
Histogenesis of the thyroid gland and the anterior lobe of the hypophysis in broiler turkeys. V. I. Rukhovich, Visky Kyiv, un. no. 1, Ser. 140, no. 2:1-12 '61.
Resistance of adrenalectomized and hypophysectomized rats to acute oxygen deficit [with summary in English]. V. B. Malkin, A. F. Iurkov, Izv. AN SSSR, Ser. fiz.-mat. 398 '62.
- PLACER DEPOSITS**
(see also subdivision under West Altai mountains)
Potamkin, K. V., and A. N. Spitsyn. [Hare deposits on the placer deposits of foreign countries] Pechen'nye meny v rossiyskikh zarubezhnykh stranakh. Moskva, Izd-vo Akad. nauk SSSR, 1963. 90 p.
- PLAGUE**
Use of formalized chicken erythrocytes for the passive hemagglutination and the neutralization of antibodies in plague. I. U. G. Sukhova, Izv. AN SSSR, Ser. fiz.-mat. 398 '62.
- PLAINS**
Geomorphology of accumulative lacustrine plains. D. A. Timofeev, Izv. AN SSSR, Ser. geogr. 14-24 Mr-Apr '63.
Important cycles in the relief development of the plains. I. U. A. Meshcheriakov, Izv. AN SSSR, Ser. geogr. no. 2:3-13 Mr-Apr '63.
- PLANETS, MINOR**
Elliptic elements of the orbit of asteroid 1961 BA. V. K. Abalakin, Astron. tsir. no. 23:18-9 N '63.
Elliptic elements of the orbit of the new minor planet 1961 EA. V. K. Abalakin, Astron. tsir. no. 23:18-9 N '62.
- PLANKTON, FOSSIL**
Theodolite paleontologic stage; new method for studying a fossil of micropaleontology. I. V. Timofeeva, Vopr. VNIIGRI no. 106. Paleont. sbor. no. 3:111-112 '62.
- PLANNING HULLS**
Establishing optimum relations among values characterizing the motion of hydrofoils. A. M. Timofeeva, A. I. Ukhimenko, Prikl. mekh. 0 no. 1:111-112 '63.
- PLANT BREEDING**
Elliott, F. C. [Plant breeding and cytogenetics. Translated from the English] Solokhella rasteniivodstva. tika. Pod red. is predisl. A. R. Zhabraka, Moskva, Izd-vo inostr. lit-ry, 1961. 447 p. (RPB)
- PLANT BREEDING—CONGRESSES**
Leningrad. Institut rasteniivodstva. [Congress of postgraduates and young research workers, in celebration of the 40th anniversary of the Great October Socialist Revolution; abstracts of experimental research]. Nauchnaia konferentsiia aspirantov i molodykh nauchnykh rabotnikov, posviashchennnaia 40-letiiu Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii. referaty eksperimental'nykh rabot. Leningrad, 1962. 99 p. (DNAL)
- PLANT CUTTINGS**
Anatomical and morphological investigation of some species of mock orange (Philadelphus L.) during their propagation by cuttings. N. N. Shkurat, Sbor. nauch. rab. vys. shkoly; biol. nauki no. 2:124-139 '63.
Inverted stratification of vine cuttings with summary in English. G. I. Andin, Shkola i proizv. 7 no. 2:85-81 F '63.
Practices in growing white and black poplar plantlets from winter stem cuttings. G. V. Grigor'ev, Vopr. zhur. AN Kazakh, SSR 14:50-62 '62.
Practices in propagating the Siberian jet tree by stem cuttings. G. S. Vozniakova, Trudy Ural. gos. univ. no. 17:110-112 '60.
Propagating mulberry trees by means of cuttings. F. W. Malkov, Biol. v shkole no. 2:84 Mr-Apr '63.

PLANT DISEASES

"Forecasting the appearance and calculating the prevalence of plant diseases and agricultural pests." Reviewed by G. I. Korotkiy. Zashch. rast. ot vred. i bol. 6 no. 6:59 Je '61.

Improve observations and forecasts on the spread of pests and diseases. I. A. Poltavov. Zashch. rast. ot vred. i bol. 6 no. 11:40-42 N '61.

PLANT INTRODUCTION see subdivision under Ukraine; Volynsky District

PLANT LICE see subdivision under Poltava Province

PLANT LICE—EXTERMINATION see subdivision under Ukraine

PLANT PHYSIOLOGY

Godnev, T. N., ed. [Problems of plant physiology and microbiology] Voprosy fiziologii rastenii i mikrobiologii. Minsk, Izd-vo M-vysshshgo, arednogo spetsial'nogo i professional'nogo obrazovaniia BSSR, No. 2, 1961, 153 p.

"Plant physiology" by V. A. Novikov. Reviewed by F. F. Matekov. Bot. zhur. 48 no. 3:453-455 Mr '63.

PLANT POPULATIONS

Populations and their role in the life of species [with summary in English]. V. N. Vasil'ev. Bot. zhur. 48 no. 3:341-349 Mr '63.

PLANT QUARANTINE

Quarantine disinsection against fruit flies. V. E. Kretseberg. Zashch. rast. ot vred. i bol. 6 no. 11:40-52 N '61.

PLANTERS (AGRICULTURAL MACHINERY)

Rotary-blade sowing apparatus. N. Opanasenko. Tekh. v sel'skhoz. 23 no. 1:81-83 Ja '63.

PLANTS

It happens that... IUN, nat. no. 3:32-33 Mr '63.

PLANTS—CHEMICAL ANALYSIS

Carbohydrates of the various tissues of grapevine shoots as related to the degree of frost resistance of the variety. S. A. Marutina. Biokhim. vin. no. 7:16-24 '63.

Extract as indicator of the quality of desert wines and its changes in the course of grape ripening. Z. I. Galvonskaya. Biokhim. vin. no. 7:43-57 '63.

Relation between the resistance to frost of the grapevine and its biochemical characteristics. R. G. Sankin. Biokhim. vin. no. 7:5-15 '63.

Role of the intensity of sugar accumulation and of the amino acids composition of grapes in the formation of the organoleptic qualities of wine and juices. L. N. Nechaev. Biokhim. vin. no. 7:25-42 '63.

PLANTS—COLLECTION AND PRESERVATION

Protection of botanical collections from pests. V. G. Dor. Bot. zhur. 48 no. 3:304-305 Mr '63.

PLANTS—FROST RESISTANCE

(see also subdivision under Bashkiria)

Adaptive reactions of fruit crops in temperate and northern latitudes. D. P. Protsenko, L. A. Sirenko. Visnyk Kyiv. un. no. 3. Ser. biol. no. 1:35-55 '60.

Dynamics of chlorophyll a and b and the activity of chlorophyllase in apple trees of various winter hardiness. D. P. Protsenko, L. A. Sirenko. Visnyk Kyiv. un. no. 2. Ser. biol. no. 1:37-41 '59.

Frost resistance of Cryptomeria japonica Don. I. I. Babriak. Bot. zhur. 48 no. 2:269-270 F '63.

Intensity of respiration of leaves in fruit varieties of various winter hardiness. A. O. Skofenko. Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:63-68 '58.

Some biochemical characteristics of fruit varieties of various winter hardiness. A. O. Skofenko. Visnyk Kyiv. un. no. 2. Ser. biol. no. 1:43-48 '59.

Water balance and frost resistance of the root system of wild fruit crops. A. V. Kaplin. Visnyk Kyiv. un. no. 3. Ser. biol. no. 1:78-88 '60.

PLANTS—METABOLISM

"Plant nutrition and metabolism" [in German] by Konrad Mengel. Reviewed by A. V. Kostitsyn. M. I. A. Shkol'nik. Bot. zhur. 48 no. 2:289-291 F '63.

PLANTS—NUTRITION

Lisenco, T. D. [Soil nutrition of plants as a basic problem in the science of agriculture] Hruntove zhyvlennia roslin - korinne pytannia nauky zemlerobstva. Persklad z 3. dop. rossijs'koho vyd. Kyiv, Dorzhnill'hospyvday URSSR, 1963, 206 p. (DNAL)

"Plant nutrition and metabolism" [in German] by Konrad Mengel. Reviewed by A. V. Kostitsyn. M. I. A. Shkol'nik. Bot. zhur. 48 no. 2:289-291 F '63.

Ways of increasing the availability of peat nitrogen to plants. Z. D. Ozolina, G. M. Blinova. Torf. prom. 40 no. 2:22-25 '63.

PLANTS—RESPIRATION

Intensity of respiration of leaves in fruit varieties of various winter hardiness. A. O. Skofenko. Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:63-68 '58.

Uncoupling of respiration and phosphorylation in necrotized tissues of potato tubers [with summary in English]. B. A. Rubin, O. L. Ozeretskova. Biokhimia 28 no. 1:80-88 Ja-F '63.

PLANTS—TRANSPIRATION

(see also subdivision under Pamirs)

Characteristics of water balance and carbohydrate metabolism in some trees and shrubs of the Karaganda industrial area. A. S. Sitnikova. Trudy Inst. bot. AN Kazakh. SSR 14:170-184 '62.

PLANTS—WATER REQUIREMENTS

(see also subdivision under Kazakhstan)

Water balance of dominant and associated species of shortgrass semisavannas [with summary in German]. K. P. Rakhmanova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 2:125-162 '62.

Water balance of dominant species of some types of subalpine vegetation [with summary in German]. K. P. Rakhmanova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 2:163-193 '62.

Water balance of tomatoes grown in a greenhouse. T. V. Lapina. Visnyk Kyiv. un. no. 2. Ser. biol. no. 1: 59-67 '59.

PLANTS, CULTIVATED

"Five continents" by N. I. Vavilov. A book review. Priroda 62 no. 4:35 '63.

[Plant culture] Ref. zhur.: Rast. no. 10 My '63.

PLANTS, EDIBLE see subdivision under Darvaga Range

PLANTS, EFFECT OF CHEMICALS ON

Effect of the stimulation of corn seed on the activity of enzymes in stimulated plants. V. H. Chykalenko. Visnyk Kyiv. un. no. 2. Ser. biol. no. 1:51-57 '59.

PLANTS, EFFECT OF COSMIC RAYS ON

Experimental study on the effect of cosmic radiation on higher plants [with summary in English]. I. U. L. Sokolov, A. V. Gurskii. Probl. kosm. biol. 2:164-169 '62.

PLANTS, EFFECT OF GRAVITY ON

Gravity and plants. V. Mokryshchuk, I. Shakin. Nauka i zhytlin 12 no. 2:40-41 F '63.

PLANTS, EFFECT OF LIGHT ON

Effect of light conditions on the development of generative organs in corn. G. I. Kosobokov. Bot. zhur. 48 no. 3:379-383 Mr '63.

Role of the photoadaptation and photoreactivation of plants in space flight [with summary in English]. A. A. Shakhov, S. A. Starke, V. S. Khazanov. Probl. kosm. biol. 2:340-363 '62.

PLANTS, EFFECT OF PHOSPHATES ON

Organic-mineral granulated fertilizers increase crop yields. M. B. Krut'kov. Zemledelie 25 no. 1:74-75 Ja '63.

PLANTS, EFFECT OF RADIATION ON

Nauchnaya konferentsiya po predposlovnemu obлучeniyu semian, 1961. [Irradiation of farm crop seeds before sowing] Predposlovnoe obлучenie semian sel'skokhoziaistvennykh kul'tur; materialy. Moskva, Izd-vo Akad. nauk SSSR, 1963, 213 p. (DNAL)

PLANTS, EFFECT OF SOIL MOISTURE ON

Role of long-rhizome species in the formation of grass stands as related to soil moisture. E. L. I. Iubarskii. Bot. zhur. 48 no. 3:403-405 Mr '63.

PLANTS, EFFECT OF SPACE FLIGHT ON

Effect of the conditions of space flight on the seeds of higher plants and on actinomyces [with summary in English]. V. V. Khvostova and others. Probl. kosm. biol. 2:153-163 '62.

PLANTS, EFFECT OF TEMPERATURE ON

(see also subdivision under Balhash Lake region; Europe, Western)

Heat and frost resistance of leaf cells of the yellow star-of-Bethlehem at different stages of development. N. L. Feldman, I. E. Kamenskaya. Bot. zhur. 48 no. 3: 414-419 Mr '63.

Heat resistance of the protoplasm of the representatives of various types of herbaceous plants of Tajikistan [with summary in German]. L. G. Bregetova, A. I. Popova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 2:3-107 '62.

Uncoupling of respiration and phosphorylation in necrotized tissues of potato tubers [with summary in English]. B. A. Rubin, O. L. Ozeretskova. Biokhimia 28 no. 1:80-88 Ja-F '63.

PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of fertilizers on the absorption of some microelements by plants. L. S. Travnikova. Nauch. dokl. vys. shkoly; biol. nauki no. 2:192-195 '63.

Effect of microelements (Mn and B) on the dynamics of glutathione content in leaves and stems of the grapevine. S. I. Mintberg, B. P. Khomits'kiy, M. M. Shatkovskaya. Visnyk Kyiv. un. no. 3. Ser. biol. no. 1:63-67 '60.

Effect of the conditions of root nutrition on the development and biochemical processes of hops. V. M. Parshikov. Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:69-79 '58.

PLANTS, EFFECT OF VITAMINS ON

Effect of vitamins B₁ and B₂ and gibberellin on the growth of the fungus Pomitopsis nana (Fr.) Karst. S. F. Negratskii. Nauch. dokl. vys. shkoly; biol. nauki no. 2: 144-147 '63.

PLANTS, EFFECT OF WIND ON

Dynamic effect of single gusts of wind on trees. H. G. Savitskii. Trudy TSNIIME no. 39:61-71 '62.

PLANTS, FLOWERING OF

Flowering of the duckweed Lemna gibba L. V. I. Mal'cev. Bot. zhur. 48 no. 2:272 F '63.

PLANTS, ORNAMENTAL—FERTILIZERS AND MANURES

Requirement of nutritive substances by decorative plants during individual phases of their growth. E. Z. Man'trova. Nauch. dokl. vys. shkoly; biol. nauki no. 2:141-153 '63.

PLANTS, POTTED

Flowers on the balconies. RU. Bibikau. Belarus' 20 no. 4:27 Ap '63.

PLANTS, PROTECTION OF

(see also subdivision under Azerbaijan; Chuvashia; Hungary; Kazakhstan; Lithuania; Pavlodar Province; Poltava Province; Rostov Province; Rumania; Tatar A. S. S. R.; Ukraine; Voronezh Province)

Brief reports. I. G. Atabekov and others. Zashch. rast. ot vred. i bol. 6 no. 6:56-57 Je '61.

Chemical protection of plants. V. I. Lohov, H. B. Rimov. Nauka i zhytlin 12 no. 2:8-10 F '63.

For systematic measures. M. I. A. Bondarovich. Zashch. rast. ot vred. i bol. 6 no. 11:13 N '61.

I. I. Mechnikov and A. O. Kovalevskii and plant protection. E. V. Zverezomb-Zubovskii. Zashch. rast. ot vred. i bol. 6 no. 11:59-61 N '61.

Mechanized student brigade. G. E. Osmolovskii, V. P. Markelova. Zashch. rast. ot vred. i bol. 6 no. 6:30-0 Je '61.

Motion pictures on plant protection. A. D. Petrenko. Zashch. rast. ot vred. i bol. 6 no. 6:63 Je '61.

On the "Krasnokhtab'skii" State Farm. K. V. Shubkina, P. M. Oshkova. Zashch. rast. ot vred. i bol. 6 no. 6: 4-5 Je '61.

Outlook and tasks of chemistry in plant protection. N. N. Mel'nikov. Zashch. rast. ot vred. i bol. 6 no. 11:19-21 N '61.

Questions and answers. G. P. Krut'kov and others. Zashch. rast. ot vred. i bol. 6 no. 6:39-40 Je '61.

Readers' letters. V. P. Pavlov, A. Kazimirov. Zashch. rast. ot vred. i bol. 6 no. 6:13 Je '61.

PLANTS, PROTECTION OF—BIBLIOGRAPHY see Bibliography—Plants, Protection of

PLANTS, PROTECTION OF—EXHIBITIONS

In the "Zemledelie" pavilion at the Exhibition of Achievements of the National Economy of the U.S.S.R., E. A. Frolikina. Zashch. rast. ot vred. i bol. 6 no. 11:56-57 N '61.

PLANTS, SEX IN

Inheritance of the sex type flower in F₂ of intervarietal crosses in the cultivated strawberry Fragaria ananassa Duch. [with summary in English]. M. P. Solntseva. Bot. zhur. 48 no. 2:182-181 F '63.

PLANTS AS SANITARY AGENTS

Applied radiation ecology. Priroda 62 no. 4:113 '63.

PLASMA (IONIZED GASES)

Calculation of electrical conductivity of gaseous mixtures in plasma state. O. A. Malkin. Radiotekh. i elektron. 8 no. 4:630-638 Ap '63.

Direct observation of solar plasma streams at a distance about 1,000,000 km. from the earth on February 17, 1961, and simultaneous observations of the geomagnetic field. K. I. Gringauz and others. Izv. spat. Zemn. no. 15:98-101 '63.

Energy emitted by an equilibrium plasma in spectral lines. L. M. Berman, V. S. Vorobey, G. E. Norman. Opt. i spekt. 14 no. 3:330-335 Mr '63.

Excitation of iono-acoustic waves and the heating of electrons in a plasma by an external electric field [with summary in English]. H. B. Ponomarenko. Zhur. eksp. i teor. fiz. 44 no. 4:1289-1297 Ap '63.

Extending the applicability of the linear absorption method. N. G. Preobrazhenskii. Opt. i spekt. 14 no. 3: 342-350 Mr '63.

Spreading of inhomogeneities in a weakly ionized plasma in a magnetic field (ambipolar diffusion) [with summary in English]. A. V. Gurevich. Zhur. eksp. i teor. fiz. 44 no. 4:1302-1308 Ap '63.

Stabilization of a "universally" unstable slightly inhomogeneous plasma containing relativistic electrons and enclosed in a magnetic field. G. M. Zaslavskii. Dokl. AN SSSR 148 no. 4:803-805 F '63.

Stationary distribution of the ion concentration of a positive column plasma in an external nonhomogeneous high-frequency field. K. S. Golovanovskii, A. A. Kozlovskii. Radiotekh. i elektron. 8 no. 4:622-629 Ap '63.

Steady plasma flow in a magnetic field [with summary in English]. A. P. Kazantsev. Zhur. eksp. i teor. fiz. 44 no. 4:1283-1288 Ap '63.

PLASMA (IONIZED GASES)—SPECTRA

Effect of polarity on the physical characteristics of the plasma stream of an arc generator [with summary in English]. L. I. Grechikhin, Zhur. anal. khim. 18 no. 1: 20-23 Ja '63.

PLASMA OSCILLATIONS

Oscillations of a weakly inhomogeneous plasma [with summary in English]. V. P. Silin, Zhur. eksp. i teor. fiz. 44 no. 5: 1271-1282 Ap '63.

PLASTER CASTS, SURGICAL

Morphological changes in the internal organs during the immobilization of an extremity; an experimental study [with summary in English in insert]. V. M. Gordienko, Ortop., travm. i protez. 23 no. 11: 68-72 N '62.

PLASTERING—EQUIPMENT AND SUPPLIES

We make wide use of small machinery. N. A. Kadochnikov, Transp. stroi. 13 no. 4: 43 Ap '63.

PLASTIC BEARINGS

Self-lubricating plastic bearings. V. A. Vinogradov, Iu. K. Kulikov, Tekst. prom. no. 2: 77-79 F '63.

PLASTIC LAMINATES see Laminated plastics

PLASTIC PIPE see Pipe, Plastic

PLASTIC SURGERY see Surgery, Plastic

PLASTICITY

Correction to the author's paper "insertion of rigid stamps into a plastic half-space" (PMM, 1959, v. XXII, No. 2). D. D. Ivlev, Prikl. mat. i mekh. 27 no. 2: 390-392 Mr-Apr '63.

Determining the fields of stresses and velocities engendered by the insertion of a rigid plane stamp into a plastic medium. L. S. Agamirzian, Trudy GPI [Gruz.] no. 6: 103-112 '61.

Increasing the plasticity of OKh23N18 and Kh23N18 steel ingots by hot deformation. E. I. Moshkevich and others, Kuz.-shtam. proizv. 6 no. 4: 18-19 Ap '63.

Presnjakov, A. A. [Physical nature of plasticity anomalies in metal alloys] Fizicheskaia priroda anomalii plastichnosti u metallicheskih sployov. Otv. red. I. G. Grinman, Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1963. 63 p.

Results of research on "Scientific principles of strength and plasticity" in 1962. O. I. Kulon, Prikl. mekh. 9 no. 3: 338-343 '63.

PLASTICIZATION

Effect of the type of plasticization of polyvinyl chloride on its physical properties [with summary in English]. I. N. Razinskaya, B. P. Shtarkman, Vysokom. soed. 3 no. 3: 393-396 Mr '63.

PLASTICIZERS

Reaction of cellulose esters with plasticizers. V. I. Bukhgalter, V. I. Gribkova, Plast. massy no. 4: 34-36 '63.

PLASTICS

(see also subdivision under Germany, East; Tashkent)

The assortment of plastics has expanded. G. Shalun, A. Shamirina, Na stroi. Ros. 4 no. 4: 19-20 Ap '63.

Basic elements of the theory of the process of casting letters from plastic. V. N. Ponomarev, Trudy NIIPo-igrafmash. no. 16: 3-36 '62.

Bratyskhin, E. A. [Technology of plastics] Tekhnologii plasticheskih mass, Leningrad, Goskhimizdat, 1963. 399 p.

[Collectors of electrical machines using plastic materials] Kollektory elektricheskikh mashin na plastmassy. [By] A. I. A. Fish i dr. Moskva, Gosenergoizdat, 1963. 191 p.

Effect of fillers on the properties of plastic compositions used in the manufacture of technological equipment. L. S. Akhmechet, L. V. Valser, A. R. Chudnovskii, Plast. massy no. 3: 37-38 '63.

In the Sanitary Engineering Research Institute, Biul. stroi. tekhn. 20 no. 4: 39-40 Ap '63.

Make more extensive use of plastics in the manufacture of motor vehicles. Avi. prom. 20 no. 5: 1-2 My '63.

Metal cladding with plastics. I. A. Al'shits, Plast. massy no. 4: 75-77 '63.

Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut novykh stroitel'nykh materialov. [Catalog of finishing materials and articles] Katalog odelochnykh materialov i izdelii. Pod red. M. P. Makotinskogo, [Moskva] Gosstroizdat.

Pt. 1. [Plastics; polymer finishing materials and articles] Plastmassy i polimernye odelochnye materialy i izdelia, 1962. 119 p.

Moskovskii dom nauchno-tekhnicheskoi propagandy Imeni F. E. Dzerzhinskogo. [Correspondence seminar on the "Use of plastics in the machinery industry"] Zaochnyi seminar "Primenenie plasticheskikh mass v mashinostroeni." Moskva.

No. 4. [Some new types of plastics] Nekotorye novye vidy plastmass, 1961. 111 p.

[MICROFILM]

Murzina, I. K. [Metal substitutes for repairing equipment] Zamena metallov pri remonte oborudovaniia, Moskva, Mashizh, 1963. 73 p.

Plant unit for the continuous production of plastic foam tiles. B. A. Golubev, Iu. D. Shleifer, Khim. mashinost. no. 2: 40-41 Mr-Apr '63.

Plastic sanitary engineering products. R. Babushkina, Na stroi. Ros. 4 no. 4: 24 Ap '63.

Polymers based on the condensation products of furfural with acetone. Plastic materials based on difurfurylideneacetone. I. V. Kamenaki and others, Plast. massy no. 3: 17-19 '63.

Properties of the KR-9 high frequency molding composition. V. I. Nikolenko and others, Plast. massy no. 4: 25-26 '63.

Technological process for the manufacture of plastic bodies for machine-tool mechanisms. V. N. Lymzin, Plast. massy no. 4: 40-43 '63.

Technology abroad. Na stroi. Ros. 4 no. 4: 20 Ap '63.

Ukhinov, V. A., and V. G. Samsonov. [Plastics as material to be used in the manufacture of machinery] Plastmassy—material dlia mashinostroeniia, [Donetsk] Donetskoe knizhnoe izd-vo, 1962. 41 p. (V pomoshch' slushateliam universiteta tekhnicheskogo progressa mashinostroitel') [MICROFILM]

Use of plastics in irrigation and water supply for agriculture. V. N. Gorinskii, Plast. massy no. 3: 71-74 '63.

"Use of plastics in the machinery industry" by A. L. Iut. Reviewed by P. S. Pautynskii, Mashinostroitel' no. 3: 47 Mr '63.

Using plastics in the rolling stock and in the electric power supply of public transportation. L. V. Gurevich and others, Sbor. nauch. rab. AKKH no. 13: 192-202 '62.

Using vinyl plastics in the soda industry. V. I. Shishko, G. F. Svinin, Khim. mashinost. no. 2: 39 Mr-Apr '63.

PLASTICS—EXHIBITIONS

Exhibition of Achievements of the National Economy of the U.S.S.R. Plastic materials used in machinery manufacture. G. O. Tatevosian, Plast. massy no. 3: 75-76 '63.

PLASTICS—MOLDING

Calculating the force necessary for closing the molds of molding machines. E. L. Kolincev, A. N. Levin, Khim. mashinost. no. 2: 8-10 Mr-Apr '63.

Effect of pressure on the strength characteristics of standard specimens of phenolic molding powders. L. I. TSipov, A. D. Sokolov, Iu. N. Mel'nikov, Plast. massy no. 3: 65-68 '63.

Hydraulic press for capron casting. L. K. Ruskikh, V. M. Taranov, Sudostroenie 29 no. 3: 56 Mr '63.

Mechanized vacuum-forming technology for the manufacture of articles from sheet thermoplastics. K. N. Strel'tsov, Plast. massy no. 4: 27-30 '63.

Method for a centrifugal molding of articles from the AST-T plastic material. A. A. Shurman, L. M. Troianovskii, Plast. massy no. 3: 59-61 '63.

Parts made of vinyl plastics by stamping. G. Matskevich, V. Kuznetsov, Na stroi. Ros. 4 no. 4: 10 Ap '63.

Point molds which can be detached from the gate for casting polystyrene tiles. B. M. Gerashkovich, I. A. Gelfman, Stroi. mat. 9 no. 3: 27-28 Mr '63.

PLASTICS—TESTING

Effect of initial stresses on the impact strength of certain plastics. V. Prosvirin, J. Ozolina, Izv. AN Latv. SSR no. 2: 37-40 '63.

Standard for the method of testing plastics for weather resistance, thermal stability, and lightfastness. I. B. Kuznetsova, G. O. Tatevosian, Plast. massy no. 3: 54-59 '63.

PLASTICS IN MEDICINE

Preparing a splint of quick-setting plastic for the stabilization of the frontal teeth in parodontosis. K. F. Lepikhin, Stomatologiya 41 no. 5: 80-82 S-O '62.

Revzin, I. I. [Use of plastics in medicine] Primenenie plastmass v meditsine, Moskva, Ob-vo po rasprostraneniia polii, i nauchn. znaniia RSFSR, 1962. 27 p.

[DNL MICROFILM]

Therapeutic splints of quick-setting plastic for the fixation of loose teeth in parodontosis. M. A. Napadov, L. I. Chernyi, Stomatologiya 41 no. 5: 79-80 S-O '62.

Use of elastic plastic in the construction of postoperative prostheses. V. I. Sokolova, S. G. Gadon, Stomatologiya 41 no. 5: 82-85 S-O '62.

Use of quick-setting plastics in orthodontia. A. I. Pantukhin, Stomatologiya 41 no. 5: 77-78 S-O '62.

PLASTICS INDUSTRY

More consideration to be given to the chemical-analytical control of the production of plastics. A. P. Kreshkov, Plast. massy no. 4: 1-3 '63.

PLASTICS INDUSTRY—EQUIPMENT AND SUPPLIES

Mechanized vacuum-forming technology for the manufacture of articles from sheet thermoplastics. K. N. Strel'tsov, Plast. massy no. 4: 27-30 '63.

PLASTICS INDUSTRY—FINANCE

Certain problems involved in the calculation of specific capital investments in the plastics industry. V. M. Ioffe, Plast. massy no. 4: 55-57 '63.

PLASTOV, ARKADII ALEKSANDROVICH, 1912-

Arkadii Plastov; on the artist's technique. V. Z. Kostko, Iskusstvo 26 no. 2: 11-20 '63.

PLATE TOWERS

Static characteristics of plate towers. V. N. Krivonoz, I. V. Anisimov, Khim. mashinost. 219-227 Mr '63.

PLATES, IRON AND STEEL see Steel, Iron and Steel Plates

PLATINUM

Mass spectrometry study of neopentyl alcohol during the bombardment of platinum. V. N. Krivonoz, I. V. Anisimov, Khim. mashinost. 219-227 Mr '63.

PLATINUM ALLOYS—THERMAL PROPERTIES

Experimental determination of the thermal properties of platinum-rhodium alloys. V. N. Krivonoz, I. V. Anisimov, Khim. mashinost. 219-227 Mr '63.

PLATINUM COMPOUNDS

Complex compounds of bivalent platinum. L. M. Volshtein, M. F. Mogilevskaya, Khim. mashinost. 8 no. 3: 597-603 Mr '63.

Reaction kinetics of platinum nitrate with ammonia and pyridine. O. E. Zaitsev, Zhur. neorg. khim. 8 no. 1: 101-102 '63.

PLATINUM ELECTRODES see Electrodes, Platinum

PLATONOVA, IULIA FEDOROVNA, 1911-

Pages from Iu. F. Platonova's autobiography. Sov. muz. 27 no. 2: 53-56 P '63.

PLATOV, MATVEI IVANOVICH, 1791-1811

Last letter of the "tornado" ataman. Sov. muz. 39 no. 16: 19 Ag '62.

PLAY

Aesthetic training in play. G. Shalun, Na stroi. Ros. 36 no. 3: 24-28 Mr '63.

Appearance of thematic play among children. R. Zhukovskaya, Detsk. vzr. 18 F '63.

How we teach play to one to three-year-olds. N. Vasil'eva, Doshk. vosp. 36 no. 2: 10-11 '63.

Mental development of a child in the process of play. N. Pantina, Doshk. vosp. 36 no. 2: 11-12 '63.

Mobile play with 2- and 3-year-olds. N. Vasil'eva, Doshk. vykh. 24 no. 3: 21-22 Mr '63.

Our children play. I. A. Basharova, Detsk. vzr. 18 no. 3: 50-57 Mr '63.

Pedagogical guidance of games. D. I. Zaitsev, Doshk. vosp. 36 no. 2: 24-26 P '63.

Play in the snow. M. Kulzhinskii, Detsk. vzr. 18 no. 79-81 Ja-F '63.

What can be made out of snow. M. I. Zaitsev, Detsk. vzr. 18 no. 31 no. 2: 61-65 P '63.

PLAY CENTERS see Community Centers

PLAYGROUNDS

Planning and equipping a playground. V. Vasil'eva, Doshk. vosp. 30 no. 3: 10-13 Apr '62.

PLETHYSMOGRAPHY

Changes in neurovascular regulation under the action of small doses of alcohol in persons suffering from chronic alcoholism. V. P. Kotov, Zhur. neorg. khim. 8 no. 1: 123-130 '62.

PLEURODYNIA, EPIDEMIC

Clinical epidemiological observations on epidemic pleurodynia (Bornholm disease) epidemic pleurodynia. G. G. Stuka, Z. M. Zaslavskaya, I. I. Melnikova, Stomatologiya 41 [i.e. 42] no. 2: 49-52 P '63.

PLOVDIV, BULGARIA—WAR MEMORIALS

Alesha, Albert Plin, Smerni 30 no. 1: 15-16 '63.

PLUMBING—STANDARDS

"Water supply and sewerage; hot water supply; heating appliances; equipment, accessories and materials." Biul. stroi. tekhn. 20 no. 4: 6-7 Ap '63.

PLYWOOD—DRYING

The SRG-25 and SRG-50 gas roller dryer. P. M. Shurman, In. Der. prom. 12 no. 2: 11-13 F '63.

PLYWOOD INDUSTRY

Smirnov, A. V. [Prospects for the development of veneer and match industries during the years 1959 to 1965] Perspektivy razvitiia venernoi i spichchnoi promyshlennosti v 1959-1965 gg. Moskva, Goslesbumizdat, 1960. 31 p.

PLYWOOD INDUSTRY—CONCRESSION

Conference of workers of the plywood industry. Der. prom. 12 no. 2: 30 F '63.

PNEUMATIC CONTROL

Experimental investigation of crank press pneumatic systems with interlocking of clutch and brake. Zhur. neorg. khim. 8 no. 3: 24-28 '63.

PNEUMATIC CONTROL (Continued)

Pneumatic jet and moving ball techniques abroad [with summary in English]. G. T. Berzovets, I. V. Tatarko. Avtom. i telom. 24 no. 3:414-424 Mr '63.
Pneumatic noncontact instrument for automatic control during machining. E. I. Ped' A. V. Fedotov. Izv. vuzov, no. 8:16-17 Ag '62.

Zenchenko, V. P., and G. V. Kreinln. [Air controls automatic machines; pneumatic control systems for machinery] Vozdukh upravlyaet avtomatami; pnevmaticheskie sistemy mashin-avtomatov. Moskva, Izd-vo Akad. nauk SSSR, 1963, 108 p. (Akademiya nauk SSSR. Nauchno-populjarnaja seriya)

PNEUMATIC CONVEYING

Analysis of the work of the grain cleaning section of a flour mill equipped with pneumatic conveying. B. Mak-simchuk. Muk. -elev. prom., 29 no. 1:14-17 Ja '63.
Automated systems of pneumatic transportation. P. S. Bondarenko, I. M. Palllov. Khim. prom. no. 3:228-231 Mr '63.

Improving pneumatic conveying of chips in the production of fibrolite. M. S. Mokrushin. Dor. prom. 12 no. 2; 27-28 F '63.

Operating indices of equipment for the pneumatic transportation of cement. V. I. Petruk. T'Sement 29 no. 2; 16-17 Mr-Apr '63.

Pneumatic feed of the concrete mix at plants producing precast reinforced concrete. V. V. Dikunar. Bet. i zhel.-bet. 9 no. 3:128-130 Mr '63.

Pneumatic unit for waste transportation. S. Fainberg. Muk. -elev. prom. 29 no. 1:27 Ja '63.

PNEUMATIC-TUBE TRANSPORTATION

Criterional equation for calculating the hydraulic resistance of pneumatic transportation pipelines. M. E. Dogin. Trudy MIIT no. 139:66-72 '61.

PNEUMOGASTRIC NERVE see Vagus nerve

PNEUMONIA

Characteristics of the pathogenesis of pneumonia in newborn infants. I. U. F. Dombrovskaja. Pediatr. 41 [1, 2] no. 2:10-12 F '63.

Clinical X-ray characteristics of pneumonia in elderly and senile patients. A. P. Burkalov. Trudy Kish. gos. med. inst. 12:115-110 '60.

Electrocardiographic examinations in postinfluenzal pneumonia [with summary in English]. V. M. Pletnev. Vrach. delo no. 3:94-97 Mr '63.

Results of dispensary treatment for children who have recovered from acute pneumonia. P. D. Tambovtsev. Zdrav. Ros. Feder. 7 no. 2:18-20 F '63.

Staphylococcal and toxico-allergic pneumonia in pulmonary tuberculosis [with summary in English]. N. A. Shmelev, I. R. Dorozhkova, A. I. Dobychina. Vrach. delo no. 3:3-8 Mr '63.

PNEUMOTHORAX

Morphological changes in a collapsed lung in patients with pulmonary tuberculosis treated by means of an artificial pneumothorax; according to data of a radiographic study [with summary in English]. K. A. Khar-cheva. Vrach. delo no. 3:16-21 Mr '63.

PODKAMENNAYA TUNGUSKA VALLEY—METEORITES

On the tracks of a space visitor (to be concluded). A. Zolotov. Smena 39 no. 18:20-21 S '62.

On the tracks of a space visitor (to be continued). A. Zolotov. Smena 39 no. 17:26-27 S '62.

Some results of the study of the problems of the Tunguska meteorite. G. F. Plakhanov and others. Geol. i geofiz. no. 1:111-123 '63.

PODOLIA—CAVES

Caves in Podolia, their fauna and its protection. K. A. Tamarinov. Okhr. priro. i zapov. delo v SSSR no. 7: 88-101 '62.

PODOLIA—TOMATOES

Usyk, H. E., [Biological principles underlying the cultivation practices for tomatoes in Podolia] Biologichni osnovy agrotekhniki pomidoriv na Podolli. Kyiv, Derzhav. hosprydar URSS, 1962, 103 p. (ONAL)

PODOLIA—UNDERGROUND LITERATURE

Distribution of V. I. Lenin's works in Podolia, 1905-1907. P. O. Novikov. Ukr. ist. zhur. 6 no. 2:110-112 Mr-Apr '63.

PODZOL

Seasonal dynamics of the oxidation-reduction potential and iron soluble in acids (Fe^{3+} and Fe^{2+}) in turf-Podzolic soils. N. G. Zyrin, N. M. Grindol'. Nauch. dokl. vuz. shkoly: biol. nauki no. 2:175-181 '63.

POISONS

Fish toxins and their future use in undetectable fish control. E. V. Burmakina. Izv. GosNIORKH 47 no. 2:3-26 '63.

POKRYSHKIN, ALEXANDER, 1913-

One "Mig" from a thousand: a documentary tale (to be continued). Iurii Zhukov. Znaniia 33 no. 2:117-131 F '63.

POLAND—AGRICULTURE, COOPERATIVE

Legal status of agricultural cooperatives in Poland. I. Sereda, M. Nudel'. Rad. pravo no. 3:130-132 My-Je '62.

POLAND—BIBLIOGRAPHY

[New literature on Poland] Nov. lit. po Pol'. no. 2 '63.

POLAND—BIOLOGY—STUDY AND TEACHING

New biology program in Polish general schools. J. Doboszynska. Biol. v shkole no. 2:81-82 Mr-Apr '63.

POLAND—BOUNDARIES—GERMANY

A transformed country. Jan Zydzoreczyk. Mezhdunar. zhizn' 10 no. 5:50-50 My '63.

POLAND—CANNING INDUSTRY

In the canning plants and Institute of the Fermentation Industry of the Polish People's Republic. A. F. Namestnikov. Kons. i ov. prom. 18 no. 5:34-38 My '63.

POLAND—COMMERCE—RUSSIA

Development of trade in the interest of both countries (Russia and Poland). Vnesh. torg. 43 no. 4:14-16 '63.

POLAND—COMMERCE—WHITE RUSSIA

History of commercial relations between White Russian and Polish cities, from the late 16th to the first half of the 17th century. Z. I. U. Kopyaskii. Ist. zap. no. 72; 140-183 '62.

POLAND—COMMUNIST PARTY

"History of the Polish labor movement; on the 20th anniversary of the Polish Workers' Party, 1942-1962." Reviewed by P. M. Kalenichenko. Vop. ist. 38 no. 4; 137-139 Ap '63.

POLAND—ECONOMIC CONDITIONS

A transformed country. Jan Zydzoreczyk. Mezhdunar. zhizn' 10 no. 5:50-50 My '63.

POLAND—HISTORY

"History of the Polish labor movement; on the 20th anniversary of the Polish Workers' Party, 1942-1962." Reviewed by P. M. Kalenichenko. Vop. ist. 38 no. 4:137-139 Ap '63.

POLAND—HISTORY—BIBLIOGRAPHY

"Bibliography of Polish history" [in Polish]. Reviewed by G. P. Podchepko. Vop. ist. 38 no. 4:166-168 Ap '63.

POLAND—KNIT GOODS INDUSTRY

Machine-knit fishing nets. K. Natkalski. Tekst. prom. 23 no. 4:60-63 Ap '63.

POLAND—MARITIME LAW

The Polish maritime code of 1961. Inform. sbor. TSNIIMF no. 76. Mor. pravo i prak. no. 17:58-59 '62.

POLAND—MINE FILLING

Mining ore blocks with concrete filler (from "Rudy, Metale Niezelazne," nos. 6 and 9, 1961). V. M. Kol'tsov, E. A. Leonov. Gor. zhur. no. 3:66-68 Mr '63.

POLAND—MUSIC

Critics and advocates of the Polish "avant-garde." I. Nest'ev. Sov. muz. 27 no. 4:116-124 Ap '63.

POLAND—RELATIONS (GENERAL) WITH THE UKRAINE

"Cooperation between the Ukrainian S.S.R. and the Polish People's Republic" by I. F. Evseev. Reviewed by P. Kostenko. Ukraina no. 4:8 F '63.

In Lublin University. Rad. pravo no. 1:152 [Ja-F] '58.

POLAND—REVOLUTION, 1863-1864

Centenary of the Revolution of 1863. A. M. Orekhov. Vop. ist. 38 no. 4:167-168 Ap '63.

POLAND—SYMPHONY ORCHESTRAS

Orchestra of the Polish Radio. G. Iudin. Sov. muz. 27 no. 4:90-97 Ap '63.

POLAND—TEXTILE INDUSTRY

Textile industry and manufacture of textile machinery in the Polish People's Republic. I. V. Kornev, P. I. Aristov. Tekst. prom. 23 no. 4:14-15 Ap '63.

POLAND—TEXTILE MACHINERY

Textile industry and manufacture of textile machinery in the Polish People's Republic. I. V. Kornev, P. I. Aristov. Tekst. prom. 23 no. 4:14-15 Ap '63.

POLAND—THEATER

National fate... B. Rosztokski. Teatr 24 no. 4:165-168 Ap '63.

Theater of a holiday. A. Maiskin. Teatr 24 no. 4:161-165 Ap '63.

POLAND—VOCATIONAL GUIDANCE

Vocational guidance in the Polish People's Republic. J. A. Slezwinska. Shkola i prosv. 7 no. 4:84-88 Ap '63.

POLARIS (MISSILE)

U.S. A. capitalists are counting on the "Polaris." V. P. Rogov. Mor. sbor. 48 no. 5:77-85 My '63.

POLARIZATION (ELECTRICITY)

Efficiency of porous electrodes under diffusion conditions of reagent supply [with summary in English]. I. G. Gurevich, V. S. Bagotskii. Inzh. -fiz. zhur. 6 no. 3:88-80 Mr '63.

Nonlinearity of dielectric polarization and ferroelectric properties of metals. S. V. Bogdanov. Fiz. tver. tela 5 no. 3:807-810 Mr '63.

Polarity and the interaction of domain boundaries. M. K. Savchenko, V. I. Sinigubov. Fiz. met. i metalloved. 15 no. 3:339-342 Mr '63.

Theory of domainless, nonuniform, spontaneous polarization of ferroelectric plates near the Curie point. L. P. Kholodenko. Fiz. tver. tela 5 no. 3:897-908 Mr '63.

Theory of polarization and hysteresis of ferroelectric substances. A. V. Turik. Fiz. tver. tela 5 no. 4:1213-1215 Ap '63.

POLARIZATION (LIGHT)

Interference polarizers for the ultraviolet spectral region. R. S. Sokolova, T. N. Krylova. Opt. i spekt. 14 no. 3:401-408 Mr '63.

Polarization of light from the sky during twilight [with summary in English]. T. G. Megrolishvili. Blul. Abast. astrofiz. obser. no. 29:93-102 '62.

POLARIZATION (NUCLEAR PHYSICS)

Dynamic polarization of nuclei by the saturation of non-uniformly broadened lines of electron paramagnetic resonance. A. V. Kessenikh, A. A. Manenkov. Fiz. tver. tela 5 no. 4:1143-1148 Ap '63.

Neutron polarization in the $D(d, n)He^3$ reaction [with summary in English]. I. S. Trostin, V. A. Smol'tsev. Zhur. eksp. i teor. fiz. 44 no. 4:1160-1161 Ap '63.

POLAROGRAPHY

Conjugation factors in cyclic systems. Report No. 6: Use of polarographic and potentiometric methods for studying electron interchange effects in cyclohexadiene-1,2-dicarboxylic acids and their methyl esters. S. O. Mairanovskii and others. Izv. AN SSSR. Otd. khim. nauk no. 2:240-245 F '63.

Determining phosphoric acid in soil by the polarographic method with the use of a complexon. E. M. Skobets, P. I. Smolensky, G. V. Ruchko. Nauch. dokl. vuz. shkoly: biol. nauki no. 2:182-183 '63.

Nature of polarographic waves of certain polyvalent ions [with summary in English]. E. F. Speranskaya. Zhur. anal. khim. 18 no. 1:9-12 Ja '63.

Polarographic hydrogen catalytic currents in solutions of complex compounds of some metals [with summary in English]. G. L. Elizarova. Zhur. anal. khim. 18 no. 1:4-8 Ja '63.

Polarographic study of acrylamide. Part 3: Electrochemical initiation of polymerization. E. M. Skobets, G. S. Nestluk. Ukr. khim. zhur. 29 no. 3:302-305 '63.

Polarographic study of p-nitrodiphenyl [with summary in English]. V. G. Bezuglyi, V. N. Dmitrieva, E. A. Freobrazhenskaya. Zhur. anal. khim. 18 no. 1:126-130 Ja '63.

Polarographic wave and catalytic activity of chymotrypsin in the presence of a substrate, inhibitor, and DNA in the process of irradiation with ultraviolet light [with summary in English]. I. D. Ivanov, E. E. Rakhleeva, V. G. Krylova. Ukr. biokhim. zhur. 34 no. 6; 853-862 '62.

Polarography of oxalate complexes of chromium (III). A. V. Pamirov, A. I. Lopushanskaya, T. S. Zueva. Ukr. khim. zhur. 29 no. 3:292-302 '63.

Polarography of trypsin in the presence of a substratum and an inhibitor during irradiation with ultraviolet light [with summary in English]. I. D. Ivanov, E. E. Rakhleeva, V. G. Krylova. Ukr. biokhim. zhur. 34 no. 6:678-687 '62.

Reversibility of the polarographic catalytic waves of hydrogen in pyridine solutions. G. A. Todoradze, S. G. Mairanovskii. Izv. AN SSSR. Otd. khim. nauk no. 3:577 Mr '63.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 8: Polarographic study of phenyl hydrazones tautomerism. I. U. P. Kitaev, T. V. Troepol'skaya. Izv. AN SSSR. Otd. khim. nauk no. 3:454-465 Mr '63.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 8: Polarographic behavior of phenyl hydrazones. I. U. P. Kitaev, T. V. Troepol'skaya. Izv. AN SSSR. Otd. khim. nauk no. 3:465-473 Mr '63.

POLES see subdivision under Balkan Lake region

POLESYE—BIRCH—DISEASES AND PESTS

Materials on the mycoflora of the European birch Betula verrucosa Ehrh. from the forests of western Polesye of the Ukrainian S.S.R. V. M. Solomakhina. Vsiyuk Kyiv. un. no. 2. Ser. biol. no. 1:17-21 '59.

POLESYE—FUNGI, PHYTOPATHOGENIC

Materials on the mycoflora of oak in the forests of western Polesye of the Ukrainian S.S.R. V. M. Solomakhina. Vsiyuk Kyiv. un. no. 1. Ser. biol. no. 2: 13-17 '58.

POLESYE—OAK—DISEASES AND PESTS

Materials on the mycoflora of oak in the forests of western Polesye of the Ukrainian S.S.R. V. M. Solomakhina. Vsiyuk Kyiv. un. no. 1. Ser. biol. no. 2: 13-17 '58.

- POLESYE—SAND DUNES**
Origin of the hilly dune relief of the Pripot Polesye. V. K. Lukashov. Vestsi AN BSSR, Ser. fiz.-tekhn. nav. no. 1:76-86 '63.
- POLESYE—SOIL PERCOLATION**
Percolation stability of unburdened sandy soils of the White Russian Polesye. I. U. F. Burys. Vestsi AN BSSR, Ser. fiz.-tekhn. nav. no. 1:96-102 '63.
- POLETAEV, FEDOR ANDRIANOVICH**
Decorations of a legendary partisan. Sov. voen. 45 no. 3:29 F '63.
- POLICE**
The police are the workers' shield. P. Mallavin. Mol. komm. no. 11:105-106 N '62.
- POLICEWOMEN** see subdivision under Gorky
- POLIOMYELITIS**
Histochemical study of total protein in the elements of the central nervous system of healthy monkeys and in experimental poliomyelitis [with summary in English]. A. M. Amchenkov. Vop. virus. 7 no. 6:675-680 N-D '62.
- Medical gymnastics and massage in the treatment of poliomyelitis. N. A. Shkaduk. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:76-77 '63.
- Stimulation in comprehensive treatment of poliomyelitis consequences [with summary in English]. L. M. Smirnova. Vrach. delo no. 3:66-69 Mr '63.
- POLIOMYELITIS—VACCINATION**
(see also subdivision under Baku)
Some data on the epidemiological effectiveness of anti-poliomyelitis vaccinations. R. G. Mardar, A. I. Shmygina, S. S. Sorokina. Vop. virus. 7 no. 6:740 N-D '62.
- POLIOMYELITIS VIRUSES**
Inhibitive capacity of children's saliva with respect to the poliomyelitis virus. M. S. Ivanova. Vop. virus. 7 no. 6:740 N-D '62.
- POLISH MUSICIANS** see Musicians, Polish
- POLITICAL CRIMES AND OFFENSES** see subdivision under Algeria; Iran; Mexico
- POLITICAL PRISONERS** see subdivision under Greece; Rumania; Spain
- POLITICAL PRISONERS, SPANISH**
Voice of Spanish political prisoners. Marcos Ana. Vsem. prof. dvizh. no. 4:3-8 Ap '63.
- POLITICAL SCIENCE—STUDY AND TEACHING**
Ideological conviction. V. Sundukov. Agitator no. 14: 47-50 JI '62.
- Moscow. Akademiya obshchestvennykh nauk. [Program for studying the international position and foreign policy of the U.S.S.R., practice in the building of socialism in the countries of people's democracy, and for studying the world communist, workers', democratic, and national liberation movements for groups, seminars, and individual plan students] Programma po izucheniu mezhdunarodnogo polozheniya i vneshnei politiki SSSR, opyt sotsialisticheskogo stroitel'stva v stranakh narodnoi demokrati, mirovogo kommunisticheskogo, rabochego, demokraticheskogo i natsional'no-osvoboditel'nogo dvizheniya dlia kruzhkov, seminarov i zanimaniy shkol'skikh po individual'nym planam. Moskva, Gospolitizdat, 1962. 29 p.
- Moscow. Zaochnaya vysshaya partiiatsia shkola. [Methodological instructions for the course "Fundamentals of Soviet law and the development of the Soviet state"] Metodicheskie ukazaniya k izucheniu kursa "Osnovy sovetskogo prava i sovetskoe stroitel'stvo" dlia slushatelei ZVPSH pri TsK KPSS. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1962. 50 p.
- Problems of state and law in the history of the U.S.S.R. course for the eighth grade. D. S. Karev. Prep. ist. v shkole 18 no. 2:84-102 Mr-Apr '63.
- POLITICS AND GOVERNMENT—BIBLIOGRAPHY** see Bibliography—Politics and government
- POLKANOV, ALEKSANDR ALEKSEEVICH, 1888-1963**
Aleksandr Alekseevich Polkanov; obituary. Geol. zhur. 23 no. 1:102-103 '63.
- POLOTSK—PETROLEUM INDUSTRY**
A giant industrial enterprise on the Dvina. V. Nikhalau. Rab. i slal. 39 no. 3:8-9 Mr '63.
- POLTAVA—PROBATION**
Supervision of probationers placed in the custody of workers. V. Moroz. Rad. pravo no. 2:38-40 Mr-Apr '63.
- POLTAVA GOVERNMENT—AGRICULTURE**
Estate of a big landowner in the early 20th century. A. M. Anfimov. Ist. zap. no. 71:43-73 '62.
- POLTAVA PROVINCE—COMMUNIST EDUCATION**
Moral code is at the center of attention. E. Ryzhilo. Shkola-int. no. 1:29-32 Ja-F '63.
- POLTAVA PROVINCE—GUIDEBOOKS**
"Poltava Province: a guide book." Reviewed by B. S. Vatulia. Ukr. ist. zhur. 6 no. 2:146-149 Mr-Apr '63.
- POLTAVA PROVINCE—MORAL EDUCATION**
Moral code is at the center of attention. E. Ryzhilo. Shkola-int. no. 1:29-32 Ja-F '63.
- POLTAVA PROVINCE—ORPHANS AND ORPHANAGES**
A hamlet not far from the village of Dikan'ka. I. Rozum. Ukraina no. 5:25 Mr '63.
- POLTAVA PROVINCE—PLANT LICE**
Aphid on sugar beets in Poltava Province. N. I. Pavliuk. Zashch. rast. ot vred. i bol. 6 no. 11:55 N '61.
- POLTAVA PROVINCE—PLANTS, PROTECTION OF**
Unutilized possibilities. V. S. Zashch. rast. ot vred. i bol. 6 no. 11:6-7 N '61.
- POLTAVA PROVINCE—SOVIETS**
The Soviets of Poltava Province are at the forefront of the struggle for the seven-year plan. O. Muzhyts'kyi. Rad. pravo no. 3:13-16 My-Je '62.
- POLTAVA PROVINCE—SUGAR BEETS—DISEASES AND PESTS**
Aphid on sugar beets in Poltava Province. N. I. Pavliuk. Zashch. rast. ot vred. i bol. 6 no. 11:55 N '61.
- POLUKHIN, LEONID KOSTIANTYNOVICH, 1914-1963**
L. K. Polukhin; obituary. Ukr. ist. zhur. 6 no. 2:167 Mr-Apr '63.
- POLYAMIDES**
Decrease of the water absorption of caprom parts. O. A. Gunder, A. N. Lysykh. Plast. massy no. 4:70-72 '63.
- Some properties of aromatic and aryl aliphatic polyamides prepared by interfacial condensation [with summary in English]. Part 4. O. I. A. Fedotova, I. P. Losev, N. M. Kozreva. Vysokom. soed. 5 no. 3:363-367 Mr '63.
- Thermal oxidative degradation and stabilization of some polyamides. I. I. Levantovskaya and others. Plast. massy no. 3:19-23 '63.
- Use of polyamides in sizing. P. A. Beliaev. Tekst. prom. no. 2:56 F '63.
- POLYAMIDES—ABSORPTION SPECTRA**
Spectrophotometric investigation of colored polycaprolactams [with summary in English]. A. N. Bykov, T. M. Kirilova, N. P. Lits. Vysokom. soed. 5 no. 3:428-431 Mr '63.
- POLYCHAETA**
(see also subdivision under South China Sea)
"Swarming" of polychaetes. V. P. Zakutskii. Priroda 52 no. 3:38 '63.
- POLYETHYLENE**
Interaction of chlorinated polyethylene with amines and ammonia [with summary in English]. S. A. Adylov and others. Vysokom. soed. 5 no. 3:316-320 Mr '63.
- Mechanical properties of pipes made of low pressure polyethylene with fillers. I. N. Miroslavov, M. G. Sukharev. Plast. massy no. 3:62-65 '63.
- Polyethylene, the first among its peers. M. Haralov. Nauka i zhytlya 12 no. 2:3-5 F '63.
- Preparation of a solvent for use in polyethylene production. G. I. Kaz'min, L. A. Baburskii, A. B. Odintsov. Khim. i tekhn. topl. i masel. 8 no. 3:19-22 Mr '63.
- Rapid construction of a polyethylene complex. I. U. Fani-ko. Na stroit. Ros. 4 no. 4:2-4 Ap '63.
- Stabilizing effect of alkyl- and arylalkyl phenols. N. P. Lazareva, N. A. Chobolanova, G. S. Popova. Plast. massy no. 4:44-48 '63.
- POLYETHYLENE—ELECTRIC PROPERTIES**
Method for preventing the accumulation of an electric charge in polyethylene films during their formation. A. V. Fadeeva and others. Plast. massy no. 3:27-30 '63.
- POLYETHYLENE—TESTING**
Chemical stability of polyethylene under stress. N. A. Bokshitskaya. Khim. mashinost. no. 2:28-31 Mr-Apr '63.
- POLYHEDRA**
Optimal values and points of a certain nonlinear function. I. A. Bakhtin. Dokl. AN SSSR 148 no. 4:741-744 F '63.
- Regular polyhedra [with summary in English]. V. A. Zalgaller. Vest. LGU 18 no. 7:5-8 '63.
- POLYMERIZATION**
Application of the ionic polymerization method for hardening of epoxide resins. Miloslav Lidaik. Plast. massy no. 3:11-17 '63.
- Copolymerization of 2-methyl-5-vinylpyridine with triethylene glycol dimethacrylate [with summary in English]. A. B. Davankov, L. B. Zubakova. Vysokom. soed. 5 no. 3:309-315 Mr '63.
- Copolymers of unsaturated glycidol esters. Copolymerization of glycidyl methacrylate with methyl methacrylate in solvents. M. F. Sorokin and others. Plast. massy no. 3:3-7 '63.
- Investigating the film formation by some polyester acrylates. G. V. Korolev, M. M. Mogilevich. Lakokras. mat. i ikh prim. no. 2:12-16 '63.
- Kinetics of the benzoyl peroxide-initiated polymerization of phenylacetylene [with summary in English]. I. M. Barkalov and others. Vysokom. soed. 5 no. 3:372 Mr '63.
- Kinetics of the copolymerization of acrylonitrile and vinylacetylene [with summary in English]. I. M. Barkalov, A. D. Abkin, V. S. Klimenkov. Vysokom. soed. 5 no. 3:385-392 Mr '63.
- Photopolymerization of acrylonitrile in a homogeneous medium [with summary in English]. K. S. Shandru. D. Feldman, F. Shandru. Vysokom. soed. 5 no. 3:466 Mr '63.
- Polarographic study of acrylamide. Part 2. Chemical initiation of polymerization. E. A. Nestuk, G. S. Nestuk. Ukr. khim. zhur. 29 no. 3:312 '63.
- Polymerization of monoallyl derivatives of aluminum. The catalytic system (i-C₄H₉)₃Al—TiCl₄. I. M. Otd. khim. nauk no. 2:269-274 F '63.
- Telomerization of dimethylcyclosiloxanes. Report No. 3: Reactions with trifunctional compounds. Andrianov, V. V. Severnyi, B. A. Izmailov. Izv. AN SSSR, Otd. khim. nauk no. 2:282-290 F '63.
- Polymerization of pyridine. V. P. Kovaleva. Izv. AN SSSR, Otd. khim. nauk no. 2:282-290 F '63.
- Polymerization of styrene, vinyl acetate, and methacrylate in the presence of aluminum alkyl compounds. I. U. N. Polishchuk, T. P. Kornienko, Z. Vysotskii. Ukr. khim. zhur. 29 no. 3:335-340 '63.
- Radiation-induced polymerization of acetylene. [with summary in English]. I. M. Barkalov and others. Vysokom. soed. 5 no. 3:373-377 Mr '63.
- Secondary reactions during free radical polymerization. L. M. Pyrkov, S. I. A. Frenkel'. Usp. khim. 32 no. 3:305-335 Mr '63.
- Study of the thermal stability of peresters as a comparison of this stability with their initiation during polymerization. G. A. Nosaev, R. N. Shteyn. Plast. massy no. 3:7-11 '63.
- Synthesis of polymers with inorganic chains of silicon. Polyorganosiloxophosphoroxanes. K. A. A. A. Kozakova. Plast. massy no. 3:24-26 '63.
- Synthesis, polymerization, and copolymerization of polyorganosiloxanes containing methacrylate groups. Part 1 [with summary in English]. M. A. B. Spasskii, S. G. Mikhina. Vysokom. soed. 5 no. 3:347 Mr '63.
- POLYMERIZATION—STUDY AND TEACHING**
Studying polyamides in school. G. T. Zamula. Shkola 10 no. 1:41-52 Ja-F '63.
- POLYMERS**
(see also subdivision under Fergana)
[The chemistry and technology of polymers; translation from foreign periodical literature] Khim. i tekhn. polim. abor. perev. iz inostr. period. lit. 7 nos. 1-7 '63.
- Effect of low molecular weight substances on the supermolecular structures on the mechanical properties of rigid-chain polymers. P. V. Kozlov, V. G. Tsova, V. A. Kargin. Dokl. AN SSSR 148 no. 4:103 F '63.
- For a more effective use of polymeric materials in the national economy. Plast. massy no. 3:1-2 '63.
- Lacquer and paint coatings withstanding very low temperatures. P. M. Bogatyrev, V. V. Zherdev, N. S. Loseva. Lakokras. mat. i ikh prim. no. 2:2-3 '63.
- "Materials and products made of polymers." Ed. strol. tekhn. 20 no. 3:12-14 Mr '63.
- Polymer with tetraacetylenic links in the molecule. M. S. Shvartsberg, I. L. Kotliarskii, V. N. Andrianov. Izv. AN SSSR, Otd. khim. nauk no. 3:575-578 Mr '63.
- Polymeric materials in the repairing practice. L. I. man, Tokh. v sel'khoz. 23 no. 1:70-73 Ja '63.
- Polymers with the system of conjugated bonds and heteroatoms in the conjugation chain. Part 26: Polymers of ferrocenes [with summary in English]. A. A. B. Iln, B. I. Ljogon'ki, V. P. Parini. Vysokom. soed. 5 no. 3:330-337 Mr '63.
- Preparation of graft copolymers. Part 13 [with summary in English]. V. V. Korshak and others. Vysokom. soed. 5 no. 3:338-342 Mr '63.
- Properties of solutions as dependent on the structure of polymers. Report No. 4: Solutions of polyphosphoroxanes, I. I. Tverdokhlebova, S. A. Pavlov, S. R. Rafikov. Izv. AN SSSR, Otd. khim. nauk no. 3:488-493 Mr '63.
- Shapkin, K. D. [Preparation, properties, and uses of polymers] Poluchenie, svoystva i primeneniye polimerov; uchebnoe posobie. Pod red. I. A. Kholod. Moskva, Mosk. in-t inzhenerov zhelezn. transporta 1962. 45 p.
- [MICROFILM]
Small-size installation for demonstrating the properties of polymers. S. M. Petukhov, I. V. Piskarev. Khim. shkola 18 no. 1:75-78 Ja-F '63.
- Study of polymers in a physics course. I. I. Podgornyi. Fiz. v shkole 23 no. 1:14-21 Ja-F '63.
- Synthesis of graft copolymers of acrylonitrile and 2-methyl-5-vinylpyridine. I. U. G. Kriazhev, Z. A. Zhur. VKHO 6 no. 1:118-119 '63.
- Synthesis of polyalkoxysilazanes. M. M. Morgunov, D. I. A. Zhinkin, M. V. Sobolevskii. Plast. massy no. 2:26-27 '63.

POLYMERS (Continued)

Synthesis of polypyrazoles. V. V. Korshak and others. Dokl. AN SSSR 140 no. 3:602-605 Mr '63.

Thermodynamics of mesophases and the properties of polymers and liquid crystals. V. K. Semanchenko, Prim. ul'frankuz. k. issl. veshch. no. 16:101-116 '62. Vinylpyridines and the polymers derived from them. A. K. Shelnkman, B. A. Rozenberg, A. A. Arinonov, Khim. prom. no. 3:101-107 Mr '63.

POLYMERS—BIBLIOGRAPHY see Bibliography—Polymers

POLYMERS—DRYING

Process of curing of pentaerythritol, polyvinylbutyral, and emulsion polystyrene in suspension. N. I. Gel'perin, O. I. Podgetskaya, M. K. Dubinin. Plast. massy no. 4: 31-34 '63.

POLYMERS—OPTICAL PROPERTIES

Asymmetry of the critical opalescence of polymer solutions [with summary in English]. A. B. Davanko, I. Smuto, P. M. Lilo. Vysokom. soed. 5 no. 3:446-448 Mr '63.

POLYMERS—TESTING

Aging of polyolefins. Comparative lightfastness of polyolefins. E. N. Matveeva, A. A. Kozodol, A. L. Goldenberg. Plast. massy, no. 4:7-11 '63.

POLYMERS, HIGH see Macromolecular compounds

POLYMORPHISM

Morphology of higher mononuclear triglycerides studied by means of a volumetric microdilator with an automatic recording device. G. B. Ravich, B. N. Egorov, B. G. Krylov. Izv. AN SSSR, Otd. khim. nauk no. 3: 461-467 Mr '63.

POLYNOMIALS

Approximation by trigonometric polynomials of functions of two variables satisfying Lipschitz' condition. P. I. Ruban, K. V. Krasnol'nikov. Izv. vyz. ucheb. zav.; mat. no. 3:135-139 '63.

Norms of trigonometric polynomials and the approximation of differentiable functions by linear mean values of their Fourier series. Part 2. S. A. Tol'akovskii. Izv. AN SSSR, Ser. mat. 27 no. 2:252-272 Mr-Apr '63.

POLYNUCLEOTIDE PHOSPHORYLASE

Formation of concave drops in the synthesis of polyadenylic acid by polynucleotide phosphorylase. A. I. Oparin, K. B. Serebrovskaya. Dokl. AN SSSR 140 no. 4:943-944 F '63.

POLYPLOIDY

Polyploidy in the breeding of mulberry trees. I. K. Abdullaev. Dokl. AN Azerb. SSR 10 no. 1:40-53 '63.

POLYPLOIDY—CONGRESSES

Valuable method to be introduced into agricultural practice; Second All-Union Conference on Polyploidy. L. F. Breslavets. Priroda 62 no. 4:110 '63.

POLYPOREASE

Effect of vitamins B₁ and B₂ and gibberellin on the growth of the fungus *Panizopas annosa* (Fr.) Karst. S. F. Negrutskii. Nauch. dokl. vuz. shkoly; biol. nauki no. 2: 144-147 '63.

POLYPROPYLENE

Influence of the method of processing on the properties of polypropylene films. G. A. Ermilova. Plast. massy no. 4:72-74 '63.

POLYSACCHARIDES

Significance of a comprehensive examination of proteins, glycoproteins and mucopolysaccharides in rheumatic fever [with summary in English]. O. L. Dukhovnina. Vop. revm. 1 no. 3:45-52 Ji-S '61.

POLYZGA, FOSSIL see subdivision under Kursk Magnetic Anomaly

POLZUNOV, IVAN IVANOVICH, 1730-1766

Steam-operated machine; 200th anniversary of I. I. Polzunov's invention. A. D. Velsman. Priroda 62 no. 4:111 '63.

POPLAR see subdivision under Karaganda; Orenburg Province

POPLAR—DISEASES AND PESTS

Pyraea anachoreta F. as a dangerous pest of landscape plantations. I. A. K. Gishitskii. Zashch. rast. ot vred. i bol. 6 no. 11:13 N '61.

POPLAR REGIONS—PHYSICAL GEOGRAPHY

Popular asymmetry of the geographical envelop. K. K. Markov. Izv. Vses. geog. ob-va 95 no. 1:3-8 Ju-P '63.

POPOV, ALEKSANDR STEPANOVICH, 1880-1905

Against the distortion of the history of radio. V. I. Shamshur. Elektrosv'az' 17 no. 4:70-72 Ap '63.

POPOVICH, PAVEL ROMANOVICH, 1930-

Diary of Marina Popovich. Granzhd. av. 20 no. 1:30 Ju '63.

"The orbit of his life" by Mykola Mel'nykov. Reviewed by Dm. Solodkyi. Ukraina no. 5:23 Mr '63.

POPOVICH FAMILY

Mother. Ukraina no. 5:1 Mr '63.

POPOVKA (KONOTOP DISTRICT)—SOCIAL LIFE AND CUSTOMS

House warming among workers and collective farmers. A. Toboliev. Nar. tvorch. ta etn. 6 no. 4:151-153 O-D '62.

POPULAR MUSIC see Music, Popular (Songs, etc.)

POPULATION—STATISTICS

Population reproduction of the U.S.S.R. and some foreign countries. A. M. Merkov. Zdrav. Ros. Feder. 7 no. 2:32-36 F '63.

PORCELAIN

Work practices of the Pervomaisk Factory of Electric Engineering Porcelain. L. M. Sadovnich. Lezh. prom. no. 1:48-49 Ja-Mr '63.

PORFIREV, GLEB SERGEEVICH, 1911-1959

In memory of Gleb Sergeevich Porfir'ev. B. S. Sokolov, A. B. Ivanovskii. Trudy VNIIGRI no. 106. Paleont. sbor. no. 3:6-8 '62.

POROSITY

Effect of rock pressure on physical properties of rocks. L. M. Marmorshtein. Trudy NIIGA 132:152-162 '62. Interaction of macroscopic pores in solids. I. A. Geguzin, A. S. Dzuba. Fiz. tver. tela 5 no. 3:891-898 Mr '63.

Method for calculating the porosity of rocks under rock pressure. A. L. Gonor, L. M. Marmorshtein. Trudy NIIGA 132:143-151 '62.

POROUS MATERIALS

Production of self-damping elastic polyurethane foams. V. A. Sidorov and others. Plast. massy no. 4:69-70 '63.

PORTAL HYPERTENSION

Characteristics of the course of portal hypertension in elderly and senile persons. L. P. Shulak. Trudy Kish. gos. med. inst. 12:35-38 '60. Some problems of surgical treatment of a portal blood circulation block. L. I. Roman. Klin. khir. no. 5:38-43 My '62.

PORTAL VEIN

Clinical importance of determining the rectopulmonary time. A. V. Lesnichii. Vrach. delo no. 3:131-132 Mr '63.

PORTLAND CEMENT

Directing effect of calcium sulfate in mineral-forming process during clinkering. M. A. Akhmedov, T. A. Ragozina. Uzb. khim. zhur. 7 no. 1:23-27 '63. Kinetics of sintering of mixed Portland cement raw materials at high temperatures. I. U. M. Butt, V. V. Timashev, D. A. Vysotskii. Zhur. VKhIO 8 no. 2: 179-188 '63.

POSITION-FINDERS

Andrienko, S. A. [Work of the computer in the artillery] Rabota vychislitel'na v artillerii. Moskva, Voenizdat, 1962. 71 p. (Za voenno-tekhnicheskie znanila)

POSITIVISM

Critical evaluation of positivist views on the correlation of philosophy and natural sciences. V. V. Platonov, Kh. P. Pulatov. Obshchestv. nauki v Uz. 7 no. 2:27-34 '63.

POSTIONS—PHYSIOLOGICAL EFFECT

Mutagenic activity of antiparticles [with summary in English]. I. A. Rapoport, A. V. Miller. Probl. kosm. biol. 2:350-360 '62.

POSLAVSKAYA, NATAL'IA ALEKSANDROVNA, 1916-1962

Natal'ia Aleksandrovna Poslavskaya; obituary Paleont. zhur. no. 1:154 '63.

POSTAGE STAMPS see subdivision under Indonesia

POSTAL SERVICE

Speed up the mechanization of postal service. B. A. Voronov. Vest. aviats. 23 no. 4:20-21 Ap '63. We should seek continuously to improve our work practices. V. I. Korneev. Vest. aviats. 23 no. 4:14-16 Ap '63.

POSTAL SERVICE—ACCOUNTING

Titchenko, M. P., and S. G. Lyov. [Accounting in self-supporting communications enterprises] Bukhgalterskii uchët v khozraschetnykh predpriyatiakh svyazi. Moskva, Gos. izd-vo lit-ry po voprosam svyazi i radio, 1960. 95 p. (CU)

POSTAL SERVICE—EMPLOYEES

She is at the forefront. I. A. Iudin. Vest. aviats. 23 no. 4:30-31 Ap '63. A well organized telecommunication department. N. M. Gordeev. Vest. aviats. 23 no. 4:31-32 Ap '63.

POSTERS

(see also subdivision under Virgin Territory)

Kaslian, V. L. [Political poster] Politichnyi plakat. Kyiv, Derzh. vyd-vo obrazovorchoho mystetstva i muzychnoi lit-ry URSS, 1963. 29 p. (Biblioteka z pytan' mystetstva: Obrazotvorche mystetstvo)

POTASSIUM CHLORIDE

Thermographic and calorimetric study of the system samarium trichloride - potassium chloride. Sun Iui-hin' [Sung Yu-lin], G. I. Novikov. Zhur. neorg. khim. 8 no. 3:700-703 Mr '63.

POTASSIUM CHLORIDE CRYSTALS

Temperature dependence of spin-lattice relaxation time of F-centers in KCl. A. A. Bugai. Fiz. tver. tela 5 no. 3:955-957 Mr '63.

POTASSIUM HALIDES

Interaction of urea with sodium and potassium halides and nitrates. Report No. 1: Ternary systems consisting of urea - potassium nitrate and potassium halides. A. G. Bergman, K. Noguev. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:149-154 '62.

POTASSIUM IODATE CRYSTALS

Crystallization of potassium iodate (KIO₃). A. P. Kasal'kin, T. G. Petrov, E. B. Treivus. Kristallografiya 7 no. 6:952-954 N-D '62.

POTASSIUM NITRATE

Interaction of urea with sodium and potassium halides and nitrates. Report No. 1: Ternary systems consisting of urea - potassium nitrate and potassium halides. A. G. Bergman, K. Noguev. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 8:149-154 '62.

POTASSIUM PERMANGANATE

Oxidation of xylenes by a potassium permanganate solution. D. Rakhimov, G. Khodzhaev. Uzb. khim. zhur. 7 no. 1:70-75 '63.

POTATO BEETLE

Phenology of the Colorado beetle. E. N. Ivanov, G. V. Gusev, V. N. Zhuravlev. Zashch. rast. ot vred. i bol. 6 no. 6:50-51 Je '61.

POTATO BEETLE—EXTERMINATION see subdivision under Kaliningrad Province; Russia, Northwestern

POTATO ROT

How to estimate late blight on potato tops. T. V. Pestinskaya, R. I. Shchekochikhina. Zashch. rast. ot vred. i bol. 6 no. 6:47-48 Je '61.

POTATO WART see subdivision under Europe; Kaluga Province; Sunny Province; Zhitomir Province

POTATOES

Golovko, D. G. [Growing potatoes on peat soils] Vyrashchivanie kartofeln na torfianykh pochvakh. Leningrad, Sel'khozizdat, 1962. 134 p. (DNAL)

Into the knapsack of a detachment. IUn. nat. no. 3:6-7 Mr '63.

Propagation of potatoes by seeds. S. D. Butylin. Shkola i proizv. 7 no. 4:68-72 Ap '63.

Role of bacterial fertilizers in increasing a potato crop. N. I. Mantshikova, V. I. Savochkina. Biol. v shkole no. 2:62-64 Mr-Apr '63.

POTATOES—DISEASES AND PESTS

Dangerous potato pest. A. K. Grigorian. Zashch. rast. ot vred. i bol. 6 no. 11:43 N '61. Early deep interrow subsoiling in controlling black scurf of potatoes. T. F. Ryzhkov. Zashch. rast. ot vred. i bol. 6 no. 6:31-32 Je '61.

POTATOES—FERTILIZERS AND MANURES

Effect of various forms of mineral fertilizers on the starch and ascorbic acid content of potato tubers [with summary in English]. P. O. Dmytrenko, Zh. T. Holovashchuk. Ukr. biokhim. zhur. 34 no. 6:833-870 '62.

POTATOES—FIELD EXPERIMENTS

Experiment in producing an early potato crop. E. G. Krutenko, I. Soboleva. Biol. v shkole no. 2:61-62 Mr-Apr '63.

POTATOES—STORAGE

Experience of the Mosalsk Dried Vegetable Plant in storing potatoes in surface silos. T. N. Nasakin, N. D. Volik. Kona. i ov. prom. 18 no. 5:25-28 My '63. Let's improve the design of potato warehouses. E. Ruben. Sov. torg. 38 no. 2:44-46 F '63.

POTENTIAL, THEORY OF

Method of Green's functions in the theory of ferromagnetism. I. U. A. Izumov. Fiz. tver. tela 5 no. 3:717-723 Mr '63.

Pairing with nonzero angular momentum in Fermi-system [with summary in English]. I. A. Privorotskii. Zhur. eksp. i teor. fiz. 44 no. 4:1401-1408 Ap '63.

Theory of Fermi-fluids [with summary in English]. B. T. Gel'fman, Zhur. eksp. i teor. fiz. 44 no. 4:1340-1348 Ap '63.

POTENTIOMETER

Multirange potentiometer bridge. G. P. Buinichenko. Izv. vyz. ucheb. zav.; prib. 6 no. 2:154-155 '63.

POTENTIOMETER—TESTING

Evaluation of a. c. and d. c. potentiometers according to input impedance. A. L. TSiber. Izv. tekhn. no. 3:43-48 Mr '63.

POTENTIOMETRIC ANALYSIS

Conjugation factors in cyclic systems. Report No. 8: Use of polarographic and potentiometric methods for studying electron interchange effects in cyclohexadiene-1,2-dicarboxylic acids and their methyl esters. S.O. Mairanovskii and others. Izv. AN SSSR, Otd. khim. nauk no. 2:240-245 F '63.

Separate potentiometric determination of formic acid, dimethylamine, and dimethylamine formate in dimethylformamide [with summary in English]. I.A. L. Tur'ian, V.G. Baranova, V.A. Alifirova. Zhur. anal. khim. 18 no. 1:121-125 Ja '63.

POTTED PLANTS see Plants, Potted

POTTERY

An old art for the young. I. Drobyshev. Klub 12 no. 2: 20-30 F '63.

POTTERY—MARKS

Potters' marks. R.L. Rozenfeld. Sov. arkhool. 7 no. 2:121-130 '63.

POTTERY, PRIMITIVE

Origin of glazed pottery in Russia. T.I. Makarova. Sov. arkhool. 7 no. 2:246-250 '63.

POULENC, FRANCIS, 1899-1963

Francis Poulenec. R. Gofman. Sov. muz. 27 no. 4: 132-135 Ap '63.

POULTRY

(see also subdivision under Armenia)

Irradiating hens with the PRK-7 mercury-quartz lamps. E.I. Smirnova. Trudy Kras. SKH 3 no. 1:70-72 '59.

POULTRY—PHYSIOLOGY

Nucleic acid content and composition in the testes and muscles of Pekin ducks during the winter period of sexual dormancy [with summary in English]. V.M. Haidai. Ukr. biokhim. zhur. 34 no. 5:649-654 '62. Roentgenological method for studying the metabolism of mineral substances in hens. E.I. Smirnova. Trudy Kras. SKH 3 no. 1:159-163 '59.

POULTRY HOUSES AND EQUIPMENT

(see also subdivision under Sumy Province)

Collective farms build large poultry houses. I. Bondar. SU, bud. 12 no. 5:3-4 My '62.

Nonfreezable watering device. IUn, tekhn. 7 no. 2:18 F '63.

POULTRY HOUSES AND EQUIPMENT—FIRES AND FIRE PREVENTION

Incubators. V. Shimanov. Pozh. delo 0 no. 3:11-13 Mr '63.

POULTRY PLANTS

Improving the equipment and technology in poultry processing plants. A. Tikhomirov. Mias. ind. SSSR 33 [i.e. 34] no. 2:9-10 '63.

POULTRY PLANTS—EQUIPMENT AND SUPPLIES

Conveyor line for the processing of waterfowl in poultry plants. V.R. Firsiak, I.A. L. Samburg. Khim. prom. no. 1:10-15 Ja-Mr '63.

Using the PKS-20 dryer for the drying of feathers. V. Tarasov, D. Kaluzhnyi. Mias. ind. SSSR 34 no. 1: 55 '63.

POWDER METALLURGY

Alloy without smelting. O. Ralchenko. Nauka i zhytits 12 no. 2:14-15 F '63.

Electrochemical oxidation and reduction of sparingly soluble suspensions. M.A. Loshkarev, I.P. Chernobayev. Ukr. khim. zhur. 29 no. 3:287-292 '63.

Precious rust. L. Lifshits. IUn, tekhn. 7 no. 4:27-30 Ap '63.

Regularities of the formation of electrolytic iron powders. A.T. Vagramean, V.N. Kudravitsev. Izv. AN SSSR, Otd. khim. nauk no. 2:263-268 F '63.

POWDERS

Measuring the specific surface of powders. V.A. Nolidov. Trudy Giprotsement no. 24:42-63 '62.

POWER ENGINEERING

(see also subdivision under United States)

Brief reports on developments in the U.S.S.R. Prom. energ. 18 no. 4:47 Ap '63.

Brief reports on power engineering in the U.S.S.R. Prom. energ. 18 no. 1:80-61 Ja '63.

Concerning A.B. Frankel's article, "Automation in power engineering enterprises." T.A. Tikhov, S.G. Shvetsov, A.V. Shcherbakov. Prom. energ. 17 no. 8: 60-61 Ag '62.

Development of electric power engineering in the U.S.S.R. [Razvitiye elektroenergetiki SSSR. Moskva, Gosenergoizdat, 1961. 55 p.]

[PHOTOCOPY]

Developments abroad. Prom. energ. 18 no. 4:48 Ap '63.

In foreign countries. Prom. energ. 18 no. 1:61 Ja '63.

Suggestions having received recognition at the Seventeenth All-Union Competition on the Saving of Thermal and Electric Power. Prom. energ. 18 no. 4:44-47 Ap '63.

Toward new accomplishments in the development of power engineering. Elektrichestvo no. 3:1-4 Mr '63.

Work practices in supervising the operation of thermal systems. B.A. Konstantinov, A.A. Printsev. Prom. energ. 17 no. 8:1-3 Ag '62.

POWER ENGINEERING—BIBLIOGRAPHY see Bibliography—Power Engineering

POWER ENGINEERING—CONGRESSES

Seminar of power engineers in ship-repair yards. Mor. flot 23 no. 1:38 Ja '63.

POWER ENGINEERING—EQUIPMENT AND SUPPLIES

Points from technical journals. Energetik 11 no. 3:28-29 Mr '63.

POWER PRESSES

Automatic press for the manufacture of punched and drawn screens from sheet metal. I.U. I. Naumov. Kuz. -shtam, protzv. 5 no. 4:40-41 Ap '63.

Developing a line of single-crank presses. V.V. Magaziner, I.N. Fil'kin. Kuz. -shtam, protzv. 5 no. 3:38-40 Mr '63.

Dimensional accuracy of forgings during free plane sizing on crank presses. B.P. Zvorono. Kuz. -shtam, protzv. 5 no. 4:1-6 Ap '63.

Experimental investigation of crank press pneumatic systems with interlocking of clutch and brake. D.M. Abakhin. Kuz. -shtam, protzv. 5 no. 3:22-25 Mr '63.

Laboratory equipment providing for a constant rate of deformation. I.L. Akaro. Kuz. -shtam, protzv. 5 no. 4:27-28 Ap '63.

Universal set, pass inserts, and die chocks for crank presses in forging. G.K. Nikolaev. Kuz. -shtam, protzv. 5 no. 4:12-16 Ap '63.

POWER PRESSES—DESIGN AND CONSTRUCTION

Efficient arrangement of bearing sheets of all-welded closed-type press housings. P.G. Orlov. Kuz. -shtam, protzv. 5 no. 4:31-32 Ap '63.

POWER PRESSES—STANDARDS

[Press-forging equipment] Kuznechno-pressovoe oborudovanie. Izd. ofitsial'noe. Moskva, Standartizir. 1962. 258 p. (SSSR. Gosudarstvennye standarty)

POWER TOOLS

Help for the hands. G. Georgieva. Izobr. i rats. no. 3: 40-41 '63.

POZNAN—FAIRS

At the 1962 International Fair in Poznan (from "Przeglad zbiorow-mlynarski," no. 8, 1962). M. Tartakovskii. Muk. -elev. prom. 29 no. 1:30-31 Ja '63.

POZNAN—VIOLIN—COMPETITIONS

The Winiawski Competition. Igor' Bezrodnyi. Sov. muz. 27 no. 2:72-75 F '63.

PRAGUE—THEATER

Miniature theaters in Prague today. Mifan Lukish. Teatr 24 no. 4:152-153 Ap '63.

PRAIRIES see subdivision under Tajikistan

PRECAST CONCRETE

Industrial construction needs the output of construction yards with concreting equipment. V. Kvitko. Prom. stroi. i inzh. soor. 5 no. 2:16-18 Mr-Ap '63.

Kozlov, V. Sh., and A. A. Dykhovichnyi. [Design of reinforced-concrete elements; mechanical methods] Raschet zhelezobetonnykh konstruktsii; mekhanizirovannye metody. Kiev, Gosstroizdat USSR, 1963. 493 p.

Manufacture of foundations for metal contact network poles. V. Z. Kozlov, V. E. Motornii. Transp. stroi. 13 no. 3:11-12 Mr '63.

Reasons why the walls of the center part of contact network poles were thinner. V.G. Pashkovskii. Transp. stroi. 13 no. 4:50-51 Ap '63.

PRECAST CONCRETE—CONSTRUCTION

Standardization among branches of industry of shallow tunnels and channels. M. Brodskii. Prom. stroi. i inzh. soor. 5 no. 2:30-33 Mr-Ap '63.

PRECAST CONCRETE—CURING

Shorter cycle of thermal treatment for coarse-pored concrete. G.A. Buzhevich. Bet. i zhel. -bet. 9 no. 3:118-123 Mr '63.

Using small molds in the autoclave production of wall slabs. V.G. Kialitsyn, V.V. Teplov. Bet. i zhel. -bet. 9 no. 3:140-142 Mr '63.

PRECAST CONCRETE—ESTIMATES see subdivision under Azerbaijan

PRECAST CONCRETE—STANDARDS

New factory-made standard reinforced concrete elements. Blul. stroi. i tekhn. 20 no. 4:28-31 Ap '63.

New standard factory-made reinforced concrete elements. Blul. stroi. i tekhn. 20 no. 3:38-40 Mr '63.

New standards SNIP II-V. 1-62 for the design of concrete and reinforced concrete elements. K.E. Tal'. N.N. Lessig. Bet. i zhel. -bet. 9 no. 3:97-102 Mr '63.

PRECAST CONCRETE—TESTING

Concrete deformations in bent reinforced concrete elements. V.S. Rokach. Bet. i zhel. -bet. 9 no. 3:130-135 Mr '63.

Functioning of contact network poles subject to prolonged loading. I.U. N. Khromets. Transp. stroi. 13 no. 4: 51-53 Ap '63.

Stability of centrally compressed elements subject to prolonged loading. I.I. Ulitskii. Chzhan Chzhan-Iao [Chang Chung-Yao]. Bet. i zhel. -bet. 9 no. 3:135-137 Mr '63.

PRECAST CONCRETE—TRANSPORTATION

Choosing a method of transporting reinforced concrete elements of completely precast buildings. A.E. Leibman. Transp. stroi. 13 no. 3:42-44 Mr '63.

PRECAST CONCRETE CONSTRUCTION

(see also subdivision under Leningrad; Moscow; Uzbekistan; Volinsk Hydroelectric Power Station)

Akademiya stroitel'stva i arkhitektury SSSR. Leningrad-skiy filial. [Mesh-reinforced concrete elements in construction] Armatsementnyye konstruktsii v stroitel'stve; sbornik nauchnykh soobshchenii. Leningrad, Gosstroizdat, 1963. 177 p.

Bolted joints in the assembly of a reinforced concrete span. B.M. Volublat, N.N. Tikhonov. Transp. stroi. 13 no. 3:19-22 Mr '63.

Conversion of the electrical system of a machine for disassembling and assembling molds in large-panel housing construction enterprises. V.I. Ieg. I.N. Berzovich. Prom. energ. 18 no. 1:17-19 Ja '63. Each member of the crew has mastered two or three skills. S.P. Vdovitsin. Transp. stroi. 13 no. 4:42-43 Ap '63.

Economical wide-span elements. E. Korolev, M. Kornsev. Na stroi. Ros. 4 no. 4:4-5 Ap '63.

Multitrack railroad trestle made of precast reinforced concrete. G. Podukov. Prom. stroi. i inzh. soor. 5 no. 2:7-9 Mr-Ap '63.

New developments in the use of three-dimensional concrete blocks. B. Chebotkov, I. Shpichenko, M. Polonskii. Prom. stroi. i inzh. soor. 5 no. 2:12-15 Mr-Ap '63.

New type of residential building in Moscow. V. Borovoi. Na stroi. Ros. 4 no. 4:14-15 Ap '63.

Silos and conveyor galleries made of mesh-reinforced concrete. L. Braverman, G. Podgatskii, G. Chazakov. Prom. stroi. i inzh. soor. 5 no. 2:33-38 Mr-Ap '63.

Using precast reinforced concrete in hydraulic developments; at the seminar in the "Water management" pavilion, Exhibition of Achievements of the National Economy of the U.S.S.R. I.A.E. Vinokur, I.A. Chernikov. Gidr. i mel. 15 no. 2:60-63 F '63.

PRECAST CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

Special features of the assembly of series 1-335 large-panel buildings in winter conditions. I.V. Galaktionov. Transp. stroi. 13 no. 3:31-34 Mr '63.

Unheated mortars for sealing precast elements. P.S. Kostinev. Transp. stroi. 13 no. 3:51-52 Mr '63.

PRECAST CONCRETE CONSTRUCTION—CONGRESSES

For a broad exchange of advanced experience. Stroi. i arkh. Len. 25 no. 4:1 Ap '63.

PRECAST CONCRETE CONSTRUCTION—STANDARDS

"Foundations and footings made of piles and cylindrical shells. Precast elements." Blul. stroi. i tekhn. 20 no. 3:10-11 Mr '63.

PRECIOUS STONES, ARTIFICIAL

New scientific discoveries and technological innovations. Agitator no. 14:31 Ji '62.

PRECIPITATION (CHEMISTRY)

Hydrolytic precipitation of gallium from sulfuric acid solutions. V.A. Tsimmergskii, G.V. Lavrova. Ukr. khim. zhur. 29 no. 3:258-262 '63.

Investigation of the countercurrent coprecipitation of indium with sparingly soluble compounds of heavy metals. N.S. Fortunatov, L.E. Slobosov. Ukr. khim. zhur. 29 no. 3:339-342 '63.

Masking effect of some polyatomic alcohols of the aliphatic series on metal precipitation reactions. I.V. Platitskii, A. Kh. Klibus. Ukr. khim. zhur. 29 no. 3: 245-251 '63.

PRECIPITATION (METEOROLOGY)

(see also subdivision under Chorg-Kizylsu Basin; Russia; Northern)

Soda formation in atmospheric precipitation and in soda lakes. S.A. Durov. Ukr. khim. zhur. 29 no. 3:343-347 '63.

PRECISION CASTING

New compound for melted-out patterns. L.R. Bronoval, A.A. Kardash. Lit. proizv. no. 4:39 Ap '63.

New trends in precision casting. K. L. Sheherbakov. Blul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:80-86 '63.

PRECISION CASTING—EQUIPMENT AND SUPPLIES

Baradan'lanta, V.K. [Gypsum equipment for precision casting] Gipsovala osnastka dlia tochnogo lit'ia. Moskva, Mashgiz, 1963. 93 p.

PREDICATES, CALCULUS OF see Calculus of Predicates

PREFABRICATED BUILDINGS see Buildings, Prefabricated

PREGNADENEDIONE

Treatment of a heart block with prednisolone. V. I. Anashkina, I. A. O. Rudakov. *Kardologiya* 2 no. 3:86-87 My-Je '62.

PREGNANCY, COMPLICATIONS OF

Effect of temporary cessation of fetal-maternal blood circulation on the contracting activity of the uterus and carbohydrate metabolism of the mother. Kh. G. Kanbal. *Azerb. med. zhur.* no. 2:10-15 F '62.
State of carbohydrate metabolism in toxemia of the first half of pregnancy. A. D. Matlova-Kasumova. *Azerb. med. zhur.* no. 2:35-42 F '62.

PREMATURE INFANTS see Infants (Premature)

PRESCHOOL EDUCATION see Education, Preschool

PRESCRIPTION WRITING

Moscow, *Vtoroi Moskovskii meditsinskii institut*. [Laboratory manual on pharmacology and general prescription writing] *Rukovodstvo k prakticheskim zaniatiyam po farmakologii i obshchei retsepture*. Moskva, 1962. 79 p.

PRESS

(see also subdivision under Lithuania; Uzbekistan)
Along Lenin's road. *Sov. poch.* no. 4:1-3 Ap '63.

PRESS—BIBLIOGRAPHY see Bibliography—Press

PRESSING OF GARMENTS—EQUIPMENT AND SUPPLIES

Mechanization of steaming and pressing operations. N. N. Krugauz. *Leh. prom.* no. 1:14-19 Ja-Mr '63.

PRESSURE

Effect of high isostatic pressure on transformations in iron-nickel alloys. L. A. Melnikov, B. K. Sokolov, A. I. Strelgin. *Fiz. met. i metalloved.* 15 no. 3:357-361 Mr '63.

Reduction of pressures in hydrogeology. E. F. Staukovich. *Sov. geol.* 8 no. 4:99-108 Ap '63.

Rise in pressure in the casing of single-throw pumps. A. V. Krylov. *Trudy MINKHGI* no. 40:156-161 '63.

PRESSURE—MEASUREMENT

Petrov, A. I., and V. T. Drozhak. [Techniques of measuring the pressure and consumption of fluids and gas] *Tekhnika izmereniia davlennii i raschodov zhidkosti i gaza*, 2, dop. i perer. Izd. Moskva, Gosstroiizdat, 1963. 240 p.

PRESSURE COOKERY

Pressure cookery. B. Zennadov, A. Lkhacheva. *Obshchestv. pit.* no. 2:42 F '63.

PRESTRESSED CONCRETE

Akademika stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stva. [Prestressed concrete elements for roofs of industrial buildings in the "Makstroi" Trust] *Predvortitel'no naprazhnenno zhelezobetonnye konstruktsii dlia pokrytii promyshlennykh zdaniil v tretoi "Makstroi" Donetskii sovmarkhoz*. Moskva, Gosstroiizdat, 1962. 30 p.

[MICROFILM]

Electric heating of high-strength wire in continuously reinforced girders. L. E. Litvinov. *Transp. stroit.* 13 no. 4:30-34 Ap '63.

Mastering the production of 10-motor prestressed beams. S. Biol. *Prom. stroit. i inzh. soor.* 5 no. 2:9-12 Mr-Ap '63.

Mechanization of the production of long prestressed concrete elements. D. M. Rachevskii. *Mekh. stroit.* 20 no. 4:1-4 Ap '63.

Precast reinforced concrete crane girders with partial prestressing. I. I. Ioslovskii, G. M. Ereminov, A. V. Nosarov. *Gidr. stroit.* 33 no. 2:18-22 F '63.

Production of large reinforced concrete elements. E. Ratis, S. Tseitlin. *Stroit. i arkhit. Mosk.* 11 [i. e. 12] no. 4:8-13 Ap '63.

PRESTRESSED CONCRETE—TESTING

Study of prestressing losses due to concrete shrinkage and creep in eccentrically compressed reinforced concrete elements. V. A. Iakimko. *Izv. vyzh. ucheb. zav. i stroit. i arkhit.* 6 no. 3:23-36 '63.

PRESTRESSED CONCRETE CONSTRUCTION

Determining the quantity of pressure for prestressed cable-suspended roofs. A. Fateev. *Prom. stroit. i inzh. soor.* 5 no. 2:30-41 Mr-Ap '63.

PRESTRESSED CONCRETE CONSTRUCTION—TESTING

Determining flexures of prestressed reinforced-concrete slabs. I. A. D. Livshits, B. M. Lyseyn. *Prykl. mekh.* 9 no. 1:99-102 '63.

PRIDANNIKOV, DMITRII NIKOLAEVICH, 1895-1940

Noteworthy dates in science and technology. *Shkola i prosv.* 7 no. 4:94-96 Ap '63.

PRICES

Price is an important means for creating a communist economy. D. Kondrashev. *Fin. SSSR* 37 no. 4:34-43 Ap '63.

PRIDANNIKOV, PETR TIMOFEEVICH, 1893-

P. T. Pridannikov; on his 70th birthday. N. G. Orlov. *Sov. zdrav.* 22 no. 4:100-101 '63.

PRILUKI—FIRE ENGINES

New fire engines manufactured by the Priluki Plant. A. Mechev. *Pozh. delo* 8 no. 3:24-25 Mr '63.

PRIMITIVE RELIGION see Religion, Primitive

PRINTING

Kozarovskii, L. A. [Basic characteristics of chalk overlay paper for printing and methods for their control] *Osnovnye svoistva melkovannoi bumagi dlia pechatii i metody ikh kontrolya*. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevo-obrabatывaushchei promyshl., 1962. 147 p. [MICROFILM]

Let's talk about invitation cards. G. Semar. *Klub* 12 no. 2:24-26 F '63.

PRINTING—DICTIONARIES

Troitskii, A. D., and others, comps. [German-Russian printing dictionary] *Nemetsko-russkii poligraficheskii slovar'*. Pod red. A. N. Chernysheva. Moskva, Fizmatgiz, 1962. 376 p.

PRINTING—TECHNOLOGICAL INNOVATIONS

Devices made in the printing house. I. Zabolot, M. Belorussets. *Poligr. prosv.* no. 3:31-33 Mr '63.

PRINTING INDUSTRY see subdivision under Moscow

PRINTING INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the papermaking and printing industry] *Ref. zhur. Tekh. i obr. bumagodel. i poligr. prosv.* no. 5 My '63.

PRINTING INDUSTRY—TECHNOLOGICAL INNOVATIONS

Inventors in industry. L. S. Kurganov, V. S. Ermakova. *Poligr. prosv.* no. 3:16-17 Mr '63.

PRINTING MACHINERY AND SUPPLIES

(see also subdivision under Moscow)

From production lines to overall mechanization. V. Klimov, L. Gorodentsev. *Poligr. prosv.* no. 3:17-19 Mr '63.

New developments in foreign printing. *Poligr. prosv.* no. 3:37-39 Mr '63.

New type-high planer for treating flat stereotypes. V. F. Dobrofeev. *Trudy NIIPoligrafmash.* no. 17:3-11 '62.
The "RTO" machine for one-bit etching of magnesium printing plates. A. M. Bogoslovskii. *Trudy NIIPoligrafmash.* no. 17:12-17 '62.

PRINTING PLANTS see subdivision under Lyubertsy; Moscow

PRINTING PLATES

Printing surface made with diazo compounds. S. D. Khamlin. *Poligr. prosv.* no. 3:26 Mr '63.

PRINTING PRESS

Organization of work on the "DPM" and "DPI" machines. N. A. Molotov. *Poligr. prosv.* no. 3:29-30 Mr '63.

PRISHVIN, MIKHAIL MIKHAILOVICH, 1873-1954

Magician of the word; on the occasion of M. M. Prishvin's 80th birthday. V. V. Litvinov. *Nach. shkola* 31 no. 2: 64-70 F '63.

PRISMS

Universal sine prism. A. P. Emel'yanov. *Izm. tekhn.* no. 3:12-13 Mr '63.

PROBABILITIES

Correct use of probability techniques in analyzing thought assignments [with summary in English]. M. M. Novoselov. *Vop. psikh.* 9 no. 2:96-100 Mr-Ap '63.

Gnurman, V. E. [Introduction to the theory of probability and mathematical statistics] *Vvedenie v teoriiu veroyatnostei i matematicheskuyu statistiku*, 2, izd. dop. Moskva, Gos. izd-vo "Vysshaya shkola," 1963. 237 p.

Large deviations for a certain class of positive random variables. A. V. Nagaev. *Izv. AN Uz. SSR. Ser. fiz.-mat. nauk* 7 no. 1:18-20 '63.

PROBATION see subdivision under Poltava

PROCAINE see Novocaine

PROCEDURE (LAW)

Preparation of lawsuits for trial. V. Bolodzhko. *Rad. pravo* no. 2:103-104 Mr-Ap '63.

We should put an end to the disregard of the requests of other courts. A. Vasilchenko. *Sov. iust.* no. 8:22 Ap '63.

PRODUCE TRADE

(see also subdivision under Alma-Ata Province; Georgia; North Kazakhstan Province; Ukraine)

History of the introduction of the levy in kind. I. U. K. Strizhkov. *Ist. zap.* no. 7:126-42 '62.

Legal problems concerning the state procurement of farm products. A. I. Volkau. *Vestsi AN BSSR. Ser. hram. nav.* no. 1:34-42 '63.

PRODUCTION CONTROL

More consideration to be given to the chemical-analytical control of the production of plastics. A. P. Kreshkov. *Plast. massy* no. 4:1-3 '63.

Pickups for the recording of production output based on changes in the current in machine-tool motor circuit. R. G. Tashunskii, B. G. Bochever. *Avt. prom.* 28 no. 6: 3-5 Je '62.

PRODUCTION STANDARDS

(see also subdivision under Bulgaria)

Establishing consolidated norms for work expenditure. N. Kulagin. *Sots. trud* 8 no. 4:128-135 Ap '63.

Establishment of norms on a voluntary basis. N. F. Evdokimov. *Mashinostroitel'* no. 3:38 Mr '63.

In order to be able to check the quality. L. Plishchanok. *Sov. torg.* 36 no. 2:15-17 F '63.

Organizing and establishing technical work norms in industrial enterprises. A. Khudkovskii. *Nar. khoz. Uzb.* 5 no. 4:84-87 Ap '63.

Workers' participation in establishing work norms. P. Evdokimov. *Sots. trud* 8 no. 4:23-24 Ap '63.

PRODUCTIVITY ACCOUNTING

Plisarev, I. I. U. [Some problems in the statistical study of labor and production] *Nekotorye voprosy statisticheskogo izucheniia truda i proizvodstva*. Moskva, Nauchno-issl. in-t truda, i zarabotnoi plati, 1961. 42 p. (CU)

PROFESSIONAL EDUCATION see subdivision under Moscow

PROFIT

(see also subdivision under Moscow Province)

Procedures for using profit in the enterprises of local industry and services to the population. S. Khelfets. *Fin. SSSR* 37 no. 4:79-82 Ap '63.

Yield of production funds and enterprise profit. L. Vass. S. Zakharov. *Vop. ekon.* no. 4:88-100 Ap '63.

PROFIT—ACCOUNTING

How to improve the computation of industrial profits. L. A. Kavaliou. *Vestsi AN BSSR. Ser. hram. nav.* no. 1: 15-23 '63.

PROGRAMMED INSTRUCTION

Programmed instruction. G. G. Maslova. *Mat. v shkole* no. 2:35-40 Mr-Ap '63.

This problem needs a thorough study. P. D. Lebedev. *Vest. vyzh. shkoly* 21 no. 3:13-18 Mr '63.

PROGRAMMING (ELECTRONIC COMPUTERS)

Algebraic treatment of programming. A. A. Liapunov. *Probl. kib.* no. 8:235-242 '62.

A certain method for solving a linear programming problem using an electronic computer [with summary in English]. L. M. Ososkii. *Avtom. i telem.* 24 no. 3: 351-360 Mr '63.

Solutions of linear algebraic systems. A. L. Brudno. *Probl. kib.* no. 8:187-190 '62.

A million of calculations per second; programming of mathematical problems. V. F. Kravitsin, G. B. Linkovskii. *Priroda* 52 no. 4:64-68 '63.

Operation of program controlled "Sagerhausen" centrifuges. *Sakh. prom.* 37 no. 3:74(234) Mr '63.

Operator algorithms. Part 2: Description of the principal programming structures. A. P. Ershov. *Probl. kib.* no. 8:211-233 '62.

Organization of a cyclic counting process based on a special kind of parametric notation. I. B. Zadykhailo. *Zhur. vych. mat. i mat. fiz.* 3 no. 2:337-357 Mr-Ap '63.

PROGRAMMING (MATHEMATICS)

Algebraic equivalence of the subsets of categories. N. I. Glebov. *Probl. kib.* no. 8:201-210 '62.

Concerning a certain problem of dynamic programming. I. U. Finkel'shtein. *Probl. kib.* no. 8:55-74 '62.

Synthesis of operators. N. I. Glebov. *Probl. kib.* no. 8: 191-200 '62.

PROJECT METHOD IN TEACHING

Maturity index of a technical school collective. G. M. Stiskin. *Sred. spets. obr.* 10 no. 4:47-49 Ap '63.

PROJECTORS

Use of projectors and microscopes for the projection of microscopic preparations. L. I. Shanskii. *Biol. v shkole* no. 2:92-94 Mr-Ap '63.

PROKOF'EV, SERGEI SERGEEVICH, 1891-1953

About my Fifth Symphony. S. Prokof'ev. *Sov. muz.* 27 no. 3:47 Mr '63.

At the Conservatory; chapters from "Autobiography." S. Prokof'ev. *Sov. muz.* 27 no. 3:42-47 Mr '63.

"Distant seas"; about S. Prokof'ev's last operatic project. L. Poliakova. *Sov. muz.* 27 no. 3:53-56 Mr '63.

Last letter written by S. Prokof'ev. *Sov. muz.* 27 no. 3: 51 Mr '63.

Pages of reminiscences. M. Prokof'eva. *Sov. muz.* 27 no. 3:51-53 Mr '63.

"What do you think about the sun?" S. Prokof'ev. *Sov. muz.* 27 no. 3:47-50 Mr '63.

PROKOP'YEVSK (KEMEROVO PROVINCE)—BUILDING TRADES—STUDY AND TEACHING

Vavilov, V. S., and P. I. Snitsyn. [Socially useful work of students in construction; from the practice of Prokop'yevsk, Kemerovo Province schools] *Obshchestvenno poleznyi trud uchashchikha na stroitel'stve; iz opyta raboty shkol g. Prokop'yevska Kemerovskoi oblasti*. Moskva, Uchpedgiz, 1962. 87 p.

- PROKSHINA, RAISA**
Raisa Prokshina, a propagandist. N. Antipov. Mol. komm. no. 2:111-112 F '63.
- PROLETARSKAYA RESERVOIR—SHORE PROTECTION**
Banks of the Proletarskaya Reservoir. S. S. Avedikov. Priroda 52 no. 3:62-63 '63.
- PRONCHISHCHEV, VASILII, d. 1763**
Our famous countrymen. H. Kurylenka. Belarus' 20 no. 3:26 Mr '63.
- PROPAGANDA**
Grozneneski rabochii. [Propagandists tell their story] Propagandisty rasskazyvaut... [Groznyi] Izd-vo gazety "Grozneneski rabochii," 1961. 64 p. (Biblioteka partiinogo rabotnika) (NIC)
- PROPAGANDA, ANTI-COMMUNIST** see subdivision under United States
- PROPANE**
Diagram "i" and "ex" for propane and ethane. V. I. Kostuk. Khol. tekhn. 40 no. 2:77 Mr-Apr '63.
Synthesis of d, 1-cysteic and β -sulfocysteic acids starting from 1, 1, 1, 3-tetrachloropropane. R. Kh. Freidlin, B. V. Kopylova. Izv. AN SSSR, Otd. khim. nauk no. 2:293-301 F '63.
- PROPELLERS**
New propeller system for motor-tugboats. P. Mochanov, I. Aksenov. Mor. flot 23 no. 1:25-27 Ja '63.
- PROPENE**
Action of nitrogen dioxide on perfluorobutylene. I. L. Kunitsants and others. Zhur. VKHO 8 no. 2:239-240 '63.
Alkylation of phenol by isobutylene in a fluid bed of a cation exchanger. P. S. Belov, V. I. Isagullants. Khim. prom. no. 3:161-166 Mr '63.
Concentrated solutions of polymers. Part 3: Viscosity of polyisobutylene solutions in various solvents [with summary in English]. A. A. Tager, V. E. Dreval', F. A. Khasina. Vysokom. soed. 5 no. 3:432-439 Mr '63.
- PROPERDIN**
Some experimental data on the significance of properdin in collagen diseases [with summary in English]. V. I. Sachkov and others. Vop. revm. 1 no. 3:17-21 Ji-S '61.
- PROPERTY**
Kazantsev, N. D. [The law of collective-farm property] Pravo kollektivnoi sobstvennosti. [Moskva] Mosk. gos. univ., 1961. 42 p. (WU)
The last trump; a pamphlet. M. Vistitskii. Polit. samobor. 7 no. 3:121-123 Mr '63.
- PROPORTIONING EQUIPMENT**
Device for the automatic proportioning of highly viscous bases. M. P. Zhokh. Lakokras. mat. i ikh prim. no. 2:70-71 '63.
Improving the proportioning mechanism of the K-33 machine for the lamination of "zeffir" candy. V. I. Koruz. Khar. prom. no. 1:42-43 Ja-Mr '63.
- PROPYLAMINE**
Synthesis of some N-derivatives of 2, 3-dihydroxypropylamine. T. V. Smirnova, V. N. Sapunov. Zhur. VKHO 8 no. 2:235-237 '63.
Synthesis of 2, 3-dimercaptopropylamine and its N-mono- and N,N'-dialkyl derivatives. V. M. Fedoseev and others. Dokl. AN SSSR 148 no. 4:871-874 F '63.
- PROSPECTING**
(see also subdivision under Ukraine; Yakutia)
Estimating the actual reserves of minerals and observations necessary in prospecting. V. V. Bogatskii. Trudy SNHGIMS no. 25:141-164 '62.
Method of spacing and its use for determining the efficient density of hole patterns. S. N. Kulichikhin. Min. syr'e no. 4:118-133 '62.
Principal results of prospecting for oil and gas in the U.S.S.R. in 1962. V. G. Vasil'ev, I. P. Zubov, B. A. Tkhostov. Geol. nefii i gaza 7 no. 3:1-9 Mr '63.
- PROSPECTING—GEOPHYSICAL DATA**
Using correlation analysis for processing geophysical data. I. U. B. Shaub. Izv. AN SSSR, Ser. geofiz. no. 4: 578-589 Ap '63.
- PROSPECTING—GEOPHYSICAL METHODS**
(see also subdivision under Buryat A. S. S. R.)
"Field geophysics" by S. S. Itenberg. Reviewed by V. Zaporozhets. Geol. nefii i gaza 7 no. 3:81-82 Mr '63.
Low altitude factors in aerogamma-magnetic surveying. A. M. Karaaik and others. Trudy NIIGA 132:172-179 '62.
Using geophysical methods in oceanographic studies. R. M. Dement'kalska, N. N. Trublatichinskii. Trudy NIIGA 132:3-6 '62.
- PROSPECTING—TECHNOLOGICAL INNOVATIONS** see subdivision under Tatar A. S. S. R.
- PROSTHESIS**
(see also subdivision under Saratov)
We need field bases. A. Demchenko. Sots. obesp. 21 no. 4:41-43 Ap '63.
- PROTECTION OF PLANTS** see Plants, Protection of
- PROTECTIVE ATMOSPHERES**
Automatic machine for welding girth joints in carbon dioxide. A. M. Khimich, V. P. Chistlik. Avtom. svar. 16 no. 4:65-66 Ap '63.
Estrin, B. M. [Preparation and use of controlled atmospheres] Proizvodstvo i primeneniya kontroliruemikh atmosfer. Moskva, Metallurgizdat, 1963. 342 p.
Sapir, L. S. [Welding in a water vapor atmosphere] Svarka v srede vodnogo para. Moskva, Mashgiz, 1963. 93 p.
- PROTECTIVE CLOTHING** see Clothing, Protective
- PROTECTIVE COATINGS**
Anticorrosive painting of gasholders. V. Vinnakii. Prom. stroi. i inzh. soor. 5 no. 2:57-58 Mr-Apr '63.
"Corrosion protection of structural elements; regulations for carrying out and inspecting the work." Bui, stroi. tekhn. 20 no. 4:19-20 Ap '63.
Development of paints with active admixtures for the protection of wet steel surfaces. R. G. Gadzhieva, I. U. E. Sinitsyna. Lakokras. mat. i ikh prim. no. 2:9-12 '63.
Effect of certain disintegrating agents on poly(vinyl chloride) anticorrosion coatings. V. G. Ben'kovskii, T. M. Bogoslovskaya, E. A. Drizo. Trudy Inst. nefii AN Kazakh, SSSR 4:140-154 '61.
Effect of water and electrolyte solutions on poly(vinyl chloride) anticorrosion coatings. V. G. Ben'kovskii, T. M. Bogoslovskaya, E. A. Drizo. Trudy Inst. nefii AN Kazakh, SSSR 4:156-167 '61.
New protective coatings for the manufacture of mirrors. S. I. Berman. Leh. prom. no. 1:30-40 Ja-Mr '63.
Protection of building materials with coatings based on polyester resins and glass fibers. L. M. Koval'chuk, V. V. Paturkov. Lakokras. mat. i ikh prim. no. 2:29-33 '63.
Protective coatings and finishings of the heat insulation of pipelines and equipment of electric power plants. F. G. Tsener. Elek. sta. 34 no. 2:84-85 F '63.
Protective treatment and reconditioning of film materials [with summary in English on p. 90]. I. M. Fridman. Tekhn. i teore. 7 no. 4:76-70 Ap '63.
Tsitin, P. G. [Application of bituminous coatings on pipes at a plant] Bitumnaia izoliatsiia trub na zavode, Moskva, Gosstroiizdat, 1963. 122 p.
Use of lacquer and paint coatings for the protection of fermentation chambers and conditioners in tobacco fermentation plants. N. A. Pomicheva. Lakokras. mat. i ikh prim. no. 2:39-40 '63.
Use of paint and lacquer coatings for the protection of hydraulic structures against fouling. E. V. Iskra. Lakokras. mat. i ikh prim. no. 2:37-39 '63.
Use of paint and lacquer coatings with a base of epoxy resins. A. I. Reibman, M. I. Finkel'shtein. Lakokras. mat. i ikh prim. no. 2:33-38 '63.
- PROTECTIVE COATINGS—TESTING**
Investigating the adhesion of polymer coatings by means of various methods. P. I. Zubov, A. T. Sanzharovskii, M. S. Dyl'kov. Lakokras. mat. i ikh prim. no. 2:48-55 '63.
Lacquer and paint coatings withstanding very low temperatures. P. M. Bogatyrev, V. V. Zherbovskii, N. S. Loseva. Lakokras. mat. i ikh prim. no. 2:6-9 '63.
- PROTEIN METABOLISM**
Autonomous protein synthesis in staphylococcal mutants with deficient oxidation. O. F. Gauze, A. V. Laiko. Dokl. AN SSSR 149 no. 3:711-713 Mr '63.
Mechanism of C¹⁴-tyrosine incorporation into proteins of large cytoplasmic granules [with summary in English]. L. Tolluiss. Biokhimiia 28 no. 1:161-171 Ja-F '63.
Ribonucleic acid as an intermediary and its role as a matrix in protein biosynthesis. M. F. Iuliy. Ukr. biokhim. zhur. 34 no. 5:758-760 '62.
- PROTEIN RESEARCH**
Code for protein synthesis. A. A. Baev. Zhur. VKHO 8 no. 1:2-11 '63.
- PROTEINASES**
Proteolytic and ribonuclease activity of brain homogenates [with summary in English]. I. A. TSariuk. Ukr. biokhim. zhur. 34 no. 8:815-824 '62.
- PROTEINS**
Free-boundary electrophoresis of fish proteins. A. K. Kamnarskaya. Ryb. khoz. 39 no. 4:75-77 '63.
News from abroad. Feed and food products from petroleum. Khim. i tekhn. topl. i masel 8 no. 3:72 Mr '63.
Nucleic acids and protein biosynthesis. V. S. Tongur. Vest. AMN SSSR 17 no. 12:20-20 '62.
Phylo- and ontogenetic changes in the soluble proteins of nerve tissue [with summary in English]. I. U. Mendetskii, B. Ruzhitskii. Ukr. biokhim. zhur. 34 no. 5:655-665 '62.
- Processing of oilseeds and obtaining from them protein-containing feed and edible products and oils; literary review. B. I. A. Golant, N. I. Ostapov. Masl. shir. prom. 20 no. 2:43-46 F '63.
- PROTEINS IN THE BODY**
Change in the protein and polysaccharide composition of the heart valves at different stages of the disorganization of the connective tissue in rheumatic heart disease [with summary in English]. G. I. Mingkai. Vop. revm. 3 no. 1:17-24 Ja-Mr '63.
Histochemical study of total protein in the elements of the central nervous system of healthy monkeys and in experimental poliomyelitis [with summary in English]. A. M. Archenkova. Vop. virus. 7 no. 6:675-689 K-D '62.
- PROTONS**
System for determining the position of a proton beam. A. A. Kuz'min and others. Prikl. i tekhn. eksp. 1 no. 4: 126-131 Ji-Ag '63.
- PROTONS—PHYSIOLOGICAL EFFECT**
Action of radiation protectors in whole-body irradiation by high-energy protons [with summary in English]. S. P. Iarmonenko and others. Probl. kosm. biol. 2:39: 302 '62.
Effect of high-energy protons on the frequency of mutations [with summary in English]. I. A. Rapoport, S. P. Iarmonenko, G. A. Avramina. Probl. kosm. biol. 2:37: 307 '62.
Some data on the biological effectiveness of 880 Mev. protons [with summary in English]. E. D. Kur'dzinskaya. Probl. kosm. biol. 2:354-358 '62.
- PROTONS—SCATTERING**
Elastic scattering of 4.2 Mev. protons on nickel isotopes [with summary in English]. V. I. A. Golovins and others. Zhur. eksp. i teor. fiz. 44 no. 4:1184-1189 Ap '63.
- PROTONS—SPECTRA**
Photodisintegration of ¹⁴N [with summary in English]. L. A. Kul'chitskii, I. U. M. Volkov. Zhur. eksp. i teor. fiz. 44 no. 4:1153-1159 Ap '63.
- PROTOPLASM**
Hagemann, R. [Plasmatic heredity. Translated from the German] Plasmatische Erbschaft. Pod red. i s predisl. B. L. Astaurova. Moskva, Izd-vo inostr. lit-ry, 1962. 110 p.
Heat resistance of the protoplasm of the representatives of various types of herbaceous plants of Tajikistan [with summary in German]. L. G. Iregova, A. I. Popova. Trudy Otd. fiziol. i biofiz. inst. AN Tadzh. SSR 2:3-107 '62.
- PROTOZOA** see subdivision under Dabovany Reservoir region
- PROTSENKO, DMYTRO PYLYPOVYCH, 1899-**
Dmytro Pylypovych Protzenko; on his 60th birthday. I. P. Bilokin, S. I. A. Miniberg, L. K. Polshchuk. Vsiyky Kyiv. un. no. 2. Ser. biol. no. 1:151-154 '63.
- PROVERBS**
History of conversational lexicon. V. P. Felitsyna. Uch. zap. LGU no. 287:152-162 '60.
- PROVERBS—DICTIONARIES**
[Concise dictionary of Russian and Turkmen proverbs] Kratkiy frazeologicheskii slovar' russkogo i turkmen-skogoazykov. Sost. A. Kuliev, A. Annanurov, G. Kulova. Ashkhabad, Izd-vo Akad. nauk Turkmenskoi SSR, 1963. 222 p.
- PROVERBS, UKRAINIAN**
Ukrainian folk proverbs and sayings. I. A. P. Solodchenko. Nar. tvorch. ta stn. 6 no. 4:116-118 O-D '62.
- PROVERBS, WHITE RUSSIAN**
Iankouski, Flodak, comp. [White Russian proverbs, sayings, and phrases] Belaruskii prykazki, pryauki, frazeologizmy. 2. vyd., dop. Minsk, Vyd-va Akad. nauk BSSR, 1962. 555 p.
- PRUNING**
Landscape gardening and tree pruning. I. M. Sakhrov. Priroda 52 no. 3:124-126 '63.
- PRUNING SHEARS**
Pruning shears for cutting shrubs. K. I. Elsmont. Avt. dor. 26 no. 4:25 Ap '63.
- PRZHEVAL'SK—JUVENILE AUTOMOBILE DRIVERS**
"The unyielding are awaking." Z. Amankulova. Komsom. zhizn' no. 4:32 F '63.
- PSKOV—CHURCH ARCHITECTURE—DETAILS**
Ceramic bands in Pskov architecture. I. I. Pleshchikov. Sov. arkheol. 7 no. 2:211-226 '63.
- PSKOV—EXCAVATIONS (ARCHAEOLOGY)**
Excavations of old Pskov conducted in 1956 and 1958-1960. G. Grozdilov. Soob. Gos. Erm. no. 13: 64-68 '62.
- PSKOV—SEALS (NUMISMATICS)**
Seals found during the 1960 excavations of Dvornitsky Gorod in Pskov. V. Delstetkii. Soob. Gos. Erm. no. 23: 22-24 '62.

PSKOV GOVERNMENT—RUSSIAN LANGUAGE—DIALECTS

Local lexicon of the Pskov administrative language in the 14th and 15th centuries. O. S. Mzhel'skaja, Uch. zap. LGU no. 267:55-60 '60.

PSKOV PROVINCE—NAMES, GEOGRAPHICAL

Significance of toponymy for historical dialectology. A. I. Lebedeva, Uch. zap. LGU no. 267:163-184 '60.

PSKOV PROVINCE—RUSSIAN LANGUAGE—DIALECTS

Significance of toponymy for historical dialectology. A. I. Lebedeva, Uch. zap. LGU no. 267:163-184 '60.

PSORALEN

Antitoxic function of the liver in vitiligo patients treated with psoralen and melatonin. M. A. Gulimova, Med. zhur. Uzb. no. 8:36-38 Ag '62.

PSYCHIATRIC HOSPITALS

Survey of the state of forensic-psychiatric expertise and enforced treatment as per data of reports of psychoneurological hospitals and dispensaries for 1959. L. A. Pastushenko, S. V. Torubarov, E. M. Kholodkovskaja, Pr. sudobnopsikh. ekspert. no. 5:88-95 '61.

PSYCHIATRY

Frumkin, I. A. P., and G. L. Voronkov. [School atlas of psychiatry] Uchebnyi atlas psikhiiatrii. Kiev, Gosmedizdat USSR, 1962. 379 p. (DNLM)

PSYCHOLOGY

Editor's mail. K. K. Platonov. Vop. psikh. 0 no. 2: 171-172 Mr-Apr '63.

"Entertaining psychology" by K. K. Platonov. Reviewed by K. M. Gurevich. Vop. psikh. 0 no. 2:107-170 Mr-Apr '63.

Fiftieth anniversary of the Institute of Psychology of the Academy of Pedagogical Sciences of the R. S. P. S. R. K. Gurevich. Sov. pedagog. 27 no. 4:104-166 Ap '63.

PSYCHOLOGY—BIBLIOGRAPHY see Bibliography—Psychology

PSYCHOLOGY—CONGRESSES

Anniversary session of the Institute of Psychology of the Academy of Pedagogical Sciences of the R. S. P. S. R. N. S. Leites, P. I. Razmyslov. Vop. psikh. 0 no. 2: 181-186 Mr-Apr '63.

PSYCHOLOGY, INDUSTRIAL

Konovalov, G. M. [Work, beauty, culture] Trud, krasota, kul'tura. Moskva, Izd-vo "Znanie," 1963. 47 p. (Narodnyi universitet kul'tury: Tekhniko-ekonomicheskii fakul'tet, no. 1)

PSYCHOLOGY, PATHOLOGICAL

Kantorovich, N. V. [Essays on healthy and pathological psychology] Ocherki o zdorovoi i bol'noi psikhike. Frunze, Kirgizgostizdat, 1962. 159 p.

PSYCHOLOGY, PHYSIOLOGICAL

Kantorovich, N. V. [Essays on healthy and pathological psychology] Ocherki o zdorovoi i bol'noi psikhike. Frunze, Kirgizgostizdat, 1962. 159 p.

Probability prognosis in brain functioning [with summary in English]. I. M. Felgenhoy. Vop. psikh. 0 no. 2:59-67 Mr-Apr '63.

Promptness of complex motor reactions as affected by the stimuli in the dominant and nondominant hemispheres [with summary in English]. Damián Kovács. Vop. psikh. 0 no. 1:114-122 Ja-F '63.

PSYCHOPHARMACOLOGY

New preparations for the treatment of depressive states; a survey of foreign literature. N. D. Lakosina, V. E. Rozhnov, B. A. Tselibeev. Pr. sudobnopsikh. ekspert. no. 5:96-129 '61.

PSYCHOSES

Acute infectious psychoses in forensic psychiatric practice. L. P. Goltitsina. Pr. sudobnopsikh. ekspert. no. 5:21-28 '61.

Atypical fantasies similar to delirium. I. A. E. Svirinovsky. Pr. sudobnopsikh. ekspert. no. 5:62-60 '61.

Difficulty of defining in alcoholics the borderline between superstition and psychoses of alcoholic delirium. L. N. Zemakov. Probl. aud. psikh. no. 12:110-122 '62.

Dynamics of the reactive state with a syndrome of psychogenic speech entanglement. O. M. Palladina. Pr. sudobnopsikh. ekspert. no. 5:53-61 '61.

Indicators of antihyaluronidase and antistreptolysin-O in mental patients suffering from rheumatic fever [with summary in English]. S. A. Khurehidian. Vop. revm. 3 no. 1:36-47 Ja-Mr '63.

Psychic disorders following insult and softening of the brain in advanced age. N. Aripov. Med. zhur. Uzb. no. 8:88-90 Ag '62.

Treatment of alcoholic psychoses by means of adenosinetriphosphoric acid and some characteristics of their pathogenesis. K. V. Mosketi. Probl. aud. psikh. no. 12:175-180 '62.

PUBLIC BUILDINGS—DESIGN AND CONSTRUCTION

"Principles of the architectural design of public buildings." Reviewed by I. A. Delopolski. Stroi. i arkhit. Mosk. 11 (i. o. 12) no. 4:35 Ap '63.

PUBLIC HEALTH

(see also subdivision under Africa; Asia; Chuvashia; Kuybyshev Province; Leningrad; Omsk Province; Otradnyy; Tatar A. S. S. R.; Tomsk Province; Ukraine; Ural Mountain region; Yaroslavl)

"All-Union scientific congresses of physicians and their importance in the practice of Soviet public health service" by M. I. Barukova. Reviewed by N. P. Fedotov. Sov. zdrav. 22 no. 4:89-91 '63.

Basic results of the work of the R. S. F. S. R. public health organs and institutions at the beginning of 1962. V. N. Ivakina. Zdrav. Ros. Feder. 6 no. 10:43-47 O '62.

Civic councils in medical institutions. V. F. Shpnev. Vrach. delo no. 3:121-122 Mr '63.

Immediate tasks dealing with the history of medicine and public health. B. D. Petrov. Sov. zdrav. 22 no. 4:3-8 '63.

The new program of the CPSU is the most important contribution to the future development of Soviet public health. M. A. Ibragimov. Azerb. med. zhur. no. 2:3-9 F '62.

Our main task is the realization of party and government decisions on public health development. S. I. Chikin. Sov. med. 26 no. 1:3-5 Ja '63.

"Russian intelligentsia and problems of social hygiene; first hygienic society in Russia" by E. I. Lotova. Reviewed by E. M. Barkman. Zdrav. Ros. Feder. 7 no. 2:41-42 F '63.

Soviet public health today and tomorrow. Med. sestra 21 no. 10:3-7 O '62.

PUBLIC HEALTH—BIBLIOGRAPHY see Bibliography—Public health

PUBLIC HEALTH, RURAL

(see also subdivision under Voronezh Province)

Kant, V. I. [Method for determining the norms of a rural population's needs for clinical and preventive medical aid] Metodika opredeleniya normativov potrebnosti sel'skogo naseleniya v lechenie-profilakticheskoj pomoschi. 1960. 118 p. (DNLM)

Major problems of the organization of sanitary epidemiological care in enlarged districts. B. D. Petekov. Zdrav. Ros. Feder. 7 no. 4:3-6 Ap '63.

Organization of public health in enlarged rural districts. A. M. Sychev. Zdrav. Ros. Feder. 7 no. 4:8-10 Ap '63.

Results of prophylactic care of children under rural conditions. M. A. Gageeva. Med. sestra 21 no. 10: 18-21 O '62.

Rural public health at a new stage. D. Nilazkulov. Zdrav. Turk. 7 no. 2:3-5 F '63.

Some methodological problems in studying public health service and the health of the population in a rural area. L. A. Brushlinskaja. Zdrav. Ros. Feder. 7 no. 4:41-44 Ap '63.

Some problems of the management of public health in rural districts. I. P. Furmenko. Zdrav. Ros. Feder. 7 no. 4:11-12 Ap '63.

Work practices in public health establishments in an enlarged rural district. O. E. Chernetskii. Zdrav. Ros. Feder. 7 no. 4:10-11 Ap '63.

PUBLIC HEALTH LABORATORIES—STANDARDS

At the Ministry of Health of the U.S.S.R. Standartizatsiya 27 no. 4:57 Ap '63.

PUBLIC INSTITUTIONS—AUDITING AND INSPECTION

"Report analysis of a public institution" by P. F. Fingeev. Reviewed by R. Lokhina. Fin. SSSR 37 no. 4:84-85 Ap '63.

PUBLIC OPINION

(see also subdivision under Great Britain; United States)

Attitude of Soviet youth toward the noncommunist world. Martin Shiger. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 38/39:82-90 O-N '62.

Present-day Soviet youth and the problem of public opinion. S. S. Vorontsya. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 38/39:75-81 O-N '62.

PUBLIC PROSECUTORS

(see also subdivision under Chechen-Ingush A. S. S. R.; Estonia; Ukraine)

How public prosecutors supervise the observance of laws. Sots. zakon. 39 no. 7:82-86 Jl '62.

Let us provide the public prosecutors of cities and districts with the card catalogs of basic legislative enactments. F. Gorlak. Sots. zakon. 39 no. 7:58-60 Jl '62.

Public prosecutors should improve their supervision of the enterprises of the petroleum industry. M. Panho. Rad. pravo no. 1:71-73 [Ja-F] '63.

PUBLIC PROSECUTORS—EDUCATION AND TRAINING

How to improve the teaching of "public prosecution" in the institutions of higher education. A. Pallasvili. Sots. zakon. 39 no. 7:42-43 Jl '62.

PUBLISHERS AND PUBLISHING

Open letter to workers in publishing houses. Sov. knizh. torg. 14 no. 4:17 Ap '63.

PUBLISHING OF PERIODICALS see Periodicals, Publishing of

PUCHEZH—COUNTERFEITS AND COUNTERFITTING

His last trial. A. Zharkin. Sots. zakon. 39 no. 7:65-66 Jl '62.

PUDOVKIN, VSEVOLOD ILLARIONOVICH, 1893-1953

Seventieth anniversary of V. I. Pudovkin's birth. Tamara Lisitsian. Isk. kino 33 no. 3:96 '63.

PUGACHEV REBELLION

Kinzia Arslanov, an outstanding associate of Pugachev. A. N. Usmanov. Ist. zap. no. 71:113-133 '62.

PUGACHEVO (BREST PROVINCE)—TAILORING

Is it an ordinary village? M. Pinchuk. Rab. i stal. 39 no. 2:4-5 F '63.

PUKHOVICH DISTRICT—WOMEN IN AGRICULTURE

Her busy spring. Ed. Karpachou. Rab. i stal. 39 no. 4: 2-3 Ap '63.

PULMONARY EMPHYSEMA see Emphysema, Pulmonary

PULSE

Clinical significance of the rate of pulse wave spreading. S. M. Markuze. Kaz. med. zhur. no. 5:18-20 S-O '62.

PULSE CIRCUITS

Classification and concise description of the characteristics of arc quenching networks. N. P. Truskalov. Vest. sviaz. 23 no. 4:8-10 Ap '63.

Integrating four-terminal network in an a. c. regulatory stage. N. P. Vlasov. Trudy GFI 18 no. 5:5-11 '60.

Single-phase transistor converter circuit. Sh. I. Lutidze, A. V. Misiulin. Elektroenergetika no. 6:73-81 '62.

PULSE TECHNIQUES (ELECTRONICS)

Apparatus for recording pulses from a large number of ionization chambers. V. I. Sokolnikov, E. V. Subboin, V. I. Iakovlev. Prib. i tekhn. eksp. 8 no. 2:86-80 Mr-Apr '63.

Electronic transducer of pulses with one second duration. N. M. Abramov. Vest. sviaz. 23 no. 4:7-8 Ap '63.

Krivoshchev, M. I. [Methods for evaluating and measuring linear and nonlinear distortions in a video channel] Spособy otsenki i izmereniya lineinykh i nelineinykh iskazhenii, voznikayushchikh v videokanalakh i lektsiya dlya studentov-zaochnikov. Moskva, Redaktsionnyi otdel VZES, 1961. 95 p.

Law governing the distribution of the thresholds of code impulses. A. N. Zelig. Elektrosvyaz' 17 no. 3:50-57 Mr '63.

Measuring instrument for determining the phase velocity of a surface wave. IU. V. Kuznetsov. Izv. vys. ucheb. zav. i prib. 6 no. 2:3-8 '63.

Motion equations of optimizing sampled-data control systems with constant repetition rate. IU. S. Popkov. Avtom. i telem. 24 no. 4:472-481 Ap '63.

Pulse formation in a variable load. V. L. Auslander, O. G. Il'in, A. M. Shenderovich. Prib. i tekhn. eksp. 8 no. 2:173-174 Mr-Apr '63.

Study of an inductive parametron [with summary in English]. IU. N. Efimov. Avtom. i telem. 24 no. 4:563-572 Ap '63.

Twelve-channel pulse height analyzer. B. Maly, V. S. Pantuev, M. N. Khachatryan. Prib. i tekhn. eksp. 8 no. 2:73-75 Mr-Apr '63.

A universal method for measuring the nonlinearity of impulse devices. Radiotekhnika 18 no. 2:62-60 F '63.

PUMPELLYTE see subdivision under Baymak District

PUMPING MACHINERY

Device for controlling the load on the electric motor of the peat pump. A. N. Emel'yanov. Torf, prom. 40 no. 3:35-36 '63.

Generalized experimental relationships for calculating doubled direct-acting steam pumps. K. E. Chueshko. Trudy MFT no. 139:271-272 '61.

Graphic methods for solving complex diagrams for the parallel operation of centrifugal pumps. A. A. Mochul'skii. Sudostroenie 29 no. 4:16-19 Ap '63.

Improved method for statistical balancing of the rotor wheels of hydraulic turbines and centrifugal pumps. N. P. Polushkin. Energetik 11 no. 3:1-4 Mr '63.

Karelin, V. I. A. [Cavitation phenomena in centrifugal and axial-flow pumps] Kavitatsionnye yavleniya v tsentrobzhenykh i osesnykh nasosakh. Moskva, Mashgiz, 1963. 255 p.

Krylov, A. V. [Single-screw pumps] Odnovintovyye nasosy. Moskva, Gostoptekhtizdat, 1962. 153 p.

Lipovetskii, M. A. [Concrete pumps and their use in hydraulic engineering construction] Betononasosy i ikh primeneniye v gidroenergeticheskoy stroitel'stve. Moskva, Gosenergoizdat, 1963. 182 p.

Prospects for the use of vacuum steam-ejector pumps in metallurgy. A. B. Tsel'din. Stal' 23 no. 4:374-377 Ap '63.

Use of a steam ejector pipe for the vacuum treatment of steel in the ladle. G. K. Petukhov, V. S. Sorokin. Stal' 23 no. 4:377-378 Ap '63.

PUMPING MACHINERY—MAINTENANCE AND REPAIR

The pump works! L. Daktyn'sh, A. Khokhlov. Sel. mekh. no. 1:20 Ja '63.

PUMPING MACHINERY, ELECTRIC

Device for indicating the shift of the axle of feed pump rotors. A. P. Kalinichenko. *Energetik* 11 no. 3:11-14 Mr '63.
ERN-200 electric fish pumping unit. Ryb. khoz. 39 no. 4:93-94 '63.

PUMPING STATIONS

(see also subdivision under Uzbekistan)
Automatic regulator for pumping stations. I. Sh. Sumetskiy, A. I. A. Ivanenko. *Gor. zhur.* no. 4:75-76 Ap '63.
Coordination conference on the design of drainage and irrigation pumping stations. I. K. Kulikova, A. L. Polovets. *Gidr. i mel.* 15 no. 3:58-60 Mr '63.
New movable diesel pumping stations. N. I. Rabinovich. *Gidr. i mel.* 15 no. 2:14-19 F '63.

PUNCHING MACHINERY—ELECTRIC EQUIPMENT

Stokolov, V. E. [Design and installation of the electrical equipment of forging and pressing machines] *Proektirovanie i montazh elektrooborudovaniya kuznechno-pressovyykh mashin.* Moskva, Mashgiz, 1962, 382 p.

PUNCTURES (MEDICINE)

Successful application of clasternal puncture in cystic arachnitis of the posterior cranial fossa. L. I. A. Lifshits. *Kaz. med. zhur.* no. 5:58-59 S-O '62.

PUNISHMENT

Execution of sentences according to the new criminal procedure code of the Ukrainian S. S. R. H. Nachornyi. *Rad. pravo* no. 3:69-74 My-Je '62.

PUPPETS AND PUPPET PLAYS

Puppet theater; one of the ways to a child's inner world. Juan Enrique Acuna. *Zhen. mira* no. 3:9-11, 14 '63.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837

Discussions on the "Bronze horseman." A. M. Gurevich. *Nauch. dokl. vys. shkoly; filol. nauki* no. 1:133-139 '63.
From the editors. *Vop. lit.* 7 no. 2:132-134 F '63.
On the Academy publication of Pushkin's works. S. Bondi. *Vop. lit.* 7 no. 2:123-132 F '63.

PUSHKIN, ALEKSANDR SERGEEVICH, 1799-1837—

DRAMA
Beginning of Pushkin's fate. I. Sel'vinskii. *Teatr* 24 no. 3:32-34 Mr '63.

PYALOZERO HYDROELECTRIC POWER STATION—HYDRAULIC ENGINEERING

Creating the tailrace canal of a hydroelectric power station by washing it out with a natural flow. M. I. Syroezhin. *Gidr. i mel.* 33 no. 2:28-31 F '63.

PYGAERA

Pygaera anachoreta. F. as a dangerous pest of landscape plantations. I. A. K. Gishitskii. *Zashch. rast. ot vred. i bol.* 6 no. 11:13 N '61.

PYRAZOLE

Synthesis of polypyrazoles. V. V. Korshak and others. *Dokl. AN SSSR* 140 no. 3:602-605 Mr '63.

PYRIDINE

Copolymerization of 2-methyl-5-vinylpyridine with triethylene glycol dimethacrylate [with summary in English]. A. B. Davankov, L. B. Zubakova. *Vysokom. soed.* 5 no. 3:308-315 Mr '63.
Polymerization of pyridine. V. P. Kovaleva and others. *Izv. AN SSSR, Otd. khim. nauk* no. 2:387 F '63.
Reaction kinetics of platinum nitrohalotetrammines with ammonia and pyridine. O. E. Zviagintsev, E. F. Shubochkina. *Zhur. neorg. khim.* 8 no. 3:590-596 Mr '63.
Reversibility of the polarographic catalytic waves of hydrogen in pyridine solutions. G. A. Todoradze, S. G. Malinovskii. *Izv. AN SSSR, Otd. khim. nauk* no. 3:577 Mr '63.
Solubility of sodium borohydride in pyridine. V. I. Mikhoeva, L. V. Titov. *Dokl. AN SSSR* 140 no. 3:608-610 Mr '63.
Synthesis of graft copolymers of acrylonitrile and 2-methyl-5-vinylpyridine. I. U. G. Kriazhev, Z. A. Rogovin. *Zhur. V KHO* 8 no. 1:118-119 '63.
Vinylpyridines and the polymers derived from them. A. K. Sheinkman, B. A. Rozenberg, A. A. Artyanov. *Khim. prom.* no. 3:181-187 Mr '63.

PYRIDOXINE

Content of vitamins B₆ and B₁₂ in the blood serum in alveolar pyorrhea before and after treatment. A. N. Iaroshenko. *Stomatologiya* 41 no. 5:9-11 S-O '62.
Use of vitamin B₆ in some diseases of the peripheral nervous system. A. A. Iarosh. *Sov. med.* 26 no. 1:139-141 Ja '63.

PYRIMIDINE

Using phosphorus tribromide in the synthesis of pyrimidine bases. V. D. Davydov. *Izv. AN SSSR, Otd. khim. nauk* no. 3:571-572 Mr '63.

PYRITE CRYSTALS

Striation on pyrite crystal faces due to oscillatory combinations and its importance in the determination of crystallization conditions. Ch. D. Dzharov. *Izv. AN Azerb. SSR, Ser. geol.-geog. nauk i nefi* no. 6:93-104 '62.

PYRITES

Blasting techniques for pyrite mines subject to sulfide dust explosions. V. A. Zakharov, E. I. Cherniavskii. *Bezop. truda v prom.* 6 no. 8:23-26 Ag '62.
Flotation of pyrite with the use of smoke gases. L. D. Kisliakov, V. A. Bocharov, G. I. Arzhannikov. *TSvet. met.* 36 no. 4:22-28 Ap '63.

PYROCATECHOL

Extraction of pyrocatechol from settled gas producer wood tar by means of its washing and obtaining of tar oils and phenols from the washed tar. L. V. Gordon and others. *Sbor. trud. TSNILKHI* no. 14:26-31 '61.

PYROLYSIS

Aliev, V. S. [Thermocatalytic pyrolysis of crude oil] *Termokatalitnyi piroliz neflianogo syr'ya.* Baku, Azerneshr, 1962, 223 p.
Chromatographic analysis of a stock and of pyrolysis products in a flow. I. U. I. Arutunov and others. *Khim. i tekhn. topl. i mass* 8 no. 3:43-47 Mr '63.

PYROPE see subdivision under Krasnoyarsk Territory

PYROPHOSPHATASES

Pyrophosphatase of animal tissues. B. L. Rubenchyk. *Visnyk Kyiv. un.* no. 1. Ser. biol. no. 2:103-108 '58.

PYROPHOSPHORIC ACID

New extraction-photometric method for the determination of titanium. Report No. 2: Stabilization of titanium-pyrophosphoric ether. Determination of titanium in solutions of various composition [with summary in English]. I. U. B. Kletenik. *Zhur. anal. khim.* 18 no. 1:66-70 Ja '63.

PYROXENES see subdivision under Kustanay Province

PYRRHOTITE—ANALYSIS

Interrelation of nickel and pyrrhotite in sulfide copper-nickel ores. N. N. Maslennitskii, E. T. Leonchenkova. *Obog. rud* 7 no. 2:21-23 '62.

PYRROLE

Catalytic transformation of amines of the furan series to pyrrole homologs. N. I. Shuklin, I. F. Bel'skii, G. E. Skobtsova. *Izv. AN SSSR, Otd. khim. nauk* no. 2:378-380 F '63.

PYRROLIDINONE—ABSORPTION SPECTRA

Changes in the absorption spectra of aqueous solutions of isodoplyvinylpyrrolidinone and isodoplyvinyl alcohol in the process of their dialysis. V. O. Mokhnach, I. P. Zueva. *Zhur. neorg. khim.* 8 no. 3:608-611 Mr '63.

PYRUVIC ACID

Serine synthesis from hydroxypyruvic acid in live plants. V. L. Kretovich, K. M. Stepanovich. *Dokl. AN SSSR* 140 no. 4:839-840 F '63.

Q FEVER see subdivision under Turkmenistan

QUADRATIC FORMS see Forms, Quadratic

QUALITY CONTROL

Measures for improving production quality control. K. M. Kryukin. *Standartizatsiya* 27 no. 2:54-55 F '63.
Orlov, I. A. L. [For the best products in the world] *Za luchshuyu v mire produktivnost'.* Moskva, Izd-vo "Znanie," 1963, 46 p. (Novoe v zhizni, nauka, tekhnika, III Seriya; Ekonomika, no. 8)
Production quality control. D. I. Mogilevskii. *Standartizatsiya* 27 no. 4:41-42 Ap '63.
Recommended status for the Main Inspection of Industrial Production Quality attached to the chairman of Economic Councils of Union republics (Supreme Council of the National Economy, Ukrainian Economic Council, Kazakhstani Economic Council. *Standartizatsiya* 27 no. 2:55-57 F '63.
Recommended statutes for the inspection of industrial production quality attached to economic councils. *Standartizatsiya* 27 no. 2:57-58 F '63.
Recommended statutes for the inspection of industrial production quality attached to local industry management agency of Union republics. *Standartizatsiya* 27 no. 2:59-60 F '63.

QUANTUM ELECTRODYNAMICS

Quantum beats of resonance luminescence following excitation by modulated light. E. B. Aleksandrov. *Opt. i spekt.* 14 no. 3:430-438 Mr '63.
Strong interactions of elementary particles at high energies. V. N. Gribov. *Vest. AN SSSR* 33 no. 4:3-8 Ap '63.

QUANTUM FIELD THEORY

Analytic expressions for the upper limits of coupling constants in quantum field theory [with summary in English]. N. N. Meiman. *Zhur. eksp. i teor. fiz.* 44 no. 4:1228-1238 Ap '63.

Invariant charge and Regge asymptotic behavior. D. V. Shirkov. *Dokl. AN SSSR* 148 no. 4:814-817 F '63.

Limiting the magnitude of coupling constants in quantum field theory. Part 1 [with summary in English]. B. V. Geshkenbein, B. L. Ioffe. *Zhur. eksp. i teor. fiz.* 44 no. 4:1211-1227 Ap '63.

Regge poles in quantum field theory [with summary in English]. I. U. M. Maluta. *Zhur. eksp. i teor. fiz.* 44 no. 4:1317-1319 Ap '63.

QUANTUM STATISTICS

Kinetic equation of a nonideal Fermi-system. I. B. Aleksandrov, I. U. A. Kukharov, A. B. Nukkanen. *Dokl. AN SSSR* 149 no. 3:557-560 Mr '63.

QUANTUM THEORY

Angular correlation of successively emitted gamma rays due to the 440-337 Kov. transition in the Sm¹⁵⁰ nucleus [with summary in English]. V. Cofocaru, M. Petrasca. *Zhur. eksp. i teor. fiz.* 44 no. 4:1141-1143 Ap '63.

Approximate calculation of the probabilities of dipole transitions. The lithium atom. S. I. Vetchinkin. *Opt. i spekt.* 14 no. 3:317-321 Mr '63.

Contradictory nature of movement and the problems of quantum mechanics [with summary in English]. I. P. Bazarov. *Vop. fiz.* 17 no. 4:112-123 '62.

Determining the electron transition moments of the Schumann-Runge band system in oxygen. Part 1. N. I. Krindach and others. *Opt. i spekt.* 14 no. 3:351-361 Mr '63.

Effect of spin-phonon interaction on one-quantum scattering of slow neutrons in ferrites. V. N. Kashechev. *Fiz. tver. tela* 5 no. 3:908-920 Mr '63.

Faddeev, L. D. [Mathematical problems in the quantum theory of scattering for a system of three particles] *Matematicheskie voprosy kvantovoi teorii rasselaniya dlya statyey trekh chastykh.* Moskva, Izd-vo Akad. nauk SSSR, 1963, 119 p. (Akademiya nauk SSSR, Matem. matem. institut. Trudy, no. 69)

Measurement of the gyromagnetic ratio for the W¹⁸² nucleus in the first excited state [with summary in English]. V. A. Kilucharov and others. *Zhur. eksp. i teor. fiz.* 44 no. 4:1136-1140 Ap '63.

Method of Green's functions in the theory of ferromagnetism. I. U. A. Izumov. *Fiz. tver. tela* 5 no. 3:717-723 Mr '63.

Nonlinear effects in the electrodynamics of a transparent medium [with summary in English]. V. I. Karpman. *Zhur. eksp. i teor. fiz.* 44 no. 4:1597-1616 Ap '63.

Potential barrier of nonradiative molecular transitions in the gaseous phase. V. A. Tolmachev, N. A. Borisovich. *Opt. i spekt.* 14 no. 3:430-433 Mr '63.

Temperature dependence of spin-lattice relaxation time of F⁺ centers in KCl. A. A. Bugai. *Fiz. tver. tela* 5 no. 3:955-957 Mr '63.

Temperature dependence of the activation energy of the second and third levels of copper in germanium. I. U. L. Ivanov. *Fiz. tver. tela* 6 no. 4:1217-1218 Ap '63.

Temperature effect on the quantum yield of the luminescence of vapors of organic compounds. V. P. Klovchev. *Izv. AN SSSR, Ser. fiz.* 27 no. 4:570-575 Ap '63.

Transfer of electron excitation energy in viscous solutions of organic substances. I. A. Andreevich and others. *Izv. AN SSSR, Ser. fiz.* 27 no. 4:533-539 Ap '63.

Width of the forbidden zone in the compound InP_xAs_{1-x} as dependent on its composition. G. B. Dubrovskii. *Fiz. tver. tela* 5 no. 3:954-955 Mr '63.

QUARTZ

(see also subdivision under Gissar Range; Siberia; Ural Mountains)

Change in the structure of amorphous quartz following its annealing in hydrogen. I. E. Balygin. *Kristallografiya* 7 no. 6:922-925 N-D '62.

Cleaning quartz of impurities by electrostatic separation. N. M. Kurukhovich, F. L. Saif'nikov. *Obog. rud* 7 no. 2:18-20 '62.

Spin-lattice relaxation in neutron-irradiated quartz. I. A. L. Shamsarov, T. A. Smirnova. *Fiz. tver. tela* 5 no. 4:1046-1049 Ap '63.

QUEEN MAUD LAND—MIRABILITE

Find of mirabilite. B. Revnov. *Inform. biul. Sov. antark. eksp.* no. 37:51 '62.

QUINACRINE

Treatment of the initial stage of cutaneous leishmaniasis by acricidine injections and recurrent cases of the disease. I. A. Davydov. *Vop. kraev. paraz. Turk. SSR* 3:99-102 '62.

QUINOLINOL

Complexometric determination of copper in alloys in the presence of 7-(2-pyridylazo)-8-hydroxyquinoline [with summary in English]. A. I. Busev, V. M. Ivanov, L. L. Talipova. *Zhur. anal. khim.* 18 no. 1:35-36 Ja '63.

Determination of neodymium by radiometric titration with halo derivatives of 8-hydroxyquinoline [with summary in English]. B. M. Mart'ianov, V. V. Serebrennikov. *Zhur. anal. khim.* 18 no. 1:58-60 Ja '63.

QUOTATIONS

[The world of wise thoughts] V. mire mudrykh myslei. [Moskva] Izd-vo "Znanie," [1962] 360 p.

RABELAIS, FRANÇOIS, 1490 (ca.)-1553?

François Rabelais, Doctor of Medicine. M. N. Pototskii. *Sov. zdrav.* 22 no. 4:75-82 '63.

RABIES—PREVENTIVE INOCULATION

Means of improvement of vaccine prophylaxis for rabies [with summary in English]. R. M. Tuisheva. *Vop. virus.* 7 no. 6:680-683 N-D '62.

RACHMANINOFF, SERGEI, 1873-1943

"A contribution from a Russian." IU. Kolesnychenko. Ukraina no. 7:21 Ap '63.

Rachmaninoff's April. E. Stepanova. Ogonek 41 no. 14: 30 Mr '63.

RACHMANINOFF, SERGEI, 1873-1943—BIBLIOGRAPHY see Bibliography—Rachmaninoff, Sergol, 1873-1943

RADAR

Ulin, N.G., and V.F. Rialkov. [Radar in antiaircraft defense] Radiolokatsionnye sredstva protivovozdushnoi oborony. Moskva, Izd-vo DOSAAF, 1962. 146 p.

RADAR IN ASTRONOMY

Processing radar observations of meteor echoes. V.P. Tsevevich. Izv. Astron. obser. 5 no. 1:9-23 '69.

RADCHENKO, KLAVDIYA

Ukrainian songstresses. A. Shol'p. Sov. muz. 27 no. 1:81-84 Ja '63.

RADIATION

Absorption, emission, and scattering as dependent on the power of the incident radiation. P.A. Annasovich. Izv. AN SSSR, Ser. fiz. 27 no. 4:492-496 Ap '63.

Effect of coatings on the radiation intensity of a plane-parallel layer under conditions of generation. B.I. Stalapanov, IU. I. Chakalinskii. Vestnik AN BSSR, Ser. fiz.-tekhn. nav. no. 1:40-51 '63.

Effect of noises on the generation of radiation from a finite plane-parallel layer. B.I. Stalapanov, A.M. Sem-nov, IU. I. Chakalinskii. Izv. AN SSSR, Ser. fiz. 27 no. 4:488-491 Ap '63.

Effect of the characteristics of a substance on the prop-erties of the radiation generated by it. B.I. Stalapanov, A.M. Semenov, V.P. Gribkovskii. Izv. AN SSSR, Ser. fiz. 27 no. 4:473-476 Ap '63.

Generation of radiation by a system of plane-parallel layers. A.P. Khapalluk. Izv. AN SSSR, Ser. fiz. 27 no. 4:477-482 Ap '63.

Long-lived radicles formed in the γ -irradiation of cellu-lose [with summary in English]. V.N. Makatun, A.K. Potapovich, I.N. Ermolenko. Vysokom. soed. 5 no. 3: 467-469 Mr '63.

Radiation-induced polymerization of neoprene derivatives [with summary in English]. I.M. Barkov and others. Vysokom. soed. 5 no. 3:373-377 Mr '63.

RADIATION—DOSAGE

Effect of irradiation conditions on the radiolysis of carbohydrate solutions. S.V. Starodubtsev, V.V. Generalova, G.V. Poliak. Izv. AN Uz. SSR, Ser. fiz. -mat. nauk 7 no. 1:39-45 '63.

Use of some carbohydrates for the dosimetry of neutron mixed, and γ -fields. S.V. Starodubtsev, V.V. Generalova. Izv. AN Uz. SSR, Ser. fiz. -mat. nauk 7 no. 1:46-50 '63.

RADIATION—MEASUREMENT

Measurements of X-ray and ultraviolet radiations by means of thermoluminescent phosphor $\text{CaSO}_4(\text{Mn})$. T.V. Kazachovskii and others. Isk. spnt. Zems. no. 15:71-80 '63.

RADIATION—PHYSIOLOGICAL EFFECT

Melikov, A.N. [Biophysics and animal husbandry] Biologika i zhivotnovodstvo, Moskva, Izd-vo "Znanie," 1963. 28 p. (Novoe v zhizni, nauka, tekhnika, Vseril'sa; Sel'skoe khoziaistvo, no. 7)

Some data on the role of the time factor in the radiation reactions of the central nervous system [with summary in English]. N.N. Livshits and others. Probl. koan. biol. 2:303-313 '62.

Use of live and killed anti-influenza vaccines in irradi-ated animals [with summary in English]. O.P. Potor'-son, I.A. Kozlova. Vop. virus. 7 no. 6:894-897 N-D '62.

RADIATION—SAFETY MEASURES

Action of radiation protectors in whole-body irradiation by high-energy proton [with summary in English]. S.P. Abramonenko and others. Probl. koan. biol. 2:388-392 '62.

RADIATION COUNTERS see Nuclear counters

RADIATION SICKNESS

Some data on the biological effectiveness of 660 Mev. protons [with summary in English]. E.B. Kurilandskaia. Probl. koan. biol. 2:354-358 '62.

Use of naphthalen and a paste made from coniferous needles in treating wounds of soft tissue in irradiated animals. L.I. Abascullova, A.D. Kazarian. Azerb. med. zhur. no. 2:27-34 F '62.

RADIATORS

Heating system composed of large sections. Stroil. i arkhit. Len. 24 no. 12:35 D '62.

RADICALS (CHEMISTRY)

Free radical addition of chloroacetic acid and its methyl ester to α -olefins. G.I. Nikishin, R.I. Mustafae, A.D. Petrov. Izv. AN SSSR. Otd. khim. nauk no. 2:359-364 F '63.

Long-lived radicals formed in the γ -irradiation of cellu-lose [with summary in English]. V.N. Makatun, A.K. Potapovich, I.N. Ermolenko. Vysokom. soed. 5 no. 3: 467-469 Mr '63.

Secondary reactions during free radical polymerization. L.M. Pyrkov, S.I.A. Frenkel'. Usp. khim. 32 no. 3: 305-335 Mr '63.

RADIO

Against the distortion of the history of radio. V.I. Sham-shur. Elektrosviaz' 17 no. 4:70-72 Ap '63.

Choice of a frequency band for intermittent radio com-munication. V.I. Kulla, P.I.A. Nudell'man. Elektrosviaz' 17 no. 5:72-73 My '63.

Conditions for radio communication in high and middle latitudes. E.E. Goncharova, M.V. Kiseleva. Geomag. i aer. 3 no. 1:94-103 Ja-F '63.

Inverted diode as a small signal detector. L.A. Logunov. Radiotekh. i elektron. 8 no. 4:722-723 Ap '63.

Kipena, R. [Radio physics] Radiotekhnika. Riga, Latvi-jas Valsts izdevnieciba, 1962. 281 p. [In Latvian]

[Radio electronics abroad] Zarub. radioelek. no. 4 Ap '63.

Transient processes in a tracking circuit. A.P. Zelenin. Radiotekhnika 18 no. 2:66-69 F '63.

Work of the sections of the A.S. Popov Scientific and Technical Society of Radio and Electronics. N.M. Suda-kov. Elektrosviaz' 17 no. 3:71-72 Mr '63.

RADIO—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekh. i elektrosviaz' no. 5 My '63.

RADIO—ANTENNAS

Antenna for measuring the stray radiation of radio and television receivers in the UHF band. V.N. Malashenko. Elektrosviaz' 17 no. 5:70-72 My '63.

Effect of phase distortions on the efficiency of a surface antenna. V.G. Lampolskii. Radiotekhnika 18 no. 2: 10-14 F '63.

Propagation of plane electromagnetic waves above the earth in the presence of horizontal reradiating lines. IU. A. Erukhinovich. Radiotekhnika 18 no. 2:15-26 F '63.

Towers for radio relay lines with large-surface an-tennas. A. Perell'muter. Prom. stroil. i inzh. soor. 5 no. 2:47-48 Mr-Apr '63.

Vsesoiuznyi zaochnyi elektrotekhnicheskii institut svyazi. [Radiation of center-fed dipoles] Izuchenie simmetrichnykh vibratorov; uchebnoe posobie po kursu "Antenny." Moskva. Pt. 2, ch. 1. 1962. 61 p.

RADIO—BIBLIOGRAPHY see Bibliography—Radio

RADIO—EQUIPMENT AND SUPPLIES

Churubov, D.D. [Design of radio components and as-ssembly units] Konstruirovanie detal' i uzlov radio-apparaty. Moskva, Gosenergoizdat, 1963. 439 p.

Poljakov, K.P. [Equipment frameworks of radio-elec-tronic apparatus] Pribornye korpusa radioelektronnoi apparatury. Moskva, Gosenergoizdat, 1963. 187 p.

Thermal conditions of perforated radio apparatus. G.N. Dul'nov, E.M. Somlashkin. Izv. vys. ucheb. zav.; prib. 6 no. 2:120-136 '63.

RADIO—INSTALLATION ON SHIPS

Radio communications on modern passenger liners. O.P. Dykanov, I.V. Rozova. Biol. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:89-99 '62.

RADIO—INTERFERENCE

(see also subdivision under Antarctic regions)

Antenna for measuring the stray radiation of radio and television receivers in the UHF band. V.N. Malashenko. Elektrosviaz' 17 no. 5:70-72 My '63.

Increase in the interference rejection of AM radio signal reception using nonlinear feedback in the high-frequency section of the receiving devices. A.A. Gorbachev. Radiotekhnika 18 no. 2:37-42 F '63.

Interference caused by partial discharges on the insula-tors of 0.4 - 35 kv. electrical networks. V.V. Sarap-kin. Elektrosviaz' 17 no. 4:81-89 Ap '63.

RADIO—NOISE

Filtration of white noise in precise frequency receivers. P.V. Borshstein. Elektrosviaz' 17 no. 5:13-23 My '63.

RADIO—RECEIVERS AND RECEPTION

Correspondence school of radio electronics; simple re-ciever on "points." R. Varlamov. IU. tekhn. 7 no. 4: 60-62 Ap '63.

Effect of noises on the synchronization channel in the coherent receiver system. V.M. Lisenkov. Vest. TSNI MPS 22 no. 1:38-41 '63.

Filtration of white noise in precise frequency receivers. P.V. Bershteyn. Elektrosviaz' 17 no. 5:15-23 My '63.

Increase in the interference rejection of AM radio signal reception using nonlinear feedback in the high-frequency section of the receiving devices. A.A. Gorbachev. Radiotekhnika 18 no. 2:37-42 F '63.

Simple radio receiver for "fox hunting" competitions. A. Bazilev, I. Ignat'ev. V pom. radiolub. no. 13:3-10 '62.

Special features of optimum reception of an impulse signal during long-distance tropospheric propagation of radio waves. IU. G. Tratas. Radiotekh. i elektron. 8 no. 4:546-551 Ap '63.

"Zvuk" (transistor receiver). IU. tekhn. 7 no. 12:40-44 D '62.

RADIO—TRANSMITTERS AND TRANSMISSION

Teren'tev, B.P., ed. [Radio transmitting devices] Radiopredelushchie ustroystva. Moskva, Svyaz'izdat, 1962. 710 p.

RADIO, MILITARY

Search for new forms of special training of the personnel. V.N. Edidovich. Mor. sbor. 46 no. 5:44-46 My '63.

RADIO AND CHILDREN

Just as for adults but better.... V. Vovk. Sov. radio i tel. 11 no. 11:4-6 N '62.

RADIO ASTRONOMY

Attempt to observe radio emission of Seki-Lines' comet (1962c). N.F. Ryzhkov and others. Astron. tsir. no. 231:8-8 N '62.

First true radio star. IU. N. Efremov. Priroda 52 no. 3:97-98 '63.

Statistical study of solar radio bursts on a frequency of 209 Mc/s [with summary in English]. Sh. S. Makanda-rashvili. Bul. Abast. astrofiz. obser. no. 29:47-50 '62.

What does the pennant lie on. V. Terekhov. Ogonek 41 no. 15:14-15 Ap '63.

RADIO DETECTORS

Elkin, N.A., and L.N. Toshchakov. [Rectification using transistor devices] Detekirovaniye na poluprovodniko-vykh priborakh. Moskva, Svyaz'izdat, 1962. 55 p. (Lektsii po tekhnike svyazi)

Inverted diode as a small signal detector. L.A. Logu-nov. Radiotekh. i elektron. 8 no. 4:722-723 Ap '63.

RADIO DIRECTION FINDERS

Simple radio receiver for "fox hunting" competitions. A. Bazilev, I. Ignat'ev. V pom. radiolub. no. 13:3-10 '62.

RADIO FILTERS

Method for filtering external discrete interference by an automatic phase frequency control system. V.V. Shakhgildian. Elektrosviaz' 17 no. 5:9-14 My '63.

Synthesis of an electric filter with two-link RC-circuits. Ten Nai-d'fun. Elektrosviaz' 17 no. 4:45-52 Ap '63.

Upper frequencies quartz filter using an overlapped T-network. D.A. Borovinskaya, Z.I.A. Gel'mont. Elektrosviaz' 17 no. 5:34-40 My '63.

RADIO IN EDUCATION see subdivision under Kaliningrad

RADIO JOURNALISM

Born in a quest. G. Skorokhodov. Sov. radio i tel. 12 no. 1:6-8 Ja '63.

How an acquaintance began. M. Aleskovskii. Sov. radio i tel. 12 no. 1:24-25 Ja '63.

Radio audience at the microphone. E. Melkian. Sov. pech. no. 3:38-39 Mr '63.

"Rosasyi podviga" ("Great numbers of great deeds"). P. Gurevich. Sov. radio i tel. 12 no. 1:4-5 Ja '63.

Something with a plot. F. Sveshnikov. Sov. pech. no. 3: 34-37 Mr '63.

What happened at night.... G. Mar'asov. Sov. radio i tel. 12 no. 1:8-9 Ja '63.

Without an active group you are as if you had no hands. L. Solotova. Sov. radio i tel. 12 no. 1:10 Ja '63.

RADIO LINES

Calculation of a shielded surface wave transmission line. M.B. Kapunov. Elektrosviaz' 17 no. 4:20-27 Ap '63.

Vsesoiuznyi zaochnyi elektrotekhnicheskii institut svyazi. [Matching of balanced vibrators and transmission lines] Soglasovanie simmetrichnykh vibratorov s fiderom; uchebnoe posobie po kursu "Antenny." Moskva. Pt. 2, ch. 2. 1962. 89 p.

RADIO MEASUREMENTS

An inertial voltmeter subject to the action of a random sequence of impulses. I.A. Fasilovskii. Radiotekhnika 18 no. 2:70-80 F '63.

A universal method for measuring the nonlinearity of im-pulse devices. Radiotekhnika 18 no. 2:52-60 F '63.

RADIO PLAYS

On the threshold of theatrical immortality. IU. Allanskii. Sov. radio i tel. 11 no. 11:13-15 N '62.

RADIO PLAYS—TECHNIQUE

Actor's paradoxes. B. Korsunskii. Sov. radio i tel. 12 no. 1:26-27 Ja '63.

RADIO PLAYS WITH MUSIC

"Child and enchantment." I. Nest'ev. Sov. muz. 27 no. 4:92-94 Ap '63.

RADIO RELAY SYSTEMS

Babaev, N.T., and V.V. Kulikov. [Use of radio relay lines and microwave radio communication in electric power systems] Primenenie radioreleinykh lini i UKV radiosv'yazi v energosistemakh. Pod obshchei red. V.V. Kulikova. Moskva, Gosenergoizdat, 1963. 175 p.

Concerning a certain method for decreasing transient noises in multiple-beam communication channels trans-mitting FM signals. A.S. Nemirovskii. Elektrosviaz' 17 no. 5:24-25 My '63.

Some probability characteristics of a telephone signal with a difference envelope. V.I. Aizenberg, L.I. Blaiyl. Elektrosviaz' 17 no. 3:3-7 Mr '63.

Towers for radio relay lines with large-surface an-tennas. A. Perell'muter. Prom. stroil. i inzh. soor. 5 no. 2:47-48 Mr-Apr '63.

RADIO RESEARCH

Radio circuit in a crystal. IU, Germanov. IUn, tekhn. 7 no. 2:33-37 F '63.

RADIO STATIONS—STANDARDS

"Radio transmitting and receiving stations. Standards for design." Biul. stroi. tekhn. 20 no. 3:21 Mr '63.

RADIO WAVE PROPAGATION IN THE IONOSPHERE

see Ionospheric radio wave propagation

RADIO WAVES

Autocorrelation characteristics of phase difference fluctuations. A. V. Men'. Radiotekhnika 18 no. 2:27-36 F '63.

Directed coherent radiation due to breakdown near the track of an ionizing particle [with summary in English]. G. A. Asker'ian. Zhur. eksp. i teor. fiz. 44 no. 4:1337-1339 Ap '63.

Experimental study of surface impedances in the band 1.5 to 10 Mc. V. M. Rysakov, V. S. Andreev. Probl. dif. i raspr. voln 2:212-218 '62.

Fate of the "forgotten" radio waves. V. Ivanitskii. IUn, tekhn. 7 no. 12:49-52 D '62.

Grudinskaya, G. P. [Propagation of radio waves] Rasprostraneniye radiovoln; konspekt lektsii dlia vechernego otdeleniia radiotekhnicheskogo fakul'teta. Red. E. N. Vasil'ev. Moskva, Mosk. energeticheskii in-t, 1961, 159 p.

[MICROFILM]

Propagation of a radio pulse over a stratified spherical earth. E. M. Giumninen, S. T. Rybachek. Probl. dif. i raspr. voln 2:144-157 '62.

Scattering of waves on random inhomogeneities of a medium with a variable refractive index. V. V. Borisov, V. N. Krasnitskov. Probl. dif. i raspr. voln 2:102-110 '62.

Spatial correlation functions of amplitude fluctuation during scattered reflection from layers. A. A. Shur. Elektrosv'az' 17 no. 5:27-33 My '63.

RADIOACTIVE SUBSTANCES

Applied radiation ecology. Priroda 52 no. 4:113 '63.

Birth of microworlds. B. Styro. IUn, tekhn. 7 no. 12: 9 of insert - 34 D '62.

Structure of radioactive deposits. V. V. Gromov. Dokl. AN SSSR 149 no. 3:626-628 Mr '63.

RADIOACTIVE TRACERS

Study of the interrelationship of clinker components and refractories using radioactive tracers. E. I. Morozov. Trudy Giprosement no. 24:103-118 '62.

Using the method of radioactive tracers for determining the speed of material displacement in conveying worms. S. I. Brit', G. A. Kishin. Vest. mashinost. 43 no. 4: 30-31 Ap '63.

RADIOACTIVITY

Effect of the radioactivity of molybdenic anhydride on the variation of its specific surface area. I. E. Zimakov, N. P. Dobrosel'skaya, Vikt. I. Spitsayn. Dokl. AN SSSR 148 no. 4:884-885 F '63.

Estulin, L. V. [Radioactive radiations] Radioaktivnye izlucheniia. Moskva, Fizmatgiz. (Praktikum po iadnoi fizike) No. 1. 1962, 280 p.

Makarenko, A. A. [D. I. Mendelev on the radioactivity and complexity of the elements] Mendelev o radioaktivnosti i slozhnosti elementov. Moskva, Gosatomizdat, 1963, 64 p. (Nauchno-popularnaia biblioteka Gosatomizdata)

RADIOACTIVITY—EXPERIMENTS

Experiments with an indicator of ionizing radiations. V. I. Maslovskii. Fiz. v shkole 23 no. 1:49-50 Ja-F '63.

RADIOACTIVITY—MEASUREMENT

(see also subdivision under Krasnoye Lake region, Leningrad Province)

Absolute activity measurement by the coincidence method in the case when several identical particles are generated in each decay event. I. S. Panasiuk. Prib. i tekhn. eksp. 6 no. 2:66-68 Mr-Ap '63.

RADIOARGON DATING

Geological interpretation of data obtained by the argon method of determining the absolute age of rocks [with summary in English]. L. I. Salop. Geol. i geofiz. no. 1:3-21 '63.

RADIOBIOLOGY

Hereditary variability of viruses and bacteriophages under the action of radiation and chemical agents. A. S. Krivitskii. Zhur. VKHO 8 no. 1:68-81 '63.

Kuzin, A. M. [Radiation biochemistry] Radiatsionnaia biokhimiia. Moskva, Izd-vo Akad. nauk SSSR, 1962, 333 p.

RADIOBIOLOGY—LABORATORY MANUALS

[Laboratory work in general biophysics in eight volumes] Praktikum po obshchei biofizike v vos'mi vypuskakh. Pod obshch. red. B. N. Tarusova. Moskva, Vysshaya shkola.

No. 7. Kudriashov, I. B. [Radiobiology; radiation injury of biological objects under the effect of a single whole body X-ray or gamma irradiation] Radiobiologiya i luchevoe porazhenie biologicheskikh ob'ektov pri deistvii obshchego odnokratnogo rentgenovskogo ili gamma-oblucheniia. 1962, 273 p.

RADIOBROADCASTING

(see also subdivision under Chechen-Ingush A. S. S. R.; Italy; White Russia)

And if there is a failure?.. A. Muzyria. Sov. radio i tel. 11 no. 11:2-4 N '62.

Get acquainted with Radio Station "I'nost'." Dm. Sitnikov. Sov. radio i tel. 12 no. 1:12-13 Ja '63.

Important unit. Sov. radio i tel. 12 no. 1:1 Ja '63. Long live our heroes! V. Sokolovskaya. Sov. radio i tel. 11 no. 11:1-3 N '62.

Not a single stereotyped phrase. A. Dzhalakava. Sov. radio i tel. 11 no. 11:9-11 N '62.

RADIOCARBON DATING

see subdivision under Europe

RADIOCHEMISTRY

Chemistry at a new stage. I. M. Kuleshov. Khim. v shkole 18 no. 2:3-10 Mr-Ap '63.

RADIOGRAPHY

Shujutko, L. I. [Problems of clinical X-ray diagnosis of closed fractures of tubular bones] Voprosy kliniko-rontgenologicheskoi diagnostiki zakrytykh porolomov trubchatykh kostei. Kazan', Kazanskii gos. in-t usoversheniistvovania vrachei, 1960, 106 p. illus. (DNLM)

Study of cadmium diffusion in indium antimonide by the method of layer-by-layer autoradiography. B. I. Boltaks, V. I. Sokolov. Fiz. tver. tela 5 no. 4:1077-1081 Ap '63.

RADIOISOTOPES

A conference on radioisotopes in hydrobiology and the methodology of sanitary hydrobiology held at Leningrad. V. I. Zhadin. Vest. AN SSSR 33 no. 4:111-112 Ap '63. Use of radioisotopes in studying the saturated vapors of certain semiconductors. M. G. Shakhmatovskii. Trudy Inst. fiz. AN Azerb. SSR 11:52-107 '63.

RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Investigating by means of radioactive isotopes the time length of materials remaining and being mixed in continuous-action autoclave batteries in alumina plants. E. Buldoshko, A. Imre, L. Tot. TSvet. met. 36 no. 4: 50-55 Ap '63.

Moscow, Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Use of radioisotope methods for control in the food industry] Radioizotopnye metody kontrolya v pishchevoi promyshlennosti. Moskva, 1962, 48 p.

[MICROFILM]

"Use of radioisotopes in hydraulic engineering construction" by M. P. Belikov, V. A. Emei'ianov, V. E. Neaterov. Reviewed by S. I. A. Vartazarov. Gidr. stroi. 33 no. 2: 60 F '63.

Using the radioisotope method to study the abrasive character of rocks. M. I. Smorodnov. Sbor. trud. MISI no. 39:466-467 '61.

Vsesoiuznyi seminar po primeneniiu radioaktivnykh izotopov v izmeritel'noi tekhnike i pri borostroenii. Frunze, 1961. [Radioisotope techniques in automatic control] Radioizotopnye metody avtomaticheskogo kontrolya; trudy raashirenno go soveshchaniia... Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, Vol. 2, 1962, 236 p.

RADIOISOTOPES—SAFETY MEASURES

Study of the safety factor in using the radioactive method to classify the operation of breaking and drilling hammers. N. V. Vasil'chikov. Nauch. soob. IG D 11:120-131 '61.

RADIOMETRY

Determination of neodymium by radiometric titration with halo derivatives of 8-hydroxyquinoline [with summary in English]. B. M. Mar'ianov, V. V. Serebrennikov. Zhur. anal. khim. 18 no. 1:68-60 Ja '63.

RADIOMETRIC SUBSTANCES

Effect of oxidized oleic acid on the amount of formed blood elements and changes in rat erythrograms. I. B. Kudriashov, E. N. Goncharenko, Sine IUI-khuu [Heñh Yu-hia]. Nauch. dokl. vya. shkoly; biol. nauki no. 2:100-114 '63.

RADIUM

Using the spectrum of gamma rays for detecting the dispersion halos of radium. N. D. Baitasnyi and others. Izv. AN, SSSR, Ser. geofiz. no. 4:598-605 Ap '63.

RADIUS—FRACTURE

Early use of medical gymnastics in closed typical fractures of the radius. L. V. Retel'skaya. Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:14-18 '63.

Traumatic epiphysiolysis of the lower end of the radius and its treatment. V. S. Kostrikov. Med. sostr. 21 no. 12:3-8 D '62.

RAFALOVKA—MOTOR VEHICLES—SOCIETIES, ETC.

Components of a success. G. Zinger. Za rul. 21 no. 2: 8 F '63.

RAFFAELLE SANZIO, 1483-1520

Debut of art reproduction; Marco Antonio Raimondi's engravings of works by Raphael. M. Finkel. Iskustvo 26 no. 2:67-62 '63.

RAGS

Hydraulic method of scutching fibrous materials. V. L. Zotov. Tekst. prom. no. 2:23-24 F '63.

RAILROAD BRIDGES

(see also subdivision under Drava River)

Design and construction of bridges for narrow-gauge railroads. Torf. prom. 40 no. 3:9-10 '63.

RAILROAD ENGINEERING

Lugovoi, P. A., and L. G. Tsypin. [Technical and economic calculations in the reorganization of railroads] Tekhniko-ekonomicheskie raschety pri rekonstruktsii zheleznnykh dorog. Moskva, Transzheldorizdat, 1963, 240 p.

"Principles of railroad design" by A. E. Gibshman and others. Reviewed by V. I. Akimov, L. I. Salko. Transp. stroi. 13 no. 4:75-76 Ap '63.

RAILROAD ENGINEERING—STUDY AND TEACHING

What kind of qualification improvement course do we need. D. V. Platnov, A. D. Belen'kii, L. M. Grossman. Vest. vya. shkoly 21 no. 3:78-79 Mr '63.

RAILROAD LAW

Liability for failure to carry out the obligations imposed by the state plan of the railroad transportation of freight. M. S. Ordanskii. Izv. vya. ucheb. zav.; prav. 6 no. 2:139-142 '62.

We recommend some amendments to the railroad statutes of the U.S.S.R. T. T. Alekseyev. Izv. vya. ucheb. zav.; prav. 6 no. 2:143-144 '62.

RAILROAD RESEARCH

In the departments and laboratories of the All-Union Scientific Research Institute of the Ministry of Railroad Transportation. Vest. TSNI MPS 22 no. 1:64 '63.

In the departments and laboratories of the Central Scientific Research Institute of the Ministry of Railroad Transportation. Vest. TSNI MPS 22 no. 2:62 '63.

Raise by all means the level of scientific research. Zhel. dor. transp. 45 no. 4:65-66 Ap '63.

RAILROADS

(see also subdivision under Australia; Caucasus, Northern; Fergana; Ukraine; White Russia)

Construction and installation operations should be completed ahead of schedule. P. P. Grigoradiia. Avtom., tel. i sv'az' 7 no. 4:1-3 Ap '63.

Danilov, S. K. [Railroad transportation and the economic and technical foundation of communism] Zheleznodorozhnyi transport i material'no-tekhnicheskaya baza kommunizma. Moskva, Transzheldorizdat, 1962, 100 p.

From the editor's mail. Zhel. dor. transp. 45 no. 4:70 Ap '63.

Put into practice the resolutions of the November Plenum of the Central Committee of the CPSU. Zhel. dor. transp. 45 no. 1:52-54 Ja '63.

Toward new heights of technological progress in transportation. N. A. Gundobin. Zhel. dor. transp. 45 no. 1:3-9 Ja '63.

RAILROADS—AUTOMATIC TRAIN CONTROL

Automatic stops in high speed traffic. G. A. Shakhmatov. Zhel. dor. transp. 45 no. 1:70-73 Ja '63.

RAILROADS—BIBLIOGRAPHY

see Bibliography—Railroads

RAILROADS—BRAKES

Control of passenger train brakes with composition brake shoes. V. K. Uspenskii. Vest. TSNI MPS 22 no. 2: 25-28 '63.

Improving the manufacturing technology of brake shoes made of composition materials. V. S. Mantsev and others. Vest. TSNI MPS 22 no. 1:50-53 '63.

Kazarinov, V. M., P. T. Grebeniuk, and E. V. Kiykov. [Methods for braking analysis calculations] Metody tormoznykh raschetov. Moskva, Transzheldorizdat, 1962, 66 p.

RAILROADS—BUILDINGS AND STRUCTURES

"Buildings in railroad transportation" by T. G. Onufriev and others. Reviewed by A. P. Alekseyev. Transp. stroi. 13 no. 3:80-81 Mr '63.

Planning settlements at stations with depot facilities. I. R. Zaichenko. Transp. stroi. 13 no. 4:60-62 Ap '63. The Sp clearance diagram. Transp. stroi. 13 no. 4:38 Ap '63.

RAILROADS—CARS

(see also subdivision under Leningrad)

Determining the coefficient of car resistance to air. P. P. Stromskii. Vest. TSNI MPS 22 no. 2:21-24 '63.

RAILROADS—CARS—MAINTENANCE AND REPAIR

Bekhterev, V. D. [Fundamentals in the organization of car operation, maintenance and repair] Osnovy organizatsii vagonnogo khozaistva; uchebnoe posobie dlia studentov, obuchaiushchikhslia po profilu "Vagonno-stroenie i vagonnoe khozaistvo." Moskva, Mosk. inzhenerov zhel. dor. transp. 1962, 99 p. [MICROFILM]

Frantsiev, A. N. [Economy of materials and parts in car repairing] Ekonomika materialov i detal' pri remonte vagonov. Moskva, Transzheldorizdat, 1963, 138 p.

RAILROADS—COMMUNICATION SYSTEMS

Kruchkov, V. F., and V. A. Nikol'skii. [This is what the telephone operator of railroad transportation should know] Chto dolzhna znat' telefonistka transportnoi svyazi. Moskva, Transzheldorizdat, 1963. 128 p.

Pressing problems in radio communications. L. L. Baigman and others. Avtom., telem. i svyaz' 7 no. 4: 37-38 Ap '63.

Some problems concerning the design and operation of communication systems in railroad runs. S. N. Parfenov. Avtom., telem. i svyaz' 7 no. 4: 18-21 Ap '63.

RAILROADS—COMMUTING TRAFFIC

Potentials of suburban train sheets. F. P. Kochnev. Zhel.dor.transp. 45 no. 1:38-41 Ja '63.

RAILROADS—CONSTRUCTION

(see also subdivision under Siberia)

Cyclic tie tamping machines. P. M. Tsigel'nyi, G. T. Samorukova. Transp.stroi. 13 no. 4:68-70 Ap '63.

Advanced positions. M. I. Selezneva. Transp.stroi. 13 no. 3:37-38 Mr '63.

Machines for straightening the track and tamping ties. P. M. Tsigel'nyi, G. T. Samorukova. Transp.stroi. 13 no. 3:57-60 Mr '63.

Problems of using electronic digital computers for planning stations and junctions. G. Z. Vertman, K. K. Tal', L. A. Sabinin. Transp.stroi. 13 no. 3:45-47 Mr '63.

"Railroads; materials and products." Biul.stroi.tzhd. 20 no. 4:10-11 Ap '63.

Results of the competition. Transp.stroi. 13 no. 3:61 Mr '63.

RAILROADS—COST OF OPERATION

Reducing the expenditures in every operation. G. I. Medkova. Zhel.dor.transp. 45 no. 4:71-74 Ap '63.

RAILROADS—EARTHWORK

Choosing a method of protecting the earth roadbed from erosion. V. I. Gritsyk, I. A. P. Inchenko. Transp.stroi. 13 no. 3:8-10 Mr '63.

Construction of a railroad bed by a crew of bulldozers in a wooded and swampy locality. M. F. Khil'ko. Transp.stroi. 13 no. 4:4-6 Ap '63.

Each excavator crew fulfilled two yearly quotas. V. D. Maltuta. Transp.stroi. 13 no. 3:38-39 Mr '63.

Laying out an earth roadbed with a theodolite. P. N. Grinchik. Transp.stroi. 13 no. 4:47-48 Ap '63.

Outstanding excavator operator. N. S. Strizhkov, I. G. Kuznetsov. Transp.stroi. 13 no. 4:40-41 Ap '63.

RAILROADS—ELECTRIC EQUIPMENT

Automatic switch with multiple operation. Avtom., telem. i svyaz' 7 no. 4:20 Ap '63.

Model layouts for controlling electric centralization stations. V. Petukhov. Transp.stroi. 13 no. 4:11-12 Ap '63.

Panel for checking the potential of track relays. V. D. Butskii, Avtom., telem. i svyaz' 7 no. 4:40 Ap '63.

Replies to the inquiries of our readers. Avtom., telem. i svyaz' 7 no. 4:40-47 Ap '63.

Some problems in the electrification of track maintenance and repair operations. V. M. Iuferev, L. D. Firsova, V. M. Erlikh. Zhel.dor.transp. 45 no. 4: 44-45 Ap '63.

Some shortcomings of SP-1 electric drives. I. M. Iolykh. Avtom., telem. i svyaz' 7 no. 4:41 Ap '63.

RAILROADS—ELECTRIC EQUIPMENT—BIBLIOGRAPHY see Bibliography—Railroads—Electric equipment

RAILROADS—ELECTRIFICATION

Aleksandr Kandaiov and his crew. V. S. Kabanov, V. F. Molostov. Transp.stroi. 13 no. 4:39-40 Ap '63.

Experience of the Moscow Railroad in the operation of power supply system. E. S. Suranin. Zhel.dor.transp. 45 no. 1:30-34 Ja '63.

Varlamov, V. S. [Electrification of railroads] Elektrifikatsiya stal'nykh magistraltel. Moskva, Izd-vo "Znanie," 1963. 32 p. (Novoe v zhizni, nauka, tekhnika. XII Seriya: Geologiya i geografika, no. 8)

RAILROADS—ELECTRONIC EQUIPMENT

Effect of noises on the synchronization channel in the coherent receiver system. V. M. Lisankov. Vest. TSNII MPS 22 no. 1:38-41 '63.

RAILROADS—EMPLOYEES

(see also subdivision under Ashkhabad; Moscow)

New stage in the communist labor competition. L. A. Karpov. Zhel.dor.transp. 45 no. 4:9-14 Ap '63.

Raise higher the banner of communist labor competition. E. T. Cherednichenko. Zhel.dor.transp. 45 no. 4:3-8 Ap '63.

Role of Moscow railroad employees in the Battle of Moscow, October-December, 1941. P. Z. Smirnova. Ist. SSSR 7 no. 1:157-161 Ja-F '63.

Shock worker of communist labor. M. P. Kruger. Avtom., telem. i svyaz' 7 no. 4:20-29 Ap '63.

When a train crew is at work. P. Vasilevskii. Agitator no. 14:45-46 Ji '62.

RAILROADS—EMPLOYEES—EDUCATION AND TRAINING

Specialists should have a good knowledge of production processes. V. D. Lysov. Put' i put.khoz. 7 no. 3: 35-36 '63.

RAILROADS—EQUIPMENT AND SUPPLIES

Achievements of a united collective. L. Troitskii. Put' i put.khoz. 7 no. 3:40-42 '63.

Efficiency promoters need help. M. A. Murtazin. Put' i put.khoz. 7 no. 3:38 '63.

Efficient use of motor vehicles. K. G. Ivanchenko. Avtom., telem. i svyaz' 7 no. 4:38-39 Ap '63.

Improved rail joint expander. V. V. Fomin. Put' i put.khoz. 7 no. 3:15 '63.

Improving the equipment. M. A. Abuladze, Z. A. Fainstein. Put' i put.khoz. 7 no. 3:33 '63.

Lebedeva, L. S. [Use of corrosion inhibitors in railroad transportation] Primenenie ingibitorov korrozii na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962. 23 p.

Mechanization of icing stations. V. A. Fedorchuk. Zhel.dor.transp. 45 no. 4:82-83 Ap '63.

Useful devices. S. P. Stasiuk. Put' i put.khoz. 7 no. 3: 20 '63.

RAILROADS—FINANCE

Shukhatovich, I. M. [Financial planning and accounting in the supply organizations of railroad transportation] Finansovoe planirovaniye i uchety v snabzhencheskikh organizatsiyakh zheleznodorozhnogo transporta. Izd. 2. dop. i perer. Moskva, Transzheldorizdat, 1963. 387 p.

RAILROADS—FIRES AND FIRE PREVENTION see subdivision under Rybinsk

RAILROADS—FREIGHT

Barkov, N. N. [Seasonal and weekday variations in railroad freight transportation] Sezonnaya i vnutrennyaya neravnomernost' gruzovykh perevozok na zheleznykh dorogakh. Moskva, Transzheldorizdat, 1963. 95 p. (Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no. 249)

Cooperation in the use of harbor machinery and warehouses during the period between navigational seasons. Rezh.transp. 22 no. 4:3 Ap '63.

Golubkov, V. V., and K. N. Malakhov. [Mechanization of loading and unloading operations on foreign railroads] Mekhanizatsiya pogruzochno-razgruzochnykh rabot na zarubezhnykh zheleznykh dorogakh. Moskva, Transzheldorizdat, 1963. 227 p.

Gulev, I. A. F., and A. A. Kandil'ian. [New developments in the freight operations of railroad stations and enterprises; work experience of the Krasnoarmayskoe, Rodinskaya and Dobropol'ye Stations] Novoe v gruzovoi rabote stantsii i predpriyatiy: opyt raboty stantsii Krasnoarmayskoe, Rodinskaya i Dobropol'ye. Moskva, Transzheldorizdat, 1963. 53 p.

Langurov, I. Z., and K. I. Zavadskii. [Organization of the transportation of bulk liquid cargo] Organizatsiya perevozok nalivnykh gruzov. Moskva, Transzheldorizdat, 1963. 209 p.

New tasks in the planning of freight transportation. N. I. Shafirkin. Zhel.dor.transp. 45 no. 4:20-25 Ap '63.

"Prospects of a more efficient organization of freight transportation" by K. L. Shetman. Reviewed by V. P. Potapov. Zhel.dor.transp. 45 no. 4:93-95 Ap '63.

Tasks in the further lowering of operation costs in freight transportation. I. V. Ivilev. Zhel.dor.transp. 45 no. 4:15-20 Ap '63.

Technology of the rhythmic operation of stations and approach tracks. N. M. Kol'tsov. Zhel.dor.transp. 45 no. 1:70-80 Ja '63.

RAILROADS—FREIGHT CARS

New methods of loading and fastening lumber. G. M. Shteingor. Zhel.dor.transp. 45 no. 1:73-75 Ja '63.

New operational requirements for freight car designs. A. E. Tsikunov. Zhel.dor.transp. 45 no. 1:63-64 Ja '63.

New scientific discoveries and technological innovations. Ukraina no. 6:16 Mr '63.

Self-discharging railroad cars for industrial transportation. M. G. Golovkin. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform. no. 3:60-65 '63.

When are we going to put an end to the damaging of freight cars? B. A. Medvedev. Zhel.dor.transp. 45 no. 4:46-48 Ap '63.

RAILROADS—FREIGHT CARS—PAINTING

Automation of the painting of gondola cars. N. M. Evgrafov and others. Lakokras.mat. i ikh prim. no. 2:57-62 '63.

RAILROADS—HUMP YARDS

Comprehensive reconditioning of humps. A. M. Shashkin. Put' i put.khoz. 7 no. 3:11-12 '63.

Selecting the optimum operational conditions of the work of classification stations. N. D. Novajskii. Vest. TSNII MPS 22 no. 2:51-54 '63.

Selective braking of cars during classification. V. Z. Fakhrutdinov. Zhel.dor.transp. 45 no. 1:69-70 Ja '63.

RAILROADS—JOINT USE OF FACILITIES

New conditions in the operation of approach tracks. S. M. Iankin. Zhel.dor.transp. 45 no. 4:37-40 Ap '63.

Urgent problems in the operation of consolidated transportation facilities. I. A. I. Bessmertnyi. Zhel.dor.transp. 45 no. 1:80-81 Ja '63.

RAILROADS—LABOR PRODUCTIVITY

Increase of labor productivity and tasks of trade union committees. A. P. Voropal. Zhel.dor.transp. 45 no. 1:10-14 Ja '63.

RAILROADS—MAINTENANCE AND REPAIR

Causes of an accident. L. F. Zhukov. Put' i put.khoz. 7 no. 3:44-45 '63.

Changes in train speed regulations during track repair. Put' i put.khoz. 7 no. 3:12 '63.

Comprehensive utilization of "traffic intervals." G. F. Zhuraviev. Put' i put.khoz. 7 no. 3:23 '63.

Develop high-speed rates in summer track maintenance operations. I. V. Rusakov. Put' i put.khoz. 7 no. 3: 1-2 '63.

Machinery in the repair and maintenance of station tracks. G. P. Zhilin. Put' i put.khoz. 7 no. 3:9-10 '63.

Some problems in the electrification of track maintenance and repair operations. V. M. Iuferev, L. D. Firsova, V. M. Erlikh. Zhel.dor.transp. 45 no. 4: 44-45 Ap '63.

Temporary two-way automatic blocking on double-track runs in case of the closing of one track. A. M. Kandil'skii. Zhel.dor.transp. 45 no. 4:80-81 Ap '63.

RAILROADS—MAKING UP TRAINS

Mathematical modeling of the car accumulation process in classification yards. E. A. Sotnikov. Vest. TSNII MPS 22 no. 2:59-62 '63.

New developments in the organization of car flows. I. A. L. Volchek, V. A. Pokavkin. Zhel.dor.transp. 45 no. 1: 25-29 Ja '63.

RAILROADS—MANAGEMENT

(see also subdivision under Hungary; Lvov Province)

Advanced technology in the organization of local work on long haul distances. V. I. Pyskin. Zhel.dor.transp. 45 no. 4:78-80 Ap '63.

Bekhterev, V. D. [Fundamentals in the organization of car operation, maintenance and repair] Osnovy organizatsii vagonnogo khozaystva; uchebnoe posobie dlia studentov, obuchalushchikhsia po profilu "Vagonno-stroenie i vagonnoe khozaystvo." Moskva, Mosk. in-t inzhenerov zhel.dor. transp. 1962. 99 p.

[MICROFILM]

Consideration should be given to these problems. M. S. Arkhipov, V. A. Starostin. Put' i put.khoz. 7 no. 3:39 '63.

Consolidation of railroad administrative units. V. K. Beshketo, P. E. Vasil'ev. Zhel.dor.transp. 45 no. 4: 84-86 Ap '63.

Establishing of norms of the working capital based on the stock of materials and spare parts in car depots. B. P. Tsarev. Vest. TSNII MPS 22 no. 1:56-59 '63.

Establishing standards for the new train schedules and for plans for making up trains. Zhel.dor.transp. 45 no. 4:67-68 Ap '63.

Gulev, I. A. F., and A. A. Kandil'ian. [New developments in the freight operations of railroad stations and enterprises; work experience of the Krasnoarmayskoe, Rodinskaya and Dobropol'ye Stations] Novoe v gruzovoi rabote stantsii i predpriyatiy: opyt raboty stantsii Krasnoarmayskoe, Rodinskaya i Dobropol'ye. Moskva, Transzheldorizdat, 1963. 53 p.

Krivenko, I. A. N., and others. [Organization of rhythmic operations on railroads; experience of the Donetsk Railroad] Organizatsiya ritmichnoi raboty dorogi; opyt Donetskoi zh. d. Moskva, Transzheldorizdat, 1963. 71 p.

Labor productivity and costs of operation of classification yards. A. I. Zhuraviev, V. O. Bondarenko, P. R. Potapov. Zhel.dor.transp. 45 no. 1:20-24 Ja '63.

Methods of rapid processing of car flows in stations. G. S. Koshman, M. F. Kuchma. Zhel.dor.transp. 45 no. 1:85-88 Ja '63.

New methods for the operation of track machinery stations. Put' i put.khoz. 7 no. 3:34-35 '63.

Possibilities for reducing the number of extra trains in passenger traffic. N. A. Derevitskii. Zhel.dor.transp. 45 no. 4:35-36 Ap '63.

Potentials of a further increase in the labor productivity of train operation personnel. A. I. Smetanin. Zhel.dor.transp. 45 no. 1:14-18 Ja '63.

Timoshkov, V. M. [Organization of the operation of combined trains for lengthened haul distances] Organizatsiya raboty abornykh poezdov pri udlinenii tiazovykh plech. Moskva, Transzheldorizdat, 1963. 89 p.

Transportation indices as base for the multiple investigation of the utilization of locomotives. V. N. Derzhavin. Zhel.dor.transp. 45 no. 1:61-63 Ja '63.

Using electronic computers in traction calculations for determining the time of train movements in the runs between stops. A. G. Gorbachev, V. Gorbachev, T. Timofeev. Izv. AN Latv. SSR no. 2:18-25 '63.

- RAILROADS — MANAGEMENT (Continued)**
Using electronic digital computers for the automation of the processing of train information. V. A. Bulanov, Zhel. dor. transp. 45 no. 1:41-45 Ja '63.
Ways of improving the planning and material incentive in railroad management. A. P. Abramov and others, Zhel. dor. transp. 45 no. 1:55-60 Ja '63.
- RAILROADS—PASSENGER CARS** see subdivision under Hungary
- RAILROADS—PASSENGER TRAFFIC**
Possibilities for reducing the number of extra trains in passenger traffic. N. A. Derevitskii, Zhel. dor. transp. 45 no. 4:35-38 Ap '63.
- RAILROADS—PERIODICALS**
Conferences of the readers of "Zheleznodorozhnyi transport." Zhel. dor. transp. 45 no. 4:69-70 Ap '63.
- RAILROADS—RAILS**
Dynamic reaction of the length of the rail-tie skeleton during lifting. Vest. TSNII MPS 22 no. 1:61-62 '63.
Interaction of a flat wheel with the rail. P. S. Anisimov, Vest. TSNII MPS 22 no. 1:42-47 '63.
Machine for cleaning the surface of rails. Transp. stroi 13 no. 4:67 Ap '63.
Using the tracklaying machine in replacing rails with used ones. F. R. Tiutiunnik, G. A. Evtiukhov, Put' i put. khoz. 7 no. 3:7-9 '63.
- RAILROADS—RAILS—LUBRICATION**
Practical application of new developments. L. P. Molent'ev, I. G. Tsurkan, Put' i put. khoz. 7 no. 3:29-30 '63.
- RAILROADS—RAILS—TESTING**
Performance of the rail head subjected to the combined action of bending and contact stresses. O. P. Erekhov, Vest. TSNII MPS 22 no. 2:43-46 '63.
- RAILROADS—RAILS—WELDING**
Gas pressure welding of rails. A. F. Zharkov, Put' i put. khoz. 7 no. 3:46-48 '63.
- RAILROADS—ROLLING STOCK**
Shilapin, V. B., Iu. G. Vinogradov, and V. I. Shakhov. [Build-up welding under flux with a vibrating arc in the repair of rolling stock parts] Vibrodugovaya naplavka pod fluxom detalей podvzhnogo sostava. Moskva, Transzheldorizdat, 1962. 26 p.
- RAILROADS—SAFETY MEASURES**
New technology and labor safety requirements. N. D. Lezhnev, Zhel. dor. transp. 45 no. 1:46-49 Ja '63.
Use of megaphones at crossings. Put' i put. khoz. 7 no. 3:43 '63.
- RAILROADS—SIGNALING**
Design workers need good handbooks. K. A. Kononov, Avtom., telem., i svyaz' 7 no. 4:41 Ap '63.
Electric model of a c. track circuits. M. V. Kurovskii, Izv. vna, ucheb. zav. i elektromekh. 6 no. 2:224-228 '63.
Evlashenko, F. V. [Safety engineering in signaling and communications] Tekhnika bezopasnosti v khozislavie signalizatsii i svyazi. Moskva, Transzheldorizdat, 1963. 143 p.
Experience in the operation of track circuits with a frequency of 25 c. p. s. M. I. Boikevich, Avtom., telem., i svyaz' 7 no. 4:25-27 Ap '63.
An outstanding specialist in the field of railroad automation; 80th anniversary of the birth of N. O. Roginskii, Avtom., telem., i svyaz' 7 no. 4:43 Ap '63.
Shock worker of communist labor. M. P. Kruger, Avtom., telem., i svyaz' 7 no. 4:28-29 Ap '63.
We shall do our best to master new equipment. A. Iu. Valchanskii, Avtom., telem., i svyaz' 7 no. 4:22-25 Ap '63.
- RAILROADS—SIGNALING—BIBLIOGRAPHY** see Bibliography—Railroads—Signaling
- RAILROADS—SIGNALING—BLOCK SYSTEM**
Temporary two-way automatic blocking on double-track runs in case of the closing of one track. A. M. Kandinakii, Zhel. dor. transp. 45 no. 4:80-81 Ap '63.
- RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL**
Albums of standard designs and CTC networks developed by the State Planning and Research Institute for the Design and Planning of CTC and Radio Communication Systems in Railroad Transportation. Avtom., telem., i svyaz' 7 no. 4:43-44 Ap '63.
Choice of stations and runs for inclusion in centralized dispatcher control at a railroad junction. M. A. Blischenko, Avtom., telem., i svyaz' 7 no. 4:14-17 Ap '63.
Eysert, I. G. [Protection of CTC systems from atmospheric overvoltages] Zashchita ustroystv STsB ot atmosferykh perenapriazhenii. Moskva, Transzheldorizdat, 1963. 98 p.
On the connection joints of rails and... electronics. A. Dokuchaev, IUn. tekhn. 7 no. 4:40-43 Ap '63.
Pusher staffs in semiautomatic relay block systems. N. M. Stepanov, Avtom., telem., i svyaz' 7 no. 4:11-13 Ap '63.
SRP-69 power distribution panel. A. S. Kapusta, Avtom., telem., i svyaz' 7 no. 4:8-10 Ap '63.
- Track circuit with tuned resonant joint transformers. A. V. Shishlakov, G. K. Efimov, V. S. Dmitriev, Avtom., telem., i svyaz' 7 no. 4:4-7 Ap '63.
- RAILROADS—SIGNALING—INTERLOCKING SYSTEMS**
New design of relay racks of electric interlocking systems. Avtom., telem., i svyaz' 7 no. 4:44-45 Ap '63.
- RAILROADS—SNOW PROTECTION AND REMOVAL**
New developments in the technology of snow removal in stations. V. G. Konlav, M. I. A. Lipkind, Put' i put. khoz. 7 no. 3:16-18 '63.
- RAILROADS—SNOW PLOWS**
Increasing the operational efficiency of snow removing machinery. N. V. Sheremet'ev, Put' i put. khoz. 7 no. 3:18-19 '63.
- RAILROADS—STATIONS**
(see also subdivision under Leningrad; Sofia)
Possibility of undermining traction substations of electric railroads. Iu. P. Nekhoroshev, [Trudy] VNIMI no. 45: 132-134 '62.
- RAILROADS—SURVEYING**
"Instructions for engineering geology studies in surveying new lines, second tracks, reconstruction and railroad electrification." Reviewed by A. M. Gorelik, M. K. Druzhinin, Transp. stroi, 13 no. 4:73-74 Ap '63.
Rapoport, E. M. [Azimuth determination in railroad surveying] Azimutal'nye opredeleniia pri izyskaniiakh zheleznnykh dorog; uchebnoe posobie. [n. p.] Dnepropetrovskii in-t inzhenerov zhel-dor. transporta. Pt. 1. 161, 53 p.
- [MICROFILM]
- RAILROADS—SWITCHES**
Laying of switches in two blocks. A. G. Gorn, Iu. I. A. Slutskii, Transp. stroi, 13 no. 4:9-11 Ap '63.
Laying switches on blocks of reinforced concrete. A. M. Bezrukov, N. S. Pribud'ko, I. S. Bugalchuk, Put' i put. khoz. 7 no. 3:3-6 '63.
Need for comprehensive solving of problems concerning the increase of traffic speed over switches. M. A. Chernyshev, Put' i put. khoz. 7 no. 3:27-28 '63.
Switches for high-speed traffic. N. N. Elisekov, Put' i put. khoz. 7 no. 3:13-14 '63.
- RAILROADS—TECHNOLOGICAL INNOVATIONS**
New developments in foreign technology. Zhel. dor. transp. 45 no. 4:91-92 Ap '63.
Soviet people are solving technical problems. V. Akhobadze, NTO 5 no. 3:34-36 Mr '63.
- RAILROADS—TIES**
Lengthening the service life of ties. I. M. Vol'fon, Put' i put. khoz. 7 no. 3:20-23 '63.
- RAILROADS—TIES, CONCRETE**
Repair of reinforced concrete ties on the track by division crews. Iu. A. Sinagin, Put' i put. khoz. 7 no. 3:24 '63.
Ways to prevent transverse failure of ties. V. I. A. Shul'ga, Put' i put. khoz. 7 no. 3:25-26 '63.
- RAILROADS—TRACK**
(see also subdivision under Cuba; Germany, West)
Efficiency of the measures applied for heaving control. L. T. Abramov, N. D. Kocherova, A. I. Sheviakov, Vest. TSNII MPS 22 no. 1:62-63 '63.
Investigating the resistance of the rail-tie skeleton and rail stresses during track surfacing. V. G. Maksimov, Vest. TSNII MPS 22 no. 2:47-50 '63.
Laying track with reinforced concrete cross-ties. G. I. Novozhilov, Transp. stroi, 13 no. 4:5-9 Ap '63.
Methods for calculating the pressure on the soil. B. N. Smirnov, Trudy TSNIME no. 36:25-31 '62.
- RAILROADS—TRACKLAYING MACHINERY**
Using the tracklaying machine in replacing rails with used ones. F. R. Tiutiunnik, G. A. Evtiukhov, Put' i put. khoz. 7 no. 3:7-9 '63.
- RAILROADS—TRAFFIC**
Organization of train traffic on the open track of a run during repairs. A. I. Bogachev, Vest. TSNII MPS 22 no. 1:53-56 '63.
- RAILROADS—TRAIN DISPATCHING**
Compiling the train dispatching plan on an electronic digital computer. L. T. Tulupov, V. A. Bulanov, Vest. TSNII MPS 22 no. 2:55-59 '63.
- RAILROADS—TRAIN SPEED**
Changes in train speed regulations during track repair. Put' i put. khoz. 7 no. 3:12 '63.
Ways of increasing the speed of traffic. G. I. Chernomordik, Zhel. dor. transp. 45 no. 4:60-64 Ap '63.
- RAILROADS, CABLE**
Boiarukii, V. S. [Cable railroads with moving cables at lumbering camps in mountains] Kanatno-relevoye dorogi s dvizhuushchimisya trosami na lesozagotovkakh v gornyykh usloviyakh. Moskva, Goslesbumizdat, 1960. 58 p.
- RAILROADS, INDUSTRIAL**
Ashkenazi, E. A., and V. I. Bakanov. [Fields of application of the various types of traction in industrial railroad transportation] Sfery primeneniia raznykh vidov tiagi na promyshlennom zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962. 128 p. (Moscow, Vsesoluznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, 43, 1962.)
Construction gauge clearance on approach and industrial factory industrial tracks. B. K. Kozlovskii, Zhel. dor. transp. 45 no. 4:80-87 Ap '63.
Urgent problems in the operation of consolidated transportation facilities. I. A. I. Bessmertnyi, Zhel. dor. transp. 45 no. 1:60-61 Ja '63.
- RAILROADS, INDUSTRIAL—MAINTENANCE AND REPAIR**
Mechanization of tie tamping operations in peat transportation. M. V. Popovich, Torf. prom. 40 no. 1: 15-18 '63.
- RAILROADS, NARROW-GAUGE—CONSTRUCTION**
"Reconditioning the laying and ballasting machine designed by the Ural Institute of Lumbering Technology"; dissertation by V. A. Krupin, Reviewed by S. M. Konukhov, Trudy Ural. lesotekh. inst. no. 17: 20-33 '60.
- RAILROADS, NARROW-GAUGE—RAILS**
Mechanized spacing of clearances in the creeps of narrow-gauge railroad rails. V. E. Kalgorodov, A. E. Replin, Trudy Ural. lesotekh. inst. no. 17: 11-13 '60.
Using continuous rails on main lines of narrow-gauge railroads. A. S. Ivankovich, Trudy TSNIME no. 35: 11-23 '62.
- RAILROADS, NARROW-GAUGE—TIES, CONCRETE**
Reinforced concrete tie slabs for railroads with a gauge of 750 mm. B. N. Smirnov, Trudy TSNIME no. 35: 33-36 '62.
- RAILROADS, SUSPENDED**
Monorail railroad Moscow-Paris-New York. G. Nary, IUn. tekhn. 7 no. 12:46-48 D '62.
- RAIMONDI, MARC ANTONIO, b. ca. 1488**
Debut of art reproduction: Marc Antonio Raimondi's engravings of works by Raphael. M. Flekel', Iskusstvo 26 no. 2:57-62 '63.
- RAKHMANINOV, IVAN GERASIMOVICH, 1753-1807**
Mariyev, B. F. [Journalist and publisher I. G. Rakhmaninov, 1753-1807] Zhurnal'ist i izdatel' I. G. Rakhmaninov, 1753-1807 gg. [Tambov] Tambovskoe knizhnoe izd-vo, 1963. 70 p.
- RAKHMANINOV, SERGEI VASIL'EVICH, 1873-1943**
Harmonious sounds of Rakhmaninov's music. Rab. ist. 39 no. 4:10 Ap '63.
- RAMAN EFFECT**
On the theory of paramagnetic spin-lattice relaxation in crystals with ions in the S-state. Phonon Raman processes. A. M. Leushin, Fiz. tver. tela 5 no. 3: 651-661 Mr '63.
Vibrational Raman spectrum of gaseous tetrafluorodrazine N₂F₄. Iu. I. Kotov, V. M. Tatarskii, Opt. i spekt. 14 no. 3:443-444 Mr '63.
- RANGE FINDING**
Work area of the ultrashort-wave range finder for various accuracies of radiogeodetic determinations. A. M. Karasik, Trudy NIIGA 132:166-171 '62.
- RAPALLO, TREATY OF, 1922**
Nauchnaya sessiya, posvyashchennaya 40-letiiu Rapal'skogo dogovora, 1922. [The Treaty of Rapallo and the problem of peaceful coexistence] Rapal'skii dogovor i problema mirovogo sushchestvovaniia; materialy. Rab. kollegiia: A. Anderio i dr. Moskva, Izd-vo inostr. lit-ry, 1963. 201 p.
- RAPE**
Criminal responsibility for rape. A. Ignatov, Sov. ist. no. 6:13-17 Ap '63.
- RARE EARTH FLUORIDES**
New find of gadolinite. N. A. Akefin, M. E. Kazakova, Dokl. AN SSSR 149 no. 3:672-674 Mr '63.
- RARE EARTH METALS**
Effect of rare-earth metals on the properties of chromium-nickel steel. I. A. E. Gol'dshteyn and others. Stal' 23 no. 4:354-358 Ap '63.
Smolin, P. P. [Metals of the 20th century] Metally XX veka. Moskva, Izd-vo "Znanie," 1963. 45 p. (Novoe v zhizni, nauka, tekhnika. XII Seriya: Geologiya i geografii, no. 6)
Use of scarce and rare earth metals and their compounds in the technology of silicates. A. I. Avgust'nik, Zhur. VKHO 6 no. 2:135-141 '63.
- RARE EARTHS**
Analytical application of dibromarsenazo 2. Determination of thorium in the presence of rare earths [with summary in English]. S. B. Savvin, N. N. Basargin, V. P. Makarova, Zhur. anal. khim. 16 no. 1:61-65 Ji '63.

RARE EARTHS (Continued)

Bakumenko, T. T. [Catalytic properties of rare and rare-earth elements] *Kataliticheskie svoystva redkikh i redkozemel'nykh elementov.* Kiev, Izd-vo Akad. nauk USSR, 1963. 99 p.

[RECRYSTALLIZATION]

Distribution of rare earth elements in minerals depending on the conditions of their formation. I. V. Shveit-Mn. *Byr'e* no. 4:28-35 '63.

Secondary electron emission from activated Al-Mg alloys containing a small amount of magnesium and doped with rare earth elements. O. B. Stuchinskiy. *Fiz. tverd. tela* 5 no. 3:700-709 Mr '63.

RARE EARTHS--SPECTRA

Spectral determination of impurities in high purity lanthanum oxides after their concentration by the chromatographic method [with summary in English]. V. I. Kuznetsov, G. V. Lazebnik, M. K. Zagorskaya. *Zhur. anal. khim.* 18 no. 1:99-102 Ja '63.

RASBINA--AGRICULTURAL WORKERS

Recommendation for party membership. A. Machanaka. *Mol. komm.* no. 11:30-39 N '62.

RATS--EXTERMINATION

Influence of deratization on the sand fly population of burrows. T. N. Romaniukova, A. B. Karapet'yan, Vop. krev. paruz. Turk. SSR 3:145-152 '63.

RAUWOLFIA

Neural mechanisms in the pathogenesis of rheumatic fever [with summary in English]. I. A. Bronshteyn. *Vop. revm.* 1 no. 3:31-40 Ji '61.

Treatment of hypertension by means of Rauwolfia serpentina preparations in poly-Halen. T. A. Zaitkina. *Bhor. nauch. -pruk. rab. Poliklin. na F. E. Nazarov.* no. 3:45-52 '61.

RAYA--RUSSKAYA DISTRICT--AGRICULTURAL MACHINERY--MAINTENANCE AND REPAIR

A machine will work well if you care for it well. I. V. Kolennichenko. *Mekh. sil' hosp.* 14 no. 3:7-8 N '63.

RAYL, MAURICE, 1876-1937

"Child and enchantment." I. Neat'ev. *Nov. iuz.* 27 no. 4:92-94 Ap '63.

RAYON SPINNING

Comparison analysis of formulas proposed for the strength calculation of rayon cord. I. I. Fel'man, *Izv. vuz. uchob. zav. i tekhn. tekhn. prom.* no. 1:27-33 '63. Emulation of viscose rayon on the winding machine. M. G. Gordienko, V. E. Lashova. *Lekh. prom.* no. 1:65-68 Ja-Mr '63.

REACTION TIME

Promptness of complex order reactions as affected by the stimuli in the dominant and nondominant languages [with summary in English]. D. I. Kovalev. *Vop. psikhol.* 6 no. 1:114-122 Ja-F '63.

HEADERS AND SPEAKERS--JATANY

"Chromatography of botany." Reviewed by A. B. Ivanova. *Biol. v shkole* no. 2:87 Mr-Apr '63.

READING

Organizing extracurricular reading. E. Melova. *Shkola. Int.* no. 1:43-47 Ja-F '63.

READING (ELEMENTARY)

Special aspects of extracurricular reading lessons. V. G. Talnashka. *Nach. shkola* 31 no. 3:53-56 Mr '63. Teaching children to read words. O. Lashchenko. *Dozh. vykh.* 24 no. 3:9-10 Mr '63.

READING (ELEMENTARY)--AUDIO-VISUAL AIDS

Dolls in class. *Nach. shkola* 31 no. 3: 96 Mr '63.

REALISM IN ART

Contemporaneity and realism in art. O. Ponomareva. *Mol. komm.* no. 3:26-34 F '63.

REALISM IN LITERATURE

Main direction. V. Shcherbina. *Vop. lit.* 7 no. 2:3-16 F '63.

REAMERS--STANDARDS

One-piece machine reamers. N. F. Loginevskaya. *Standardizatsia* 27 no. 3:51-52 Mr '63.

REARRANGEMENTS (CHEMISTRY)

Rearrangement of 5-acyloxy-6-alkyl-8,8-dihydro-1,2,3,4-tetrahydronaphthalene (1, 2, 3, 4)-1, 2, 3, 4-oxides to derivatives of dibenz-(a, h)phenazine. V. A. Koptev, I. D. Volodarskii. *Zhur. VKhO* 8 no. 1:115 '63.

REASONING (PSYCHOLOGY)

Veiled reflex. A. V. Alekseev. *Nauka i zhizn'* 30 no. 1: 97-99 Ja '63.

REBATES see subdivision under *Talgar*

RECEPTORS (NEUROLOGY)

Effect of naphthalene on the thermoreceptors of the human skin: preliminary report. A. M. Mamadov, Ch. Kh. Agayeva. *Bhor. iuz. Azerb. nauch. -issl. inst. kur. i fiz. metod. lekhn.* no. 3:88-89 '63.

Likhtomishin, V. A. [Temperature analysis, its role normally and in some aspects of pathology] *O temperaturnom analizatore i ego roli v norme i nekotorykh vidakh patologii.* Makhachkala, Dagestan-skoe knizhnoe izd-vo, 1960. 163 p.

RECLAMATION OF LAND

(see also subdivision under *Golodnaya Steppe; Mongolia*)

Use of linear programming techniques in drainage and irrigation projects. O. G. Salomoniia. *Trudy Inst. energ. AN Gruz. SSR* 16:47-54 '62.

RECONSTRUCTION see subdivision under *Ukraine*

RECORDING INSTRUMENTS

Automatic record of the flow of a fluid. V. K. Alekandrov, N. A. Shuvaev. *Sudostroenie* 20 no. 4: 54-55 Ap '63.

Correction of graphs obtained from inertial recording devices. V. B. Buruk. *Izv. vuz. uchob. zav. i elektromekh.* 6 no. 2:270-280 '63.

Repair of dial indicators. V. N. Shchukin. *Izm. tekhn.* no. 3:13-14 Mr '63.

Spring dial indicator. E. I. Fel'man. *Izm. tekhn.* no. 3: 15-17 Mr '63.

RECORDING INSTRUMENTS--TESTING

Increasing the reliability in checking the precision of dial indicators. A. N. Kartashova. *Izm. tekhn.* no. 3: 4-7 Mr '63.

RECREATIONAL THERAPY

Mass cultural practices conducted in a hospital. A. P. Shiraeva. *Med. sestra* 21 no. 10:50-57 O '62.

RECRUITING OF EMPLOYEES

Ammenfeld, O. M. [Hiring and dismissal of state commerce workers] *Prilozhenie k uchebno-rabotnikov gosudarstvennoy trgovli.* Moskva, Gosstorgizdat, 1962. 80 p.

RED CROSS

(see also subdivision under *Tata Province*)

Bureau of medical services of the Red Cross Society. A. B. Pavlov. *Med. sestra* 21 no. 10:58-59 O '62.

REDUCTION, CHEMICAL

Effect of the molecular weight of higher fatty acids on the capacity of being reduced to alcohols. V. V. Veselov, P. V. Lushchinskii, V. I. Morina. *Khim. i tekhn. topl. i masel.* 8 no. 3:11-15 Mr '63.

Illustrating the processes taking place in a blast furnace. A. Ilogueki. *Khim. v shkole* 10 no. 1:79 Ja-F '63.

Reduction of nitrobenzene and nitrocyclohexane in the presence of a tin catalyst. M. P. Abidova and others. *Vkh. Khim. zhur.* 7 no. 1:60-65 '63.

Studying the structure of cotton plant lignin by the method of destructive reduction with metallic sodium solution in liquid ammonia. Kh. R. Nizayev, N. N. Shorygina. *Izv. AN SSSR, Old. Khim. nauk* no. 3:553-555 Mr '63.

REDUCTION, ELECTROLYTIC

Current-voltage characteristics of N-benzoylphenylhydroxylamine solutions. I. P. Alimarin and others. *Izv. AN SSSR, Old. Khim. nauk* no. 3:587-590 Mr '63.

Effect of the adsorption of reducing substances on the kinetics of electrode process. Report No. 2: Electrochemical behavior of benzyl chloride. O. A. Todoradze, A. B. Krasler, S. G. Matranovskii. *Izv. AN SSSR, Old. Khim. nauk* no. 2:235-240 F '63.

Electrochemical oxidation and reduction of sparingly soluble *swampers*. M. A. Lomkarov, I. P. Chernobayev. *Ukr. khim. zhur.* 20 no. 3:287-292 '63.

Electrolytic reduction of chromium complex salts. A. V. Pankov, A. I. Lopatinetskaya, I. A. Tshlaev. *Ukr. khim. zhur.* 20 no. 3:293-299 '63.

Polarographic hydrogen catalytic currents in solutions of complex compounds of some metals [with summary in English]. O. L. Kizharova. *Zhur. anal. khim.* 18 no. 1:4-8 Ja '63.

REED, JOHN, 1887-1920

Man of an unusual destiny. E. Drebkina. *Kul't. i zhizn'* 6 no. 1:127-29 '62.

REED (BOTANY) see subdivision under *Odesa region*

REED PRODUCTS

Inexpensive building material. TS. Shagdar. *Sovr. Mong.* 7 no. 12:26-27 D '62.

Very simple mobile unit for the production of reedwork. O. K. Baidubekov, S. S. Shakenbaev. *Stroi. mal.* 6 no. 3:28-27 Mr '63.

REEFS see subdivision under *Central Siberian Plateau*

REFLECTION (OPTICS)

Use of complete internal reflection of waves. L. V. Iogannan. *Fiz. v shkole* 23 no. 1:6-11 Ja-F '63.

REFLEXES

Mechanism underlying sensitivity variations in the chemoreceptors of vessels in an aging organism. V. V. Frolik, I. V. Shchegoleva. *Dokl. AN SSSR* 146 no. 4: 942-944 F '63.

Veiled reflex. A. V. Alekseev. *Nauka i zhizn'* 30 no. 1: 97-99 Ja '63.

REFORESTATION see subdivision under *Komi A. S. S. R.; Voronezh Province*

REFORESTATION--EQUIPMENT AND SUPPLIES

Machines and implements in reforestation work. V. M. Surmach, V. V. Chernyshev, V. S. Bocharov. *Les. khoz.* 16 no. 1:62-66 Ja '63.

REFRACTION, DOUBLE

Electric and dynamic birefringence of poly- γ -benzyl-L-glutamate solutions [with summary in English]. V. N. Tsvetkov and others. *Vysokom. soed.* 5 no. 3:453-458 Mr '63.

Studying the molecular structure of ribonucleic acid by the method of dynamic birefringence [with summary in English]. E. V. Grisman and others. *Blokhinina* 28 no. 1:137-144 Ja-F '63.

REFRACTIVE INDEX

Measurement of the refractive index of liquid hydrogen. A. V. Belonogov, V. M. Gorbunkov. *Opt. i spektr.* 14 no. 3:438-440 Mr '63.

Scattering of waves on random inhomogeneities of a medium with a variable refractive index. V. V. Borisov, V. N. Krasil'nikov. *Probl. dif. i rasp. voln* 2:102-110 '62.

REFRACTOMETRY

Automation in controlling the brine concentration. N. F. Chernigin, A. Ivanov. *Ryb. khoz.* 30 no. 2:66-72 '63.

REFRACTORIES INDUSTRY--EQUIPMENT AND SUPPLIES

Device IchMk-1-2-3 for measuring the frequency of mechanical vibrations in the refractories industry. B. S. Polunovskii. *Met. i gor. prom.* no. 1:82 Ja-F '63.

REFRACTORY MATERIALS

Cordierite kiln shelves made of refractory clays and magnesite. R. M. Zaitseva, G. F. Pankratova. *Stek. i ker.* 20 no. 3:23-26 Mr '63.

Properties of fire-resistant unsaturated polyester resins. V. D. Valgin, V. N. Demin, E. B. Petrilenkova. *Plast. massy* no. 4:14-16 '63.

Some compounds of zirconium and areas of their use. P. P. Busnikov, A. M. Cherepanov. *Zhur. VKhO* 8 no. 2:141-148 '63.

Study of the interrelationship of clinker components and refractories using radioactive tracers. E. I. Morozov. *Trudy Giprotsement* no. 24:103-110 '62.

REFRACTORY MATERIALS--STANDARDS

Refractory articles. E. V. Deglarova, B. E. Pindrik. *Standardizatsia* 27 no. 2:43 F '63.

"Refractory materials and products." *Bul. stroi. tekhn.* 20 no. 4:11 Ap '63.

REFRACTORY MATERIALS--THERMAL PROPERTIES

Controlling the hardening process of cast material in the production of fused refractories. M. I. Rogovoi. *Stek. i ker.* 20 no. 3:16-18 Mr '63.

REFRIGERANTS

Use of an azeotropic mixture for charging the FAK-0, 7 refrigerating unit. I. A. N. Arshanskii. *Khol. tekhn.* 40 no. 2:60 Mr-Apr '63.

REFRIGERANTS--THERMAL PROPERTIES

Diagram "I" and "ex" for propane and ethane. V. I. Kostuk. *Khol. tekhn.* 40 no. 2:77 Mr-Apr '63.

REFRIGERATION AND REFRIGERATING MACHINERY

(see also subdivision under *Moldavia*)
Analyzing the natural vibrations in two-position systems by means of generalized load characteristics. V. S. Ushanskii. *Khol. tekhn.* 40 no. 2:14-16 Mr-Apr '63.

Avetisova, L. S. [Refrigerating equipment] *Kholodil'nye oborudovaniia.* Moskva, Gosstorgizdat, 1963. 100 p.

Coefficient of utilization of commercial refrigeration equipment. N. I. Govenchik. *Khol. tekhn.* 40 no. 2:24-27 Mr-Apr '63.

Expand the use of refrigeration in the fishing industry. *Ryb. khoz.* 30 no. 4:13-16 '63.

New designs of level relays. A. G. Rotenberg, V. M. Marshlov. *Khol. tekhn.* 40 no. 2:10-13 Mr-Apr '63.

New types of hermetically sealed refrigerating compressors and units. V. B. Iakobson. *Khol. tekhn.* 40 no. 2: 68-69 Mr-Apr '63.

Operating conditions of semiconductor cooling systems. E. S. Kurylev. *Khol. tekhn.* 40 no. 2:7-10 Mr-Apr '63.

Preparation of direct ammonia cooling systems for an over-all automation. V. Irzhevskii, I. A. Zil'berberg, A. Komeiko. *Mina. ind. SSSR* 34 no. 1:35-39 '63.

Study and design of a Freon regenerative heat exchanger. V. M. Shavra. *Khol. tekhn.* 40 no. 2:16-24 Mr-Apr '63.

Use of an azeotropic mixture for charging the FAK-0, 7 refrigerating unit. I. A. N. Arshanskii. *Khol. tekhn.* 40 no. 2:50 Mr-Apr '63.

Use of epoxy resins in the assembly and installation of refrigerating units. V. V. Kamnev. *Khol. tekhn.* 40 no. 2:46-48 Mr-Apr '63.

REFRIGERATION AND REFRIGERATING MACHINERY--ABSTRACTS

[Chemical and refrigeration machinery manufacture] *Ref. zhur. i Khim. i khol. mashinost.* no. 5 My '63.

REFRIGERATION AND REFRIGERATING MACHINERY—BIBLIOGRAPHY see Bibliography—Refrigeration and refrigerating machinery

REFRIGERATION AND REFRIGERATING MACHINERY—MAINTENANCE AND REPAIR
Device for pressing finned tubes. D. I. Perelman. Khol. tekhn. 40 no. 2:40 Mr-Apr '63.

REFRIGERATOR CARS

Mechanization of icing stations. V. A. Fedorchuk. Zhel. dor. transp. 45 no. 4:62-63 Apr '63.
Natural weight losses of apricots and grapes during railroad transportation in refrigerator cars. P. A. Alekseev, L. S. Rosnovskii. Khol. tekhn. 40 no. 2:38-40 Mr-Apr '63.

REFRIGERATOR SHIPS see subdivision under Yentsey River

REFRIGERATORS

Heat transfer during the boiling of Freon-12 in a solar refrigerator. K. Taganov, Kh. Il'iasov. Khol. tekhn. 40 no. 2:4-7 Mr-Apr '63.
Server with built-in refrigerator. S. Gutalk, V. Shipiller. Most, prom. i khud. promys. 4 no. 3:13 Mr '63.

REFRIGERATORS—STANDARDS

Standardization of compression and absorption system domestic refrigerators. A. B. Khachaturov. Khol. tekhn. 40 no. 2:32-34 Mr-Apr '63.
Standardization of household refrigerators. T. M. Maksimov. Standartizatsiya 27 no. 2:24-27 F '63.

REFUELING OF AIRPLANES see Airplanes—Refueling

REFUGEES, RUSSIAN see subdivision under Great Britain

REFUGEES, UKRAINIAN—POLITICAL ACTIVITIES

Polikarpenko, H., pseud. [Organization of Ukrainian Nationalists during the Second World War] Organizatsiia Ukrainykykh Natsionalistiv pidchas Druhoi Svitolov vilny. 4., dop. vyd. Za red. B. Mykhailiuka. [Win-nipeg] 1951. 147 p. (In U)

REFUSE AND REFUSE DISPOSAL

Characteristics of industrial wastes from enterprises using pure water as feed water. K. K. Lebedev. Sbor. trud. TSNILKHI no. 14:64-67 '61.

REGENERATION (BOTANY)

Regeneration of cork on the trunks of growing birches. E. I. Adamovich. Bot. zhur. 48 no. 3:373-376 Mr '63.

REGIONAL PLANNING

Problem of regional planning in socialist countries. I. Smoliar. Arkhiv. SSR no. 4:50-60 '63.
Zaitsevskii, I. U., and M. I. Radomyselevskii. [Analysis of the carrying out of a plan for developing the local economy and culture of a region] Analiz vypolneniia plana razvitiia mestnogo khoziaistva i kul'turnogo stroitel'stva raiona. Moskva, Ekonomizdat, 1963. 105 p. (V pomoshch' ekonomistu i planoviku)

REHABILITATION OF CRIMINALS

The rehabilitation of convicts. D. Malyshev. Rad. pravo no. 3:64-65 My-Je '62.

REINDEER

Ecologic and physiologic characteristics of the blood in reindeer. V. K. Gorodetskii. Trudy Inst. morf. zhiv. no. 41:47-60 '62.

REINFORCED CONCRETE

Effect of the initial curvature of longitudinal bars in reinforced concrete on its physical and mechanical properties. V. H. Biazonau. Vestn AN BSSR, Ser. fiz.-tekhn. nav. no. 1:111-118 '63.
Thermal cutting of reinforced concrete with circular friction saws. P. I. Kovalevskii. Mekh. stroit. 20 no. 4:9-10 Apr '63.

REINFORCED CONCRETE—TESTING

Strength and deformability of centrally compressed concrete elements with helical prestressed reinforcement. N. I. Smolin, K. I. Vilkov. Izv. vys. ucheb. zav. i stroit. i arkht. 0 no. 3:37-43 '63.
Tensile of reinforced concrete. G. D. Tsiakrell. Bet. i zheli.-bet. 0 no. 3:124-127 Mr '63.

REINFORCED CONCRETE CONSTRUCTION

The skip pit of a blast furnace at the Kommunar Metallurgical Plant. V. Reva, A. Plakovskii. Prom. stroit. i inzh. soor. 5 no. 2:18-19 Mr-Apr '63.

REINFORCEMENT IN CONCRETE see Concrete reinforcement

RELAPSING FEVER see subdivision under Soviet Central Asia; Turkmenistan

RELATIVITY (PHYSICS)

Deflection of light rays in the gravitational fields of galaxies. I. U. G. Klimov. Dokl. AN SSSR 148 no. 4: 789-792 F '63.
Geometry of the dynamics of nonholonomic systems and its applications. M. O. Kil'chevskii. Prikl. mekh. 0 no. 3:233-237 '63.

RELES, RYHOR L'VOVICH, 1913-

V. Iveshyn's and R. Reles' 50th birthday. Belarus' 20 no. 4:25 Apr '63.

RELIEF (SCULPTURE) see subdivision under Apollonia

RELIGION

Achievements in the study of the cosmos and the atheistic education of students. P. N. Karnitskii. Geog. v shkole 26 no. 2:42-46 Mr-Apr '63.
Attitude of Soviet youth to religion. N. A. Teodorovich. Mat. i soob. Issl. otd. Inst. po izuch. SSSR no. 30/30:103-108 O-N '62.
Facts reveal. Nauka i rel. 4 no. 2:26 F '63.
"A frank talk." Book review. Nauka i rel. 4 no. 2:93 F '63.
Myths and reality. E. Pavlovskii. Nauka i rel. 4 no. 2: 7-9 F '63.
Questions and answers. Nauka i rel. 4 no. 2:94 F '63.
Religion and church abroad. Nauka i rel. 4 no. 2:32-33 F '63.
Talks on religion. B. I. Katagoshchik. Nach. shkola 31 no. 2:52-54 F '63.
Tell the truth to the people; an interview with Konstantin Simonov. Nauka i rel. 4 no. 2:3-6 F '63.

RELIGION—BIBLIOGRAPHY see Bibliography—Religion

RELIGION—CONTROVERSIAL LITERATURE

Gabinski, G. A. ["Crede, quia absurdum"; logic against religion] "Verum, potum chi nelep"; logika protiv religii. Moskva, Gospolitizdat, 1963. 85 p.
[Pamphlet series for the student in the people's university of atheism] Biblioteka slukhcha narodnoho universytetu ateizmu. Kyiv, Derzhpolitytdav, 1962. 8 nos. in 1 v.

Tancher, V. K. [Why we propagate atheism] Chomu my propaguemo ateizm.
Tykhon'ko, I. E. H. [Infinite and limitless world...] Nesvoronyi, bezmoznyi...
Dopenchuk, N. P. [Science and religion on the origin of life] Nauka i religia pro pokhodzhennia zhyttia.
Korotkov, M. D. [From ape to man] Vid mavpy do ludy.

Prykhod'ko, R. S. [The Orthodox Church is the enemy of science and progress] Pravoslav'ia - vorob nauki i progressu.

Tolyak, P. P. [The Vatican in the service of imperialism] Vatikan na sluzhbu imperializmu.
Onyshchenko, O. S. [Futile efforts; how the sectarians try to adopt themselves to Soviet life] Marri namahannia; lak sektanty prystosovutsia do radiana kol dlanosti.
Lampols'kyi, K. I. [Good and evil; a critical evaluation of religious ethics] Pro dobro i zlo; krytyka religioznoi morali.

"Special aspects of religion" by D. M. Ugrinovich. Reviewed by A. D. Sukhov. Vop. filos. 17 no. 4:150-152 '63.

"Talks on religion and science." Reviewed by P. Kolontskii. Kommunist 40 no. 6:122-125 Apr '63.

RELIGION, PRIMITIVE

Against an unfair criticism of my works. V. F. Zybkovets. Vop. ist. 38 no. 4:213-216 Apr '63.

RELIGION AND SCIENCE

Ignorance. Nauka i rel. 4 no. 2:84-85 F '63.
Semiotics are modeling God. A. Kondratov. Nauka i rel. 4 no. 2:12-18 F '63.

RELIGION IN DRAMA

"Stolen souls," review of a play. S. Losev. Nauka i rel. 4 no. 2:91 F '63.

RELIGIONS

Akademiia nauk SSSR. Muzei istorii, religii i ateizma. [Yearbook of the Museum of the History of Religion and Atheism] Ezhegodnik. Moskva, Izd-vo Akad. nauk SSSR.
Vol. 6. [Criticism of contemporary religious ideology] Kritika sovremennoi religioznoi ideologii. 1962. 480 p.

RELIGIOUS ETHICS

Communist and religious morality. Nauka i rel. 4 no. 2:78-83 F '63.

REMOTE CONTROL

Aliev, T. M., and others. [Teledynamometering of deep well pumps] Teledinamometruirovanie glubinnonasosnykh skvazhin. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 101 p.

Automatic temperature checking system on water-supply networks in the permafrost zone. M. N. Sinagina. Sbor. nauch. rab. AKKH no. 12:183-170 '62.

Pneumatic remote control of marine diesel engine system (from "Motortekhnische Zeitschrift," no. 11, 1961; "Shipbuilder and Marine Engine Builder," no. 656, 1962). L. M. Vidutskii. Sudostroenie 20 no. 4:64-67 Apr '63.

Remote control by electric locomotives in unloading cars. L. G. Smagluk. Gor. zhur. no. 3:65-66 Mr '63.

Remote control of rural transformer substations. D. Metrikin, E. Kaplan, M. Ushayeva. Tekhn. v sel'khoz. 23 no. 1:42-44 Jan '63.

Two-speed regulation conditions in single lever remote control. A. Smantser. Rech. transp. 22 no. 3:40-41 Mr '63.

REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur.: Avtom., telem. i vych. tekhn. no. 5 My '63.

REMOTE CONTROL—BIBLIOGRAPHY see Bibliography—Remote control

REMOTE CONTROL—CONGRESSES

The Ninth Scientific and Technical Conference of Young Scientists of the Institute of Automatic and Remote Control. A. L. Raikin, M. V. Rybashov. Avtom. i teism. 24 no. 3:425-428 Mr '63.

RENTAL AUTOMOBILES see Automobiles, Rental

REPETEK REGION—BIRDS

Winter ornithofauna of Repetek. I. U. F. Sapozhenkov. V. E. Sokolov. Ornitologiya no. 4:194-199 '62.

REPIN, IL'IA EFIMOVICH, 1844-1930

Creative history of I. E. Repin's painting "Zaporozhians." M. Chernova. Iskusstvo 25 no. 12:62-64 '62.

RESEARCH

(see also subdivision under Uzbekistan)

At the source of science schools. G. M. Gorodinskii. Vest. vys. shkoly 21 no. 3:44-46 Mr '63.

Concerning the conductance of public review of the fulfillment of plans in research and the introduction of scientific and technical innovations in the national economy. Prom. energ. 17 no. 8:47-48 Ag '62.

The light of Lenin's ideas. M. F. Grin. Priroda 52 no. 4:3-10 '63.

Students as reliable assistants of their department. A. V. Pavlenko, V. K. Toporski. Vest. vys. shkoly 21 no. 3: 46-47 Mr '63.

Successful results and great prospects; annual General Assembly of the Academy. Priroda 52 no. 3:5-6 '63.

RESEARCH, INDUSTRIAL

(see also subdivision under Armenia; Leningrad; Minsk; United States)

State plan of scientific research work. A. Rodin. Mias. ind. SSSR 33 [i. e. 34] no. 2:1-3 '63.

RESEARCH LIBRARIES

The active group in research libraries. M. Vafolomteva. Bibliotekar' no. 4:30-31 Apr '63.

RESERPINE

Characteristics of vascular reactions in hypertensives. A. P. Pressman. Trudy MONIKI no. 5:107-114 '62.

Effect of reserpine on the process of blood coagulation and arterial pressure. E. E. Akopov, G. V. Kuchakova. Vrach. delo no. 3:130 Mr '63.

Use of reserpine for a patient with thyrotoxicosis and chronic nephritis with a nephrotic component. M. I. Livshits. Trudy MONIKI no. 5:231-232 '62.

RESERVOIRS

(see also subdivision under Donetsk Province)

Problem concerning the joining of reservoirs in mountainous areas. D. S. Abnashvili. Trudy Inst. energ. AN Gruz. SSR 10:109-120 '62.

RESIN ACIDS

Determining dehydroabietic, dihydroabietic, and tetrahydroabietic acids content of resins. A. G. Sokolov. Sbor. trud. TSNILKHI no. 14:98-105 '61.

Producing xylitol ester of rosin. Z. Krainova and others. Trudy Ural. lesotekh. inst. no. 17:75-79 '62.

RESINS see Gums and resins

RESINS, SYNTHETIC

(see also subdivision under Uzbekistan)

Amino-phenol resins; literary review. M. I. Arkhipov. A. I. Laktionov. Lakokras. mat. i ikh prim. no. 2:18-21 '63.

Investigating the film forming properties of polysilyan modified with PF-6 alkylid resins. A. A. Abduvaliev and others. Lakokras. mat. i ikh prim. no. 2:17-18 '63.

Properties of fire-resistant unsaturated polyester resins. V. D. Valgin, V. N. Demin, E. B. Petrilenkova. Plast. massy no. 4:14-16 '63.

Use of phosphorus-containing resins in the production of glass-base textolites and plastic foams. E. B. Trostian'skaya and others. Plast. massy no. 4:16-18 '63.

RESORCINOL

Use of resorcinol as an indicator during the complexometric determination of cadmium. B. P. Ershov, A. G. Smirnova. Plast. massy no. 4:61-62 '63.

RESPIRATION

"Dead point" and "second breath." I. U. P. Frolov. Priroda 52 no. 3:36-39 '63.

Effect of the resistance to inhalation on respiration under excessive pressure [with summary in English]. V. N. Alifanov and others. Probl. kosm. biol. 2:287-290 '62.

Gas interchange in lactating cows with various milk yields. V. N. Anisimov. Trudy Kras. SKH 3 no. 1: 55-60 '63.

RESPIRATION (Continued)

Some characteristics of hemodynamics and gas exchange in the pulmonary circulation under the action of transverse acceleration directed ventrodorsally experimental study on animals [with summary in English]. A. A. Kiselev. *Probl. kosm. biol.* 2:231-237 '62.

Some characteristics of the blood and respiration in Karakul sheep. I. S. Nikol'skaya. *Trudy Inst. morf. zhiv.* no. 41:91-128 '62.

Studying the respiration of anaerobic cellulose bacteria. M. M. Rotmistrov, H. O. Nikilin. *Visnyk Kyiv. un.* no. 3, ser. biol. no. 1:80-91 '60.

RESPIRATORS

SP-55 mp filter respirator. G. G. Sobolev. *Nazop. truda y prom.* 6 no. 0:34 Ag '62.

RESPIRATORY ORGANS

Evaluation of the functional condition of the respiratory organs. A. I. Arakcheev. *Sov. med.* 26 no. 1:133-139 Ja '63.

RESPIRATORY ORGANS—DISEASES

Treating diseases of respiratory organs in a balneological health resort. I. I. Blaga. *Vop. kur., fizioter., lech. fiz. kul't.* 28 no. 1:40-52 '63.

Treatment of chronic inflammatory diseases of the upper respiratory tract with hydrosulfide water of Stalin District of the city of Leningrad. T. A. Petrosian. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech.* no. 3:122-120 '50.

RESTAURANT MANAGEMENT

Accurate compass; economic operations of enterprises. I. A. Sokolov. *Obshchestv. pit.* no. 1:3-4 Ja '63.

[New developments in the operations and equipment of public eating facilities] *Novoe v obshchestvennom pitanii.* Moskva, Gosizdat, 1962, 241 p.

Organization of restaurants using semiprocessed products by N. Georgievskii, A. Kocherga, V. Maklunuk. Reviewed by V. Burlakov. *Obshchestv. pit.* no. 1:14-10 Ja '63.

Put a top on all loopholes leading to embezzlement. E. Kolkov. *Obshchestv. pit.* no. 2:30-31 F '63.

Role of the head cook in production. A. Konarov, V. Kuprianova, A. Vokhnovetskii. *Obshchestv. pit.* no. 2:27-28 F '63.

Self-service; more evidence in its favor. I. A. Lindberg. *Obshchestv. pit.* no. 2:55-57 F '63.

RESTAURANTS, LUNCHROOMS, ETC.

Continuous production lines for potato processing. A. Vyshelcenskii. *Obshchestv. pit.* no. 2:40-50 F '63.

Following the course set by Lenin. *Obshchestv. pit.* no. 1:1-2 Ja '63.

From the mailbox. *Obshchestv. pit.* no. 2:44-45 F '63. Gorskoy, A. G., and N. N. Liubimova. [On bus roads; practice in airline passenger service] *Na golubyykh dorogakh; iz opyta obeluzhivaniya passazhiryov vozdukhonogo transporta.* Moskva, Gosizdat, 1962, 39 p.

Let's raise public food service to a new level. V. Zgulin. *Sov. potreby, koop.* 7 no. 2:7-10 F '63.

Letters to the editor. O. Milanova and others. *Obshchestv. pit.* no. 1:30-31 Ja '63.

Lovachova, G. N., and others. [Technical and chemical inspection in public eating facilities] *Tekhnicheskoe i khimicheskoe kontrol' v predpriyatiakh obshchestvennogo pitaniya.* Pod red. D. I. Lotanova. Moskva, Gosizdat, 1962, 105 p.

Railroad workers to get excellent service! E. Zhurav. *Obshchestv. pit.* no. 2:20-21 F '63.

RESTAURANTS, LUNCHROOMS, ETC.—ACCOUNTING

Method of calculating the gross income of enterprises. A. Anisov. *Obshchestv. pit.* no. 1:40-40 Ja '63.

More efficient, simpler and faster methods; taking inventory of capital assets, articles of small value, and rapidly deteriorating materials. A. Babkin, A. Zykov. *Obshchestv. pit.* no. 1:53-55 Ja '63.

Simplify the accounting for products in the stock room and in production. I. Kofman. *Obshchestv. pit.* no. 1:48-52 Ja '63.

RESTAURANTS, LUNCHROOMS, ETC.—AUDITING AND INSPECTION

Place the conservation of socialist property under strict control. G. Dundukov. *Obshchestv. pit.* no. 2:17-20 F '63.

Reliable assistance. I. Belfakov. *Obshchestv. pit.* no. 2:3-6 F '63.

Volunteer inspectors of the "Dynamo" Plant. D. Arkadiev. *Obshchestv. pit.* no. 2:6-7 F '63.

Volunteer inspectors should be given greater authority. V. Storozhenko, A. Zaslukha. *Obshchestv. pit.* no. 2:11-12 F '63.

RESTAURANTS, LUNCHROOMS, ETC.—DESIGN AND CONSTRUCTION

Glass, ceramics, plastics. V. Kokurb, I. U. Filler. *Obshchestv. pit.* no. 2:53-54 F '63.

Restaurant with a store of semiprocessed and ready-to-eat food products. A. Anikeenko, A. Leshchinskii. *Obshchestv. pit.* no. 1:41-43 Ja '63.

RESTAURANTS, LUNCHROOMS, ETC.—EMPLOYEES

Answering with deeds. F. Kozil. *Obshchestv. pit.* no. 1:7 Ja '63.

Role of the chief cook in production (continued). I. Urabanski and others. *Obshchestv. pit.* no. 1:9-10 Ja '63.

Show respect for the cook's honor. A. Shevtsov. *Obshchestv. pit.* no. 1:7-8 Ja '63.

RESTAURANTS, LUNCHROOMS, ETC.—EQUIPMENT AND SUPPLIES

Automatic machine prepares and fries piroshki. M. Pavlyuker. *Obshchestv. pit.* no. 1:34-36 Ja '63.

Device for cutting vegetables into matchlike strips. V. Pyshkin. *Obshchestv. pit.* no. 2:51-52 F '63.

[New developments in the operations and equipment of public eating facilities] *Novoe v obshchestvennom pitanii.* Moskva, Gosizdat, 1962, 241 p.

New labor saving cleaning and polishing preparations. F. Miturin. *Obshchestv. pit.* no. 2:43 F '63.

Production on a large scale for public eating facilities. A. Ivanov. *Obshchestv. pit.* no. 1:5-6 Ja '63.

RESTAURANTS, LUNCHROOMS, ETC.—QUALITY CONTROL

Daily inspection is a prerequisite of successful operations. *Obshchestv. pit.* no. 2:1-2 F '63.

RESTAURANTS, LUNCHROOMS, ETC.—VOCATIONAL GUIDANCE

Production is a training school. M. Pol'skii. *Obshchestv. pit.* no. 2:32-34 F '63.

RETAIL TRADE

(see also subdivision under Akademgorodok; Dnepropetrovsk; Beskaragayskiy District; Borysk District; Kaskelen District; Kazakhstan; Kyzylsay; Lvov Province; Pavlovsk District; Svetlogorsk District; Toren'-Uzyak; Tselinograd Province; Zamos'ye, Priozersk District)

Editor's mail. V. Kolotushkin and others. *Sov. torg.* 36 no. 2:32-33 F '63.

RETAIL TRADE—AUDITING AND INSPECTION

(see also subdivision under Terekhinsky District) The conference in the Ministry of Commerce discussed the scope, efficiency and structure of inspection. *Obshchestv. pit.* no. 2:13-16 F '63.

RETAIL TRADE—BIBLIOGRAPHY see Bibliography—Retail trade

RETAIL TRADE—EQUIPMENT AND SUPPLIES

Mechanization and automation in commerce. N. Goncharov. *Sov. torg.* 36 no. 2:39-43 F '63.

RETAIL TRADE—FINANCE see subdivision under Kazakhstan

RETICULOENDOTHELIAL SYSTEM

Change in the permeability of capillary vessels and the absorption of Congo red from the blood channel by the cells of reticuloendothelium following intravenous injection of thrombin. V. E. Pastorova. *Nauch. dokl. vys. shkoly: biol. nauk* no. 2:105-108 '63.

REVOLUTIONARY POETRY

Bushkova, E. G. [Illegal poetry of revolutionary circles at the end of the 1850's and beginning of the 1860's] *Nelegal'naya poeziya revoliutsionnykh kruzhkov konets 50-kh - nachala 60-kh godov XIX veka.* [Kazan'] Izd-vo Kazanskogo univ., 1961, 40 p. (MI)

REVOLUTIONISTS—CORRESPONDENCE, REMINISCENCES, ETC.

Kruglov, I. S. [Unforgettable years; reminiscences of a participant of three Russian revolutions] *Nezabyvaemye gody; vospominaniya uchastnika trekh russkikh revoliutsii.* Izd. 2, dop. i perer. [Kalinin] Kalinskoe knizhnoe izd-vo, 1961, 108 p. (CS-II)

REWARDS (PRIZES, ETC.)

F. A. Bredikhin prize in 1962. *Priroda* 52 no. 3:106-107 '63.

REYNOLDS NUMBER

Swing of a physical pendulum having cavities filled with a viscous liquid. P. S. Krasnoshechekov. *Prikl. mat. i mekh.* 27 no. 2:183-202 Mr-Apr '63.

RH FACTOR

Hemolytic shock caused by Rh-incompatible blood transfusion. B. G. Sadykov, R. G. Ganetina, N. A. Chermen-skaya. *Kaz. med. zhur.* no. 4:56-57 S-O '62.

RHENIUM

Excursion across the table of Mendeleev (to be continued). L. Kadaner. *Nauka i zhizn* 12 no. 2:44-45 F '63.

Retreatment of converter dusts with the recovery of rhenium. L. I. Zelenkaya, R. A. Baimukanova. *TSvet. met.* 36 no. 4:83-84 Ap '63.

Second All-Union Conference on Rhenium. M. A. Tykina, E. B. Poverova. *TSvet. met.* 36 no. 4:82-83 Ap '63.

RHEOLOGY

Formation and mechanical properties of dispersed structures. Physicochemical mechanics of silicate dispersions. P. A. Rebindar. *Zhur. V KHO* 8 no. 2:162-170 '63.

RHEUMATIC FEVER

(see also subdivision under Great Britain; Ukraine)

Appropos A. G. Kulikovskii's article about our critical comments concerning extensive diagnosis of rheumatic lesions of the brain. L. I. Gelfer. *Vop. revm.* 1 no. 3:89-92 Ji-S '61.

Appropos prof. L. I. Gelfer's article "Some critical comments concerning extensive diagnosis of rheumatic lesions of the brain." A. G. Kulikovskii. *Vop. revm.* 1 no. 3:87-89 Ji-S '61.

Change in the antitoxic function of the liver in children with rheumatic fever during treatment with hydrogen sulfide baths. T. P. Borisova. *Vop. kur., fizioter., lech. fiz. kul't.* 28 no. 1:30-44 '63.

Clinical aspects and diagnosis of the acute phase of rheumatic fever and the interparoxysmal period. V. N. Vinogradov, E. R. Agababova. *Vop. revm.* 1 no. 2:48-52 Ap-Je '61.

Clinicopathogenetic evaluation of a comparative study of medullary hemopoiesis in rheumatic fever and chronic tonsillitis [with summary in English]. A. A. Krylov. *Vop. revm.* 1 no. 3:68-74 Ji-S '61.

Development of edematous syndrome in children with circulatory disorders during the active phase of rheumatic fever [with summary in English]. A. I. Morozov. *Pediatrifa* 41 [1.e.42] no. 2:74-79 F '63.

Diagnosis of rheumatic fever in children. D. D. Lebedev. *Vop. revm.* 1 no. 3:57-59 Ji-S '61.

Differential diagnosis between chronic tonsillogenic intoxication and latent rheumatic fever in children according to the level of static acid in the blood serum. R. M. Shakirzianova. *Kaz. med. zhur.* no. 5:40-41 S-O '62.

Each physician should be armed with a specific plan for the control of rheumatic fever. A. I. Nesterov. *Vop. revm.* 1 no. 3:3-6 Ji-S '61.

Effect of the serums of patients suffering from rheumatism and infectious nonspecific polyarthritis on some tissue cultures [with summary in English]. L. T. Plai, L. S. Primiagi. *Vop. revm.* 3 no. 1:25-31 Ja-Mr '63.

Effectiveness of various methods of treatment for children with active rheumatic fever [with summary in English]. A. V. Dolgoplova, N. N. Kuz'mina, N. F. Batiunina. *Vop. revm.* 1 no. 2:25-33 Ap-Je '61.

General clinical characteristics of cerebral rheumatism [with summary in English]. L. S. Gittik, A. L. Bolotina. *Vop. revm.* 1 no. 3:70-86 Ji-S '61.

Glycoproteins of the blood serum in rheumatic fever [with summary in English]. V. A. Tikhonravov and others. *Vop. revm.* 1 no. 3:60-64 Ji-S '61.

Immediate and late results of the treatment of children with rheumatic fever in the health resort Goryachiy Klyuch. E. M. Mazaletskaya. *Vop. kur., fizioter., lech. fiz. kul't.* 28 no. 1:44-49 '63.

Importance of electrophoretic determination of the glycoproteins and lipoproteins of blood serum in children with rheumatic fever [with summary in English]. E. N. Maksakova, O. S. Shishalovskaya. *Vop. revm.* 3 no. 1:47-53 Ja-Mr '63.

Indicators of antihyaluronidase and antistreptolysin-O in mental patients suffering from rheumatic fever [with summary in English]. S. A. Khurshudian. *Vop. revm.* 3 no. 1:38-47 Ja-Mr '63.

Interparoxysmal period of rheumatism in children and sanatorium-health resort treatment. R. S. Bulanovskaya. *Med. sestra* 21 no. 11:19-24 N '62.

Interrelations between chronic tonsillitis and rheumatic fever (content of static acid in the blood serum of patients suffering from chronic tonsillitis and rheumatic fever) [with summary in English]. V. Z. Pushkin, V. N. Lebedev, L. S. Mospanov. *Vop. revm.* 3 no. 1:85-88 Ja-Mr '63.

Mechanism of the disorders in capillary permeability in rheumatic fever in children [with summary in English]. T. P. Borisova. *Vop. revm.* 1 no. 2:61-69 Ap-Je '61.

Methodological bases of clinical and immunological research on rheumatic fever [with summary in English]. V. I. Ioffe. *Vop. revm.* 1 no. 3:12-16 Ji-S '61.

Neural mechanisms in the pathogenesis of rheumatic fever [with summary in English]. I. A. Bronzov. *Vop. revm.* 1 no. 3:31-40 Ji-S '61.

"Neurorheumatism" by V. V. Mikheev. Reviewed by A. S. Gittik. *Vop. revm.* 1 no. 2:81-92 Ap-Je '61.

Recent state of the problem of rheumatism. E. S. Shnitser. *Trudy MONIKI* no. 5:3-16 '62.

Report on the activity of the All-Union Committee for the Control of Rheumatic Fever (1956 to 1960). A. I. Nesterov, M. G. Astapenko. *Vop. revm.* 1 no. 3:83-94 Ji-S '61.

Rheumatic fever and chronic septic endocarditis in elderly and senile persons. T. V. Korovina, I. A. Iakovleva. *Trudy Kish. gos. med. inst.* 12:120-136 '60.

"Rheumatic fever in children." Reviewed by A. V. Dolgoplova, E. N. Maksakova. *Vop. revm.* 3 no. 1:80-92 Ja-Mr '63.

Rheumatic fever in infants and children of preschool age [with summary in English]. A. R. Abdullaev. *Pediatrifa* 41 [1.e.42] no. 2:89-93 F '63.

- RHEUMATIC FEVER (Continued)**
 Rheumatic lesions of the nervous system. I. E. Poliakov. Med. sestra 21 no. 11:13-16 N '62.
 Rheumatism and the nervous system. A. P. Pressman. Trudy MONIKI no. 5:35-41 '62.
 Significance of a comprehensive examination of proteins, glycoproteins and mucopolysaccharides in rheumatic fever [with summary in English]. O. L. Dukhovnaia. Vop. revm. 1 no. 3:45-52 Ji-S '61.
 State and tasks of the control of rheumatic fever in the U. S. S. R. [with summary in English]. A. G. Safonov. Vop. revm. 1 no. 3:6-11 Ji-S '61.
 Stress and rheumatic diseases [with summary in English]. H. Selye, E. Bajusz. Vop. revm. 1 no. 2:8-10 Ap-Je '61.
 V. A. Valdman's cup test in determining the activity of the rheumatic process. L. N. TSar'kova, I. U. Z. Ostrun. Trudy MONIKI no. 5:29-34 '62.
- RHEUMATIC FEVER—CONGRESSES**
 Orel Province Rheumatological Conference. B. G. Leites. Vop. revm. 1 no. 2:80 Ap-Je '61.
 Results of the All-Union Rheumatological Conference. M. G. Astapenko, N. N. Gritsman. Vop. revm. 1 no. 2:84-89 Ap-Je '61.
 Rheumatological Conference in Stalinak. T. M. Trofimova. Vop. revm. 1 no. 2:88-90 Ap-Je '61.
- RHEUMATIC HEART DISEASE**
 (see also subdivision under Ufa; Ukraine)
 Bathing patients with rheumatic fever and infectious non-specific polyarthritis in mineral water from the Kuybyshev spring for therapeutic and prophylactic purposes [with summary in English]. O. A. Volkova. Vop. revm. 3 no. 1:53-60 Ja-Mr '63.
 Carbohydrate component of mucoprotein in rheumatic patients. G. A. Tsipova. Vrach. delo no. 3:50-53 Mr '63.
 Cardiac aneurysm in rheumatism. T. B. Nikiforova, L. V. Soldatkina. Trudy MONIKI no. 5:251-257 '62.
 Cataplexis of children who have received hormones and drug therapy during an acute attack of rheumatism [with summary in English]. A. V. Dolgoplova, N. N. Kuz'mina, N. F. Batiunina. Vop. revm. 3 no. 1:31-36 Ja-Mr '63.
 Change in the protein and polysaccharide composition of the heart valves at different stages of the disorganization of the connective tissue in rheumatic heart disease [with summary in English]. G. L. Miagkaja. Vop. revm. 3 no. 1:17-24 Ja-Mr '63.
 Characteristics of carditis in the so-called major collagen diseases as compared with rheumatic carditis [with summary in English]. E. M. Tarasov. Vop. revm. 1 no. 2:39-44 Ap-Je '61.
 Clinical aspect of the interparoxysmal period of rheumatism [with summary in English]. B. G. Mirtin. Vrach. delo no. 3:47-49 Mr '63.
 Differential diagnosis between tonsillogenic and rheumatic lesions of the myocardium and the coronary arteries [with summary in English]. R. G. Mezhebovskii. Vop. revm. 1 no. 3:64-68 Ji-S '61.
 Digitalis treatment in cardiac insufficiency developed on a rheumatic basis. S. Sh. Shamsaev. Pediatritia 41 [i.e. 42] no. 2:52-55 F '63.
 Dynamics of the ballistocardiogram in patients with rheumatic heart disease [with summary in English]. G. L. Agranonik. Vop. revm. 3 no. 1:71-75 Ja-Mr '63.
 Hormone and drug therapy in rheumatic carditis [with summary in English]. T. I. Bibikova and others. Vop. revm. 1 no. 2:38-39 Ap-Je '61.
 Importance of Maiten's reaction in determining the activity of the rheumatic process. M. T. Sal'tseva, N. I. Voloshina. Vop. revm. 3 no. 1:76-79 Ja-Mr '63.
 Primary rheumatic tonsillocardiac complex (tonsillitis, mediastinitis, carditis) and the general pathological process in rheumatic fever [with summary in English]. V. K. Beletskii. Vop. revm. 1 no. 2:18-25 Ap-Je '61.
 Recurrent rheumatism, its treatment and prevention. L. N. TSar'kova. Trudy MONIKI no. 5:17-28 '62.
 Rheumatic carditis. E. A. Aleksandrova. Med. sestra 21 no. 11:16-18 N '62.
 Rheumatic fever occurrence in some occupational groups of workers [with summary in English]. M. P. Zaitseva, E. K. Kartasheva. Vop. revm. 1 no. 3:74-79 Ji-S '61.
 Study of some processes of catecholamine metabolism in rheumatic fever (Sokol'skii - Bouillaud's disease) [with summary in English]. L. T. Malaisa and others. Vop. revm. 1 no. 3:52-57 Ji-S '61.
 Therapeutic tactics in the treatment of rheumatic endomyocarditis and myocarditis [with summary in English]. Z. I. Malkin and others. Vop. revm. 1 no. 2:44-48 Ap-Je '61.
 Variability of rheumatic endocarditis [with summary in English]. I. A. Kassirskii. Vop. revm. 1 no. 2:53-54 Ap-Je '61.
- RHEUMATISM**
 Grishina, T. A. [What parents should know about rheumatism in children] Chto nado znat' roditeliam o revmatizme u detei. Moskva, Gos. izd-vo med. lit-ry, 1958. 27 p. (Society of roditeliam) (U)
- RHIZOCTONIA**
 Early deep interrow subsoiling in controlling black scurf of potatoes. T. F. Ryzhkov. Zashch. rast. ot vred. i bol. 6 no. 6:31-32 Je '61.
- RHIZOSPHERE MICROBIOLOGY**
 Development of phosphorus and silicate bacteria in the rhizosphere of some agricultural plants. I. I. Shevtsova. Vop. revm. 1 no. 1. Ser. biol. no. 2:81-84 '58.
 Effect of the conditions of nutrition on the microflora of the rhizosphere of grapevine. S. I. A. Mininberg, M. N. Chernobyl's'ka, I. E. V. Sarduchenko. Vop. revm. 1 no. 2. Ser. biol. no. 1:85-89 '59.
- RHODAMINE—SPECTRA**
 Concentration quenching of the luminescence of alcoholic solutions of rhodamine 6G. E. G. Baranova, V. L. Levahin. Izv. AN SSSR. Ser. fiz. 27 no. 4:554-557 Ap '63.
- RHUBARB**
 (see also subdivision under Karaganda)
 How to prepare compotes, preserves and juice from rhubarb. A. N. Samsonova. Kona. i ov. prom. 18 no. 5:42-43 My '63.
 Rhubarb. Belarus' 20 no. 3:27 Mr '63.
- RIABUSHKIN, ANDREI PETROVICH, 1861-1904**
 Murina, E. B. Andrei Petrovich Riabushkin. Moskva, Sovetskii Khudozhnik, 1961. 55 p. illus. (CIV)
- RIBONUCLEASE**
 Proteolytic and ribonuclease activity of brain homogenates [with summary in English]. I. A. TSariuk. Ukr. biokhim. zhur. 34 no. 5:616-624 '62.
 Ribonuclease in animal blood in the normal state and under the influence of DNA [with summary in English]. I. A. L. Hermantuk. Ukr. biokhim. zhur. 34 no. 5:643-648 '62.
- RICE**
 Wheeled tractors for rice fields. M. Starikov. Tekh. v sel'khoz. 23 no. 1:60-62 Ja '63.
- RICE—FERTILIZERS AND MANURES**
 Krapivenko, L. G. [Effect of fertilizers on rice and their efficient use] Vlianiie udobrenii na ris i ratatona'nos ikh primeneniie. Alma-Ata, Izd-vo Akad. nauk Kazakhskoi SSR, 1962. 44 p. (DNAL)
- RICKETTSIA**
 Isolation of Rickettsia burneti from the bone marrow of guinea pigs in experimental inoculation. T. L. Proresh-nata. Vop. virus. 7 no. 6:745 N-D '62.
- RICKETTSIAL DISEASES**
 Use of the drip-laminar method in producing complement fixation reaction in experimental viral and rickettsial infections. A. I. Iakovlev, V. A. Andreev. Lab. delo 9 no. 3:47-50 Mr '63.
- RIDDLES, UKRAINIAN**
 Akademia nauk URSR. Kiev, Instytut mystetstvo-znavstva, Iol'kloru ta etnografii. [Riddles] Zakhadky. Kyiv, Akad. nauk URSR, 1962. 510 p. (Ukrains'ka narodna tvorchiist') (MH) (NIC)
- RIGA—CONFECTIONERY**
 New varieties of confectionery products. M. G. Voskobitnikova. Khleb. i kond. prom. 7 no. 4:28-29 Ap '63.
- RIGA—HISTORY**
 Miram-Zibens, Janis. [Armed uprising in Riga, January 3, 1919. Translated from the Latvian] Vozruzhennos vosstanie v Rige 3 ianvaria 1919 goda; vospominania. Riga, Latvianka gos. izd-vo, 1959. 115 p. (MJB)
- RIGA—MEDICAL MUSEUMS**
 P. I. Stradins Museum of Medical History. K. I. A. Arons. Zdrav. Ros. Feder. 7 no. 4:31-35 Ap '63.
- RIGA—MOTORBUSES**
 New tiny "Latvia" motorbuses. G. Smuckevich. Za rul. 21 no. 2:18-19 F '63.
- RIGA—PHYSICAL EDUCATION AND TRAINING**
 From the activities of a physical education collective at the Riga Textile Factory. V. I. Molchanova. Teor. i prak. fiz. kult. 26 no. 4:44-47 Ap '63.
- RIGA—TECHNICAL EDUCATION**
 Only one day. Smena 39 no. 12:6 Je '62.
- RIGA, GULF OF—HYDROLOGY**
 Dynamics of the waters of the Gulf of Riga. V. A. Evtushenko. Okeanologiya 3 no. 2:235-242 '63.
- RIGHT OF PROPERTY**
 Pidgrybora, A. A. [Protection of property rights in Roman private law] Zakhyst prava vlasnosti v rym's'komu pryvatnomu pravi. [Kyiv] Vyd-vo Kyiv's'koho univ., 1960. 47 p. (MR-L)
- Some problems concerning the right of private property during the large-scale building of communism. V. Malov. Rad. pravo no. 3:17-24 My-Je '62.
- RIGS, OIL WELL DRILLING** see Oil well drilling rigs
- RING FORMATION** see Cyclization
- RINGS (ALGEBRA)**
 Analysis and synthesis of type C rings. K. de Leeuw, H. Mirkil. Dokl. AN SSSR 148 no. 4:765-767 F '63.
 Some properties of special *-regular rings. K. K. Dzhusseitov. Izv. AN SSSR. Ser. mat. 27 no. 2:270. 286 Mr-Apr '63.
- RINGWORM**
 Conditions of development, clinical aspects, and treatment of ringworm in horses. E. M. Krepyshev. Trudy Kras. SKHI 3 no. 1:100-108 '59.
- RISES AND CEREMONIES**
 Propp, V. I. A. [Russian agrarian holidays] Ruskie agrarnye prazdniki: opyt istoriko-etnograficheskogo issledovaniia. [Leningrad] Izd-vo Leningr. univ., 1963. 142 p.
- RIVERS**
 (see also subdivision under Caucasus, Northern; Georgia; Kirghizistan)
 Distribution of the concentration of suspended particles along the cross section of a free flow. V. I. Vinogradova. Trudy Inst. energ. AN Gruz. SSR 10:3-12 '62.
 Flow of a current against obstacles in mountain rivers. A. N. Kroschkin. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 5:37-49 '62.
- RIZKIN, EFIM ARONOVICH, 1904-1963**
 Efim Aronovich Rizkin; obituary. Elektrosviaz' 17 no. 3:3 of cover Mr '63.
- ROAD CONSTRUCTION**
 (see also subdivision under Krasnoyarsk Territory; Mongol; Ukraine; Volnovakha District)
 Construction of snow and ice roads; from experience in Sweden and Canada. A. S. Gots. Avt. dor. 26 no. 2:28-29 F '63.
 Designing a flow with over-all mechanization in erection of an earth roadbed. P. I. Sorokin. Avt. dor. 26 no. 2:24-28 F '63.
 Mechanized laying of soft limestone pavements. D. A. Rudenko, P. A. Lobas. Avt. dor. 26 no. 4:10-11 Ap '63.
- ROAD CONSTRUCTION—BIBLIOGRAPHY** see Bibliography—Road construction
- ROAD CONSTRUCTION—CONGRESSES**
 Meeting of scientists and industrial workers. M. Rabnovich. Avt. dor. 26 no. 2:3 of cover F '63.
- ROAD CONSTRUCTION—LABOR PRODUCTIVITY**
 The crew is striving for high labor productivity. P. I. Irinevich. Avt. dor. 26 no. 4:8-9 Ap '63.
- ROAD DRAINAGE**
 Draining the drainage blanket on slopes. A. I. Tulayev. Avt. dor. 26 no. 4:18-20 Ap '63.
- ROAD GRADERS** see Graders (Earthmoving machinery)
- ROAD MACHINERY**
 All machines must work to their full capacity. Avt. dor. 26 no. 2:3-4 F '63.
 New road machinery accepted by the Ministry of Construction of the Transportation Industry in 1962. P. K. Simonenko. Avt. dor. 26 no. 2:31-32 F '63.
 Pay more attention to the technical operation of road machinery. V. Prusov. Avt. dor. 26 no. 2:5-6 F '63.
- ROAD MACHINERY—CONGRESSES**
 Conference of chief mechanics in the Main Administration of Road Construction. A. Gantshin. Avt. dor. 26 no. 2:30-31 F '63.
- ROAD MATERIALS**
 Metallurgical slags for road construction. F. S. Klimashov. Avt. dor. 26 no. 2:21-23 F '63.
- ROADS**
 (see also subdivision under Bulgaria)
 Clash of opinions. A. Kungurteev. Avt. dor. 26 no. 4:31 Ap '63.
- ROADS—ABSTRACTS**
 [Highways] Ref. zhur. i Avt. dor. no. 6 My '63.
- ROADS—DESIGN**
 Designing the parabolic longitudinal section of roads. A. F. Burtsev. Izv. vys. ucheb. zav. i skol. i arkhit. 6 no. 3:78-84 '63.
 Raise road design to the level of modern problems. G. S. Noskov, G. S. Chernikov. Avt. dor. 26 no. 4:1-3 Ap '63.
 Standardizing time in transit in relation to natural conditions in the region of road construction. V. A. Bagayeva. Izv. vys. ucheb. zav. i skol. i arkhit. 6 no. 3:72-77 '63.
- ROADS—MAINTENANCE AND REPAIR** see subdivision under Kursk Province; Ukraine

ROADS, GRAVEL

Mechanizing laying of rough surfaces on old road pavements. G. F. Vlasov, Avt. dor. 26 no. 2:13-14 F '63.

ROADS, ICE

Porozhniakov, V. S. [Ice crossings] Ledianye porozhny. Moskva, Avtoizdat, 1963. 86 p. (V pomoshch' stroitel'no sel'skikh dorog)

ROADSIDE IMPROVEMENT see subdivision under Kursk Province; Ukraine

ROBINS

Robins know how the stars move. Nauka i zhizn' 30 no. 1:81-82 Ja '63.

ROCK BOLTS see Mine roof bolting

ROCK BURSTS see subdivision under Czechoslovakia

ROCK PRESSURE

(see also subdivision under Kuznetsk Basin)
Approximate calculation of loads on supports of shaft mouths. A. M. Kozel, N. A. Filatov. [Trudy] VNIMI no. 45:204-218 '62.

Approximate methods of determining the stress state of an elastic rock mass in which circular shafts have been driven. A. S. Kosmodamianskii. [Trudy] VNIMI no. 45:160-163 '62.

Distribution of pressure in intermediate and barrier pillars. V. F. Trumbachov, E. A. Mel'nikov. Nauch. sbor. IGD 11:76-83 '61.

Effect of rock pressure on physical properties of rocks. L. M. Marmorshtein. Trudy NIIGA 132:152-162 '62.

Nature of rock pressure in horizontal workings and planning supports for shaft bottoms. A. M. Kozel. [Trudy] VNIMI no. 45:219-229 '62.

Principles of "checking" deformations of a coal seam before an outburst or blow. N. G. Rusakov. Ugol' 30 no. 4:52-54 Ap '63.

Relation between the length of a longwall and the manifestation of rock pressure in a rock formation. N. M. Zoria, V. P. Prokof'ev. Ugol' Ukr. 7 no. 4:3-5 Ap '63.

Stress state of a rock mass which has been weakened by a large number of square workings. A. S. Kosmodamianskii. [Trudy] VNIMI no. 45:104-203 '62.

Theoretical study of stresses in an elastic anisotropic mass near an elliptical underground working. S. G. Lekhnitskii. [Trudy] VNIMI no. 45:155-170 '62.

ROCK SALT see subdivision under Lithuania

ROCK WOOL see Mineral wool

ROCKET ENGINES—ABSTRACTS

[Aircraft and rocket engines] Ref. zhur.: Av. i raket. dvig. no. 5 My '63.

ROCKETRY—ABSTRACTS

[Rocket building] Ref. zhur.: Raketostr. no. 5 My '63.

ROCKETS (AERONAUTICS)

Acquainting students with the calculations of K. F. Tsiolkovskii. A. M. Palei. Mat. v shkole no. 2:61-66 Mr.-Ap '63.

[Problems of rocket engineering; translations and surveys of foreign periodical literature] Vop. raket. tekhn.; sbor. perev. i obz. inostr. period. lit. 13 nos. 4-5 '63.

ROCKETS (AERONAUTICS)—CONTROLS

Autonomous navigation systems for the control of rocket flights. N. I. Efremov. Mor. sbor. 46 no. 6:66-70 My '63.

ROCKETS (AERONAUTICS)—FUEL

Rocket fuel. IU, Marintu, NTO 5 no. 3:60-61 Mr '63.

ROCKETS (AERONAUTICS)—MODELS

Hydropneumatic rocket. G. I. Ankoakii. Kryn. rod. 14 no. 3:28-27 Mr '63.

A three-stage rocket model. E. Bukh. Kryn. rod. 14 no. 2:27 F '63.

ROCKETS (ORDNANCE)

A bolt of light is heading toward the sky. Mykola Bilous. Ukraina no. 4:4-5 F '63.

They can never relax... E. Gulak. Sov. voyn no. 3:6-8 F '63.

ROCKETS (ORDNANCE)—CONTROLS

Petrov, V. P., and A. A. Sochivko. [Rocket control] Upravleniye raketami. Izd. 2, ispr. i dop. Moskva, Voenizdat, 1963. 263 p.

ROCKS—ANALYSIS

(see also subdivision under Khibiny; Onega District)
New method for analyzing rocks and iron ores. P. N. Efimov. Sov. geol. 8 no. 2:152-155 F '63.

Using the radioisotope method to study the abrasive character of rocks. M. I. Smorodinov. Sbor. trud. MSU no. 39:466-467 '61.

ROCKS—ELASTIC PROPERTIES see subdivision under Chirkey Hydroelectric Power Station

ROCKS—FLUID DYNAMICS

Etce, D. A. [Study of the flow of nonhomogeneous systems] Issledovanie i analiza neodnorodnykh sistem. Leningrad, Gosoptekhzdat, 1963. 350 p.

ROCKS—MAGNETIC PROPERTIES

(see also subdivision under Mirnyy region, Antarctica)
Separating the thermoresidual and viscous components of magnetization by the temperature method. A. S. Bol'shakov. Izv. AN SSSR. Ser. geofiz. no. 4:606-608 Ap '63.

ROCKS—TESTING

(see also subdivision under Moscow Basin; Uzbekistan)

Baron, L. I., and B. M. Logunov. [Analysis of various ways of breaking rocks in connection with designing mining cutter-loaders] Analiz razlichnykh sposobov razrusheniya gornykh porod primenitel'no k sozdaniyu porodoprotivodcheskikh kombinov. Moskva, Tsentr. in-t tekhn. informatsii ugo'noi promysl., 1962. 53 p. (Ser. Ila: Mekhanizatsia i avtomatizatsia dobychi i obogashcheniia uglia i gornoe oborudovanie) [MICROFILM]

Distribution of stresses in irregularly shaped specimens in determining the hardness of rocks under pressure. R. Krapil, K. Lauffer. Ugol' 38 no. 4:88-90 Ap '63.

Re-examine laboratory methods of studying the physico-mechanical parameters of rocks. IU, A. Omlashchenko. Ugol' Ukr. 7 no. 4:15-19 Ap '63.

Stability of nonuniform interchamber pillars. G. N. Kuznetsov, F. P. Dublik, S. T. Kuznetsov. [Trudy] VNIMI no. 45:230-235 '62.

Study of the rupturing of brittle material under local compression. S. A. Brylov. Sbor. trud. MSU no. 39:149-154 '61.

Testing the long-term volumetric hardness of rocks. IU, M. Kartashev. [Trudy] VNIMI no. 45:315-324 '62.

ROCKS, CARBONATE see subdivision under Ural Mountains

ROCKS, CRYSTALLINE AND METAMORPHIC see subdivision under Krivoy Rog Basin

ROCKS, IGNEOUS

(see also subdivision under Bosh-Tau; Kola Peninsula; Siberian Platform; Soviet Central Asia; Soviet Far East; Tien Shan; Ural Mountain region)

Role of rare elements in the solution of a series of geological problems. O. D. Stavrov. Min. syr'ye no. 4:61-68 '62.

ROCKS, SEDIMENTARY

(see also subdivision under Caucasus, Northern; Gazli region; Kursk Magnetic Anomaly; Vitim Plateau; Volga Valley)

Chemicoanalytical characteristics of sedimentary rocks of some oil fields in Georgia. Report No. 1. E. O. Davitashvili and others. Trudy Inst. khim. AN Gruz. SSR 16:21-30 '62.

Pre-Cambrian sedimentary geology. A. V. Sidorenko. Sov. geol. 8 no. 4:4-23 Ap '63.

Rapid method for locating strikes of the most pronounced joint systems. G. V. Charushin. Sov. geol. 6 no. 2: 110-117 F '63.

Role of sorption in the zinc concentration in sedimentary rocks. E. V. Rozhkova, O. V. Shcherbak, V. M. Saakian. Min. syr'ye no. 6:61-74 '62.

ROCKS, SEDIMENTARY—ANALYSIS

Relationship between CaO and MgO in sedimentary rocks and its significance for studying climates of the past. M. P. Nagorskii. Trudy SNIIGGIMS no. 25:165-170 '62.

RODENT CONTROL

Protecting orchards against rodents. K. A. Mamaev. Zashch. rast. ot vred. i bol. 0 no. 11:34-35 N '61.

RODENTIA

Intraspecific variations in small rodents. T. S. Gladkina, M. N. Meier, T. M. Mokeeva. Dokl. AN SSSR 148 no. 4: 962-965 F '63.

RODENTS AS CARRIERS OF DISEASE see subdivision under Turkmenistan

RODENTS AS LABORATORY ANIMALS

New models for experimental study of cutaneous leishmaniasis. P. A. Petrishcheva, E. M. Belova. Vop. kraev. paraz. Turk. SSR 3:139-143 '62.

ROGINSKII, NIKOLAI OSIPOVICH, 1883-1963

An outstanding specialist in the field of railroad automation; 80th anniversary of the birth of N. O. Roginskii. Avtom., telemekh. i aviaz. 7 no. 4:42 Ap '63.

ROLLAND, ROMAIN, 1866-1944

Rolland, Romain. [Richard Strauss and Romain Rolland; a correspondence. Translated from the French] Richard Strauss i Romain Rolland; perepiska, vyderzhki iz dnevnika. Moskva, Gos. muzykal'noe izd-vo, 1960. 214 p. (Iz arkhiva Romana Rollana, no. 3)

ROLLER BEARINGS—MAINTENANCE AND REPAIR

Reconditioning of the radial clearances of cylindrical roller bearings. M. I. Edel'shtein, IU. M. Proskurina. Vest. TSNI MPS 22 no. 1:47-50 '63.

ROLLER-SKATING

Let the rollers jingle under our feet. V. Polikarpov. Sel'. mekh. no. 1:36 Ja '63.

ROLLERS (EARTHWORK)

Soil compaction with a vibratory roller. IU, M. Vasil'ev. Avt. dor. 28 no. 2:11-12 F '63.

ROLLERS (EARTHWORK)—TESTING

Reliability of the D-480 and PVK-25 hitched vibrating rollers. I. P. Borodachev, N. A. Kondrashov. Mekh. stroi. 20 no. 4:10-11 Ap '63.

ROLLING (METALWORK)

Effect of ironing passes in rolling on the properties of low-carbon steel sheet. I. I. Bokov, L. G. Shub. Stal' 23 no. 4:340-343 Ap '63.

Experimental rolling of two-layer sheets. L. V. Meandrov and others. Stal' 23 no. 4:343-345 Ap '63.

Koshka, A. P. [Journey of a steel strip] Puteshestvie stal'noi lent. [Lipetsk, Lipetskoe knizhnoe izd-vo, 1962.] 30 p.

[MICROFILM]

ROLLING MILLS

(see also subdivision under Chelyabinsk; Nikopol')

Determining the optimal conditions for blooming mill operations. V. A. Khoroash and others. Stal' 23 no. 4: 338-340 Ap '63.

New manipulation mechanism for an automatic blooming mill [with summary in English]. S. M. Kozhevnikov, A. V. Pradnykov, E. A. Smoliansky. Prykl. mekh. 9 no. 1:86-93 '63.

Roll mills for processing a mixture of carbon black and pitch. N. I. Solomentsev, A. A. Kozachok. Khim. mashinostr. no. 2:41-42 Mr.-Ap '63.

ROLLING MILLS—DESIGN AND CONSTRUCTION see subdivision under Zhdanov

ROLLING MILLS—ELECTRIC DRIVING

A new system for supplying electric power to roller conveyor motors (from "BBC Mitteilungen," nos. 11 and 12 1961). I. A. E. Vol'kovich. Prom. energ. 18 no. 1:41-42 Ja '63.

Use of synchronous drives in rolling mills with impact load exceeding the static overload rating of the motor. V. I. Pleskov. Trudy GPI 16 no. 5:78-83 '60.

ROLLING MILLS—EQUIPMENT AND SUPPLIES see subdivision under Zhdanov

ROLLING MILLS—MAINTENANCE AND REPAIR

Automatic built-up welding of rolls and equipment parts. A. P. Biriukov. Stal' 23 no. 4:352 Ap '63.

ROLLS (IRON MILLS)

Increasing the durability of thin-sheet mill rolls. L. Cherniavskaya. Met. i gornorud. prom. no. 1:74-75 Ja-F '63.

ROMAN LAW

Pidopryhora, A. A. [Protection of property rights in Roman private law] Zakhyat prava vlasnosti v rym-s'komu pryvatnomu pravi. [Kyiv] Vyd-vo Kyiva'koho univ., 1960. 47 p. (MH-L)

ROMANCE LANGUAGES—GRAMMAR, COMPARATIVE

Comparative study of synonymic pairs. E. M. Vol't. Nauch. dokl. vys. shkoly; filol. nauki no. 1:90-101 '63.

ROMANCE PHILOLOGY—PERIODICALS, 1921-1977

The new periodical "Beitrag zur Romanischen Philologie" in the German Democratic Republic. R. A. Budagov. Nauch. dokl. vys. shkoly; filol. nauki no. 1:173-174 '63.

ROMANOVSKII, VLADISLAV

Young singers. Natalia Shpiller. Sov. muz. 27 no. 4: 90-91 Ap '63.

ROMAS, IAKOV DOROFEEVICH, 1902-

Akademik khudozhestv SSSR. [Honored Artist of the R. S. F. S. R.] Iakov Dorofeevich Romas, Acting Member of the Academy of Artists of the U. S. S. R.; on his 60th birthday and 40 years of creative work. An exhibition catalog. Zashchennyy delatel' Iskusstv RSFSR, delatv-tel'nyi chlen Akademii khudozhestv SSSR Iakov Dorofeevich Romas; k 60-letiyu so dnia rozhdeniia i 40-letiyu tvorcheskoi delatel'nosti. Katalog vystavki. Moskva, 1962. 28 p. plates. (MH)

ROOFING

Efficient design of a built-up roof. A. P. Zhukov. Stroi. i arkhitekt. Len. 25 no. 4:22-23 Ap '63.

ROOFING, BITUMINOUS

Use of cold emulsion bituminous mastic in nonrolled roofs and for waterproofing. I. I. Bushet, G. E. Faingol'd. Stroi. mat. 9 no. 3:17-20 Mr '63.

ROOFING, CONCRETE

Akademii stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Prestressed concrete elements for roofs of industrial buildings in the "Makstroi" Trust] Predvoritel'no napriazhennye zhelezobetonnye konstruktsii dlia pokrytiia promyshlennykh zdani v treste "Makstroi"; Donatskii sovnarkhoz. Moskva, Gosstroizdat, 1962. 30 p.

[MICROFILM]

ROOFING, CONCRETE (Continued)

Akademika stroitel'stva i arkhitektury SSSR, Leningrad-skiy filial. [Mesh-reinforced concrete elements in construction] Armatsementnye konstruktii v stroitel'stve; sbornik nauchnykh soobshchenii. Leningrad, Gosstroizdat, 1963. 177 p.
Roof slab with a cornice. Stroitel'stvo, Len. 25 no. 4: 25 Ap '63.

ROOFING, CONCRETE—TESTING

Testing part of a composite roof. S. Korshunov, G. Akatov. Prom. stroitel'stvo, 5 no. 2:20-24 Mr-Apr '63.

ROOTS

Exterior elements made of asbestos cement and foam plastics. O. Gogol'tsyn, N. Perunov. Na stroitel'stvo, 4 no. 4:18 Ap '63.

ROOTS (BOTANY)

Role of long-rhizome species in the formation of grass stands as related to soil moisture. E. L. Ljubarskii. Bot. zhur. 48 no. 3:403-405 Mr '63.

Role of microorganisms in the decomposition of the roots of natural vegetation in some Azerbaijan soils. S. A. Aliyev, M. A. Gadzhieva. Dokl. AN Azerb. SSR 19 no. 1:45-48 '63.

Root system of Scotch pine in the pine strip forests of the Irtys Valley. I. N. Olovannikova. Trudy Lab. lesoved. 4:111-144 '62.

Some structural characteristics of the subterranean organs of Astragalus retamocarpus Boiss. et. Hohen. P. K. Krasil'nikov. Bot. zhur. 48 no. 2:266-268 F '63.

Structure of the root tip in the embryo of some cotton species. A. S. Dar'ev. Bot. zhur. 48 no. 3:430-436 Mr '63.

Study of the root systems of the Amur cork tree in mixed and pure stands. A. F. Kuchinskii. Bot. zhur. 48 no. 2:258-262 F '63.

Water balance and frost resistance of the root system of wild fruit crops. A. V. Kaplia. Voprosy khr. i sel. khoz. 1:78-88 '60.

ROOTS (BOTANY)—ANATOMY

Some characteristics of the anatomic root structure of Phoenix canariensis hort. as related to growing conditions. V. U. Dydrova'kyl. Voprosy khr. i sel. khoz. 1:23-34 '60.

ROSLAVL' DISTRICT—AGRICULTURAL WORKERS

Nine days in a club. S. Shaboldin. Mol. komm. no. 11: 80-88 N '62.

ROSLIN, TOROS

Cilician manuscript from the year 1290 and its scribe Toros the Philosopher. T. Izmailova. Soob. Gos. Erm. no. 23:45-49 '62.

ROSSINSKI, BORIS ILIODOOROVICH, 1885-

Visiting B. I. Rossinskii. P. Korzinkin. Kryn. rod. 14 no. 3:10 Mr '63.

ROSTOCK, GERMANY—DESCRIPTION

A rejuvenated city on the Baltic coast. Brigitte Martens. Zhorn. mira no. 12:21-23 '62.

ROSTOV—CEMENT INDUSTRIES—BY-PRODUCTS

Throwing dust in one's eyes. A. Sokol'skii. Fin. SSSR 37 no. 4:75-78 Ap '63.

ROSTOV—THEATER

Conflict.... O. Korneva. Teatr 24 no. 3:16-17 Mr '63.

ROSTOV-ON-DON—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Relying on the activists group. V. Chudnov. Pari. zhizn' no. 9:55-57 My '63.

ROSTOV-ON-DON—LIBRARIES

Undisputed strength. P. Aleksandrov. Bibliotekar' no. 4:13-14 Ap '63.

ROSTOV-ON-DON—MOTOR VEHICLES—SOCIETIES, ETC.

Enthusiasm and thrift. G. Popov. Za rud. 21 no. 3:3 Mr '63.

ROSTOV-ON-DON—SHIPS—MAINTENANCE AND REPAIR

With the Rostov ship repair workers. Rech. transp. 22 no. 3:24-25 Mr '63.

ROSTOV PROVINCE—AGRICULTURAL RESEARCH

Good initiative of Rostov residents. I. I. Georgiev. Vest. vyz. shkoly 21 no. 3:75-78 Mr '63.

ROSTOV PROVINCE—COLLECTIVE FARMS—OFFICIALS AND EMPLOYEES

Reducing the administrative personnel on collective farms. V. P. Kufakov. Uchet i fin. v kol'khoz. i sovkh. 20 no. 3:22-24 Mr '63.

ROSTOV PROVINCE—CORN (MAIZE)—DISEASES AND PESTS

Controlling cutworms on corn. G. G. Shteinberg. Zashch. rast. ot vred. i bol. 6 no. 6:29-30 Je '61.

ROSTOV PROVINCE—CUTWORMS—EXTERMINATION

Controlling cutworms on corn. G. G. Shteinberg. Zashch. rast. ot vred. i bol. 6 no. 6:29-30 Je '61.

ROSTOV PROVINCE—EDUCATION, PRESCHOOL

Preschool institutions of Rostov Province. A. Svitko, M. Kamenskaya. Doshk. vosp. 36 no. 3:18-21 Mr '63.

ROSTOV PROVINCE—GREENFINCH

Expansion of the range of the European finch in Rostov Province. V. A. Minoranskii. Ornitologiya no. 4:132-134 '62.

ROSTOV PROVINCE—INDICATOR PLANTS

Indicator plants of watershed soils in the southeastern regions of Rostov Province. O. S. Gorozhankina. Bot. zhur. 48 no. 2:245-250 F '63.

ROSTOV PROVINCE—PLANTS, PROTECTION OF

Each experimental demonstration farm should be provided with an agronomist for plant protection. V. E. Sharkova. Zashch. rast. ot vred. i bol. 6 no. 11:7-8 N '61.

ROSTOV PROVINCE—RUSSIAN LANGUAGE—STUDY AND TEACHING

The entire grade is passing to the next grade. N. S. Rozhdestvenskii, V. A. Kustareva. Nach. shkola 31 no. 2: 12-21 F '63.

ROSTOV PROVINCE—SOILS

Indicator plants of watershed soils in the southeastern regions of Rostov Province. O. S. Gorozhankina. Bot. zhur. 48 no. 2:245-250 F '63.

ROSTOV PROVINCE—TEACHERS

Best teachers of Rostov-on-Don and Rostov Province. Nar. obr. no. 4:48a-48d Ap '63.

ROSTOV PROVINCE—TEACHING

Let's disseminate the experience of Rostov teachers among all the schools. Sov. pedagog. 27 no. 1:3-9 Ja '63.

ROSTOV PROVINCE—TECHNOLOGICAL INNOVATIONS

Best achievements of mechanical engineers of Rostov Province. R. A. Kapitskii. Mashinostroitel' no. 3: 39-40 Mr '63.

ROSTROPOVICH, MTSISLAV LEOPOLD VICH, 1927-

Concerts in different cities. D. Shostakovich and M. Rostropovich on the podium. V. Morozov. Sov. muz. 27 no. 1:108-109 Ja '63.

ROTARY HEARTH FURNACES

Mastering the making of refined ferrochromium in furnaces with a tilting and rotating hearth. M. A. Ryss, S. E. Pigeaov. Stal' 23 no. 4:334-335 Ap '63.

ROTARY KILNS see Kilns, Rotary

ROTATING DISKS see Disks, Rotating

ROTATION OF CROPS see Subdivision under

Alekseyevka District (Belgorod Province); Siberia, Eastern

ROTORS—VIBRATION

Kushul', M. I. A. [Natural vibrations of rotors; dynamics of high-speed spindles] Avtokolobaniya rotorov; dinamika bystrokhodnykh vereten. Moskva, Izd-vo Akad. nauk SSSR, 1963. 184 p.

ROUTE SURVEYING

New instructions for engineering investigations for construction of roads, railroads, pipelines and electric transmission lines. Bliz. stroitel'stvo, 20 no. 3: 20-31 Mr '63.

ROVNO PROVINCE—AGRICULTURE—ACCOUNTING

Business accounting in a tractor brigade. H. I. Onokalo. Mekh. sil', hosp. 14 no. 2:25-27 F '63.

ROVNO PROVINCE—TRACTORS

Business accounting in a tractor brigade. H. I. Onokalo. Mekh. sil', hosp. 14 no. 2:25-27 F '63.

ROWAN

Utilization of phytoncidal plants for the conservation of water. V. G. Bogolubova. Bot. zhur. 48 no. 2:231-234 F '63.

ROWING

Measuring the efforts of oarsmen in university rowing boats. V. I. Akhremchik, S. P. Sarychev, I. U. T. Shapkov. Teor. i prak. fiz. kul't. 28 no. 4:20-31 Ap '63.

ROZHDESTVENSKI, NIKOLAI SERGEEVICH, 1892-

Nikolai Sergeevich Rozhdestvenskii. Nach. shkola 31 no. 2:98 F '63.

RUBAKIN, NIKOLAI ALEKSANDROVICH, 1862-1946

Through the long years; N. A. Rubakin's letters to V. I. Vernadskii. A. G. Chernov. Priroda 62 no. 4:73-74 '63.

RUBBER—TESTING

Mechanism of wear of rubbers [with summary in English]. A. P. Rudakov, E. V. Kuvshinskii. Vysokom. speed. 5 no. 3:417-423 Mr '63.

RUBBER—TRANSPORTATION

Loading and unloading rubber in the Il'ichevsk harbor. D. Takerman, M. Rashkovetskii. Mor. flot 23 no. 1: 11-12 Ja '63.

RUBBER, SYNTHETIC

Effect of the structure of the space lattice on the hysteresis losses in rubber. A. V. Kustova. Prim. ul'trakust. k issl. veshch. no. 16:3-11 '62.
Synthetic rubbers. B. A. Dolgoplosk. Vest. AN SSSR 33 no. 4:9-21 Ap '63.

RUBBER INDUSTRY—FIRES AND FIRE PREVENTION

In search of the right measures. A. Baranov. Pozh. delo 9 no. 4:20-21 Ap '63.

RUBBER PIPE see Pipe, Rubber

RUBBER TIRES see Tires, Rubber

RUBINShteIN, NIKOLAI LEONIDOVICH, 1897-1963

N. L. Rubinshtein; obituary. Vop. ist. 36 no. 4:217 Ap '63.

RUBINSTEIN, ANTON, 1829-1894

"Anton Grigor'evich Rubinstein" by L. Barenboim. Reviewed by L. Kogan. Sov. muz. 27 no. 4:138-139 Ap '63.

RUBLEVO (MOSCOW PROVINCE)—CLOTHING INDUSTRY

With their brakes down. M. Iurenkova, D. Kobylanskii, B. Zolotarev. Okhr. truda i sots. strakh. no. 4:27-29 Ap '63.

RUDENKO, LARYSA

Ukrainian songstresses. A. Shol'p. Sov. muz. 27 no. 1: 81-84 Ja '63.

RUG AND CARPET INDUSTRY

Developing a continuous production line for the receiving and finishing of rug goods. B. E. Fedosenko. Tekst. prom. 23 no. 3:64-67 Mr '63.

RUGOSA

(see also subdivision under Siberian Platform)
Terminology and morphology of rugosa as revealed by the studies of Late Carboniferous and Early Permian corals. G. S. Porfir'ev. Trudy VNIGRI no. 195. Paleont. sbor. no. 3:9-35 '62.

RUMANIA—AGRICULTURE—ECONOMIC ASPECTS

Social and economic changes in the agriculture of the People's Rumania. I. Kymplan. Dokl. TSKHA no. 68: 283-283 '61.

RUMANIA—BIBLIOGRAPHY (THEORY, METHODS, ETC.)

Work of Rumanian libraries in the field of recommended bibliography. A. Lupu. Sov. bibl. no. 1:192-199 '63.

RUMANIA—ECONOMIC CONDITIONS

A transformed country. S. Nikolaev. Agitator no. 15: 26-27 Ag '62.

RUMANIA—EDUCATION

Outstanding educator. Stanciu Stolan. Georgica Mianca. Nar. obr. no. 4:106-107 Ap '63.

RUMANIA—FOREST ECOLOGY

"Forest types of the People's Republic of Rumania" [in Rumanian] by S. Pascovskii and V. Leandru. Reviewed by A. A. Korzhagin, E. P. Matveeva. Bot. zhur. 48 no. 3:455-456 Mr '63.

RUMANIA—ORTHODOX EASTERN CHURCH—PERIODICALS

Review of "Studi Teologice," journal of the theological institutes of the Rumanian Patriarchate, nos. 1-2, 1962. V. Vladimirov. Zhur. Mosk. Patr. no. 3:78-80 Mr '63.

RUMANIA—PLANTS, PROTECTION OF

Achievements of and outlook for plant protection in Rumania. V. Bontea, C. Refeile. Zashch. rast. ot vred. i bol. 6 no. 11:48-49 N '61.

RUMANIA—POLITICAL PRISONERS

T. I. A. Kruchok, a woman member of the revolutionary underground of Bessarabia. V. N. Lungu. Trudy GIKH za 1960:33-42.

RUMANIA—RUSSIAN PERIODICALS

Anniversary of V. I. Lenin's newspaper "Pravda" in Rumania. A. A. Laz'kova. Vop. ist. 36 no. 4:176 Ap '63.

RUMANIA—SYMPHONY ORCHESTRAS

Rumanian Radio Orchestra. Sov. muz. 27 no. 1:103-104 Ja '63.

RUMANIA—TEXTILE INDUSTRY

Textile industry of the Rumanian People's Republic. Tekst. prom. 23 no. 4:11-13 Ap '63.

RUMANIAN LANGUAGE—AFFIXES

Productivity of the suffix "-ino" in Rumanian. B. A. Andrianov. Vop. iaz. i lit. no. 3:20-27 '62.

RUMANIAN LANGUAGE—CASE

Method of teaching the declension of Rumanian nouns. A. S. Sadetskaya. Uch. zap. kaf. zap. inostr. iaz. IMO no. 3:186-202 '60.

RUMANIAN LANGUAGE—GRAMMAR, COMPARATIVE—RUSSIAN

Method of teaching the declension of Rumanian nouns. A. S. Sadetskaya. Uch. zap. kaf. zap. inostr. inz. IMO no. 3:185-202 '60.

RUMANIAN LITERATURE—HISTORY AND CRITICISM

Discussions on literature in Rumania. M. Fridman. Vop. lit. 7 no. 2:92-98 F '63.

RUMEN

Chromatographic analysis of volatile fatty acids in the rumen contents of ruminants [with summary in English]. M. I. Korobko, V. I. Uliukko, V. M. Chertov. Ukr. biokhim. zhur. 34 no. 8:915-923 '62.

RUNDKVIST, ANTON KONSTANTINOVICH, 1928-1902

Anton Konstantinovich Rundkvist; an obituary. Obog. rud. 7 no. 4:57 '62.

RUNNING

Regenerating reactions in middle-distance runners after the training exercises with different objectives. A. P. Bolko, N. I. Volkov, V. M. Zaitovskii. Teor. i prak. fiz. kul't. 26 no. 3:32-35 Mr '63.

RUNOFF

[See also subdivision under Central Chernozem Preserve; Chong-Aksu Valley; Ural River, Orenburg Province]

Fifth All-Union Conference on the Study and Control of Mudflows. S. G. Rustamov. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk i nef'ti no. 8:119-122 '62.

Seminar on the evaluation of underground drainage in rivers. A. M. Grin. Izv. AN SSSR. Ser. geog. no. 2: 156-158 Mr-Apr '63.

RUNWAYS (AERONAUTICS) see subdivision under Vostok Station, Antarctica

RURAL EDUCATION see Education, Rural

RURAL ELECTRIFICATION

Determination of a zone for centralized power supply of rural areas and problems concerning the choice of power sources from beyond this zone. G. V. Shorometov. Elektrichestvo no. 3:5-9 Mr '63.

Use of aluminum wires in rural 35 kv. power distribution networks with wooden poles. A. P. Korshunov. Energetik 11 no. 3:4-5 Mr '63.

RURAL ELECTRIFICATION—HANDBOOKS, MANUALS, ETC.

Durasevich, I. U. E. [Training of rural electricians] Podgotovka sel'skogo elektromontora; iz opyta shkoly pamlati V. I. Lenina v Gorkakh Leningradsk. Pod red. K. A. Ivanovicha. Moskva, Uchpedgiz, 1962. 136 p.

RURAL HOSPITALS see Hospitals, Rural

RURAL LIBRARIES

[See also subdivision under Staro-Turbeyovo; Tajikistan]

Daily attention should be given to readers in the villages. N. Gudkov. Bibliotekar' no. 2:4-6 F '63.

Let us direct reading. E. Shulaghnova. Bibliotekar' no. 4:16-17 Ap '63.

Of those who dare. G. Arshinskaya. Bibliotekar' no. 2:14-17 F '63.

Rural librarian's notes. O. Vasil'eva. Bibliotekar' no. 4:21-24 Ap '63.

RURAL PLANNING

Planning is the basis for rebuilding and developing our villages. SIF, bud. 12 no. 5:1-3 My '62.

RURAL SCHOOLS see subdivision under Ryazan Province

RURAL WATER SUPPLY see Water supply, Rural

RUSSIA

Around us. N. Petrov and others. Ogonek 41 no. 13:17 Mr '63.

"World created by the revolution" [in Sinhalese] by K. M. Sirisena. Reviewed by Z. Matlushina. Kul't. i zhizn' 6 no. 11:45 '62.

RUSSIA—ADMINISTRATIVE AND POLITICAL DIVISIONS

Changes in the administrative and territorial divisions of the Union Republics. Sov. deput. trud. no. 4:66-67 Ap '63.

RUSSIA—AIR FORCE

Our powerful wings. F. Agal'tsov. Agitator no. 15: 21-23 Ag '62.

RUSSIA—ALLIED INTERVENTION, 1918-1920 see subdivision under Ukraine

RUSSIA—ARMED FORCES

Always in combat readiness. D. D. Lelushenko. Za rul. 21 no. 2:1-2 F '63.

Forty-five heroic years. R. IA. Malinovskii. Sov. vojn. 45 no. 3:1-4 F '63.

Keeping watch over our beloved motherland. Kryn. rod. 14 no. 2:1 F '63.

Soviet youth and the army. N. IA. Galai. Mat. i soob. bel. old. Inst. po izuch. SSSR no. 38/39:38-63 O-N '62.

RUSSIA—ARMED FORCES—EDUCATION, NONMILITARY

In the same rank. G. Antonov, V. Denisov. Klub 12 no. 2:18-19 F '63.

RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

In the service of the Soviet Union. A. Lizichev. Mol. komm. no. 2:52-57 F '63.

RUSSIA—ARMED FORCES—SPORTS

They became champions. Sov. vojn. 45 no. 3:43 F '63.

RUSSIA—ARMY

Pages of a glorious history. A. Prokhorov. Sov. foto 23 no. 2:15-17 F '63.

RUSSIA—ARMY—ARTILLERY

Development of Russian artillery in the second half of the 17th century. E. E. Kolosov. Ist. zap. no. 71:259-269 '62.

RUSSIA—ARMY—MEDALS, BADGES, DECORATIONS, ETC.

Decorations of a legendary partisan. Sov. vojn. 45 no. 3:29 F '63.

RUSSIA—CENSUS

"Results of the 1959 all-Union population census." Reviewed by A. Bolarskii. Polit. samobor. 7 no. 3:113-110 Mr '63.

RUSSIA—COMMERCE

Chervinkov, P. A. [Organization and technique of the foreign trade of the U.S.S.R.] Organizatsia i tekhnika vneshei torgovli SSSR. Perer., dop. izd. Moskva, Vneshtorgizdat, 1962. 351 p.

Developing and improving trade relations during the period of the large-scale building of communism. V. Kyforak. Ekon. rad. Ukr. no. 2:62-67 Mr-Apr '63.

"Economics of commerce." Reviewed by A. Bykov and others. Sov. potreb. koop. 7 no. 2:61-64 F '63.

Gogol', B. I. [Commerce during the building of communism] Torgovlia v period stroitel'stva kommunizma. Moskva, Gostorgizdat, 1962. 62 p. (MI)

Iamenfeld, G. M. [Hiring and dismissal of state commerce workers] Priem i uvolnenie rabotnikov gosudarstvennoi torgovli. Moskva, Gostorgizdat, 1962. 88 p. Kolokol'tsov, A. P., and L. I. Bren. [Collection of problems on accounting and auditing in commerce] Sbornik zadach po bukhgalterskomu uchetu i revizii v torgovle. Moskva, Gostorgizdat, 1962. 309 p.

Let's improve the economic basis of planning. L. Genkina, L. Shevryeva. Sov. torg. 36 no. 2:3-6 F '63.

"Jewish grain on the Amsterdam market of the first half of the 17th century" [in Polish] by M. Bogucka. Reviewed by A. I. Khoroshkevich. Vop. ist. 38 no. 4: 199-180 Ap '63.

RUSSIA—COMMERCE—CUBA

U.S.S.R. and Cuba, an example of fraternal cooperation [with English summary in appendix]. Vnesh. torg. 43 no. 4:5-13 '63.

RUSSIA—COMMERCE—FRANCE

Agreement between the U.S.S.R. and France on the mutual delivery of goods for the period 1963-1965. Vnesh. torg. 43 no. 4:56-58 '63.

RUSSIA—COMMERCE—GERMANY, EAST

Socialist cooperation. Ogonek 41 no. 15:3 Ap '63.

RUSSIA—COMMERCE—GREAT BRITAIN

English businessmen in Moscow. D. Trofimov. Vnesh. torg. 43 no. 4:32-33 '63.

RUSSIA—COMMERCE—JAPAN

M. N. Nestorov on his trip to Japan; an interview. Nov. vram. 20 no. 19:23 My '63.

Soviet-Japanese commodity turnover. Vnesh. torg. 43 no. 3:5 '63.

RUSSIA—COMMERCE—POLAND

Development of trade in the interest of both countries (Russia and Poland). Vnesh. torg. 43 no. 4:14-18 '63.

RUSSIA—COMMERCIAL TREATIES

U.S.S.R. trade agreements with foreign countries. Vnesh. torg. 43 no. 3:43-44 '63.

RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Union

RUSSIA—CONSTITUTION

V. I. Lenin as the creator of the first Soviet Constitution. A. Lepeshkin. Sots. zakon. 39 no. 7:4-8 Jl '62.

RUSSIA—CULTURE

"Labor movement and the 'cultural revolution' in Russia" [in German] by D. Geier. Reviewed by A. M. Filitov. Vop. ist. 38 no. 4:180-181 Ap '63.

RUSSIA—DESCRIPTION AND TRAVEL

Kiremov, A. N., and E. Fedorovskii. [Book about a meridian called "the restless straight line"] Kniga ob odnom meridiane pod nazvaniem "Bespokoinaya priamaya". [Moskva] Molodaya gvardia, 1962. 295 p. (RFB)

Maslennikov, E. P., ed. [Call of distant roads; stories of Ural tourists] Zovut dorogi dal'nie; rasskazy ural'skikh turistov. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1961. 346 p. (NN)

"Russian panorama" [in English] by K. P. Sh. Menon. Reviewed by V. Zimin. Mezhdunar. zhizn' 10 no. 5:140-141 My '63.

RUSSIA—DIPLOMATIC AND CONSULAR SERVICE

Soviet consular conventions with the other countries of the socialist camp. I. P. Blishechenko. Uch. zap. IMO no. 10:158-170 '62.

RUSSIA—ECONOMIC CONDITIONS

Achievements of the national economy of the U.S.S.R. during the four years of the seven-year plan. I. A. Erofeev. Geog. v shkole 26 no. 2:9-14 Mr-Apr '63. Along Lenin's road. V. Snastin. Kommunist 40 no. 8: 34-47 Ap '63.

Congress of the builders of communism. Zashch. rast. ot. vred. i bol. 6 no. 11:1-3 N '61.

"The economic life of the U.S.S.R.: a chronicle of facts and events, 1917-1959." Reviewed by I. V. Maevskii and others. Ist. SSSR 7 no. 1:178-181 Ja-F '63.

Hail to thee, our beautiful spring! Ukraina no. 6:1 Mr '63.

How to study the theme "The party as the inspirer and organizer of the large-scale building of communism, 1959-1961." S. Solomakhov. Komm. Bel. 37 no. 3:45-50 Mr '63.

Lenin's ideas show us the path toward communism. Komm. Ukr. 38 no. 4:2-10 Ap '63.

Over the map of the land. V. V. Pokshishevskii. Kul't. i zhizn' 6 no. 11:5-9 '62.

Present-day problems of the Soviet people. Belarus' 20 no. 3:1 Mr '63.

Progressive march of the seven-year plan. Masl. -zhir. prom. 29 no. 3:1 Mr '63.

Reaching new milestones. IUn. tekhn. 7 no. 12:2-4 D '62.

Role of youth in the development of the present-day Soviet economy. F. Gaenko. Mat. i soob. bel. old. Inst. po izuch. SSSR no. 38/39:23-27 O-N '62.

State regulation of the Russian national economy [with summary in English, pp. 220-221]. V. I. Laverychev. Vop. ist. 38 no. 4:50-62 Ap '63.

Victorious march of Leninism. Komm. Ukr. 38 no. 3: 62-70 Mr '63.

RUSSIA—ECONOMIC GEOGRAPHY see Geography, Economic

RUSSIA—ECONOMIC POLICY

All hidden potentialities should be mobilized in the service of communism! IU. Torsuev. Mol. komm. no. 2:11-12 F '63.

A coordinating conference on the problem of modern technology and the economic efficiency of capital investments. A. I. Shuster. Vest. AN SSSR 33 no. 4: 105-108 Ap '63.

The increasing significance of pace and the time factor in creating the material and technical base of communism. I. A. Tkhanov. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Polit. ekon. no. 5:45-72 '62.

Indices, accounting and planning. V. Vaisburd. Nar. khoz. Uzb. 5 no. 2:47-54 F '63.

Kolodnyi, M. G., and A. P. Stepanov. [Planning of the national economy of the U.S.S.R.] Planirovaniye narodnogo khozaystva SSSR. [Kiev] Izd-vo Kievskogo univ., 1963. 371 p.

Main economic task and fundamental means for solving it. F. V. Sol'in, V. F. Stel'mashchuk. Uch. zap. kaf. obshchestv. nauk vuz. g. Len.; Polit. ekon. no. 5:3-30 '62.

Material balance and production. V. Skrebnev. Nar. khoz. Uzb. 4 no. 1:22-25 Ja '63.

Measures worked out by the Committee for Fulfilling Decisions of the November 1962 Plenum of the Central Committee of the CPSU. E. A. Parfenov. Biol. tekhn. - ekon. Inform. Gos. nauch. - issl. inst. nauch. i tekhn. Inform. no. 3:68-71 '63.

Moskalev, M. A. [Control by Lenin's method] Kontrol' po-leninski. Moskva, Izd-vo "Znanie," 1963. 29 p. (Novoe v zhizni, nauke, tekhnike, i Seria: Istoriya, no. 7)

Our goal is peace, creativeness and communism. Inostr. jaz. v shkole no. 1:3-6 Ja-F '63.

"Program of the CPSU, 1963-1961" [in German] by Boris Meissner. Reviewed by B. Korolev. Polit. samobor. 7 no. 3:139-144 Mr '63.

Regular tendencies of economic development during the period of transition to communism as discussed at a conference in Moscow. B. V. Rukhtskii, A. F. Sokolovskii. Vest. AN SSSR 33 no. 4:102-105 Ap '63.

Resolutions of the November 1962 plenum of the Central Committee of the CPSU on improving the state guidance of the national economy are being applied. TSvet. met. 36 no. 4:1-6 Ap '63.

Riabchun, P. T. [Great international problem. The building of communism is a great international problem of the Soviet people] Velikaya internacional'naya zadacha. Postroyeniye kommunisticheskogo naroda. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike, i Seria: Istoriya, no. 6)

- RUSSIA—ECONOMIC POLICY (Continued)**
Russia (1923—U.S.S.R.) Verkhovnyi Sovet. [Materials of the second session of the Sixth Supreme Soviet of the U.S.S.R., December 10-13, 1962] Materialy vtoroi sessii Verkhovnogo Soveia SSSR shestogo sozyva 10-13 dekabria 1962 goda. Moskva, Izd-vo ekon. lit-ry, 1962, 119 p.
 DNAL
 Take care of the mother country! Sov. voen 45 no. 3: 23-24 F '63.
 This is the Lenin policy! Koop. Kazakh. 5 no. 12:3-6 D '62.
 Toward new successes in the building of communism! Fiz. v shkole 23 no. 1:3-5 Ja-F '63.
 Work in the Council of Labor and Defense. V. Smol'taninov. Nar. khoz. Uzb. 5 no. 4:46-50 Ap '63.
- RUSSIA—ECONOMIC POLICY—BIBLIOGRAPHY**
 Bibliographical aids for students of the program of the CPSU. Polit. samoochr. 7 no. 3:137-138 Mr '63.
- RUSSIA—FEBRUARY REVOLUTION, 1917**
 The Bolshevik Party during the World Imperialist War; the Second Revolution in Russia, 1914-February 1917. Komm. Ukr. 38 no. 3:74-78 Mr '63.
- RUSSIA—FOREIGN ECONOMIC RELATIONS**
 Triumph of Lenin's principles. Vnesh. torg. 43 no. 4:3-4 '63.
 Uzbekistan in the foreign economic relations of the U.S.S.R. Kh. Bogdanov. Komm. Uz. 35 no. 3:65-61 Mr '63.
- RUSSIA—FOREIGN ECONOMIC RELATIONS—AFGHANISTAN**
 Human friendship is priceless. Samat Abduvaliev. Nar. khoz. Uzb. 5 no. 2:66-68 F '63.
- RUSSIA—FOREIGN ECONOMIC RELATIONS—VIETNAM, NORTH**
 Trade and economic cooperation between the U.S.S.R. and the Democratic Republic of Vietnam [with summary in appendix]. M. Botin, A. Millukov, P. Norenkov. Vnesh. torg. 43 no. 3:3-5 '63.
- RUSSIA—FOREIGN RELATIONS**
 Along Lenin's road. V. Snastin. Kommunist 40 no. 6: 34-47 Ap '63.
 [Complete and final victory of socialism in the U.S.S.R.] Polnata i okonchatel'naya pobeda sotsializma v SSSR. Moskva, Vysshaya shkola, 1963. 161 p. (Materialy k lektsiiam po istorii KPSS)
 "History of the international relations and foreign policy of the U.S.S.R." Vol. 2, 1939-1945. Reviewed by V. Popov. Mezhdunar. zhizn' 10 no. 5:135-137 My '63.
 The Leninist policy of peaceful coexistence. V. Mikhnev. Mol. komm. no. 2:18-25 F '63.
 Lenin's principle of peaceful coexistence and modern times. I. Lermis. Mir, ekon. i mezhdunar. otn. no. 4: 3-15 '63.
 "Peaceful coexistence is the Leninist course of Soviet foreign policy." Reviewed by N. I. Lebedev. Vop. ist. 38 no. 4:109-111 Ap '63.
 "Peaceful coexistence is the Leninist principle of the foreign policy of the Soviet Union," edited by A. A. Gromyko. Reviewed by M. Sturua. Mir, ekon. i mezhdunar. otn. no. 4:144-145 '63.
 "Russian foreign policy in the 10th and the early 20th centuries." Vol. 6 (1811-1812). Reviewed by A. M. Stanislavskaya. Vop. ist. 38 no. 4:127-130 Ap '63.
 Unfair criticism of a sober evaluation of international relations. O. S. Pavlov. Vop. ist. 38 no. 4:181-182 Ap '63.
- RUSSIA—FOREIGN RELATIONS—CHINA**
 "The Far East Republic and China; role of the Far East Republic in Soviet efforts to befriend China, 1920-1922" by M. A. Persils. Reviewed by L. A. Bereznyi. Vop. ist. 38 no. 4:111-113 Ap '63.
 Kazanin, M. I. [Notes of a mission secretary; a page from the early history of Soviet diplomacy] Zapiska sekretaria missii; stranichka istorii pervykh let sovetsskoi diplomatii. Moskva, Izd-vo vostochnoi lit-ry, 1962. 157 p. (DS)
- RUSSIA—FOREIGN RELATIONS—CUBA**
 Fidel Castro in Moscow. Sergei L'vov. Nov. vrem. 20 no. 19:6-9 My '63.
 Havana and Moscow. Nov. vrem. 20 no. 19:1-3 My '63.
 [Peoples of the U.S.S.R. and Cuba forever together; documents of Soviet Cuban friendship] Narody SSSR i Kubynavski vmeste; dokumenty sovetssko-kubinskoi družby. Moskva, Izd-vo "Pravda," 1963. 446 p.
- RUSSIA—FOREIGN RELATIONS—FINLAND**
 Friendly relations between our countries. Ukraina no. 6: 4 Mr '63.
 Wonderful example for the whole world. Ogonek 41 no. 15:7 Ap '63.
- RUSSIA—FOREIGN RELATIONS—JAPAN**
 "History of Russo-Japanese diplomatic relations" by L. N. Kutakov. Reviewed by M. S. Kapitan. Ist. SSSR 7 no. 1:186-189 Ja-F '63.
- RUSSIA—GEOGRAPHY** *see* Geography
- RUSSIA—HISTORIOGRAPHY**
 Aglakhov, V. I. [A lecture course on Russian historiography] Kurs lektsii po russkoi istoriografii. Khar'kov, Izd-vo Khar'kovskogo gos. univ. Pt. 2. [Period of industrial capitalism] Epokha promyshlennogo kapitalizma. 1962. 208 p.
- RUSSIA—HISTORY**
 All-Union competition of Pioneer detachments. Prep. ist. v shkole 18 no. 2:71-76 Mr-Apr '63.
 Brief notes. Vop. ist. 38 no. 4:156-161 Ap '63.
 "Dad'ki" in ancient Russia. V. K. Gardanov. Ist. zap. no. 71:236-250 '62.
 Following the living tracks of history. Uzbekiston 21 no. 11:8-9 N '62.
 One hundredth anniversary of the rising of 1863-1864. Vest. AN SSSR 33 no. 4:115-116 Ap '63.
 Preparation and carrying out of the total collectivization of agriculture in the U.S.S.R. L. E. Zelenin. Prep. ist. v shkole 18 no. 2:7-10 Mr-Apr '63.
 Structure and content of a textbook on local history. I. A. Vostrikov, A. I. Kiperman, V. V. Petrov. Prep. ist. v shkole 18 no. 2:102-108 Mr-Apr '63.
 Studies on the history of imperialism in Russia. A. L. Sidorov. Vop. ist. 38 no. 4:121-126 Ap '63.
 Slurko, L. O. [World-wide significance of the establishment of the U.S.S.R.] Svitove znachenia utvorennia Soluzu RSR, 1922-1924 rr. [Kyiv] Vyd-vo Kyivs'koho univ., 1960. 205 p. (MH) (NNC)
 Ul'ianov, N. [Russia's historical experiment] Istoricheskiy opyt Rossii. New York [Rausen, printer] 1962. 31 p. (VIMM)
 Zemskii Sobor of 1566. A. A. Zimin. Ist. zap. no. 71: 196-235 '62.
- RUSSIA—HISTORY—AUDIO-VISUAL AIDS**
 Handbook for the study of illustrated material on the history of the U.S.S.R. course for grades nine and ten" by I. M. Timofeev, M. P. Khabarov. Book review. Prep. ist. v shkole 18 no. 2:117 Mr-Apr '63.
- RUSSIA—HISTORY—BIBLIOGRAPHY**
 Moscow. Gosudarstvennaya publikatsionnaya istoricheskaya biblioteka. [History of the U.S.S.R., annotated bibliography for secondary school teachers] Istoriia SSSR; annotirovanniy ukazatel' literatury dlia uchiteloi srednei shkoly. 4. Izd., 1. dop. Pod red. S. S. Dmitrieva. Moskva, Izd-vo Vses. knizhnoe palaty, no. 1, 1962. 246 p.
- RUSSIA—HISTORY—CHRONOLOGY**
 "Bibliography of Russian chronicles" by R. P. Dmitrieva. Reviewed by I. I. Dzyra. Ukr. ist. zhur. 0 no. 2:163-155 Mr-Apr '63.
- RUSSIA—HISTORY—FICTION**
 The Russian Middle Ages in Soviet historical fiction. V. T. Pashuto. Ist. SSSR 7 no. 1:83-118 Ja-F '63.
- RUSSIA—HISTORY—SOURCES**
 Annals of Rostov and Suzdal' in the middle of the 12th century; "the chronicle of Iurii Dolgorukii." IU. A. Litmonov. Ist. zap. no. 72:184-210 '62.
 "Russian news; a tale in verse written by a Russian serf, 1830-1840." Reviewed by L. B. Genkin. Ist. SSSR 7 no. 1:196-199 Ja-F '63.
 "Under the two-headed eagle"; reminiscences of a German officer who served in the Russian Army, 1789-1814" [in German]. Reviewed by E. I. Druzhinina. Ist. SSSR 7 no. 1:211-218 Ja-F '63.
- RUSSIA—HISTORY—STUDY AND TEACHING**
 "Contact with the present and local aspects of a history course." Book review. Prep. ist. v shkole 18 no. 2:111 Mr-Apr '63.
 "Extracurricular work on local history in schools" by V. S. Potrenko. Reviewed by R. A. Abramovich, A. N. Khmelev. Prep. ist. v shkole 18 no. 2:116 Mr-Apr '63.
 "History of the U.S.S.R." by V. L. Poljakov, E. K. Rozov, V. G. Ruslakov. Book review. Prep. ist. v shkole 18 no. 2:116-118 Mr-Apr '63.
 "Lessons of the elementary course on the history of the U.S.S.R. in the seventh grade" by S. E. Levin. Reviewed by V. Baislan. Prep. ist. v shkole 18 no. 2:112-113 Mr-Apr '63.
 "Studying the elementary course on the history of the U.S.S.R. in the seventh grade" by P. S. Leibengrub. Reviewed by N. Prokina. Prep. ist. v shkole 18 no. 2: 109-112 Mr-Apr '63.
- RUSSIA—HISTORY, NAVAL**
 Flotilla of the Arctic Ocean during the civil war. N. A. Zalevskii. Ist. zap. no. 71:251-258 '62.
- RUSSIA—INDUSTRIES**
 The "Communist Youth League searchlight" in action. Mol. komm. no. 2:13-17 F '63.
 "Economics of socialist industry." Book review 15/10. Polit. samoochr. 7 no. 3:124-125 Mr '63.
 Figures in political talks. B. Mar'ianov. Agitator no. 14:41-44 JI '62.
- Rapid development of Soviet heavy industry in 1946-1956. A. F. Khavin. Ist. SSSR 7 no. 1:22-47 Ja-F '63.
- Vvodenski, A. A.** [The House of Stroganov in the 16th and 17th centuries] Dom Stroganovykh v XVI-XVII vekakh. Moskva, Sotsekgiz, 1962. 308 p.
- RUSSIA—INVASION OF 1812**
 Heroic deeds of the Russian people and their Army. A. Stokov. Agitator no. 15:18-19 Ag '62.
 "Home guard in the Patriotic War of 1812." Reviewed by V. T. Bilan. Ukr. ist. zhur. 0 no. 2:161-163 Mr-Apr '63.
 "Leaflets of the Patriotic War of 1812." Reviewed by V. K. Chelovnikov. Ist. SSSR 7 no. 1:198-201 Ja-F '63.
 "The Patriotic War of 1812" by L. G. Beskrovnyi. Reviewed by I. I. Rostunov. Ist. SSSR 7 no. 1:193-195 Ja-F '63.
 Reflection of the Patriotic War of 1812 in Ukrainian folklore. P. D. Pavlii, P. K. Siroian. Nar. tvorchi. otn. 6 no. 4:81-86 O-D '62.
 Relics of our battle glory; documents and materials of the new exposition in the Historical Museum. R. E. Al'tshuller, S. V. Klinova. Ist. SSSR 7 no. 1:228-233 Ja-F '63.
 Role and number of the Moscow home guards in 1812. P. M. Volodin. Ist. zap. no. 72:246-258 '62.
 Ukrainian home guards in 1812. B. S. Abalkhin. Ist. zap. no. 72:87-116 '62.
- RUSSIA—INVASION OF 1812—BIBLIOGRAPHY**
 Moscow. Publichnaya biblioteka. [Unforgettable heresies of the Russian people; the Patriotic War of 1812; annotated bibliography of recommended reading] Besmertnyi podvig naroda; Otechestvennaya volna 1812 goda. Rekomendatsii i ukazatel' literatury. Moskva, 1961. 30 p.
- RUSSIA—INVASION OF 1812—MEDICAL AND SANITARY AFFAIRS**
 "Medical service during the Patriotic War of 1812" by V. M. Korneev, L. V. Mikhailov. Reviewed by V. Ch. Brzheskii. Ortop., travm. i protez. 23 no. 1:90-91 N '62.
 Medicine and medicines in the Patriotic War of 1812. M. K. Kuz'min. Sov. med. 26 no. 1:142-144 Ja '63.
- RUSSIA—LANGUAGES**
 All-Union conference on the principles of the development of literary languages during the Soviet epoch. S. Ainaev, S. Altaev. Izv. AN Turk. SSR, Sor. obshchestv. nauk no. 1:96-98 '63.
 The building of communism and the development of national languages. K. Khanazarov. Obshchestv. nauki v Uz. 7 no. 3:12-18 '63.
- RUSSIA—LITERATURES**
 Amid-periodicals and newspapers. Vop. ist. 7 no. 2: 239-240 F '63.
 Basic principles of Soviet literature. V. Mogilevskii. Komm. Uz. 35 no. 3:75-84 Mr '63.
 Brief news. Vop. ist. 7 no. 2:240-256 F '63.
 International roots of Soviet literature. V. Chalmayev. Kommunist 40 no. 7:80-93 My '63.
 Writers comment on traditions and innovations (conclusion). Grigorii Baklanov and others. Vop. ist. 7 no. 2:40-64 F '63.
- RUSSIA—MANUFACTURES**
 Averting the output of unmarketable products. O. Lavru-shin, I. Novikov. Den. i kred. 21 no. 4:17-21 Ap '63.
- RUSSIA—MAPS**
 "Our homeland," a school atlas. Reviewed by A. M. Kirillov, B. A. Zarutskii. Nach. shkola 31 no. 3:83-85 Mr '63.
- RUSSIA—NAVY**
 Forward, toward communism. Mor. sbor. 46 no. 5:3-7 My '63.
 On ships, in units, and in naval commands. Mor. sbor. 46 no. 5:74-76 My '63.
- RUSSIA—NAVY—FIREARMS**
 Protection and correct use of weapons and combat equipment. V. M. Lozovskii. Mor. sbor. 46 no. 5:81-85 My '63.
- RUSSIA—NAVY—OFFICERS**
 Preparing officer cadres to meet modern requirements. S. E. Zakharov. Mor. sbor. 46 no. 5:8-13 My '63.
- RUSSIA—NAVY—ORGANIZATION**
 Communications, information, and automatic control in the command of the armed forces. G. G. Tolstolutski. Mor. sbor. 46 no. 5:14-23 My '63.
- RUSSIA—OFFICIALS AND EMPLOYEES**
 Supervisor and the education of workers. G. Ukhov. Kommunist 40 no. 6:92-98 Ap '63.
- RUSSIA—POLITICS AND GOVERNMENT**
 Along Lenin's road. V. Snastin. Kommunist 40 no. 6: 34-47 Ap '63.
 Berkhin, I. B. [From the dictatorship of the proletariat to the national state] Ot gosudarstva diktatury proletariata k obshchenarodnomu gosudarstvu; Istoricheskiy ocherk. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seria: Istoriia, no. 8)

RUSSIA — POLITICS AND GOVERNMENT (Continued)

Brief information at a conference of the Institute. M. D. Santerr. Mat. i soob. 1951, old. Inst. po izuch. SSSR no. 36/39:144-148 O-N '62.

Brief news of the work of the soviets. Sov. deput. trud. no. 4:103-104 Ap '63.

Communism is a highly effective organization of human society. Kommunist 40 no. 7:3-11 My '63.

The Communist Party in the struggle for the consolidation and development of socialist society; strengthening of national defense, 1937-June 1941. Komm. Ukr. 30 no. 3:78-82 Mr '63.

The development of Soviet democracy. Rad. pravo no. 2: 10-19 Mr-Apr '63.

[Gazette of the Supreme Soviet of the R. S. F. S. R.] Ved. Verkh. Sov. RSFSR 7 nos. 16-17 Ap-May '63.

[Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. SSSR 26 nos. 19-22 My '63.

Glorious anniversary. I. P. Kozhukalo, IE. P. Talan. Ukr. ist. zhur. 6 no. 2:103-104 Mr-Apr '63.

How a socialist state develops into communist communal self-government. M. Z. Belova. Uch. zap. kaf. dial. i ist. mat. no. 3:65-70 '63.

Lenin, V. I. [Current objectives of the Soviet government] Ocherednye zadachi sovetской vlasti. [Moskva] Gos. izd-vo polit. lit-ry, 1953. 97 p. (U)

Lenin, V. I. [International significance of the experience of the CPSU] O mezhdunarodnom znachenii opyta KPSS. Moskva, Gospolitizdat, 1953. 707 p.

A meeting dedicated to the 40th anniversary of the formation of the Soviet Union. A. Mansurov. Obshchestv. nauki v Uz. 7 no. 3:53 '63.

Pavelkin, P. A. [The Soviet regime is the highest form of democracy] Sovetskaya vlast' - vysshaya forma demokratii. [Moskva] Gos. izd-vo polit. lit-ry, 1950. 62 p. (U)

"Program of the CPSU, 1903-1901" [in German] by Boris Melissner. Reviewed by B. Korolev. Polit. samoochr. 7 no. 3:139-144 Mr '63.

Promoting the Leninist principles of the development of the Communist Party and the Soviet state. V. Serdiuk. Komm. Ukr. 30 no. 4:34-41 Ap '63.

Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet. [Meetings of the Fifth Supreme Soviet of the R. S. F. S. R., seventh session, December 10-20, 1952; verbal report] Zasedaniia Verkhovnogo Soveta RSFSR platogo sozyva; sed'maya sessiia (10-20 dekabrja 1952 g.) Stenograficheski otchet. [Moskva] Izd. Verkhovnogo Soveta RSFSR, 1953. 202 p.

Russia (1923- U. S. S. R.) Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the U. S. S. R., second session, December 10-13, 1952; verbal report] Zasedaniia Verkhovnogo Soveta SSSR (shestogo sozyva) vtoraya sessiia, 10-13 dekabrja 1952 g. Stenograficheski otchet. [Moskva] Izd. Verkhovnogo Soveta SSSR, 1953. 614 p.

Some features of the national socialist state. B. V. Shchetinin. Izv. vys. ucheb. zav. i prav. 0 no. 2:12-21 '62.

"The Soviet multinational state" by A. Agzamkhodzhaev. Reviewed by M. Lutskii. Komm. Uz. 36 no. 3:92-95 Mr '63.

The Soviet people are the builders of communism. V. Liventsov, IU. Shirinaev. Komm. Ukr. 30 no. 4: 27-33 Ap '63.

Soviet youth as the mainstay of the Soviet regime. A. I. Lebed'. Mat. i soob. 1951, old. Inst. po izuch. SSSR no. 36/39:3-22 O-N '62.

Tenenbaum, V. O. [Government by the people; a talk on Soviet democracy] Narod - vlastelin; osnova o sovetskoi demokratii. Moskva, Gosizdat, 1953. 23 p.

A unified system of party and state control. S. Pritytskii. Komm. Bol. 37 no. 3:12-17 Mr '63.

V. I. Lenin on the correlation of economic and political factors in the building of a new society. G. Glezerman. Kommunist 40 no. 7:30-40 My '63.

RUSSIA—POLITICS AND GOVERNMENT—BIBLIOGRAPHY

Bibliographical aids for students of the program of the CPSU. Polit. samoochr. 7 no. 3:137-138 Mr '63.

RUSSIA—POPULATION

Zvonkov, V. F. [Socialist law of population] Sotsialisticheskii zakon narodonaseleniia. Leningrad, Ob-vo po raspr. polit. i nauchn. znaniu RSFSR, 1958. 43 p. (NNC)

RUSSIA—POPULATION—STATISTICS

National distribution of youth in the U. S. S. R. according to data of Soviet demographic statistics. IU. P. Mironenko. Mat. i soob. 1951, old. Inst. po izuch. SSSR no. 36/39:135-139 O-N '62.

RUSSIA—RELATIONS (GENERAL) WITH ALGERIA

With open eyes. Sov. pech. no. 3:65 Mr '63.

RUSSIA—RELATIONS (GENERAL) WITH Bessarabia

Activities of the Bessarabian Section of the "Friends of the U. S. S. R." Society in 1934. D. E. Antonuk. Trudy GIKM za 1960:6-31.

RUSSIA—RELATIONS (GENERAL) WITH CHECHEN-INGUSH A. S. S. R.

Grigorenko, N. P. [Sources of the friendship of the Chechen-Ingush people with the great Russian people] Istoki druzhby checheno-Ingushskogo naroda s velikim russkim narodom. Groznyi, Checheno-Ingushskoe otделение Obshchestva po rasprostraneniui politicheskikh i nauchnykh znaniu RSFSR, 1952. 35 p. (MH)

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

Friendly contacts will be developed. M. Tkach. NTO 5 no. 3:56-58 Mr '63.

V. I. Lenin and the development of the cultural and scientific contacts of Soviet Russia with foreign countries, 1920-1924. A. M. Gak. Vop. ist. 38 no. 4:198-204 Ap '63.

RUSSIA—RELATIONS (GENERAL) WITH GREECE

From the cities of Hellen. G. Fedoseev. Sov. pech. no. 3:56 Mr '63.

RUSSIA—RELATIONS (GENERAL) WITH ITALY

Visits, meetings and conversations. Kul't. i zhizn' 6 no. 1:46-47 '62.

RUSSIA—RELATIONS (GENERAL) WITH UNITED STATES

I have a friend. A. Medvedev. Smena 39 no. 23:14-15 D '62.

RUSSIA—RELATIONS (GENERAL) WITH WESTERN EUROPE

Strengthen friendly relations. IU. Bernov. Part. zhizn' no. 8:21-25 Ap '63.

RUSSIA—RELATIONS (MILITARY) WITH CUBA

Glorify the people's army! Eberto Padilla. Sov. voia 45 no. 3:38 F '63.

RUSSIA—RELATIONS (MILITARY) WITH HUNGARY

Happy holiday, friends in combat! Peter Vajda. Sov. voia 45 no. 3:38-39 F '63.

RUSSIA—RELIGION

How to study the theme "Our party's struggle for the building of communism in the U. S. S. R. and the complete overcoming of the surviving traces of religion." E. Prokoshina. Komm. Bel. 37 no. 3:51-57 Mr '63.

RUSSIA—REVOLUTION, 1917-1921

(see also subdivision under Armenia; Dzhetysay; Khar'kov; Krasnoyarsk; Makeyevka; Nizhny Novgorod Government; Russia, Northern; Siberia; Siberia, Western; Soviet Far East; Transbaikalia; Ukraine; Yeniseisk Government)

All-Union conference devoted to the 45th anniversary of the armed uprising in October 1917 in Petrograd. A. L. Fraiman. Ist. SSSR 7 no. 1:222-227 Ja-F '63.

Eliseev, Fedor. [The Lada Regiment and the last days in the Kuban, 1920] Labintay i poslednie dni na Kubani, 1920 g. New York.

Vols. 1-3, 1952. maps. (MH)

A few words about the agreement between the Bolsheviks and the leftwing Social Revolutionaries, October, 1917-February, 1918. R. M. D'yukhina. Ist. zap. 73:3-34 '63.

The First Revolutionary Regiment. M. Pahrabinsk. Delarua' 20 no. 4:2-3 Ap '63.

Formation of the armed units of the proletariat by Bolshevik organizations in March-May, 1917. K. A. Tikhomirov. Trudy GPI 16 no. 3:3-30 '60.

A glorious page of history; the 45th anniversary of the armed uprising in October, 1917 in Petrograd. A. H. Ukr. ist. zhur. 6 no. 2:164-165 Mr-Apr '63.

Great victory for Lenin's policy of peace; on the 45th anniversary of the Seventh Extraordinary Congress of the Communist Party. N. Lipovchenko. Komm. Ukr. 38 no. 3:35-43 Mr '63.

Quaev, K. V. [The collapse of the party of the left socialist revolutionaries] Krakh partii levyykh eserov. Moskva, Sotsekgiz, 1953. 258 p.

How the Bolsheviks struggled against conciliatory groups in the Petrograd Soviet, March, 1917. D. V. Oznobishin. Ist. zap. 73:111-126 '63.

Labor policy of the Russian bourgeoisie and the Provisional Government, March-April, 1917. P. V. Volobuev. Ist. zap. 73:127-155 '63.

Latvijas Komunistiska partija. Centraln Komiteja. Partijas vestures instituts. [The Communist Party of Latvia during the October Revolution of 1917; documents and materials, March 1917-February 1918] Komunistiskais partija Latvii v Oktobra'skol revolutsii 1917; dokumenty i materialy, mart 1917-fevral' 1918 g. Riga, Latvisekoe gos. izd-vo, 1963. 882 p.

The party as the inspirer and organizer of the victory of the Great October Socialist Revolution, March-October, 1917; methodological advice for propagandists. Komm. Ukr. 38 no. 4:70-84 Ap '63.

The Petrograd Soviet of Peasants' Deputies in 1917. A. S. Smirnov. Ist. zap. 73:90-110 '63.

Some problems in studying the victorious march of the socialist revolution. S. S. Khosin. Vop. ist. 38 no. 4: 204-213 Ap '63.

V. I. Lenin and the organization of the state apparatus of the first on earth government of workers and peasants [with summary in English, pp. 210-220]. V. S. Orlov. Vop. ist. 38 no. 4:12-27 Ap '63.

Zakharov, N. S. [The Soviet state and law during the civil war and foreign armed intervention, 1918-1920] Sovetskoe gosudarstvo i pravo v period inostrannoi voennoi interventsii i grazhdanskoi voyny, 1918-1920 gg.; uchebnoe posobie. [Kazan'] Izd-vo Kazanskogo univ., 1962. 85 p. (MICROFILM)

RUSSIA—REVOLUTION, 1917-1921—FOREIGN PARTICIPATION see subdivision under Turkistan

RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Tsypplov, I. V. [Fighters remember bygone days; personal recollections of the Tsypplov brothers as told to Il'ia Chernav] Boitsy vspominaiut dni; [lichnye vospominaniia brat'ov Tsypplovyykh] Literaturnai zapis' II' Chernava. Ulan-Ude, Burinskoe knizhnoe izd-vo, 1961. 144 p. (Mu) (MH)

RUSSIA—REVOLUTION OF 1905

Some methodological problems in the statistical study of the peasant unrest during the Revolution of 1905-1907. K. I. Shabunina. Vestn AN BSSR. Ser. hram. nav. no. 1: 63-64 '63.

RUSSIA—REVOLUTION OF 1905—SONGS AND MUSIC

"To the barricades!" E. Gippus. Sov. muz. 27 no. 4: 60-66 Ap '63.

RUSSIA—SOCIAL CONDITIONS

[Complete and final victory of socialism in the U. S. S. R.] Polnaya i okonchitel'naya pobeda sotsializma v SSSR. Moskva, Vysshaya shkola, 1963. 161 p. (Materialy k lektarii po istorii KPSS)

RUSSIA—UNDERGROUND LITERATURE

Underground literature of revolutionary propagandists in the 1870's. V. F. Zakharina. Ist. zap. no. 71:74-112 '62.

RUSSIA, NORTHERN—AFFORESTATION

Several theoretical and practical premises for overcoming the lack of forests in the tundra. V. V. Krutichkov. Izv. Vses. geog. ob-va 95 no. 1:50-60 Ja-F '63.

RUSSIA, NORTHERN—APARTMENT HOUSES

Agafonov, K. N. [Some problems of housing construction in the Far North] Nekotorye voprosy zhilishchnogo stroitel'stva na Kraenem Severe. Krasnoyarsk, Nauchno-issl. in-t po stroitel'stву, 1962. 90 p. (MICROFILM)

RUSSIA, NORTHERN—GESE

Geographical variability of the bean goose. V. I. Krashkin. Ornitologia no. 4:449-452 '62.

RUSSIA, NORTHERN—GEOLOGY, STRUCTURAL—MAPS

Use of combined geophysical methods for large-scale mapping in prospecting for sulfide copper-nickel mineralization in the southern part of the Yenisey ore field. A. M. Gorodnitskii. Trudy NIIGA 132:125-132 '62.

RUSSIA, NORTHERN—INTAKES (HYDRAULIC ENGINEERING)

Intakes in rivers of the north. A. V. Moskvina. Shor. nauch. rab. AKKH no. 12:62-62 '62.

RUSSIA, NORTHERN—MAGNETIC PROSPECTING

High-precision magnetic survey in the Arctic. V. A. Litinskii. Trudy NIIGA 132:21-34 '62.

RUSSIA, NORTHERN—PEASANTRY

Peasants who shared their crops with the Troitsko-Gladinskii Monastery in the 17th century. G. N. Lokhteva. Ist. zap. no. 72:110-130 '62.

RUSSIA, NORTHERN—PIPELINES

Industrial and municipal piping under the conditions of the Far North. P. A. Lavrov. Shor. nauch. rab. AKKH no. 12:13-19 '62.

RUSSIA, NORTHERN—PRECIPITATION (METEOROLOGY)

Dependence of precipitation in the European U. S. S. R. on the evaporation from the surface of the continent. S. I. Zhakov. Izv. AN SSSR. Ser. geog. no. 2:75-79 Mr-Apr '63.

RUSSIA, NORTHERN—REVOLUTION, 1917-1921

Floville of the Arctic Ocean during the civil war. N. A. Zaleskii. Ist. zap. no. 71:251-255 '62.

RUSSIA, NORTHERN—SALMON

Hybrid of chum salmon and pink salmon in northern rivers. M. S. Kamyshnala. Ryb. khoz. 39 no. 4:24-26 '63.

RUSSIA, NORTHERN—TUNDRAS

Several theoretical and practical premises for overcoming the lack of forests in the tundra. V. V. Krutichkov. Izv. Vses. geog. ob-va 95 no. 1:50-60 Ja-F '63.

RUSSIA, NORTHERN—WORLD WAR, 1939-1945

Rumiantsev, N. M. [Defeat of our enemy in the Arctic regions; military history] Razgrom vruga v Zapol'ar'e, 1941-1944 gg.; voenno-istoricheskii ocherk. Moskva, Voensdat, 1962. 287 p.

RUSSIA, NORTHWESTERN—POTATO BEETLE—EXTIRMINATION

Effectiveness of combined use of DDT and superphosphate for potatoes. I. P. Zhuravleva, E. N. Stakalova, M. N. Grishkevich. Zashch. rast. ot vred. i bol. 6 no. 8:8-9 Je '61.

RUSSIA, SOUTHERN—GEOLOGY, STRATIGRAPHIC

Boundary layers of the Apsheon and Baku stages in Ciscaucasia. G. A. Maslakov. Dokl. AN SSSR 148 no. 4:906-908 F '63.

RUSSIAN DRAMA—HISTORY AND CRITICISM

For ideological purity! Evgenii Simonov. Teatr 24 no. 4:5 Ap '63.

Heroes of an unusual era. Afanasii Salynskii. Teatr 24 no. 4:4-5 Ap '63.

Kochetov, A. N. [The curtain does not fall] Zanyas no opakiel'sia. [Leningrad, Iskustvo, 1962]. 69 p. (MII)

RUSSIAN EXPLORATION see subdivision under Antarctic regions

RUSSIAN LANGUAGE

Fifty-six academic reports. A. F. Kulagin. Nauch. dokl. vys. shkoly; filol. nauki no. 1:197-199 '63.

RUSSIAN LANGUAGE—AFFIXES

Kochineva, O. K. [Adverbs with the prefix po- and the suffix -omu, (emu) in the present-day Russian literary language] Narechitiia s prefiksom po- i suffiksom -omu, (emu) v sovremennoi russkoi literaturnoiazyke. Murmansk, Murmanskii gos. pedagog. in-t, 1962. 17 p. (MI)

RUSSIAN LANGUAGE—AUDIO-VISUAL AIDS see subdivision under Yugoslavia

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

"Russian composition in the senior grades of national minority schools" by A. A. Lipaev. Reviewed by P. Gorbanov, A. Gorshkova, G. Alendev. Nar. obr. no. 4: 121-123 Ap '63.

Stylistic errors in compositions. M. R. L'vov. Nach. shkola 31 no. 2:21-30 F '63.

RUSSIAN LANGUAGE—DIALECTS

(see also subdivision under Penza Government; Pskov Government; Pskov Province; White Sea region)

Historical dialectology of the Russian language in the course of lectures presented by Academician Shakhmatov and our current objectives. B. A. Larin. Uch. zap. LGU no. 267:3-16 '60.

RUSSIAN LANGUAGE—DICTIONARIES

Bogorad, V. B., and A. S. Nekhludova. [A concise dictionary of biological terms] Kratki slovar' biologicheskikh terminov. Pod red. P. A. Genkella i F. N. Pravdina. Moskva, Uchpedgiz, 1963. 236 p.

RUSSIAN LANGUAGE—DICTIONARIES—AZERBAIJANI

Russian-Azerbaijani medical terminology; the letters U and F. Azorb. med. zhurn. no. 2:77-82 F '62.

RUSSIAN LANGUAGE—DICTIONARIES—BULGARIAN

[Russian-Bulgarian dictionary; 50,000 words] Russko-Bolgarskii slovar'. Sost. S. K. Chukalov. 50000 slov. Moskva, Gos. izd-vo inostr. i natsional'nykh slovarov, 1962. 1139 p.

RUSSIAN LANGUAGE—DICTIONARIES—ENGLISH

[Concise English-Russian and Russian-English military dictionary] Kratki anglo-russkii i russko-angliiskii voennyi slovar'. Moskva, Voenn. izd-vo M-V oborony SSSR, 1963. 560 p.

RUSSIAN LANGUAGE—DICTIONARIES—UKRAINIAN

Maslov, D. Ia., and others, comps. [Russian-Ukrainian dictionary of botanical terminology and nomenclature] Rosiia'ko-ukrains'kii slovar'k botanichnoi terminologii i nomenklatury. Kyiv, Vyd-vo Akad. nauk USSR, 1962. 340 p.

Hanych, D. I., and I. S. Oholnyk. [Russian-Ukrainian dictionary for secondary schools] Russko-ukrains'kii slovar' dlia srednei shkoly. Pod red. I. A. Varchenko. Kyiv, Radiana'ska shkola, 1962. 839 p.

Kalynovych, M. Ia., ed. [Russian-Ukrainian dictionary] Russko-ukrains'kii slovar'. Chleny redkollegii L. A. Bulakhovskii, M. F. Ryl'skii, Kiev, Izd-vo Akad. nauk USSR, 1962. 803 p. (NY)

RUSSIAN LANGUAGE—FOREIGN WORDS AND PHRASES

A dictionary of winged and foreign words. Agitator no. 14:40 Ji '62.

A dictionary of winged and foreign words. Agitator no. 15:90 Ag '62.

Interpretation of words. Blok. agit. [Gruz.] 19 no. 23:30 D '62.

Some interrelations in the field of Russian and Central Asian commercial terminology. N. B. Baikova. Obshchestv. nauki v Uz. 7 no. 3:45-48 '63.

RUSSIAN LANGUAGE—FOREIGN WORDS AND PHRASES—MORDVINIAN

Finn-Ugric words in Russian professional dialects. E. A. Iakubinskaya-Lemberg. Uch. zap. LGU no. 314: 56-59 '62.

RUSSIAN LANGUAGE—FOREIGN WORDS AND PHRASES—POLISH

Polish words in the language of 18th century Russian literature. V. M. Tarnan'. Uch. zap. LGU no. 267: 98-124 '60.

RUSSIAN LANGUAGE—GRAMMAR

Gvozdev, A. N. [Training children in the grammatical structure of the Russian language] Formirovanie u rebenka grammaticheskogo stroia russkogoazyka. Pod red. S. I. Abakumova. Moskva, Izd-vo pedagog. nauk, 1949. 2 v.

RUSSIAN LANGUAGE—MACHINE TRANSLATING

Algorithm for machine translation from Russian into Lithuanian. M. M. Zankar'sen. Nauch. dokl. vys. shkoly; filol. nauki no. 1:157-158 '63.

Machine translation from French to Russian. Part IV: Results of experiments and analysis of errors. G. V. Vakhlovskain, O. A. Kulagina. Probl. kib. no. 8:253-262 '62.

RUSSIAN LANGUAGE—MOOD

More on the form of the subjunctive in modern Russian. E. Krzhizhskova. Nauch. dokl. vys. shkoly; filol. nauki no. 1:165-172 '63.

RUSSIAN LANGUAGE—NOUN

Lexicalization of the forms expressing number of Russian nouns; the problem of the forms of words. L. A. Novikova. Nauch. dokl. vys. shkoly; filol. nauki no. 1: 77-89 '63.

Planning the topic "Second declension of third grade nouns." I. M. Vitrik and others. Nach. shkola 31 no. 3:41-47 Mr '63.

RUSSIAN LANGUAGE—NUMERICALS

Letters to the editor. A. N. Savchenko and others. Nauch. dokl. vys. shkoly; filol. nauki no. 1:211-213 '63.

RUSSIAN LANGUAGE—OLD RUSSIAN

History of relative subordination in Russian. S. I. Makarova. Vop. iaz. i lit. no. 3:103-110 '62.

RUSSIAN LANGUAGE—OLD RUSSIAN—GRAMMAR

Arvat, N. N., and I. G. Skiba. [The Old Russian language] Drevnerusskiiazyk; uchebno-metodicheskoe posobie dlia studentov istoricheskogo fakul'teta. Chernovtsy, Chernovitskii gos. univ., 1960. 1 v (MIU)

RUSSIAN LANGUAGE—OLD RUSSIAN—NOUN

New formations of nouns indicating person in the "Court interrogations" of the first third of the 17th century. S. S. Volkov. Uch. zap. LGU no. 267:125-151 '60.

RUSSIAN LANGUAGE—OLD RUSSIAN—WORDS

History of conversational lexicon. V. P. Felitsyna. Uch. zap. LGU no. 267:152-162 '60.

Lexicon of the Trade Book of the 16th century. I. N. Shmeleva. Uch. zap. LGU no. 267:81-97 '60.

RUSSIAN LANGUAGE—SPOKEN RUSSIAN

"Do we speak correctly?" by B. Timofeev; "Alive as life" by K. Chukovskii. Reviewed by R. Budagov. Vop. lit. 7 no. 2:192-202 F '63.

"In class and after class." Reviewed by I. Burzhellan. Doshk. vosp. 36 no. 3:68-70 Mr '63.

RUSSIAN LANGUAGE—STUDY AND TEACHING

(see also subdivision under Germany, East; Kazakhstan; Rostov Province; Uzbekistan)

Ereshova, E. N. [System for working on Russian language sounds in eight-year Turkmen schools] Sistema raboty nad zvukovymi iavleniiami russkogoazyka v vos'miotletnei turkmenskoi shkole. Ashkhabad, Turkmennuchpedgiz, 1962. 93 p. (Biblioteka uchitelia)

It is a mother tongue for everybody. A. Azizov. Uzbekiston 21 no. 5:11 My '62.

Izmailova, R. M., V. A. Samarina, and I. A. Iankovskaya. [Experience with vocabulary and spelling work in grades 1 to 3] Opyt slovarno-ortograficheskoi raboty v I-III klassakh. Pod red. N. P. Kanonykina. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1960. 93 p. (Pedagogicheskie chteniia) (OU)

[Raising the efficiency of teaching Russian language in non-Russian national schools] Povyshenie effektivnosti obucheniia russkomuazyku v natsional'noi shkole; sbornik statei. [Sost. M. I. Novotich]. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 106 p. (NIC)

Work of the council "Russian Language Abroad." N. Kokhtov. Nauch. dokl. vys. shkoly; filol. nauki no. 1:209-210 '63.

RUSSIAN LANGUAGE—STYLE

Chizhik-Poleiko, A. I. [Stylistics of the Russian language] Stilistika russkogoazyka; uchebnoe posobie dlia studentov-filologov. Voronezh, Izd-vo Voronezhskogo univ. Vol. 1. 1962. (MI)

"Do we speak correctly?" by B. Timofeev; "Alive as life" by K. Chukovskii. Reviewed by R. Budagov. Vop. lit. 7 no. 2:192-202 F '63.

More on the choice of words and phrases in composition. V. A. Dobromyslov. Nauka i zhizn' 36 no. 1:61-61 Ja '63.

The word; from talks with young writers (continued). Sergei Antonov. Vop. lit. 7 no. 2:153-175 F '63.

RUSSIAN LANGUAGE—SYNTAX

History of relative subordination in Russian. S. I. Makarova. Vop. iaz. i lit. no. 3:103-110 '62.

Vinogradov, V. V. [Problems of syntax in present-day Russian] Voprosy sintaksisa sovremennoi russkoiazyka. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 410 p.

RUSSIAN LANGUAGE—TENSE

Grammatical tense and objective tense. A. M. Tikhonov. Nauch. dokl. vys. shkoly; filol. nauki no. 1:153-164 '63.

RUSSIAN LANGUAGE—TERMS AND PHRASES

Shanekii, N. M. [Phraseology of modern Russian] Frazeologia sovremennoi russkoiazyka. Moskva, Gos. izd-vo "Vysshiaia shkola", 1963. 155 p.

RUSSIAN LANGUAGE—TRANSLITERATION INTO ENGLISH

Transliteration of Russian names, patronymics and family names into English. A. S. Kaner. Problemy iaz. v shkole no. 1:121-122 Ja-F '63.

RUSSIAN LANGUAGE—VERB

One type of aspectual correlation of verbs in modern Russian. A. V. Bondarko. Nauch. dokl. vys. shkoly; filol. nauki no. 1:65-76 '63.

This should be taught in childhood. G. Lebedeva. Doshk. vosp. 36 no. 2:66-69 F '63.

RUSSIAN LANGUAGE—WORDS

Biography of words. Lev Uspenskii. Nauka i zhizn' 36 no. 1:68-81 Ja '63.

How and when did "krysta" originate? E. M. Iosadze. Uch. zap. LGU no. 267:223-230 '60.

RUSSIAN LITERATURE—BIBLIOGRAPHY see Bibliography—Russian literature

RUSSIAN LITERATURE—HISTORY AND CRITICISM

Akademiia nauk SSSR, Institut mirovoi literatury. [History of Russian literature in three volumes] Istorii russkoi literatury v trokh tomakh. (Ist. i krit. D. D. Blagol. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Literature of the first half of the 19th century] Literaturnyi period poloviny XIX veka. Red. kollegiia: A. M. Lavretskii, U. R. Fokht, A. G. Tsoiila. 1963. 916 p.

Development of a Soviet subject bibliography of letters. I. G. Morgenshtern. Trudy LGU no. 1:32-40 '61.

Dobrolubov, N. A. [Articles of literary criticism] Literaturno-kriticheskie statei. Kyiv, Dzh. vyd-vo khudozh. lit-ry, 1956. 609 p. (LU)

Episode from the history of Russian criticism; critical article of G. E. Blagosvetlov. M. G. Zeldovich. Nauch. dokl. vys. shkoly; filol. nauki no. 1:132-140 '63.

[History of Soviet Russian literature] Istorii russkoi sovetskoi literatury. [Moskva] Izd-vo Mosk. univ. Vol. 2. 1963. 768 p.

[Literature in the struggle against religion] Khristianskova literatura v bor'be s religiei. Izd-vo Mosk. vysshago, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 174 p.

Our time and literature. G. Markov. Kommunist 11 no. 6:81-86 Ap '63.

Recommended bibliography of literary history for specialists. B. Ia. Bukhshtab. Trudy LGU no. 1:33-34 '61.

Speranskii, M. N. [Manuscript collections from the 18th century; materials for the history of 18th century Russian literature] Rukopisnye sborniki XVIII veka; materialy dlia istorii russkoi literatury XVIII veka. Moskva, Izd-vo Akad. nauk SSSR, 1962. 268 p.

Stories on stories and notes on tales. A. Dymchits. Ogonek 41 no. 13:30-31 Mr '63.

Voronskii, A. K. [Essays of literary criticism] Literaturno-kriticheskie statei. Moskva, Sovetskii pisatel', 1963. 421 p.

Zonal'nai konferentsiia literaturovedcheskikh kafedr pedagogicheskikh institutov Povolzh'ia. [Iz. Kulbyshev, 1960. [Problems of Russian and foreign literature] Voprosy russkoi i zarubezhnoi literatury; sbornik statei. Kulbyshev, 1960. 421 p. (MI)

RUSSIAN LITERATURE—PERIODICALS

The periodical "Russkoe slovo" and revolutionary democracy. F. Kuznetsov. Vop. lit. 7 no. 2:163-172 F '63.

"Russkoe slovo" and "Sovremennik"; polemics between the two periodicals. S. S. Konkin. Nauch. dokl. vys. shkoly; filol. nauki no. 1:19-31 '63.

RUSSIAN LITERATURE—STUDY AND TEACHING

Izmailov, A. V., ed. [Teaching Russian literature in non-Russian national schools] Propovedanie russkoi literatury v natsional'noi shkole; sbornik statei. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 261 p. (NIC)

RUSSIAN NEWSPAPERS

From the first hands. F. Baturin. Sov. pech. no. 3:20-21 Mr '63.
 ["Kolokol", published by A. I. Hertzson and N. P. Ogarev (Free Russian Press) in 1857-1867, London-Geneva]
 Kolokolgazeta A. I. Gertsena i N. P. Ogareva. Vol'naya Rossiya Tipografiya, 1857-1867 London-Zheneva.
 Faksimil'noe izdanie. Moskva, Izd-vo Akad. nauk SSSR.
 No. 6, London, 1863. 1863. 1270-1444 p.
 "Pravda" in prerevolutionary Turkestan. Uzbekiston 21 no. 5:6 My '62.
 "Pravda's" 111th anniversary. B. Andreev. Za rul. 20 no. 5:9 My '62.
 There is no complaints office. G. Seimenov. Sov. pech. no. 3:23-24 Mr '63.
 They call us to new achievements; review of Soviet newspapers. Agitator no. 14:51-54 J1 '62.
 United press control. V. Orekhov. Komm. zhizn' no. 4:29-31 F '63.
 V. I. Lenin in "Pravda." A. Kananin. Uzbekiston 21 no. 5: 5 My '62.

RUSSIAN NEWSPAPERS—INDEXES

[Chronicle of newspaper articles] Let. gazet. st. no. 4 '63. Vopromogatel'nye ukazaniya k nos. 1-3 za 1963 god.

RUSSIAN PALEOGRAPHY see Paleography, Russian

RUSSIAN PERIODICALS

(see also subdivision under Rumania; Ukraine; United States)
 The age of maturity. V. Panamaron. Belaruss' 20 no. 4:22 Ap '63.
 Our "Ogonek." Mikh. Aleksandrov. Sov. pech. no. 4: 38-40 Ap '63.
 "Rossyia podviga" ("Great numbers of great deeds"). F. Gurevich. Sov. radio i tel. 12 no. 1:4-5 Ju '63.

RUSSIAN PERIODICALS—INDEXES

[Chronicle of periodical articles] Let. zhur. st. nos. 10-19 '63.

RUSSIAN PLAIN see East European Plain

RUSSIAN PLATFORM—MINERALOGICAL CHEMISTRY

Physicochemical conditions of the formation of ancient Paleozoic rocks in the northwestern part of the Russian Platform (with summary in English). A. I. Lobedeva. Vest. LGU 10 no. 6:24-35 '63.

RUSSIAN POETRY—HISTORY AND CRITICISM

Creativity and experiment. A. Mikhailov. Zhurnal 33 no. 2:197-213 F '63.
 "Dead souls" and living people. Anatoliy Elkin. Simena 39 no. 18:30-32 S '62.
 "Russian news; a tale in verse written by a Russian serf, 1830-1840." Reviewed by L. B. Genkin. Int. SSSR 7 no. 1:196-199 Ju-F '63.

RUSSIAN SATELLITES see Communist countries

RUSSIAN SOCIAL DEMOCRATIC PARTY

(see also subdivision under Kuznan Government; Vyatsa Government)
 The Bolshevik Party during the new intensification of revolutionary activity, 1910-1914. Komm. Ukr. 30 no. 3:71-74 Mr '63.
 The Bolshevik Party during the World Imperialist War; the Second Revolution in Russia, 1914-February 1917. Komm. Ukr. 38 no. 3:74-76 Mr '63.
 Garry, Peter. [Reminiscences] Vospominaniya. New York [1960] 123 p. (Inter-University Project on the History of the Menshevik Movement) (NNC)
 Mat'ias, O. A. [A guide to those who independently study V. I. Lenin's work "What is to be done?"] V pomoshch' samostoiatel'no izucheniyechnim proizvedeniyu V. I. Lenina "Chto delat'?" uchebnoe posobie dlia studentov-zachetnikov gosudarstvennykh universitetov. [Moskva] Izd-vo Mosk. univ., 1962. . 39 p.
 The party as the inspirer and organizer of the victory of the Great October Socialist Revolution, March-October, 1917; methodological advice for propagandists. Komm. Ukr. 38 no. 4:79-84 Ap '63.
 The 60th anniversary of the Second Congress of the Russian Social Democratic Party. Part. zhizn' no. 9: 31-34 My '63.

RUSSIAN SOCIAL DEMOCRATIC PARTY—CONGRESSES

Efforts of the social democratic organizations of the Ukraine to convene the First Congress of the Russian Social Democratic Party; on the 65th anniversary of the First Congress of the Russian Social Democratic Party. P. L. Varshavskiy. Ukr. int. zhur. 6 no. 2:66-73 Mr-Apr '63.

RUSSIAN STUDIES see subdivision under Germany, West; United States

RUSSIAN TALES see Tales, Russian

RUSSO-TURKISH WARS see subdivision under Moldavia

RUSTAVI—COMMUNITY CENTERS

A planet is in your hands! S. Vachnadze. Klub 12 no. 10:14-15 O '62.

RUTACEAE

Lactones of Phellodendron sacchalinsense (Fr. Schmidt) Sarg. G. K. Nikonov, R. K. Veremei. Dokl. AN SSSR 148 no. 4:850-852 F '63.

RUTHENIA see Transcarpathia

RUZAYEVKA DISTRICT (KOKCHETAV PROVINCE)—BOOKSELLERS AND BOOKSELLING

Search for new work methods. V. Pozhidaeva. Koop. Kuzakh. 5 no. 11:59 N '62.

RWANDA

The Republic of Rwanda and the Kingdom of Burundi. Agitator no. 15:28 Ag '62.

RYAZAN PROVINCE—ORTHOPEDIC APPARATUS INDUSTRY

For rural workers. V. Laptov. Sots. obesp. 24 no. 3: 48-49 Mr '63.

RYAZAN PROVINCE—PIONEERS (COMMUNIST YOUTH)

Pokutina, M. F. [Pioneers of Ryazan Province] Riazanskaya pioneriya. [Riazan'] Riazanskoe knizhnoe izd-vo, 1962. 47 p. (MI)

RYAZAN PROVINCE—RURAL SCHOOLS

Creative generalization of progressive experience. V. Protchenko. Nar. obr. no. 4:113-116 Ap '63.

RYAZANSK—SERVICE INDUSTRIES

Neglected area. I. Vasil'ev. Mest. prom. i khud. promys. 4 no. 3:22-23 Mr '63.

RYBINSK—RAILROADS—FIRES AND FIRE PREVENTION

Efficiency promoters of Rybinsk. N. Obukhov. Pozh. delo 9 no. 3:5 Mr '63.

RYCHKOV, PETR IVANOVICH, 1712-1777

Petr Ivanovich Rychkov; on the 250th anniversary of his birthday. M. G. Novlanskaya. Izv. Vses. geog. ob-va 95 no. 1:84-89 Ju-F '63.

RYE—DISEASES AND PESTS

Artificial infection of rye with ergot. V. S. Sinit'skii. Bot. zhur. 48 no. 2:219-222 F '63.

RYE SMUT see Ergot

SABLEFISH see subdivision under Bering Sea

SACCHARIMETER

Simplified determining of the concentration of molasses and flour mash in solvent production. A. M. Marfina, N. I. Nikit'lov, A. N. Gunt'ko. Spirt. prom. 29 no. 3:15-18 '63.

SAFETY APPLIANCES

Evaluation of the operational efficiency of protection systems. E. K. Rinkus. Teploenergetika 10 no. 3: 42-45 Mr '63.

SAGE

More precise determination of harvest time for musk sage. N. L. Gurvich. Masl. i-zhizn. prom. 29 no. 3: 25-26 Mr '63.

SAHARA—ATOMIC WEAPONS—TESTING

The Sahara is not an atomic test ground. N. Prozhogin. Ogonek 41 no. 14:9-7 Mr '63.

SAILORS (NAVY)

Without faith there is no life. Vladimir Chashin. Mol. komm. no. 2:88-94 F '63.

ST. JOHN'S-WORT

Treatment of patients with some pyogenic diseases with ointment prepared from St. John's-wort. T. T. Glukhen'kii. Vrach. delo no. 3:150-151 Mr '63.

SAINTS

Smirnov, Nikolai. [Golden chain of Russian sanctity] Zolotaya tsap' sviatosti na Rusi. Buenos Aires, Nasha strana, 1958. 266 p. (IAU)

SAKHALIN—CARDIACE, FOSSIL

Three new species of the genus Clinocardium from Tertiary sediments in Sakhalin. S. N. Khramova. Trudy VNIIGI no. 186. Paleont. sbor. no. 3:435-441 '62.

SAKHALIN—COASTWISE NAVIGATION

Specialization of coastwise sea transportation between Sakhalin and the mainland. A. Filatov. Mor. flot 23 no. 1:8-8 Ju '63.

SAKHALIN—ECONOMIC CONDITIONS

[Wings of the seven-year plan; articles on technological progress in the economy of Sakhalin Province] Kryl'ia semiloiiki; stat'i o tekhnicheskoi progresse v narodnom khoziaistve Sakhalinskoi oblasti. [Red. A. L. Abramov]. Iuzhno-Sakhalinsk, Sakhalinskoe knizhnoe izd-vo, 1961. 88 p. (Roshenlia partii, v deistvii) (MI)

SAKHALIN—FIR

Distribution of firs in Sakhalin. A. V. Bukhteeva. Bot. zhur. 48 no. 3:449-450 Mr '63.

SAKHALIN—FOREST RESERVES

Preserves in Sakhalin. A. I. Glizenko. Okhr. priro. i zapov. delo v SSSR no. 7:45-49 '62.

SAKHALIN PROVINCE see Sakhalin

SAKMARA VALLEY—LANDFORMS

Geochemical landforms and the distribution of some trace elements in the soils and ground of the Sakmara region, the Southern Urals. R. A. Zubakov, N. S. Chochin. Izv. Vses. geog. ob-va 95 no. 1:9-22 Ju-F '63.

SAKMARA VALLEY—TRACE ELEMENTS

Geochemical landforms and the distribution of some trace elements in the soils and ground of the Sakmara region, the Southern Urals. R. A. Zubakov, N. S. Chochin. Izv. Vses. geog. ob-va 95 no. 1:9-22 Ju-F '63.

SAKSACAN REGION—ORE DEPOSITS

Depth changes in ore deposits in the Saksagan region of the Krivoy Rog Basin. H. V. Tokhtuev. Geol. zhur. 23 no. 1:52-64 '63.

SALAVAT—CITY PLANNING

New industrial centers of Russia; book reviews. V. Dardik. Na stroi. Ros. 4 no. 4:31 Ap '63.

SALESMEN AND SALESMANSHIP see subdivision under Chile

SALICYLANILIDE

Antimicrobial characteristics of bromine and iodine derivatives of salicylic acid anilide. M. M. Rotmistrov, H. V. Kulyk, I. O. Vasylevska. Visnyk Kyiv. un. no. 2. Ser. biol. no. 1:81-84 '59.

SALICYLIC ACID

Treatment of trichomoniasis in women with para-aminosalicylic acid. M. G. Voronova. Kaz. med. zhur. no. 5: 36-37 S-O '62.

SALINE AND ALKALI SOILS

Effect of the application of mineral fertilizers on the physiological processes in walnut seedlings in saline soils. L. K. Polishchuk. Visnyk Kyiv. un. no. 3. Ser. biol. no. 1:68-77 '60.

SALINE AND ALKALI SOILS—DENSITY

Analyzing errors in the determination of the specific gravity of saline soils. L. I. Kulchitskii. Vop. gidrogeol. i inzh. geol. no. 20:164-178 '62.

SALINE WATERS—DEMINERALIZATION see subdivision under Virgin Territory

SALIVA

Inhibitive capacity of children's saliva with respect to the poliomyelitis virus. M. S. Ivanova. Vop. virus. 7 no. 6:749 N-D '62.
 Pilocarpine secretion of digestive glands. A. I. Emchenko. Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:171-180 '58.

SALIVARY CALCULI see Calculi, Salivary

SALIVARY GLANDS—TUMORS

Cylindromas of the salivary glands. V. V. Panikarovskii, Z. V. Gol'bert, T. E. Gosh. Stomatologiya 41 no. 5:47-50 S-O '62.

SALKAHOV, TAIR

Inspired by the Caspian Sea. El'vira Popova. Ogonek 41 no. 14:8 Mr '63.

SALMON

(see also subdivision under Amur Valley; Far East; Russia, Northern; Soviet Far East; Tepluye Lake region)
 Mass raising of young salmon up to the seaward migration stage at accelerated rates. E. M. Malikova, N. I. Kotova. Ryb. khoz. 39 no. 2:35-43 '63.

SALMON FISHERIES see subdivision under Pechora River

SALT

Artificial slip formation and the dislocation structure in sodium chloride crystals. E. M. Nadgornyi, A. V. Stepanov. Fiz. tver. tela 5 no. 4:1006-1020 Ap '63.
 Dislocations in sodium chloride crystals. E. M. Nadgornyi, A. V. Stepanov. Fiz. tver. tela 5 no. 4:998-1005 Ap '63.
 Lastochkin, V. S. [Providing for winter earthwork with cohesive soil by artificial salinization] Obespechenie proizvodstva zemlianykh rabot na svlaznykh gruntami v zimnee vremia putem iskusstvennogo ikh zasolenia. Irkutsk, Irkutskoe knizhnoe izd-vo, 1962. 62 p.
 Movement of dislocations in sodium chloride crystals. E. I. Gutmanas, E. M. Nadgornyi, A. V. Stepanov. Fiz. tver. tela 5 no. 4:1021-1025 Ap '63.

SALT CRYSTALS

Interaction of macroscopic pores in solids. I. A. G. Geguzin, A. S. Dziuba. Fiz. tver. tela 5 no. 3:891-896 Mr '63.

- SALT DEPOSITS**
(see also subdivision under Soviet Central Asia)
Formation of salt deposits. M. E. Al'tovskii. Vop. gidrogeol. i inzh. geol. no. 20:179-198 '62.
- SALT DOMES**
(see also subdivision under Emba region)
Distribution of petroleum and gas in salt dome regions. L. V. Kalamkarov, I. U. M. Vasil'ev, N. M. Charygin. Geol. nefit i gaza 7 no. 3:23-31 Mr '63.
- SALT INDUSTRY—EQUIPMENT AND SUPPLIES**
Modernization of the semiautomatic PN-1000 centrifuge. M. A. Uraev. Khar. prom. no. 1:40-42 Ja-Mr '63.
- SALT MEAT** see Meat, Salt
- SALT SOLUTIONS** see Solution (Chemistry)
- SALTS**
(see also subdivision under Arctic regions; Kirghizistan)
Hydration and solvation of acids and salts during extraction. I. U. A. Zolotov. Usp. khim. 32 no. 2:220-238 F '63.
Investigation of the countercurrent coprecipitation of indium with sparingly soluble compounds of heavy metals. N. S. Fortunatov, L. E. Slobtsov. Ukr. khim. zhur. 29 no. 3:339-342 '63.
New chemical compounds based on copper and sodium arsenate, carbonate, and sulfate. A. Akbaev, I. G. Druzhinin. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:5-20 '62.
Problem of determining mineral salts in petroleum. E. I. Uvarova. Khim. i tekhn. topl. i masel 8 no. 3:68-69 Mr '63.
Salting in isotherms and their changes. S. V. Bleshin-skii. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:41-45 '62.
Septenary reciprocal system of 15 salts. N. S. Dombrovskaya. Zhur. neorg. khim. 8 no. 3:720-733 Mr '63.
Solubility and solid phases in the system $\text{LiCl} - \text{NaCl} - \text{MgCl}_2 - \text{H}_2\text{O}$ at 25 and 75°. I. N. Lepeshkov, N. N. Romashova. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:33-40 '62.
Some cross sections of the quaternary reciprocal system $\text{Na}^+, \text{Ca}^{2+}, \text{Ba}^{2+} // \text{F}^-, \text{Cl}^-$. Z. A. Matelko, G. A. Bukhalova. Zhur. neorg. khim. 8 no. 3:715-719 Mr '63.
- SALTS, SOLUBLE**
Kovalenko, A. F. [Salt efflorescence on brick and ways to control it] O solevykh vytsvetakh na kirpiche i mery bor'by s nimi. Ashkhabad, Izd-vo Akad. nauk Turkmen-skoi SSR, 1962. 88 p.
- SALVAGE (WASTE, ETC.)**
Procurement and primary processing of wool rags and wastes. Tekst. prom. no. 2:18-21 F '63.
- SAMARIUM**
Absorption and luminescence of divalent samarium in alkali halide single crystals. V. E. Karapetian, B. I. Maksakov, P. P. Pavlov. Opt. i spekt. 14 no. 3:441-443 Mr '63.
Angular correlation of successively emitted gamma rays due to the 440-337 Kev. transition in the Sm^{150} nucleus [with summary in English]. V. Cojocaru, M. Petrascu. Zhur. eksp. i teor. fiz. 44 no. 4:1141-1143 Ap '63.
Calculation of the probability of nonradiative transition for the Sm^{2+} ion in fluorite. B. Z. Malkin. Fiz. tver. tela 5 no. 4:1082-1085 Ap '63.
- SAMARIUM CHLORIDE**
Thermographic and calorimetric study of the system samarium trichloride - potassium chloride. Sun Iui-lin [Sung Yu-Hin], G. I. Novikov. Zhur. neorg. khim. 8 no. 3:700-703 Mr '63.
- SAMARKAND—COMMUNITY CENTERS**
Women go to the community center. M. Abduraufov. Klub 12 no. 10:10-11 O '62.
- SAMARKAND—WOMEN**
Women go to the community center. M. Abduraufov. Klub 12 no. 10:10-11 O '62.
- SAMARKAND PROVINCE—AGRICULTURAL GEOGRAPHY**
Akademiya nauk Uzbekskoi SSR, Tashkent, Otdel geogra-fii. [Agricultural geography of Samarkand and Bukhara Provinces] Geografiya sel'skogo khozaistva Samar-kandskoi i Bukharskoi oblastei. [By] Z. M. Akramov i dr. Tashkent, Izd-vo Akad. nauk UzSSR, Pt. 2, 1961. 323 p. (Materialy Zerkavshanskoi ekspeditsii SOPs AN UzSSR, no. 1)
- SAMARKAND PROVINCE—CORN (MAIZE)—DISEASES AND PESTS**
The cutworm *Leucania Loreyi* Dup. E. A. Popova. Zashch. rast. ot vred. i bol. 6 no. 6:28-29 Je '61.
- SAMARKAND PROVINCE—CUTWORMS—EXTERMINATION**
The cutworm *Leucania Loreyi* Dup. E. A. Popova. Zashch. rast. ot vred. i bol. 6 no. 6:28-29 Je '61.
- SAMARKAND PROVINCE—VITICULTURE**
Our experiment in viticulture. I. A. D. Arifov. Shkola i proizvod. 7 no. 2:56-57 F '63.
- SAMOKISH, NIKOLAI SEMRNOVICH, 1860-1944**
N. Samokish writes about his times and himself (to be continued). V. Tkachenko. Iskusstvo 26 no. 2:63-67 '63.
- SAMPOLOV, TSYRENZHAP SAMPOLOVICH, 1893-1953**
Pankratova, E. A. Tsyrenzhap Sampilov. Moskva, Iskusstvo, 1962. 93 p. illus. (MH)
- SAN FRANCISCO—MOTION-PICTURE FESTIVALS**
San Francisco, 1962. L. Pogozheva. Isk. kino 33 no. 3:134-145 '63.
- SAN JOSE SCALE**
"San Jose scale" by A. I. Popova. Book review. Priroda 52 no. 3:90 '63.
- SAN JOSE SCALE—BIOLOGICAL CONTROL**
Detect and use microorganisms in controlling the San Jose scale. A. A. Evlakhova. Zashch. rast. ot vred. i bol. 6 no. 11:46-47 N '61.
Microorganisms pathogenic to the San Jose scale. A. N. Reshetina. Zashch. rast. ot vred. i bol. 6 no. 11:47 N '61.
- SANATORIUMS** see subdivision under Sochi; Turksib
- SANATORIUMS—FINANCE** see subdivision under Odessa
- SAND**
(see also subdivision under Siberia; Western; West Siberian Plain)
Mikhail'chenko, M. G., V. D. Bezpalo, and V. G. Gurevich. [Sizing and dressing of sand for construction] Frak-tionirovaniye i obogashcheniye stroitel'nykh poskov. Leningrad, Gosstroizdat, 1963. 87 p.
- SAND, FOUNDRY**
Natural dust-like quartz from deposits of the Southern Urals. N. A. Subbotin. Lit. protzv. no. 4:30-40 Ap '63.
Tilov, N. D. [Sand-mixer operator in foundries] Smeseprigotovitel' litelnykh tsekhov. Moskva, Mash-giz, 1962. 163 p.
- SAND, FOUNDRY—ADDITIVES**
Increasing the flowability of molding mixtures by modified suspensions. A. F. Vlasov. Lit. protzv. no. 4:6-6 Ap '63.
- SAND AND GRAVEL INDUSTRY**
Method for granulometric determination of building sands. A. T. Hrechishnykov. Geol. zhur. 23 no. 1:93-94 '63.
- SAND AND GRAVEL INDUSTRY—EQUIPMENT AND SUPPLIES**
Using underwater blasting in working sand and gravel deposits with suction apparatus. A. G. Shapar', Gor. zhur. no. 4:70 Ap '63.
- SAND DUNES** see subdivision under Polesye
- SAND FLIES—EXTERMINATION**
Testing the effect of a mixture of automobile exhaust gases and insecticide dust for the formation of a protective zone in a focus of cutaneous leishmaniasis. I. U. D. Chugunov and others. Vop. kraev. parniz. Turk. SSR 3:153-156 '62.
- SAND FLIES AS CARRIERS OF DISEASE**
(see also subdivision under Ashkhabad; Kalai-Mor; Kara Kum Canal region; Turkmenistan)
Carriers of cutaneous leishmaniasis of the desert and the urban types. E. M. Belova. Vop. kraev. parniz. Turk. SSR 3:117-121 '62.
Examination of the excrements of artificially inoculated moth flies. E. M. Belova. Vop. kraev. parniz. Turk. SSR 3:137-138 '62.
Mechanism of the transmission of the cutaneous leish-maniasis agent. M. A. Shoshina. Vop. kraev. parniz. Turk. SSR 3:133-136 '62.
- SAND-LIME PRODUCTS**
(see also subdivision under Uzbekistan)
Production of prestressed silicelcete elements. N. I. Vasil'ev. Transp. stroi. 13 no. 4:27-30 Ap '63.
Redesigning a silicelcete plant for the production of pre-cast elements for large-panel housing construction. N. I. Vasil'ev. Stroi. mat. 9 no. 3:21-23 Mr '63.
- SAND-LIME PRODUCTS—STANDARDS**
"Concrete products and silicelcete brick." Blui. stroi. tekhn. 20 no. 4:4-5 Ap '63.
- SANDBARS**
(see also subdivision under Taganrog Gulf)
System of sandbanks located in the estuaries of river tributaries. V. Seleznev, N. Zubkov. Rech. transp. 22 no. 4:42-43 Ap '63.
- SANDBLAST—EQUIPMENT AND SUPPLIES**
Universal hydraulic sand-blasting unit. Z. N. Naumova. Mashinostroitel' no. 3:24 Mr '63.
- SANDPIPERS**
(see also subdivision under Azov Sea region)
One day's activity of some sandpipers in the North. M. N. Denisova. Ornitologiya no. 4:423-426 '62.
- SANDSTONE**
(see also subdivision under Al'ma Valley; Perm Province)
Experimental data on the leaching of quartz-feldspar sandstones. I. U. M. Ipatko, P. K. Lashin, V. M. Lalo. Geol. zhur. 23 no. 1:80-82 '63.
- SANITARY ENGINEERING**
Akademiya stroitel'stva i arkhitektury SSSR, Institut sanitarnoi tekhniki. [New modernized devices and methods of automating sanitary-engineering installa-tions] Novye modernizirovannye pribory i sredstva av-tomatizatsii sanitarno-tekhnicheskikh ustroystv. Mo-skva, Biuro proektno-konstruktorskoi i tekhnicheskoi pomoshchi, 1962. 39 p. [MICROFILM]
- SANITARY ENGINEERING—EQUIPMENT AND SUPPLIES**
(see also subdivision under Germany, East)
Plastic sanitary engineering products. R. Babushkina. Na stroi. Ros. 4 no. 4:24 Ap '63.
- SANITARY MICROBIOLOGY**
Need for uniform sanitary microbiological standards. A. Stefanov and others. Mins. ind. SSSR 34 no. 1:19-21 '63.
- SANITATION** see subdivision under Ashkhabad
- SANITATION—STATISTICS**
"Problems of sanitary statistics" by P. I. Kurkin. Reviewed by V. A. Elizarov. Zdrav. Ros. Feder. 6 no. 10:35-36 O '62.
- SANTA CRUZ DE TENERIFE—MOTORBUS LINES—RATES**
Victory on the Canary Islands. Veem. prof. dvizh. no. 4:10 Ap '63.
- SANTIAGO DE CUBA—FLOUR MILLS**
Flour Mill at Santiago de Cuba. A. Denilin. Muk. elev. prom. 20 no. 1:10-24 Ja '63.
- SAP**
Effect of the sap on the greening of leaves. V. F. Gavril-lenko, R. A. Rubin. Dokl. AN SSSR 148 no. 4:958-961 F '63.
- SAPOGOV—BRONZES**
Bronze aquarius from ancient Galich. G. K. Vagner. Sov. arkheol. 7 no. 2:254-258 '63.
- SAPONIFICATION**
Saponification of novolaks obtained from methoxyphenols of wood chemical origin. I. P. Uvarov. Sbor. trud. TSNILKHI no. 14:32-35 '61.
Some theoretical dependences in the process of two-stage saponification. O. V. Zaks, M. I. Muchnik. Khar. prom. no. 1:18-22 Ja-Mr '63.
Synthesis and saponification of alkoxymethyl ethyl malonic esters. O. S. Sipanova, E. A. Matsenko. Zhur. VKHO 8 no. 1:114 '63.
- SARANSK—ELECTRIC LAMPS**
A false light. A. Baryshnikov. Mol. komm. no. 2:88-101 F '63.
- SARATOV—BALLET**
Tradition and change. N. Chernova. Teatr 24 no. 3:18-10 Mr '63.
- SARATOV—BEARING INDUSTRY**
[Over-all automation at a bearing plant] Kompleksnaya avtomatizatsiya na podshchepnikovom zavode. [Saratov] Saratovskoe knizhnoe izd-vo, 1962. 53 p. [MICROFILM]
- SARATOV—BOOKSELLERS AND BOOKSELLING**
How we work with plans. I. Kozenko. Sov. knizh. torg. 14 no. 4:18-10 Ap '63.
- SARATOV—PROSTHESES**
Our innovators. P. Malorov. Sots. obsch. 24 no. 4:44-46 Ap '63.
- SARATOV PROVINCE—DUCKWEED**
Flowering of the duckweed *Lemna gibba* L. V. I. Matveev. Bot. zhur. 48 no. 2:272 F '63.
- SARATOV PROVINCE—GRAIN**
Comparative evaluation of the economic efficiency of forest shelterbelts. Dokl. TSKHA no. 68:161-173 '63.
- SARATOV PROVINCE—WINDBREAKS, SHELTERBELTS, ETC.**
Comparative evaluation of the economic efficiency of forest shelterbelts. N. V. Medvedev. Dokl. TSKHA no. 68:161-173 '61.
- SARDINES** see subdivision under Atlantic Ocean
- SARGENT, SIR MALCOLM, 1895-**
Malcolm Sargent. B. Lislokhin. Sov. muz. 27 no. 1:107 Ja '63.
- SARYAGACH DISTRICT—STATE FARMS—MANAGEMENT**
Consolidating last year's achievements. N. Kalashnikov. Part. zhizn' Kazakh. 33 no. 3:34-38 Mr '63.

SATELLITES

Some regularities in the structure of planet satellite systems. E.I. Nesterovich. *Blul. VAGO* no. 31:51-56 '62.

SATELLITES—ORBITS

Planet satellite orbits. A. A. Starkov. *Blul. VAGO* no. 31:57-59 '62.

SATIRE, UKRAINIAN

Studies of the artistic means of the folk social and political satire before the October Revolution. F. I. Lavrov. *Nar. tvorch. ta etn.* 6 no. 4:45-49 O-D '62.

SAUCES

Centralized manufacture of tomato and sour-cream sauces. P. Zherobtova, N. Kurbatov, L. Galkina. *Oshchestv. pit.* no. 1:27-29 Ja '63.

SAURY

Projector for saury fishing. P. F. Kovtun. *Ryb. khoz.* 39 no. 2:97-98 '63.

Saury fishing with a pump using light and electric current. I. V. Nikonorov, A. Kh. Patnev. *Ryb. khoz.* 39 no. 2:51-53 '63.

SAUSAGES

Consultation. *Mins. ind. SSSR* 34 no. 1:62 '63.

SAWS

Automatic hot setting of teeth in frame saws. V. V. Bolydyev, A. N. Vavilov. *Trudy Urul. isootekh. inst.* no. 17:42-46 '60.

Investigating the crosscutting of wood in a stretched state. I. U. G. Savitskii. *Trudy TSNIIME* no. 30:45-48 '62.

Modernizing the feeding mechanism of the RD-75 saw frame. O. M. Kurbatov. *Trudy Urul. isootekh. inst.* no. 17:48-50 '60.

Nature of the deformation of frame saw blades in the rolled spots. E. M. Borovikov, O. F. Zvingina, A. A. Puzanova. *Der. prom.* 12 no. 2:16-17 F '63.

SAWS—MAINTENANCE AND REPAIR

Khimki. "Sentral'nyi nauchno-issledovatel'skii institut mekhanizatsii i energologii lesnoi promyshlennosti" [Technological processes in restoring (repairing) the worn parts of the "Druzhba-60" gasoline engine saws] *Tekhnologicheskie protsessy vosstanovleniya (remonta) iznoshennykh detalей benzino-motornoi pily "Druzhba-60."* Moskva, Goslesbunizdat, 1962. 73 p.

SAWS—VIBRATION

Investigating the vibration of gasoline engine saws. N. V. Uvarov. *Trudy TSNIIME* no. 39:3-9 '62.

SAYAN MOUNTAINS—GEOLOGY, STRUCTURAL

Structure of the Garganskaya block (Eastern Sayan Mountains). N. A. Avdootsov. *Trudy IKNI* no. 7:44-53 '61.

SCALES (WEIGHING INSTRUMENTS)

Automatic scales in foundry practice. M. M. Ivankhnenko. *Lit. proizv.* no. 4:11-12 Ap '63.

Scales. S. I. Gausner. *Standartizatsiya* 27 no. 2:45-47 F '63.

SCANDINAVIA—EDUCATION

Differentiation of education in the schools of Scandinavian countries. E. M. Sokolov. *Sov. pedagog.* 27 no. 4: 120-129 Ap '63.

SCANDIUM FLUORIDE

Thermal stability of ScF_3 and its reaction with MgF_2 . L. N. Komissarova, B. I. Pokrovskii. *Dokl. AN SSSR* 149 no. 3:899-901 Mr '63.

SCARABAEIDAE see subdivision under Archetia Valley

SCARLET FEVER

Course of scarlet fever under present-day conditions and results of its treatment at home. A. R. Shagidullina. *Kaz. med. zhur.* no. 5:81-83 S-O '62.

SCATTERING (PHYSICS)

Analysis of the scattering problem in certain infinite domains. Part 1 [with summary in English]. A. G. Ramm. *Vest. LGU* 18 no. 7:46-66 '63.

Faddeev, L. D. [Mathematical problems in the quantum theory of scattering for a system of three particles] *Matematicheskie voprosy kvantovoi teorii russkoi dlia sistem trekh chastits.* Moskva, Izd-vo Akad. nauk SSSR, 1963. 119 p. (Akademiya nauk SSSR. Matematicheskii institut. Trudy, no. 69)

Invariant charge and Regge asymptotic behavior. D. V. Shirkov. *Dokl. AN SSSR* 148 no. 4:814-817 F '63.

A quasi-optical model and the asymptotic behavior of the scattering amplitude. B. A. Arbuzov and others. *Zhur. eksp. i teor. fiz.* 44 no. 4:1409-1411 Ap '63.

Scattering field of a spherical source above a plane layer containing discrete inhomogeneities. V. P. Giotov, I. P. Lysanov. *Akust. zhur.* 9 no. 2:176-181 '63.

Scattering of waves on random inhomogeneities of a medium with a variable refractive index. V. V. Borisov, V. N. Krasil'nikov. *Probl. dif. i raspr. voln* 2:102-110 '62.

Strong interactions of elementary particles at high energies. V. N. Gribov. *Vest. AN SSSR* 33 no. 4:3-8 Ap '63.

SCENE PAINTING—EXHIBITIONS see subdivision under Moscow; Tashkent

SCHIFF BASES

Preparation and electrophysical properties of some poly-Schiff bases. B. E. Davydov and others. *Vysokom. soed.* 5 no. 3:321-324 Mr '63.

SCHILLER, JOHANN CHRISTOPH FRIEDRICH VON, 1759-1805

Manuscript of "Don Carlos" in the Fundamental Library of the Academy of Sciences of the Latvian S.S.R. [in Latvian]. Dz. Kalina, M. Smulovics. *Izv. AN Latv. SSR* no. 2:26-36 '63.

SCHIRMACHER PONDS—GEOMORPHOLOGY

Geomorphology of the Schirmacher Ponds and surrounding area. G. V. Kononov. *Inform. biul. Sov. antark. eksp.* no. 37:6-13 '62.

SCHISTS see subdivision under Keyvy Upland

SCHIZOPHRENIA

Erroneous diagnosis of oligophrenia in a case of schizophrenia complicated by reactive stratifications. N. P. Mogilina. *Prak. sudebnopsikh. ekspert.* no. 5:83-87 '61.

Kondinskii's syndrome in chronic alcoholism; clinical observations. A. N. Pokrovskii. *Probl. sud. psikh.* no. 12:72-84 '62.

Role of alcoholic intoxication in the detection of schizophrenic symptoms. G. D. Zabolodn. *Probl. sud. psikh.* no. 12:109-115 '62.

Stimulation of schizophrenia. M. N. Fedorova. *Prak. sudebnopsikh. ekspert.* no. 5:36-45 '61.

SCHOOL DISCIPLINE

For the children of shepherds. S. Seksenbaev. *Shkola-int.* no. 1:51-54 Ja-F '63.

My first steps.... N. Rebana. *Shkola-int.* no. 1:60-61 Ja-F '63.

Public opinion. E. Gerasikina. *Shkola-int.* no. 1:27-28 Ja-F '63.

SCHOOL EXCURSIONS

Excursion lessons. A. Kudryavtseva. *Shkola-int.* no. 2: 37-39 Mr-Ap '63.

SCHOOL EXCURSIONS—CONGRESSES

Conference of the Detachment Leaders of the Third All-Union Expedition of Pioneers and School children. I. U. Annot'ev. *Geog. v shkole* 26 no. 2:84 Mr-Ap '63.

SCHOOL GARDENS

First birch tree. I. E. Sheblayev. *Nach. shkola* 31 no. 3:23-23 Mr '63.

SCHOOL HYGIENE

Hygiene of the training process and problems of raising the working capacity of schoolchildren. A. IA. Gutkin. *Vrach. delo* no. 3:115-118 Mr '63.

Hygienic conditions of communication with children. V. Dobretsaev. *Doshk. vosp.* 36 no. 2:9-10 F '63.

SCHOOL MUSIC

Is musical training necessary for teachers? A. A. Kamenskii. *Inostr. laz. v shkole* no. 1:92-96 Ja-F '63.

SCHOOL SPORTS

For a clear and scientific school program in physical education; in response to the article by Prof. V. G. Iakovlev and I. P. Mokhov. E. P. Tereznikov. *Teor. i prak. fiz. kul't.* 26 no. 3:53-55 Mr '63.

SCHOOL SUPERINTENDENTS AND PRINCIPALS

"Heartfelt thanks for it..." N. Rulev. *Doshk. vosp.* 36 no. 2:67-68 F '63.

SCHOOL SUPERVISION

(see also subdivision under Kungur District)

Attention to students and attention to teachers. N. Kurylov. *Nar. obr.* no. 4:81-82 Ap '63.

For the notebook of a principal and the head of the teaching department. *Nar. obr.* no. 4:40-41 Ap '63.

Supervision of educational work in a day nursery and kindergarten. M. Turyshova. *Doshk. vykh.* 24 no. 1: 23-25 Ja '63.

Supervisor of a pedagogical collective. E. Zarudi. *Doshk. vosp.* 36 no. 3:9-10 Mr '63.

SCHOOLCHILDREN

We are living for a great cause. V. Malov, L. Balaishkova. *Komsom. zhizn'* no. 8:25-26 Mr '63.

SCHOOLHOUSES

Let's have more houses for little children. I. Padezhnov. *Doshk. vosp.* 36 no. 2:33-35 F '63.

Pedagogical requirements of boarding school interiors. V. Shukhev. *Shkola-int.* no. 1:84-87 Ja-F '63.

Sovetov, S. E., and G. N. Sordukovskaya. [Hygienic principles of the design, construction and equipment of schools and preschool institutions] *Gigienicheskie osnovy proektirovaniya, stroitel'stva i oborudovaniya shkol i detskikh doshkol'nykh uchrezhdenii.* Moskva, Medgiz, 1962. 398 p.

SCHOOLS—FURNITURE, EQUIPMENT, ETC.

Device for demonstration of posters and diagrams. I. Platiniskii. *Shkola i proizv.* 7 no. 4:77 Ap '63.

For beauty and comfort! N. Timofeeva. *Soshk. vosp.* 36 no. 2:41 F '63.

Kindergarten furniture and equipment. M. Shchevskaya, V. Chervinskaya. *Doshk. vosp.* 36 no. 2:36-41 F '63.

Pedagogical requirements of boarding school interiors. V. Shukhev. *Shkola-int.* no. 1:84-87 Ja-F '63.

Sovetov, S. E., and G. N. Sordukovskaya. [Hygienic principles of the design, construction and equipment of school and preschool institutions] *Gigienicheskie osnovy proektirovaniya, stroitel'stva i oborudovaniya shkol i detskikh doshkol'nykh uchrezhdenii.* Moskva, Medgiz, 1962. 398 p.

SCHUT, CORNELIS, 1597-1655

Etude sketches by Cornelis Schut. I. Linnik. *Soob. Gos. Erm.* no. 23:36-38 '62.

SCIADOPITYS, FOSSIL see subdivision under Ukraine, Western

SCIENCE

Akademiya nauk URSS. *Kiev. Sektor istorii tekhniki i estestvoznaniya.* [Problems in the history of science and technology] *Problemy istorii nauki i tekhniki.* Kiev, Izd-vo Akad. nauk URSS, 1963. 132 p.

Cybernetics and the interrelation of sciences. I. B. Novik. *Vest. AN SSSR* 33 no. 4:54-61 Ap '63.

For peace and progress. M. V. Keldysh. *Priroda* 52 no. 4:48-50 '63.

The great power of science. J. D. Bernal. *Priroda* 52 no. 4:50 '63.

Law of accelerated development in the natural sciences [with summary in English, p. 185-186]. M. N. Karpov. *Vop. filos.* 17 no. 4:106-111 '63.

Moscow. Institut narodnogo khozaystva. [Collection of student scientific papers] *Sbornik studentcheskikh nauchnykh rabot.* Moskva, 1962. 118 p.

Mysteries and discoveries. *Nauka i rel.* 4 no. 2:10-11 F '63.

Natural and artificial surroundings. B. A. Voronovich. *Priroda* 52 no. 3:40-45 '63.

Pokrovskii, G. I., and I. A. Moralevich. [To the forefront of a bold dream] *Na poredni krai smetoi mehty.* [Moskva] *Molodala gvardiya*, 1962. 207 p.

Science and technology in the world of the future. N. N. Semenov. *Nauka i zhizn'* 30 no. 1:2-15 Ja '63.

SCIENCE—BIBLIOGRAPHY see Bibliography—Science

SCIENCE—CONGRESSES

Conference on the technical and natural sciences. I. I. Gurchin. *Izv. vyz. ucheb. zav.; elektromekh.* 5 no. 2: 261-262 '63.

SCIENCE—JUVENILE LITERATURE

Vasil'ev, M. V. [Roads into a happy world; a story....] *Dorogi v schasliviy mir; rasskaz....* Moskva, Delgiz, 1962. 222 p.

SCIENCE—MISCELLANEA

Believe it or check it. *Nauka i zhizn'* 30 no. 1:59 Ja '63.

"Science, ancient and young" by Oleg Pisarzhevskii. Reviewed by V. S. Klichko. *Khim. v shkole* 18 no. 1: 86-87 Ja-F '63.

SCIENCE—PERIODICALS

Bulletin of scientific information. Rumanian-Soviet Scientific Institute of the Academy of the Rumanian People's Republic. *Gidr. strol.* 33 no. 2:61 F '63.

SCIENCE—PHILOSOPHY

Critical evaluation of positivist views on the correlation of philosophy and natural sciences. V. V. Platonov, Kh. P. Polatov. *Oshchestv. nauki v Uz.* 7 no. 2:27-34 '63.

General trends in the development of present-day natural sciences [with summary in English, p. 185]. V. I. Siforov. *Vop. filos.* 17 no. 4:65-66 '63.

SCIENCE—STUDY AND TEACHING

Heuristic method in its historical development. K. IA. Parmenov. *Izv. APN* no. 122:284-283 '62.

SCIENCE AND LITERATURE see Literature and science

SCIENCE AND RELIGION see Religion and science

SCIENCE AND STATE

Lenin and Soviet natural science. G. Platonov. *Polit. samobor.* 7 no. 3:11-18 Mr '63.

SCIENCE NEWS

Abroad. *Nauka i zhizn'* 30 no. 1:41-43 Ja '63.

News, events, facts. *Priroda* 52 no. 4:84, 103-113 '63.

News in science and technology. *Fiz. v shkole* 23 no. 1: 12-13 Ja-F '63.

Notes on Soviet science and technology. *Nauka i zhizn'* 30 no. 1:32-32d Ja '63.

Science and humanity. *Priroda* 52 no. 4:48-54 '63.

Surprises of flora and fauna. *Znaniya ta praisla* no. 2: 32 F '63.

SCIENTIFIC LIBRARIES

Improve the use of foreign literature on science and technology. S. K. Iakutik. *Opyt, rab. bibliot. s lit.* no. 5:42-46 '63.

Working with foreign scientific literature. Z. M. Shevchenko, V. N. Egorova. *Opyt, rab. bibliot. s lit.* no. 5:47-52 '63.

SCINTILLATION COUNTERS

High-efficiency detector of slow neutrons based on the mixture $ZnS(Ag) + B_2O_3$. V. V. Goltikov, G. F. Shmichak, A. A. Shkatula. Prib. i tekhn. eksp. 8 no. 2:59-62 Mr-Apr '63.
Liquid scintillation (n, γ)-detector. L. B. Pikel'ner and others. Prib. i tekhn. eksp. 8 no. 2:46-50 Mr-Apr '63.
Scintillation detector for recording scattered neutrons. L. B. Pikel'ner and others. Prib. i tekhn. eksp. 8 no. 2:51-54 Mr-Apr '63.

SCINTILLATION SPECTROMETRY

Selective scintillation spectrometer for charged particles. O. F. Nemets, B. G. Struzhko, V. V. Tokarevskii. Prib. i tekhn. eksp. 8 no. 2:34-36 Mr-Apr '63.

SCLERODERMA

Two cases of systemic scleroderma. A. I. Popova, L. A. Vasilutskaya, B. L. Pelenkov. Sov. med. 26 no. 1:120-122 Ja '63.

SCLEROTINIA

Use of a Sclerotinia sclerotiorum preparation for the processing of must and wines. E. M. Popova, L. I. Karaseva. Biokhim. vln. no. 7:119-130 '63.

SCRAP METALS

Dismantling ships for scrap metal. N. A. Ivanov. Sudostroenie 20 no. 4:48-50 Ap '63.
Increasing the technical and economic indices of the melting process of loose and briquetted chips in electric furnaces. I. A. F. Shabashov, K. P. Lebedev. Tsvet. met. 36 no. 4:84-87 Ap '63.
Waste reeling device with an individual drive. V. N. Taloverov. Kuz.-stann. prof. 5 no. 3:44 Mr '63.

SCRAPERS

Optimum correlation of the basic dimensions of scraper buckets for various types of ground. K. A. Artem'ev. Sbor. trud. MIBI no. 39:275-284 '61.

SCREENS (MINING)

Results of theoretical analysis of the screening process. E. A. Nepomnashchii. Obog. rud. 7 no. 5:29-35 '62.
Round vibrating screens with peripheral loading of materials and their design. V. P. Iziumskii, G. P. Sobolev. Khim. mashinostr. no. 2:5-8 Mr-Apr '63.

SCREW THREADS

Masloboev, G. I. A. [Screw threads and threaded articles] Roz'by i roz'boevye izdeliia. [n. p.] Rosvuzizdat, 1902, 52 p.

[MICROFILM]

SCREW THREADS—TESTING

Calculating threaded bases with a screw pitch not equal to the screw pitch of the part. I. U. N. Pastukhov. Avt. prom. 28 no. 6:38 Je '62.

SCREW THREADS, STANDARD

Allowances for metric thread with gaps. P. N. Goherman. Standartizatsia 27 no. 3:12-16 Mr '63.

SCREWDRIVERS

Automatic device for unscrewing bolts. S. S. Koltunov. Mashinostroitel' no. 3:12-13 Mr '63.

SCULPTORS, UKRAINIAN

Tolia Kushch's horses and riders. I. Andrievych. Ukraina no. 4:23 F '63.

SCULPTURE

(see also subdivision under Zagorsk)
Symbol and allegory in sculpture. R. Abolina. Iskusstvo 25 no. 12:12-22 '62.

Yuchetich, E. V. [The artist and life] Khudozhnik i zhizn'. Moskva, Izd-vo Akad. khudozhn. SSSR, 1903, 443 p.

SCULPTURE, ROMAN see subdivision under Leningrad

SCULPTURE, TURKIC see subdivision under Chuya Valley

SCYTHIAN ANTIQUITIES see subdivision under Kabardin-Balkar A.S.S.R.; Krasnodar Territory; Zhabotin

SCYTHIANS

Burial of a Scythian soldier. G. P. Sergeev. Trudy GIKM za 1980:137-140.

SEA ICE see subdivision under Alashyev Blight; Antarctic regions; Pacific Ocean

SEA SERPENT

Sea serpents. V. P. Shuntov. Priroda 52 no. 3:103-104 '63.

SEA URCHINS, FOSSIL see subdivision under Azerbaijan; Tajik Depression; Turkmenistan

SEABUCKTHORN see subdivision under Krasnoyarsk Territory

SEALS (ANIMALS) see subdivision under Pacific Ocean

SEASHORE

Migration of pebbles along the shore. V. P. Zenkovich, A. S. Konin. Priroda 52 no. 4:94-97 '63.

SEATTLE—OCEANOGRAPHIC RESEARCH STATIONS

Honeywell Oceanographic Laboratory, Seattle, Washington, O. V. Kol'man. Okeanologia 3 no. 2:362 '63.

SEAWATER

(see also subdivision under Atlantic Ocean)
Use of sea water in water recirculating systems of oil and gas refineries. N. M. Litvishkov. Khim. i tekhn. topl. i mass. 8 no. 3:25-28 Mr '63.
Using vertical stability in analyzing water masses. A. A. Zverev. Okeanologia 3 no. 2:200-205 '63.

SEAWATER—ANALYSIS see subdivision under Atlantic Ocean

SEAWATER—COMPOSITION

Salts of the world ocean. Priroda 52 no. 4:88 '63.

SEAWATER—OXYGEN CONTENT

(see also subdivision under Antarctic Ocean)
Using data on the distribution of oxygen to determine the intensity of vertical exchange in the ocean. A. G. Kolesnikov. Okeanologia 3 no. 2:250-270 '63.

SECONDARY ELECTRON EMISSION

Determination of the thickness and effectiveness of the yield zone of true secondary electrons by studying the energy band structure of X-ray photoemission. V. N. Shchemolev, M. A. Rumah, E. P. Denisov. Fiz. tver. tela 5 no. 4:1132-1137 Ap '63.

Mass spectrometry study of secondary electron emission during the bombardment of platinum by argon ions. I. A. M. Fogel', R. P. Slabospitskii, A. S. Slavyi. Radiotekh. i elektron. 8 no. 4:684-690 Ap '63.

Method for the simultaneous study of the dependence of the secondary electron and ion emission on the thickness of different films on metals. U. A. Arifov, A. Kh. Aliukhanov, S. V. Starodubtsev. Radiotekh. i elektron. 8 no. 4:660-674 Ap '63.

Secondary electron emission from activated Al-Mg alloys containing a small amount of magnesium and doped with rare earth elements. G. B. Stuchinskii. Fiz. tver. tela 5 no. 3:798-800 Mr '63.

Secondary electron emission from tungsten, tantalum, and yttrium oxide in the presence of a thermionic emission current. A. R. Shul'man, I. U. A. Morozov, I. N. Petrov. Fiz. tver. tela 5 no. 3:839-842 Mr '63.

Structure and secondary electron emission from activated beryllium bronze emitters. A. M. Tiutikov. Radiotekh. i elektron. 8 no. 4:698-708 Ap '63.

SECRETION

Secreting neurons. A. A. Volkovich. Vest. AMN SSSR 17 no. 12:93-70 '62.

SEDIMENTARY ROCKS see Rocks, Sedimentary

SEDIMENTATION ANALYSIS

Determination of the dispersity and moisture content of water-coal suspensions. G. N. Dellagin, Z. V. Smirnova. Trudy IGI 19:138-143 '62.

SEDIMENTATION AND DEPOSITION

(see also subdivision under Azerbaijan; Dubossary Reservoir)
Devices with ohmic pressure transducers for measuring the height of sedimentation in pipelines of hydraulic conveying systems. V. M. Kondakov. Viat. Inst. hidrol. i hidr. AN USSR 21:114-118 '62.

SEDIMENTS (GEOLOGY) see subdivision under Buryat A.S.S.R.; Kodubek region; Kiyaz'ma Reservoir; Pestovskoye Reservoir

SEDOHEPTULOSE

Formation of sedoheptulose-7-phosphate in tissues of organisms with different thiamine supply [with summary in English]. I. U. M. Ostrovskii. Biokhimiia 28 no. 1:22-30 Ja-F '63.

SEED ADULTERATION AND INSPECTION

New development in seed inspection. P. G. TSelykovskii. Shkola i prosv. 7 no. 2:53-58 F '63.

SEED POTATOES

Cap dusting potato tubers with phosphate fertilizers before planting. P. A. Chernomaz, E. G. Koptelova. Biol. v shkole no. 2:64-65 Mr-Apr '63.

SEED PRODUCTION

Mechanization of the gathering of coniferous seeds. E. N. Shakhov. Les. khoz. 16 no. 1:51-55 Ja '63.
Tree selection practices in Latvia. J. Galila. Les. khoz. 16 no. 1:34-38 Ja '63.

SEEDLINGS

Development of the structure of the seedling of Acer platanoides L. [with summary in English]. E. A. Kondrat'eva-Mol'vil'. Bol. zhur. 48 no. 2:199-210 F '63.

SEEDS

Nauchnaia konferentsiia po predposovnomu oblicheniiu semian. 1961. [Irradiation of farm crop seeds before sowing] Predposovnoe oblichenie semian sel'skokhoziaistvennykh kul'tur; materialy. Moskva, Izd-vo Akad. nauk SSSR, 1963, 213 p.
(DNAL)
Paraffining of corn seeds. A. Novikov. Shkola i prosv. 7 no. 4:47 Ap '63.

SEEDS—DISINFECTION

Centralized disinfection of seed corn. K. I. A. Kalashnikov. Zashch. rast. ot vred. i bol. 8 no. 11:21-23 N '61.
Electrode unit for thermal seed disinfection. I. U. A. Novinskii. Zashch. rast. ot vred. i bol. 8 no. 11:14-15 N '61.
Seed disinfectants. E. I. Andreeva. Zashch. rast. ot vred. i bol. 6 no. 6:34-35 Je '61.

SEEDS—DRYING

Cone dryer of a new design. N. K. Orlov. Les. khoz. 16 no. 1:55-57 Ja '63.

SEIGNETROELECTRIC SUBSTANCES see Ferroelectric substances

SEISMIC PROSPECTING

(see also subdivision under Arctic regions; Northak region; Orenburg Province)
One-hundred kilometers. Gleb. Goryshin. Znamia 33 no. 2:144-150 F '63.
Using seismic study methods in engineering geology. A. L. Levshin. Vop. gidrogeol. i inzh. geol. no. 26:123-135 '62.
Using the refraction prospecting method for determining the depth of occurrence of the surface of the Paleozoic basement and its lithological divisions. T. Ergeshev, Sh. Z. Musaev. Uzb. geol. zhur. 7 no. 1:40-44 '63.
Velocities of elastic waves in rock samples under the combined action of all-round and uniaxial compression. M. P. Volarevich. Dokl. AN SSSR 149 no. 3:583-585 Mr '63.

SEISMIC WAVES

Effect of the intermittent roughness of relief on the dispersion curves of surface seismic waves. G. G. Obukhov. Izv. AN SSSR. Ser. geofiz. no. 4:546-551 Ap '63.

SEISMOLOGY

(see also subdivision under Apsheron Peninsula)
Elastic oscillations of the globe. E. F. Savarenkii, O. E. Starovoi. Priroda 52 no. 3:9-14 '63.
Reflection and refraction on the boundary of two elastic media having nonrigid contact. G. S. Pod'apol'skii. Izv. AN SSSR. Ser. geofiz. no. 4:525-531 Ap '63.
Spectrum analysis of seismic vibrations. N. K. Karapetian. Blul. Sov. po seism. no. 14:77-83 '63.

SEISMOLOGY—GRAPHIC METHODS

Using the directions of the displacements in the initial waves, as observed in boreholes, to determine the leading factors of the refraction discontinuity. E. I. Gshl'perin. Izv. AN SSSR. Ser. geofiz. no. 4:513-524 Ap '63.

SEISMOMETERS

Improving the designs of multipendulum seismometers for registering major and minor earthquakes. B. K. Karapetian, V. V. Sukhodol'skii. Blul. Sov. po seism. no. 14:48-67 '63.
New devices for recording and analyzing the registration of severe earthquakes. D. P. Kirona. Blul. Sov. po seism. no. 14:39-48 '63.
New devices with photographic and directly visible recording for the registration of seismic processes. E. S. Borlaevich. Blul. Sov. po seism. no. 14:26-38 '63.
Studying earthquakes and blasts using multipendulum seismometers. B. K. Karapetian. Blul. Sov. po seism. no. 14:122-127 '63.

SEISMOLOGY

(see also subdivision under Glassar Valley)
Comparative characteristics of electrodynamic and photoelectric seismic inclinometers. N. N. Ionychev. Izv. AN SSSR. Ser. geofiz. no. 4:610-613 Ap '63.

SELENIUM

Determining the coefficient of selenium distribution in tellurium. Sh. Movlanov, A. A. Kuliev. Trudy Inst. fiz. AN Azerb. SSR 11:36-41 '63.

SELENIUM—ELECTRIC PROPERTIES

Effect of a cadmium impurity on the thermal and electric conductivity of selenium. B. D. Aleiev, G. M. Aleiev. Trudy Inst. fiz. AN Azerb. SSR 11:19-24 '63.

SELENIUM—THERMAL PROPERTIES

Effect of a cadmium impurity on the thermal and electric conductivity of selenium. B. D. Aleiev, G. M. Aleiev. Trudy Inst. fiz. AN Azerb. SSR 11:19-24 '63.
Effect of bismuth impurities on the heat conductivity and self-diffusion of selenium. B. D. Aleiev, G. B. Abdullaev, G. M. Aleiev. Trudy Inst. fiz. AN Azerb. SSR 11:5-10 '63.

SELENIUM-COPPER-ANTIMONY ALLOYS see Copper-antimony-selenium alloys

SELENIUM CRYSTALS

Determination of the force constants and calculation of the vibrational spectrum of crystalline selenium. V. G. Boitsov. Fiz. tver. tela 5 no. 4:1050-1054 Ap '63.

SELENOPHENE

Vibrational and electron spectra of some selenophene homologs. J. Eldusa, T. Polko, I. U. Iur'ev. Izv. AN Latv. SSR no. 2:63-67 '63.

SELF-DETERMINATION, NATIONAL

National liberation revolutions and some problems of international law. R. A. Tuzmukhamedov. Uch. zap. MO no. 10:119-148 '62.

SELIGER, LAKE—CAMPS

On the Seliger Lake. B. V. Almazov. Sred. spets. obr. 10 no. 4:44-46 Ap '63.

SELMINSKI, IVAN, 1890-1876

"Doctor Ivan Seliminski as a teacher, physician and civic worker" by TS. Kristanov, I. Ponnkov, S. Muslev. Reviewed by E. D. Gribanov. Sov. zdrav. 22 no. 4:88-87 '63.

SEMANTICS (PHILOSOPHY)

Semiotics are modeling God. A. Kondratov. Nauka i rel. 4 no. 2:12-18 F '63.

SEMI-PRESERVATION

Ostapko, F. I., S. I. Sorduk, and M. I. Lopatko. [Preserving animal semen] Zbirannya slm'ia tvaryn. Kyiv, Derzh. vyd-vo sil'skohospodars'koj lit-ry URSR, 1962. 76 p. (DNL)

SEMONOV, IVAN MAKSIMOVICH

Talent and work. M. Semonov. Ogonek 41 no. 13:25 Mr '63.

SEMICARBAZIDE

Use of semicarbazide as a reducing agent in colorimetric determination of phosphorus. M. I. Shapiro, V. I. Murzychenko. Lab. delo 9 no. 3:27-20 Mr '63.

SEMICARBAZONES

Derivatives of diacetylthiosemicarbazone oxime with copper (II). A. V. Ablov, N. I. Holchuk, Zhur. neorg. khim. 8 no. 3:612-616 Mr '63.

SEMICONDUCTORS

Band structure of $Al_{1-x}In_xV$ type semiconducting compounds with a chalcopyrite structure. F. M. Gushimzade. Fiz. tver. tela 5 no. 4:1109-1201 Ap '63.

Electron diffraction study of the amorphous structure of the compounds Ga, In and Sb with Se and Te. A. I. Andrievskii, I. D. Nabitovich, I. A. V. Voloshchuk. Kristallografiya 7 no. 6:805-872 N-D '62.

Energy distribution of current carriers in semiconductors in the presence of fast electron sources. IU. M. Popov. Fiz. tver. tela 5 no. 4:1170-1174 Ap '63.

Method for determining the parameters of capture levels in CdS type semiconductors. A. A. Kastal'skii. Fiz. tver. tela 5 no. 3:724-720 Mr '63.

New application of the Hall effect to semiconductors. E. D. Koltik, Priboirostroenie no. 4:4-5 Ap '63.

Operating conditions of semiconductor cooling systems. E. S. Kurylov. Khim. tekhn. 40 no. 2:7-10 Mr-Apr '63.

Radio circuit in a crystal. III, Germanov, IU. tekhn. 7 no. 2:33-37 F '63.

Relaxation rate of donor electrons in compensated semiconductors. V. I. Avdeev. Fiz. tver. tela 5 no. 3:734-739 Mr '63.

Some characteristics of the impurity distribution in semiconductor single crystals grown by Czochralsky's method. M. G. Mil'vidskii, A. V. Berkova. Fiz. tver. tela 5 no. 3:700-716 Mr '63.

Use of an optical quantum generator for the excitation of recombination luminescence in semiconductors. N. G. Basov, L. M. Litlatyn, B. D. Ostrov. Dokl. AN SSSR 149 no. 3:561-562 Mr '63.

Use of radiolotopes in studying the saturated vapors of certain semiconductors. M. G. Shakhmatnikov. Trudy Inst. fiz. AN Azerb. SSR 11:62-107 '63.

SEMICONDUCTORS—ELECTRIC PROPERTIES

Theory of the effect of current carrier entrainment by phonons in tetragonal semiconductors. F. M. Gashimzade. Fiz. tver. tela 5 no. 3:883-885 Mr '63.

Theory of the electroconductivity of ionic semiconductors in strong electric and magnetic fields [with summary in English]. R. F. Kazarinov, V. G. Skobov, Zhur. eksp. i teor. fiz. 44 no. 4:1368-1374 Ap '63.

SEMICONDUCTORS—HANDBOOKS, MANUALS, ETC.

Barshchevskii, I. N. [Physical-chemical properties of semiconductors] Fiziko-khimicheskie svoystva poluprovodnikov; uchebnoe posobie dlia studentov starshikh kursov MIT-a, Moskva, Mosk. in-t inzhenerov transporta, 1962. 60 p. [MICROFILM]

SEMICONDUCTORS—THERMAL PROPERTIES

Heat conductivity of some compounds of the type Al_2B_2 . G. B. Abdullayev and others. Trudy Inst. fiz. AN Azerb. SSR 11:46-51 '63.

SEMI-LUKI—CRUSHING MACHINERY

Industrial use of an inertial cone crusher "Mekhanobr-500" at the Semiluki Plant. A. K. Rundkvist. Obog. rud 7 no. 3:38-43 '62.

SEMINAL VESICLES—RADIOGRAPHY

Röntgenographs of the seminal vesicles (vesiculography) of gonorrhea patients taken of endovaginal material. M. U. Mirzagatov. Med. zhur. Uzb. no. 8:60-71 Ag '62.

SEMPALATINSK PROVINCE—CRIME PREVENTION

We should develop the participation of the Soviet public in the prevention of crime. G. Strochenko, N. Karateeva. Sots. zakon. 39 no. 7:48-49 Jl '62.

SEMPALATINSK PROVINCE—HEALTH RESORTS, WATERING PLACES, ETC.

Health resort resources of eastern Kazakhstan. S. I. Zamiatin, A. F. Andrushchenko, R. N. Red'ko. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:3-11 '62.

SEMIRECH'YE see Dzhetysay

SEMITIC LANGUAGES—GRAMMAR, COMPARATIVE

Slaruhn, V. P. [Structure of the Semitic word; divided morphemes] Struktura semitskogo slova; preryvlyste morfemy. Moskva, Izd-vo vostochnoi lit-ry, 1963. 114 p.

SENESCENCE see Aging

SENTENCES (CRIMINAL PROCEDURE)

Findings of judicial sentences. V. Korotych. Rad. pravo no. 2:57-59 Mr-Apr '63.

SEPARATORS (MACHINES)

Automatic control of type CTA-1.5 and STA-3 centrifugal separators on ships of the merchant marine. V. F. Belonogov, G. I. Shabalin. Sudostroenie 29 no. 4:58-60 Ap '63.

Hydrocyclone with an auxiliary magnetic field. B. A. Mazlennikov, A. N. Polischuk. Gor. zhur. no. 3:70 Mr '63.

Operating model of a cyclone. Alajos Zimani. Khim. v shkole 18 no. 1:80 Ja-F '63.

Separator for dressing lump material. I. F. Zaitsev and others. Gor. zhur. no. 4:76 Ap '63.

Separator for suspensions difficult to filter. S. A. Plushkin, B. D. Kukalenko, P. G. Romankov. Khim. mashinostr. no. 2:1-2 Mr-Apr '63.

Thickening of corn pulp in hydrocyclones. B. K. Bychkov. Sakh. prom. 37 no. 3:62(222)-67(227) Mr '63.

Three-product hydrocyclone. A. I. Zhargarin. Obog. rud 7 no. 3:43-46 '62.

SEPARATORS (MACHINES)—TESTING

Comment on the article by A. F. Shornikova and B. S. Kurdaev "Industrial testing of the SVS-25 separator with dressing in a fluidized bed, V. I. Korshunov. Ugol' 30 no. 4:62 Ap '63.

SEQUENCES (MATHEMATICS)

Compactness of a family of totally additive functions of a set. G. I. Areshkin. Uch. zap. Ped. inst. Gerts. 238: 102-110 '62.

Effectiveness of a regular matrix. I. I. Oglovetskii. Izv. AN SSSR, Ser. mat. 27 no. 2:329-342 Mr-Apr '63.

Generalization of the concept of periodic continuation. V. D. Golovin. Dokl. AN SSSR 149 no. 3:502-504 Mr '63.

Solution to an infinite system of linear algebraic equations in a class of growing sequences. F. D. Derkovich. Dokl. AN SSSR 149 no. 3:495-498 Mr '63.

SERAFIMOVICH, ALEKSANDR SERAFIMOVICH

A. S. Serafimovich; on the 100th anniversary of his birth. Vest. AN SSSR 33 no. 4:117-118 Ap '63.

SERBO-CROATIAN LANGUAGE—ORTHOGRAPHY

Dmitriev, P. A., and G. I. Saifonov. [New rules of Serbo-Croatian spelling] Novye pravila pravopisaniia sorbokhorvatskogo iazyka; uchebnoe posobie. [Leningrad] Izd-vo Leningradskogo univ., 1963. 53 p. (V pomoshch' studentam vechernikh i zaochnykh vuzov)

SERGEYEV, FEDOR ANDREEVICH, 1893-1921

Avion in Australia. Petro Hutsal. Ukraina no. 6:8-11 Mr '63.

Dates, events, and people. Komm. Bel. 37 no. 3:75-77 Mr '63.

SERICULTURE see subdivision under Turkmenistan

SERIES

The (c)-property in the methods of Cesaro and Abel-Poisson and the theorems of the Tauber type. N. A. Davydov. Mat. sbor. 60 no. 2:185-206 F '63.

Series in Haar's system. P. L. Ulianov. Dokl. AN SSSR 149 no. 3:532-534 Mr '63.

SERIES, TAYLOR'S

Computation of the volume of a figure with the help of Simpson's formula. I. S. Khmov. Mat. v shkole no. 2: 30-33 Mr-Apr '63.

Contribution to the theory of frequency conversion. S. K. Savin. Elektrosv'az' 17 no. 4:39-44 Ap '63.

Elementary proof of Simpson's rule. I. A. Marnianskii. Mat. v shkole no. 2:28-30 Mr-Apr '63.

Studying volumes with the help of Simpson's formula in the 11th grade. V. M. Klopchik. Mat. v shkole no. 2: 33-35 Mr-Apr '63.

SERINE

Reaction of diazoacetic ester with unsaturated compounds of silicon and germanium. I. E. Dolgi, A. P. Meshcheryakov, G. K. Gaivoronskaya. Izv. AN SSSR, Otd. khim. nauk no. 3:572-575 Mr '63.

Serine synthesis from hydroxypyruvic acid in live plants. V. L. Kretovich, K. M. Stepanovich. Dokl. AN SSSR 148 no. 4:939-940 F '63.

SERPUKHOV DISTRICT—DISABILITY EVALUATION

Good deed. K. Kozinina. Sots. obozr. 24 no. 3:31-35 Mr '63.

SERUM

Colorimetric method of determining serum lactic dehydrogenase (lactate dehydrogenase) and its use in clinical practice. B. F. Korovkin, E. F. Eshina, A. N. Pradtechenskii. Lab. delo 9 no. 3:17-20 Mr '63.

Effect of the serums of patients suffering from rheumatism and infectious nonspecific polyarthritis on some tissue cultures [with summary in English]. L. T. Piai, L. S. Prilimagi. Vop. revm. 3 no. 1:25-31 Ja-Mr '63.

Increase in the activity of the antihemagglutinins of an anti-influenza serum due to heating. M. G. Gaidamaka, A. S. Dromashko, A. A. Mukhina. Vop. virus. 7 no. 6: 726-729 '62.

Seasonal changes of the carotene content in cattle serum. N. A. Tokoval, M. V. Anisimov. Trudy Kras. SKHI 3 no. 1:73-80 '59.

SERUM DIAGNOSIS

Laboratory diagnosis of influenza. I. A. Sutin. Lab. delo 9 no. 3:34-35 Mr '63.

SERVICE INDUSTRIES

(see also subdivision under Al'met'yevsk; Komsomolsk-on-Amur; Kuznetsk Basin; Moscow; Ryazhsk; Tallinn)

Contracts for services. V. Masekhin. Mest, prom. i khud. promys. 4 no. 3:11 Mr '63.

A great honor. V. Moskalov. Mest, prom. i khud. promys. 4 no. 3:1-2 Mr '63.

SERVICE INDUSTRIES—AUDITING AND INSPECTION

Take active part in improving the service industries. A. Shuvalov. Fin. SSSR 37 no. 3:22-26 Mr '63.

SEUCHANKA, ANTON NIKIFARAVICH, 1903-

Anton Nikiforovich Seuchanka; on his 60th birthday. H. P. Huryanovich, L. H. Plukh, K. M. Salaulov. Vest. AN BSSR, Ser. fiz.-tekhn. nav. no. 1:124-128 '63.

SEVASTOPOL—POLITICS AND GOVERNMENT

Voluntary participation in community work. V. Paskov. Komm. Ukr. 36 no. 3:83-85 Mr '63.

SEVCHENKO, ANTON NIKIFOROVICH, 1913-

Anton Nikiforovich Sevchenko; on his 60th birthday. Opt. i spektr. 14 no. 3:447-448 Mr '63.

SEVENTH-DAY ADVENTISTS

The religious commune of a traitor. A. Romanov. Nauka i rel. 4 no. 2:24-27 F '63.

SEVEROURAL'SK REGION—PENTAMERIDAE, FOSSIL

New subfamily and species of Silurian Pentameridae. V. P. Sapel'nikov. Paleont. zhur. no. 1:83-89 '63.

SEWAGE—PURIFICATION

List of literature with summaries. Vod. i san. tekhn. no. 4:3 of cover Ap '63.

SEWAGE DISPOSAL

Moscow, Pervyi meditsinskii institut. [Methods of determining sanitary conditions of discharging sewage into bodies of water] Metodika opredeleniia sanitarnykh uslovii spuska v vodoemy stochnykh vod; uchebnoe posobie k prakticheskim zaniatiyam. Moskva, 1962. 50 p. [MICROFILM]

Sanitary conditions for disposing of sewage into the sea and the length of the area over which it spreads. IU. K. Chernus. Vod. i san. tekhn. no. 4:11-13 Ap '63.

SEWING MACHINES

New types of sewing machines. V. P. Kozlov. Shvein. prom. no. 1:10-14 Ja-F '63.

SEX (BIOLOGY)

On the classification of sexual cycles in bony fishes. O. B. Chernyshov. Vsiyky Kyiv. un. no. 1, Ser. biol. no. 2:123-126 '58.

SEX IN PLANTS see Plants, Sex in

SHACKLETON ICE SHELF REGION—GEOPHYSICS—OBSERVATION

Structure of Pobeda ice island based on geophysical data. V. B. Tsukernik, A. I. Frolov, P. A. Stroyev. Inform. blul. Sov. antark. eksp. no. 37:29-33 '62.

SHAFT SINKING see subdivision under Donets Basin; Krivoy Rog Basin

SHAFING

Diagram for the calculation of shaft lines according to the norms of the U. S. S. R. register. N. I. Karneev. Sudostroenie 29 no. 4:32-34 Ap '63.

Magnetic gasketing of shafts (from "AEI Engineering," no. 2 1962). I. A. E. Vol'fkovich. Prom. energ. 18 no. 4:38 Ap '63.

Selecting keys for stepped and hollow shafts. A. N. Reimers. Standartizatsiya 27 no. 3:30-32 Mr '63.

- SHAFTING—TESTING**
Measuring loads in the crankshaft of a running engine. A. V. Adamovich, I. A. V. Tikhomirov. Avt. prom. 28 no. 6:5-9 Je '62.
- SHAGINIAN, MARIE'TTA SERGEEVNA, 1888-**
Eternal restlessness. Ljudmila Skorina. Ogonek 41 no. 14:14-15 Mr '63.
- SHAKESPEARE, WILLIAM, 1564-1616**
Two "gloomy comedies" of Shakespeare. A. Anikat. Teatr 24 no. 3:86-93 Mr '63.
- SHAKH-AZIZOV, KONSTANTIN IAZONOVICH**
A rare director, Viktor Rozov. Teatr 24 no. 4:121 Ap '63.
- SHALIAPIN, FEDOR IVANOVICH, 1873-1938**
Comet by the name of Fedor. Sol Huruk. Sov. muz. 27 no. 2:85-92 F '63.
Faust; on the 25th anniversary of the death of F. I. Shaliapin. V. I. Vlasov. Teatr 24 no. 4:92-96 Ap '63.
Rare photographs of F. I. Shaliapin. A. Teleshev. Sov. foto 23 no. 2:41 F '63.
Work on "Aleko." E. Kaplan. Sov. muz. 27 no. 2:79-85 F '63.
- SHAMURIN, EVGENII IVANOVICH, 1888-1962**
In memory of E. I. Shamurin. Bibliotekar' no. 2:64 F '63.
- SHAR'YA DISTRICT—WOODWORKING INDUSTRIES**
Analyzing the amount of shrinkage and shaping allowances of lumber at the Shar'ya Housing Construction Combine. Z. Kokotcheva. Trudy Ural. lesotekh. inst. no. 17:34-45 '60.
- SHATSK DISTRICT—AUXILIARY POLICE**
We are trying to eliminate the violations of law. L. Storozhenko. Rad. pravo no. 2:29-31 Mr-Apr '63.
- SHAULDER DISTRICT—COOPERATIVE SOCIETIES**
Shoulder contrasts. F. Tsvirko. Koop. Kazakh. 5 no. 12:44-47 D '62.
- SHAVING**
You should shave every day. Rab. i slal. 39 no. 3:24 Mr '63.
- SHCHERBAKOV, DMITRII IVANOVICH, 1893-**
Celebration in honor of Academician D. I. Shcherbakov. Vest. AN SSSR 33 no. 4:98-99 Ap '63.
Geologist, geographer, and traveler. Priroda 52 no. 3:105 '63.
Seventieth birthday of Academician D. I. Shcherbakov. Sov. geol. 6 no. 4:161-163 Ap '63.
- SHEBEKINO—OVENS**
Shortcomings of the metal construction of the FTL-2 oven. I. A. Shtrel. Khleb. i kond. prom. 7 no. 4:39-40 Ap '63.
- SHEEP**
(see also subdivision under Kazakhstan; Merke District)
Physicochemical characteristics of sheep fat dependent upon its location in the carcass and the season. N. Nakonechnyi. Mias. ind. SSSR 33 [i. e. 34] no. 2:25 '63.
- SHEEP—FEEDING AND FEEDS** see subdivision under Chirchik Province
- SHEEP—PHYSIOLOGY**
On the digestive enzymes of the placenta and the digestive organs of sheep fetuses. L. T. Kapralova. Dokl. AN SSSR 148 no. 4:985-988 F '63.
- SHEET-METAL WORK**
Automatic press for the manufacture of punched and drawn screens from sheet metal. I. I. Naumov. Kuz. shtam. prozv. 5 no. 4:40-41 Ap '63.
Automatic stamping press for manufacturing rings of a strip. V. G. Kovalenko. Mashinostroitel' no. 3:18 Mr '63.
Davydov, I. P., and G. V. Pokrovskii. [Technology for the die stamping of titanium-alloy sheet] Tekhnologiya listovoi shtampovki titanovykh splavov. Moskva, Mashgiz, 1963. 69 p.
Manufacture of butt-welded flanges. S. B. Amosov. Kuz. shtam. prozv. 5 no. 4:9-11 Ap '63.
Potekushin, N. V. [Mechanization and automation of cold pressing operations] Mekhanizatsiya i avtomatizatsiya kholodnoshtampovnykh rabot. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1961. 45 p. (Obmen peredovymi opytom: Kuznechnoe proizvodstvo)
- SHEET-METAL WORK—EQUIPMENT AND SUPPLIES**
Waste reeling device with an individual drive. V. N. Talovarov. Kuz. shtam. prozv. 5 no. 3:44 Mr '63.
- SHEET-METAL WORK—EXPLOSIVES** see Explosives in sheet-metal work
- SHEET-METAL-WORKING MACHINERY**
Analysis of cycle diagrams for multiposition sheet-metal working automatic presses. D. S. Sturov. Kuz. shtam. prozv. 5 no. 4:32-37 Ap '63.
- Mechanization and automatic control of sheet metal working processes in small batch production.** A. S. Zal'ts, G. Kh. Oks, P. A. L'vov. Kuz. shtam. prozv. 5 no. 4:42-43 Ap '63.
New method of the deep drawing of parts on sheet-metal working hammers. S. V. Saparovsky, E. P. Smellakov. Kuz. shtam. prozv. 5 no. 4:25-27 Ap '63.
Semiautomatic press unit for blanking and forming portions of sheet-metal parts. B. A. Ioffe. Kuz. shtam. prozv. 5 no. 3:42-44 Mr '63.
Typical graph of initial deforming forces for sheet-stamping on progressive automatic presses. P. G. Orlov. Kuz. shtam. prozv. 5 no. 3:34-38 Mr '63.
Using the electrohydraulic effect in pressure metalworking processes. I. U. S. Raduchenko. Kuz. shtam. prozv. 5 no. 3:25-28 Mr '63.
- SHEET STEEL**
Effect of ironing passes in rolling on the properties of low-carbon steel sheet. I. I. Bokov, L. G. Shub. Stal' 23 no. 4:340-343 Ap '63.
- SHEET STEEL—WELDING**
Making cylindrical structures from welded sheets. B. A. Zhil'tsov. Avtom. svar. 18 no. 3:73-75 Mr '63.
Welding thin-sheet Kh28AN steel under flux and in carbon dioxide. N. I. Kakhovskii, V. G. Partushnyi. Avtom. svar. 18 no. 3:53-55 Mr '63.
- SHEFTAL', NIKOLAI NAUMOVICH, 1902-**
Nikolai Naumovich Sheftal'; on his 60th birthday. Kristallograf 7 no. 6:811-812 N-D '62.
- SHEKINA RIVER—HYDRAULIC ENGINEERING**
Dam on the Shekina River. G. Krylov. Rech. transp. 22 no. 4:33 Ap '63.
- SHEMONAKHA DISTRICT—COOPERATIVE SOCIETIES**
The first year in trade. V. Afanas'ev. Koop. Kazakh. 5 no. 12:37-39 D '62.
- SHEPHERDS** see subdivision under Buryat A. S. S. R.
- SHERRY**
Film-forming and sherrizing capacity of some wine yeast strains. P. F. Ivlev. Trudy KIPP no. 22:274-288 '61.
- SHEVCHENKO, TARAS, 1814-1861**
Akademiya nauk URSS, Kiev, Institut literatury. [Letters written to T. H. Shevchenko, 1840-1861] Lyisty do T. H. Shevchenka, 1840-1861. Kyiv, Vyd-vo Akad. nauk URSS, 1962. 331 p.
Barka, Vasyl. [Truth of Kobzar'] Pravda Kobzaria. [New York] Vyd-vo Proloh, 1961. [Suspil'no-politychna biblioteka, ch. 12] (InU)
Folklore in T. H. Shevchenko's "South-Russian primer." I. U. P. Stupak. Nar. tvorch. ta ein. 6 no. 4:91-95 O-D '62.
Mykhailo Komarov and his collection of poems devoted to T. Shevchenko. H. Zlenko. Ukraina no. 5:18 Mr '63.
"Publication is not permitted." L. Stetsenko. Ukraina no. 5:19 Mr '63.
Shevchenko and Kostomarov. M. Matsapura. Ukraina no. 6:18-19 Mr '63.
- SHEVCHENKO, TARAS, 1814-1861—FOLKLORE, MYTHOLOGY**
How T. Shevchenko redeemed a girl and her parents. Submitted by Vasyl' Lysenko. Ukraina no. 6:19 Mr '63.
- SHEVCHENKO, TARAS, 1814-1861—MONUMENTS, ETC.**
Story of an "illicit monument." Mykhailo Roslyk. Ukraina no. 5:19 Mr '63.
- SHEVCHENKO, TARAS, 1814-1861—MUSEUMS, RELICS, ETC.**
A 100-year-old manuscript. V. Svatovets'. Ukraina no. 6:18 Mr '63.
- SHEVCHENKO, VIKTOR NIKOLAEVICH, 1872-1952**
Margolin, E. M. V. N. Shevchenko, 1872-1952. Leningrad, Medgiz, 1963. 98 p. (Vydatushchiesia delateli otechestvennoi meditsiny)
- SHIELD BUGS** see Eurygaster
- SHIELDING (ELECTRICITY)**
Shielding effect of underground metal structures during the galvanic action of a. c. railroads. L. D. Razumov. Elektrosviaz' 17 no. 3:64-70 Mr '63.
- SHIGELLA**
Survivability of symtomycin-resistant dysenteriae bacteria in fecal masses. E. G. Nabiev. Kaz. med. zhur. no. 5:47-50 S-O '62.
- SHIMANKO, ISAAK IL'ICH, 1887-1962**
Obituaries. Vop. kur., fizioter., i lech. fiz. kul't. 28 no. 1:94 '63.
- SHINGLES (DISEASE)** see Herpes zoster
- SHIP HANDLING**
Inertial characteristics of ships and barge trains. N. Solarev. Rech. transp. 22 no. 4:39-41 Ap '63.
- "Ship handling during maneuvers (in restricted water areas)" by V. P. Tikhomirov. Reviewed by G. F. Stepanov. Mor. sbor. 46 no. 5:80-94 My '63.
- SHIP HANDLING—BIBLIOGRAPHY** see Bibliography—Ship handling
- SHIP MODELS**
Modern means of hydrodynamic testing. S. V. Peshin. Sudostroenie 20 no. 4:10-13 Ap '63.
- SHIP PROPULSION, ELECTRIC**
Khalkin, A. B. [Dynamics of electric ship propulsion systems] Dinamika grebnykh elektricheskikh ustanovok. Leningrad, Izd-vo "Morskoi transport," 1962. 636 p.
- SHIP REGISTERS**
Diagram for the calculation of shaft lines according to the norms of the U. S. S. R. register. N. I. Karnev. Sudostroenie 20 no. 4:32-34 Ap '63.
- SHIP TRIALS**
Results of the full-scale testing of the hull strength of the steamer "Leningradskii Kosmopolit." F. V. Iakovlev, E. N. Kultanchev. Blul. tekhn. - ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:27-35 '62.
- SHIPBUILDING**
(see also subdivision under Belgium; Germany, East; Great Britain; Ireland; Italy; Japan; Netherlands; Yugoslavia)
New lighters. B. V. Bogdanov. Sudostroenie 20 no. 4:71 Ap '63.
Shipbuilders and ships. A. Starkov, K. Cherevov. Ogonek 41 no. 16:8-9 Ap '63.
Use of computer techniques in shipbuilding (from "Electronics," no. 12, 1962. "Marine Engineer and Naval Architect," no. 1036, 1962). V. P. Evteev. Sudostroenie 20 no. 3:57 Mr '63.
- SHIPBUILDING—BIBLIOGRAPHY** see Bibliography—Shipbuilding
- SHIPBUILDING—CONGRESSES**
Conference on problems in the over-all mechanization of industrial processes in shipbuilding and ship repairs. S. M. Tarunov. Sudostroenie 20 no. 4:72 Ap '63.
Simultaneous conference of sections of scientific technological organizations on problems of stress concentrations in welded structures. Sudostroenie 20 no. 3:70 Mr '63.
- SHIPBUILDING—PERIODICALS**
Seventh Annual Conference of Readers' of Shipbuilding Literature. Sudostroenie 20 no. 3:70 Mr '63.
- SHIPBUILDING MATERIALS**
Fire resistance of aluminum alloy hull structures. N. I. Gagarin, P. D. Kireev. Sudostroenie 20 no. 3:43-44 Mr '63.
New methods of painting plastic marine structures. N. I. Rumiantsev. Sudostroenie 20 no. 4:61-62 Ap '63.
Shape of the cross section of a hull bar. A. A. Kirin, V. A. Dubrovskii. Sudostroenie 20 no. 3:53 Mr '63.
"Shipbuilding materials and ship repairs" by V. M. Shevchenko. Reviewed by G. Finkel'. Mor. flot 23 no. 1:43 Ja '63.
Standardization for every given design. V. F. Karalsh. Sudostroenie 20 no. 3:45-47 Mr '63.
Utilization of industrial wastes of "ekspanzit." A. K. Lialtina. Sudostroenie 20 no. 3:55 Mr '63.
Xyloolith coatings of wooden decks of fishing boats. P. Amonatidi. Ryb. khoz. 30 no. 4:40-41 '63.
- SHIPBUILDING WORKERS** see subdivision under Nikolayev (Ukraine)
- SHIPFITTING**
Kuz'menko, V. K., N. A. Fedorov, and E. G. Frid. [Shipfitter's handbook] Spravochnik sudovogo shorachika. Pod obshchei red. V. K. Kuz'menko. Leningrad, Sudpromgiz, 1962. 327 p.
Progressive metal workers at the Kanonerskii Shipyard. A. A. Rybachek. Blul. tekhn. - ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:85-86 '62.
- SHIPPING**
Expand foreign trade shipping. Blul. tekhn. - ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:3-5 '62.
- SHIPPING—ABSTRACTS**
[Water transportation] Ref. zhur.: Vod. transp. no. 5 My '63.
- SHIPPING—STATISTICS**
Statistical data on the state of the World Shipping in 1962 (from "Lloyd's Register of Shipping Statistical Tables, 1962"). Sudostroenie 20 no. 3:66-69 Mr '63.
- SHIPS**
Dismantling ships for scrap metal. N. A. Ivanov. Sudostroenie 20 no. 4:48-50 Ap '63.
- SHIPS—AIR CONDITIONING**
Use of a refrigerating machine for air dehumidifying in holds. V. A. Zagorulko. Khel. tekhn. 40 no. 2:27-32 Mr-Apr '63.

SHIPS—CARGO see subdivision under Black Sea

SHIPS—COLD STORAGE see Cold storage on shipboard

SHIPS—EQUIPMENT AND SUPPLIES

Automatic control of type CTs-1.5 and STs-3 centrifugal separators on ships of the merchant marine. V. P. Belonogov, G. I. Shabalov. Sudostroenie 20 no. 4:58-60 Ap '63.

Heat control instrument panels made of glass-reinforced plastic. E. D. Kilmovitskii, M. I. Vigdergauz, R. M. Malova. Sudostroenie 20 no. 3:52 Mr '63.

List of specifications ratified by the Central Administration of Design Offices (TSPPK-1) for the supply of mechanisms, equipment and devices for ships of the merchant marine. Blul. tekhn.-ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 6:105-109 '62.

SHIPS—FIRES AND FIRE PREVENTION

Fire-fighting system on the motorship "Sretenek". B. V. Chirkov, Blul. tekhn.-ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 6:56-60 '62.

Fire resistance of aluminum alloy hull structures. N. I. Gagarin, P. D. Kireev. Sudostroenie 20 no. 3:43-44 Mr '63.

Fires on foreign passenger ships. L. N. Skriagin. Blul. tekhn.-ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 4:89-115 '62.

SHIPS—MAINTENANCE AND REPAIR

(see also subdivision under Rostov-on-Don)

Fruit of creative cooperation. A. Gordeev. Mor. flot 23 no. 1:41-42 Ja '63.

New stage in the development of specialization and co-operation. N. Rukavishnikov. Rech. transp. 22 no. 4:19-20 Ap '63.

"Shipbuilding materials and ship repair" by V. M. Shelchenko. Reviewed by G. Finkel'. Mor. flot 23 no. 1:43 Ja '63.

Successful completion of fleet preparation for the navigation season. K. Naidenko. Rech. transp. 22 no. 3:23 Mr '63.

Vinokurov, D. I. A. I. P. Shirotskii, and V. N. Frolov. [Brief manual for the ship repair worker] "Kratkoe posobie dlia rabochego-sudoremontnika. Moskva, Rybnoe khoz., 1962. 121 p. (Sudostroenie i sudoromont)

Volga River workers are striving for the title of a brigade of communist labor. V. Shupitkii. Rech. transp. 22 no. 4:28-29 Ap '63.

SHIPS—TECHNOLOGICAL INNOVATIONS see subdivision under Caspian Sea

SHIPS—WATER-SUPPLY

Use of silver ions for the disinfection and conservation of soft water on ships. I. M. Mamotenko. Sudostroenie 20 no. 3:19-21 Mr '63.

SHIPS—WELDING

Elements welded into the rigid plating of hull structures. V. D. Matkevich. Sudostroenie 20 no. 3:40-42 Mr '63.

One-pass automatic welding under flux with a copper sliding box. A. I. Pashchenko. Sudostroenie 20 no. 4:55-57 Ap '63.

Stekopytova, V. A. [Blue flame; from experience in the use of electric welding at the Tyumen' Shipbuilding Plant] Goluboi ogon'; iz opyta primeneniia elektro-svarki na Tiimenskom sudostroitel'nom zavode, (Tyumen') Tiimenskoe knizhnoe izd-vo, 1962. 14 p. (Za tekhnicheskii progress)

[MICROFILM]

SHIPYARDS

(see also subdivision under Zhdanov)

Grouping industrial buildings in the design of ship-repair yards. M. Fain. Mor. flot 23 no. 1:32-34 Ja '63.

Progressive metal workers at the Kanonerskii Shipyard. A. A. Rybachek. Blul. tekhn.-ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 4:85-88 '62.

SHIPYARDS—AUDITING AND INSPECTION see subdivision under Krasnoyarsk; Leningrad

SHIPYARDS—EQUIPMENT AND SUPPLIES

Conference on problems in the over-all mechanization of industrial processes in shipbuilding and ship repairs. S. M. Turunov. Sudostroenie 20 no. 4:72 Ap '63.

SHERLAN (AZERBAIJAN)—MINERAL WATERS

Influence of the Turshsu health resort area and the Shiran mineral water on the evacuating capability of the stomach. A. I. Karaev, R. I. Safarov. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:9-14 '59.

SIBYAN STEPPE see Kura Lowland

SHKLOVSKII, VIKTOR BORISOVICH, 1893-

Once upon a time... (conclusion). Viktor Shklovskii. Znaniia 33 no. 2:100-102 F '63.

SHKURAT, STEPAN IOSIFOVICH

S. I. Shkursi and his roles. I. Rachuk. Isk. kno 33 no. 3:161-162 '63.

SHKURSKII, VLADIMIR IVANOVICH

Thirty years in one theater. N. Danilev. Teatr 24 no. 4:64-68 Ap '63.

SHMERKOVICH, MARIA

The spectator does not remain indifferent. I. Narovlian-skii. Sov. foto 23 no. 3:38-39 Mr '63.

SHOCK

Treatment and hospitalization of patients with myocardial infarct complicated by collapse [with summary in English]. L. B. Shapiro and others. Sov. med. 26 no. 1:18-21 Ja '63.

SHOCK (MECHANICS)

When time aims at zero. G. Smirnov, IU, tekhn. 7 no. 2:30-32 F '63.

SHOCK ADSORBERS

Movement of a rubber-cushioned instrument mechanism during impact tests. V. S. Novoselov. Izv. vys. ucheb. zav., prib. 6 no. 2:107-114 '63.

SHOCK WAVES

Formation of shock waves in Laval nozzles. O. S. Ryzhov. Prikl. mat. i mekh. 27 no. 2:309-337 Mr-Apr '63.

SHOE INDUSTRY see subdivision under Alma-Ata Province; Chelyabinsk; Mongolia; Soviet Central Asia

SHOE INDUSTRY—EXHIBITIONS see subdivision under Kazakhstan

SHOE INDUSTRY—MANAGEMENT see subdivision under Lvov

SHOE MACHINERY

Improved lips of the middle pliers of the OM-2 lasting machine. O. K. Ribal'chenko, F. M. Rafibekov. Leh. prom. no. 1:45-48 Ja-Mr '63.

Use of vibrator devices in lasting. V. P. Skvarik, I. Z. Steblina. Leh. prom. no. 1:72-75 Ja-Mr '63.

The VU-1 machine for attaching boot tabs by the vulcanization method. I. V. Kolesnik, E. L. Kritsberg. Leh. prom. no. 1:19-23 Ja-Mr '63.

SHOE MANUFACTURE

Development of shoe upper construction models using two basic pattern designs. IU. A. Dubinskii, M. B. Outrovskii. Leh. prom. no. 1:24-29 Ja-Mr '63.

Efficient formula for the decorative polyvinyl chloride well coating providing for the optimum spraying conditions. E. S. Rabinovich. Leh. prom. no. 1:46-47 Ja-Mr '63.

Pattern making for shoe uppers and sole parts of children's sandals manufactured with the stitchdown method. F. M. Rafibekov, N. L. Vaserman. Leh. prom. no. 1:29-31 Ja-Mr '63.

SHOOTING—STUDY AND TEACHING

Konoplev, M. A. [Basic training in small-arms firing] Nachal'naiia podgotovka streika-razriadnika. Moskva, Izd-vo DOSAAF, 1962. 166 p.

SHOR-SU REGION—MINERALOGY

Vertical and horizontal mineral formations in the Shor-Su sulfur deposit. N. P. Ushkin. Zap. Vses. min. ob-va 02 no. 1:84-86 '63.

SHORE PROTECTION

(see also subdivision under Proletarskaya Reservoir)

Design of simplified slope lining with dumped unsorted stone. V. L. Makeymchuk, V. M. Sydoruk. Visti Inst. hidrol. i hidr. AN URSR 21:22-29 '62.

Experimental study of the protection of flat banks from erosion by currents along the banks. V. Z. Averin. Visti Inst. hidrol. i hidr. AN URSR 21:14-21 '62.

SHORM, FRANTSEHEK, 1913-

Anniversary of Academician F. Shorm. Vest. AN SSSR 33 no. 4:99-100 Ap '63.

SHORT CIRCUITS

Pulse circuit for protection against small short-circuit currents. D. K. Buzetli. Sbor. nauch. rab. AKKH no. 13:50-63 '62.

Sectional protection with parallel functioning of the sections of a contact network. N. E. Nikol'skaiia. Sbor. nauch. rab. AKKH no. 13:64-78 '62.

Study of protection against small short-circuit currents. D. K. Buzetli, D. K. Tomlanovich. Sbor. nauch. rab. AKKH no. 13:49-58 '62.

SHOSTAKOVICH, DMITRI DMITRIEVICH, 1906-

Concerts in different cities: D. Shostakovich and M. Rostropovich on the podium. V. Morenov. Sov. muz. 27 no. 1:108-109 Ja '63.

New encounter with Katerina Izmailova. K. Sakva. Sov. muz. 27 no. 3:67-82 Mr '63.

Orlov, G. A. [D. Shostakovich's symphonies] Simfonii D. Shostakovicha. Leningrad, Muzgiz, 1962. 67 p. (Biblioteka muzykal'nogo obrazovaniia)

SHOT PEENING

Shot peening of strained parts working under variable torsion conditions. M. I. Shashin. Vest. mashinost. 43 no. 4:53-55 Ap '63.

SHOULDER JOINT—DISLOCATIONS

Fracture dislocations of the shoulder joint and their treatment. A. L. Gimml'farb. Kaz. med. zhur. no. 5:27-30 S-O '62.

SHREWS

Ecologic and physiologic characteristics of the blood in shrews and moles. P. A. Korzhuev, T. I. Korot'skaia. Trudy Inst. morf. zhiv. no. 41:129-136 '62.

SHRIMPS see subdivision under Atlantic Ocean

SHUKHMIN, PETR MITROFANOVICH

P. Shukhmin's painting "Order to attack." A. Solov'ev. Iskusstvo 26 no. 2:38-40 '63.

SIALIC ACIDS

Interrelations between chronic tonsillitis and rheumatic fever (content of sialic acid in the blood serum of patients suffering from chronic tonsillitis and rheumatic fever) [with summary in English]. V. Z. Pushkin, V. N. Lebedev, L. S. Mostpanov. Vop. revm. 3 no. 1:85-88 Ja-Mr '63.

SIBERIA—AERONAUTICS IN SURVEYING

Using data of aeroradiometric surveying in searching for nonradioactive minerals and for purposes of geological mapping. A. O. Smilkstyn. Trudy SNIIGGIMS no. 25:72-80 '62.

SIBERIA—BAUXITE

Prospects for finding bauxite in Siberia and the trends in the methods of further prospecting. IU. K. Goret'skii, P. V. Orlova, S. L. Spirin. Min. syr'e no. 5:3-19 '62.

SIBERIA—BERYL

Intergrowth of quartz and aquamarine. I. E. Kamenshev. Zap. Vses. min. ob-va 02 no. 1:93-94 '63.

SIBERIA—BIRCH

Taxonomy of Siberian birches. D. B. Arkhangel'skii. Bot. zhur. 48 no. 3:427-428 Mr '63.

SIBERIA—BOTANY, ECONOMIC

Smirnov, N. N. [Medicinal and technical plants in Siberia] Lekarsvennye i tekhnicheskie rasteniia Sibiri. Izd. 2, dop. [Omsk] Omskoe knizhnoe izd-vo, 1959. 233 p. (CU-A)

SIBERIA—BOTANY, MEDICAL

Smirnov, N. N. [Medicinal and technical plants in Siberia] Lekarsvennye i tekhnicheskie rasteniia Sibiri. Izd. 2, dop. [Omsk] Omskoe knizhnoe izd-vo, 1959. 233 p. (CU-A)

SIBERIA—CADDIS FLIES

Study of the larvae of caddis flies (Trichoptera) of Siberia and the Far East. I. M. Levantova. Izv. TINRO 48:190-194 '62.

SIBERIA—DESCRIPTION AND TRAVEL

Zlabrev, A. E. [The blue route] Goluboi marshrut. [Novosibirsk] Novosibirskoe knizhnoe izd-vo, 1962. 94 p. (Eto - nasha Sibir')

[MICROFILM]

SIBERIA—EROSION

Gully control. B. F. Kosov. Priroda 52 no. 4:55-59 '63.

SIBERIA—GEOGRAPHY

"Bulletin of the Altai Section of the Geographical Society of the U. S. S. R." Reviewed by V. B. Sochava. Izv. Vses. geog. ob-va 95 no. 1:92-94 Ja-F '63.

SIBERIA—GEOLOGY

Eocene sediments in the margins of the Tom'-Kolyvan'skaya fold zone and minerals associated with them. M. P. Nagorski, I. B. Sandanov, A. S. Stolarov. Trudy SNIIGGIMS no. 25:103-108 '62.

SIBERIA—GEOLOGY—MAPS

Using data of aeroradiometric surveying in searching for nonradioactive minerals and for purposes of geological mapping. A. O. Smilkstyn. Trudy SNIIGGIMS no. 25:72-80 '62.

SIBERIA—HISTORY

Nature of the uprising of the deported Poles in the Baikal Lake region in 1868. V. R. Leikina-Svirskaiia. Ist. zap. no. 72:229-245 '62.

SIBERIA—LAND SETTLEMENT

Skliarov, L. F. [Migration and land utilization in Siberia during the years of the Stolypin agrarian reform] Perekol'senie i zemleustroistvo v Sibiri v gody stolypinskoi agrarnoi reformy. [Leningrad] Izd-vo Leningr. univ., 1962. 587 p.

SIBERIA—LANGUAGES—STUDY AND TEACHING

Conference on theory and method in Tomsk. Inostr. iaz. v shkole no. 2:128 Mr-Apr '63.

SIBERIA—LARCH

Krasnoyarsk. Sibirskii tekhnologicheskii institut. [Larch] Listvenitsa; sbornik statei. Krasnoyarsk, 1962. 312 p. (Its: Trudy, no. 29)

SIBERIA—PAPER INDUSTRY—BY-PRODUCTS

Use of parchment waste at the Siberian Paper Plant. E. A. Zuev, N. G. Ufimtsev, IU. P. Shilov. Trudy Ural. lesotekh. inst. no. 17:71-75 '60.

SIBERIA—PEGMATITES

Three generations of apodumens and their role in the formation of pegmatites in Siberia. A. S. Nazarova. Min. syr'e no. 4:109-115 '62.

- SIBERIA—QUARTZ**
Intergrowth of quartz and aquamarine. I. E. Kamenshev. Zap. Vses. min. ob-va 92 no. 1:93-94 '63.
- SIBERIA—RAILROADS—CONSTRUCTION**
Construction of the Central Siberia Main. P. I. Shadervov, A. I. Golik, F. S. Bachevskii. Transp. stroi. 13 no. 3: 5-6 Mr '63.
- SIBERIA—REVOLUTION, 1917-1921**
New studies on the struggle for Soviet rule in Siberia and the Far East. L. M. Gorlushkin and others. Vop. Ist. 38 no. 4:113-120 Ap '63.
- SIBERIA—SOIL RESEARCH**
Conference of Siberian geographers and soil scientists. S. V. Zonn. Izv. AN SSSR, Ser. geog. no. 2:147-148 Mr '63.
- SIBERIA—SOIL SCIENCE—CONGRESSES**
Sibirskaia konferentsiia po khimii i inzhenernoi geologii Vostochnoi Sibiri. 2d. Chita, 1958. [Transactions of the Second Conference on Underground Waters and the Engineering Geology of Eastern Siberia held in Chita, 1958] Trudy. Irkutsk, Irkutskoe knizhnoe izd-vo No. 4. 1961. 161 p.
- SIBERIA—SPODUMENE**
Three generations of spodumene and their role in the formation of pegmatites in Siberia. A. S. Nazarov. Min. syr'e no. 4:106-115 '62.
- SIBERIA, EASTERN—BIRDS**
Birds accidentally found in Eastern Siberia. T. N. Ogina. Ornitologiya no. 4:397-372 '62.
- SIBERIA, EASTERN—ENGINEERING GEOLOGY**
Soveshchaniye po podzemnym vodam i inzhenernoi geologii Vostochnoi Sibiri. 2d. Chita, 1958. [Transactions of the Second Conference on Underground Waters and the Engineering Geology of Eastern Siberia held in Chita, 1958] Trudy. Irkutsk, Irkutskoe knizhnoe izd-vo No. 4. 1961. 161 p.
- SIBERIA, EASTERN—FIELD CROPS**
Improve the use of virgin lands in Eastern Siberia. A. G. Belykh. Zemledelie 25 no. 1:26-29 Ja '63.
- SIBERIA, EASTERN—GOLD**
Development of the drainage system and gold placer deposits in the northeastern part of the U. S. S. R. E. Z. Gorkunov. Sov. geol. 6 no. 4:73-84 Ap '63.
- SIBERIA, EASTERN—HISTORY**
Tsytylov, I. V. [Fighters remember bygone days; personal recollections of the Tsytylov brothers as told to Il'ia Chernov] Bol'she vospominaniia brat'ov Tsytylovskikh. Literaturnaia zapiska. Chernov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1961. 144 p.
(InU) (MH)
- SIBERIA, EASTERN—MOLLUSKS, FOSSIL**
Find of Myophoria lingensalis (Dum.) in Middle Liass sediments in Eastern Siberia. A. A. Savel'ev. Trudy VNIIGI no. 195. Paleont. sbor. no. 3:171-181 '62.
- SIBERIA, EASTERN—ROTATION OF CROPS**
Improve the use of virgin lands in Eastern Siberia. A. G. Belykh. Zemledelie 25 no. 1:26-29 Ja '63.
- SIBERIA, EASTERN—WATER, UNDERGROUND**
Soveshchaniye po podzemnym vodam i inzhenernoi geologii Vostochnoi Sibiri. 2d. Chita, 1958. [Transactions of the Second Conference on Underground Waters and the Engineering Geology of Eastern Siberia held in Chita, 1958] Trudy. Irkutsk, Irkutskoe knizhnoe izd-vo. No. 4. 1961. 161 p.
- SIBERIA, WESTERN—BIRDS**
New data on the distribution of birds in Western Siberia. A. M. Gygazov. Ornitologiya no. 4:154-159 '62.
- SIBERIA, WESTERN—CORN (MAIZE)**
Zootechnical evaluation of corn ensilage by using chemical preparations. A. I. Lashinski, D. I. Nikitin. Trudy Kras. SKH 3 no. 1:48-54 '59.
- SIBERIA, WESTERN—PEA TREE**
Practices in propagating the Siberian pea tree by stem cuttings. G. S. Vozniakova. Trudy Ural. lesotekh. inst. no. 17:110-112 '60.
- SIBERIA, WESTERN—PEAT INDUSTRY**
Industrial production of milled peat in Western Siberia. N. A. Bragha, I. G. Malyshev, A. D. Tanitsyna. Blui, tekhn.-ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform. no. 3:13-15 '63.
- SIBERIA, WESTERN—REVOLUTION, 1917-1921**
Bogdanov, M. A. [Defeat of the 1921 revolt of kulak and Socialist Revolutionary forces in Western Siberia] Razгром zapadnosibirskogo kulaksko-ekzernovskogo mladezha 1921 g. Tiumen' [Tiimenskoe knizhnoe izd-vo] 1961. 108 p.
(CSH-H)
- SIBERIA, WESTERN—SAND**
Genesis, classification, and commercial use of sands in Western Siberia. I. L. Shamanskii. Trudy SNIIGIMS no. 25:45-51 '62.
- SIBERIA, WESTERN—THERMAL WATERS**
Thermal waters. A. E. Gostev. Priroda 52 no. 3:70-80 '63.
- SIBERIAN PLATFORM—GEOLOGICAL TIME**
Age of the Yukte series of the Siberian Platform. A. K. Krylova, V. V. Mennor. Trudy VNIIGI no. 196. Paleont. sbor. no. 3:89-105 '62.
- SIBERIAN PLATFORM—GEOLOGY—MAPS**
Conference on the division of trap rocks in the Siberian Platform for geological mapping. M. L. Lar'ev. Sov. geol. 6 no. 2:160-164 F '63.
- SIBERIAN PLATFORM—OSTRACODA, FOSSIL**
Two new species of the Late Devonian Leperditidae from the Siberian Platform. A. F. Abushik. Paleont. zhur. no. 1:100-104 '63.
- SIBERIAN PLATFORM—ROCKS, IGNEOUS**
Conference on the division of trap rocks in the Siberian Platform for geological mapping. M. L. Lar'ev. Sov. geol. 6 no. 2:160-164 F '63.
- SIBERIAN PLATFORM—RUGOSA**
Two new genera of Silurian Cystiphyllidae (rugosa) from the Siberian Platform. M. A. Zaprudskaya, A. B. Ivanovskii. Trudy VNIIGI no. 196. Paleont. sbor. no. 3:48-57 '62.
- SIDOROV, VALENTIN**
Country and countrymen. Valentin Sidorov. Ogonek 41 no. 18:25 Ap '63.
- SIGHT SINGING**
Antoshina, M. N. [Teaching intonation with a tuning fork in solfeggio classes] Intonatsionnaya nastroyka po kamertonu v klassakh sol'fedzha. Moskva, Muzgiz, 1962. 47 p. (V pomoshch' pedagogu-muzykantu)
- SIKHOTE-ALIN' RANGE—GEOLOGY, STRATIGRAPHIC**
New data on Upper Permian sediments in the central part of the southern Sikhote-Alin' Range. V. N. Silin'ev. Sov. geol. 6 no. 2:136-143 F '63.
- SIKHOTE-ALIN' RANGE—ORE DEPOSITS**
Wall rock transformations during the ore formation process in the cassiterite-sulfide deposits as revealed by the studies of the Khrestal'nyy deposit. I. A. D. Gotsman, O. P. Fersova, V. M. Malakhova. Min. syr'e no. 5:36-46 '62.
- SIKKIM—FOREIGN RELATIONS—UNITED STATES**
Love and the State Department. I. Andronov. Nov. vrem. 20 no. 19:29-30 My '63.
- SIKKIM—QUEENS**
Love and the State Department. I. Andronov. Nov. vrem. 20 no. 19:29-30 My '63.
- SILANE**
Analysis of alkyl silanephosphoric acids by the method of titration in nonaqueous media. A. P. Kreshkov, V. A. Drozdov, R. R. Tarasants. Plast. massy no. 4:57-60 '63.
Determination of the molecular weight of polydimethylphenylalkylsilane and polytrimethylsilylsilane. N. S. Nemeikin, T. Sh. Siao-pai [Ch'iu Hsiao-p'ei], I. M. Bel'govskii. Izv. AN SSSR, Otd. khim. nauk no. 3:478-481 Mr '63.
Effect of some kinetic and hydrodynamic conditions on the direct synthesis of ethylchlorosilanes. R. A. Turetskaya and others. Khim. prom. no. 3:171-178 Mr '63.
Reaction of phenylacetylene with trichlorosilane. V. F. Mironov, N. G. Maksimova. Izv. AN SSSR, Otd. khim. nauk no. 2:387-388 F '63.
- SILAZANES**
Hydrolytic stability of phenylmethylcyclosilazanes and α, ω -bis-(trimethylsilylamino) dimethylsilazanes. K. A. Andrianov, G. I. A. Rumba. Izv. AN SSSR, Otd. khim. nauk no. 2:290-294 F '63.
Reaction of polyalkylcyclosilazanes with alcohols. M. M. Morgunova, D. I. A. Zhinkin, M. V. Sobolevskii. Plast. massy no. 4:23-24 '63.
Synthesis of polyalkoxysilazanes. M. M. Morgunova, D. I. A. Zhinkin, M. V. Sobolevskii. Plast. massy no. 3: 26-27 '63.
- SILICA**
(see also subdivision under Nakhichevan A. S. S. R.)
Adsorption of racemic and (+) -isomers of 2-butanol on stereospecific silica gels. E. I. Klabunovskii. Izv. AN SSSR, Otd. khim. nauk no. 2:228-234 F '63.
Determination of the activity of silica gels. L. N. Kvitskovskii and others. Ukr. khim. zhur. 20 no. 3:284-287 '63.
On some regularities of the melt structure in MeO-SiO₂ systems. B. I. Markhazev, I. D. Sedletskii. Dokl. AN SSSR 148 no. 4:916-918 F '63.
- SILICATE BACTERIA** see Bacteria, Silicate
- SILICATES**
Concrete without cement. I. U. Aralov. Nauka i zhytiia 12 no. 2:34 F '63.
Conference on high-temperature chemistry of silicates and oxide systems. M. A. Matveev, V. P. Barzakovskii. Zhur. VKHO 8 no. 2:224-226 '63.
- Formation and mechanical properties of dispersed structures. Physicochemical mechanics of silicate dispersions. P. A. Rebinde. Zhur. VKHO 8 no. 2:152-152 '63.
Solubility of rock-forming silicate minerals in sulfuric acid solutions. L. V. Zverev, N. N. Smirnova, V. B. Filippovskii. Min. syr'e no. 4:134-147 '63.
Some compounds of zirconium and areas of their use. P. P. Busnikov, A. M. Cherepanov. Zhur. VKHO 8 no. 2:141-146 '63.
- SILICON**
Thermal and physical constants of germanium and silicon. I. U. G. Burov, A. A. Uglov, L. M. Antshchenko. Trudy MIT no. 139:217-223 '61.
- SILICON—SPECTRA**
Ultraviolet reflection spectrum of heavily doped silicon. G. B. Dubrovskii, V. K. Shashiev. Fiz. tverd. tela 3 no. 4:1104-1106 Ap '63.
- SILICON CARBIDE—STANDARDS**
Refractory articles. E. V. Degilareva. Standartizatsiia 27 no. 4:46 Ap '63.
- SILICON CRYSTALS—GROWTH**
Electron mobility in heavily doped silicon. E. M. Orlovskii, V. I. Fislut', M. G. Mityaevskii. Fiz. tverd. tela 5 no. 3:921-927 Mr '63.
- SILICON DIODES**
Method for measuring the temperature of the element-hole junction of silicon power rectifiers. V. E. Gerasimov. Elektricheskoe no. 3:50-50 Mr '63.
- SILICON-IRON ALLOYS** see Iron-silicon alloys
- SILICON ORGANIC COMPOUNDS**
Polymerization of monoalkyl derivatives of silicon with the catalytic system (i-C₄H₉)₃Al-TiCl₄. Izv. AN SSSR, Otd. khim. nauk no. 2:269-274 F '63.
Preparation of pure dimethylcyclohexane. A. V. Kiselev, L. A. Mitrofanov. Khim. prom. no. 3:166-171 Mr '63.
Properties of and the possibility of using organosilicon polymers as components of heat-resistant adhesives. V. D. Solodovnik and others. Plast. massy no. 3:39-42 '63.
Reaction of diazoacetic ester with unsaturated compounds of silicon and germanium. I. E. Dolgis, A. I. Mikhalevskii, G. K. Gilyarovskii. Izv. AN SSSR, Otd. khim. nauk no. 3:572-575 Mr '63.
Reaction of methylthioxyethylmethyl esters of dialkylphosphorothioic acids with triethylhydroxysilane. K. A. Andrianov, I. K. Kuznetsova, I. Pakhomova. Izv. AN SSSR, Otd. khim. nauk no. 3:500-502 Mr '63.
Synthesis and transformations of 1-chloromethyl-1-methylsilacyclopentane. V. M. Vetrov and others. Izv. AN SSSR, Otd. khim. nauk no. 2:274-281 F '63.
Synthesis of polymers with inorganic chains containing polyorganosiloxaphosphorane moieties. K. A. Andrianov, A. A. Kazakova. Plast. massy no. 3:24-26 '63.
Synthesis of triethylsilyl-substituted alkyl phosphorothioic acids and their esters. E. A. Chernyshev, F. F. Buzarenko, A. D. Petrov. Dokl. AN SSSR 148 no. 4:815-817 F '63.
Synthesis of tris (triphenylsiloxy) sodium polysiloxanes. A. P. Kreshkov, L. V. Myshlaeva, D. A. Soboleva. Izv. AN SSSR 148 no. 4:843-845 F '63.
Synthesis, polymerization, and copolymerization of polyorganosiloxanes containing methacrylate groups. Part I [with summary in English]. M. A. Bulatova, S. S. Spasskii, S. G. Mishina. Vysokom. soed. 5 no. 1:141-147 Mr '63.
Thermally stable organosilicon adhesives VK-2 and VK-3. Z. G. Ivanova, A. B. Davydov. Plast. massy no. 4:17-23 '63.
- Voronkov, M. G., and N. V. Shorokhov. [Water-repellent coatings in construction] Vodosotakivatushchee pokrytie v stroitel'stve. Riga, Izd-vo Akad. nauk Latv. SSR, 1963. 180 p.
- SILICON ORGANIC COMPOUNDS—ABSORPTION SPECTRA**
Infrared spectra of unsaturated organosilicon compounds with a pentamethyldisilyl group. I. U. P. Egorov and others. Izv. AN SSSR, Otd. khim. nauk no. 3:553-554 Mr '63.
- SILICOTUNGSTIC ACID**
X-ray examination of the process of dehydration of 12-silicotungstic and 12-phosphomolybdic acids. A. I. Bobad-Zakhriapin. Izv. AN SSSR, Otd. khim. nauk no. 2: 215-220 F '63.
- SILK—STANDARDS**
Methods for testing ready silk pieces. B. M. Tel'mova. Standartizatsiia 27 no. 2:34-35 F '63.
Revision of the state standard 5618-58 for raw silk. R. A. Printseva. Standartizatsiia 27 no. 2:31-33 F '63.
- SILK MANUFACTURE** see subdivision under Ortaur
- SILK VINE** see subdivision under Azerbaijan

SILKWORKS

Effect of some trace elements on the nitrogen balance and productivity of silkworm caterpillars [with summary in English]. E. E. Shakhbazova. Ukr. biokhim. zhur. 34 no. 5:694-701 '62.

Repeated use of male tussah moths for fertilization and rest periods of males between matings. A. V. Bubach. Vysnyk Kyiv. un. no. 1. Ser. biol. no. 2:151-157 '60.

SILLS (GEOLOGY) see subdivision under Kuznetsk Basin

SILOXANES

Effect of molecular oxygen on the breakdown of the main chain of polydimethylsiloxane rubber. A. S. Kuz'min-skil, E. A. Goldovskii. Dokl. AN SSSR 140 no. 3:600-608 Mr '63.

Properties of solutions as dependent on the structure of polymers. Report No. 4: Solutions of polyphenylsiloxanes. I. I. Tverdokhlebova, S. A. Pavlova, S. R. Rafikov. Izv. AN SSSR. Otd. khim. nauk no. 3: 486-493 Mr '63.

Synthesis of dimethylcyclotrioxanes containing functional groups in a cycle. K. A. Andrianov, Lora M. Volkova, L. M. Tarakova. Izv. AN SSSR. Otd. khim. nauk no. 2:284-296 F '63.

Polymerization of dimethylcyclotrioxanes. Report No. 3: Reactions with trifunctional compounds. K. A. Andrianov, V. V. Severnyy, B. A. Izmailov. Izv. AN SSSR. Otd. khim. nauk no. 2:202-200 F '63.

SILT

(see also subdivision under Amu Darya River)
See bottom silt. N. V. Togeova. Priroda 52 no. 3:88-100 '63.

SILVER

(see also subdivision under Novgorod)
Paramagnetic resonance of silver atoms trapped in polar media at 77°K [with summary in English]. R. A. Zhitnikov, N. V. Kolesnikov, V. I. Kozlov. Zhur. eksp. i teor. fiz. 44 no. 4:1204-1210 Ap '63.

SILVER—PHYSIOLOGICAL EFFECT

From the history of the use of silver water. A. E. Shcherberg, F. A. Shirokov. Sudostroenie 20 no. 3: 21 Mr '63.

SILVER FOX—FEEDING AND FEEDS

Effect of feeding smelt and adding vitamin B₁ to the rations on the state of the puppers of silver foxes and the utilization of proteins by them. L. A. Shchepuk. Trudy Kras. SKHI 3 no. 1:104-173 '60.

SILVER IONS

Use of silver ions for the disinfection and conservation of soft water on ships. I. M. Mamotenko. Sudostroenie 29 no. 3:19-21 Mr '63.

SILVER PLATING

Chemical silverplating. I. F. Kontenich. Khim. v okhodo 18 no. 2:74-77 Mr-Apr '63.

SIMANOVICH, DAVID

"The June River" and "A meadow in May" by David Simanovich. Reviewed by N. Kialik. Bolshaya 20 no. 3:28 Mr '63.

SIMAZINE

Using simazine and atrazine in millet fields. V. Sh. Kogan. Zemledelie 25 no. 1:58-58 Ja '63.

SIMFEROPOL—AUDITING AND INSPECTION

Joint audits. P. Manik. Fin. SSSR 37 no. 4:73-74 Ap '63.

SINGAPORE—PERIODICALS

"Journal of Southeast Asian History," a periodical published in Singapore. V. A. Turin. Vop. ist. 30 no. 4:171-176 Ap '63.

SINGERS, MONGOLIAN

Realization of a dream. N. Ichinkhorlo. Sovr. Mong. 7 no. 12:26-29 D '62.

SINGING—COMPETITIONS see subdivision under Moscow; Toulouse

SINGING—INSTRUCTION AND STUDY

Sheremet'eva, N. M. [Methodological instructions for the textbook, "Our song" used in grade 2] Metodicheskie pis'mo k uchebnomu posobiu "Rodnaya pesnia" dlia II klassa; dlia uchiteloi penia. Leningrad, Uchpedgiz, 1962, 36 p.

SINTERING

(see also subdivision under Chelyabinsk)

Automation of sintering plants. D. P. Pritykin. Met. i gornorud. prom. no. 1:67-68 Ja-F '63.

Feeding fuel to the charge by dusting the pellets. I. M. Arkhipov, G. A. Nikolaeva. Obog. rud 7 no. 5:36-38 '62.

Optimum amount of air in sintering. I. I. Novenskii. Obog. rud. 7 no. 4:30-32 '62.

Sinter roasting of lead charge mixtures on a sintering machine with bottom blow, recirculation of gases and the use of oxygen. V. A. Mikhov, G. S. Gubaidullin. Tsvet. met. 36 no. 4:27-35 Ap '63.

Solid fuel for the sintering process. L. E. Kunin. Obog. rud 7 no. 5:16-18 '62.

Use of calcium in the sintering of fine concentrates of the Southern Mining and Ore Dressing Combine. V. A. Kushnrov. Obog. rud 7 no. 2:24-27 '62.

SINTERING—EQUIPMENT AND SUPPLIES see subdivision under Magnitogorsk

SINTERING—GRAPHIC METHODS

Graphic methods of calculating the sinter charge. L. S. Segal'. Obog. rud. 7 no. 4:32-36 '62.

SIPHONS

Steady-state flow of air and water in a siphon. G. I. A. Gigerberia. Trudy Inst. energ. AN Gruz. SSR 16:183-192 '62.

SIRAB—MINERAL WATERS

Effect of Sirab mineral water on the secretory function of the stomach. M. S. Kasimov. Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 3:71-76 '59.

Use of Sirab mineral water in pyelitis and pyelocystitis. B. U. Sultanov. Sbor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 3:139-142 '59.

SIROTININA, VIOLANTA

Young singers. Natalia Shpil'er. Sov. muz. 27 no. 4: 90-91 Ap '63.

SIVASH VALLEY—PALEONTOLOGY, STRATIGRAPHIC

Paleontologic find in the Sivash Valley of the Crimea. P. D. Podgorodetskii. Biol. Kom. chety. per. no. 27: 142-143 '62.

SIZING (TEXTILE)

Urgent problems in sizing and trends in its development. H. Tschunke. Tekst. prom. 23 no. 4:51-57 Ap '63.

Use of polyamides in sizing. P. A. Bellaev. Tekst. prom. no. 2:58 F '63.

SKARNS see subdivision under Kustanay region

SKATING

Developing the ability in young skaters to control speed. G. K. Podar'. Teor. i prak. fiz. kul't. 26 no. 3:24-26 Mr '63.

Figures on ice. Renate Urban. Zhen. mira no. 1:32-33 '63.

SKIN—DISEASES

Antitoxic function of the liver in vitiligo patients treated with psoralen and meladolin. M. A. Gullamova. Med. zhur. Uzb. no. 8:38-39 Ag '62.

Case of dermatomyositis with successful treatment. V. I. Semenova, L. I. Bogacheva. Trudy MONKI no. 5:233-238 '62.

Erythroderma as a result of using butadiene. G. Kh. Kogon. Vrach. delo no. 3:152 Mr '63.

International symposium on climatotherapy for dermatosis patients in Sofia (Bulgaria). V. I. Sukharev, N. M. Turanov. Vop. kur., i fizioter. i lech. fiz. kul't. 29 no. 1:85-88 '63.

SKIN—SYPHILIS

Histomorphology of skin syphilids in the treatment of syphilis patients by means of bicillin 3. A. Abdusamatov. Med. zhur. Uzb. no. 8:49-52 Ag '62.

SKIN EFFECT

Surface effects in infrared optics. R. N. Gurzhi, M. I. A. Azbel', Khao Bai Lin' [Hao Bai Lin]. Fiz. tver. tela 5 no. 3:769-768 Mr '63.

SKIN GRAFTING

Dermatoplasty in cicatricial contractures following burns [with summary in English in insert]. B. V. Parin. Ortop., travm. i protez. 23 no. 11:3-13 N '62.

Dermatoplasty in traumatic osteomyelitis of the leg and foot [with summary in English in insert]. A. K. Tyshchukina. Ortop., travm. i protez. 23 no. 11:56-59 N '62.

Dermatoplasty of burns in children [with summary in English in insert]. N. D. Kazantseva. Ortop., travm. i protez. 23 no. 11:35-40 N '62.

Histological and functional characteristics of skin grafts which have taken on wounds and ulcers resulting from burns in animals. I. A. I. Shneberg. Trudy Kras. SKHI 3 no. 1:116-128 '59.

Homo- and autoplasty in burns of irradiated animals. A. Kh. Khadarov and others. Med. zhur. Uzb. no. 8: 56-57 Ag '62.

Rollers for preparing slaps, the full thickness of the skin. N. A. Shimbirev. Stomatologin 41 no. 5:56-58 S-O '62.

Skin auto- and homoplasty according to Mowlem-Jackson as a method of surgical treatment in extensive deep burns [with summary in English in insert]. V. M. Burmistrov. Ortop., travm. i protez. 23 no. 11:51-55 N '62.

Skin grafting in thermal burns. M. V. Kniazevskii. Klin. khir. no. 5:16-20 My '62.

Some problems of skin transplantation in extensive granulating wounds [with summary in English in insert]. V. N. Gullaeov. Ortop., travm. i protez. 23 no. 11:17-20 N '62.

Surgical treatment of thermal burns. V. D. Bratus'. Klin. khir. no. 5:3-11 My '62.

Treatment of third degree burns in early free dermatoplasty using the dermatome [with summary in English in insert]. M. Kolokol'tseva, L. N. Sokolov. Ortop., travm. i protez. 23 no. 11:13-16 N '62.

SKIS AND SKING

Developing tactical thinking in racing skiers. V. F. Kozhokin. Teor. i prak. fiz. kul't. 26 no. 4:72-75 Ap '63.

Don't concede the ski run! G. Elenski. Smena 39 no. 23:18-19 D '62.

Dynamics of the development of strength in racing skiers in the process of yearlong training. I. F. Mokropulo, P. N. Iabrov. Teor. i prak. fiz. kul't. 26 no. 3:28-32 Mr '63.

Training junior skiers. V. G. Menchikov. Teor. i prak. fiz. kul't. 26 no. 3:74-78 Mr '63.

Training racing skiers. V. A. Kharitonov. Teor. i prak. fiz. kul't. 26 no. 3:55-57 Mr '63.

SKOBELEV, MIKHAIL DMITRIEVICH, 1843-1882

Meslaev, G. V. [Fields of an unknown land] Polna nevedomoi zemli. [n.p.] 1962, 227 p.

SKOBEL'TSYN, DMITRII VLADIMIROVICH, 1892-

Outstanding scientist and public figure. O. Razumovskii. Kul't. i zhizn' 6 no. 11:38-40 '62.

SKOPINA, LIUDMILA

Man and word. L. Skopina in the play "Diary of a woman." A. Iakubovskii. Teatr 24 no. 3:107 Mr '63.

SKOROPADS'KYI PAVLO, 1873-1945

Levchuk, D. [Hetman Pavlo Skoropads'kyi in the light of historical facts] Hetman Pavlo Skoropads'kyi u svitli istorichnykh faktiv. Toronto, "Nasha Derzhava", 1952, 15 p. (Civ)

SKOVORODA, GRIGORII SAVVICH, 1722-1794—HOMES AND HAUNTS

In the homeland of Grigori Skovoroda. H. Stukalova. Ukraina no. 5:4 Mr '63.

SKULL—RADIOGRAPHY

Ginzburg, V. G. [Fundamentals of a roentgenological examination of the skull] Osnovy rentgenologicheskogo issledovaniia cherepa; rukovodstvo dlia vrachei. Moskva, Medgiz, 1962, 178 p. (DNLN)

SKULL—WOUNDS AND INJURIES

Effect of some ganglioblocking substances on the state of rabbits after a closed cranio-cerebral trauma. I. A. Rustamov. Zdrav. Turk. 7 no. 2:14-17 F '63.

Expediency of buried sutures in the secondary treatment of skull and brain wounds (experimental and clinical observations). L. I. Nikoshin. Kaz. med. zhur. no. 5: 24-27 S-O '62.

SKULME, OTO, 1889-

Skulme, Oto. [Reproductions. Reproduktsia] Riga, Latvijas Valsts izdevnieciba, 1962. [4] p. plates. [Text in Latvian and Russian]

SKYHOOKS see Mine roof bolting

SLAG

Detachability of the slag crust in copper welding under a silicate flux. I. U. M. Korenuk. Avtom. svar. 16 no. 3:40-44 Mr '63.

Metallurgical slags for road construction. F. S. Klimashov. Avt. dor. 26 no. 2:21-23 F '63.

Theoretical principles of the synthesis of slags from slags. I. I. Kitaigorodskii. Zhur. VKHO 8 no. 2:192-197 '63.

Use of slag crusts of AN-20 and AN-348A fluxes. A. V. Bystryy, A. P. Shalimov, A. K. Krasulina. Avtom. svar. 16 no. 3:93 Mr '63.

SLAG—TESTING

Rapid determination of the activity of slag. A. I. Stepanova, S. M. Smekhova. Tsement 28 no. 2:20-21 Mr-Apr '63.

SLATE

(see also subdivision under Kohtla-Järve)

Iaremenko, D. S. [Handbook on accident prevention for the operator of a mechanical corrugating apparatus in the production of slate] Pamiatka po tekhnike bezopasnosti dlia operatora mekhanicheskogo volnrovashchika pri proizvodstve shifera. Moskva, Gosstroizdat, 1963, 17 p. (Tekhnika bezopasnosti v promyshlennosti stroitel'nykh materialov)

SLAUGHTERING AND SLAUGHTERHOUSES

Chilling hog carcasses before skinning. I. Ovsil, V. Nesteruk. Mias. ind. SSSR 34 no. 1:52 '63.

SLAUGHTERING AND SLAUGHTERHOUSES—STATISTICS

Determining the quantitative ratio of the slaughtered beef cattle dependent on the live weight. V. Anufriev, R. Esentaeva. Mias. ind. SSSR 33 [i.e. 34] no. 2:21-24 '63.

SLAVERY see subdivision under Egypt

- SLAVIC ANTIQUITIES**
Burials facing east in 11th to 13th century Slavic mounds. G. F. Solov'eva, Sov. arkheol. 7 no. 2; 95-108 '63.
- SLAVIC FOLKLORE** see Folklore, Slavic
- SLAVIC LANGUAGES—WRITING**
Sources of the Glagolitic alphabet. M. I. Privalova. Uch. zap. LGU no. 267:17-33 '60.
- SLAVIC LITERATURE—DICTIONARIES**
"Dictionary of the Russian, Ukrainian, and White Russian written documents and literatures up to the 18th century" by I. U. Budovits. Reviewed by I. Eremin. Vop. lit. 7 no. 2:228-229 F '63.
- SLAVS IN GERMANY**
Helmoldus, Presbyter bosoviensis, II, 1160. [The chronicle of the Slavs. Translated from the Latin] Slavianskaia khronika. Moskva, Izd-vo Akad. nauk SSSR, 1963. 298 p. (Pamiatniki srednevekovoi istorii narodov Tsentral'noi i Vostochnoi Evropy)
- SLAVYANSK—MACHINERY INDUSTRY—STANDARDS**
Standardization office at the "Koksozhimash" Plant. A. G. L'vov. Standartizatsia 27 no. 3:48-50 Mr '63.
- SLEEP**
Characteristics of the night sleep in patients with diseases of the digestive system during treatment at Yessentuki health resort. G. M. Krashenitsa, Vop. kur., fizioter., i lech. fiz. kul't. 28 no. 1:53-60 '63.
- SLEEP—PHYSIOLOGICAL EFFECT**
Effect of the lack of sleep on some phases of higher nervous activity in man [with summary in English]. N. A. Rokotova and others. Probl. kosm. biol. 2:273-286 '62.
- SLEPTSOV, VASILII ALEKSEEVICH, 1836-1878**
[Literary legacy] Literaturnoe nasledstvo. Red. I. I. Anisimov i dr. Moskva, Izd-vo Akad. nauk SSSR. Vol. 71. (Vasilii Sleptsov. Unknown pages) Vasilii Sleptsov. Neizvestnye stranitsy. 1963. 544 p.
- SLONIM—HISTORY**
Meleshko, V. I. [Slonim; an historical sketch] Slonim; istoricheski ocherk. Minsk, Gosizdat BSSR, 1962. 77 p. (MH)
- SLOVAKIA—MAGDEBURG LAW**
History of the legal rules of Slovak cities in the 13th and 14th centuries. G. P. Beliaeva. Izv. vys. ucheb. zav.; prav. 6 no. 2:130-133 '62.
- SLOVAKS** see subdivision under Kirghizistan
- SLUCH VALLEY—WATER, UNDERGROUND**
Balance of ground water in the basin of the middle reaches of the Sluch River. M. F. Kazlov, I. A. M. Shynakala, Vestn AN BSSR, Ser. fiz.-tekhn. nav. no. 1: 87-97 '63.
- SLUICE GATES**
Hydraulic studies of open control sluice gates of irrigation systems. P. K. Tsvetkov, G. T. Mileko. Visti Inst. hidrol. i hidr. AN URSSR 21:67-78 '62.
- SMALLPOX**
Comparative data on the determination of the concentration of the smallpox vaccine virus by titration in chicken embryos and tissue cultures. B. G. Archakov and others. Vop. virus. 7 no. 6:731-734 N-D '62.
Study of blinmycin action in experimental smallpox infection. S. S. Merennikova, E. M. Akotova. Vop. virus. 7 no. 6:743 N-D '62.
- SMALLPOX—PREVENTIVE INOCULATION**
Study of cross immunity to variola and variola viruses in monkeys [with summary in English]. V. D. Solov'ev and others. Vop. virus. 7 no. 6:701-705 N-D '62.
- SMELTING—HYGIENIC ASPECTS**
Improvement of work processes in modern steel smelting establishments. O. F. Maksimova, A. P. Okhrimenko, O. K. Kubiak. Vrach. delo no. 3:110-112 Mr '63.
- SMELTS** see subdivision under Amur River
- SMIRNOV, OLEG**
"My home in the East"; stories by O. Smirnov. Reviewed by M. Lapshin. Znaniia 33 no. 2:221 F '63.
- SMIRNOV, VASILII DMITRIEVICH, 1902-1962**
Vasilii Dmitrievich Smirnov; obituary. Torf. prom. 40 no. 2:35 '63.
- SMIRNOV-SOKOL'SKII, NIKOLAI PAVLOVICH, 1898-**
Conversations of Smirnov-Sokol'skii. D. Zolotarevskii. Teatr 24 no. 3:73-80 Mr '63.
- SMIRNOVA, OL'GA ALEKSEEVNA, 1892-1958**
In memory of Ol'ga Alekseevna Smirnova (1892-1958). N. M. Savich, O. E. Neustrueva, V. L. Nekrasova. Bot. zhur. 48 no. 3:467 Mr '63.
- SMOKING**
Smoking and lung cancer. I. I. Rampan, A. B. Syrkina. Med. sestra 21 no. 12:23-27 D '62.
- SMOLENSK PRINCIPALITY—PALEOGEOGRAPHY**
Several problems in the geography of the Smolensk Principality in the 12th century. V. V. Sedov. Krat. soob. Inst. arkheol. no. 90:12-23 '62.
- SMOLENSK PRINCIPALITY—TAXATION**
Discussion of V. V. Sedov's report. A. K. Ambroz. Krat. soob. Inst. arkheol. no. 90:23-24 '62.
Several problems in the geography of the Smolensk Principality in the 12th century. V. V. Sedov. Krat. soob. Inst. arkheol. no. 90:12-23 '62.
- SMOLENSK PROVINCE—CHILDREN—DISEASES**
Dental caries incidence in children in a number of cities in Smolensk Province. Stomatologiya 41 no. 5:20-23 S-O '62.
- SMOLENSK PROVINCE—SOILS—IODINE CONTENT**
Iodine distribution in soils as related to their type and microrelief. A. N. Tsurukhanov, G. M. Shamaeva. Nauch. dokl. vys. shkoly; biol. nauki no. 2:171-174 '63.
- SMOLENSK PROVINCE—TEETH—DISEASES**
Dental caries incidence in children in a number of cities in Smolensk Province. Stomatologiya 41 no. 5:20-23 S-O '62.
- SMOTRYTS'KYI, MELETII Ep., 1578-1633**
Kurvas, Bohdan. [Conversion of Archbishop Meletii Smotryts'kyi from the historical and psychological viewpoint] Z'lydeniia arkhiepiskopa Meletia Smotryts'koho v istorichnuu i psykholohichnuu nasvitiennu. L'unton de l'archeveque M. Smotrytskyi dans la lumiere de l'histoire et de la psychologie. Brussels, Centre Ukrainien d'etudes en Belgique, 1962. 139 p. (MH)
- SMUTS**
(see also subdivision under Tatar A, S, S, R.)
Morphological variations of the mycelium of Ustilago tritici Pers., causative agent of wheat smut. N. K. Klapotova. Bot. zhur. 48 no. 2:262-263 F '63.
- SNIPES** see subdivision under Krasnoyarsk Territory; Maritime Territory
- SNOW**
(see also subdivision under Antarctic regions; Crimean Mountains; Kursk Province; Lazarev Shelf Ice; Lazarev Station, Antarctica; McMurdo region, Antarctica)
Herculean water. L. Sen'ko. Znaniia ta pratsia no. 2: 17 F '63.
Strip packing of snow diminishes soil erosion. S. U. Kerimkhanov. Zemledolie 25 no. 1:44-46 Ja '63.
Tushinskii, G. K. [Glaciers, snow, and avalanches in the Soviet Union] Ledniki, snezhniki, laviny Sovetskogo Soyuza. Moskva, Geografiz, 1963. 310 p.
What can be made out of snow. M. I. Kulzhinskii. Nach. shkola 31 no. 2:81-85 F '63.
- SNOW REMOVAL**
Clash of opinions. A. Kungurtsev. Avt. dor. 26 no. 4: 31 Ap '63.
- SOAKING PITS** see Furnaces, Heating
- SOAP INDUSTRY—BY-PRODUCTS**
Utilization of soap alkali wastes in the national economy. A. E. Deriabina, L. G. Elkina. Mash. -zhir. prom. 20 no. 3:37-38 Mr '63.
- SOARING FLIGHT** see Gliding and soaring
- SOBOLEV, LEONID SERGEEVICH, 1898-**
"Leonid Sobolev" by V. Sarganov. Reviewed by M. Blin-kova. Vop. lit. 7 no. 2:226-228 F '63.
- SOCCER**
The ball is already in the field. V. Granatkin. Ukraina no. 5:5 Mr '63.
Meditations after the Chile battles. V. Frolov. Smena 39 no. 17:22-24 S '62.
Motorcycle football. Za rul. 21 no. 3:5 Mr '63.
Soccer heroes. V. Frolov. Smena 39 no. 16:31 Ag '62.
Soccer mosaic. Smena 40 no. 9:20-21 My '63.
The spring of soccer players. O. Luk'ianenko. Ukraina no. 7:30-31 Ap '63.
When the ball is in the center.... IU. Van'iat. Ogonek 41 no. 14:26-27 Mr '63.
- SOCHI—SANATORIUMS**
All for one and one for all. T. G. Ryzhkov. Sots. obesp. 24 no. 4:5-8 Ap '63.
Regulation of the Presidium of the Central Committee of the Trade Union of Government Workers and the Board of the Ministry of Social Insurance of the R. S. F. S. R. Sots. obesp. 24 no. 4:4 Ap '63.
We shake your hand, nurse. V. Galeev, M. Galeeva. Okhr. truda i sots. strakh. 6 no. 3:12-13 Mr '63.
Wonderful people work here. I. Grigor'ev. Sots. obesp. 24 no. 4:8-9 Ap '63.
- SOCHI—TELEVISION BROADCASTING**
What is at hand.... V. Volkov. Sov. radio i tel. 11 no. 11:24 N '62.
- SOCIAL CLASSES**
Concept of the "social class" and the historical role of the laboring classes. Maurice Thorez. Kommunist 40 no. 6:48-61 Ap '63.
Social structure of the Russian intelligentsia in the late 19th and early 20th century. L. K. Erman. Ist. SSSR 7 no. 1:161-177 Ja-F '63.
- SOCIAL GROUP WORK** see subdivision under Kalach-on-Don region; Ukraine
- SOCIAL INSURANCE** see Insurance, Social
- SOCIAL MEDICINE**
Problems of social medicine in the works of V. I. A. Kuz'min (1873-1918). G. A. Belikhtis. Sov. zdrav. 22 no. 4: 72-75 '63.
- SOCIAL PROBLEMS**
(see also subdivision under Leningrad)
Crimes and lessons. N. Monchadskaya, E. Rozanova. Mol. komm. no. 11:108-110 N '62.
We are responsible for all of them. IU. Boldyrev, O. Shishov, K. Mikhailov. Mol. komm. no. 11:73-79 N '62.
- SOCIAL PSYCHOLOGY**
Materialistic social psychology [translated from the French]. J. F. Le Ny. Vop. psikh. 9 no. 1:145-150 Ja-F '63.
On the subject of social psychology. E. S. Kuz'min. Vop. psikh. 9 no. 1:142-145 Ja-F '63.
- SOCIAL REVOLUTIONARY PARTY**
A few words about the agreement between the Bolsheviks and the leftwing Social Revolutionaries, October, 1917-February, 1918. R. M. D'ukhina. Ist. zap. 73:3-34 '63.
- SOCIAL SCIENCE RESEARCH**
(see also subdivision under White Russia)
Scholarly research in the departments of dialectical and historical materialism of the schools of higher party education. Uch. zap. knf. dial. i ist. nat. no. 3:115-142 '63.
Vsesoiuznoe soveshchanie zavodushchikh kafedrami obshchestvennykh nauk vysshikh uchebnykh zavedenii. Moscow, 1962. [The 22d Congress of the CPSU and the objectives of the departments of social sciences; materials of the All-Union Conference of the Chairmen of Social Science Departments in Institutions of Higher Education] XXII s'ezd KPSS i zadachi kafedr obshchestvennykh nauk; materialy. Moskva, Gospolitizdat, 1962. 626 p.
- SOCIAL SCIENCES**
Moscow, Institut narodnogo khoziaistva, [Collection of student scientific papers] Sbornik studenteskikh nauchnykh rabot. Moskva, 1962. 118 p.
"Social science." Reviewed by A. Sidarenko. Belarus' 20 no. 4:29 Ap '63.
- SOCIAL SCIENCES—BIBLIOGRAPHY** see Bibliography—Social sciences
- SOCIAL SCIENCES—EXAMINATIONS**
Examination questions on cards for the 1962-1963 secondary school course in the history of the U. S. S. R. and social science. Prep. ist. v shkole 18 no. 2:55-63 Mr-Ap '63.
- SOCIAL SCIENCES—STUDY AND TEACHING**
Connection between a chemistry course and a social science course. Khim. v shkole 18 no. 1:3-7 Ja-F '63.
Materialistic understanding of history in a social science textbook. IU. A. Krasin. Prep. ist. v shkole 18 no. 2: 55-64 Mr-Ap '63.
Recommended plans for social science classwork (continuation). I. M. Skrypin. Ukr. ist. zhur. 6 no. 2: 130-135 Mr-Ap '63.
Social science. Shkola-int. no. 1:4-7 Ja-F '63.
Social sciences in secondary schools. T. Shukuro. Komm. Bol. 37 no. 3:18-21 Mr '63.
Special aspects of teaching the "social science" course in evening (staggered) schools. A. V. Druzhkova, G. V. Artem'eva. Prep. ist. v shkole 18 no. 2:49-55 Mr-Ap '63.
Vsesoiuznoe soveshchanie zavodushchikh kafedrami obshchestvennykh nauk vysshikh uchebnykh zavedenii. Moscow, 1962. [The 22d Congress of the CPSU and the objectives of the departments of social sciences; materials of the All-Union Conference of the Chairmen of Social Science Departments in Institutions of Higher Education] XXII s'ezd KPSS i zadachi kafedr obshchestvennykh nauk; materialy. Moskva, Gospolitizdat, 1962. 626 p.
- SOCIALIST COMPETITION**
(see also subdivision under Kazakhstan; Kharkov; Moscow; Uzbekistan)
A collective strives to win the title of enterprise of communist labor. I. Akunin, N. Belogolova. Mias. ind. SSSR 34 no. 1:4-6 '63.
Expand and intensify. E. Luk'ianova, I. Novikova. Agitator no. 9:20-22 My '63.

SOCIALIST COMPETITION (Continued)

Experience in the expansion of the communist labor movement. N.G. Pozdnukhov. *Shvein, prom.*, no. 1; 4-5 Ja-F '63.
For the triumph of communist labor! *Okhr, truda i sots. strakh.*, no. 4:1-2 Ap '63.
It can't be otherwise. M. Egorova. *Shkola-Int.*, no. 1; 68-70 Ja-F '63.
Man lives among people. L. Pavlova. *Sov. profsoyuzy* 19 no. 7:6-7 Ap '63.
The movement for the communist attitude toward labor is expanding. S. Grachev. *Fin. SSSR* 37 no. 3:63-67 Mr '63.
Mutual inspection. A. Lavrenov. *Koop. Kazakh.* 5 no. 11:33-34 N '62.
New stage in the communist labor competition. L. A. Kerpov. *Zhel. dor. transp.* 45 no. 4:9-14 Ap '63.
On the Board of Directors of the State Bank and the Presidium of the Central Committee of the Trade Union of Government Workers. *Don. i krad.* 21 no. 4:99 Ap '63.
Our experience in socialist competition. M. Vinogradova. *Shkola-Int.*, no. 1:71-74 Ja-F '63.
Raise higher the banner of communist labor competition. E. T. Cherednichenko. *Zhel. dor. transp.* 45 no. 4:3-8 Ap '63.
With the initiators of a great undertaking. A. Kozlovskaya. *Okhr, truda i sots. strakh.*, no. 4:3 Ap '63.
You are the toiler and highly principled champion! G. Nezhevenko. *Sov. profsoyuzy* 10 no. 7:1-3 Ap '63.

SOCIALIST PARTY see subdivision under Finland

SOCIALIST PROPERTY

Communal division of labor and state property during the period of the transition to communism. V. P. Kornenko. *Uch. zap. kaf. obshchestv. nauk vuz. g. Len.*; *Pollt. ekon.* no. 5:140-107 '62.
Ways of developing socialist property into a uniform communist property. N. D. Kolesov. *Uch. zap. kaf. obshchestv. nauk vuz. g. Len.*; *Pollt. ekon.* no. 5:73-69 '62.

SOCIALIST REALISM

Socialist realism in our weapon. *Sov. foto* 23 no. 3:1-2 Mr '63.

SOCIOLOGY, RURAL see subdivision under France

SODA INDUSTRY—EQUIPMENT AND SUPPLIES

Using vinyl plastics in the soda industry. V. I. Shishko. *G. F. Svinin. Khim. mashinost.* no. 2:39 Mr-Apr '63.

SODIUM BOROHYDRIDE

Solubility of sodium borohydride in pyridine. V. I. Mikhneva. L. V. Titov. *Dokl. AN SSSR* 140 no. 3:600-610 Mr '63.

SODIUM CHLORIDE see Salt

SODIUM CHROMATES

Preparation of chromium oxide by reducing alkaline chromate with sulfur dioxide. I. A. E. V. Ilnitskii, L. A. Borovskikh, M. S. Kovel'. *Zhur. VKIO* 8 no. 1:110-117 '63.

SODIUM HYPOCHLORITE

Effect of the solutions of the oxidizing agent (sodium hypochlorite) on cellulose fibers. F. I. Korchemkin. *Sov. trud. TSNILKHI* no. 14:116-110 '61.

SODIUM SALTS

Soda formation in atmospheric precipitation and in soda lakes. S. A. Darov. *Ukr. khim. zhur.* 29 no. 3:343-347 '63.

SODIUM SILICATES

Sodium metasilicate hydroperoxide hydrates. I. I. Vol'nov. A. N. Shatunina. *Izv. AN SSSR. Otd. khim. nauk* no. 2:201-205 F '63.

SODIUM SULFATES

Isotherm of the system consisting of manganese and sodium sulfates at 25°C. I. G. Druzhinin, V. N. Gorkhova. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 8: 81-84 '62.

Obtaining sodium sulfates from sulfate waters. P. L. Shkurenko. *Maal. -zhir. prom.* 29 no. 2:32-34 F '63.
Solubility polytherm of the system aluminum sulfate - sodium sulfate - water at the temperature range from 10 to 65°C. I. G. Druzhinin, V. D. Gorbunov. *Izv. AN Kir. SSR. Ser. est. i tekhn. nauk* 4 no. 0:111-121 '62.

SOFIA—RAILROADS—STATIONS

Competition for the plan of a new station in Sofia. *Stroitel'sk. i zhizn'* 6 no. 11:44 '62.

SOFIA—WAR MEMORIALS

Physicians memorial in Sofia. S. Izrael'. *T'S. Genov. Kul't. i zhizn'* 6 no. 11:44 '62.

SOIL, PODZOLIC see Podzol

SOIL BINDING

(see also subdivision under Ural Mountain region)

Choosing a method of protecting the earth roadbed from erosion. V. I. Gritayk. I. A. P. Ishchenko. *Transp. stroit.* 13 no. 3:8-10 Mr '63.

"Covering with vegetation along dumping fields (ash heaps) of the thermoelectric power stations of the Urals" by V. V. Tarchevskii and others. Reviewed by F. I. A. Levina. *Hot. zhur.* 48 no. 3:460-461 Mr '63.

SOIL CONSERVATION see subdivision under Ukraine

SOIL FAUNA

Use of hexachlorocyclohexane with fertilizers in corn protection. I. G. Firsov. *Zashch. rast. ot vred. i bol.* 6 no. 6:32 Je '61.

SOIL FERTILITY see subdivision under Volga-Akhtuba Flood Plain

SOIL INOCULATION

Role of bacterial fertilizers in increasing a potato crop. N. I. Men'shikova, V. I. Savochkina. *Biol. v shkole* no. 2:62-64 Mr-Apr '63.

SOIL INOCULATION—CONGRESSES

Working conference on bacterial fertilizers. E. F. Horezova. *Zemledelie* 25 no. 1:94-95 Ja '63.

SOIL MECHANICS

Building structures on weak saturated clays. M. I. U. Abelev. *Transp. stroit.* 13 no. 4:70-71 Ap '63.

"Climatology and geophysics in construction; basic planning principles." *Biol. stroit. tekhn.* 20 no. 4:12-13 Ap '63.

Determining the boundary of the active zone under a structure using gamma rays. I. U. V. Dzhin, I. I. Borisov. *Izv. vya. ucheb. zav. stroit. i arkh.* 6 no. 3:154-157 '63.

Methods for calculating the pressure on the soil. B. N. Smirnov. *Trudy TSNIME.* no. 36:25-31 '62.

New developments in making calculations for foundations and footings of bridges and pipes. A. A. Luga. *Transp. stroit.* 13 no. 3:47-49 Mr '63.

Possibilities of using models to study the stability of slopes using an equivalent materials method. I. A. Hleushev. *Visti Inst. hidro. i hidr. AN URSR* 21:119-121 '62.

Russia (1923- U.S.S.R.) Gosudarstvennyi komitet po dolam stroitel'stva. [Construction specifications and regulations] *Stroitel'nye normy i pravila.* Moskva, Gosstroizdat.

Pl. 2. Sec. B. ch. 3. [Foundations of hydraulic structures; standards for design (SNIP II-B, 3-62)] *Osnovaniia gidrotekhnicheskikh sooruzhenii; normy proektirovaniia (SNIP II-B, 3-62)* 23 p.

Setting-up a Vasil'ev pipette for a complete analysis of the mechanical properties of soils (outfit of the Black Sea Experimental Research Station). N. G. Prokoptsev, O. I. Stel'makh. *Okeanologiya* 3 no. 2:313-315 '63.

Some simplifications in the description of movements of soft soils. S. S. Grigor'ian. *Prikl. mat. i mekh.* 27 no. 2:207-204 Mr-Apr '63.

Stability of banks composed of loesslike soils which settle only slightly. O. I. A. Garkavi. *Visti Inst. hidro. i hidr. AN URSR* 21:122-127 '62.

Torsion and bending of buildings during undermining. R. A. Muller. *[Trudy] VNIMI* no. 45:143-154 '62.

SOIL MICROORGANISMS

(see also subdivision under Azerbaijan; Voronezh Province)

Invisible friends of crops. I. U. Kudzin. *Nauka i zhizn'* 12 no. 2:42 F '63.

A symposium on the soil producing mites *Oribatoidea* held at Moscow. M. S. Giliarov. *Vest. AN SSSR* 33 no. 4:114 Ap '63.

SOIL MOISTURE see subdivision under Irtysh Valley

SOIL PERCOLATION

(see also subdivision under Polesye)

Determination of the water permeability of soils. V. A. Baron. *Izv. AN Uz. SSR. Ser. tekhn. nauk* 7 no. 2:48-54 '63.

Luk'ianov, V. B. ed. [V. S. Luk'ianov's method of hydraulic analogies and N. N. Pavlovskii's method of electrohydrodynamic analogies; applied to seepage computations] *Metod gidravlicheskikh analogii V. S. Luk'ianova i metod elektrogidrodinamicheskikh analogii N. N. Pavlovskogo; primeneniia' no k fil'tratsionnym raschetam.* [By] M. A. Voviorovskaya, I. P. Kravchenko, S. A. Rumiantsev. [Moskva] Izd-vo Mosk. univ., 1962, 240 p.

VI. [Nomograms for computing the development of ground water head and of seepage from channels under conditions of unsteady movement] *Nomogrammy dlia raschetov razvitiia podpora gruntovykh vod i fil'tratsii iz kanalov v usloviakh naustanovivshegosia dvizheniia.* 55 p.

Some boundary value problems for equations describing the percolation of liquids in fissured rocks. G. I. Barenblatt. *Prikl. mat. i mekh.* 27 no. 2:348-350 Mr-Apr '63.

SOIL PRESERVATION

Strip packing of snow diminishes soil erosion. S. U. Korinkhanov. *Zemledelie* 25 no. 1:44-46 Ja '63.

SOIL RESEARCH see subdivision under Siberia; Soviet Far East

SOIL RESEARCH—CONGRESSES

Second Congress of Soil Science Delegates of the U.S.S.R. M. N. Malyshekin. *Zemledelie* 25 no. 1:89-92 Ja '63.

SOIL SCIENCE—CONGRESSES see subdivision under Siberia

SOIL STABILIZATION

Effect of the drop height of a tamping plate on the process of soil stabilization. L. M. Bobylev. *Transp. stroit.* 13 no. 4:48-50 Ap '63.

Efficiency of the measures applied for heaving control. L. T. Abramov, N. D. Kocherova, A. I. Sheviakov. *Vest. TSNU MPS* 22 no. 1:62-63 '63.

Stabilization of sliding slopes by means of tree planting. S. E. Kuznetsov. *Put' i put. khoz.* 7 no. 3:6 '63.

Using resins for stabilizing rocks. V. V. Davydov. *Biol. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* no. 3:19-20 '63.

SOIL TEMPERATURE

Temperature field of the soil around a petroleum pipeline. L. P. Semenov. *Sbor. nauch. rab. AKKH* no. 12:147-162 '62.

SOILS

(see also subdivision under Krasnoyarsk Territory; Nile Valley; Rostov Province)

"Soil as a source of life" by A. Gaveman. Reviewed by A. Rosliakova. *Geog. v shkole* 25 no. 2:81 Mr-Apr '63.

Zharikov, I. U. [Soil protection according to Soviet law] *Okhrana pochv po sovetskomu zakonodatel'stvu.* Moskva, Vsesos. ob-vo okhrany prirody, 1962, 52 p. [MICROFILM]

SOILS—ABSTRACTS

[Soil science] *Ref. zhur.: Pochv. nos. 7, 9-10 Ap-My '63.*

SOILS—ANALYSIS

Agriculturists ask for "weapons." I. Serikakov. *Smena* 39 no. 16:22 Ag '62.

SOILS—CLASSIFICATION see subdivision under Daghestan; Moscow Province; Tashkent Province

SOILS—FERTILIZERS AND MANURES see subdivision under Uzbekistan

SOILS—IODINE CONTENT see subdivision under Smolensk Province

SOILS—IRON CONTENT

Seasonal dynamics of the oxidation-reduction potential and iron soluble in acids (Fe^{2+} and Fe^{3+}) in turf-Podzolic soils. N. G. Zyrin, N. M. Grindei'. *Nauch. dokl. vys. shkoly; Biol. nauki* no. 2:175-181 '63.

SOILS—PHOSPHORUS CONTENT

Determining phosphoric acid in soil by the polarographic method with the use of a complexon. E. M. Skobeis, P. I. Smolentsov, G. V. Ruchko. *Nauch. dokl. vys. shkoly; Biol. nauki* no. 2:182-183 '63.

SKOLOV-SKALIA, PAVEL PETROVICH, 1899-

Iastrebov, I. I. Pavel Petrovich Skolov-Skalia. Moskva, Sovetskii khudozh., 1959, 86 p. illus., col. plates. (NN)

SOLAR ECLIPSES see Eclipses, Solar

SOLAR ENERGY

Determination of optimum volumes and conditions of heat accumulation in complex solar heat pump systems. R. K. Khuntsariai, O. A. Turkestanishvili. *Trudy Inst. energ. AN Gruz. SSR* 16:75-88 '62.

Determination of the heat generating capacity of a tubular water heater in complex solar heat pump-heating systems. R. K. Khuntsariai. *Trudy Inst. energ. AN Gruz. SSR* 16:110-125 '62.

Evaluation of the quantity of scattered solar radiation falling on an inclined solar water heater during cloudless conditions and sun height at 65°. G. T. Melia. *Trudy Inst. energ. AN Gruz. SSR* 16:181-182 '62.

Preserved sunshine. O. Shchukin. *Nauka i zhizn'* 30 no. 1:37 Ja '63.

Use of light guides for concentrating solar energy. V. B. Veinberg, D. K. Sattarov. *Svetolednik* 9 no. 3:1-6 Mr '63.

SOLAR FLARES

Curves of the development of chromospheric flares [with summary in English]. T. S. Razmadze, A. S. Tskhovrebadze. *Biol. Abast. astrofiz. obser.* no. 29: 29-45 '62.

Photometry of chromospheric flares [with summary in English]. T. S. Razmadze. *Biol. Abast. astrofiz. obser.* no. 29:3-27 '62.

SOLAR HEATING

Determination of optimum volumes and conditions of heat accumulation in complex solar heat pump systems. R. K. Khuntsariai, O. A. Turkestanishvili. *Trudy Inst. energ. AN Gruz. SSR* 16:75-88 '62.

SOLAR HEATING (Continued)

Determination of the heat generating capacity of a tubular water heater in complex solar heat pump-heating systems. R. K. Khuntaria. Trudy Inst. energ. AN Gruz. SSR 16:119-125 '63.

Evaluation of the quantity of scattered solar radiation falling on an inclined solar water heater during cloudless conditions and sun height at 65°. G. T. Melia. Trudy Inst. energ. AN Gruz. SSR 16:181-182 '62.

SOLAR RADIATION

Direct observation of solar plasma streams at a distance about 1,900,000 km. from the earth on February 17, 1961, and simultaneous observations of the geomagnetic field. K. I. Gringauz and others. Isk. sput. Zem. no. 15:98-101 '63.

Intensity variations and spatial distribution of the A 4562A III emission in night sky radiation [with summary in English]. L. M. Pishkova, Blul. Abast. astrofiz. obser. no. 29:77-81 '62.

Investigation of solar X-ray radiation. Part 3: Electronic equipment. B. N. Vasil'ev and others. Isk. sput. Zem. no. 15:85-91 '63.

Variations in the ultraviolet solar radiation and the excitation of emissions in the spectrum of twilight luminescence. E. V. Kononovich, N. N. Shefov. Geomag. i aer. 3 no. 1:3-9 Ja-F '63.

SOLAR RADIATION—OBSERVATIONS

Increase of short duration in radiation intensity recorded August 20, 1960, during the flight of the second spaceship-satellite. L. V. Kurnosova, L. A. Bazorenko, M. I. Pradkin. Isk. sput. Zem. no. 15:66-70 '63.

Observations of a 1.44 m wavelength solar radio emission [with summary in English]. A. N. Alimbarashvili, Sh. S. Makandarashvili, E. I. Parsadanova, Blul. Abast. astrofiz. obser. no. 29:51-54 '62.

SOLAR SPECTRUM see Spectrum, Solar

SOLDER AND SOLDERING

Homemade solder. A. Shchuka. IUn. tekhn. 7 no. 2:71 F '63.

Interaction of the solder with the material being soldered. Report no. 1: Formation of brittle interlayers in soldered joints. N. F. Lashko, S. V. Lashko. Avtom. svar. 16 no. 4:34-40 Ap '63.

SOLID FILM—MEASUREMENT

X-ray diffraction study to determine the thickness of amorphous coatings on crystalline backings. K. P. Mamedov, K. M. Mekhtiev. Trudy Inst. fiz. AN Azerb. SSR 11:25-30 '63.

SOLID SOLUTIONS see Solutions, Solid

SOLIDIFICATION

Solidification of uncalcined gypsum cement. R. I. Aray. Dokl. AN SSSR 140 no. 4:893-895 F '63.

SOLIDS—ACOUSTIC PROPERTIES

Speed of sound in solids near the Curie point. E. I. Nesls. Prim. ul'trakust. k issl. veshch. no. 16:165-169 '62.

SOLIGORSK—CONSTRUCTION WORKERS

Warm heart of a girl. N. Mikhna. Rab. i slal. 30 no. 2:3 F '63.

SOLOMENNOYE—LUMBERING

Biography of our coeval. E. Alta. Mol. komm. no. 7: 12-13 Ji '62.

SOLO-TYUBE—COOPERATIVE SOCIETIES

First steps. R. Eshneev. Koop. Kazakh. 5 no. 11:30-40 N '62.

SOLUBILITY

Double compounds of urea and manganese chloride. I. G. Druzhinin, K. Rysmandeev. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 2:21-32 '62.

Moscow. Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii. [Manual on solubility] Spravochnik po rastvorimosti. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2, [Ternary multicomponent systems] Troinye, mnogokomponentnye sistemy. Book 2, 1963. 2066 p.

Salting in isotherms and their changes. S. V. Bleshinskii. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 2: 41-45 '62.

Sodium metasilicate hydroperoxide hydrates. I. I. Vol'nov, A. N. Shatunina. Izv. AN SSSR. Otd. khim. nauk no. 2:201-205 F '63.

Solubility and composition of solid phases in the system HF - UO₃ - H₂O. I. A. Buslaev, N. S. Nikolaev, I. V. Tananaev. Dokl. AN SSSR 148 no. 4:832-834 F '63.

Solubility and solid phases in the system LiCl - NaCl - MgCl₂ - H₂O at 25 and 75°. I. N. Lepeshkov, N. N. Romashova. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:33-40 '62.

Solubility isotherm of aluminum sulfate in water. V. D. Gorbunov, I. G. Druzhinin. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:93-99 '62.

Solubility of tricalcium silicate in calcium chloride solutions. E. P. Andreeva, E. E. Segalova. Dokl. AN SSSR 148 no. 3:588-591 Mr '63.

Solubility polytherm of the system aluminum sulfate - sodium sulfate - water at the temperature range from 10 to 95°C. I. G. Druzhinin, V. D. Gorbunov. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:111-121 '62.

SOLUBLE GLASS

Structure of water glasses. M. A. Matveev, A. I. Rabukhin. Zhur. VKHO 8 no. 2:205-211 '63.

SOLUBLE SALTS see Salts, Soluble

SOLUTION (CHEMISTRY)

Article by Vikt. Spitsyn, G. M. Nesmelanova, E. A. Kanovskii, "Certain problems of the thermodynamics and kinetics of solution of uranium oxides in an acid medium," discussed by O. A. Songina, Z. B. Rozhdestvenskaia, Zhur. neorg. khim. 8 no. 3:781-782 Mr '63.

Asymmetry of the critical opalescence of polymer solutions [with summary in English]. A. B. Davanko, I. Santo, P. M. Lillo. Vysokom. sood. 5 no. 3:445-448 Mr '63.

Free heat convection in aqueous salt solutions filling vertical circular tubes [with summary in English]. E. I. Slavnova, Inzh. fiz. zhur. 6 no. 3:106-109 Mr '63.

Gramm equivalents and the problems on the normal concentration of solutions. V. P. Bol'shukhin. Khim. v shkole 10 no. 2:36-41 Mr-Ap '63.

Incongruent solution of sparingly soluble compounds. N. I. Bashilova. Zhur. neorg. khim. 8 no. 3:742-745 Mr '63.

Reply to the letter by O. A. Songina, Z. B. Rozhdestvenskaia on the article by Vikt. Spitsyn, G. M. Nesmelanova, E. A. Kanovskii. Zhur. neorg. khim. 8 no. 3:782 Mr '63.

Specific gravity and viscosity curves of saturated solutions in ternary systems. K. E. Mironov. Zhur. neorg. khim. 8 no. 3:758-762 Mr '63.

SOLUTIONS, SOLID

Effect of the shift of equilibrium on melting diagrams of the systems with solid solutions. A. G. Borgman, A. S. Arabadzhian. Zhur. neorg. khim. 8 no. 3:723-728 Mr '63.

Nonlinear equations of the integral type and their application to the study of crystalline symmetry of interstitial solid solutions. A. G. Khachaturlan. Fiz. tver. tela 5 no. 3:750-756 Mr '63.

Spectral distribution of the absorption and photomagnetic effect in solid solutions of Cd₂Li₂-xTe. B. T. Kolomieta A. A. Mal'kova. Fiz. tver. tela 5 no. 4:1219-1220 Ap '63.

Thermal decomposition of solid solutions of salts. Part 1: Isothermal decomposition of binary solid solutions of iron, cobalt, and nickel oxalates. V. P. Kornilenko, M. N. Dubrovskaya. Ukr. khim. zhur. 29 no. 3:262-271 '63.

Thermal decomposition of solid solutions of salts. Part 2: Thermography of binary solid solutions of iron group metal oxalates. V. P. Kornilenko, M. N. Dubrovskaya, G. M. Shupovalova. Ukr. khim. zhur. 29 no. 3:271-278 '63.

SOLUTIONS, SUPERSATURATED—COOLING

Investigating strongly supersaturated Al-V, Al-Mo, and Al-W solid solutions prepared with high rates of cooling. N. I. Varich and others. Fiz. met. i metalloved. 15 no. 2:292-295 F '63.

SOLVENTS

Preparation of a solvent for use in polyethylene production. G. I. Kaz'min, L. A. Baiburskii, A. B. Odintsov. Khim. i tekhn. topl. i masel. 8 no. 3:19-23 Mr '63.

SOMINSKII, IL'IA SAMUILOVICH, 1901-1963

Il'ia Samuilovich Sominskii; obituary. I. IA. Dopinan. Mat. v shkole no. 2:65 Mr-Ap '63.

SORAN IN FISHING

Sea, fishes, and ultrasonics. M. Dedukhova. IUn. tekhn. 7 no. 4:31-32 Ap '63.

SONGS, RUSSIAN see subdivision under Bulgarian; Switzerland

SORDONGNOKII REGION—FRESHWATER FAUNA

In search of the "devil" of Lake Labynkyr. V. A. Koshelev, V. I. Frumson. Priroda 52 no. 3:83-89 '63.

Relicts or present-day fauna and flora? A. N. Tolstov, S. K. Klumov. Priroda 52 no. 3:89-90 '63.

SORGHUM

English. I. N., ed. [Sorghum] Sorgho. Moskva, Izd-vo M-va sel. khoz. SSSR, 1961. 175 p. (DNAL)

SOROKI—FORTIFICATIONS, OLD

The fortress in Soroki. V. A. Voitsekhovskii. Trudy OIKM za 1960/67-74.

SORPTION

Amylase sorption from solutions of fermentation preparations. M. S. Shul'man, A. S. Demina. Spirt. prom. 20 no. 3:13-15 '63.

Increase of the sorption activity of coals of the Noril'sk deposit caused by an ore-bearing intrusion. I. L. Ettinger, N. G. Matvienko, V. V. Shershukov. Dokl. AN SSSR 148 no. 4:926-928 F '63.

Kinetics of sorption of hydrogen by crushed coal at low temperatures. V. S. Veselovskii, E. A. Terpogosova, N. D. Alekseeva. Nauch. soob. IGD 11:182-180 '61.

Role of sorption in the zinc concentration in sedimentary rocks. E. V. Rozhkova, O. V. Shcherbak, V. M. Saakian. Min. syr'e no. 6:81-74 '62.

SORTING DEVICES

Automatic device for controlling and sorting panel parts and slabs. A. I. Isakov, A. P. Poznaev, G. K. Korzhuk. Der. prom. 12 no. 2:7-10 F '63.

Studying the process of sorting chips from lumbering waste. L. I. Kachelkin, N. P. Rushnov. Trudy TSNIIME no. 37:3-11 '62.

SOSIURA, VOLODYMYR, 1896-

Our beloved poet. Ukraina no. 7:3 Ap '63.

SOUND

Approximate computation of concentration coefficients of continuous compensated systems. M. D. Smaryachev. Akust. zhur. 9 no. 2:246-247 '63.

SOUND—APPARATUS

Calibration of infrasonic hydrophones using an electrodynamic compensation technique. A. N. Golenkov. Trudy Inst. Kom. stand., mer. i izm. prib. no. 61:47-57 '62.

Diffraction of light by nonhomogeneous ultrasonic beams and its use in measuring ultrasonic pressures. A. E. Reznikov. Trudy Inst. Kom. stand., mer. i izm. prib. no. 61:64-78 '62.

Short method for calibrating hydrophones in a pipe resonator using a reciprocity technique. A. N. Golenkov, I. G. Rusakov. Trudy Inst. Kom. stand., mer. i izm. prib. no. 61:58-63 '62.

Study of a new optical method for calibrating ultrasonic hydrophones in the frequency range of 200 kc. to 1 mc. V. L. Vlasov. Trudy Inst. Kom. stand., mer. i izm. prib. no. 61:70-86 '62.

SOUND—MEASUREMENT

Light and sound measurements in physics. N. M. Liven'tsev. Fiz. v shkole 23 no. 1:85-88 Ja-F '63.

Rakovskii, V. V. [Measurements in sound recording systems for motion pictures] Izmereniia v apparature zapisi zvuka kinofil'mov. Moskva, Izd-vo "Iskusstvo", 1962. 402 p.

SOUND—RECORDING AND REPRODUCING

New sound engineering center [with summary in English on p. 66]. E. G. Brili and others. Tekh. kino i telev. 7 no. 4:1-10 Ap '63.

SOUND—SPEED

Calculation of the sound velocities along the saturation line in the binary mixture benzene - methyl alcohol. G. D. Tarantova. Prim. ul'trakust. k issl. veshch. no. 16:130-140 '62.

Law of corresponding states as applied to binary liquid mixtures. G. D. Tarantova, V. F. Nozdrev. Prim. ul'trakust. k issl. veshch. no. 16:147-154 '62.

Notes on the determination of the Lenard-Jones exponent by acoustic methods. F. E. Kuezer, Prim. ul'trakust. k issl. veshch. no. 16:61-67 '62.

Resonance method of measuring the speed of sound in liquids. G. A. Samgina. Prim. ul'trakust. k issl. veshch. no. 16:33-37 '62.

Speed of sound in solids near the Curie point. E. I. Nesls. Prim. ul'trakust. k issl. veshch. no. 16:155-169 '62.

SOUND PRODUCTION BY ANIMALS

"Animal sounds and communication" [in English]. Reviewed by N. Andreev. Akust. zhur. 9 no. 2:264 '63.

SOUND WAVES

Discontinuity of the normal derivative potential of a simple acoustical layer. P. I. Tsel. Nauch. trudy Tul. gor. inst. no. 3:86-91 '61.

Energy release from damped plates. A. S. Nikiforov. Akust. zhur. 9 no. 2:243-244 '63.

Lateral waves in two-component media. L. IA. Kosachevskii. Prikl. mat. i mekh. 27 no. 2:358-361 Mr-Ap '63.

New representations of diffraction fields in wedge-shaped regions with ideal boundaries. A. A. Tuzhik, Akust. zhur. 9 no. 2:208-214 '63.

Nonlinear interaction of sound waves in an absorbing medium. K. A. Naugol'nykh, S. I. Solntan, R. V. Khokhlov. Akust. zhur. 9 no. 2:192-197 '63.

Passage of a sound wave through an elastic cylindrical shell. E. L. Shenderov. Akust. zhur. 9 no. 2:222-230 '63.

SOUNDPROOFING

Method for complete soundproofing. V. I. Zaborov. Akust. zhur. 9 no. 2:233-234 '63.

SOUTH AFRICA, REPUBLIC OF—HINDUS

Shastitko, P. M. [One hundred years of the deprivation of rights; situation of the Hindus in the Union of South Africa, 1880-1960] Sto let bespravlia; polozenie inditsov v Iuzhno-Afrikanskoi Soluze, 1880-1960 gg. Moskva, Izd-vo vostochnoi lit-ry, 1963. 164 p.

SOUTH AFRICA, REPUBLIC OF—RACE QUESTION

A preserve of white savages. Ivan Nedialkov. Ukraina no. 4:14-15 F '63.

SOUTH AFRICA, REPUBLIC OF—SOCIAL CONDITIONS

In the country of the coming storm [with English summary in insert, p. 3-4]. N. Makarov. Az. i Afr. seg. no. 4:34-37 Ap '63.

- SOUTH CHINA SEA—POLYCHAETA**
Rostraria - larva of Notopygos sp. (Amphinomidae, Polychaeta) from the South China Sea. V. A. Sveshnikov, TSiU Yen'-Zhen' [Ch'u Wen-Jen]. Dokl. AN SSSR 149 no. 3:738-741 Mr '63.
- SOUTH GORI DISTRICT—BOTANY**
Habitat of some plants in the Mongolian People's Republic. IU, M. Miroshnichenko. Bot. zhur. 48 no. 2: 253-254 F '63.
- SOUTH KAZAKHSTAN PROVINCE** see Chirchik Province
- SOUTH KOREA** see Korea, South
- SOVETSKIY (KURSK PROVINCE)—SUGAR FACTORIES**
Collective of the Kohen Sugar Factory strives for technological progress. A. P. Iakimov. Sakh. prom. 37 no. 3:5(165)-8(166) Mr '63.
- SOVIET BLOC** see Communist countries
- SOVIET CENTRAL ASIA—ARCHAEOLOGICAL SURVEYING**
Additional studies of the Bol'shoy Berel'skiy burial mound. S. Sorokin. Soob. Gos. Ern. no. 23:70-72 '62.
- SOVIET CENTRAL ASIA—ARCHITECTURE, MOHAMMEDAN**
Dukhovnoe upravlenie musul'man Srednei Azii i Kazakhstana. Tashkent. [Historical monuments of Islam in the U.S.S.R.] [Istoricheskie pamiatniki Islama v SSSR] Tashkent, [n.d.] 1 v. 136 plates. [Text in Arabic, Persian, and Kurdish]
— 64 p. [Text in Russian, English, and French]
- SOVIET CENTRAL ASIA—BUILDING MATERIALS INDUSTRY**
Supply the construction industry of Central Asia with a large supply base. IU, Smukovskii. Nar. khoz. Uzb. 5 no. 4:55-61 Ap '63.
- SOVIET CENTRAL ASIA—DESERT FAUNA**
Markovskii, P. I. [The rosy valley] Rozovaia dolina, Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 81 p. [MICROFILM]
- SOVIET CENTRAL ASIA—DESERT FLORA**
Northern limits of the distribution of characteristic components of the Taranian desert flora [with summary in English]. L. F. Musaev. Bot. zhur. 48 no. 2: 157-170 F '63.
- SOVIET CENTRAL ASIA—DESERTS—CONGRESSES**
Inter-republic session on the development of the desert territories of Central Asia and Kazakhstan. A. G. Babayev. Izv. Vses. geog. ob-va 95 no. 1:101-102 Ja-F '63.
- SOVIET CENTRAL ASIA—ECONOMIC CONDITIONS**
Description of the Central Asian Economic Region. A. M. Aminov. Oshchesiv. nauki v Uz. 7 no. 2:5-12 '63.
The 40th anniversary of the organization and work of the Central Asian Economic Council. T. K. Krasimov. Oshchesiv. nauki v Uz. 7 no. 2:19-20 '63.
Important Central Asian Economic Region. D. Evlikh. Nar. khoz. Uzb. 4 no. 1:20-35 Ja '63.
- SOVIET CENTRAL ASIA—ECONOMIC POLICY**
The Central Asian Economic Region and its role in the creation of the material and technical basis of communism. D. Evlikh. Komm. Uz. 35 no. 3:20-20 Mr '63.
- SOVIET CENTRAL ASIA—ECONOMICS, MATHEMATICAL—CONGRESSES**
Mathematical methods in planning and economic research; Inter-republic Scientific Conference in Tashkent. Nar. khoz. Uzb. 5 no. 4:78 Ap '63.
- SOVIET CENTRAL ASIA—EDUCATION**
I have seen, I have heard, I have learnt. Layla. Zhen. mira no. 1:9-12 '63.
- SOVIET CENTRAL ASIA—EROSION**
Gully control. B. F. Kosov. Priroda 52 no. 4:55-59 '63.
- SOVIET CENTRAL ASIA—GAS, NATURAL—GEOLOGY**
Principal results of combined regional studies in Central Asia and southeastern Kazakhstan. G. Kh. Dikenshtein. Sov. geol. 6 no. 2:25-33 F '63.
- SOVIET CENTRAL ASIA—GAS INDUSTRY**
The wider use of gas and the development of productive forces in Central Asia. A. Kortunov. Nar. khoz. Uzb. 5 no. 2:13-18 '63.
- SOVIET CENTRAL ASIA—GEOCHEMISTRY**
Historical geochemistry; ancient and present-day landforms of Central Asia. A. I. Perel'man. Priroda 52 no. 3:15-23 '63.
- SOVIET CENTRAL ASIA—GEOLOGY, STRATIGRAPHIC**
Regional stratigraphic record of Quaternary sediments of Central Asia and southern Kazakhstan. Blul. Kom. chetiv. per. no. 27:103-105 '62.
- SOVIET CENTRAL ASIA—HISTORIOGRAPHY**
Inolatov, Kh. Sh. [An answer to the falsifiers of the history of Soviet Central Asia and Kazakhstan] Otvety na' falsifikatoram istorii Sovetskoi Srednei Azii i Kazakhstana. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1962. 196 p. (CSI-II)
- SOVIET CENTRAL ASIA—HISTORY**
Tursunov, Kh. T. [The uprising of 1916 in Central Asia and Kazakhstan] Vostanie 1916 goda v Srednei Azii i Kazakhstane. Tashkent, Gos. izd-vo UzSSR, 1962. 426 p.
- SOVIET CENTRAL ASIA—INDUSTRIAL ORGANIZATION**
The Central Asian Economic Region is operating. Nar. khoz. Uzb. 5 no. 4:51-54 Ap '63.
- SOVIET CENTRAL ASIA—INSECTS**
Markovskii, P. I. [The rosy valley] Rozovaia dolina, Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 81 p. [MICROFILM]
- SOVIET CENTRAL ASIA—LANDFORMS**
Historical geochemistry; ancient and present-day landforms of Central Asia. A. I. Perel'man. Priroda 52 no. 3:15-23 '63.
- SOVIET CENTRAL ASIA—MOTION-PICTURE PLAYS**
We must adhere to the times. Takhir Sabirov. Isk. kino 33 no. 2:14-15 '63.
- SOVIET CENTRAL ASIA—ORE DEPOSITS**
Interrelation of the complex metal mineralization and small intrusions as revealed by the studies of some deposits in Central Asia and the Far East [with summary in English]. I. K. Nikiforova, G. A. Osipova. Geol. i geofiz. no. 1:22-36 '63.
- SOVIET CENTRAL ASIA—PETROLEUM GEOLOGY**
Principal results of combined regional studies in Central Asia and southeastern Kazakhstan. G. Kh. Dikenshtein. Sov. geol. 6 no. 2:25-33 F '63.
- SOVIET CENTRAL ASIA—RELAPSING FEVER**
Ticks of the genus Ornithodoros and their hosts in tick-borne recurrent typhus foci. N. K. Mishchenko. Vop. kraev. paraz. Turk. SSR 3:187-198 '62.
- SOVIET CENTRAL ASIA—ROCKS, IGNEOUS**
Interrelation of the complex metal mineralization and small intrusions as revealed by the studies of some deposits in Central Asia and the Far East [with summary in English]. I. K. Nikiforova, G. A. Osipova. Geol. i geofiz. no. 1:22-36 '63.
- SOVIET CENTRAL ASIA—SALT DEPOSITS**
Natural salts of the deserts. A. I. Dzsen-Litovskii. Priroda 52 no. 3:75-82 '63.
- SOVIET CENTRAL ASIA—SELPULCHRAL MONUMENTS**
Central Asian tombstone of the 15th century. A. Pribytkova. Iskusstvo 25 no. 12:68-69 '62.
- SOVIET CENTRAL ASIA—SHOE INDUSTRY**
Specialize the shoe industry of Central Asia. N. Zaprudskii. Nar. khoz. Uzb. 5 no. 2:24-27 F '63.
- SOVIET CENTRAL ASIA—TICKS AS CARRIERS OF DISEASE**
Ticks of the genus Ornithodoros and their hosts in tick-borne recurrent typhus foci. N. K. Mishchenko. Vop. kraev. paraz. Turk. SSR 3:187-198 '62.
- SOVIET FAR EAST—CAVIAR**
Determining the quality of salmon eggs. V. B. Kokhanovich. Ryb. khoz. 39 no. 4:80-88 '63.
- SOVIET FAR EAST—FAULTS (GEOLOGY)**
Using geophysical data for studying deep faults in the southern part of the Yana-Kolyma fold area and Okhotsk-Chaun volcanic belt and their role in the formation of granite intrusions and structures. IU, IA. Vashchilov. Sov. geol. 6 no. 4:54-72 Ap '63.
- SOVIET FAR EAST—FRESHWATER FAUNA**
Vertical migration of bottom invertebrates in the rivers of the Far East. I. M. Levandova, V. IA. Levandov. Izv. TINRO 48:178-180 '62.
- SOVIET FAR EAST—GAS, NATURAL—GEOLOGY**
Tuchkov, L. I. [Stratigraphy of Upper Triassic, Jurassic, and Lower Cretaceous sediments and the prospects for finding oil and gas in the northeastern U.S.S.R.] Stratigrafia verkhnetriasovykh iurakikh i nizhnemelovykh otlozhenii i perspektivy neftegazonosti Severo-Vostoka SSSR. Moskva, Gosgeoltekhizdat, 1962. 185 p.
- SOVIET FAR EAST—GEOLOGY, STRATIGRAPHIC**
Tuchkov, L. I. [Stratigraphy of Upper Triassic, Jurassic, and Lower Cretaceous sediments and the prospects for finding oil and gas in the northeastern U.S.S.R.] Stratigrafia verkhnetriasovykh iurakikh i nizhnemelovykh otlozhenii i perspektivy neftegazonosti Severo-Vostoka SSSR. Moskva, Gosgeoltekhizdat, 1962. 185 p.
- SOVIET FAR EAST—LONGSHOREMEN**
Seminar of longshoremen in the Far East. V. P. Mesev. Blul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:72-73 '62.
- SOVIET FAR EAST—ORE DEPOSITS**
Interrelation of the complex metal mineralization and small intrusions as revealed by the studies of some deposits in Central Asia and the Far East [with summary in English]. I. K. Nikiforova, G. A. Osipova. Geol. i geofiz. no. 1:22-36 '63.
- SOVIET FAR EAST—PETROLEUM GEOLOGY**
Tuchkov, L. I. [Stratigraphy of Upper Triassic, Jurassic, and Lower Cretaceous sediments and the prospects for finding oil and gas in the northeastern U.S.S.R.] Stratigrafia verkhnetriasovykh iurakikh i nizhnemelovykh otlozhenii i perspektivy neftegazonosti Severo-Vostoka SSSR. Moskva, Gosgeoltekhizdat, 1962. 185 p.
- SOVIET FAR EAST—REVOLUTION, 1917-1921**
Krushanov, A. L. [Struggle for the Soviet regime in the Far East and Transbaikalia, April, 1918-March, 1920] Bor'ba za vlast' Sovetov na Dal'nem Vostoke i Zabaikal'e, aprel' 1918 - mart 1920 g. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 354 p.
New studies on the struggle for Soviet rule in Siberia and the Far East. L. M. Goritskhin and others. Vop. ist. 38 no. 4:113-120 Ap '63.
- SOVIET FAR EAST—ROCKS, IGNEOUS**
Interrelation of the complex metal mineralization and small intrusions as revealed by the studies of some deposits in Central Asia and the Far East [with summary in English]. I. K. Nikiforova, G. A. Osipova. Geol. i geofiz. no. 1:22-36 '63.
Using geophysical data for studying deep faults in the southern part of the Yana-Kolyma fold area and Okhotsk-Chaun volcanic belt and their role in the formation of granite intrusions and structures. IU, IA. Vashchilov. Sov. geol. 6 no. 4:54-72 Ap '63.
- SOVIET FAR EAST—SALMON**
Materials on the river life period of the salmon Oncorhynchus masu (Brevort). M. L. Kryukhin. Izv. TINRO 48: 84-132 '62.
- SOVIET FAR EAST—SOIL RESEARCH**
Conference of Siberian geographers and soil scientists. S. V. Zonn. Izv. AN SSSR. Ser. geog. no. 2:147-148 Mr.-Ap '63.
- SOVIET UNION** see Russia
- SOVIETS**
(see also subdivision under Bashkiriya; Chirchik; Khabarovsk; Klev; Korsun'-Shevchenkovskiy District; Mikhaylovka District, Volgograd Province; Muron District; Otkryab'skiy District, Rostov Province; Poltava Province; Tashkent; Usman' District; Uzbekistan; Zhodino)
Brief news of the work of the soviets. Sov. deput. trud. no. 4:103-104 Ap '63.
Can close relations be deputies of the same soviet? Sov. deput. trud. no. 4:84-85 Ap '63.
Electoral districts. Sov. deput. trud. no. 4:45-49 Ap '63.
Executive committees. Sov. deput. trud. no. 4:49-53 Ap '63.
Extending the notarial functions of the executive committees of rural soviets. D. Kysel'uk. Rad. pravo no. 3:128 My-Je '62.
If an ex-convict has been fully rehabilitated... Sov. deput. trud. no. 4:85 Ap '63.
Krasnov, V. V. [Deputy's day] Den' deputata. Moskva, Gosizdat, 1961. 39 p. (CSI-H)
Let us work as V. I. Lenin did. V. Karpinskii. Sov. deput. trud. no. 4:3-5 Ap '63.
Organizational work in business enterprises. Sov. deput. trud. no. 4:54-58 Ap '63.
Right of the deputies of the Soviets to question the officials of the U.S.S.R. D. N. Bakhrakh. Izv. vys. ucheb. zav.; prav. 6 no. 2:33-42 '62.
A rural soviet is an integral part of its district. Sov. deput. trud. no. 4:102 Ap '63.
Sessions of the soviets. Sov. deput. trud. no. 4:36-41 Ap '63.
Standing committees. Sov. deput. trud. no. 4:41-45 Ap '63.
Systematic superseding of the higher officials of the soviets. Sov. deput. trud. no. 4:93-94 Ap '63.
What are the rights of the deputies of the soviets? K. Sladkov. Sov. deput. trud. no. 4:88-90 Ap '63.
You should act according to the law. M. Katsuk. Sov. deput. trud. no. 4:80-83 Ap '63.
You should rely upon the Soviet public. Sov. deput. trud. no. 4:57-61 Ap '63.
- SOVIETS—BIBLIOGRAPHY** see Bibliography—Soviets
- SOYBEAN—DISEASES AND PESTS**
Using herbicides in soybean fields. A. I. Mordashev. Zemledelie 25 no. 1:54-56 Ja '63.

SPACE BIOLOGY

- Another space function of chlorophyll. *Nauka i zhytlya* 12 no. 2:48-50 F '63.
- Changes of some natural immunity factors of dogs during the flight in the fourth and fifth spaceship. A. P. Volkova. *Isk. sput. Zem.* no. 15:109-112 '63.
- Cytological studies and space biology [with summary in English]. L. K. Lozina-Lozinskii. *Probl. kosm. biol.* 2:40-47 '62.
- Influence of space flight factors on the frequency of occurrence of sexlinked recessive lethal mutations in *Drosophila melanogaster*. I. A. L. Glembovskii, G. P. Parfenov, I. U. A. Lapkin. *Isk. sput. Zem.* no. 15:113-119 '63.
- Life beyond the borders of the earth. M. Morekhin. *Nauka i zhytlya* 12 no. 2:48-49 F '63.
- Microbiological and cytological studies in spaceships [with summary in English]. N. N. Zhukov-Verezhnikov and others. *Probl. kosm. biol.* 2:140-148 '62.
- Space embryology. A. Neifakh. *Nauka i zhizn'* 30 no. 1: 64d-67 Ja '63.

SPACE FLIGHT

- Legalization of space records, I. Borisenko. *Kryl. rod.* 14 no. 2:10-11 F '63.

SPACE FLIGHT—PHYSIOLOGICAL EFFECT

- Effect of space flight factors on some biological indices in insects [with summary in English]. I. A. L. Glembovskii, G. P. Parfenov. *Probl. kosm. biol.* 2:88-115 '62.
- Effect of space flight in spaceships on the cytological and histological changes in the hemopoietic organs of mice [with summary in English]. M. A. Arsen'eva and others. *Probl. kosm. biol.* 2:116-127 '62.
- Effect of the conditions of space flight on the seeds of higher plants and on actinomyces [with summary in English]. V. V. Khvostova and others. *Probl. kosm. biol.* 2:153-163 '62.
- Effect of the factors of space flight in the Vostok-2 spaceship on haploid and diploid yeast organisms [with summary in English]. N. V. Koviazin, A. A. Lukin, G. P. Parfenov. *Probl. kosm. biol.* 2:149-152 '62.
- Effect of the flight in spaceships on pathological and morphological changes in the internal organs of animals [with summary in English]. V. G. Petrukhin. *Probl. kosm. biol.* 2:128-139 '62.
- Ionizing radiations at the altitudes of 180-340 km. and radiation danger in space flights [with summary in English]. V. E. Nesterov and others. *Probl. kosm. biol.* 2:170-181 '62.
- Remote effect of space flights on higher nervous activity and some unconditioned reflexes [with summary in English]. L. D. Luk'yanova and others. *Probl. kosm. biol.* 2:192-205 '62.
- Studies on the biological effect of cosmic radiation in spaceships [with summary in English]. A. A. Giurdzhian. *Probl. kosm. biol.* 2:93-97 '62.

SPACE FLIGHT—SHIELDING (RADIATION)

- Problems of radiation protection in space flights [with summary in English]. A. V. Lebedinskii, I. U. G. Nefedov. *Probl. kosm. biol.* 2:11-24 '62.

SPACE FLIGHT TO MARS

- Our greetings to Mars! *IUn. tekhn.* 7 no. 12:30 D '62.

SPACE FLIGHT TRAINING

- General principles of the special physical training of an astronaut [with summary in English]. L. V. Chkhaidze. *Probl. kosm. biol.* 2:74-79 '62.

SPACE LAW

- Practical problems of the space law. G. Zhukov. *Mezhdunar. zhizn'* 10 no. 5:37-43 My '63.
- Space and international law. M. Mikhailov. *Grazhd. av.* 20 no. 1:26-27 Ja '63.

SPACE MEDICINE

- Biological telemetry and space flights [with summary in English]. R. M. Baevskii. *Probl. kosm. biol.* 2:26-39 '62.
- Effect of prolonged limitations of the motor activity on vital activities in monkeys [with summary in English]. N. A. Rokotova and others. *Probl. kosm. biol.* 2:417-427 '62.
- Electroencephalographic investigation of the functional state of the human central nervous system under prolonged isolation conditions. G. V. Izosimov, V. I. Miasnikov. *Isk. sput. Zem.* no. 15:120-123 '63.
- Motion sickness as a problem of space medicine [with summary in English]. O. L. Komendantov, V. I. Kopanov. *Probl. kosm. biol.* 2:80-92 '62.
- Physical exercises as a means of preserving the constancy of the internal environment of the organism of an astronaut [with summary in English]. A. V. Korobkov. *Probl. kosm. biol.* 2:68-73 '62.
- Some data on the effect of a closed space on the physiological functions in animals [with summary in English]. I. S. Breslav and others. *Probl. kosm. biol.* 2:291-302 '62.

SPACE MICROBIOLOGY

- Effect of space flight conditions on dissociation of intestinal bacteria. N. N. Kiemparskaia. *Isk. sput. Zem.* no. 15:104-108 '63.

SPACE SCIENCES

- Club of young astronauts. *IUn. nat.* no. 3:26-28 Mr '63.

SPACE VEHICLES

- Cyrostat. I. Shipov. *IUn. tekhn.* 7 no. 12:26-29 D '62.

SPACE VEHICLES—ATMOSPHERIC ENTRY

- Re-entry of a spaceship. K. Maliutin. *Kryl. rod.* 14 no. 3:13-14 Mr '63.

SPACE VEHICLES—ELECTRIC EQUIPMENT

- Measurement of radiation doses obtained by I. U. A. Gagarin and G. S. Titov during the first space flights. I. I. Keirim-Markus and others. *Isk. sput. Zem.* no. 15: 102-103 '63.

SPACES, GENERALIZED

- Best approximation problems in random normed spaces. A. N. Sherstnev. *Dokl. AN SSSR* 149 no. 3:539-542 Mr '63.

- Order of convergence of n -singular integrals in generalized Lebesgue points and in $L_p(-\infty, \infty)$ space. R. G. Mamedov. *Izv. AN SSSR, Ser. mat.* 27 no. 2:287-304 Mr-Apr '63.

- Properties of shifts of p -space of constant curvature [with summary in English]. I. U. A. Gol'fand. *Zhur. eksp. i teor. fiz.* 44 no. 4:1248-1251 Ap '63.

- Some systems of paths included in Riemannian space. I. A. L. Shapiro. *Izv. vys. ucheb. zav.; mat.* no. 3:166-172 '63.

SPAIN—AMNESTY

- Hypocrisy of General Franco's dictatorship. M. Tanina. *Rad. pravo* no. 3:134-135 My-Je '62.

SPAIN—COMMERCE

- "Spain; economy and foreign trade" by A. P. Karavaev. Reviewed by Ramon Penja. *Vnesn. torg.* 43 no. 4:52-54 '63.

SPAIN—ECONOMIC CONDITIONS

- "Spain; economy and foreign trade" by A. P. Karavaev. Reviewed by Ramon Penja. *Vnesn. torg.* 43 no. 4:52-54 '63.

SPAIN—LABOR AND LABORING CLASSES

- For solidarity with the Spanish people. *Vsem. prof. dvizh.* no. 4:9-10 Ap '63.

SPAIN—MOTORBUS LINES—RATES

- Victory on the Canary Islands. *Vsem. prof. dvizh.* no. 4: 10 Ap '63.

SPAIN—POLITICAL PRISONERS

- People with inflexible wills. T. Markov. *Agitator* no. 9: 52-54 My '63.

SPAIN—POLITICS AND GOVERNMENT

- Voice of Spanish political prisoners. Marcos Ana. *Vsem. prof. dvizh.* no. 4:5-8 Ap '63.

SPAIN—THEATER

- Struggle of the Spanish theater. Juan Cobo. *Teatr* 24 no. 3:123-128 Mr '63.

SPANDARLAN, SUREN, 1882-1916

- Outstanding people. *Blok. agit. [Gruz.]* 10 no. 23:28-30 D '62.

SPANISH AMERICA see Latin America

SPANISH LANGUAGE—PARTICLES

- Voice meanings of the particle "se" in Spanish. M. Sanchez-Pavon. *Uch. zap. kaf. zap. inostr. yaz. IMO* no. 3:65-81 '60.

SPANISH LANGUAGE—TERMS AND PHRASES

- On the term "Americanism." G. V. Stepanov. *Uch. zap. LGU* no. 283:140-143 '61.

SPANISH LANGUAGE—VERB

- Origin of indefinite-personal reflexives in Spanish. I. N. Mikhailova. *Uch. zap. kaf. zap. inostr. yaz. IMO* no. 3:51-54 '60.
- Some semantic characteristics of phrases; from materials on the Spanish language. V. S. Vinogradov. *Uch. zap. LGU* no. 283:30-34 '61.
- Voice meanings of the particle "se" in Spanish. M. Sanchez-Pavon. *Uch. zap. kaf. zap. inostr. yaz. IMO* no. 3:65-81 '60.

SPASSK-RYAZANSKIY DISTRICT—AGRICULTURAL ADMINISTRATION

- "A harmful measure." *Sov. deput. trud.* no. 4:86 Ap '63.

SPECTACLES

- Bifocal spherical-prismatic eyeglasses with reduced residual aberrations. I. U. A. Utekhin. *Izv. vys. ucheb. zav.; prib.* 6 no. 2:80-98 '63.

SPECTROGRAPH

- An attachment to the ISP-51 spectrograph for measuring spectral reflection coefficient. A. I. Rymov. *Svetotekhnika* 9 no. 2:10-14 F '63.
- Bicylindrical objective for time-base scanning of the spectrum by means of an electron-optical light amplifier. G. B. Smolkin, A. V. Titov. *Prib. i tekhn. eksp.* 8 no. 2:129-133 Mr-Apr '63.

SPECTROGRAPHY

- Time variation of the spectral composition of the radiation from a quantum generator operated on neodymium-activated glass [with summary in English]. M. P. Vaniukov, V. I. Isaenko, V. V. I. Lubimov. *Zhur. eksp. i teor. fiz.* 44 no. 4:1151-1152 Ap '63.

SPECTROMETER

- Long-wave infrared spectrometer. A. G. Zhukov. *Opt. i spekt.* 14 no. 3:422-424 Mr '63.
- Nuclear magnetic resonance spectrometer with magnetic field stabilization. B. I. Tetelbaum, N. A. Gilazov, G. M. Lagunskii. *Prib. i tekhn. eksp.* 8 no. 2:111-113 Mr-Apr '63.

SPECTROMETRY

- Instrument function in Fourier spectrometry involving discrete analysis. P. F. Parshin. *Opt. i spekt.* 14 no. 3:388-394 Mr '63.

SPECTROPHOTOMETER

- Using the SF-2M spectrophotometer for studying the color of minerals. O. B. Dudkin, H. A. Kravchenko-Barozhnoi. *Mat. po min. Kol'. polnost.* 2: 159-163 '62.

SPECTROPHOTOMETRY

- Spectrophotometric study of the radiation energy distribution in IFK-2000 and IFK-20000 pulsed tubes. V. M. Podgushkii, A. N. Chernota. *Opt. i spekt.* 14 no. 3: 424-426 Mr '63.

- Spectrophotometric study of the reactions of anabasine with cupric chloride, bromide, and nitrate. O. I. Graciov. *Uzb. khim. zhur.* 7 no. 1:34-39 '63.

SPECTRUM, ATOMIC

- Excitation of atomic spectra in the reaction zone of the acetylene-air flame. V. F. Zhitkovich and others. *Opt. i spekt.* 14 no. 3:336-341 Mr '63.

SPECTRUM, INFRARED

- Interaction of cellulose with some hydroxyl-containing compounds studied by infrared spectroscopy. I. U. Putter and others. *Uzb. khim. zhur.* 7 no. 1:28-33 '63.

SPECTRUM, SOLAR

- Central intensities of strong Fraunhofer lines in the solar spectrum [with summary in English]. D. M. Kuliev. *Vest. LGU* 18 no. 7:155-160 '63.

SPECTRUM ANALYSIS

- Determination of the force constants and calculation of the vibrational spectrum of crystalline selenium. V. G. Boltov. *Fiz. tver. tela* 5 no. 4:1050-1054 Ap '63.

- Spectral density of the energy brightness of hydrogen and deuterium lamps in the ultraviolet region of the spectrum. M. N. Smolkin, N. B. Ierodnikov. *Opt. i spekt.* 14 no. 3:414-416 Mr '63.

- Spectral studies of the OH emission of light from the sky during twilight [with summary in English]. T. G. Megrelashvili, T. I. Toroshelidze. *Blul. Abast. astrofiz. obser.* no. 20:103-109 '62.

- Spectropolarimetric analysis. Report No. 1: Quantitative determination of benzaldehyde [with summary in English]. V. M. Potapov, A. P. Terent'ev, V. G. Avakian. *Zhur. anal. khim.* 18 no. 1:116-120 Ja '63.

- Use of spectroscopic methods in studying electron paramagnetic resonance and gamma-irradiated cellulose materials. I. M. Iarmolenko, A. K. Potapovich, V. N. Makatun. *Vest. AN BSSR, Ser. fiz.-tekh. nav.* no. 1: 65-71 '63.

SPEECH

- Seminar on communication by speech; review. Gumar Fant. *Akunt. zhur.* D no. 2:137-152 '63.

SPEECH—SPECTRA

- Study of a Chebyshev-type vocoder. V. I. Kutia. *Elektrosvyaz* 17 no. 3:22-30 Mr '63.

SPEECH, DISORDERS OF

- Dynamics of the reactive state with a syndrome of psychogenic speech entanglement. O. M. Palladina. *Prak. audubnopsikh. eksp.* no. 5:53-61 '61.

SPERANSKIY, GEORGI NESTEROVICH, 1873-

- G. N. Speranskii; on the 65th anniversary of his medical activity. *Pediatr. zh.* 41 [i.e. 42] no. 2:3-6 F '63.
- G. N. Speranskii's activities in the All-Union Scientific Society of Pediatricians. O. A. Chumakovskaya. *Pediatr. zh.* 41 [i.e. 42] no. 2:6-8 F '63.

SPERMATOGENESIS IN ANIMALS

- Characteristics of spermatogenesis in sexually immature male fishes. O. B. Chernyshev. *Vysnyk Kyiv. un.* no. 3. Ser. biol. no. 1:143-147 '60.

SPILLWAYS

- Calculations for shaft spillways. N. I. Romanko. *Gid. stroit.* 33 no. 4:44-46 Ap '63.

SPINAL NERVES see Nerves, Spinal

SPINDLE TREE

- Separation and identification of fatty acids in lipids of the spindle tree by the method of obtaining urea complexes and by paper chromatography. N. V. Sergeeva. *Nauch. dokl. vys. shkoly; biol. nauk* no. 2:157-160 '63.

SPINDLE-WHORLS see subdvision under Cherkassy Province

SPINE—ABNORMALITIES AND DEFORMITIES

Secondary radiculitis and spondylitis deformans. D.S. Giber-Grits. Med. sestra 21 no.12:9-13 D '62.

SPINE—DISEASES

New symptom in spondylarthrosis. I. A. Nikolaev. Sov. med. 26 no.1:115-116 Ja '63.

SPINEL GROUP

Calien arrangement in the spinel CuMn_2O_4 . A. I. Zaslavskii, Z. V. Karachentseva, A. I. Zharinova. Kristallografiya 7 no.6:835-843 N-D '62.

Determining short-range order parameters for three-component spinels. I. U. N. Kurushin, A. N. Men'. Fiz. met. i metalloved. 15 no.2:101-105 F '63.

SPINNING

Consultation. E. G. Elges, O. A. Filatova. Tekst. prom. no.2:93-94 F '63.

Determining the degree of fiber parallelizing in the course of flax spinning operations. V. M. Gurov, Izv. vuzov, zav., i tekhn. tekhn. prom. no.1:72-70 '63.

Effect of the straightness characteristics of cotton and synthetic fibers on the structural unevenness of the product. A. V. Terlyustnov. Tekst. prom. no.2:34-39 F '63.

Effect of the various methods of sliver preparation after carding on the final quality of cotton yarn in repeated tension. N. N. Milovtsov. Izv. vuzov, zav., i tekhn. tekhn. prom. no.1:0-14 '63.

Reference materials. Tekst. prom. no.2:04-06 F '63. Technical and economic indices of the manufacture of fine condensed yarn. R. A. Mamedova. Tekst. prom. 23 no.3:20-34. Mr '63.

Centralnyi institut nauchno-tekhnicheskoi informatsii i tekhn. promyshlennosti. [Processing of yarn in a blend with cotton and viscose fibers] Poroznolka iarsana v amesi s khlopkom i viskoznyim voloknom, Moskva, 1962, 56 p.

[MICROFILM]

Use of cotton systems for the manufacture of yarn from nitron staple. P. H. Levi. Tekst. prom. 23 no.3:15-19 Mr '63.

SPINNING MACHINERY

(see also subdivision under Hungary)

Changing the speed of the spinning machine during the filling up of the bobbin for doffing. N. G. Tupchii. Tekst. prom. no.2:45-49 F '63.

Design of the winding mechanisms of ring spinning machines. A. F. Kasulin. Izv. vuzov, zav., i tekhn. tekhn. prom. no.1:00-04 '63.

Developing the ways for redesigning the drafters of domestic roving machines for the processing of heterogeneous mixtures. N. I. Shilova. Izv. vuzov, zav., i tekhn. tekhn. prom. no.1:05-71 '63. Research in the field of spinning; from the materials of the 4th International Conference of Textile Representatives in the Polish People's Republic [translated from the Polish]. Tekst. prom. 23 no.4:20-33 Ap '63.

SPINNING MACHINERY—STANDARDS

Spinning machines for wool and flax. A. I. Antreanov. Standartizatsiya 27 no.2:40-41 F '63.

SPINARIA

(see also subdivision under Karaganda)

Repeated vegetative growth of spinaria. I. U. K. Dundin. Bot. zhur. 40 no.2:271 F '63.

SPIELEN—INFARCTION

Infarcts of the spleen in hypertension. L. N. Tsar'kova, V. A. Odinkova. Trudy MONIKI no.5:215-210 '62.

SPODUMENE see subdivision under Siberia

SPONDYLOTHIRAPY

Treatment of deforming spondylitis with mastic in combination with exercise therapy. S. G. Allov, L. P. Bagrin. Shor. trud. Azor. nauch. i issl. inst. kur. i fiz. metod. tekhn. no.3:120-132 '60.

SPORADIC E (IONOSPHERE)

E-layer at low latitudes based on studies performed on the schooner "Zaria." N. P. Ben'kova, K. N. Vasil'ov. Geomag. i aer. 3 no.1:88-93 Ja-F '63.

SPORES (BOTANY)

Role of some factors on the spore formation of phosphorus bacteria. M. N. Chernobyl'ska, V. A. Kordium, S. M. Landau. Voeny Kyiv. un. no.2, Ser. biol. no.1: 103-106 '60.

SPORIDESMOLIC ACID

Synthesis of sporidesmolic acid D. I. U. A. Ovchinnikov and others. Izv. AN SSSR, Old. khim. nauk no.3:570-570 Mr '63.

SPORTS

(see also subdivision under Baku)

Holiday of the millions. I. U. Mashin. Agitator no.14: 19-21 Ji '62.

Soviet youth and sports. N. E. Men'chukov. Mat. i soob. Issl. old. inst. po izuch. BSSR no.38/39:97-102 O-N '62. Sports. Kim Pushkar'ov. Ukraina no.8:26-27 Mr '63. Third All-Russian Spartakiada. K. V. Krupin. Teor. i prak. fiz. kul't. 26 no.3:16-19 Mr '63.

Viktorov, I. A. V. [Four champions; sketches about sportsmen] Chetyre chempiona; ocherki o sportsmenakh. Moskva, Izd-vo "Pravda," 1963, 45 p. (Biblioteka "Ogonek," no.14)

SPORTS—ORGANIZATION AND ADMINISTRATION

(see also subdivision under Moscow)

At the Central Council of the Union of Sports Societies and Organizations of the U.S.S.R. Teor. i prak. fiz. kul't. 26 no.4:76 Ap '63.

Improve propaganda of physical culture and sports in various groups. A. A. Volkov. Teor. i prak. fiz. kul't. 26 no.3:43-46 Mr '63.

SPORTS—PHILOSOPHY

Some problems of aesthetics in physical culture and sports (to be concluded). A. P. Rodionov. Teor. i prak. fiz. kul't. 26 no.4:7-15 Ap '63.

SPORTS—PHYSIOLOGICAL ASPECTS

Effect of verbal stimuli on the muscle activity in physical exercises. M. I. Stankin. Teor. i prak. fiz. kul't. 26 no.4:42-43 Ap '63.

Some basic problems of the biochemistry of sports. N. N. Iakovlev. Teor. i prak. fiz. kul't. 26 no.3:58-01 Mr '63.

Sports after an amputation [with summary in English in insert]. P. I. Belousov. Ortop., travm. i protez. 23 no.11:72-75 N '62.

SPORTS—PHYSIOLOGICAL EFFECT

Effect of physical exercises on the organism. M. M. Kruglyi. Teor. i prak. fiz. kul't. 26 no.4:78-79 Ap '63.

SPORTS FOR WOMEN

A disapproved legend. Alevitina Levitska. Ukraina no.5: 30 Mr '63.

SPORTS MEDICINE

Developing speed and strength qualities in young boys and girls. O. V. Fedorov. Teor. i prak. fiz. kul't. 26 no.3:72-74 Mr '63.

Developing the ability to stand maximum stresses. V. E. Nagornyi, N. A. Akimova. Teor. i prak. fiz. kul't. 26 no.3:36-38 Mr '63.

Dynamics of the absorption of radioactive iodine by athletes with golter during physical training. I. S. Khorol. Teor. i prak. fiz. kul't. 26 no.3:39-40 Mr '63.

R'ina, L. I., and E. V. Kuklovskaya. [Electroencephalography of athletes] Elektroencefalografija sportsmenov. Moskva, Medgiz, 1962, 127 p. (DNLM)

SPRAYS—PACKING

Packing salt spray in two barrels at the same time. Ryb. khoz. 30 no.4:77 '63.

SPRAYING AND DUSTING EQUIPMENT

(see also subdivision under Ukraine)

The GHA-25 thermal aerosol generator. D. M. Mikhailov, I. P. Piskun, Zashch. rast. ot vred. i bol. 6 no.11: 10-17 N '61.

The "Kometa" duster. T. A. Rumshitskii. Zashch. rast. ot vred. i bol. 6 no.6:17-19 Jo '61.

Mechanizing the filling of sprayers. A. M. Galashek. Zashch. rast. ot vred. i bol. 6 no.11:17-18 N '61. Portable hand sprayer. F. E. Markin. Shkola i protzv. 7 no.2:76-77 F '63.

SPRAYING AND DUSTING IN AGRICULTURE

Practices in using concentrated solutions in orchards. S. F. Prokopenko. Zashch. rast. ot vred. i bol. 6 no.6: 16-17 Jo '61.

SPREUSTEIN see subdivision under Khibiny Mountains

SPRING

Birthday of spring. G. Skrebitskii. IUN, nat. no.3: 20-31 Mr '63.

Spring comes from the sea. N. Bykov, A. Gostev. Ogonek 41 no.13:1 Mr '63.

SPRINGS see subdivision under Yakutia

SPRINGS (MECHANISM)

Designing annular flexure springs. B. A. Berkman. Vest. mashinostr. 43 no.4:27-28 Ap '63.

Increasing the life of trolley-bus springs. A. N. Prokhorov, A. M. Burnevich. Shor. nauch. rab. AKKH no.13:236-264 '62.

Kind of elastic imperfections of instrument springs. I. U. V. Miloserdin, B. A. Blofeld, I. U. G. Lakin. Metod. isp. det. mash. i prib. no.2:20-35 '62.

Lessening elastic imperfections of instrument springs. I. U. V. Miloserdin, I. U. G. Lakin, B. A. Blofeld. Metod. isp. det. mash. i prib. no.2:36-42 '62.

SPRINGS (MECHANISM)—TESTING

Effect of rigidity on the hysteresis of instrument springs. I. U. G. Lakin, B. A. Blofeld, I. U. V. Miloserdin. Metod. isp. det. mash. i prib. no.2:43-50 '62.

Effect of some operating factors on the elastic hysteresis of instrument springs. B. A. Blofeld, I. U. V. Miloserdin, I. U. G. Lakin. Metod. isp. det. mash. i prib. no.2:51-63 '62.

SPRINKLER IRRIGATION see subdivision under Moscow Province

SPUTTERING (PHYSICS)

Sputtering of single crystals as dependent on the direction of the incident particles. D. D. Odintsov. Fiz. tver. tela 5 no.4:1114-1116 Ap '63.

SQUIRRELS

(see also subdivision under Voronezh Preserve)

Squirrel. V. Parkhomenko. Doshk. vykh. 24 no.3:41 Mr '63.

SREZNEVSKII, IZMAIL IVANOVICH, 1812-1880

I. I. Sreznevskii's role in the development of inter-Slavic folklore relations. V. M. Skrypka, N. S. Shumado. Nar. tvorch. ta etn. 6 no.4:62-68 O-D '62.

STABILITY OF SHIPS

Methods of training in solving problems of reserve buoyancy and redressing the damage done to a ship. B. G. Shil'man. Mor, sbor. 46 no.5:47-54 My '63.

STALIN, IOSIF, 1879-1953

Glorious and heroic history [with summary in English p.219]. D. M. Kuklin. Vop. ist. 38 no.4:8-11 Ap '63.

We should eliminate all traces of the personality cult in Soviet jurisprudence. P. Nedballo, E. Nazarenko. Rad. pravo no.3:3-12 My-Je '62.

STALINGRAD see Volgograd

STALINGRAD, BATTLE OF, 1942-1943

Fortress on the Volga. K. Zaimullin. Obshchestv. nauki v Uz. 7 no.2:13-18 '63.

In the great battle on the Volga. P. Guk. Mol. komm. no.11:106-107 N '62.

Meeting at the Historical Institute devoted to the great battle on the Volga. A. V. Karasev, G. A. Kumanev. Vest. AN SSSR 33 no.4:101-102 Ap '63.

STALINGRAD HYDROELECTRIC POWER STATION see Volga Hydroelectric Power Station (22d Congress of the CPSU)

STALINGRAD PROVINCE see Volgograd Province

STALINO see Donetsk

STALINO PROVINCE see Donetsk Province

STALINSK see Novokuznetsk

STAMP DUTIES

Decisions of arbitration agencies. Sov. iust. no.8: 31-32 Ap '63.

STANDARDIZATION

(see also subdivision under Chuvashia; Latvia; Ulyanovsk; United States)

Importance of standardization for the national economy. F. F. Rekovskii. Standartizatsiya 27 no.3:63 Mr '63.

Organize the information on specifications. L. P. Vil'chur. Standartizatsiya 27 no.2:51 F '63.

STANDARDS, ENGINEERING

Changes in the plan of standard designing for 1963. Biul. stroi. tekhn. 20 no.4:25 Ap '63.

Collected state standards. Standartizatsiya 27 no.3: 63-64 Mr '63.

Collected state standards. Standartizatsiya 27 no.4: 58-60 Ap '63.

Corrections of State Standards. Biul. stroi. tekhn. 20 no.3:31 Mr '63.

Foreign standards. Standartizatsiya 27 no.4:61-64 Ap '63.

[Information index of standards] Inform. ukaz. stand. 24 no.3 '63.

List of standards for design and construction abolished by the State Committee on Construction of the U.S.S.R. in the fourth quarter of 1962. Biul. stroi. tekhn. 20 no.3:47-3 of cover Mr '63.

List of standards for design and construction approved by the State Committee on Construction of the U.S.S.R. in the fourth quarter of 1962. Biul. stroi. tekhn. 20 no.3:45-46 Mr '63.

Plan of establishing standards for 1963. Biul. stroi. tekhn. 20 no.3:9-10 Mr '63.

Plan of standard designing for 1963. Biul. stroi. tekhn. 20 no.3:5-8 Mr '63.

Spot checking of plans and estimates. Biul. stroi. tekhn. 20 no.4:47-48 Ap '63.

[Standardization of bearing and exterior elements; the assortment of standardized structural elements for various types of buildings] Unifikatsiya nesushchikh i ogranichivayushchikh konstruktsii; sortament unifikirovannykh stroitel'nykh izdelii dlia zdani razlichnogo naznacheniia. [By] D. B. Khazanov, A. A. Sherentals, G. I. Madera. Moskva, Gostroiizdat, 1963, 110 p.

Standards for the design of buildings and structures to be erected in seismic districts. Biul. stroi. tekhn. 20 no.3:33-34 Mr '63.

Standards for the machinery industry. Standartizatsiya 27 no.4:60-61 Ap '63.

Standards put into effect in 1962. Transp. stroi. 13 no.4:79 Ap '63.

- STANISLAVSKII, KONSTANTIN SERGEEVICH, 1863-1938**
The beautiful life of an artist. Serafima Birman. Zhen. mira no. 1:26-30 '63.
First steps. A. Orferov. Sov. muz. 27 no. 1:65-66 Ja '63.
Great Soviet artist. M. Eleiskala. Klub 12 no. 10:36-37 O '62.
How Stanislavskii worked. O. Sobolevskaia. Sov. muz. 27 no. 1:60-65 Ja '63.
Kalashnikov, Iu. S. [The theater of the future; K. S. Stanislavskii's system, the method of realistic creation] Teatr budushchego; sistema K. S. Stanislavskogo, metod realistskogo tvorchestva. Moskva, Znanie, 1962, 45 p. (Novoe v zhizni, nauke, tekhnike, VI Seriya; Literatura i iskusstvo, no. 9) (MH)
Lessons of a producer. N. Pechkovskii. Sov. muz. 27 no. 1:74-76 Ja '63.
Nonjubilee tribute to Stanislavskii. Lufgi Comencini and others. Isk. kino 33 no. 3:118-130 '63.
Nonjubilee tributes to Stanislavskii. Jean Renoir and others. Isk. kino 33 no. 2:111-120 '63.
On Leont'evskiy Lane (conclusion). I. A. Varshavskii. Isk. kino 33 no. 2:107-111 '63.
Produced by Stanislavskii. M. Rogachevskii and others. Teatr 24 no. 4:104-108 Ap '63.
Stanislavskii days. Teatr 24 no. 4:102-103 Ap '63.
Stanislavskii produces Musorgskii. P. Rumiantsev. Sov. muz. 27 no. 1:68-74 Ja '63.
Stanislavskii reflects the truth. Konstantin Volnov. Isk. kino 33 no. 3:131-132 '63.
Years in the studio. B. Khaikin. Sov. muz. 27 no. 1:52-56 Ja '63.
- STANOVY RANGE—GEOLOGY, STRUCTURAL**
Tectonics of the Stanovoy Range [with summary in English]. L. P. Kopevich, Iu. B. Kazmin. Geol. i geofiz. no. 1:37-48 '63.
- STAPHYLOCOCCAL DISEASE**
Staphylococcal and toxico-allergic pneumonia in pulmonary tuberculosis [with summary in English]. N. A. Shmelev, I. R. Dorozhkova, A. I. Dobychina. Vrach. delo no. 3:3-8 Mr '63.
- STAPHYLOCOCCUS**
Autonomous protein synthesis in staphylococcal mutants with deficient oxidation. G. F. Gauze, A. V. Laiko. Dokl. AN SSSR 149 no. 3:711-713 Mr '63.
- STARAYA LADOGA—BONE CARVING**
Carved bone from Staraya Ladoga. O. Davidan. Soob. Gos. Erm. no. 23:16-18 '62.
- STARAYA LADOGA—CHURCH ARCHITECTURE**
Window framework from the 12th century in the Church of St. George at Staraya Ladoga. B. Sapunov, A. Dragi. Soob. Gos. Erm. no. 23:14-16 '62.
- STARICH**
Effect of the perfusion rate on the cavitary and parietal hydrolysis of starch and sucrose. N. N. Izutova, A. M. Ugolev, I. N. Fedushina. Dokl. AN SSSR 149 no. 3:746-749 Mr '63.
Effect of various forms of mineral fertilizers on the starch and ascorbic acid content of potato tubers [with summary in English]. P. O. Dmytrenko, Zh. T. Holovashchuk. Ukr. biokhim. zhur. 34 no. 6:863-870 '62.
Natural (C₆H₁₀O₅) polymer. I. Vol'per. Obshchestv. pit. no. 1:58-60 Ja '63.
Simplified determining of the concentration of molasses and flour mash in solvent production. A. M. Marfina, N. I. Nikituk, A. N. Gun'ko. Spirt. prom. 29 no. 3:15-18 '63.
Wood starch from pine shoots. A. V. Peskova. Sbor. trud. TSNILKHI no. 14:106-116 '61.
- STARICHENKOVSKIY DISTRICT—POLITICS AND GOVERNMENT**
How the Soviet public has participated in the work of a district soviet of workers' deputies. IU. Borysluk. Rad. pravo no. 3:25-29 My-Je '62.
- STARO-TARBEYEVO (TAMBOV PROVINCE)—RURAL LIBRARIES**
Klimov, B. V. Ludmila Nazarovna Abo. [Tambov] Tambovskoe knizhnoe izd-vo, 1960, 23 p. (Masters agitatsionno-propagandistskoi raboty)
- STARS—CATALOGS**
Systematic errors in the Odessa photometric catalog of selected star areas. B. A. Dragomiretskaia. Izv. Astron. obser. 5 no. 1:59-69 '59.
- STARS—CLASSIFICATION**
Classifications of emission stars connected with diffuse nebulae. M. V. Dolidze. Astron. tsir. no. 23:23-24 N '62.
- STARS—CLUSTERS**
Characteristics of a two-color diagram of open star clusters and their distribution in the Galaxy. V. Shen'kikh, N. S. Nikolaev. Astron. tsir. no. 23:21-22 N '62.
Some groups of emission stars connected with diffuse nebulae. M. V. Dolidze. Astron. tsir. no. 23:22-23 D '62.
- STARS—MASSES**
Relation between the mass-radiation and the mass-radius of double stars. T. A. Goloborod'ko. Biol. VAGO no. 31:37-43 '62.
- STARS—OBSERVATIONS**
Determining right ascensions of 645 FK3 stars in the FK3 system. B. V. Novopashennyi. Izv. Astron. obser. 5 no. 1:43-58 '59.
- STARS—SCINTILLATION**
Star scintillation and limb deformations of extended celestial bodies. A. N. Demidova, N. V. Dystrova. Astron. tsir. no. 23:12-13 D '62.
- STARS, NEW**
Discovery of a supernova. Astron. tsir. no. 23:1 D '62.
Nova 1956 Ursae Minor. V. Satyvaldiev. Astron. tsir. no. 23:1-2 D '62.
SVS 1359 is a nova with large amplitude or a supernova. IU. N. Efremov. Astron. tsir. no. 23:2-3 D '62.
- STARS, VARIABLE**
Flare of Z Andromedae. Astron. tsir. no. 23:1 D '62.
Gorbatskii, V. G., and I. N. Minin. [Nonstable stars] Nestatsionnyye zvezdy. Moskva, Fizmatgiz, 1963, 355 p. (Problemy teoreticheskoi astrofiziki)
KP Persel, N. L. Magalashvili, I. A. I. Kumsishvili. Astron. tsir. no. 23:20 N '62.
Period of AB Andromedae. V. M. Grigorevskii. Izv. Astron. obser. 5 no. 1:71-73 '59.
- STASOV, VLADIMIR VASIL'EVICH, 1824-1906**
Letter written by V. V. Stasov. A. Skoblonok. Sov. muz. 27 no. 4:49-59 Ap '63.
- STATE FARMS**
(see also subdivision under Bobruysk region; North Kazakhstan Province)
The community center, too, is responsible for the crop. K. Shishkov. Klub 12 no. 2:3-5 F '63.
Some problems relating to the legal status of state farms during the large-scale building of communism. N. Kovalevko. Sov. iust. no. 8:3-5 Ap '63.
Those who stride ahead. M. L'ianov. Koop. Kazakh. 5 no. 12:26-28 D '62.
Zakladnoi, V. S., and T. A. Komarova. [Wages for drivers on state farms] Oplata truda shofirov v sovkhlozakh. Moskva, Izd-vo M-vo sel'skogo khoz. RSFSR, 1963, 155 p.
- STATE FARMS—ACCOUNTING**
(see also subdivision under Irkutsk Province; Kiev Province)
Accountant for a quarter of a century. V. P. Moshkova. Uchet i fin. v kolhoz. i sovkhloz. 20 no. 3:15 Mr '63.
The managerial work should be accurately accounted for. I. Makeev, A. Shkuratov. Ekon. sel'khoz. 34 no. 3:113 Mr '63.
- STATE FARMS—AUDITING AND INSPECTION**
Operational analysis of production expenditures. A. P. Belova. Uchet i fin. v kolhoz. i sovkhloz. 20 no. 3:33-35 Mr '63.
- STATE FARMS—FINANCE**
Analysis of state farm working capital. I. N. Belyi. Uchet i fin. v kolhoz. i sovkhloz. 20 no. 3:25-26 Mr '63.
Business accounting on state farms. E. Savol'ev. Agitator no. 8:39-42 My '63.
- STATE FARMS—LABOR PRODUCTIVITY** see subdivision under Tselinograd Province
- STATE FARMS—MANAGEMENT**
(see also subdivision under Irkutsk Province; Krasnoyarsk Territory; Saryagach District; Taldom District; Virgin Territory)
How the size of stockbreeding and its relation to fruit and berry growing affects the economic efficiency of fruit and berry growing state farms in the central regions of the U. S. S. R. I. F. Gorbach. Dokl. TSKHA no. 88:155-160 '61.
Lost confidence. N. Zuraev. Sov. profsoyuzy 19 no. 7:23 Ap '63.
Prospects of the virgin land "Samarskiy" State Farm. I. Likhobaba, A. Bruk. Ekon. sel'khoz. 34 no. 3:42-50 Mr '63.
- STATE FARMS—OFFICIALS AND EMPLOYEES**
Regulation on economists. Ekon. sel'khoz. 34 no. 3:114 Mr '63.
- STATES, NEW**
Bankruptcy of the colonial system and some legal problems relating to international recognition and succession. D. I. Fel'dman, M. Kh. Farukshin. Izv. vys. ucheb. zav.; prav. 8 no. 2:115-123 '62.
- STATES, NEW—FOREIGN ECONOMIC RELATIONS—WHITE RUSSIA**
Cooperation of the White Russian S. S. R. with underdeveloped countries. S. D. Vaitovich. Vestn. AN BSSR. Ser. hram. nav. no. 1:129-133 '63.
- STATES, NEW—POLITICS**
Communists are genuine patriots of their countries. A. Iskenderov. Az. i Afr. seg. no. 4:14-17 Ap '63.
The national and colonial question today. K. Ivanov. Mezhdunar. zhizn' 10 no. 5:2-13 My '63.
- STATESMEN**
People and politics. B. Andrianov and others. Mir. ekon. i mezhdunar. otn. no. 4:132-137 '63.
People and politics. E. Berninger. Mir. ekon. i mezhdunar. otn. no. 2:131-134 '63.
- STATIC FREQUENCY CHANGES** see Frequency multipliers
- STATICS**
Doroshkevich, A. M. [Introduction to theoretical mechanics; statics] Vvedenie v teoreticheskuyu mekhaniku; statika. Uchebnoe posobie. Moskva, Mosk. poligr. in-t, 1962, 141 p. [MICROFILM]
- STATISTICAL MECHANICS**
Fisher, I. Z. [Statistical theory of liquids] Statisticheskaya teoriya zhidkostei. [The U. S. S. R. in figures in 1962; brief statistical abstract] SSSR v tsifrakh v 1962 godu; kratkii statisticheskiy sbornik. Moskva, Gosstatizdat, 1963, 350 p.
- STATISTICS**
Russia (1923- U. S. S. R.) Tsentral'noe statisticheskoe upravlenie. [The U. S. S. R. in figures in 1962; brief statistical abstract] SSSR v tsifrakh v 1962 godu; kratkii statisticheskiy sbornik. Moskva, Gosstatizdat, 1963, 350 p.
- STATUETTES** see subdivision under Orenburg Province
- STAVROPOL—CONSTRUCTION INDUSTRY—MANAGEMENT**
Economics Institute staffed with volunteers. M. Miza. Ekon. stroi. no. 4:60-61 Ap '63.
- STAVROPOL—WOMEN IN PUBLIC LIFE**
She is trying to relieve the plight of "strangers." P. Fedorovskii. Sov. deput. trud. no. 4:71-73 Ap '63.
- STAVROPOL REGION—EARTH TEMPERATURE**
Kissin, I. G. [Underground thermal conditions in Stavropol'] Podzemnoe teplo Stavropolia. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1962, 34 p. [MICROFILM]
- STAVROPOL REGION—THERMAL WATERS**
Kissin, I. G. [Underground thermal conditions in Stavropol'] Podzemnoe teplo Stavropolia. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1962, 34 p. [MICROFILM]
- STAVROPOL TERRITORY—AGRICULTURAL WORKERS—EDUCATION AND TRAINING**
Young land managers. V. Vanterko. Komsom. zhini' no. 6:20-31 Mr '63.
- STAVROPOL TERRITORY—EROSION**
Suffosion. M. D. Chernovalov. Priroda 52 no. 3:118 '63.
- STAVROPOL TERRITORY—MILKING MACHINES—MAINTENANCE AND REPAIR**
Repairing station for milking units. A. Kononov. N. Bloor. Tekh. v sel'khoz. 23 no. 1:63-64 Ja '63.
- STAVROPOL TERRITORY—VERTEBRATES**
Roznik, P. A. [Guide to the vertebrates of Stavropol Territory] Opredelitel' pozvonochnykh zhivotnykh Stavropol'skogo kraia. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1962, 72 p. [MICROFILM]
- STEAM**
Experimental study of the solubility of borie acid in saturated steam. D. G. Tskhvirashvili. Trudy Inst. energ. AN Gruz. SSR 10:63-66 '62.
Possibility of the presence of hydrazine in the steam of boilers. IU. M. Kostrikin, N. M. Kalidina. Teploenergetika 10 no. 8:17-18 Mr '63.
- STEAM-BOILER INSPECTION** see Boiler inspection
- STEAM BOILERS, MARINE** see Boilers, Marine
- STEAM ENGINES**
Application of the similitude theory to the study of the thermal processes of road locomotives. B. Kh. Dzag'nov. Trudy MIT no. 139:270-271 '61.
Steam-operated machine; 200th anniversary of I. I. Polzunov's invention. A. D. Volman. Priroda 52 no. 4:111 '63.
- STEAM HEATING**
New regulations for the operation of heating boiler units. I. E. Kirillov, N. M. Balin. Bezop. truda v prom. 6 no. 9:13-14 S '62.

STEAM POWER PLANTS

Selection of optimum design parameters and networks for connecting regenerative heaters of large condensing electric power plants. L. S. Popyrin and others. *Elek. sta.* 34 no. 2:20-26 F '63.

STEAM TURBINES

Causes of unstable operation of the control valves of large steam turbines. I. U. V. Rzhiznikov, E. A. Boltsova. *Teplotnergetika* 10 no. 3:25-28 Mr '63.

Condensers of large steam turbines. L. D. Borman. *Teplotnergetika* 10 no. 3:82-87 Mr '63.

General overhaul and modernization of the blading of the VK-50-1 turbine. Sh. L. Lelzerovich. *Elek. sta.* 34 no. 2:81-84 F '63.

STEAM TURBINES, MARINE

Increasing the efficiency of power plants on merchant marine motorships. I. A. Zaitsev, S. I. A. Fishman. *Sudostroenie* 29 no. 4:20-20 Ap '63.

STEAMPIPES—CORROSION

Protection against corrosion of steam pipe systems. V. Silin. *Mina. ind. SSSR* 33 [1. c. 34] no. 2:54 '63.

STEAMPIPES—TESTING

Use of an ultrasonic flaw detection technique in checking the thinning of pipe walls. A. Z. Rakhman. *Elek. sta.* 34 no. 2:37-40 F '63.

STEAMPIPES—WELDING

Composite induction heater for thermal treatment of the welded joints of steampipes. S. S. Iakobson, L. V. Glotzer. *Elek. sta.* 34 no. 2:34-37 F '63.

STEEL

Magnetic properties of transformer steel with cubic grain-oriented structure. G. N. Kadykova, V. V. Sosnin. *Elektrichestvo* no. 3:80-83 Mr '63.

Preservation of ferrous metals. L. L. Zuevman. *Stal'* 23 no. 4:365-369 Ap '63.

Significant plastic deformations of steel in a complex state of stress. L. S. Andreev. *Nauch. trudy Tbil. gor. inst.* no. 3:55-58 '61.

STEEL—BRITTLENESS

Creation of highly plastic localizers of brittle fractures. V. I. Kotelchikov, N. F. Lashko. *Avtom. svar.* 10 no. 3:13-20 Mr '63.

Effect of a slow cooling of rails on the cold brittleness of rail steel. N. S. Artemenko. *Vest. TSNII MFS* 22 no. 1:59-61 '63.

STEEL—CORROSION

Corrosion resistance of chromium steel in water and steam with critical parameters. V. V. Gerasimov, A. I. Gromova, A. A. Babulin. *Teplotnergetika* 10 no. 3: 22-25 Mr '63.

STEEL—ELECTRIC PROPERTIES

Magnetic and electric properties of annealed and deformed steel 20. M. N. Mikhnev, V. M. Morozova, L. V. Pomortseva. *Fiz. met. i metalloved.* 15 no. 3: 343-346 Mr '63.

STEEL—ELECTROMETALLURGY

(see also subdivision under Zaporozh'ye)
Making electric steel using liquid pig iron. I. A. Labonets and others. *Stal'* 23 no. 4:323-325 Ap '63.

Sokolov, A. N. [Rapid smelting of steel in electric-arc furnaces] *Skorochnyye plavki stali v dugovykh elektropetchakh. Izd. 2., perer. i dop.* Moskva, Mashgiz, 1963. 271 p.

[MICROFILM]

STEEL—FATIGUE

Drainor, D. A., and G. I. Val'chuk. [Effect of wear on the fatigue strength of steel considering the scale factor] *Villanie iznosha na ustalostnuu prochnost' stali s uchodom mashinnoy faktora. Kiev, Izd-vo Akad. nauk USSR, 1962. 110 p.*

STEEL—HARDENING

Hardening by heat treatment of low-carbon steels. V. S. Nosov, N. F. Legkida, V. I. Imshenetskiy. *Mol. i gornorud. prom.* no. 1:25-30 Ja-F '63.

High-strength steel. D. A. Prokoshkin. *Trudy Inst. met.* no. 13:108-121 '63.

Work hardening of electric temper hardened steel. P. I. Sokolovskiy and others. *Fiz. met. i metalloved.* 15 no. 3:407-470 Mr '63.

STEEL—HEAT TREATMENT

Braun, M. P., and B. B. Vinokur. [Low-alloy and high-strength steels and their use in machine construction] *Makologovani i vysokomestani stali ta ikh zastosuvanni v mashinobuduvanni. Kyiv, Vyd-vo Akad. nauk URSS, 1960. 78 p. diagrs., tables. (RBP)*

High-temperature treatment as a means for increasing the productivity of thermal and chemical heat treatment processes. M. M. Mikhaylov and others. *Izv. AN Uz. SSR. Ser. tekhn. nauk* 7 no. 2:55-63 '63.

Improving and perfecting procedures for the heat treatment and forging of DI-1 steel. V. S. Pakulova, A. A. Khudon'kikh, A. S. Barikhin. *Stal'* 23 no. 4:558-300 Ap '63.

STEEL—INCLUSIONS

Vinograd, M. I. [Inclusions in steel and its properties] *Vklucheniya v stali i ee svoystva. Moskva, Metallurgizdat, 1963. 252 p.*

STEEL—MAGNETIC PROPERTIES

Magnetic and electric properties of annealed and deformed steel 20. M. N. Mikhnev, V. M. Morozova, L. V. Pomortseva. *Fiz. met. i metalloved.* 15 no. 3: 343-346 Mr '63.

STEEL—METALLOGRAPHY

Changes in the carbide phase of steel under the effect of cold plastic deformation. Part 4: Carbide transformations at the third stage of tempering of low-tempered, cold-deformed steel. M. V. Belous, V. T. Cherepin. *Fiz. met. i metalloved.* 15 no. 2:215-221 F '63.

Effect of texture on X-ray intensity and the character of deformations at yield points in low-carbon steel. D. M. Vasil'ev, V. P. Plakhtii. *Fiz. met. i metalloved.* 15 no. 2:287-300 F '63.

Fine crystal structure of cold-deformed, high-carbon steel. V. M. Kardonskiy, G. V. Kurdiunov, M. D. Perkash. *Fiz. met. i metalloved.* 15 no. 2:244-253 F '63.

High temperature X-ray study of intermediate transformation of austenite in carbon steel. V. G. Permiakov, A. V. Belotskiy, F. G. Petrosian. *Fiz. met. i metalloved.* 15 no. 3:334-338 Mr '63.

Investigating the intragranular structure of austenitic steel following failure during creep. V. I. Syreishchikov, V. V. Levitin. *Fiz. met. i metalloved.* 15 no. 3: 352-356 Mr '63.

Studying the kinetics of secondary recrystallization in transformer steel. B. G. Livshits, V. I. Novikov. *Fiz. met. i metalloved.* 15 no. 3:458-461 Mr '63.

Substructure of austenitic steel. I. D. Kedrin. *Fiz. met. i metalloved.* 15 no. 2:309-311 F '63.

Vinograd, M. I. [Inclusions in steel and its properties] *Vklucheniya v stali i ee svoystva. Moskva, Metallurgizdat, 1963. 252 p.*

STEEL—METALLURGY

(see also subdivision under Krasnoyarsk Territory)
Exothermic materials with chromium and manganese for alloying steel in the ladle. K. N. Risapal, A. S. Dubrovina. *Stal'* 23 no. 4:315-320 Ap '63.

Experiments on the conversion of phosphorus pig iron in a pilot plant oxygen converter. E. M. Ogryzkin. *Met. i gornorud. prom.* no. 1:13-18 Ja-F '63.

Investigating causes of metal spilling from converters during the blow. I. U. S. Reshetnik. *Met. i gornorud. prom.* no. 1:22-24 Ja-F '63.

Kinetics of oxidizing processes in basic steel smelting baths. A. I. Stroganov. *Stal'* 23 no. 4:308-314 Ap '63.

Koshkin, A. P. [Journey of a steel strip] *Puteshestvie stali' no' lenty. [Lipetsk, Lipetskoe knizhnoe izd-vo, 1962.] 30 p.*

[MICROFILM]

Miroshnichenko, N. S. [Oxygen-converter production of steel] *Kislородno-konvertornoe proizvodstvo stali. Moskva, Metallurgizdat, 1963. 38 p.*

Scientific research carried out in 1962 at the Institute of Gas Utilization of the Academy of Sciences of the Ukrainian S. S. R. A. N. Dobrokhov. *Met. i gornorud. prom.* no. 1:57-59 Ja-F '63.

STEEL—NITROGEN CONTENT

Nitrogen in oxygen-converter steel. G. N. Kozin, L. M. Oleinikova. *Met. i gornorud. prom.* no. 1:18-22 Ja-F '63.

STEEL—SPECIFICATIONS

Change the designation of steel makes. S. N. Barakhnin. *Standartizatsiya* 27 no. 2:50-51 F '63.

STEEL—TESTING

Impact strength of steel bolts at low temperatures. N. I. Epp. *Khol. tekhn.* 40 no. 2:51-52 Mr-Apr '63.

STEEL—WELDING

Application of the UONI-13 electrodes for welding different types of steel. E. A. Anis, N. P. Il'enko. *Khim. mashinostr.* no. 2:38-39 Mr-Apr '63.

Kerosene or gasoline-oxygen welding of steel. P. Koltunov, I. U. Nekrasov. *Tekhn. v sel'khoz.* 23 no. 1:56-59 Ja '63.

Revealing the macro- and microstructure of weld joints between steel and aluminum. A. V. Nikitina, V. R. Rakhov, D. M. Rakhin. *Avtom. svar.* 16 no. 4:83-85 Ap '63.

Welding nickel with low-carbon and stainless steels. K. V. Bagrianskiy, G. S. Kuz'min, N. N. Tokil. *Avtom. svar.* 16 no. 3:70-72 Mr '63.

STEEL, HEAT-RESISTANT

Vorob'ev, V. G. [Theory of heat resistance. Heat resistant steels and alloys] *Teoriya zharoprochnosti. Zharoprochnyye stali i splovy; lektsiya dlia studentov mashinostroitel'nykh vuzov, izuchalushchikh kurs "Metallovedenie i termicheskaya obrabotka." i studentov metallurgicheskogo fakul'teta, izuchalushchikh kurs "Termicheskaya obrabotka." Moskva, Gos. izd-vo "Vysshaya shkola," 1961. 74 p.*

[MICROFILM]

STEEL, HEAT-RESISTANT—METALLURGY

Refining of heat-resistant Cr-Mo-V steel with small additions of cerium. L. P. Trusov, V. I. Kumanin. *Lit. proizv.* no. 4:34-37 Ap '63.

STEEL, GALVANIZED

Effect of low-melting metal coatings on the mechanical properties of structural and stainless steels. I. A. M. Ditiakovskiy, I. V. Andreev, V. F. Gorshkov. *Fiz. met. i metalloved.* 15 no. 3:435-438 Mr '63.

STEEL, STAINLESS—WELDING

Corrosion resistance of stainless steel pipe welded by the argon-arc method. E. I. U. Chemadurova, G. N. Iakovleva. *Avtom. svar.* 16 no. 3:56-61 Mr '63.

Stability of welded joints in 25-5 type ferrite-austenite steel against zone cracking. I. A. Zaks. *Avtom. svar.* 16 no. 3:21-27 Mr '63.

STEEL, STRUCTURAL

Akademiya stroitel'stva i arkhitektury SSSR. Institut po stroitel'stvu, Sverdlovsk. [Progressive metal elements for industrial construction] *Progressivnye metallicheskie konstruktsii dlia promyshlennogo stroitel'stva. [By] V. I. Labzenko i dr. Pod red. V. I. Labzenko i R. S. Florova. Moskva, Gosstroizdat, 1963. 183 p.*

Corrosion resistance of the steel elements of ferrous metallurgy enterprises. V. Flaks. *Prom. stroit. i inzh. soor.* 5 no. 2:24-28 Mr-Apr '63.

STEEL, STRUCTURAL—HARDENING

Methods of increasing the strength of structural steels and alloys. L. K. Gordienko. *Trudy Inst. met.* no. 13: 84-86 '63.

STEEL, STRUCTURAL—HEAT TREATMENT

Possibility of renouncing the normalizing of structures made by means of electric slag welding. I. U. A. Sterenbogen, A. M. Makara. *Avtom. svar.* 16 no. 2:10-16 F '63.

STEEL, STRUCTURAL—METALLURGY

Production of St. 5ps semikilled steel for concrete reinforcements. L. A. Alim and others. *Stal'* 23 no. 4:320-321 Ap '63.

STEEL, STRUCTURAL—STANDARDS

Revision of the standard for bridge steel. E. S. Volokh-vinskaya, N. P. Shepavov. *Standartizatsiya* 27 no. 2: 18-22 F '63.

STEEL, STRUCTURAL—WELDING

Yield limits of welded structures made of M16C steel. V. I. Trufiakov. *Avtom. svar.* 16 no. 2:17-25 F '63.

STEEL ALLOYS

Viaznikov, N. F. [Alloyed steel] *Legirovannaya stal'. Moskva, Metallurgizdat, 1963. 271 p.*

STEEL ALLOYS—WELDING

Arc welding of high-alloy ferritic steels. N. I. Kakhovskiy, D. V. Didebulidze. *Avtom. svar.* 16 no. 4:85-88 Ap '63.

Radio-graphic study of carbon transfer in the fusion zone. L. S. Livshits, L. P. Bakhrakh. *Avtom. svar.* 16 no. 3: 80-93 Mr '63.

STEEL CASTINGS

Increasing the wear resistance of steel castings. *Lit. proizv.* no. 4:37-38 Ap '63.

STEEL CASTINGS—DEFECTS

Semenchenko, I. B. [Control of gas porosities in steel castings; from experience acquired by the Chelyabinsk Machinery Plant] *Bor'ba s gazovoi poristost'iu stali'nykh otливok; iz opyta raboty Cheliabinskogo mekhanicheskogo zavoda. [Cheliabinsk] Cheliabinskoe knizhnoe izd-vo, 1962. 46 p.*

[MICROFILM]

Use of undulated surfaces for the control of hot cracking in steel castings. I. A. I. Shkennik, A. I. Batsyhev. *Lit. proizv.* no. 4:1-3 Ap '63.

STEEL FORGINGS

Improved procedure for the manufacture of 1Kh21N5T steel rings. P. K. Teterin, V. P. Luk'yanov, E. N. Karova, Kuz. -shtam, proizv. 5 no. 3:13-16 Mr '63.

STEEL INDUSTRY see subdivision under Cuba; Donetsk; Magnitogorsk; Novokuznetsk

STEEL INDUSTRY—MANAGEMENT

(see also subdivision under Donetsk Economic region; Ukraine)

Rabin'kil, B. I. A. [Planning and the economic of metallurgical plants] *Planirovaniye i ekonomika metallurgicheskikh zavodov. Izd. 3. perer. i dop. Moskva, Metallurgizdat, 1963. 754 p.*

STEEL INGOTS

Antipenko, G. I., I. A. E. Kaplanskiy, and A. D. Grabel'skiy. [Pouring electrical steel; from practices of the "Dnepropetral'" Plant] *Razliyka elektrostali; opyt zavoda "Dnepropetral'". Khar'kov, Metallurgizdat, 1962. 35 p.*

Basic criteria of the thermal process in producing ingots using the Chokhrat'skiy method. P. K. Konakov, V. A. Smirnov, G. E. Verevchikov. *Trudy MIT* no. 139: 210-217 '61.

- STEEL INGOTS (Continued)**
Increasing the plasticity of OKh23N18 and Kh23N18 steel ingots by hot deformation. E. I. Moshkevich and others. Kuz.-shtam, proizv. 5 no. 4:18-19 Ap '63.
- STEEL INGOTS—DEFECTS**
Correcting defects trapped in ingots of heat-resistant alloys during high temperature upsetting. M. V. Rastogayev. Kuz.-shtam, proizv. 5 no. 4:19-21 Ap '63.
Defects in manganese-aluminum steel slabs. N. I. Sandler and others. Met. i gornorud. prom. no. 1:62-66 Ja-F '63.
- STEEL INGOTS—METALLOGRAPHY**
Terminology and classification of primary crystallization zones in castings. N. K. Ipatov. Lit. proizv. no. 4:45-48 Ap '63.
- STEEL INGOTS—TESTING**
Ultrasonic testing of uncleaned surfaces of R18 steel. B. A. Pribylovskii, L. A. Rimbinskaya, L. I. Belker. Stal' 23 no. 4:364 Ap '63.
- STEEL PIPE** see Pipe, Steel
- STEELWORKERS** see Iron and steel workers
- STEELWORKS** see Iron and steel plants
- STEERING GEAR**
Make steering boosters available to pushed and sectional barge trains. A. Vasil'ev. Rech. transp. 22 no. 4:24-25 Ap '63.
- STELE (ARCHAEOLOGY)** see subdivision under Egypt
- STEL'MAKH, MYKHAILO PANASOVYCH**
Burlial, Ruril. [Mykhailo Stel'makh; a literary portrait] Mykhailo Stel'makh; literaturnyi portret. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962, 123 p. (CaOTU)
- STENDHAL, pseud.** see Bayle, Marie Henri, 1783-1842
- STEPMOTHERS**
I love you, dear children. Ivan Kireichyk. Rab. i stal. 39 no. 4:8-9 Ap '63.
- STEPPE FLORA** see subdivision under Streletskoye Steppe Preserve
- STEPPIES** see subdivision under Kokchetav Province
- STEREOCHEMISTRY**
Computation of the rotation of optically active organomercury compounds and the stereochemistry of the addition of mercury salts to olefins. V. I. Sokolov, O. A. Reutov. Dokl. AN SSSR 149 no. 4:887-870 F '63.
- STEREOTYPING**
New type-high planer for treating flat stereotypes. V. F. Dobrofeev. Trudy NII Poligrafmash, no. 17:3-11 '62.
- STEREOTYPING—EQUIPMENT AND SUPPLIES**
Determining the parameters of equipment for the manufacture of plastic stereotypes. V. F. Dobrofeev, Trudy NII Poligrafmash, no. 17:27-29 '62.
Machines for the depth processing of flat stereotypes. V. F. Dobrofeev, Poligr. proizv. no. 3:35-37 Mr '63.
- STEROID DRUGS**
Steroid therapy of chronic liver diseases and its effect on 17-ketosteroid excretion. L. A. Zherebtsov. Sov. med. 26 no. 1:30-37 Ja '63.
- STERIODS**
Amount of 17-ketosteroids in 24-hour urine during mud therapy of brucellosis patients at the Muzyl'dy Health Resort. A. D. Trug. Trudy Inst. kraev. pat. AN Kazakh, S. S. R. 11:175-179 '62.
Detection of steroids and triterpenoids by means of aldehydes [with summary in English]. V. D. Ponomarev, Zhur. anal. khim. 18 no. 1:137-140 Ja '63.
- STERIODS—MICROBIOLOGY**
Microbiological transformations of steroids. Report No. 2: Reduction of 17a, 21-dihydroxy-20-keto steroids by means of Actinomyces albus 3006, Leonid M. Kogan and others. Izv. AN SSSR, Otd. khim. nauk no. 2:328-332 F '63.
- STILBENE CRYSTALS—SPECTRA**
Luminescence polarization in stilbene single crystals as dependent on the wavelength of the radiation at the temperature of liquid nitrogen. V. I. Gribkov, N. D. Zhevandrov, E. I. Chebotareva. Izv. AN SSSR, Ser. fiz. 27 no. 4:515-518 Ap '63.
- STOCK AND STOCKBREEDING**
(see also subdivision under Adamovka region; Kungrad District; Kurday District; Moscow Province; Taldom District; Tselinograd Province; Ukraine; Valki District)
How the size of stockbreeding and its relation to fruit and berry growing affects the economic efficiency of fruit and berry growing state farms in the central regions of the U. S. S. R. I. F. Gorbach. Dokl. TSKHA no. 88:155-160 '61.
Mallukov, A. N. [Biophysics and animal husbandry] Biologika i zhivotnovodstvo, Moskva, Izd-vo "Znanie," 1963, 28 p. (Novoe v zhizni, nauke, tekhnike, V Serii: Sel'skoe khozjaistvo, no. 7)
- Provide stockbreeders with a knowledge of economics. M. Belenozov. Bibliotekar' no. 2:55-56 F '63.
Use of biochemical preparations in stockbreeding. V. N. Bukin. Vest. AN SSSR 33 no. 4:22-37 Ap '63.
Vajakikh, A. S., ed. [Animal husbandry] Zhivotnovodstvo, Moskva, Sel'khozgiz, 1959, 477 p. (DNAL)
- STOCK AND STOCKBREEDING—ABSTRACTS**
[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. nos. 3, 9-10 F, My '63.
- STOCK AND STOCKBREEDING—BIBLIOGRAPHY** see Bibliography—Stock and stockbreeding
- STOLBY PRESERVE**
Stolby Preserve, A. G. Bannikov. Priroda 52 no. 4:85-89 '63.
- STOMACH—CANCER**
Autopsy data on stomach cancer in patients of eighty and older. G. A. Rodionov. Klin. khir. no. 5:67-68 My '62.
Case of stomach sarcoma in childhood. A. G. Markelova. Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:60-63 '61.
The problem of stomach sarcoma. T. Kh. Khasanov. Med. zhur. Uzb. no. 8:21-24 Ag '62.
- STOMACH—DISEASES**
Diagnosis of isolated lymphogranulomatosis of the stomach. A. M. Berdykev. Zdrav. Turk. 7 no. 2:25-27 F '63.
Shilov, P. I., and L. I. Kazbinskov. [Functional diagnosis of stomach diseases] Funktsional'naya diagnostika zabolovani zheludka, Leningrad, Medgiz, 1963, 259 p. (DNLM)
- STOMACH—INFLAMMATION**
Effect of Ayak-Kalkan water on stomach secretion and its use for the treatment of gastritis patients. N. G. Prikhodchenko. Trudy Inst. kraev. pat. AN Kazakh, S. S. R. 11:64-75 '62.
Use of Barlyk-Arasan mineral water in the treatment of patients suffering from chronic gastritis. N. G. Prikhodchenko. Trudy Inst. kraev. pat. AN Kazakh, S. S. R. 11:46-57 '62.
- STOMACH—INNERVATION**
Changes in the nervous apparatus of the stomach in experimental peptic ulcer. V. V. Shvalov and others. Dokl. AN SSSR 149 no. 3:703-706 Mr '63.
Role of the adrenal glands in developing interceptive reflexes from the stomach on the ascorbic acid content of the blood and the absorptive capacity of blood proteins. L. I. Mamedova. Dokl. AN Azerb. SSR 19 no. 1:59-62 '63.
- STOMACH—SECRECTIONS**
Change in the secretory and motor functions of the stomach during the influence of natural and detoured naphthalen. S. S. Baladzheva. Shor. nauch. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:52-65 '59.
Effect of Alma arasan mineral water on the secretory function of the stomach when used internally; experimental study. N. G. Prikhodchenko. Trudy Inst. kraev. pat. AN Kazakh, S. S. R. 11:58-63 '62.
Effect of Isslu mineral water on the secretory and evacuative functions of the stomach. A. M. Gadzhiev. Shor. nauch. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:66-68 '59.
Effect of Sirab mineral water on the secretory function of the stomach. M. S. Kasimov. Shor. nauch. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:71-76 '59.
Function of the stomach and intermediary metabolism in children. S. I. Ignatov. Pediatrits 41 [L. o. 42] no. 2:41-45 F '63.
Secretory function of gastric glands under different conditions of muscular activity. T. I. Sviatun. Vrach. delo no. 3:138-140 Mr '63.
- STOMACH—ULCERS**
Late results of suturing perforating gastric ulcer in elderly patients. K. A. Tsybyrne. Trudy Kish. gos. med. inst. 12:49-52 '60.
Perforating gastric ulcers in elderly persons. I. U. V. Astrozhnikov. Trudy Kish. gos. med. inst. 12:45-48 '60.
- STOMATOLOGY**
(see also subdivision under Great Britain; Kalinin; Kirov Province; Leningrad; Mari A. S. S. R.; Sumy Province; Volodga Province; Yaroslavl Province)
Analysis of patients' visits and therapeutic work in the therapeutic section of a stomatologic polyclinic. T. T. Shkoliar and others. Stomatologiya 41 no. 5:25-29 S-O '62.
Characteristics of postoperative care of patients in the stomatological department. L. N. Sheldiaeva. Med. sestra 21 no. 10:44 O '62.
Paresthesia of the oral cavity and its treatment. L. I. Serdiukova. Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:185-190 '61.
- Significance of the statistical analysis of the results of scientific stomatologic studies. A. A. Prokhanchukov. Stomatologiya 41 no. 5:32-36 S-O '62.
Submucosal injection of penicillin in the oral cavity. I. A. I. Gutner. Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 3:171-175 '61.
"Theory and practice of stomatology." Reviewed by A. S. Rabinovich. Stomatologiya 41 no. 5:102-104 S-O '63.
Use of vitamins P and C in stomatological practice. P. P. Limareva. Stomatologiya 41 no. 5:8-9 S-O '62.
- STONE—TESTING**
Methods for large-scale tests of stone for tension and shear. Z. A. Atagortain. Stroim. 8 no. 3:23-39 Mr '63.
- STONE—TRANSPORTATION**
Trailer for the removal of stones. E. Matisona. Tekh. v sel'khoz. 23 no. 1:40-41 Ja '63.
- STONE, ARTIFICIAL**
"Arbolit" in a good-quality building material. B. I. Nov. NTO 5 no. 3:50 Mr '63.
Concrete without cement. I. U. I. Aralov. Nauka i zhizn 12 no. 2:34 F '63.
- STONE, CRUSHED—DRYING**
Using a trough feeder and a vibrating spat for dehydrating crushed stone. V. D. Ivanov. Stroim. 8 no. 3:25 Mr '63.
- STONE AGE** see subdivision under Asia, Central; Dolostor Valley; Egypt; Europe; Greece; Pechora Valley
- STONE CUTTING—EQUIPMENT AND SUPPLIES**
"Manual on safety measures for operators of stone-cutting machines" by L. S. Makulin. Reviewed by G. S. Iablonskii. Itozop. truda v prom. 7 no. 4:30 Ap '63.
- STONE FRUIT—VARIETIES** see subdivision under Moldavia
- STONE IMPLEMENTS** see subdivision under Australia
- STONY TUNGUSKA VALLEY** see Podkamennaya Tunguska Valley
- STOPING (MINING)**
Studying the stoping rate in developing vein deposits. A. F. Nozarchik, V. V. Chudakov. Nauch. soch. IGU 11:36-47 '61.
- STOPING (MINING)—EQUIPMENT AND SUPPLIES**
Unified methodology of determining the economic efficiency of new technology in stoping. A. A. Belinovskii. Ugol' 30 no. 4:48-51 Ap '63.
- STORAGE BATTERIES—MAINTENANCE AND REPAIR**
Garasov, S. M. [Maintenance and repair of storage batteries] Eksploataatsia i remont akkumulyatornykh baterii; posobie akkumulyatorshchiku. Izd. 2, perer. Moskva, Avtotransizdat, 1963, 70 p.
- STORAGE TUBES**
High-speed intermediate storage circuit on tunnel diodes. A. A. Ivanov, L. A. Matalin, Prib. i tekhn. eksp. 8 no. 2:81-85 Mr-Ap '63.
- STORE FIXTURES**
Store interiors. I. Grigor'eva. Sov. tovg. 36 no. 2:40-51 F '63.
- STORE FIXTURES—TECHNOLOGICAL INNOVATIONS** see subdivision under Alma-Ata
- STORES, RETAIL** see subdivision under Volgograd
- STORIES** see Fables
- STRAIN GAUGES**
Improving strain-measuring circuit used in mines. A. Sh. Katsnel'son. Izv. tekhn. no. 3:23 Mr '63.
Mass measurements of characteristics of power units by means of deformation pickups. V. I. Sabolev. Izv. tekhn. no. 8:30-32 Ag '62.
Some features of using wire transducers under high hydrostatic pressures. I. U. D. Mazur-Pizkurilovskii. [Trudy] VNIMI no. 45:299-309 '62.
- STRAINS AND STRESSES**
Approximative methods of determining the stress state of an elastic rock mass in which circular shafts have been driven. A. S. Kosmodamianskii. [Trudy] VNIMI no. 45:180-193 '62.
Bulging of perforate membranes under tensile stress. G. P. Chereponov. Prikl. mat. i mekh. 27 no. 2:275-286 Mr-Ap '63.
Changes in the physical properties of metals under the effect of cyclic stress. V. S. Ivanova, I. K. Gordienko. Trudy Inst. met. no. 13:20-23 '63.
Determining the fields of stresses and velocities engendered by the insertion of a rigid plane stamp into a plastic medium. L. S. Agamirzian. Trudy GPI [Gruz.] no. 6:103-112 '61.
Distribution of stresses in irregularly shaped specimens in determining the hardness of rocks under pressure. R. Krapil, K. Lauffer. Ugol' 30 no. 4:58-60 Ap '63.

STRAINS AND STRESSES (Continued)

- Dynamic reaction of the length of the rail-tie skeleton during lifting.** Vest. TSNII MPS 22 no. 1:61-62 '63.
- Effect of constant stretching stresses on corrosion fatigue in a monocrystalline homogeneous state of stress.** N. I. Kharitonov, P. I. Tsoi. Nauch. trudy Tul. gor. inst. no. 3:117-120 '61.
- Effect of physical nonlinearity of the material on stress concentration around holes [with summary in English].** H. M. Savin, Prikl. mekh. 9 no. 1:11-23 '63.
- Interrelation of the two fundamental problems in the theory of flow allowing for residual microstrains.** I. U. Kadashvili. Prikl. mat. i mekh. 27 no. 2:378-379 Mr-Apr '63.
- Metal life under the effect of steady and alternating stresses.** I. E. Kurov, V. A. Stepanov. Fiz. met. i metalloved. 15 no. 3:419-427 Mr '63.
- Method for measuring ultrasonic stresses in transparent bodies.** V. F. Kazantsev, Akust. zhur. 9 no. 2:236-238 '63.
- Nature of applied stress in the drawing of intricately shaped parts.** I. U. P. Kazakov, L. A. Rubenkova, Kuz. - shum. proizv. 6 no. 3:17-19 Mr '63.
- Propagation of thermal stresses in an elastoplastic rod.** I. U. P. Suvorov, Prikl. mat. i mekh. 27 no. 2:383-389 Mr-Apr '63.
- Some fundamental regularities in static strength variation at the points of stress concentration.** G. V. Uzhik, P. P. Koshelev. Dokl. AN SSSR 148 no. 4:786-788 F '63.
- Stress state of a rock massif which has been weakened by a large number of square workings.** A. S. Kosmodamianskii. [Trudy] VNIMI no. 45:194-203 '62.
- Study of the stress state of an interlayer with coaxial and noncoaxial arrangement of pillars.** A. I. Surkov, V. D. Belikov. [Trudy] VNIMI no. 45:310-314 '62.
- Theoretical study of stresses in an elastic anisotropic massif near an elliptical underground working.** S. G. Lekhnitskii. [Trudy] VNIMI no. 45:155-170 '62.
- Theory of diffusion viscous flow of polycrystalline bodies [with summary in English].** I. M. Lifshits, Zhur. eksp. i teor. fiz. 44 no. 4:1340-1367 Ap '63.
- Yield limits of welded structures made of M16C steel.** V. I. Trufilov. Avtom. svar. 16 no. 2:17-25 F '63.
- Zucov, B. M.** [Some problems arising in the study of stresses by the optical method using three-dimensional models] Nekotorye voprosy issledovaniia napriazhenii na ob'emykh modelyakh opticheskim metodom. Kazan, 1959. 22 p. (Akademiia nauk SSSR. Kazanskii filial. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk. Trudy, no. 2)

STRAINS AND STRESSES—MEASUREMENTS

- Measurement of deformations with the UIM-21 microscope for evaluating residual stresses in the surface layer of parts.** O. A. Zherebkin. Izv. tekh. no. 3:17-18 Mr '63.
- Measurement of the magnitude of stresses by imprints.** B. O. Kononov. Vest. mashinost. 43 no. 4:60-61 Ap '63.

STRAKHOV, NIKOLAI VASIL'EVICH, 1892-

Seventieth birthday of N. V. Strakhov. Za ruk. 20 no. 6: 7 My '62.

STRATIGRAPHIC GEOLOGY see Geology, Stratigraphic

STRATIGRAPHIC PALEONTOLOGY see Paleontology, Stratigraphic

STRAUSS, RICHARD, 1864-1949

Roland, Romani. [Richard Strauss and Romani Rolland: a correspondence. Translated from the French.] Richard Strauss i Romani Rolland; perepiska, vyderzhki iz dnevnika, Moskva, Gos. muzykal'noe izd-vo, 1960. 214 p. (Iz arkhiva Romani Rollana, no. 9) (NNC)

STRAVINSKI, IGOR' FEDOROVICH, 1882-

Igor' Stravinskii in the Soviet Union. A. Afonina. Sov. muz. 27 no. 1:123-125 Ja '63.

Letter to the editor, Igor Markevitch. Sov. muz. 27 no. 4:100 Ap '63.

STRAWBERRIES

Early diagnosis of the coloration in strawberries. T. S. Fadeeva. Nauch. dokl. vuz. shkoly: biol. nauki no. 2: 156-170 '63.

STRAWBERRY BREEDING

Inheritance of the sex type flower in F₁ of intervarietal crosses in the cultivated strawberry *Fragaria ananassa* Duch. [with summary in English]. M. P. Solntseva. Bot. zhur. 48 no. 2:182-191 F '63.

STREAM MEASUREMENTS see subdivision under Hydrology

STREET NAMES see subdivision under Moscow

STREETCARS

Analysis of methods of controlling rectified voltage on busbars of traction substations. A. A. Trofimov. Sbor. nauch. rab. AKKH no. 13:80-92 '62.

Automation of the traction substations of streetcars and trolley buses. N. M. Kulikovskaya, V. P. Magnichkina, A. I. Iakovlev. Sbor. nauch. rab. AKKH no. 13:93-104 '62.

Choosing a power supply system for the contact networks of street cars and trolley buses. D. K. Tomil'novich. Sbor. nauch. rab. AKKH no. 13:3-11 '62.

Methods of making electric computations for the power supply system of streetcars and trolley buses with parallel feed to the contact network. D. K. Tomil'novich, A. G. Smirnov. Sbor. nauch. rab. AKKH no. 13: 25-48 '62.

Pulse circuit for protection against small short-circuit currents. D. K. Buzatli. Sbor. nauch. rab. AKKH no. 13: 59-63 '62.

Sectional protection with parallel functioning of the sections of a contact network. N. E. Nikol'skaya. Sbor. nauch. rab. AKKH no. 13:64-79 '62.

Study of protection against small short-circuit currents. D. K. Buzatli, D. K. Tomil'novich. Sbor. nauch. rab. AKKH no. 13:49-58 '62.

Using a three-wire power supply system for streetcars. A. G. Smirnov. Sbor. nauch. rab. AKKH no. 13:18-24 '62.

Work conditions of traction transmission on streetcars. A. I. Iakovlev, A. N. Maksimov. Sbor. nauch. rab. AKKH no. 13:119-137 '62.

STREETCARS—TESTING

Testing new streetcars and trolley buses. A. I. Iakovlev, I. S. Sviridenko, M. I. Aksenov. Sbor. nauch. rab. AKKH no. 13:138-146 '62.

STRELETSKOYE STEPPE PRESERVE—STEPPE FLORA

Characteristics of buds in some plants of the Streletskeye Steppe Preserve [with summary in English]. M. I. Paderesvskaya. Bot. zhur. 48 no. 2:102-108 F '63.

STRELKOV, SERGEI SEMENOVICH, 1900-1992

Sergei Semenovich Strelkov; obituary. Torf. prom. 40 no. 2:35 '63.

STRENGTH OF MATERIALS

Some fundamental regularities in static strength variation at the points of stress concentration. G. V. Uzhik, P. P. Koshelev. Dokl. AN SSSR 148 no. 4:788-788 F '63.

Strength of cleavage whiskers of lithium fluoride crystals. V. I. Fridman, A. A. Shpunt. Fiz. tver. tela 5 no. 3:700-707 Mr '63.

Tensile test for crystal chips ("cleavage whiskers"). V. I. Fridman, A. A. Shpunt. Fiz. tver. tela 5 no. 3: 703-708 Mr '63.

STRENGTH OF MATERIALS—CONGRESSES

Conference on Fatigue Strength. P. P. Mikhaev. Avtom. svar. 16 no. 2:80-90 F '63.

STREPTOCOCCAL INFECTIONS

Changes in the organs of experimental animals caused by the introduction of β -hemolytic streptococcal culture and homologous homogenate of a connective tissue [with summary in English]. L. V. Beletskaya, I. M. Liampert. Vop. revm. 1 no. 3:25-31 Ji-S '61.

Etiologic and microbiological diagnosis of protracted septic endocarditis. N. V. Zhuravskaya. Trudy MONIKI no. 8:50-66 '62.

Pathogenesis of streptococcal infections. Report No. 2: Study of the pathogenicity of streptococcal forms in ovocultures isolated from children in an active phase of rheumatism, during an experiment on animals. S. N. Khoditskaya, A. F. Toronenko. Trudy MONIKI no. 5:42-49 '62.

STREPTOCOCCUS

Antibodies against homologous heart tissue in the sera of animals immunized by streptococcus [with summary in English]. I. M. Liampert and others. Vop. revm. 3 no. 1:3-10 Ja-Mr '63.

Characterization of hemocultures of streptococci isolated from lupus erythematosus patients. N. V. Zhuravskaya. Trudy MONIKI no. 5:67-83 '62.

Pathomorphological changes in the heart of rabbits during immunization with homologous tissues in conjunction with killed streptococcus [with summary in English]. A. S. Kaplanskii, G. V. Orlovskaya, A. A. Tustanovskii. Vop. revm. 1 no. 2:3-9 Ap-Je '61.

Transgalactosylase activity of *Streptococcus lactis* [with summary in English]. S. I. Novikova. Biokhimiia 28 no. 1:13-17 Ja-F '63.

STREPTOMYCIN

Combined treatment in lupus tuberculosis with phthalazide, streptomycin and vitamin D-2. I. N. Agapkin. Sov. med. 20 no. 1:123-128 Ja '63.

Experimental study of streptomycin electrophoresis in suppurative inflammatory diseases. N. A. Barsukov. Sov. med. 20 no. 1:129-133 Ja '63.

Relapse of tuberculous meningitis in children treated with streptomycin [in Armenian with summary in Russian]. T. Kh. Akhundova. Azerb. med. zhur. no. 2: 21-27 F '62.

STRESS (PHYSIOLOGY)

Left ventricle overstrain syndrome in healthy subjects [with summary in English]. A. G. Dambo and others. Kardiologiya 2 no. 3:70-77 My-Je '62.

Myocardial infarcts following physical overstrain [with summary in English]. M. A. Gurevich. Kardiologiya 2 no. 3:30-36 My-Je '62.

Stress and rheumatic diseases [with summary in English]. H. Selye, E. Bajusz. Vop. revm. 1 no. 2:8-19 Ap-Je '61.

STRIKES AND LOCKOUTS

(see also subdivision under Franco; Greece)

Struggle of the proletariat in the countries of fully developed capitalism. Kommunist 40 no. 7:118-128 My '63.

STRIKES AND LOCKOUTS—COAL MINERS see subdivision under France

STRIKES AND LOCKOUTS—METALWORKERS see subdivision under Germany, West

STRING QUARTET see subdivision under Czechoslovakia

STRIP MINING

(see also subdivision under Sverdlovsk Province)

Calculating the width of the mass of broken rock resulting from blasting benches in pits. I. V. Glauer. Ugol' 38 no. 4:28-29 Ap '63.

Choosing an annual operating schedule in planning open-pit mining and large-scale earthmoving operations. V. V. Rzhavskii, N. A. Malyshova. Sbor. trud. MISI no. 30:37-40 '61.

"Deep open-pit mines" by M. G. Novozhilov, V. G. Selianin, and A. E. Trop. Reviewed by F. P. Sofronov and others. Gor. zhur. no. 4:77-78 Ap '63.

Determining an efficient depth for a pit. M. L. Rudakov. [Trudy] VNIMI no. 45:100-105 '62.

Problems of science and industry in developing open-pit mines. N. V. Mel'nikov. Sbor. trud. MISI no. 39:9-21 '61.

Some results of observations of the effect of blasting on the stability of pit sides. I. A. Agu. [Trudy] VNIMI no. 45:106-112 '62.

STRIP MINING—COLD WEATHER CONDITIONS

Controlling congelation of coals, ores, and ground in strip mining. D. A. Braun. Sbor. trud. MISI no. 39: 476-477 '61.

STRIP MINING—EQUIPMENT AND SUPPLIES

(see also subdivision under Czechoslovakia; Germany, East; Karpathian region)

Dynamic processes in the operations of machines for construction and strip mining and comprehensive methods of studying them. S. A. Pankratov. Sbor. trud. MISI no. 30:160-180 '61.

Ways of resolving basic problems in the theory, design, and production of new equipment for large-scale earthwork and open-pit mining. N. G. Dombrovskii. Sbor. trud. MISI no. 39:5-8 '61.

THE STROGANOV FAMILY

Vvedenskii, A. A. [The House of Stroganovs in the 16th and 17th centuries] Dom Stroganovykh v XVI-XVII vekakh. Moskva, Sotssekgiz, 1962. 306 p.

STRONTIUM SELENITE—THERMODYNAMIC PROPERTIES

Thermodynamic properties of strontium selenite. N. M. Selivanova, Z. L. Leshchinskaya, Zhur. neorg. khim. 8 no. 3:563-568 Mr '63.

STRUCTURAL FRAMES

Equipment for erecting steel and heavy reinforced-concrete frameworks of industrial buildings. A. Z. Tsifrinovich. Sbor. trud. MISI no. 39:472-473 '61.

Nedumov, N. V. [Design of statically determined frames] Raschet staticheski opredelmykh ram. Moskva, Mos. Aviat'sionnyi in-tim. Sergo Ordzhonikidze, 1962. 112 p.

Sablin, V. I. [Formulas and tables for computing a single-span frame with columns of stopped and variable section] Formuly i tablitsy dlia rascheta odnoproletnoi rany so stolkami stupenchato-peremennogo sечeniiia; posobie dlia kursovogo i diplomnogo proektirovaniia. Novosibirsk, Novosibirskii in-t zhel-dor. transporta, 1962. 51 p. [MICROFILM]

STRUCTURAL FRAMES—WELDING

"Welded combination structures" by N. O. Okerblom. Reviewed by G. V. Raevskii. Avtom. svar. 16 no. 2: 87-88 F '63.

Welding angles to junction plates. V. I. Novikov. Avtom. svar. 16 no. 2:26-33 F '63.

STRUCTURAL STEEL see Steel, Structural

STRUCTURES, THEORY OF

Torsion and bending and buildings during undermining. R. A. Muller. [Trudy] VNIMI no. 45:143-154 '62.

STUDENT ACTIVITIES

(see also subdivision under Czechoslovakia; Minsk; United States; Uzbekistan)

Conservation of nature in the service of agriculture. S. D. Babishkin. Biol. v shkole no. 2:68-70 Mr-Apr '63.

Friends of a boarding school. M. Iul'n. Shkola-int. no. 1:36-38 Ja-F '63.

Participation of students in the preservation and attraction of birds. N. I. Bobrikov. Biol. v shkole no. 2:70-71 Mr-Apr '63.

Student participation in the conservation of nature. L. I. Vinnichenko. Biol. v shkole no. 2:71 Mr-Apr '63.

STEEL INGOTS (Continued)

Increasing the plasticity of OKh23N18 and Kh23N18 steel ingots by hot deformation. E. I. Moshkevich and others. Kuz.-shtam, proizv. 5 no. 4:18-19 Ap '63.

STEEL INGOTS—DEFECTS

Correcting defects trapped in ingots of heat-resistant alloys during high temperature upsetting. M. V. Rastegaev. Kuz.-shtam, proizv. 5 no. 4:18-21 Ap '63.
Defects in manganese-aluminum steel slabs. N. I. Sandier and others. Met. i gornorud. prom. no. 1:62-66 Ja-F '63.

STEEL INGOTS—METALLOGRAPHY

Terminology and classification of primary crystallization zones in castings. N. K. Ipatov. Lit. proizv. no. 4:45-48 Ap '63.

STEEL INGOTS—TESTING

Ultrasonic testing of uncleaned surfaces of R18 steel. B. A. Pribylovskii, L. A. Ribinskaya, L. I. Belker. Stal' 23 no. 4:364 Ap '63.

STEEL PIPE see Pipe, Steel

STEELWORKERS see Iron and steel workers

STEELWORKS see Iron and steel plants

STEERING GEAR

Make steering boosters available to pushed and sectioned at barge trains. A. Vasil'ev. Rech. i transp. 22 no. 4:24-25 Ap '63.

STELE (ARCHAEOLOGY) see subdivision under Egypt

STEL'MAKH, MYKHAILO PANASOVYCH

Burial, Yuri. [Mykhailo Stel'makh; a literary portrait] Mykhailo Stel'makh; literaturnyi portret. Kyiv, Derzh. vyd-vo khudozh. lit-ry, 1962. 123 p. (CaOTU)

STENDHAL, pseud. see Bayle, Marie Henri, 1783-1842

STEPMOTHERS

I love you, dear children. Ivan Kireichyk. Rab. i stal. 39 no. 4:8-9 Ap '63.

STEPPE FLORA see subdivision under Streletskeye Steppe Preserve

STEPPIES see subdivision under Kokchetav Province

STEREOCHEMISTRY

Computation of the rotation of optically active organomercury compounds and the stereochemistry of the addition of mercury salts to olefins. V. I. Sokolov, O. A. Reutov. Dokl. AN SSSR 148 no. 4:887-870 F '63.

STEREOTYPING

New type-high planer for treating flat stereotypes. V. F. Dorofeev. Trudy NIIPoligrafmash. no. 17:3-11 '62.

STEREOTYPING—EQUIPMENT AND SUPPLIES

Determining the parameters of equipment for the manufacture of plastic stereotypes. V. F. Dorofeev. Trudy NIIPoligrafmash. no. 17:27-69 '62.
Machines for the depth processing of flat stereotypes. V. F. Dorofeev. Poligr. proizv. no. 3:35-37 Mr '63.

STEROID DRUGS

Steroid therapy of chronic liver diseases and its effect on 17-ketosteroid excretion. L. A. Zherabitsov. Sov. med. 26 no. 1:30-37 Ja '63.

STEROIDS

Amount of 17-ketosteroids in 24-hour urine during mud therapy of brucellosis patients at the Muzaly Health Resort. A. D. Trug. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:175-178 '62.
Detection of steroids and triterpenoids by means of aldehydes [with summary in English]. V. D. Ponomarev. Zhur. anal. khim. 18 no. 1:137-140 Ja '63.

STEROIDS—MICROBIOLOGY

Microbiological transformations of steroids. Report No. 2: Reduction of 17 α , 21-dihydroxy-20-keto steroids by means of Actinomyces albus 3006. Leonid M. Kogan and others. Izv. AN SSSR, Otd. khim. nauk no. 2:328-332 F '63.

STILBENE CRYSTALS—SPECTRA

Luminescence polarization in stilbene single crystals as dependent on the wavelength of the radiation at the temperature of liquid nitrogen. V. I. Grikov, N. D. Zhevanov, E. I. Chebotareva. Izv. AN SSSR, Ser. fiz. 27 no. 4:515-518 Ap '63.

STOCK AND STOCKBREEDING

(see also subdivision under Adamovka region; Kungur District; Kurday District; Moscow Province; Taldom District; Tselinograd Province; Ukraine; Valki District)

How the size of stockbreeding and its relation to fruit and berry growing affects the economic efficiency of fruit and berry growing state farms in the central regions of the U. S. S. R. I. F. Gorbach. Dokl. TSKHA no. 68:155-160 '61.

Mel'nikov, A. N. [Biophysics and animal husbandry] Bi fizika i zhivotnovodstvo. Moskva, Izd-vo "Znanie," 1963. 28 p. (Novoe v zhizni, nauke, tekhnika. V Seria: Sol'skoe khoz. i stvo, no. 7)

Provide stockbreeders with a knowledge of economics. M. Belenozov. Bibliotekar' no. 2:55-56 F '63.

Use of biochemical preparations in stockbreeding. V. N. Bukin. Vest. AN SSSR 33 no. 4:22-37 Ap '63.

Vslakikh, A. S., ed. [Animal husbandry] Zhivotnovodstvo. Moskva, Sel'khozgiz, 1959. 477 p. (DNAL)

STOCK AND STOCKBREEDING—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. nos. 3, 9-10 F, My '63.

STOCK AND STOCKBREEDING—BIBLIOGRAPHY see Bibliography—Stock and stockbreeding

STOLBY PRESERVE

Stolby Preserve. A. G. Bannikov. Priroda 52 no. 4:85-89 '63.

STOMACH—CANCER

Autopsy data on stomach cancer in patients of eighty and older. G. A. Rodionov. Klin. khir. no. 5:67-69 My '62.

Case of stomach sarcoma in childhood. A. G. Markelova. Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:60-63 '61.

The problem of stomach sarcoma. T. Kh. Khasanov. Med. zhur. Uzb. no. 8:21-24 Ag '62.

STOMACH—DISEASES

Diagnosis of isolated lymphogranulomatosis of the stomach. A. M. Boryshev. Zdrav. Turk. 7 no. 2:25-27 F '63.

Shilov, P. I., and L. I. Kazbintsev. [Functional diagnosis of stomach diseases] Funktsional'naya diagnostika zabolovanii zheludka. Leningrad, Medgiz, 1963. 269 p. (DNLM)

STOMACH—INFLAMMATION

Effect of Ayak-Kalkan water on stomach secretion and its use for the treatment of gastritis patients. N. G. Prikhodchenko. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:64-75 '62.

Use of Barlyk-Arasan mineral water in the treatment of patients suffering from chronic gastritis. N. G. Prikhodchenko. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:40-57 '62.

STOMACH—INNERVATION

Changes in the nervous apparatus of the stomach in experimental peptic ulcer. V. V. Shvayev and others. Dokl. AN SSSR 149 no. 3:703-706 Mr '63.

Role of the adrenal glands in developing interceptive reflexes from the stomach on the ascorbic acid content of the blood and the absorptive capacity of blood proteins. L. I. Mamedova. Dokl. AN Azerb. SSR 19 no. 1:56-62 '63.

STOMACH—SECRETIONS

Change in the secretory and motor functions of the stomach during the influence of natural and dewatered naphthalene. S. S. Baladzhaeva. Shor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:52-65 '63.

Effect of Alma arasan mineral water on the secretory function of the stomach when used internally; experimental study. N. G. Prikhodchenko. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:58-63 '62.

Effect of Istisu mineral water on the secretory and evacuative functions of the stomach. A. M. Gadzhiev. Shor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:68-69 '63.

Effect of Sirab mineral water on the secretory function of the stomach. M. S. Kasimov. Shor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 3:71-78 '63.

Function of the stomach and intermediary metabolism in children. S. I. Ignatov. Pediatria 41 [1:42] no. 2:41-45 F '63.

Secretory function of gastric glands under different conditions of muscular activity. T. I. Svistun. Vrach. delo no. 3:138-140 Mr '63.

STOMACH—ULCERS

Late results of suturing perforating gastric ulcer in elderly patients. K. A. Tsybyrne. Trudy Kish. gos. med. inst. 12:40-52 '60.

Perforating gastric ulcers in elderly persons. I. U. V. Astrozhnikov. Trudy Kish. gos. med. inst. 12:45-48 '60.

STOMATOLOGY

(see also subdivision under Great Britain; Kalinin; Kirov Province; Leningrad; Mari A. S. S. R.; Smolensk Province; Vologda Province; Yaroslavl Province)

Analysis of patients' visits and therapeutic work in the therapeutic section of a stomatologic polyclinic. T. T. Shkoliar and others. Stomatologiya 41 no. 5:25-29 S-O '62.

Characteristics of postoperative care of patients in the stomatological department. L. N. Shel'dikova. Med. sestra 21 no. 10:44 O '62.

Paresthesia of the oral cavity and its treatment. L. I. Serdikova. Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:185-190 '61.

Significance of the statistical analysis of the results of scientific stomatologic studies. A. A. Prokhorchikov. Stomatologiya 41 no. 5:32-36 S-O '62.

Submucosal injection of penicillin in the oral cavity. I. A. I. Gutner. Shor. nauch.-prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:171-175 '61.

"Theory and practice of stomatology." Reviewed by A. S. Rabinovich. Stomatologiya 41 no. 5:102-104 S-O '62.

Use of vitamins P and C in stomatological practice. P. P. Limareva. Stomatologiya 41 no. 5:6-9 S-O '62.

STONE—TESTING

Methods for large-scale tests of stone for tension and shear. Z. A. Atsagortzian. Stroim. mat. 9 no. 3:20-30 Mr '63.

STONE—TRANSPORTATION

Trailer for the removal of stones. E. Matianov. Tekh. v sel'khoz. 23 no. 1:40-41 Ja '62.

STONE, ARTIFICIAL

"Arbolit" is a good-quality building material. D. L'vov. NTO 5 no. 3:50 Mr '63.

Concrete without cement. I. U. Iartov. Nauka i zhizn 12 no. 2:34 F '63.

STONE, CRUSHED—DRYING

Using a trough feeder and a vibrating spoon for dehydrating crushed stone. V. D. Ivanov. Stroim. mat. 9 no. 3:25 Mr '63.

STONE AGE see subdivision under Asia, Central; Danter Valley; Egypt; Europe; Greece; Pechora Valley

STONE CUTTING—EQUIPMENT AND SUPPLIES

"Manual on safety measures for operators of stone-cutting machines" by I. S. Makulin. Reviewed by G. S. Iablonskii. Bezop. truda v prom. 7 no. 4:30 Ap '63.

STONE FRUIT—VARIETIES see subdivision under Moldavia

STONE IMPLEMENTS see subdivision under Australia

STONY TUNGUSKA VALLEY see Podkamennaya Tunguska Valley

STOPING (MINING)

Studying the stoping rate in developing vein deposits. A. F. Nazarchik, V. V. Chudakov. Nauch. soob. IGU 11:36-47 '61.

STOPING (MINING)—EQUIPMENT AND SUPPLIES

Unified methodology of determining the economic efficiency of new technology in stoping. A. A. Balmovich. Ugol' 38 no. 4:440-61 Ap '63.

STORAGE BATTERIES—MAINTENANCE AND REPAIR

Garasov, S. M. [Maintenance and repair of storage batteries] Eksploataatsia i remont akkumulyatornykh batarei; posobie akkumulyatorshchika. Izd. 2, perer. Moskva, Avtotransizdat, 1963. 70 p.

STORAGE TUBES

High-speed intermediate storage circuit on tunnel diodes. A. A. Ivanov, L. A. Matalin. Prib. i tekhn. eksp. 3 no. 2:81-85 Mr-Apr '63.

STORE FIXTURES

Store interiors. I. Grigor'eva. Sov. tovg. 36 no. 2:40-51 F '63.

STORE FIXTURES—TECHNOLOGICAL INNOVATIONS

see subdivision under Alma-Ata

STORES, RETAIL see subdivision under Volgograd

STORIES see Fables

STRAIN GAUGES

Improving strain-measuring circuit used in mines. A. Sh. Katenol'son. Izv. tekhn. no. 3:23 Mr '63.

Mass measurements of characteristics of power units by means of deformation pickups. V. I. Bobolev. Izv. tekhn. no. 5:30-32 Ag '62.
Some features of using wire transducers under high hydrostatic pressures. E. I. D. Mazur-Bizurlovskii. [Trudy] VNIMI no. 45:289-300 '62.

STRAINS AND STRESSES

Approximate methods of determining the stress state of an elastic rock massif in which circular shafts have been driven. A. S. Kosmodamianskii. [Trudy] VNIMI no. 45:180-193 '62.

Bulging of perforate membranes under tensile stress. G. P. Cherapanov. Prikl. mat. i mekh. 27 no. 2:275-286 Mr-Apr '63.

Changes in the physical properties of metals under the effect of cyclic stress. V. S. Ivanova, L. K. Gordienko. Trudy Inst. met. no. 13:20-63 '63.

Determining the fields of stresses and velocities engendered by the insertion of a rigid plane stamp into a plastic medium. L. S. Agamirzian. Trudy GPI [Gruz] no. 6:103-112 '61.

Distribution of stresses in irregularly shaped specimens in determining the hardness of rocks under pressure. R. Krapil, K. Lauffer. Ugol' 38 no. 4:50-60 Ap '63.

STRAINS AND STRESSES (Continued)

Dynamic reaction of the length of the rail-tie skeleton during lifting. Vest. TSNI MTS 22 no. 1:61-62 '63.

Effect of constant stretching stresses on corrosion fatigue in a monoaxial homogeneous state of stress. N. I. Kharitonov, P. I. Tsoi. Nauch. trudy Tul. gor. inst. no. 3:117-120 '61.

Effect of physical nonlinearity of the material on stress concentration around holes [with summary in English]. H. M. Savin. Prikl. mekh. 9 no. 1:11-23 '63.

Interrelation of the two fundamental problems in the theory of flow allowing for residual microstrains. I. I. Kodashevich. Prikl. mat. i mekh. 27 no. 2:378-379 Mr-Apr '63.

Metal life under the effect of steady and alternating stresses. I. E. Kurov, V. A. Stepanov. Fiz. met. i metalloved. 15 no. 3:410-427 Mr '63.

Method for measuring ultrasonic stresses in transparent bodies. V. F. Kazantsev. Akust. zhur. 9 no. 2:230-238 '63.

Nature of applied stress in the drawing of intricately shaped parts. I. U. P. Kazakov, L. A. Rubenkov. Kuz. - stam. prozv. 5 no. 3:17-19 Mr '63.

Propagation of thermal stresses in an elastoplastic rod. I. U. P. Suvorov. Prikl. mat. i mekh. 27 no. 2:303-309 Mr-Apr '63.

Some fundamental regularities in static strength variation at the points of stress concentration. G. V. Uzhik, P. F. Koshelev. Dokl. AN SSSR 148 no. 4:786-789 F '63.

Stress state of a rock massif which has been weakened by a large number of square workings. A. S. Kosmodamianski. [Trudy] VNIMI no. 45:194-203 '62.

Study of the stress state of an interlayer with coaxial and noncoaxial arrangement of pillars. A. I. Surkov, V. D. Belikov. [Trudy] VNIMI no. 45:310-314 '62.

Theoretical study of stresses in an elastic anisotropic massif near an elliptical underground working. S. G. Lekhnitski. [Trudy] VNIMI no. 45:155-170 '62.

Theory of diffusion viscous flow of polycrystalline bodies [with summary in English]. I. M. Lifshits. Zhur. eksp. i teor. fiz. 44 no. 4:1340-1367 Ap '63.

Yield limits of welded structures made of M16C steel. V. I. Trufilov. Avtom. svar. 16 no. 2:17-25 F '63.

Zuev, B. M. [Some problems arising in the study of stresses by the optical method using three-dimensional models] Nekotorye voprosy issledovaniya napryazhenii na ob'ektykh modelnykh opticheskikh metodom. Kazan, 1959. 22 p. (Akademiya nauk SSSR. Kazanski filial. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk. Trudy, no. 2)

STRAINS AND STRESSES—MEASUREMENTS

Measurement of deformations with the UIM-21 microscope for evaluating residual stresses in the surface layer of parts. O. A. Zherebkin. Izv. tekhn. no. 3:17-18 Mr '63.

Measurement of the magnitude of stresses by imprints. B. O. Konovalov. Vest. mashinost. 43 no. 4:60-61 Ap '63.

STRAKHOV, NIKOLAI VASIL'EVICH, 1892-
Seventieth birthday of N. V. Strakhov. Za rul. 20 no. 6: 7 My '62.

STRATIGRAPHIC GEOLOGY see Geology, Stratigraphic

STRATIGRAPHIC PALEONTOLOGY see Paleontology, Stratigraphic

STRAUSS, RICHARD, 1864-1949

Rolland, Romani. [Richard Strauss and Romani Rolland; a correspondence. Translated from the French] Richard Strauss i Romani Rolland; perepiska, vydorzhki iz dnevnika, Moskva, Gos. muzykal'noe izd-vo, 1950, 214 p. (iz arkhiva Romani Rollana, no. 3) (NNC)

STRAVINSKI, IGOR' FEDOROVICH, 1882-

Igor' Stravinski in the Soviet Union. A. Afonina. Sov. muz. 27 no. 1:123-125 Ja '63.

Letter to the editor, Igor' Markovitch. Sov. muz. 27 no. 4:100 Ap '63.

STRAWBERRIES

Early diagnosis of the coloration in strawberries. T. S. Fadeeva. Nauch. dokl. vys. shkoly; biol. nauki no. 2: 169-170 '63.

STRAWBERRY BREEDING

Inheritance of the sex type flower in F₁ of intervarietal crosses in the cultivated strawberry *Fragaria ananassa* Duch. [with summary in English]. M. P. Solntseva. Bot. zhur. 48 no. 2:182-191 F '63.

STREAM MEASUREMENTS see sub-division under Kirghizstan

STREET NAMES see sub-division under Moscow

STREETCARS

Analysis of methods of controlling rectified voltage on busbars of traction substations. A. A. Trofimov. Sbor. nauch. rab. AKKH no. 13:80-92 '62.

Automation of the traction substations of streetcars and trolley buses. N. M. Kulikovskaya, V. P. Magnichkina, A. I. Akovlev. Sbor. nauch. rab. AKKH no. 13:93-104 '62.

Choosing a power supply system for the contact networks of street cars and trolley buses. D. K. Tomlinovich. Sbor. nauch. rab. AKKH no. 13:3-11 '62.

Methods of making electric computations for the power supply system of streetcars and trolley buses with parallel feed to the contact network. D. K. Tomlinovich, A. G. Smirnov. Sbor. nauch. rab. AKKH no. 13: 25-48 '62.

Pulse circuit for protection against small short-circuit currents. D. K. Buzetli. Sbor. nauch. rab. AKKH no. 13: 59-63 '62.

Sectional protection with parallel functioning of the sections of a contact network. N. E. Nikol'skaya. Sbor. nauch. rab. AKKH no. 13:64-70 '62.

Study of protection against small short-circuit currents. D. K. Buzetli, D. K. Tomlinovich. Sbor. nauch. rab. AKKH no. 13:49-58 '62.

Using a three-wire power supply system for streetcars. A. G. Smirnov. Sbor. nauch. rab. AKKH no. 13:19-24 '62.

Work conditions of traction transmission on streetcars. A. I. Akovlev, A. N. Maksimov. Sbor. nauch. rab. AKKH no. 13:110-137 '62.

STREETCARS—TESTING

Testing new streetcars and trolley buses. A. I. Akovlev, I. S. Sviridenko, M. I. Aksenov. Sbor. nauch. rab. AKKH no. 13:138-146 '62.

STRELETSKOYE STEPPE PRESERVE—STEPPE FLORA

Characteristics of buds in some plants of the Streletskoye Steppe Preserve [with summary in English]. M. I. Poderevskaya. Bot. zhur. 48 no. 2:102-109 F '63.

STRELKOV, SERGEI SEMENOVICH, 1900-1962

Sergei Semenovich Strelkov; obituary. Torf. prom. 40 no. 2:35 '63.

STRENGTH OF MATERIALS

Some fundamental regularities in static strength variation at the points of stress concentration. G. V. Uzhik, P. F. Koshelev. Dokl. AN SSSR 148 no. 4:786-789 F '63.

Strength of cleavage whiskers of lithium fluoride crystals. V. I. Fridman, A. A. Shpunt. Fiz. tver. tela 5 no. 3:700-797 Mr '63.

Tensile test for crystal chips ("cleavage whiskers"). V. I. Fridman, A. A. Shpunt. Fiz. tver. tela 5 no. 3: 783-789 Mr '63.

STRENGTH OF MATERIALS—CONGRESSES

Conference on Fatigue Strength. P. P. Mikhnev. Avtom. svar. 16 no. 2:89-90 F '63.

STREPTOCOCCAL INFECTIONS

Changes in the organs of experimental animals caused by the introduction of β -hemolytic streptococcal culture and homologous homogenate of a connective tissue [with summary in English]. L. V. Boletskaya, I. M. Liampert. Vop. revm. 1 no. 3:25-31 J1-S '61.

Etiology and microbiological diagnosis of protracted aseptic endocarditis. N. V. Zhuravskaya. Trudy MONKI no. 5:50-66 '62.

Pathogenesis of streptococcal infections. Report No. 2: Study of the pathogenicity of streptococcal forms in ovohemocultures isolated from children in an active phase of rheumatism, during an experiment on animals. S. N. Klonitskaya, A. F. Toronenko. Trudy MONKI no. 5:42-49 '62.

STREPTOCOCCUS

Antibodies against homologous heart tissue in the sera of animals immunized by streptococcus [with summary in English]. J. M. Liampert and others. Vop. revm. 3 no. 1:3-10 Ja-Mr '63.

Characterization of hemocultures of streptococci isolated from lupus erythematosus patients. N. V. Zhuravskaya. Trudy MONKI no. 5:67-83 '62.

Pathomorphological changes in the heart of rabbits during immunization with homologous tissues in conjunction with killed streptococcus [with summary in English]. A. S. Kaplanakli, G. V. Orlovskaya, A. A. Tsutanovskii. Vop. revm. 1 no. 2:3-9 Ap-Je '61.

Transgalactosylase activity of *Streptococcus lactis* [with summary in English]. S. I. Novikova. Biokhimiya 28 no. 1:13-17 Ja-F '63.

STREPTOMYCIN

Combined treatment in lupus tuberculosis with phthivazide, streptomycin and vitamin D-2. I. N. Agapkin. Sov. med. 26 no. 1:123-126 Ja '63.

Experimental study of streptomycin electrophoresis in suppurative inflammatory diseases. N. A. Barsukov. Sov. med. 26 no. 1:120-133 Ja '63.

Relapse of tuberculous meningitis in children treated with streptomycin [in Armenian with summary in Russian]. T. Kh. Akhundova. Azerb. med. zhur. no. 2: 21-27 F '62.

STRESS (PHYSIOLOGY)

Left ventricle overstrain syndrome in healthy subjects [with summary in English]. A. G. Dembo and others. Kardiologiya 2 no. 3:70-77 My-Je '62.

Myocardial infarcts following physical overstrain [with summary in English]. M. A. Gurevich. Kardiologiya 2 no. 3:30-36 My-Je '62.

Stress and rheumatic diseases [with summary in English]. H. Selye, E. Bajusz. Vop. revm. 1 no. 2:9-19 Ap-Je '61.

STRIKES AND LOCKOUTS

(see also sub-division under France; Greece)

Struggle of the proletariat in the countries of fully developed capitalism. Kommunist 40 no. 7:116-128 My '63.

STRIKES AND LOCKOUTS—COAL MINERS see sub-division under France

STRIKES AND LOCKOUTS—METALWORKERS see sub-division under Germany, West

STRING QUARTET see sub-division under Czechoslovakia

STRIP MINING

(see also sub-division under Sverdlovsk Province)

Calculating the width of the mass of broken rock resulting from blasting benches in pits. I. V. Glauer. Ugol' 38 no. 4:26-28 Ap '63.

Choosing an annual operating schedule in planning open-pit mining and large-scale earthmoving operations. V. V. Rzhavskii, N. A. Malyshova. Sbor. trud. MISI no. 30:37-49 '61.

"Deep open-pit mines" by M. G. Novozhilov, V. G. Seliagin, and A. E. Trop. Reviewed by E. P. Sofronov and others. Gor. zhur. no. 4:77-78 Ap '63.

Determining an efficient depth for a pit. M. L. Rudakov. [Trudy] VNIMI no. 45:100-105 '62.

Problems of science and industry in developing open-pit mines. N. V. Mel'nikov. Sbor. trud. MISI no. 30:9-21 '61.

Some results of observations of the effect of blasting on the stability of pit sides. I. A. Agu. [Trudy] VNIMI no. 45:108-112 '62.

STRIP MINING—COLD WEATHER CONDITIONS

Controlling congelation of coals, ores, and ground in strip mining. D. A. Braun. Sbor. trud. MISI no. 30: 470-477 '61.

STRIP MINING—EQUIPMENT AND SUPPLIES

(see also sub-division under Czechoslovakia; Germany, East; Karpinsk region)

Dynamic processes in the operations of machines for construction and strip mining and comprehensive methods of studying them. S. A. Pankratov. Sbor. trud. MISI no. 30:166-180 '61.

Ways of resolving basic problems in the theory, design, and production of new equipment for large-scale earthwork and open-pit mining. N. G. Dombrovskii. Sbor. trud. MISI no. 30:5-8 '61.

THE STROGANOV FAMILY

Yvedenskii, A. A. [The House of Stroganovs in the 16th and 17th centuries] Dom Stroganovykh v XVI-XVII vekakh. Moskva, Sozsekgiz, 1962. 308 p.

STRONTIUM SELENITE—THERMODYNAMIC PROPERTIES

Thermodynamic properties of strontium selenite. N. M. Selivanova, Z. L. Leashinskaya. Zhur. neorg. khim. 8 no. 3:563-566 Mr '63.

STRUCTURAL FRAMES

Equipment for erecting steel and heavy reinforced-concrete frameworks of industrial buildings. A. Z. TSifrinovich. Sbor. trud. MISI no. 30:472-473 '61.

Nedumov, N. V. [Design of statically determined frames] Raschet staticheskikh opredelimykh ram. Moskva, Mosk. Aviatsonnyi in-t im. Serge Ordzhonikidze, 1962. 112 p.

Sabin, V. I. [Formulas and tables for computing a single-span frame with columns of stepped and variable section] Formuly i tablitsy dlia rascheta odnoproletnoi rany so stolkami stupenchato-peremennogo sesheniia; posobie dlia kursovogo i diplomnogo proektirovaniia. Novosibirsk, Novosibirskii in-t zhel-dor. transporta, 1962. 51 p. [MICROFILM]

STRUCTURAL FRAMES—WELDING

"Welded combination structures" by N. O. Okerblom. Reviewed by G. V. Raevskii. Avtom. svar. 16 no. 2: 87-88 F '63.

Welding angles to junction plates. V. I. Novikov. Avtom. svar. 16 no. 2:26-33 F '63.

STRUCTURAL STEEL see Steel, Structural

STRUCTURES, THEORY OF

Torsion and bending and buildings during undermining. R. A. Muller. [Trudy] VNIMI no. 45:143-154 '62.

STUDENT ACTIVITIES

(see also sub-division under Czechoslovakia; Minsk; United States; Uzbekistan)

Conservation of nature in the service of agriculture. S. D. Babishkin. Biol. v shkole no. 2:58-70 Mr-Apr '63.

Friends of a boarding school. M. Iulin. Shkola-int. no. 1:36-39 Ja-F '63.

Participation of students in the preservation and attraction of birds. N. I. Bobrikov. Biol. v shkole no. 2:70-71 Mr-Apr '63.

Student participation in the conservation of nature. L. I. Vinnichenko. Biol. v shkole no. 2:71 Mr-Apr '63.

STUDENT ACTIVITIES (Continued)

- Students build a workshop. I. Ias'kov. Shkolai proizv. 7 no. 2:45 F '63.
Students conserve nature. K. N. Blagosklonov. Biol. v shkole no. 2:66-68 Mr-Apr '63.
Take beauty with you. V. A. Lesnikov. Sred. spets. obr. 10 no. 4:41-43 Ap '63.
There is always time for a good deed. Nach. shkola 31 no. 3:95-96 Mr '63.

STUDENT EMPLOYMENT

- (see also subdivision under Vitebsk)
In summer let's go to a construction site. Komsom. zhizn' no. 6:20-21 Mr '63.
Varentsova, V. G. [Labor rights of college students and young specialists] Trudovye prava uchashchikhsia vuzov i tekhnikumov i molodykh spetsialistov. Moskva, Gos. izd-vo khrd. lit-ry, 1961. 85 p.
(InU) (MH-L)
What the future engineers contribute to production. Komsom. zhizn' no. 6:5, 6, 8-9 Mr '63.

STUDENTS

- Communist Youth League in the institutions of higher learning is a great force. Vest. vys. shkoly. 21 no. 3: 3-8 Mr '63.
A group educates activists. Komsom. zhizn' no. 6:18-21 Mr '63.
Problem of academic youth in the U.S.S.R. P. V. Fedenko. Mat. i soob. Inst. otd. nat. po izuch. SSSR no. 38/39: 118-120 O-N '62.
Who will study in colleges and universities? R. Medvedev. Mol. komm. no. 7:103-108 Jl '62.

STUDENTS, AFRICAN see subdivision under Austria

STUDENTS, FOREIGN see subdivision under Moscow

STUDY, METHOD OF

- Students' work with books. F. F. Zollinger. Sred. spets. obr. 10 no. 4:34-35 Ap '63.

STUPINO DISTRICT—AGRICULTURE—ACCOUNTING

- Introduce progressive accounting methods on collective and state farms. I. F. Roztsov. Uchet i fin. v kolhoz. i sovkhoz. 20 no. 3:16 Mr '63.

STURGEON BREEDING

- Utilization of beluga x sterlet hybrids for fishery purposes in reservoirs. N. I. Nikolukin. Ryb. khoz. 39 no. 2:32-34 '63.

STURGEONS see subdivision under Amur River; Don Valley; Tsimlyansk Reservoir

STYRENE

- Catalytic dehydrogenation of ethylbenzene to styrene on cadmium oxide in the presence of water vapors. V. A. Fersapontov, A. A. Bulandin, A. A. Tolstopyatova. Izv. AN SSSR, Otd. khim. nauk no. 3:414-423 Mr '63.
Preparation of nucleus-methylated styrenes, α -methylstyrenes, and vinylisopropylbenzene by the heterogeneous vapor-phase alkylation and dehydrogenation of aromatic hydrocarbons in a fluidized bed of oxide catalysts. I. U. G. Mamedaliev and others. Dokl. AN Azerb. SSR 10 no. 1:13-18 '63.
Relation between the structure, stabilizing action, and toxicity of the condensation products of phenol with styrene. A. I. A. Broitman and others. Plast. massy no. 4:18-22 '63.

STYRENE POLYMERS

- Carbochain polymers and copolymers. Report No. 51: Graft copolymers from aliphatic ω -hydroxycarboxylic acids and a styrene copolymer with N-(ω -carboxy-n-hexyl) methacrylamide. G. T. Gurgendze, G. S. Kolesnikov, Li Fyn-in [Li Feng-ying]. Izv. AN SSSR, Otd. khim. nauk no. 2:395-398 F '63.
High molecular-weight derivatives of α -methylstyrene. Part 3: Synthesis and properties of anion exchangers, derivatives of poly- α -methylstyrene [with summary in English]. A. B. Davankov, I. Santo, P. M. Lilo. Vysokom. soed. 5 no. 3:445-448 Mr '63.
Polymerization of metalloorganic derivatives of styrene [with summary in English]. A. M. Poliakova and others. Vysokom. soed. 5 no. 3:353-356 Mr '63.
Study of polymers by nuclear magnetic resonance. Part 3: Mobility of the macromolecules of polyhalostyrenes [with summary in English]. R. A. Abdrashitov and others. Vysokom. soed. 5 no. 3:405-411 Mr '63.
Synthesis and polymerization of derivatives of styrene. Polymers of p-chlorostyrene and 2,6-dichlorostyrene. A. V. Golubeva and others. Plast. massy no. 4:4-6 '63.

SUBMARINE BLASTING see Blasting, Submarine

SUBMARINE DIVING see Diving, Submarine

SUBMARINE GEOLOGY

- See bottom salt. N. V. Tageeva. Priroda 62 no. 3:88-100 '63.

SUBMARINE MINES see Mines, Submarine

SUBMARINE PHOTOGRAPHY see Photography, Submarine

SUBSIDENCES (EARTH MOVEMENTS)

- Effect of inertial forces, created by top subsidence, on the amount of pressure on a support. M. F. Shklyarskii. [Trudy] VNIMI no. 46:237-245 '62.

SUBSTITUTION (CHEMISTRY)

- Factors determining the nucleophilic reactivity. J. O. Edwards, R. G. Pearson. Usp. khim. 32 no. 2:248-262 F '63.
Mechanism of oxidation of cellulose ethers by oxygen. Part 15: Effect of the chain length of the substituent in aliphatic cellulose ethers on their oxidation rate [with summary in English]. M. P. Koslov and others. Vysokom. soed. 5 no. 3:424-427 Mr '63.
Mechanism of reactions involved in nucleophilic substitution at the sulfur atom in benzenesulfonyl chloride. R. V. Vizgert, E. K. Savchuk. Ukr. khim. zhur. 29 no. 3:307-314 '63.

SUBSTITUTIONS see Groups, Theory of

SUBWAYS see subdivision under Leningrad; Moscow

SUBWAYS—STANDARDS

- "Subways. Standards for design." Biol. stroit. tekhn. 20 no. 3:18-20 Mr '63.

SUCCINIC DEHYDROGENASE

- Distribution of succinic dehydrogenase, nucleic acids, and glycogen in the neurons of the spinal ganglia and motoneurons of the spinal cord in the embryos and fetuses of sheep [with summary in English]. I. Bulikis. Izv. AN Latv. SSR no. 2:105-113 '63.

SUCCINIC OXIDASE

- Histochemical study of the succinic oxidase system in certain hydroblasts. V. V. Khlebovich. Dokl. AN SSSR 148 no. 4:956-959 F '63.

SUCKER RODS

- Aliev, T. M., and others. [Teledynamometrirovaniye glubinnasosnykh skvazhin. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 101 p.
Rabinovich, A. M. [Pneumatic devices for the drive of deep pump equipment] Gidropnevmaticheskie ustroystva v prirode glubinnasosnoi ustanovki. Moskva, Gosoptekhtizdat, 1962. 98 p.

SUCROSE

- Druzhinich, I. G., Z. Bakasova, and S. A. Arbasov. [Reaction of saccharose with sodium, potassium, calcium, and magnesium] Vznimodostvie sakharozy s khloridami natriia, kalii, kal'tsiia i magnii. Frunze, Izd-vo Akad. nauk Kirgizskoi SSR, 1962. 145 p.
Effect of the perfusion rate on the cavitary and parietal hydrolysis of starch and sucrose. N. N. Iezuitova, A. M. Ugolev, I. N. Fedushina. Dokl. AN SSSR 140 no. 3: 740-749 Mr '63.

SUDAN—TECHNICAL ASSISTANCE, RUSSIAN

- The Sudanese express their gratitude. A. Kurbanov. Az. i Afr. seg. no. 4:27 Ap '63.

SUEZ CANAL

- The Suez scenario of Mr. Dulles. B. Marushkin. Mezhdunar. zhizn' 10 no. 5:85-97 My '63.

SUGAR

- Simplified method of determining sugar in wine. T. L. Parfent'eva. Trudy KIPP no. 22:383-385 '61.

SUGAR—ANALYSIS AND TESTING see subdivision under Cuba

SUGAR BEETS

- (see also subdivision under Ukraine; Zhashkov District)
Beacon light to sugar beet growers. N. Ivanov. Sel'. mekh. no. 1:10-11 Ja '63.
Complete utilization of sugar beets for the manufacture of sugar and feeds. Sakh. prom. 37 no. 3:11(171)-17(177) Mr '63.
The journal-voucher accounting system on sugar beet state farms. I. S. Chupak. Uchet i fin. v kolhoz. i sovkhoz. 20 no. 3:12-14 Mr '63.
Knowledge is the most important asset. P. Rak. Sel'. mekh. no. 1:11-12 Ja '63.
Labor productivity where comprehensive mechanization of sugar beet production is in effect. L. S. Loktev. Dokl. TSKHA no. 68:65-74 '61.
Mechanizer and master of sugar beet fields. N. Korchev. Sel'. mekh. no. 1:10 Ja '63.
Producing more costs less. A. Ushakov. Sel'. mekh. no. 1:12-13 Ja '63.

SUGAR BEETS—CLEANING

- Cleaning of sugar beets from trash on pilers. V. S. Iatsenko. Khar. prom. no. 1:16-18 Ja-Mr '63.

SUGAR BEETS—DISEASES AND PESTS see subdivision under Kamenets-Podolskiy District; Poltava Province

SUGAR BEETS—RESEARCH

- Kiev. Vsesoluznyi nauchno-issledovatel'skii institut sakharnoi promyshlennosti. [Basic conclusions of research work in 1959-1960] Osnovnye vyvody nauchno-issledovatel'skikh rabot za 1959-1960 gg. Kiev, Izd-vo UASKhN, 1962. 308 p.

SUGAR BEETS—STORAGE

- Cooling of sugar beets in surface silos by means of water spraying and ventilation. N. T. Kudriashov, A. Khelenski. Khol. tekhn. 40 no. 2:40-45 Mr-Apr '63.
Storage of sugar beets. Sakh. prom. 37 no. 3:74(214)-75(215) Mr '63.

SUGAR BEETS—THERMAL PROPERTIES

- Thermophysical indices of sugar beets. V. Z. Zhadan, M. Z. Khelenski. Sakh. prom. 37 no. 3:54(214)-56(216) Mr '63.

SUGAR BEETS—TRANSPORTATION

- Cleaning soil from truck bodies. Sakh. prom. 37 no. 3: 75(235) Mr '63.

SUGAR FACTORIES see subdivision under Bratsk; Sovetsk (Kursk Province)

SUGAR FACTORY see subdivision under Bratsk

SUGAR INDUSTRY

- Economic efficiency of the processing of sugar beets earmarked for the production of feeds. A. N. Panteleeva, A. I. Litvinenko. Sakh. prom. 37 no. 3:8(158)-11(171) Mr '63.
Let's open the way for new developments. A. P. Parkhod'ko, B. T. Millrud. Sakh. prom. 37 no. 3: 1(61)-5(165) Mr '63.

SUGAR INDUSTRY—BIBLIOGRAPHY see Bibliography—Sugar industry

SUGAR INDUSTRY—EQUIPMENT AND SUPPLIES

- From practices in the adjustment of deaerator systems. I. Lishak. Sakh. prom. 37 no. 3:33(193)-37(197) Mr '63.
Observations concerning some errors in A. P. Ponomarenko's article "Heat utilization in sugar factories." A. I. Vostokov, I. P. Lepeshkin. Sakh. prom. 37 no. 3: 38(198)-41(201) Mr '63.

SUGAR MACHINERY

- Operation of program controlled "Sagerhausen" centrifuges. Sakh. prom. 37 no. 3:74(234) Mr '63.
Turniquet for masscotte discharge. G. M. Nikolaev. Sakh. prom. 37 no. 3:50(210)-53(213) Mr '63.

SUGAR MACHINERY—CLEANING

- Cleaning of diffusion juice heaters. Sakh. prom. 37 no. 3:76(236)-77(237) Mr '63.

SUGAR MANUFACTURE

- (see also subdivision under Cuba)
Kartashov, A. K. [New methods for the purification of diffuser juices] Nove metody ochistki diffuzionnogo soka. Moskva, TSentr. int. nauchno-tekhn. informatsionn. pishchevoi promyshl., 1962. 36 p. [MICROFILM]

- Optimum temperature conditions in the diffusion process. I. D. Kot. Sakh. prom. 37 no. 3:24(164)-25(165) Mr '63.

- Some observations concerning the "Notes of the technology and economics of sugar manufacture." D. V. Gorbun'. Sakh. prom. 37 no. 3:42(202)-44(204) Mr '63.

- Tables for milk of lime. Sakh. prom. 37 no. 3:75(235)-76(236) Mr '63.

SUGAR SUBSTITUTES

- Fruit products for diabetics. Khar. prom. no. 1:83 Ja-Mr '63.

SUGARS

- Interaction between tannins, amino acids, and sugars at increased temperatures. N. I. Skobeleva, V. R. Popov. Biokhim. chisl. proizv. no. 9:185-189 '62.

SUGGESTION SYSTEMS

- (see also subdivision under Tartu)
Store fixtures for the village. S. Khamzin. Koop. Kazakh. 5 no. 11:43-45 N '62.
Throwing dust in one's eyes. A. Sokol'ski. Fin. SSSR 37 no. 4:75-78 Ap '63.
Treasure hunter. N. Vnuk. Sov. profsoyuzy 10 no. 7: 8-9 Ap '63.

SUKHOMLYN, KYRYL VASYL'OVYCH, 1886-1937

- K. V. Sukhomlyn, an outstanding party leader and political figure. A. A. Soloviova. Ukr. ist. zhur. 5 no. 2: 117-118 Mr-Apr '63.

SULAK VALLEY—EROSION

- "Sulak karst." N. I. Gavrilov, L. V. Peredel'ski. Priroda 52 no. 3:118 '63.

SULFAMATES

- Equilibria in the system calcium sulfamate - sulfamic acid - water at 25°. A. K. Mustafiev, R. T. Iakovlev. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 8:53-55 '62.

SULFAMIC ACID

- Equilibria in the system calcium sulfamate - sulfamic acid - water at 25°. A. K. Mustafiev, R. T. Iakovlev. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 8:53-55 '62.

SURGERY, OPERATIVE

Surgery in burns; a critical review of contemporary foreign literature. T. I. A. Ar'ev, Ortop., travm. i protez. 23 no. 11:76-86 N '62.

SURGERY, PLASTIC

Plastic surgery with Filatov's flap in restorative and reconstructive operations on children and juveniles [with summary in English in insert]. N. I. Butikova, Ortop., travm. i protez. 23 no. 11:40-47 N '62.

SURGICAL INSTRUMENTS AND APPARATUS

Device for rewinding surgical silk thread. S. D. Popov, O. I. Abramova, A. M. Moleshechenko. Med. sestry 21 no. 12:48-50 D '62.

Rollers for preparing slaps, the full thickness of the skin. N. A. Shubirev, Stomatologiya 41 no. 5:56-58 S-O '62.

SURGICAL PLASTER CASTS see Plaster casts, Surgical

SURGICAL SHOCK see Shock

SURKHAAN-DARYA PROVINCE—INSCRIPTIONS, ORIENTAL

Ancient inscriptions in the Castle of Zang-tapo. L. I. Al'tbaum, Oshchestestv. nauki v Uz. 7 no. 2:58-61 '63.

SURVEYING

Derivation of formulas for solving linear intersection problems. S. A. Batugin, [Trudy] VNIMI no. 45:70-73 '62.

Making wider use of mine surveying methods in oil and gas production. L. Dement'ev, Geol. nefi i gaza 7 no. 4:62-64 Ap '63.

SURVEYING—INSTRUMENTS

Rigid plumb bob for detecting the centers of hidden bench marks. V. N. Zemtsev, V. S. Troitskii, [Trudy] VNIMI no. 45:325-328 '62.

SUSLOVA, NADEZHDA PROKOF'EVNA, 1843-1913

From the unpublished letters of P. P. Erfisman to N. P. Suslova. P. V. Andreev, Sov. zdrav. 22 no. 4:64-67 '63.

SUSPENDED RAILROADS see Railroads, Suspended

SUSPENSIONS (CHEMISTRY)

Effect of some reagents on the structural and mechanical properties of askangel suspensions. I. I. Mikhdze, Trudy Inst. khim. AN Gruz. SSR 16:127-132 '62.

Electrochemical oxidation and reduction of sparingly soluble suspensions. M. A. Loshkarov, I. P. Chernobayev, Ukr. khim. zhur. 29 no. 3:287-292 '63.

Problems involved in burning water-coal suspensions. G. N. Delagin, Trudy IGI 19:122-130 '62.

Process of curing of pentaerythritol, polyvinylbutyral, and emulsion polystyrene in suspension. N. I. Gel'perlin, O. I. Podgatskaya, M. K. Dubinin, Plast. massy no. 4:31-34 '63.

Some properties of water-coal suspensions. I. V. Davydova, G. N. Delagin, Trudy IGI 19:131-137 '62.

Study of the visco-elastic properties of concentrated askangel suspensions. A. I. Avarklaeva, M. E. Shishnia-shvili, Trudy Inst. khim. AN Gruz. SSR 16:151-158 '62.

SUTURES

Expediency of buried sutures in the secondary treatment of skull and brain wounds (experimental and clinical observations). L. I. Nikeshin, Kaz. med. zhur. no. 5: 24-27 S-O '62.

Late results of suturing perforating gastric ulcer in elderly patients. K. A. Tsybyrno, Trudy Kish. gos. med. inst. 12:40-52 '60.

Late results of the application of a nerve suture following a combat injury of an extremity [with summary in English]. V. L. Kachaev, Vrach. delo no. 3:71-75 Mr '63.

Use of linen thread in surgery as suture and ligature material. V. V. Semerdzhian, Med. sestry 21 no. 12: 50-51 D '62.

Use of threads and fabric from polyamide resins in the surgery of peripheral nerves [with summary in English]. N. B. Chibukmakher, A. M. Tsinkin, Vrach. delo no. 3:75-80 Mr '63.

SVERDLOVSK—BOTANICAL SOCIETIES

Activities of the Sverdlovsk branch of the All-Union Botanical Society in 1957-1962. P. L. Gorchakovskii, A. T. Mokrensov, Bot. zhur. 48 no. 2:308-309 F '63.

SVERDLOVSK—EDUCATION, COMPULSORY

Concern of a district for compulsory education. E. Red'skina, Nar. obr. no. 4:30-31 Ap '63.

SVERDLOVSK—EDUCATION, COOPERATIVE

Production training of students in Sverdlovsk. E. K. Prostokishin, Shkola i proizv. 7 no. 4:56-57 Ap '63.

SVERDLOVSK—ELECTRIC POWER PLANTS

Start of a 200 Mw. block in the electric power system of Sverdlovsk. G. D. Bukhman and others, Elek. sta. 34 no. 2:2-7 F '63.

SVERDLOVSK—MACHINERY INDUSTRY

Korepanov, B. [Zone of the blue flame] Zona golubogo ognia. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1962. 46 p.

[MICROFILM]

SVERDLOVSK—MACHINERY INDUSTRY—MANAGEMENT

Spirit of the times. IU, Demin. Polt. samobor. 7 no. 3:57-63 Mr '63.

SVERDLOVSK—VOCATIONAL GUIDANCE

Production training of students in Sverdlovsk. E. K. Prostokishin, Shkola i proizv. 7 no. 4:56-57 Ap '63.

SVERDLOVSK PROVINCE—BLASTING

Breaking a large block with large-scale blasting. S. I. Nikolaev and others, Gor. zhur. no. 4:17-20 Ap '63.

SVERDLOVSK PROVINCE—FOREST REPRODUCTION

Effect of nutcrackers on the regeneration of the Siberian pine under the forest canopy. G. K. Basuev, Trudy Ural. lesotekh. inst. no. 17:82-84 '60.

SVERDLOVSK PROVINCE—IRON MINES AND MINING

Development of mining systems in mines of the Vysokaya Mountain Mining Administration. S. I. Nikolaev, A. M. Il'in, Gor. zhur. no. 4:12-17 Ap '63.

SVERDLOVSK PROVINCE—IRON MINES AND MINING—EQUIPMENT AND SUPPLIES

Development of automatic control in the Vysokaya Mountain Mine. I. N. Samnikov, Gor. zhur. no. 4:23-25 Ap '63.

SVERDLOVSK PROVINCE—IRON MINES AND MINING—LABOR PRODUCTIVITY

Growth in labor productivity at the Vysokaya Mountain Mine. S. I. Nikolaev, A. M. Il'in, G. P. Skakun, Gor. zhur. no. 4:7-9 Ap '63.

SVERDLOVSK PROVINCE—MINE DRAINAGE

Geology and hydrogeology of the Vysokaya Mountain deposit and work on draining it. V. S. Makhnev, L. V. Iudonkov, Gor. zhur. no. 4:9-12 Ap '63.

SVERDLOVSK PROVINCE—MINING GEOLOGY

Geology and hydrogeology of the Vysokaya Mountain deposit and work on draining it. V. S. Makhnev, L. V. Iudonkov, Gor. zhur. no. 4:9-12 Ap '63.

SVERDLOVSK PROVINCE—NUTCRACKERS (BIRDS)

Effect of nutcrackers on the regeneration of the Siberian pine under the forest canopy. G. K. Basuev, Trudy Ural. lesotekh. inst. no. 17:82-84 '60.

SVERDLOVSK PROVINCE—STRIP MINING

Work practices in open pits of the Vysokaya Mountain Mining Administration. A. M. Il'in, G. P. Skakun, V. V. Karpov, Gor. zhur. no. 4:20-23 Ap '63.

SVERDLOVSK REGION—FOREST REPRODUCTION

Reforestation processes in some types of pine forests of the Ural Experimental and Training Forest Working Circle. G. S. Yozinkov, Trudy Ural. lesotekh. inst. no. 17:119-120 '60.

SVERSHNIKOV, BORIS IAKOVLEVICH, 1901-1962

Boris Iakovlevich Svershnikov; obituary. Izv. AN SSSR Ser. fiz. 27 no. 4:455-456 Ap '63.

SVETLANOV, YEVGENII

Yevgenii Svetlanov. E. Raiser, Sov. muz. 27 no. 2:65-69 F '63.

SVETLOGORSK DISTRICT—RETAIL TRADE

From the editor's mail. Agitator no. 14:80-81 Ji '62.

SVODODIN, GRIGORII SEMENOVICH, 1892-

About my comrade. G. Belov, Teatr 24 no. 3:110-111 Mr '63.

SWALLOWS see subdivision under Kolyma Valley; Oka Preserve

SWEAT GLANDS—DISEASES

Treatment in recurrent hidradenitis and lymphadenitis with impulse galvanic current. V. R. Aleksandrov, Vop. kur., fizioter. i lech. fiz. kul't. 20 no. 1:77-78 '63.

SWEDEN—HARDWARE

Sea cargo passing through the major ports of Sweden [with summary in English]. V. N. Sergeev, Vest. LGU 18 no. 5:83-92 '63.

SWEDEN—JUVENILE DELINQUENCY

Grimaces of the "free" world. Mol. komm. no. 11:118-120 N '62.

SWEDEN—METAL DETECTORS

Universal "ASDET" metal detector. E. L. Krutskii, M. N. Minster, Obog. rud 7 no. 3:60-63 '62.

SWEDISH LANGUAGE—NOUN

Structural characteristics and morphologic classification of compound nouns in Swedish. I. V. Kallistova, Uch. zap. LGU no. 318:121-130 '62.

SWIMMING

Use of therapeutic swimming. D. I. Cherkas-Zade, Teor. i prak. fiz. kul't. 20 no. 4:54-56 Ap '63.

SWIMMING POOLS—LIGHTING

Change in the light distribution of a point source of light when submerged in water. E. V. Makhov, Svetotekhnika 9 no. 2:19-21 F '63.

SWINE see subdivision under Moscow Province; Tambov Province

SWINE—DISEASES AND PESTS

Causes of the recovery of baby pigs from dyspepsia after a treatment with biomyces. I. I. Orobinskii, Trudy Kras. SKH 3 no. 1:61-69 '59.

SWINE—FEEDING AND FEEDS

(see also subdivision under Lida District; Maritime Territory; Vil'yska District)

Each farm should be provided with a mechanized feed preparation shop. S. Kurkov, Tekh. v sel'khoz. 21 no. 1:20-20 Ja '63.

Increasing labor productivity in swine fattening through comprehensive mechanization. V. P. Korovkin, Dokl. TSKHA no. 68:83-89 '61.

SWINE BREEDING see subdivision under Estonia

SWINE HOUSES AND EQUIPMENT

Electric heating of the floor of pens for mother sows. V. Kuznetsov, Tekh. v sel'khoz. 23 no. 1:36-37 Ja '63.

Increasing labor productivity in swine fattening through comprehensive mechanization. V. P. Korovkin, Dokl. TSKHA no. 68:83-89 '61.

SWITCHING THEORY

Minimum two-terminal switching rectifier networks for symmetrical monotonic functions. A. A. Markov, Prikl. kib. no. 8:117-121 '62.

Single-phase transistor converter circuit. Sh. I. Lutfiya, A. V. Misiul'm, Elektronika no. 5:73-81 '62.

SWITZERLAND—DAMS

Construction of arch dams in Switzerland. R. I. Bobrov, Gidr. stroi. 33 no. 2:52-55 F '63.

SWITZERLAND—SONGS, RUSSIAN

Meeting with Soviet songs. V. Men'shikov, Sov. muz. 27 no. 1:121-122 Ja '63.

SWORDFISH

Swordfish. F. I. Ibramov, Ryb. khoz. 39 no. 4:11 '63.

SYMBIOSIS

Symbiotic growth of Metallogenium. G. A. Zavarzin, V. V. Epikhina, Dokl. AN SSSR 146 no. 4:833-834 F '63.

SYMBOLIC AND MATHEMATICAL LOGIC see Logic, Symbolic and mathematical

SYMBOLISM IN ART

Symbol and allegory in sculpture. R. Abolina, Iskusstvo 25 no. 12:12-22 '62.

SYMMETRY

Axial symmetry. V. G. Boltianskii, I. M. Iaglom, Mat. v shkole no. 2:16-28 Mr-Ap '63.

SYMMETRY (BIOLOGY)

Morphological characteristics of the structure of the tail and new theories of the evolution of sexual asymmetry in birds. P. A. Khranova'kyl, Vsesoy. nauch. konf. Ser. biol. no. 2:113-121 '63.

SYMPATHETIC NERVOUS SYSTEM see Nervous system, Sympathetic

SYMPHONY

Decadence or rejuvenation? G. Orlov, Sov. muz. 27 no. 4:31-36 Ap '63.

Real and imaginary solutions. D. Zhitomirskii, Sov. muz. 27 no. 2:31-37 F '63.

SYMPHONY ORCHESTRAS see subdivision under Dresden Poland; Rumania

SYNCHRONOUS MOTORS see Electric motors, Synchronous

SYNCHROTRON

Accelerating units in a proton synchrotron and the system of high-frequency voltage supply to them. IU. M. Lebedev-Krasin and others, Prikl. tekhn. eksp. 7 no. 4:84-97 Ji-Ag '62.

Adjustment of acceleration in the 7 bev. proton synchrotron. V. V. Vladimirovskii and others, Prikl. tekhn. eksp. 7 no. 4:248-255 Ji-Ag '62.

Adjustment of the vacuum chamber and pumping system of the 7 bev. proton synchrotron. K. K. Onosovskii, Prikl. tekhn. eksp. 7 no. 4:52-54 Ji-Ag '62.

Characteristics of the phase movement of particles as calculated for a proton synchrotron. D. G. Kosharsky, Prikl. tekhn. eksp. 7 no. 4:138-140 Ji-Ag '62.

Characteristics of transverse oscillations of particles as calculated for a proton synchrotron. E. K. Tarasov, Prikl. tekhn. eksp. 7 no. 4:141-152 Ji-Ag '62.

Design and construction of correcting pole windings for a proton synchrotron. V. V. Vladimirovskii and others, Prikl. tekhn. eksp. 7 no. 4:153-158 Ji-Ag '62.

Design of the electromagnet of the 7 bev. proton synchrotron. N. S. Strel'isov and others, Prikl. tekhn. eksp. 7 no. 4:15-19 Ji-Ag '63.

SYNCHROTRON (Continued)

- Determining the configuration of the magnetic field in X-units of a proton synchrotron. M. A. Veselov and others. *Prib. i tekhn. eksp.* 7 no. 4:212-217 JI-Ag '62.
- Device for measuring the magnetic field by means of permalloy transducers and its use in adjusting a proton synchrotron. I. A. Radkevich and others. *Prib. i tekhn. eksp.* 7 no. 4:229-236 JI-Ag '62.
- Device for measuring the rate of magnetic field variation in a proton synchrotron. A. G. Alekseev, M. P. Vasil'ev, I. V. Mozhn. *Prib. i tekhn. eksp.* 7 no. 4:236-239 JI-Ag '62.
- Effect of deformations in the foundation on the proton orbits in a synchrotron. V. V. Vladimirovskii and others. *Prib. i tekhn. eksp.* 7 no. 4:66-69 JI-Ag '62.
- Effect of the parasitic parameters of the electromagnet in a proton synchrotron on the asymmetry of a magnetic field and methods for its compensation. N. A. Monoszon, A. M. Stolov, F. M. Spivakova. *Prib. i tekhn. eksp.* 7 no. 4:168-171 JI-Ag '62.
- Effect of the vacuum chamber on the magnetic field in a proton synchrotron. I. U. M. Goriachev, N. N. Grekov, S. V. Skachkov. *Prib. i tekhn. eksp.* 7 no. 4:217-223 JI-Ag '62.
- Effect of variations in the power supply system of a proton synchrotron on the magnetic characteristics of its units. V. V. Sokolovskii and others. *Prib. i tekhn. eksp.* 7 no. 4:240-244 JI-Ag '62.
- Electrostatic accelerator-injector in a proton synchrotron. I. P. Malyshev and others. *Prib. i tekhn. eksp.* 7 no. 4:37-45 JI-Ag '62.
- Factory stand testing of electromagnet elements of a proton synchrotron. A. G. Alekseev and others. *Prib. i tekhn. eksp.* 7 no. 4:172-179 JI-Ag '62.
- Fine adjustment of magnets in a proton synchrotron. S. V. Marfenko, A. K. Pevnev, N. I. Porubni. *Prib. i tekhn. eksp.* 7 no. 4:55-65 JI-Ag '62.
- Frequency programmer. V. A. Uvarov. *Prib. i tekhn. eksp.* 7 no. 4:80-83 JI-Ag '62.
- Induction method for measuring the pulse magnetic field in a synchrotron. V. A. Vitzel, V. N. Kuz'min, I. U. K. Petrov. *Prib. i tekhn. eksp.* 8 no. 2:137-139 Mr-Ap '63.
- Ion guide and beam injection system in a proton synchrotron. V. V. Vladimirovskii and others. *Prib. i tekhn. eksp.* 7 no. 4:70-75 JI-Ag '62.
- Magnetic field correction systems for a proton synchrotron. F. M. Kulakov and others. *Prib. i tekhn. eksp.* 7 no. 4:150-167 JI-Ag '62.
- Main parameters of the electromagnet of the 7 bev. synchrotron. N. A. Monoszon, N. S. Strel'tsov, N. A. Ostrovskii. *Prib. i tekhn. eksp.* 7 no. 4:10-15 JI-Ag '62.
- Master oscillator in the precision system of programmed control of the frequency of the accelerating field in proton synchrotron. F. A. Vodopianov. *Prib. i tekhn. eksp.* 7 no. 4:80-84 JI-Ag '62.
- Measurement of the principal magnetic characteristics of S-units of a proton synchrotron. V. S. Borisov and others. *Prib. i tekhn. eksp.* 7 no. 4:206-212 JI-Ag '62.
- Measurements of the frequencies of transverse oscillations of the beam in the 7 bev. proton synchrotron. V. V. Vladimirovskii and others. *Prib. i tekhn. eksp.* 7 no. 4:245-247 JI-Ag '62.
- Measuring the coupling stability between the dynamic field components of the main and measuring electromagnets in the 7 bev. proton synchrotron. V. A. Uvarov. *Prib. i tekhn. eksp.* 7 no. 4:131-133 JI-Ag '62.
- Methods for calculating the system of automatic control of the radial and phase position of the beam in a proton synchrotron. E. L. Burshtein, I. U. S. Ivanov, A. A. Kuz'min. *Prib. i tekhn. eksp.* 7 no. 4:102-105 JI-Ag '62.
- Operation of the power supply system of the 7 bev. proton synchrotron during the start-up period. I. F. Kleopov and others. *Prib. i tekhn. eksp.* 7 no. 4:33-36 JI-Ag '62.
- Power supply of the electromagnet of the 7 bev. proton synchrotron. N. A. Monoszon and others. *Prib. i tekhn. eksp.* 7 no. 4:27-33 JI-Ag '62.
- Radio electronic systems of the 7 bev. proton synchrotron. S. M. Rubchinskii and others. *Prib. i tekhn. eksp.* 7 no. 4:20-26 JI-Ag '63.
- The 7 bev. proton synchrotron. V. V. Vladimirovskii and others. *Prib. i tekhn. eksp.* 7 no. 4:5-9 JI-Ag '62.
- Study and correction of the horizontal component of the magnetic field in a proton synchrotron on low densities. V. V. Barmin and others. *Prib. i tekhn. eksp.* 7 no. 4:223-229 JI-Ag '62.
- Study and corrective measurements of the magnetic characteristics of S-elements of a proton synchrotron with low fields. A. N. Talyzin and others. *Prib. i tekhn. eksp.* 7 no. 4:184-192 JI-Ag '62.
- Study of the precision system of programmed control of the frequency of the accelerating field in a proton synchrotron. F. A. Vodopianov and others. *Prib. i tekhn. eksp.* 7 no. 4:98-101 JI-Ag '62.
- Studying the system of frequency control of the beam in the 7 bev. proton synchrotron with the aid of an electronic model of the beam. A. A. Vasil'ev, A. A. Kuz'min, I. U. S. Ivanov. *Prib. i tekhn. eksp.* 7 no. 4:111-115 JI-Ag '62.

- System of automatic electron measurements in the 7 bev. proton synchrotron. V. P. Kuz'min, S. M. Rubchinskii. *Prib. i tekhn. eksp.* 7 no. 4:115-118 JI-Ag '62.
- System of control of the frequency of accelerating voltage based on data on the beam. I. U. S. Ivanov, A. A. Kuz'min. *Prib. i tekhn. eksp.* 7 no. 4:106-111 JI-Ag '62.
- System of measuring the beam intensity in a proton synchrotron. A. A. Kuz'min. *Prib. i tekhn. eksp.* 7 no. 4:121-126 JI-Ag '62.
- Use of permalloy transducers for mass magnetic measurements in a proton synchrotron. A. G. Alekseev and others. *Prib. i tekhn. eksp.* 7 no. 4:170-184 JI-Ag '62.
- Use of the two-channel heterodyning method in measuring the accelerating voltage in a proton synchrotron. A. A. Vasil'ev, V. A. Skuratov. *Prib. i tekhn. eksp.* 7 no. 4:110-121 JI-Ag '62.
- Vacuum system of the 7 bev. proton synchrotron. I. F. Malyshev and others. *Prib. i tekhn. eksp.* 7 no. 4:46-51 JI-Ag '62.
- Variation in the magnetic field in the S-magnet of a proton synchrotron after completion of a cycle. V. N. Luzin, I. A. Radkevich, V. V. Sokolovskii. *Prib. i tekhn. eksp.* 7 no. 4:106-109 JI-Ag '62.
- Voltage supply to the deflecting and blanking plates in the system of injection of the ion beam into the chamber of a proton synchrotron. S. N. Bolko and others. *Prib. i tekhn. eksp.* 7 no. 4:76-80 JI-Ag '62.

SYNTHETIC FABRICS

- Carrier dyeing of lavsan. V. V. Karpov. *Tekst. prom.* 23 no. 3:70-72 Mr '63.
- Fabrics blended with lavsan; how to handle them in sewing. A. Shpaer, Z. Laliashvili. *Mest. prom. i khud. promys.* 4 no. 3:27-28 Mr '63.
- New silk fabrics manufactured by the Shcherbakov Combine. D. S. Kudravitsev, R. G. Granovskii. *Tekst. prom.* 23 no. 3:3-7 Mr '63.
- Tsentral'nyi institut nauchno-tekhnicheskoi informatsii logiki promyshlennosti. [Processing of lavsan in a blend with cotton and viscose fibers] Pererabotka lavsana v smesi s khlopkom i viskoznykh voloknom. Moskva, 1962. 55 p.

[MICROFILM]

SYNTHETIC PRODUCTS

- Increase the use of coke oven gas, natural gases and coke by-products in the production of synthetic materials. N. Zolman. *Ekon. Rad. Ukr.* no. 2:22-25 Mr-Ap '63.
- Materials of the future. I. Losev. *NTO* 5 no. 3:40-42 Mr '63.
- Production of synthetic materials should have a stable raw material base. N. Fedorenko, E. Shchukin. *NTO* 5 no. 3:43-44 Mr '63.
- Synthetic materials and the structure of the raw material balance of industry. E. Savinskii. *Vop. ekon.* no. 4:41-52 Ap '63.
- Synthetic materials for the fishing equipment. V. V. Borishchev. *Ryb. khoz.* 30 no. 2:63-67 '63.

SYNTHETIC TEXTILE FIBERS see Textile fibers, Synthetic

SYR DARYA DISTRICT—AGRICULTURE—AUDITING AND INSPECTION

- Take care of the kopeck and the ruble will take care of itself. I. Suleimanov. *Nar. khoz. Uzb.* 5 no. 2:36-38 F '63.

SYROKOMLA, WLADYSŁAW, pseud. see Kondratovicz, Ludwik, 1823-1862

SYSTEMS (CHEMISTRY)

- Calculability of the activity of solutions from the thermodynamic properties of the pure components on the basis of ultrasonic data. A. P. Grishin. *Prim. ul'trakust. k issl. veshch.* no. 16:161-168 '62.
- Certain regularities in the physicochemical properties of the binary system metal - mercury. V. P. Gladyshev. *Fiz. met. i metalloved.* 15 no. 2:203-209 F '63.
- Incongruent solution of sparingly soluble compounds. N. I. Bashilova. *Zhur. neorg. khim.* 8 no. 3:742-745 Mr '63.
- Isotherm at 40° of the system consisting of calcium, sodium, chlorides, sulfates, water, and solid phases. I. G. Drazhinin, M. D. Lopina-Shendrik. *Izv. AN Kir. SSR, Ser. est. i tekhn. nauk* 4 no. 9:61-80 '62.
- Melting diagram of the reciprocal system consisting of lithium and lead chlorides and bromides. A. G. Bergman, I. U. I. Andriushchenko. *Zhur. neorg. khim.* 8 no. 3:712-714 Mr '63.
- Moscow, Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii. [Manual on solubility] *Spravochnik po rastvorimosti.* Moskva, Izd-vo Akad. nauk SSSR, Vol. 2. [Ternary multicomponent systems] Troinye, mnogokomponentnye sistemy. Book 2. 1963. 206 p.
- New chemical compounds based on copper and sodium arsenate, carbonate, and sulfate. A. Akbaev, I. G. Drazhinin. *Izv. AN Kir. SSR, Ser. est. i tekhn. nauk* 4 no. 9:6-20 '62.

- Plotting the diagrams of composition of reciprocal systems based on weight percentage. G. F. Pinaev. *Zhur. neorg. khim.* 8 no. 3:751-757 Mr '63.
- Reciprocal system consisting of lithium and barium nitrates and chlorides. M. V. Tokareva, V. K. Rudenko. *Zhur. neorg. khim.* 8 no. 3:704-707 Mr '63.
- Relation between curves of the same property in a binary system. S. M. Dubrovskii, V. I. Anosov. *Zhur. neorg. khim.* 8 no. 3:746-750 Mr '63.
- Septenary reciprocal system of 15 salts. N. S. Dombrovskaya. *Zhur. neorg. khim.* 8 no. 3:720-733 Mr '63.
- Some cross sections of the quaternary reciprocal system Na^+ , Ca^{2+} , Ba^{2+} , F^- , Cl^- . Z. A. Mateiko, G. A. Bukhalova. *Zhur. neorg. khim.* 8 no. 3:715-719 Mr '63.
- Specific gravity and viscosity curves of saturated solutions in ternary systems. K. E. Mironov. *Zhur. neorg. khim.* 8 no. 3:758-762 Mr '63.
- X-ray diffraction study of radial distributions in amorphous solid solutions in the system sulfur - P. S. 10. A. I. Sokolov, G. S. Zhdanov. *Kristallografiya* 7 no. 6:882-885 N-D '62.

SZYMANOWSKI, KAROL, 1882-1937

- Program featuring Szymanowski and Kodaly. I. Nest'ev. *Sov. muz.* 27 no. 3:75-76 Mr '63.

TABIDZE, TITSIAN, 1895-

- "Poetry of Titsian Tabidze" [in Georgian] by M. Abuladze. Reviewed by A. Mirianashvili. *Vop. lit.* 7 no. 2:231-233 F '63.

TABLE SETTING AND DECORATION

- Tea-banquet. N. Tsyplenkov. *Obshchestv. pit.* no. 2:56 F '63.

TABLES, MATHEMATICAL see Logarithms

TABLEWARE—STERILIZATION

- Sterilizer. *Obshchestv. pit.* no. 1:37 Ja '63.

TABULATING MACHINES—MAINTENANCE AND REPAIR

- Vinokurov, P. S. [Maintenance of T-5 and T-5M tabulating machines] *Tekhnicheskoe obsluzhivanie tabulirov T-5 i T-5M.* Moskva, Gosstatizdat, 1962. 391 p.

TAENIA

- Experience of a hospital in the control of taeniasis. I. A. Ishmukhametov. *Sov. med.* 26 no. 1:94-96 Ja '63.

TAGANROG GULF—SANDBARS

- Special features of the offshore bar dynamics in the Taganrog Gulf of the Azov Sea. V. A. Timokhov. *Izv. Vses. geog. ob-va* 85 no. 1:71-74 Ja-F '63.

TAGORE, SIR RABINDRANATH, 1861-1941

- Works of Rabindranath Tagore in Russia and the Soviet Union. L. A. Strizhevskaya. *Nauch. dokl. vys. shkoly; filol. nauki* no. 1:180-188 '63.

TAIL

- Morphological characteristics of the structure of the tail and new theories of the evolution of sexual asymmetry in birds. P. A. Khranovskiy. *Viank Kyiv. un.* no. 1. Ser. biol. no. 2:113-121 '58.

TAILORING

- (see also subdivision under Pugachevo, Brest Province)

- Assembling a collar without basting. L. Volikova. *Shvein. prom.* no. 1:23 Ja-F '63.

- Fabrics blended with lavsan; how to handle them in sewing. A. Shpaer, Z. Laliashvili. *Mest. prom. i khud. promys.* 4 no. 3:27-28 Mr '63.

- Korotkov, S. N., S. M. Kravchenko, and S. S. Subbotin. [Manufacture of custom-made outerwear] *Izgotovlenie verkhnei odezhdy po individual'nym zakazam.* Moskva, Gostorgizdat, 1963. 301 p.

TAILORING—EQUIPMENT AND SUPPLIES

- Manufacture of shoulder pads of a new shape without the use of interlining and flannel. L. S. Barenbaum. *Shvein. prom.* no. 1:22-23 Ja-F '63.

TAILORING (WOMEN'S)

- Grishina, A. A., and N. A. Sergeev. [Technology of women's coats] *Tekhnologiya poshiva zhenskikh pal'to.* Moskva, Rostrakhizdat, 1962. 231 p.

TAJIK DEPRESSION—PALEONTOLOGY, STRATIGRAPHIC

- Stratigraphic position of Isfara and Khanabad layers in the Paleogene of the Tajik Depression [with summary in English]. D. D. Buzurukov. *Vest. LGU* 18 no. 6:126-128 '63.

TAJIK DEPRESSION—SEA URCHINS, FOSSIL

- Late Cretaceous sea urchins of the Tajik Depression. O. I. Shmidt. *Trudy VNIIGRI* no. 196. *Paleont. sbor.* no. 3:277-323 '62.

TAJIKISTAN

- Odintsov, A., tr. [Dzhura is still the same; essays about Tajikistan. Translated from the Tajik] *Vse tot zhe Dzhura; ocherki o Tadzhikistane.* Tashkent, Goslitizdat, 1962. 225 p. illus. (M)

TADZHIKISTAN—EARTHQUAKES

Semenov, P. G., and V. A. Semenova. [Catalog of earthquakes in Tajikistan for the periods 1865-1940 and 1941-1952] Katalog zemletresenii oshchushchavshikh-sia na territorii Tadzhikistana za periody 1865-1940 i 1941-1952 gg. Stalinabad, Izd-vo Akad. nauk Tadzhikskoi SSR, 1958. 137 p. (Akademii nauk Tadzhikskoi SSR, Trudy, vol. 86)

TADZHIKISTAN—ECONOMIC POLICY

Kakharov, A. [The Tajik S.S.R.; a story about the seven-year plan] Tadzhikskaya SSR; rasskaz o semiletke. Moskva, Proftekhizdat, 1961. 91 p. [MICROFILM]

TADZHIKISTAN—GRASSES

Heat resistance of the protoplasm of the representatives of various types of herbaceous plants of Tajikistan [with summary in German]. L. G. Bregetova, A. I. Popova. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 2:3-107 '62.

TADZHIKISTAN—HEALTH EDUCATION

Ishakov, S. I. [Sanitary education in the Tajik S.S.R. Sanitarion prosvetsheniye v Tadzhikskoi SSR. Dushanbe, Tadzhikgostizdat, 1962. 98 p. (DNLM)]

TADZHIKISTAN—HISTORY—SOURCES

Akademii nauk Tadzhikskoi SSR, Dushanbe. Institut istorii. [Collection of source materials from the 17th-19th centuries on the history of Ura-Tyube] Materialy po istorii Ura-Tyube; sbornik aktov XVII-XIX vv. Sost. i perevod i predisl. A. Mukhtarova. Pod red. A. A. Semenova i O. D. Chakhovich. Moskva, Izd-vo vostochnoi lit-ry, 1963. 134 p.

TADZHIKISTAN—MEDICINE—BIBLIOGRAPHY

"Medicine in Tajikistan. Supplement No. 1: Bibliographic Index (Literature from the second half of 1957 to the second half of 1961)" by V. A. Nevskii. Reviewed by B. D. Petrov. Sov. zdrav. 22 no. 4:95-96 '63.

TADZHIKISTAN—PRAIRIES

Water balance of dominant and associated species of shortgrass semisavannas [with summary in German]. K. P. Rakhmanina. Trudy Otd. fiziol. i biofiz. rast. AN Tadzh. SSR 2:125-162 '62.

TADZHIKISTAN—RURAL LIBRARIES

Books are a help in building and living. D. Eppella. Klub 12 no. 10:27-28 O '62.

TALAS ALA-TAU—FLYCATCHERS

Ecology of the flycatcher Terpsiphone paradise (Tales Ala-Tau). A. F. Kovshar. Ornitologiya no. 4:234-238 '62.

TALAS VALLEY—MINERAL INDUSTRIES

History of the medieval mining industry in Central Asia. M. A. Buhnova. Sov. arheol. 7 no. 2: 85-94 '63.

TALDOM DISTRICT—STATE FARMS—MANAGEMENT

Distribution of individual production units and production specialization on the "Pravda" State Farm, Taldom District. A. I. Dushkin. Dokl. TSKHA no. 68:141-146 '61.

TALDOM DISTRICT—STOCK AND STOCKBREEDING

Distribution of individual production units and production specialization on the "Pravda" State Farm, Taldom District. A. I. Dushkin. Dokl. TSKHA no. 68:141-146 '61.

TALDY-KURGAN—DISPLAY OF MERCHANDISE

Warehouses on wheels. Zh. Sadykov. Koop. Kazakh. 5 no. 12:29-30 D '62.

TALES, EGYPTIAN

Tales of the Westcar papyrus [with summary in French]. I. S. Kateneison. Krat. soob. Inst. nar. Az. no. 46:104-130 '62.

TALES, RUSSIAN

Tolstol, A. N. [Russian fairy tales] Russkie narodnye skazki. [Voronezh] Voronezhskoe knizhnoe izd-vo, 1960. 172 p. (U)

TALES, UKRAINIAN

Vasyl Hredynar, the storyteller. I. O. Kishynskiy. Nar. tvorch. ta etn. 6 no. 4:98-100 O-D '62.

TALES, VIETNAMESE

The ancient Vietnamese folk tale. K. I. Iur'ev. Vop. iaz. lit. no. 3:148-162 '62.

TALGAR—CLOTHING INDUSTRY

By reduced prices. A. Larionov. Koop. Kazakh. 5 no. 12:12-14 D '62.

TALGAR—REBATES

By reduced prices. A. Larionov. Koop. Kazakh. 5 no. 12:12-14 D '62.

TALLINN—AUTOMOBILES, RENTAL

Automobile renting is a promising business. B. Gladilin. Avt. transp. 41 no. 3:28 Mr '63.

TALLINN—COMMUNIST YOUTH LEAGUE

Story of one month part. G. Boguslavskii. Smena 40 no. 8:23 My '63.

TALLINN—CONFECTIONERY

Continuous production line for the preparation of fatty glazing. G. N. Korovianskaia. Khleb. i kond. prom. 7 no. 4:27-28 Ap '63.

TALLINN—EMPLOYEES, DISMISSAL OF

It was wrong to fire Erna Sooman. F. Kala. Okhr. truda i sots. strakh. no. 4:29-30 Ap '63.

TALLINN—LIBRARIES

Working with literature in foreign languages. O. I. Nuut. Kh. IU. Sagorkrants. Opyt. rab. bibliot. s lit. no. 5:62-63 '63.

TALLINN—MACHINE INDUSTRY

Konstantin Ploom has discovered new unexploited potentialities. A. Vinokurov. Sov. deput. trud. no. 4:82 Ap '63.

TALLINN—SERVICE INDUSTRIES

Contrasts of Tallinn. L. Davydov. Mest. prom. i khud. promysl. 4 no. 3:16-17 Mr '63.

TAMBOV—CHEMISTRY, TECHNICAL—RESEARCH

Inhibitors are the elixir of life for polymers. E. F. Burmistrov and others. IUn. tekhn. 7 no. 12:8-13 D '62.

TAMBOV GOVERNMENT—ECONOMIC CONDITIONS

Boshin, B. I. [V. I. Lenin on the Tambov territory] V. I. Lenin o Tambovskom krae. [Tambov] Tambovskoe knizhnoe izd-vo, 1960. 26 p.

TAMBOV PROVINCE—COLLECTIVE FARMS—AC-COUNTING

Brief news. Uchet i fin. v kolhoz. i sovkh. 20 no. 3: 48 Mr '63.

TAMBOV PROVINCE—DAIRYING

Mosolova, T. S. [How I obtain high milk yields] Kak ia dobiyat' vysokikh nadoev moloka. [Tambov] Tambovskoe knizhnoe izd-vo, 1959. 37 p. (Biblioteka zhivotnovodstva) (DNAL)

TAMBOV PROVINCE—LABOR AND LABORING CLASSES

Khalik, A. L. [First principle] Pervaya zapoved'. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 10 p. (Besedy o moral'nom kodekse stroitelstva kommunizma)

TAMBOV PROVINCE—LIBRARIES

Seregin, A. I. [There should be a library for every family] Kazhdoi sem'e - biblioteka. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 10 p.

TAMBOV PROVINCE—SWINE

Popov, A. V. [School of advanced practices] Shkola peredovogo opyta. [Tambov] Tambovskoe knizhnoe izd-vo, 1963. 26 p. (Reshenia XXII s'ezda KPSS - v zhitii) (DNAL)

TAMBOV PROVINCE—TEXTILE WORKERS

Averin, N. M., and I. A. Sviridov. [A working man is a communist] Rabochii chelovek, kommunist. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 16 p. (Stroiteli kommunizma)

TANFIL'EV, GAVRIIL IVANOVICH, 1857-1926

In memory of G. I. Tanfil'ev. S. T. Belozorov. Izv. AN SSSR. Ser. goig. no. 2:109-110 Mr 'Ap '63.

TANGANYIKA—ECONOMIC CONDITIONS

Kilimanjaro district. A. Sofronov. Ogonek 41 no. 16: 4-7 Ap '63.

TANK CARS

Lengurov, I. Z., and K. I. Zavadskii. [Organization of the transportation of bulk liquid cargo] Organizatsiia peresvovok nallynykh gruzov. Moskva, Transzheldorizdat, 1963. 269 p.

TANK VESSELS

(see also subdivision under Japan)

Modern trends in selecting the relation between the main dimensions of large tankers (from "European Shipbuilding," no. 3, 1962). V. M. Veksler. Sudostroenie 20 no. 4:63-64 Ap '63.

Power plant on the tank vessel "Mir." L. E. Landa. Blul. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:38-56 '62.

"Sofia" will sail to Odessa. I. Moroz. Ukraina no. 4: 18 F '63.

Tank vessel "Lugansk." A. P. Dorokhov. Sudostroenie 20 no. 4:1-6 Ap '63.

Tank vessel with a 1,500-ton capacity. V. V. Kochenov. Blul. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 6:23-29 '62.

Use of flexible containers for the transportation of dry cargo in tankers. A. F. Peregodov. Sudostroenie 20 no. 3:53-54 Mr '63.

TANK VESSELS—COST OF OPERATION

Large capacity diesel tankers and their technical and economic indices. V. A. Galitskii. Sudostroenie 29 no. 3:11-15 Mr '63.

TANK VESSELS—DESIGN AND CONSTRUCTION

Tanker "Dzhuzeppe Garibaldi." I. K. Bebel', N. M. Neshchadimov. Blul. tekhn. -ekon. inform. Tekh. upr. Min. mor. flota 7 no. 4:12-18 '62.

TANK VESSELS—SPEED

Displacement and speed of Russian tankers of the near future. V. M. Veksler. Sudostroenie 29 no. 3:5-11 Mr '63.

TANKS

Determining the filling time of a vacuum tank. A. D. Gorbunov. Trudy Ural. issutekh. inst. no. 17:23 '60.

Llandrea, Z. O. [Determining the dimensions and volumes of the foundations and embankments of steel tanks] Opredelenie razmerov i ob'emov osnovani i obvalovani stal'nykh rezervuarov. Moskva, Gostekhtekhtizdat, 1963. 45 p.

Seismic loads on reinforced concrete tanks. A. S. Gekhtman. Stroil. truboprov. 8 no. 4:10-12 Ap '63.

TANKS—TESTING

Losses from reinforced concrete tanks during acceptance tests. M. I. Valner. Stroil. truboprov. 8 no. 4:30-32 Ap '63.

TANKS (MILITARY SCIENCE)

Barsogian, B. S. [At high speeds] Na vysokikh skorostakh. Moskva, Voenizdat, 1962. 33 p. (Olichnaya uchoby - o svoem opyte)

TANNING MATERIALS

Interaction between tannins, amino acids, and sugars at increased temperatures. N. I. Shoboleva, V. R. Popov. Biokhim. chaim. prozv. no. 9:185-188 '62.

Liquid glass tans leather. Nauka i zhytiia 12 no. 2:45 F '63.

TANNINS

Tannin as a means of protecting the membrane of the eggs of fall-spawning chum salmon. A. M. Kol'gaev. Izv. TINRO 46:210-212 '62.

TANNINS—ANALYSIS

Tannins of oak wood and their transformations during the aging of cognac alcohols. E. M. Shpritsman. Trudy MNIPP 2:3-10 '62.

TANNU-TUVA see TUVA A.S.S.R.

TANTALUM—SPECTRA

Effect of phosphomolybdate on the spectral determination of niobium and tantalum [with summary in English]. K. A. Semenenko, N. I. Tarasovich. Zhur. anal. khim. 18 no. 1:80-92 Ja '62.

TANTALUM—TESTING

Investigating the structure of tantalum at high temperatures. V. M. Amonenko and others. Fiz. met. i metalloved. 15 no. 3:444-450 Mr '63.

TAPEWORMS see subdivision under Moldavia

TAPIOLITE

First find of tapiolite in the U.S.S.R. Chen' De-tai-an' [Ch'en Tê-ch'ien]. G. A. Sidorenko. Min. syr'e no. 4: 116-118 '62.

TAR see subdivision under Kazakhstan

TAR OILS—TESTING

Thermal stability of wood tar oils extracted from the tar of softwood species. V. P. Sumarcov, E. V. Kizskikh. Sbor. trud. TSNILKHI no. 14:53-59 '61.

TARASHCHA DISTRICT—FIELD CROPS—FERTILIZERS AND MANURES

Practices in the application of fertilizers in Tarashcha District. A. G. Shvets. Zemledelia 25 no. 1:73-74 Ja '63.

TARIFF

Russia (1923- U.S.S.R.) Glavnoe tamozhennoe upravlenie. [The customs of the U.S.S.R.] Tamozhennyi tarif SSSR. Moskva Vneshtorgizdat, 1962. 115 p.

TARIVERDIEV, MIKHAEL

A young composer has come... IA. Kharon. Isk. kino 33 no. 2:94-97 '63.

TARTARIC ACID

Determining tartaric acid in wine and must by means of ion exchange resins. I. U. E. Fal'kovich. Trudy KIPP no. 22:379-382 '61.

TARTU—ATHEISM—STUDY AND TEACHING

Against the darkness. A. Jurimaa. Kul't. -pros. rab. 23 no. 11:20-22 N '62. School of militant atheists. F. Suur. Klub 12 no. 10: 34-35 O '62.

TARTU—FINANCE

Creative initiative. V. Aron. Fin. SSSR 37 no. 4:74 Ap '63.

TARTU—MOTORBUSES—EQUIPMENT AND SUPPLIES

Designer of an automatic bus fare box. A. Arrak. Avt. transp. 41 no. 3:20 Mr '63.

TARTU—SUGGESTION SYSTEMS

Creative initiative, V. Aron. Fin. SSSR 37 no. 4:74 Ap '63.

TARTU—TRANSPORTATION, AUTOMOTIVE

On a large scale, A. Shk. Avt. transp. 41 no. 3:18-19 Mr '63.

TASHKENT—CABLES

New creative initiative, Nar. khoz. Uzb. 5 no. 2:70 F '63.

TASHKENT—CIRCUS

In Nazarov's arena, Uzbekiston 21 no. 5:26 My '62.

TASHKENT—COMMUNIST EDUCATION

Ideological training of the cadres of leaders in the Tashkent city party organization, Part. zhizn' no. 3:30-33 Ap '63.

TASHKENT—COMMUNIST YOUTH LEAGUE

Declare war on formalism! N. Loginova. Komsom. zhizn' no. 4:6-10 F '63.

TASHKENT—GUIDEBOOKS

[Tashkent; brief manual and guidebook] Tashkent; Ibratki spravochnik-putevoditel', Tashkent, Gosizdat UzSSR, 1962, 105 p., map.

TASHKENT—MAY DAY (LABOR HOLIDAY)

May Day 1910 in Tashkent, A. Matveev. Uzbekiston 21 no. 5:7 My '62.

TASHKENT—MINERAL WATERS

Treatment of psoriasis patients with Tashkent mineral waters, N. S. Salikhov. Med. zhur. Uzb. no. 3:39-42 Ag '62.

TASHKENT—PLASTICS

Made at the "Tashkentil'mash," V. Mirzolan. Nar. khoz. Uzb. 4 no. 1:20-21 Ja '63.

TASHKENT—SCENE PAINTING—EXHIBITIONS

Creative collaboration; remarks on the exhibition of works by I. A. Val'denberg and D. V. Ushakov. M. Mumin. Iskusstvo 26 no. 12:37-43 '62.

TASHKENT—SOVIETS

A stain on a deputy's reputation, M. Karpovitch. Sov. doput. trud. no. 4:80-82 Ap '63.

TASHKENT—TELEVISION BROADCASTING

Millions look at the screens, Uzbekiston 21 no. 5:13 My '62.

TASHKENT—TEXTILE INDUSTRY—AUDITING AND INSPECTION

Volunteer economists are searching for hidden potentials, Nar. khoz. Uzb. 5 no. 2:60-67 F '63.

TASHKENT—TEXTILE MACHINERY

Made at the "Tashkentil'mash," V. Mirzolan. Nar. khoz. Uzb. 4 no. 1:20-21 Ja '63.

TASHKENT—TRACK ATHLETICS

Big sports days in Tashkent, Uzbekiston 21 no. 11:13 N '62.

TASHKENT PROVINCE—COLLECTIVE FARMS—VALUATION

Economic valuation of soils, G. Dubudoglo. Vop. ekon. no. 4:130-135 Ap '63.

TASHKENT PROVINCE—CORN (MAIZE)—VARIETIES

Gorbunov, V. P., [Basic corn varieties grown in Tashkent Province] Osnovnye sorta kukuruzy; vozdel'yvayemye v Tashkent'skoi oblasti, Tashkent, Gosizdat, UzSSR, 1962, 28 p. (DNAL)

TASHKENT PROVINCE—SOILS—CLASSIFICATION

Economic valuation of soils, G. Dubudoglo. Vop. ekon. no. 4:130-135 Ap '63.

TASHKENT REGION—COTTON GROWING

People, machines and harvest, M. Liakhovskii. Nar. khoz. Uzb. 4 no. 1:40-53 Ja '63.

TASHKENT REGION—VEGETABLE GARDENING

Kabanova, K. A., [Problems in the organization of suburban farming in Uzbekistan as exemplified by the Tashkent suburban zone] Voprosy organizatsii prigorodnogo sel'skogo khoziaistva v Uzbekistane; na primere Tashkent'skoi prigorodnoi zony, Tashkent, Izd-vo Akad. nauk UzSSR, 1963, 126 p.

TATAR A. S. S. R.—AUDITING AND INSPECTION

Plant volunteers and work problems, M. Utiarnyshev. Sots. trud 8 no. 4:69-82 Ap '63.

TATAR A. S. S. R.—COSTS, INDUSTRIAL

Indices of the volume of production and labor productivity in the standard costs of production, I. I. Rizberg. Spirit, prom. 29 no. 3:32-34 '63.

TATAR A. S. S. R.—DISTILLING INDUSTRIES—LABOR PRODUCTIVITY

Indices of the volume of production and labor productivity in the standard costs of production, I. I. Rizberg. Spirit, prom. 29 no. 3:32-34 '63.

TATAR A. S. S. R.—DRUG INDUSTRY

Fortieth anniversary of the pharmaceutical industry in the Tatar A. S. S. R., A. M. Fadim, A. A. Kaznacheev. Kaz. med. zhur. no. 5:85-96 S-O '62.

TATAR A. S. S. R.—INDUSTRIAL MANAGEMENT

Plant volunteers and work problems, M. Utiarnyshev. Sots. trud 8 no. 4:69-82 Ap '63.

TATAR A. S. S. R.—PASTURES AND MEADOWS

Role of long-rhizome species in the formation of grass stands as related to soil moisture, E. L. Ljubarskii. Bot. zhur. 48 no. 3:403-405 Mr '63.

TATAR A. S. S. R.—PLANTS, PROTECTION OF

In Tatarstan, S. V. Mullin, A. M. Shamaeva, Zashch. rast. ot vred. i bol. 6 no. 6:58 Je '61. Seminar in the fields, N. N. Tsvetkova, Zashch. rast. ot vred. i bol. 6 no. 11:32 N '61.

TATAR A. S. S. R.—PROSPECTING—TECHNOLOGICAL INNOVATIONS

Creative activity of the innovators of the Tatar Prospecting Trust, N. G. Kovalenko. Bezop. truda v prom. 7 no. 4:30-31 Ap '63.

TATAR A. S. S. R.—PUBLIC HEALTH

Public health in the Tatar A. S. S. R. in the light of the decisions of the 12th Congress of the CPSU, R. I. Iarmukhametova. Kaz. med. zhur. no. 5:3-8 S-O '62.

TATAR A. S. S. R.—SMUTS

Eradication of smuts is an urgent task, U. A. Biktemirov. Zashch. rast. ot vred. i bol. 6 no. 8:14-15 Je '61.

TATAR LITERATURE—TRANSLATIONS INTO RUSSIAN—BIBLIOGRAPHY

see Bibliography—Tatar Literature—Translations into Russian

TAUTOMERISM

Effect of steric factors on keto-enol-trans-enol equilibrium of α -cycloalkylacetone esters, M. I. Kabanuk, S. T. Ioffe. Izv. AN SSSR, Otd. khim. nauk no. 2: 330-343 F '63.

On the coexistence of different tautomeric forms of phenyl hydrazones, R. R. Shagidullin and others. Izv. AN SSSR, Otd. khim. nauk no. 2:386-386 F '63.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 8 Polarographic study of phenyl hydrazone tautomerism, I. U. P. Kitaev, T. V. Trepo'skaya. Izv. AN SSSR, Otd. khim. nauk no. 3:464-465 Mr '63.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 9 Polarographic behavior of phenyl hydrazones, I. U. P. Kitaev, T. V. Trepo'skaya. Izv. AN SSSR, Otd. khim. nauk no. 3:465-473 Mr '63.

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 10 Infrared spectra of the phenylhydrazones of some aldehydes, R. R. Shagidullin and others. Izv. AN SSSR, Otd. khim. nauk no. 3:473-478 Mr '63.

TAXATION see subdivision under Moscow Province; Smolensk Principality

TAXICABS see subdivision under Moscow

TAYLOR'S SERIES (MATHEMATICS) see Series, Taylor's

TAYMYR PENINSULA—BIRDS

Distribution of birds in different landforms of the southwestern Taymyr, A. V. Kreshmar. Ornitologiya no. 4: 29-39 '62.

TBILES see TBILIS

TEA

(see also subdivision under Adjar; Anaseuli; Azerbaijan; China; Georgia; Krasnodar Territory; Masally; Vietnam, North; Yunnan Province)

Biochemical control of tea production, K. M. Dzhenukhadze. Biokhim. chain. proizv. no. 9:144-147 '62.

A day's dynamics of catechols and flavones in a tea plant, K. M. Dzhenukhadze, G. A. Buzun, M. N. Nestuk. Biokhim. chain. proizv. no. 9:15-19 '62.

Duration of leaf rolling and fermentation using new and old technologies, M. A. Bokuchava and others. Biokhim. chain. proizv. no. 9:109-118 '62.

Improving the quality of black loose leaf tea, M. V. Sardzhveladze. Biokhim. chain. proizv. no. 9:130-136 '62.

Intensified technological processes in the manufacture of green pressed tea, L. A. Lazishvili. Biokhim. chain. proizv. no. 9:167-178 '62.

Interaction between tannins, amino acids, and sugars at increased temperatures, N. I. Skobeleva, V. R. Popov. Biokhim. chain. proizv. no. 9:185-188 '62.

New technology and some physical and mechanical changes in teas, A. I. Bagirov. Biokhim. chain. proizv. no. 9:119-121 '62.

Preparation of a dry tea concentrate by the method of drying by sublimation, G. N. Prudze. Biokhim. chain. proizv. no. 9:177-181 '62.

Quantitative and qualitative changes in the flavone substances of tea plants, M. S. Ulianova. Biokhim. chain. proizv. no. 9:7-14 '62.

Some characteristics of nitrogen metabolism in the tea plant, G. P. Serenkov. Biokhim. chain. proizv. no. 9: 27-52 '62.

Study of the organic acids of the tea plant, G. A. Soboleva. Biokhim. chain. proizv. no. 9:20-26 '62. Temperature regime during the rolling process and the need of developing an artificial climate in the rolling shops of tea factories, M. A. Bokuchava. Biokhim. chain. proizv. no. 9:126-129 '62.

Theory and practice of the new technology in the production of black tea, M. A. Bokuchava. Biokhim. chain. proizv. no. 9:81-87 '62.

Volatile aldehydes in the extracts of black tea [translated from the English], E. Roberts, D. Rastidzh. Biokhim. chain. proizv. no. 9:182-184 '62.

TEA—FERTILIZERS AND MANURES

Effect of organomineral composts on the quality of raw and finished green loose leaf tea, M. N. Shavishvili. Biokhim. chain. proizv. no. 9:76-80 '62.

TEA—PHYSIOLOGICAL EFFECT

Effect of a vitamin P preparation from tea leaves on the respiration of tissues, L. E. Teras. Biokhim. chain. proizv. no. 9:201-203 '62.

TEA—STORAGE

see subdivision under Krasnodar Territory

TEA—TESTING

Evaluation of the quality of teas with the aid of chemical analysis [translated from the English], E. Roberts. Biokhim. chain. proizv. no. 9:148-157 '62.

TEA—THERAPEUTIC USE

Protista-killing effect of tea extracts, V. V. Alpatov, S. A. Beer. Biokhim. chain. proizv. no. 9:186-200 '62.

TEA—VARIETIES

Technological and biochemical characteristics of improved varieties of tea, G. P. Sardzhveladze. Biokhim. chain. proizv. no. 9:69-75 '62.

TEA RESEARCH

Problems of biochemistry in tea production, A. I. Oparin, M. A. Bokuchava. Biokhim. chain. proizv. no. 9:3-5 '62.

TEACHERS

(see also subdivision under Moscow; Rostov Province; Ukraine) Glorious anniversary, Doshk. vosp. 36 no. 3:39-40 Mr '63.

Heart of a Communist, M. Bulgakova. Shkola-int. no. 1: 14-17 Ja-F '63.

Outstanding workers of preschool education, I. Iosypenko, V. Kostuk. Doshk. vykh. 24 no. 1:18-19 Ja '63.

Teaching is an exalted profession, V. Sherapov. Shkola-int. no. 2:87-89 Mr-Apr '63.

Thoughts about teachers, A. Levashin. Shkola-int. no. 1: 16-24 Ja-F '63.

TEACHERS—SALARIES, PENSIONS, ETC.

Individual problems concerning the application of old-age pension law to educational personnel, Sots. obespe. 24 no. 4:51-55 Ap '63.

TEACHERS, TRAINING OF

From a master-teacher to a collective of masters, O. Romanenko. Shkola-int. no. 2:33-34 Mr-Apr '63.

Improving the pedagogical training of students and the educational program, A. A. Tikhonov. Sov. pedagog. 27 no. 1:137-146 Ja '63.

In the Central Institute for Teacher Improvement, V. Sherapov, O. Berner. Nar. obr. no. 4:125-126 Ap '63. Vocational orientation, E. I. A. Pastukh. Shkola i proizv. 7 no. 4:14-18 Ap '63.

Work on methods, V. Milonidi. Shkola-int. no. 2:42-46 Mr-Apr '63.

TEACHERS COLLEGES

Teaching is an exalted profession, V. Sherapov. Shkola-int. no. 2:87-89 Mr-Apr '63.

TEACHING

(see also subdivision under Rostov Province; White Russia)

Attention to students and attention to teachers, N. Kurylev. Nar. obr. no. 4:91-92 Ap '63.

Conference on methods, Nach. shkola 31 no. 2:93-94 F '63.

Educational methods, Sov. pedagog. 27 no. 1:53-79 Ja '63.

Let's actively develop the cognitive interests, V. Bondarevskii. Shkola-int. no. 2:55-59 Mr-Apr '63.

Let's not overwork students, M. N. Skalkin. Sov. pedagog. 27 no. 1:10-23 Ja '63.

Let's work without repeating students, Shkola-int. no. 2: 1-3 Mr-Apr '63.

Method? Collective responsibility for each student, A. Kondratenkov. Shkola-int. no. 2:25-32 Mr-Apr '63.

Methodological seminar, P. F. Malyshov. Sred. shkola, obr. 10 no. 4:52-54 Ap '63.

On the subject, tasks and methods of didactics, B. Esipov. Nar. obr. no. 4:57-60 Ap '63.

TEACHING (Continued)

- Problems of overcoming lagging in school work. N. Menchinskaya, Z. Kalmykova. Nar. obr. no. 4:61-65 Ap '63.
- School without repeating students. K. P. Vorob'ev. Nach. shkola 31 no. 3:37-40 Mr '63.
- Subject planning. G. I. Gorskaya. Nach. shkola 31 no. 2:32-38 F '63.

TEACHING MACHINES

- Cybernetical pedagogy. L. Ahlan. Nauka i zhyt'ia 12 no. 2:18-19 F '63.
- Programmed instruction. G. G. Maslova. Mat. v shkole no. 2:35-40 Mr-Apr '63.
- Reducing time for control and consultation. E. A. Sankovskii. Vest. vys. shkoly 21 no. 3:18-20 Mr '63.

TECHNICAL ASSISTANCE, RUSSIAN see subdivision under Afghanistan; Africa; Burma; Cuba; Egypt; Mongolia; Sudan; Underdeveloped Areas

TECHNICAL ASSISTANCE, WHITE RUSSIAN

- Cooperation of the White Russian S. S. R. with underdeveloped countries. S. D. Vaitovich. Vestsi AN BSSR. Ser. hram. nav. no. 1:120-133 '63.

TECHNICAL CHEMISTRY see Chemistry, Technical

TECHNICAL EDUCATION

- (see also subdivision under Hungary; Latvia; Minsk; Riga; Ural Mountain region)

Atutor, P. R., and L. I. Ginzburg. [Technical committee in school] Politekhicheskaya komissia v shkole. Moskva, Uchpedgiz, 1963. 167 p.

Development of student technical creativity. K. K. Tkachenko. Shkola i prosv. 7 no. 4:61-62 Ap '63.

Editor's mail. Sred. spets. obr. 10 no. 4:62-63 Ap '63.

Editor's mail. V. Pervushin and others. Shkola i prosv. 7 no. 2:83-85 F '63.

Moscow. Moskovskii oblasnoi institut usovershenstvovaniia uchitel'. [Problems of technical education; the practices of schools] Voprosy politekhicheskogo obucheniia; iz opyta raboty shkol. [Moskva] Mosk. rabochii, 1959. 44 p. (V pomoshch' uchitel'iu) (NNC)

Responses to the article "Creator or craftsman?" K. I. Skriabin and others. Smena 30 no. 11:14-15 Ja '62.

Take care of the theoretical education of students. Komsom. zhizn' no. 6:10-11 Mr '63.

Use of published academic literature with the application of the St. system. D. M. Shapira. Sred. spets. obr. 10 no. 4:24-26 Ap '63.

Ways of the development of technical education. A. A. Vasil'ev. Shkola i prosv. 7 no. 2:3-8 F '63.

We need experimental technical schools. N. A. Novoselov. Sred. spets. obr. 10 no. 4:5-8 Ap '63.

What the future engineers contribute to production. Komsom. zhizn' no. 6:5, 6, 8-10 Mr '63.

TECHNICAL LIBRARIES

- (see also subdivision under Minsk; Moscow)
- Improve the use of foreign literature on science and technology. S. K. Iakutskii. Opyt. rab. bibliot. s. III. no. 5:42-46 '63.

TECHNICAL SOCIETIES see subdivision under Moscow

TECHNICIANS IN INDUSTRY

- Organization of machinery designers' work. T. Vvedenskii. Sots. trud 8 no. 4:60-62 Ap '63.

TECHNOLOGICAL INNOVATIONS

- (see also subdivision under Armenia; Orenburg Province; Rostov Province; Ukraine; Vitebsk)

Abroad. Nauka i zhizn' 30 no. 1:41-43 Ja '63.

Advertising board. Izobr. i rats. no. 3:13 '63.

At various latitudes. Znaniia ta pratsia no. 2:20 F '63.

"Birth and realization of an idea" by A. G. Presniakov. Reviewed by V. Nosova. IUn. tekhn. 7 no. 12:31-32 D '62.

Conceived - realized. Izobr. i rats. no. 3:20-21 '63.

"Conception and realization of an invention" by A. G. Presniakov. Reviewed by N. Timofeev. NTO 3 no. 3: 58 Mr '63.

Contribution of science to practical work. O. Shcherben'. Nauka i zhyt'ia 12 no. 2:1 F '63.

Current problems of the economic efficiency of capital investments and new machinery. A. Shuster. Vop. ekon. no. 4:159-160 Ap '63.

Dictionary of technical progress. Nauka i zhizn' 30 no. 1:27-28 Ja '63.

Discussing innovations and inventions in physics lessons. V. F. Orlov, M. V. Bal'tsova. Fiz. v shkole 23 no. 1: 74-76 Ja-F '63.

Economic alphabet. N. Besonov. Izobr. i rats. no. 3: 46 '63.

Fair exhibiting innovators' suggestions. N. Serpov. Klub 12 no. 10:4-6 O '62.

From foreign countries. Izobr. i rats. no. 3:47-48 '63.

From the notebook of the technologist of "Izobretatel' i ratsionalizator." Izobr. i rats. no. 3:18 '63.

Improved means for minor mechanization. V. A. Shal'nov, B. P. Barmin. Mashinostroitel' no. 3:14-15 Mr '63.

In the world of science and technology abroad. Prom. Arm. 6 no. 1:86-87 Ja '63.

In the world of science and technology in the U. S. S. R. Prom. Arm. 6 no. 1:64-66 Ja '63.

Interesting things in brief. Smena 30 no. 17: 13 S '62.

Mechanized means for the storage and conveying of die-casting molds and dies. L. A. Shepikovskii. Mashinostroitel' no. 3:13 Mr '63.

New techniques for fastening pipes and stamping tubular parts. V. Ivanov. Mashinostroitel' no. 3:32 Mr '63.

News from five continents. IUn. tekhn. 7 no. 4:26, 28 Ap '63.

News from five continents. IUn. tekhn. 7 no. 12:14-15 D '62.

News in chemical science and technology; from the pages of "Ekonomicheskaya gazeta." 1962. Khim. v shkole 18 no. 1:84-85 Ja-F '63.

Notes on Soviet science and technology. Nauka i zhizn' 30 no. 1:32-32d Ja '63.

Promote the activities of inventors. V. B. Kantor. Put' i put. khoz. 7 no. 3:37-39 '63.

Tables with pneumatic clamps. E. Loshchagina. Mashinostroitel' no. 3:28 Mr '63.

Technical information. N. Kopylov and others. Okhr. truda i sots. strakh. no. 4:32-43 Ap '63.

There won't be any fairy tales. N. Krutkova. Izobr. i rats. no. 3:14 '63.

This can be used in your enterprise. Mashinostroitel' no. 3:28-27 Mr '63.

This is the way we are living. Izobr. i rats. no. 3:36-37 '63.

Voluntary workers are a reliable support. N. Tikhomirov. NTO 5 no. 3:23-26 Mr '63.

Voluntary working systems. G. L. Nevolskii. Mashinostroitel' no. 3:36-38 Mr '63.

With a hidden magnetic sound recorder. I. Ivanov. Izobr. i rats. no. 3:35 '63.

Wonderful co-author. V. Belov. IUn. tekhn. 7 no. 4:12-16 Ap '63.

TECHNOLOGICAL INNOVATIONS—SAFETY MEASURES

Zlobnitskii, B. M. [Safety engineering] Tekhnika bezopasnosti. Moskva, Mashgiz, 1963. 186 p.

TECHNOLOGY

Akademiia nauk URSS. Kiev. Sektor istorii tekhniki i estestvoznaniia. [Problems in the history of science and technology] Problemy istorii nauki i tekhniki. Kiev, Izd-vo Akad. nauk URSS, 1963. 138 p.

Economic problems of technical progress. K. I. Klimenko, I. M. Budnitskii. Vest. AN SSSR 33 no. 4:45-53 Ap '63.

Moscow. Institut narodnogo khoziaistva. [Collection of student papers] Sbornik studenticheskikh nauchnykh rabot. Moskva, 1962. 118 p.

News from five continents. IUn. tekhn. 7 no. 2:16-17 F '63.

News in science and technology. Fiz. v shkole 23 no. 1: 12-13 Ja-F '63.

Pokrovskii, G. I., and I. A. Moralevich. [To the forefront of a bold dream] Na porodni kraj smeloi mechty. [Moskva] Molodaya gvardia, 1962. 207 p.

Promote technological progress. N. Vil'chur. Bibliotekar' no. 2:7-9 F '63.

Several economic aspects of a uniform technological policy. S. Kheiman. Vop. ekon. no. 4:20-32 Ap '63.

TECHNOLOGY—BIBLIOGRAPHY see Bibliography—Technology

TECHNOLOGY—CONGRESSES

Conference on the technical and natural sciences. I. I. Gurchin. Izv. vys. ucheb. zav.; elektromekh. 8 no. 2: 281-282 '63.

TECHNOLOGY—INFORMATION SERVICES

Technical information. V. A. Popov. Standartizatsia 27 no. 3:47-48 Mr '63.

TECHNOLOGY AND CIVILIZATION

Zagorodnaya, A. M. [Main trends of technological progress] Osnovnye napravleniia tekhnicheskogo progressa. [Moskva] Mosk. rabochii, 1963. 71 p. (Osnovy ekonomicheskikh znaniy - kazhdomu rabochemu)

TEETH

Variations in the structure of teeth of the field mouse *Microtus arvalis* Pall. M. D. Martynova. Nauch. dokl. vys. shkoly; biol. nauki no. 2:53-57 '63.

TEETH—ABNORMALITIES AND DEFORMITIES

Clinical manifestation of Popov's phenomenon. V. A. Val'shtein. Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:218-222 '61.

Late results of orthopedic treatment of pyorrhea alveolaris by V. I. Kurilandskii's method. O. G. Berezkina. Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2: 223-227 '61.

TEETH—DISEASES see subdivision under Amur Province; Smolensk Province

TEETH—EXTRACTION

Hemorrhages following tooth extraction. M. M. TSarkanskii. Stomatologiya 41 no. 5:44-45 S-O '62.

Postextraction complications, their treatment and prevention. R. B. El'chibekova. Sbor. nauch. -prakt. rab. Poliklin. im. F. E. Dzerzh. no. 2:176-184 '61.

TEETH—RADIOGRAPHY

X-ray structural analysis of normal and fluoridized teeth. A. N. Shadrina. Stomatologiya 41 no. 5:16-17 S-O '62.

TELECOMMUNICATION

Along the road of reorganization. A. M. Malakhiev. Vest. aviatsii 23 no. 4:18-19 Ap '63.

Concerning a certain method for decreasing transient noises in multiple-beam communication channels transmitting FM signals. A. S. Nemirovskii. Elektrosviaz' 17 no. 5:24-26 My '63.

Economic planning work should be improved. M. A. Shvechikov. Vest. aviatsii 23 no. 4:10-12 Ap '63.

Evaluation of the interference rejection of a telegraph receiver during the integration of a signal after the detector. V. S. Mel'nikov. Elektrosviaz' 17 no. 5:3-8 My '63.

Measurement of the time discrepancy between color and brightness signals. L. N. Krylov, R. L. Marcin. Elektrosviaz' 17 no. 3:41-49 Mr '63.

Study of a Chebyshev-type vocoder. V. I. Kulik. Elektrosviaz' 17 no. 3:22-30 Mr '63.

Transient processes in resonant systems with phase keying of the oscillations. V. V. Sokolov, M. I. Pelekhatyi. Elektrosviaz' 17 no. 4:33-38 Ap '63.

TELECOMMUNICATION—ABSTRACTS

[Radio engineering and telecommunication] Ref. zhur.: Radiotekhn. i elektrosviaz' no. 5 My '63.

TELECOMMUNICATION—ACCOUNTING

Tlichenko, M. P., and S. G. Lyov. [Accounting in self-supporting communications enterprises] Bukhgalterskii uchët v khozraschetnykh predpriiatiakh svyazi. Moskva, Gos. izd-vo lit-ry po voprosam aviatsii i radio, 1960. 95 p. (CU)

TELECOMMUNICATION—BIBLIOGRAPHY see Bibliography—Telecommunication

TELECOMMUNICATION—EMPLOYEES

Development of a communist attitude toward work is the most important objective. L. A. Iakovlev. Vest. aviatsii 23 no. 4:25-29 Ap '63.

The dignity of a Soviet telecommunication worker should be valued. N. F. Gilev. Vest. aviatsii 23 no. 4:28-30 Ap '63.

Intensify the movement for communist labor among the telecommunication workers. A. M. Kanayeva. Vest. aviatsii 23 no. 4:22-23 Ap '63.

Spare no effort in fulfilling the program of the fifth year of the seven-year plan ahead of schedule. Vest. aviatsii 23 no. 4:1-2 Ap '63.

They serve the public. D. A. Egorov. Vest. aviatsii 23 no. 4:23-24 Ap '63.

TELECOMMUNICATION—HANDBOOKS, MANUALS, ETC

Alekseev, K. A., A. I. Orlov, and V. O. Savanchuk. [Manual for rural telecommunication workers] Poisbnyk sll'akho zv'iazkivlia. Vyd. 2., perer. ta dop. Kyiv, Dorzhtekhvydav URSS, 1962. 433 p.

TELECOMMUNICATION—PATENTS

Certificates of invention. Elektrosviaz' 17 no. 3:73-74 Mr '63.

Certificates of invention. Elektrosviaz' 17 no. 4:73-74 Ap '63.

Certificates of invention. Elektrosviaz' 17 no. 5:74-75 My '63.

Foreign patents. Elektrosviaz' 17 no. 5:76 My '63.

TELEGRAPH

(see also subdivision under Vilnius)

Analysis of the operation of the receiving devices of new start-stop telegraph apparatus. G. U. Osipenko. Elektrosviaz' 17 no. 4:63-60 Ap '63.

Evaluation of the interference rejection of a telegraph receiver during the integration of a signal after the detector. V. S. Mel'nikov. Elektrosviaz' 17 no. 5:3-8 My '63.

Iarotskii, A. V. [Basic stages in the development of telegraphy; early history of electronic control and code pulse techniques] Osnovnye etapy razvitiia telegrafii; zarozhdeniie elektronnoy i kodovoy impul'snoi tekhniki. Moskva, Gosenergoizdat, 1963. 79 p.

Phase compensation of start-stop apparatus. A. S. Seifanov. Elektrosviaz' 17 no. 3:58-63 Mr '63.

TELEGRAPH—EMPLOYEES

High quality of work is a problem of utmost importance confronting the telegraph workers. Vest. aviatsii 23 no. 4:13-14 Ap '63.

TELEGRAPH—EQUIPMENT AND SUPPLIES

Electronic transducer of pulses with one second duration. N. M. Abramov. Vest. aviatsii 23 no. 4:7-8 Ap '63.

TELEMETERING

Aliev, T. M. and others. [Teledynamometering of deep well pumps] Teledinamometrirovaniye glubinnonagornnykh skvazhin. Baku, Azerbaidzhanskoe gos. izd-vo, 1963. 101 p.

TELEPHONE

(see also subdivision under Leningrad)

Grishko, N. A., and A. V. Sheremetev. [VUS-12-2 auxiliary repeater stations] Vspomogatel'nye ustroystva stantsii VUS-12-2. Moskva, Svyaz'izdat, 1962. 62 p. (Lektsii po tekhnike svyazi)

[K-1920 high-frequency telephone system] Sistema vysokochastotnogo telefonirovaniya K-1920; informatsionnyi sbornik. [By] A. S. Blokhin i dr. Moskva, Svyaz'izdat, 1962. 319 p. (Tekhnika svyazi)

Krutchkov, V. F., and V. A. Nikol'skii. [This is what the telephone operator of railroad transportation should know] Chto dolzhna znat' telefonistka transportnoi svyazi. Moskva, Transzheldorizdat, 1963. 129 p.

Some probability characteristics of a telephone signal with a difference envelope. V. I. Aizenberg, L. I. Bialyi. Elektrosvyaz' 17 no. 3:3-7 Mr '63.

Survey of recent work in the field of telephone communication. G. P. Basharin, M. A. Shneps. Elektrosvyaz' 17 no. 5:41-48 My '63.

TELEPHONE LINES—HANDBOOKS, MANUALS, ETC.

Dubrovskii, E. P. [Training sites for linemen engaged in welding cables and work on municipal telephone networks] Uchebnye poligony dlia podgotovki kabel'shchikov-svayshchikov i linnykh monterov svyazi gorodskikh telefonnykh setei. Moskva, Proftekhizdat, 1962. 163 p.

TELEPHOTOGRAPHY—EQUIPMENT AND SUPPLIES

Homemade telephoto lens. D. Starodub. Nauka i zhytiia 12 no. 2:62 F '63.

TELESCOPE

New astronomical instrument (from "Wissen und Leben"). H. Bek. Nauka i zhytiia 12 no. 2:54 F '63.

TELETYPE

Analysis of the operation of the receiving devices of new start-stop telegraph apparatus. G. U. Osipenko. Elektrosvyaz' 17 no. 4:53-60 Ap '63.

Phase compensation of start-stop apparatus. A. S. Solivanov. Elektrosvyaz' 17 no. 3:56-63 Mr '63.

TELEVISION

Krivoshchev, M. I. [Methods for evaluating and measuring linear and nonlinear distortions in a video channel] Sposoby otsenki i izmereniia lineinykh i nelineinykh iskazhenii, voznikayushchikh v videokanale; lektsiia dlia studentov-zachnikov i lineinykh monterov svyazi otdel VZEIS, 1961. 96 p.

Modulator-demodulator for television video magnetic tape recorder systems [with summary in English on p. 86]. V. F. Vorob'ov, A. A. Rikken. Tekh. kino i telev. 7 no. 4:11-18 Ap '63.

"Television engineering handbook [translated from the English] edited by D. G. Fluk; a review. Tekh. kino i telev. 7 no. 4:91 Ap '63.

Ways of the development and use of the U.S.S.R. television network. S. Marisonitsen. Tekh. kino i telev. 7 no. 4:54-56 Ap '63.

TELEVISION—ABSTRACTS

Television. Tekh. kino i telev. 7 no. 4:80-83 Ap '63.

TELEVISION—ANTENNAS

Redesigning of the antenna systems of television stations for transmission of two programs. V. D. Kuznetsov, N. V. Sosnukova. Vest. svyazi 23 no. 4:3-6 Ap '63.

TELEVISION—EQUIPMENT AND SUPPLIES

Horizontal time-base generator with high linearity [with summary in English on p. 80]. N. M. Pavlov. Tekh. kino i telev. 7 no. 4:45-49 Ap '63.

Improvement of the master unit of the synchronizing generator. I. S. Komar. Tekh. kino i telev. 7 no. 4: 69-70 Ap '63.

TELEVISION—INTERFERENCE

Influence of the image sharpness on the visible effect of noise [with summary in English on p. 86]. N. N. Kravtchuk. Tekh. kino i telev. 7 no. 4:18-22 Ap '63.

TELEVISION—MAINTENANCE AND REPAIR

see subdivision under Kharkov

TELEVISION—PICTURE TUBES

Effect of the beam focusing of the cathode-ray tube on the reproduction of its light characteristics. I. U. P. Sidel'nikov. Tekh. kino i telev. 7 no. 4:67-68 Ap '63.

TELEVISION—RECEIVERS AND RECEPTION

The "Smena" portable television set. Tekh. kino i telev. 7 no. 4:95 Ap '63.

TELEVISION—RECEIVERS AND RECEPTION—TESTING

Generalized frequency criterion for evaluating the accuracy of image reproduction [with summary in English on p. 98]. L. I. Khromov, V. I. Resin. Tekh. kino i telev. 7 no. 4:38-44 Ap '63.

TELEVISION—TRANSMITTERS AND TRANSMISSION

Redesigning of the antenna systems of television stations for transmission of two programs. V. D. Kuznetsov, N. V. Sosnukova. Vest. svyazi 23 no. 4:3-6 Ap '63.

TELEVISION BROADCASTING

(see also subdivision under Altai Territory; Italy; Krasnoyarsk Territory; Moscow; Paris; Sochi; Tashkent; United States)

The experience with one more questionnaire. A. Grigor'eva. Sov. radio i tel. 11 no. 11:16 N '62.

For the people as workers, for the people as creators. Sov. pech. no. 4:33-36 Ap '63.

Important unit. Sov. radio i tel. 12 no. 1:1 Ja '63.

"KVN" [club of the gay and resourceful] smiles, "KVN" laughs. E. Danilova. Smena 39 no. 11:29-31 Je '62.

Polite indifference. Nik. Riazheskii. Sov. radio i tel. 12 no. 1:11 Ja '63.

Roads we're traveling. G. Sedov. Sov. radio i tel. 12 no. 1:28-30 Ja '63.

Staging, sequences, and arrangement. N. Medvedev. Sov. radio i tel. 11 no. 11:7-9 N '62.

Successful start. M. Genina. Sov. radio i tel. 12 no. 1: 22-23 Ja '63.

What is the price of a pound of laughs? V. Karbovskina. Sov. radio i tel. 12 no. 1:16-17 Ja '63.

TELEVISION BROADCASTING OF FILMS

Pages from life. A. Mol'kumov. Sov. radio i tel. 12 no. 1:38 Ja '63.

TELEVISION BROADCASTING OF NEWS

The honor of a journalist. A. D'ina. Sov. radio i tel. 12 no. 1:36-37 Ja '63.

A journalist on the staff. L. Zolotarevskii. Sov. radio i tel. 12 no. 1:14-15 Ja '63.

TELEVISION CAMERAS

Focusing knob system for television camera lenses. V. S. Chibulov. Tekh. kino i telev. 7 no. 4:70-71 Ap '63.

TELEVISION IN ASTRONOMY

New astronomical instrument (from "Wissen und Leben"). H. Bek. Nauka i zhytiia 12 no. 2:54 F '63.

Television photographs of the moon. N. F. Kuprevich. Priroda 52 no. 4:90-93 '63.

TELEVISION PLAYS

"Good night, children!" O. Salamov, G. Savaleva. Sov. radio i tel. 12 no. 1:10-19 Ja '63.

My anxieties. M. Pilyavskii. Teatr 24 no. 4:69-72 Ap '63.

Not without reason does all Russia remember. . . M. Markova. Sov. radio i tel. 11 no. 11:23 N '62.

Remarks on television. Iraklii Andronkov, Manana Andronikova. Isk. kino 33 no. 2:90-102 '63.

The tasteless on the screen. M. Genina. Sov. radio i tel. 11 no. 11:16-17 N '62.

TELLURIUM

Capture and trapping of electrons on positively charged tellurium atoms in germanium. K. D. Glinchuk, N. M. Litovchenko, E. G. Miselluk. Fiz. tver. tela 5 no. 3: 942-944 Mr '63.

Determining the coefficient of selenium distribution in tellurium. Sh. Movienov, A. A. Kullov. Trudy Inst. fiz. AN Azerb. SSR 11:36-41 '63.

TEMR-TAU—YOUTH

Future belongs to us. B. Iaroshevskii. Mol. komm. no. 7:23-31 Jl '62.

TEMPERATURE

(see also subdivision under Vanda, Lake, Antarctica) Temperature (to be continued). A. I. Shai'nikov, I. F. Shchegolev. Priroda 52 no. 4:11-18 '63.

TEMPERATURE—PHYSIOLOGICAL EFFECT

Effect of high temperature on blood proteins and protein fractions. F. F. Sulatnov. Zdrav. Turk. 7 no. 2:17-21 F '63.

Effect of increased temperature and complex enzymatic preparations of Aspergillus oryzae and A. awamori on the heteroenzymatic lactic acid fermentation. G. M. Smirnova. Dokl. AN SSSR 149 no. 3:714-716 Mr '63.

TEMPERATURE REGULATORS

Automatic control of superheated steam temperature in marine boilers with injection-type steam cooling systems. V. P. Kolmychikov. Sudostroenie 29 no. 4:20-31 Ap '63.

Automatic regulation and remote control of temperature in the cooking of sausage products. V. Dufetov, O. Shcherbakova. Mias. ind. SSSR 34 no. 1:28-32 '63.

Automatic regulation of temperature conditions in the candy molding section. I. S. Lur'e, S. A. Obruchkov, A. N. Iagubets. Khleb. i kond. prom. 7 no. 4:8-9 Ap '63.

Automatic temperature regulator. IUn. tekhn. 7 no. 12: 6-7 D '63.

TENDONS—WOUNDS AND INJURIES

Effect of formed blood elements on the healing of wounds of tendons and ligaments. A. A. Kuz'minykh. Trudy Kras. SKHI 3 no. 1:81-89 '63.

TENNIS

One more Metreveli. Smena 39 no. 23:24 D '62.

TENSIMETERS

Akademiia stroitel'stva i arkhitektury SSSR, Institut organizatsii, mekhanizatsii i tekhnicheskoi pomoshchi stroitel'stva. [Electrotensometer devices in construction] Elektrotenzometricheskie pribory v stroitel'stve. Moskva, Gosstroizdat, 1962. 42 p.

[MICROFILM]

TENT CATERPILLARS—BIOLOGICAL CONTROL

(see also subdivision under Tuva A. S. S. R.)

Bacteriological method for controlling the tent caterpillar Dendrolimus sibiricus. E. V. Tulalov. Zaashch. rast. ot vred. i bol. 6 no. 6:20-22 Je '61.

TEPLOYE LAKE REGION—CHUM SALMON

Fish spawning and rearing waters of the Teploye Fish Hatchery and their biological productivity. V. I. A. Levandov, I. M. Levandova. Izv. TINRO 48:3-6 '62.

Incubation of the eggs of fall-spawning Amur chum salmon in the ground. A. M. Kol'gaev, A. P. Ivanova. Izv. TINRO 48:200-210 '62.

Tannin as a means of protecting the membrane of the eggs of fall-spawning chum salmon. A. M. Kol'gaev. Izv. TINRO 48:210-212 '62.

TEPLOYE LAKE REGION—FISH CULTURE

Fish spawning and rearing waters of the Teploye Fish Hatchery and their biological productivity. V. I. A. Levandov, I. M. Levandova. Izv. TINRO 48:3-6 '62.

TEPLOYE LAKE REGION—FISHES—FOOD

Food relations of the young of fall-spawning chum salmon and freshwater salmonid fishes in the rearing waters of the Teploye Fish Hatchery. L. V. Kokhmenko. Izv. TINRO 48:67-74 '62.

TERBIUM—MAGNETIC PROPERTIES

Magnetic and hysteresis properties of dysprosium and terbium. S. A. Nikitin. Fiz. met. i metalloved. 15 no. 2:167-193 F '63.

TEREKINSKIY DISTRICT—RETAIL TRADE—AUDITING

Deserving attention. N. Zhigalov. Koop. Kazakh. 5 no. 11:26 N '62.

TERENT'EV, BORIS MDKIAILOVICH, 1913-

H. M. Terent'ev; on his 50th birthday. E. Zharkovskii. Sov. muz. 27 no. 4:143-144 Ap '63.

TEREN'-UZYAK—RETAIL TRADE

This is how overstocking originates. L. Tian. Koop. Kazakh. 5 no. 11:25 N '62.

TEREPHTHALIC ACID

Determination of benzoic, isophthalic, and terephthalic acids in their mixtures. M. S. Kodner, M. P. Filippov, L. F. Gushchina. Zhur. V KHO 8 no. 2:229-230 '63.

TEREPHTHALOYL CHLORIDE

Kinetics and mechanism of the hydrolysis of carboxylic acid dichlorides. Report No. 21 Temperature dependence of the reaction rate, and the relation of activation energy and entropy to the polarity of the medium. S. G. Entelis and others. Izv. AN SSSR, Otd. khim. nauk no. 3:429-436 Mr '63.

TERMEZ—COTTON GINS AND GINNING

With the Termez trademark. A. Mailants. Uzbekiston 21 no. 12:7 D '62.

TERPENOIDS

Detection of steroids and triterpenoids by means of aldehydes [with summary in English]. V. D. Panomarev. Zhur. anal. khim. 18 no. 1:137-140 Ja '63.

TERRA COTTAS, GREEK

Late Hellenic clay female statuettes. K. A. Kachurja. Sov. arheol. 7 no. 2:139-150 '63.

TERRACES (GEOLOGY)

see subdivision under Dniester Valley; Kuban Valley

TERRAZZO

Terrazzo flooring for cold storages. V. M. Katanin. Khol. tekhn. 40 no. 2:52-53 Mr-Ap '63.

TESTICLE

Nucleic acid content and composition in the testes and muscles of Pekin ducks during the winter period of sexual dormancy [with summary in English]. V. M. Haidai. Ukr. biokhim. zhur. 34 no. 5:649-654 '62.

TESTICLE—ABNORMALITIES AND DEFORMITIES

Rare case of trorchidism. A. A. Popov, N. N. Sultan. Vrach. delo no. 3:151-152 Mr '63.

TESTING MACHINES

Some geometrical sources of the defects of testing machines with pendulum dynamometers and uniform scale. A. P. Savvin. Izv. vys. ucheb. zav. i tekhn. tekhn. prom. no. 1:149-152 '63.

TESTING MACHINES—ABSTRACTS

[Precision mechanics, optics, and testing apparatus]
Ref. zhur.: Toch. mekh., opt. i isp. app. no. 5 My '63.

TESTS, MEDICAL see Medical tests

TEUTONIC KNIGHTS

Peter I and the former Teutonic Order, L. I. A. Leamont, Ist. zap. 73:300-305 '63.

TEUTONIC LANGUAGES see Germanic languages

TEXTBOOKS

In the Ministry of Education of the R. S. F. S. R. Nach. shkola 31 no. 2:92-93 F '63.

TEXTILE FABRICS

(see also subdivision under Communist Countries; Glukhovo; Great Britain; Hungary)

Assortment and manufacturing technology of napped knitted fabrics made with the addition of synthetic fibers, K. M. Kozenko, Leh. prom. no. 1:67-70 Ja-Mr '63.

Metallized textiles, Nauka i zhytla 12 no. 2:45 F '63. New decorative fabrics, L. E. Zhogol', Tekst. prom. 23 no. 3:9-12 Mr '63.

Structure of fabric elements, G. I. Sellivanov, Tekst. prom. 23 no. 3:45-52 Mr '63.

Talyzin, M. D., and others, [Pile fabrics and artificial fur] Vostochny ianki i iskusstvennyi mekh. Pod obshchey red. M. D. Talyzina, Moskva, Rostekhizdat, 1963, 351 p.

"Theoretical studies of the structure of linen weave fabrics" by V. I. Smirnov. Reviewed by N. Strizakov, Tekst. prom. 23 no. 4:84-86 Ap '63.

Using the "thermosol" method for dyeing textile fabrics, A. A. Staronkol'ski, Tekst. prom. 23 no. 3:61-63 Mr '63.

TEXTILE FABRICS—DRYING

Experimental testing of fabric drying in a fluidized heat carrier, V. D. Gvozdev, I. U. V. Butnov, L. V. Krylova, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:133-141 '63.

TEXTILE FABRICS—TESTING

(see also subdivision under Czechoslovakia)

Evaluating the crease resistance of textile fabrics, I. S. Morozovskaya, Standartizatsiya 27 no. 2:27-30 F '63.

Method for determining the weather resistance of textile fabrics, E. G. Elges, S. I. Durkina, Standartizatsiya 27 no. 4:48-53 Ap '63.

Selecting the length of the working part of the sample strip in determining the strength of fabrics, A. Roznycki, Tekst. prom. 23 no. 4:75-78 Ap '63.

TEXTILE FACTORIES see subdivision under Kharkov

TEXTILE FACTORIES—HEATING AND VENTILATION

Studying the various ventilation systems in rooms without natural light, A. I. Vinilova, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:123-132 '63.

TEXTILE FIBERS

Evaluating the mixing quality of component blocks in small samples of the mixture, M. V. Emmanuel', Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:53-59 '63.

TEXTILE FIBERS—ELECTRIC PROPERTIES

Device for determining the magnitude and sign of the static charge occurring in fibrous materials, N. A. Boredayakii, Tekst. prom. no. 2:72-74 F '63.

TEXTILE FIBERS, SYNTHETIC

(see also subdivision under Korea, North)

Experience in the use of synthetic fibers in woolen pile fabrics, V. B. Korsakova, Tekst. prom. 23 no. 3:10-22 Mr '63.

Moritshevich, I. I., [Use of synthetic fibers in the felt industry] Ispol'zovanie iskusstvennykh volokon v valial'no-vochnoi promyshlennosti, Moskva, Rostekhizdat, 1963, 115 p.

Methods for the manufacture of bulked yarn, Zh. S. Grigorov, Leh. prom. no. 1:57-80 Ja-Mr '63.

Quantitative analysis of synthetic heterochain fibers, I. A. Votyelov, N. D. Kalozhnikov, Tekst. prom. 23 no. 3:72-80 Mr '63.

Use of bulked loop yarn in the manufacture of knit goods, V. D. Golovina, Leh. prom. no. 1:60-65 Ja-Mr '63.

Use of cotton systems for the manufacture of yarn from nitron staple, P. B. Levi, Tekst. prom. 23 no. 3:15-19 Mr '63.

Using prototypes as base for the development of flow sheets for the manufacture of woolen fabrics mixed with lavsan and nitron, V. P. Shmulovitch, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:80-87 '63.

TEXTILE FIBERS, SYNTHETIC—TESTING

Effect of preliminary thermal processing on the technological characteristics of "lavsan," V. E. Gusev, K. S. Simakov, Tekst. prom. no. 2:38-45 F '63.

TEXTILE FINISHING

(see also subdivision under Czechoslovakia)

"Final finishing of textiles" by V. Felix. Reviewed by L. S. Rozhkova, Tekst. prom. 23 no. 4:87 Ap '63.

TEXTILE INDUSTRY

(see also subdivision under Bulgaria; Cheboksary; China; Communist Countries; Czechoslovakia; Minsk; Moldavia; Moscow; Poland; Rumania; Voronezh)

Constantly improve the quality of production, Tekst. prom. 23 no. 3:1-2 Mr '63.

Initiative of the greatest importance, A. I. Mudrov, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:187-189 '63.

Patriotic initiative of assistant foreman M. V. Kulikova in operation, V. V. Kokurin, V. I. Medvedev, Tekst. prom. no. 2:1-3 F '62.

TEXTILE INDUSTRY—ACCOUNTING

Comprehensive mechanization of accounting is an important potential for saving labor in the textile industry, I. A. Roshal', Sots. trud 8 no. 4:93-99 Ap '63.

TEXTILE INDUSTRY—AUDITING AND INSPECTION see subdivision under Tashkent

TEXTILE INDUSTRY—BIBLIOGRAPHY see Bibliography—Textile industry

TEXTILE INDUSTRY—EQUIPMENT AND SUPPLIES

Equipment for textile stores, E. Kalugin, Sov. torg. 36 no. 2:46-48 F '63.

TEXTILE INDUSTRY—HYDRAULIC EQUIPMENT

Hydraulic method of scutching fibrous materials, V. L. Zotov, Tekst. prom. no. 2:23-24 F '63.

TEXTILE INDUSTRY—HYGIENIC ASPECTS

Correct organization of work is a guarantee of reduced fatigue, S. Gorskov, Okhr. truda i sots. strakh. no. 4: 8-9 Ap '63.

TEXTILE INDUSTRY—MANAGEMENT

Strengthen the links between economics and production; results of the conference on textile industry economics, T. B. Pollak, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:3-8 '63.

TEXTILE INDUSTRY—PERIODICALS

Brief information on new developments in foreign technology, Tekst. prom. 23 no. 3:88-92 Mr '63. Brief information on the new developments in foreign technology, Tekst. prom. no. 2:85-89 F '63.

TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

see subdivision under Moscow

TEXTILE MACHINERY

(see also subdivision under Poland; Tashkent; Uzbekistan)

Designing thread tension devices with washers, V. N. Garbaruk, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:91-95 '63.

Machine for rubber covering, E. I. Frenkel', Tekst. prom. 23 no. 3:92 Mr '63.

Mathematical theory of some elements of automatic control instruments, G. I. Tuchina, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:142-147 '63.

Purification of dusty air, B. M. Vladimirov, Tekst. prom. no. 2:40-50 F '63.

Spinning breakers for rag processing, L. M. Glotser, Tekst. prom. no. 2:79-82 F '63.

Theory of false twisting in the manufacture of elastic (holanca) yarn, G. V. Sokolov, Tekst. prom. 23 no. 3: 34-39 Mr '63.

TEXTILE MACHINERY—ELECTRIC PROPERTIES

New type of ionizing static eliminator, P. A. Polonik, Tekst. prom. 23 no. 3:82-85 Mr '63.

TEXTILE MACHINERY—TECHNOLOGICAL INNOVATIONS

Proposals of efficiency promoters, D. M. Biblin and others, Leh. prom. no. 1:56-58 Ja-Mr '63.

TEXTILE PRINTING

Artistic finishing of modern printed fabrics for clothing, I. U. N. Tukhtarova, Tekst. prom. 23 no. 3:13-15 Mr '63.

Automatic system for textile printing by the phototranspostography method, T. I. Alekshvili, Tekst. prom. no. 2:83-84 F '63.

Development of the three-color textile printing; color gamut of the color triad for three-color printing, E. O. Vil'dt and others, Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:103-109 '63.

TEXTILE PRINTING—EQUIPMENT AND SUPPLIES

Corrosion of the color decolor inprinting with insoluble azo dyes, S. N. Iablokova, Tekst. prom. 23 no. 3: 67-69 Mr '63.

TEXTILE RESEARCH

(see also subdivision under Communist Countries; Ukraine)

Moscow, (Province) Oblastnoi sovet narodnogo khoziaistva, [Experiments in the improvement of the technology of wool and silk manufacture] Opyt sovershenstvovaniia tekhnologii shorstianogo i shelkovogo proizvodstva; sbornik statei, Moskva, Tsentr. biuro tekhn. informatsii, 1962, 55 p.

[MICROFILM]

Nauchno-tekhnicheskii seminar "Mekhanizatsiia, avtomatizatsiia, progressivnaia tekhnologiya v tekstil'noi promyshlennosti i novyi assortiment tkanei," 1962. [Materials of the Scientific and Technical Seminar on the "Mechanization, Automation and Advanced Technology in Weaving and the New Assortment of Textile Materials" seminar, Moskva, Ob-vo po razpr. ostrykh nlin polit. i nauchn. znanii RSFSR, No. 1-2, 1962.]

[MICROFILM]

On the basis of volunteer participation, I. G. Kartashev, Tekst. prom. 23 no. 3:23-26 Mr '63. Progress is achieved by a close link between science and production, M. L. Belov, S. I. Leikin, Tekst. prom. 23 no. 3:26-29 Mr '63.

TEXTILE WORKERS see subdivision under Lyon; Tambov Province

THAILAND—AGRICULTURE—ECONOMIC ASPECTS

In a village of Thailand [with English summary in insert p. 4], E. Kiselev, Az. i Afr. seg. no. 4:38-40 Ap '63.

THAILAND—ECONOMIC ASSISTANCE, AMERICAN

In a village of Thailand [with English summary in insert p. 4], E. Kiselev, Az. i Afr. seg. no. 4:38-40 Ap '63.

THALLIUM

Effect of an electric field on the diffusion of thallium on single-crystal germanium, N. I. Ibragimov, M. G. Shakhmatkin, A. A. Kuliev, Fiz. tver. tela 5 no. 3: 862-864 Mr '63.

THALLIUM COMPOUNDS

Structure of thin films of the compound TlBrSe, L. I. Men, S. A. Semiletov, Kristallografiia 7 no. 6:844-849 N-D '62.

THALLIUM COMPOUNDS—ELECTRIC PROPERTIES

Electric conductivity of some aminates of trivalent thallium in nitrobenzene solutions, F. I. Kul'ba and others, Zhur. neorg. khim. 8 no. 3:572-575 Mr '63.

THEATER

(see also subdivision under Armenia; Berlin; Borisov; Budapest; Bukovina; Bulgaria; Erivan; Estonia; Finland; Ghana; Great Britain; Kishinev; Latvia; Leningrad; London; Lvov; Margelan; Mexico; Minsk; Moscow; Paris; Poland; Prague; Rostov; Spain; Ukraine; Uzbekistan; Vinnitsa; White Russia; Yaroslavl; Zhitomir)

Annals in Krasnogorsk, V. Iod's, Teatr 24 no. 4:115-120 Ap '63.

Conventionality of the stage and conventionality of the screen, Liya Chulef, Isk. kino 33 no. 3:103-106 '63. Mailbox of the periodical "Teatr," Teatr 24 no. 3:141-148 Mr '63.

News from Kiev and other cities, Teatr 24 no. 3:105, 113, 116-117, 120 Mr '63.

News from Kuybyshev and other cities, Teatr 24 no. 4:122 Ap '63.

On stages of the world, Teatr 24 no. 4:154-155 Ap '63.

Open letter written to Dr. Henning Hachbieler, Lev Kopelev, Teatr 24 no. 3:143-144 Mr '63. Remarks on stage atmosphere, O. Grudstova, Teatr 24 no. 3:20-31 Mr '63.

Vladimirova, Z., ed. [Art of stage production today] Razhigorskoe iskusstvo segodnia; sbornik statei, Moskva, Iskusstvo, 1962, 381 p. (NN)

Wine and casual choice, I. U. Oanos, Teatr 24 no. 3:45-48 Mr '63.

THEATER—PERIODICALS

Repertoire of Soviet theaters and the position of the periodical "Teatr," I. U. Zubkov, Kommunist 40 no. 7:94-101 My '63.

THEATER—PRODUCTION AND DIRECTION

(see also subdivision under Kaunas)

"Art of stage-direction today," Reviewed by G. Kryzhtakii, Teatr 24 no. 4:96-100 Ap '63.

Some of A. D. Dikii's precepts, P. Erashov, Teatr 24 no. 3:64-72 Mr '63.

THEATER AUDIENCES

When I rarely go to the theater, E. Feinberg, Teatr 24 no. 4:84-86 Ap '63.

THEATER IN ART—EXHIBITIONS see subdivision under Moscow

THEATERS—FINANCE

Current economic situation of theaters, G. S. Teatr 24 no. 3:104 Mr '63.

THEATERS—STAGE SETTING AND SCENERY

Golovin's lessons, I. U. Nekhoroshev, Teatr 24 no. 3: 35-42 Mr '63.

THEFT see Larceny

THEODOLITES

Laying out an earth roadbed with a theodolite, P. N. Grinchik, Transp. stroi. 13 no. 4:47-48 F '63.

THEOLOGICAL SEMINARIES see subdivision under Odessa

THEORY OF ERRORS see Errors, Theory of

THEORY OF GAMES see Game theory

THEORY OF STRUCTURES see Structures, Theory of

THERAPEUTICS, PHYSIOLOGICAL

Tsentralfnyi nauchno-issledovatel'skiy institut kurortologii i fizioterapii. [Abstracts of reports presented at the scientific session of the Central Scientific Research Institute of Health Resort Therapy and Physiotherapy in the section "Physiotherapy in diseases of the nervous system." Referaty dokladov na nauchnoi sessii Tsentral'nogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii po razdelu "Fizicheskaya terapiya bol'nykh s zabolevaniyami nervnoi sistemy," Moskva, 29-31 marta 1961 g. Pod red. N. I. Strelkova, Moskva, 1962, 57 p.

[DNLM MICROFILM]

THERMAL ANALYSIS

Thermal decomposition of solid solutions of salts, Part 2: Thermography of binary solid solutions of iron group metal oxalates. V. I. Kornienko, M. N. Dubrovskaya, G. M. Shapovalova. Ukr. khim. zhur. 29 no. 3:271-278 '63.

Thermographic and calorimetric study of the system samarium trichloride - potassium chloride. Sun IUI-lin' [Sung Yu-lin], G. I. Novikov, Zhur. neorg. khim. 8 no. 3:700-703 Mr '63.

THERMAL STRESSES

Crack formation during the welding of copper containing bismuth. IU. M. Korotuk, Avtom. svar. 16 no. 4:24-28 Ap '63.

Hot cracking. D. P. Lebed', V. S. Sidoruk. Avtom. svar. 10 no. 2:41-42 F '63.

Increasing of plastic deformation zones in T-joint elements during the automatic welding of a second corner joint. V. I. Tereghchenko, A. A. Zabud'ko. Avtom. svar. 16 no. 4:50-54 Ap '63.

Leibenzon's method in the theory of thermal stress. I. P. Tsai. Izv. AN Uz. SSR, Ser. fiz. - mat. nauk 7 no. 1:80-82 '63.

Residual stresses and the warping of iron castings. O. IU. Kotsiubinskiy and others. Lit. protzv. no. 4:20-31 Ap '63.

Shrinkage cracks during iron casting in metal molds. L. B. Kogan and others. Lit. protzv. no. 4:32-34 Ap '63.

Simultaneous conference of sections of scientific technological organizations on problems of stress concentrations in welded structures. Sudostroenie 29 no. 3:70 Mr '63.

Stability of welded joints in 26-5 type ferrite-austenite steel against zone cracking. I. A. Zaks. Avtom. svar. 16 no. 3:21-27 Mr '63.

Use of undulated surfaces for the control of hot cracking in steel castings. IA. I. Sklennik, A. I. Batsychev. Lit. protzv. no. 4:1-3 Ap '63.

Ways of reducing welding deformations in structures of aluminum-magnesium alloys. A. A. Kuznetsov, A. IA. Nedosheka. Avtom. svar. 10 no. 4:41-40 Ap '63.

THERMAL WATERS

(see also subdivision under Siberia, Western; Stavropol region)

Hot underground waters. Priroda 62 no. 4:116 '63.

THERMIONIC EMISSION

Secondary electron emission from tungsten, tantalum, and yttrium oxide in the presence of a thermionic emission current. A. R. Shul'man, IU. A. Morozov, I. N. Petrov. Fiz. tver. tela 5 no. 3:839-842 Mr '63.

THERMOCOUPLES

Contact thermocouple. A. N. Smolnikov, S. A. Il'ichev. Lit. protzv. no. 4:44 Ap '63.

Temperature measurement with copper-constantan thermocouples. R. I. Efremova and others. Izv. tekhn. no. 3:26-28 Mr '63.

THERMOCOUPLES--TESTING

Distorting effect of oxides on the readings of a natural thermocouple. G. I. Iakunin, V. A. Mirbabaev. Izv. AN Uz. SSR, Ser. tekhn. nauk 7 no. 2:64-67 '63.

Results of the investigation of differential thermocouple batteries. V. V. Vlasov. Priboirostroenie no. 4:27-28 Ap '63.

THERMODYNAMICS

Calculation of the heating of bodies subject to the action of radiant heat using the similitude theory. G. P. Boikov. Trudy MIIT no. 139:105-110 '61.

Calorimetric method for checking techniques used in determining boundary conditions in nonstationary heat exchange. E. V. Kudriavtsev, K. N. Chukalov. Trudy MIIT no. 139:131-134 '61.

Experimental study of the heat emission of carbonic acid in pipes of thermodynamic crisis during turbulent flow in pipes. B. N. Kolbasov. Trudy MIIT no. 139:193-200 '61.

Fisher, I. Z. [Statistical theory of liquids] Statisticheskaya teoriya zhidkostei. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1961, 280 p. diagrs. (Sovremennyye problemy fiziki) (RPB)

Gruneisen's coefficient. V. IA. Vashchenko, V. N. Zubarev. Fiz. tver. tela 5 no. 3:886-890 Mr '63.

Heat similitude, convective heat exchange, and entropy. IA. I. Assin. Trudy MIIT no. 139:78-81 '61.

Kalafati, D. D. [Thermodynamic cycles of atomic electric power plants] Termodynamicheskie tsikly atomnykh elektrostani. Moskva, Gosenergoizdat, 1963, 279 p.

Litvin, A. M. [Engineering thermodynamics] Tekhnicheskaya termodynamika. Izd. 4, perer. i dop. Moskva, Gosenergoizdat, 1963, 311 p.

Mechanical study of thermodynamic cycles. B. A. Sheherbakov. Nauch. trudy Tul. gor. inst. no. 3:184-175 '61.

Simulation of gas exchange processes in two-cycle engines. M. G. Kruglov, N. P. Kozlov. Trudy MIIT no. 139:244-254 '61.

Some laws governing complex heat exchange. P. K. Konakov. Trudy MIIT no. 139:82-84 '61.

Stability of solutions in the stationary theory of thermal explosions. A. G. Istratov, V. B. Librovich. Prikl. mat. i mekh. 27 no. 2:343-347 Mr-Apr '63.

Study of complex heat exchange in a cooled canal. L. A. Gortainov. Trudy MIIT no. 139:101-105 '61.

Study of complex heat exchange in combustion chambers. V. T. Kurnakov. Trudy MIIT no. 139:84-90 '61.

Study of mutual relationship between aerodynamic and convective heat exchange in the gas conduits of water-tube marine boilers. A. N. Khoze, O. N. Lebedev. Trudy MIIT no. 139:206-209 '61.

THERMODYNAMICS--CONGRESSES

Thematic conference devoted to the theory of regular thermal conditions. V. I. Krylovich, I. P. Zhuk. Inzh. - fiz. zhur. 6 no. 3:118-123 Mr '63.

THERMOELECTRIC APPARATUS AND APPLIANCES

Simple transistor thermorelays. V. IA. Kozhukh, Izv. tekhn. no. 8:39 Ap '62.

THERMOELECTRICITY

Distribution of potential and concentration in a low-pressure thermionic energy converter. A. A. Ostroukhov. Radiotekh. i elektron. 8 no. 4:819-821 Ap '63.

Lashkarov, G. V., A. M. Taranets, and V. S. Fomenko. [New sources of electric energy] Novye istochniki elektricheskoi energii. Kiev, Izd-vo Akad. nauk USSR, 1962, 85 p. (Nauchno-populiarnaya literatura)

THERMOMAGNETISM

"Anomaly" of the longitudinal thermomagnetic Nernst-Ettinghausen effect. N. I. Davidenko, I. G. Fakidov. Fiz. tver. tela 5 no. 3:760-772 Mr '63.

THERMOMETERS

Electric transistorized thermometer for measuring the temperature of arabic soil. Iun. tekhn. 7 no. 4:7-9 Ap '63.

Miniature platinum resistance thermometer. A. V. Voronin, V. V. Shchekochikhina. Prib. i tekhn. eksp. 8 no. 2:101-102 Mr-Apr '63.

Resistance thermometers from indium for temperatures of 3, 4° to 300°K. M. M. Orlova, L. A. Medvedeva. Prib. i tekhn. eksp. 8 no. 2:100-103 Mr-Apr '63.

THERMOMETRY

Measuring temperatures below 10°K. M. P. Orlova, D. N. Astrov. Izv. tekhn. no. 8:37-38 Ag '62.

Temperature measurement with copper-constantan thermocouples. R. I. Efremova and others. Izv. tekhn. no. 3:26-28 Mr '63.

THERMONUCLEAR REACTIONS

The humanism of science. N. N. Semenov. Priroda 62 no. 4:51-52 '63.

THERMOPLASTICS

Problem of the flow of polymer melts in circular channels [with summary in English]. V. H. Lytvynov. Prikl. mekh. 9 no. 3:322-328 '63.

THERMOSTAT

Noncontact magnetic semiconductor program temperature controller for electric furnaces. R. A. Lipman, R. I. Mazo. Priboirostroenie no. 4:16-17 Ap '63.

THIAMINE

Dynamics of some biochemical indices of thiamine metabolism in children with tuberculosis [with summary in English]. G. G. Nazarenko. Pediatria 41 [i.e. 42] no. 2:70-86 F '63.

Effect of copper, manganese, zinc, and cobalt on the vitamin B₁ requirement of animals [with summary in English]. Z. Zh. Hudo. Ukr. biokhim. zhur. 34 no. 6:840-845 '62.

Effect of feeding smelt and adding vitamin B₁ to the rations on the state of the pupples of silver foxes and the utilization of proteins by them. L. A. Shel'pak. Trudy Kras. SKH 3 no. 1:164-173 '69.

Effect of thiamine and some of its derivatives on α -amylase activity [with summary in English]. N. K. Lukashuk. Ukr. biokhim. zhur. 34 no. 6:897-901 '62.

Formation of sedoheptulose-7-phosphate in tissues of organisms with different thiamine supply [with summary in English]. IU. M. Ostrovskii. Biokhimiia 28 no. 1:22-30 Ja-F '63.

THIAZOLINE

Structure of 2-aminothiazoline. IU. N. Sheinker and others. Dokl. AN SSSR 148 no. 4:878-880 F '63.

THIENOTHIOPHENE

Thiophene series. Report No. 1: Searching for methods of synthesizing substituted compounds of thiophene. IA. L. Gol'dfarb, V. P. Litvinov. Izv. AN SSSR, Otkh. nauk no. 2:343-351 F '63.

Thiophene series. Report No. 2: Cyclization of esters of substituted (thienylmercaptol)-acetic acids and some transformations of 2-ethylthiophene. IA. L. Gol'dfarb, V. P. Litvinov. Izv. AN SSSR, Otd. khim. nauk no. 2:352-359 F '63.

THIOCYANATES

Determination of halide and thiocyanate ions by the use of mercarbides. S. V. Bleshinskiy, M. Usabukunov. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:47-51 '62.

Determination of microquantities of iodide by its catalytic action on thiocyanate oxidation reactions [with summary in English]. K. B. Atsimirskii and others. Zhur. anal. khim. 18 no. 1:103-106 Ja '63.

THIOPHENE

Synthesis and some conversions of 2-furyl-2-thienylmethane. Report No. 2: Metallation and preparation of some derivatives of 2-furyl-2-phenylmethane. IA. L. Gol'dfarb, IA. L. Danilushvili. Izv. AN SSSR, Otd. khim. nauk no. 3:540-546 Mr '63.

THIOSULFATES

Complex compounds of cobalt (III) containing a thiosulfato group. A. V. Babaeva, I. B. Baranovskii, IU. A. Kharitonov. Zhur. neorg. khim. 8 no. 3:604-611 Mr '63.

THORIUM--ANALYSIS

Analytical application of dibromoarsenazo 2. Determination of thorium in the presence of rare earths [with summary in English]. S. B. Savvin, N. N. Basargin, V. P. Makarova. Zhur. anal. khim. 16 no. 1:81-85 Ja '63.

THORIUM CARBIDES

Speed and evaporation products of a thorium carbide thermocathode. B. I. Mikhailovskii, R. I. Marchenko. Radiotekh. i elektron. 8 no. 4:680-683 Ap '63.

THORIUM COMPOUNDS

Mixed thorium complex with cupferron and 4'-nitroso-2, 2'-dihydroxy-4-methyl-5-isopropylazobenzene. V. M. Dzlonko, N. P. Rudenko, I. N. Kremenskaya. Zhur. neorg. khim. 8 no. 3:655-659 Mr '63.

THORON

Advances in the use of reagents of the group arsenazo-thoron in analytical chemistry. S. B. Savvin. Usp. khim. 32 no. 2:195-219 F '63.

THOUGHT AND THINKING

Correct use of probability techniques in analyzing thought assignments [with summary in English]. M. M. Novoselov. Vop. psikh. 9 no. 2:86-100 Mr-Apr '63.

THROMBIN

Change in the permeability of capillary vessels and the absorption of the Congo red from the blood channel by the cells of reticuloendothelium following intravenous injection of thrombin. V. E. Pastarova. Nauch. dokl. vys. shkoly biol. nauk no. 2:105-108 '63.

THROMBOPHLEBITIS

Thrombophlebitis of the facial veins. O. M. Omboeva. Stomatologiya 41 no. 5:38-40 S-O '62.

THROMBOSIS

New method for treating diseases of the blood vessels. Blok. agit. [Gruz.] 19 no. 23:3 of cover D '62.

THRUSHES see subdivision under Ural Mountains

THULIUM

Electron paramagnetic resonance of Tu^{2+} in CaF_2 . P. P. Pashinin, A. M. Frokhorov, V. T. Udovchik. Fiz. tver. tela 5 no. 4:1221-1222 Ap '63.

THYROID GLAND

Development and function of the thyroid gland and the anterior lobe of the hypophysis in the embryonic period of life of various poultry breeds. B. H. Novykov and others. Visnyk Kyiv. un. no. 3, Ser. biol. no. 1:97-107 '60.

Histogenesis of the thyroid gland and the anterior part of the hypophysis in bronze turkeys. O. H. Abramova. Visnyk Kyiv. un. no. 1, Ser. biol. no. 2:107-112 '58.

Seasonal variations of the functions of the thyroid gland in female Pekin ducks. V. H. Novikov, L. O. Salhanskaya. Visnyk Kyiv. un. no. 1, Ser. biol. no. 2:97-105 '58.

TESTING MACHINES—ABSTRACTS

[Precision mechanics, optics, and testing apparatus]
Ref. zhur.: Toch. mekh., opt. i isp. app. no. 5 My '63.

TESTS, MEDICAL see Medical tests

TEUTONIC KNIGHTS

Peter I and the former Teutonic Order. L. I. A. Lesment.
Ist. zap. 73:300-305 '63.

TEUTONIC LANGUAGES see Germanic languages

TEXTBOOKS

In the Ministry of Education of the R. S. F. S. R. Nach.
shkola 31 no. 2:82-83 F '63.

TEXTILE FABRICS

(see also subdivision under Communist Countries;
Glukhovo; Great Britain; Hungary)

Assortment and manufacturing technology of napped
knitted fabrics made with the addition of synthetic
fibers. K. M. Kozenko. Lezh. prom. no. 1:67-70 Ja-
Mr '63.

Metallized textiles. Nauka i zhytla 12 no. 2:45 F '63.
New decorative fabrics. L. E. Zhogol'. Tekst. prom.
23 no. 3:9-12 Mr '63.

Structure of fabric elements. G. I. Selivanov. Tekst.
prom. 23 no. 3:45-52 Mr '63.

Talyzin, M. D., and others. [Pile fabrics and
artificial fur] Vostochnye tkani i iskusstvennyi mekh.
Pod obshchey red. M. D. Talyzina. Moskva,
Rostekhizdat, 1963. 351 p.

"Theoretical studies of the structure of linen weave
fabrics" by V. I. Smirnov. Reviewed by N. Strinakov.
Tekst. prom. 23 no. 4:84-86 Ap '63.

Using the "thermosol" method for dyeing textile fabrics.
A. A. Staroskol'skii. Tekst. prom. 23 no. 3:61-63 Mr
'63.

TEXTILE FABRICS—DRYING

Experimental testing of fabric drying in a fluidized heat
carrier. V. D. Gvozdev, I. V. Bubnov, L. V. Krylova,
Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:133-141
'63.

TEXTILE FABRICS—TESTING

(see also subdivision under Czechoslovakia)

Evaluating the crease resistance of textile fabrics. I. S.
Morozovskaya. Standartizatsiya 27 no. 2:27-30 F '63.

Method for determining the weather resistance of textile
fabrics. E. G. Elgen, S. I. Durkina. Standartizatsiya 27
no. 4:40-53 Ap '63.

Selecting the length of the working part of the sample
strip in determining the strength of fabrics. A. Ro-
zycki. Tekst. prom. 23 no. 4:76-78 Ap '63.

TEXTILE FACTORIES see subdivision under Kharkov

TEXTILE FACTORIES—HEATING AND VENTILATION

Studying the various ventilation systems in rooms without
natural light. A. I. Vialova. Izv. vys. ucheb. zav.; tekhn.
tekst. prom. no. 1:123-132 '63.

TEXTILE FIBERS

Evaluating the mixing quality of component flocks in
small samples of the mixture. M. V. Emmanuel'. Izv.
vys. ucheb. zav.; tekhn. tekst. prom. no. 1:53-59 '63.

TEXTILE FIBERS—ELECTRIC PROPERTIES

Device for determining the magnitude and sign of the
static charge occurring in fibrous materials. N. A.
Borodovskii. Tekst. prom. no. 2:72-74 F '63.

TEXTILE FIBERS, SYNTHETIC

(see also subdivision under Korea, North)

Experience in the use of synthetic fibers in woolen pile
fabrics. V. B. Korsakova. Tekst. prom. 23 no. 3:
10-22 Mr '63.

Morizavich, I. I. [Use of synthetic fibers in the
felt industry] Ispol'zovanie iskusstvennykh volokon v
valial'no-vochnoi promyshlennosti. Moskva,
Rostekhizdat, 1963. 115 p.

Methods for the manufacture of bulked yarn. Zh. S.
Grigorian. Lezh. prom. no. 1:57-60 Ja-Mr '63.

Quantitative analysis of synthetic heterochain fibers.
I. U. A. Votselev, N. D. Katorzhnov. Tekst. prom. 23
no. 3:72-80 Mr '63.

Use of bulked loop yarn in the manufacture of knit goods.
V. D. Golovna. Lezh. prom. no. 1:60-65 Ja-Mr '63.

Use of cotton systems for the manufacture of yarn from
nitron staple. P. B. Levi. Tekst. prom. 23 no. 3:15-19
Mr '63.

Using prototypes as base for the development of flow
sheets for the manufacture of woolen fabrics mixed
with lavsan and nitron. V. P. Shmulevich. Izv. vys.
ucheb. zav.; tekhn. tekst. prom. no. 1:80-87 '63.

TEXTILE FIBERS, SYNTHETIC—TESTING

Effect of preliminary thermal processing on the techno-
logical characteristics of "lavsan." V. E. Gusev, K. S.
Simakov. Tekst. prom. no. 2:39-45 F '63.

TEXTILE FINISHING

(see also subdivision under Czechoslovakia)

"Final finishing of textiles" by V. Felix. Reviewed by
L. S. Rozhkova. Tekst. prom. 23 no. 4:87 Ap '63.

TEXTILE INDUSTRY

(see also subdivision under Bulgaria; Cheboksary;
China; Communist Countries; Czechoslovakia;
Minsk; Moldavia; Moscow; Poland; Rumania; Voronezh)

Constantly improve the quality of production. Tekst.
prom. 23 no. 3:1-2 Mr '63.

Initiative of the greatest importance. A. I. Mudrov. Izv.
vys. ucheb. zav.; tekhn. tekst. prom. no. 1:157-159 '63.

Patriotic Initiative of assistant foreman M. V. Kulikova
in operation. V. V. Kokurin, V. I. Medvedev. Tekst.
prom. no. 2:1-3 F '62.

TEXTILE INDUSTRY—ACCOUNTING

Comprehensive mechanization of accounting is an impor-
tant potential for saving labor in the textile industry.
I. A. Roshal'. Sots. trud 8 no. 4:93-99 Ap '63.

TEXTILE INDUSTRY—AUDITING AND INSPECTION see

subdivision under Tashkent

TEXTILE INDUSTRY—BIBLIOGRAPHY see Bibliog-

raphy—Textile industry

TEXTILE INDUSTRY—EQUIPMENT AND SUPPLIES

Equipment for textile stores. E. Kalugin. Sov. torg. 36
no. 2:46-48 F '63.

TEXTILE INDUSTRY—HYDRAULIC EQUIPMENT

Hydraulic method of scutching fibrous materials. V. L.
Zotov. Tekst. prom. no. 2:23-24 F '63.

TEXTILE INDUSTRY—HYGIENIC ASPECTS

Correct organization of work is a guarantee of reduced
fatigue. S. Gorskov. Okhr. truda i sots. strakh. no. 4:
8-9 Ap '63.

TEXTILE INDUSTRY—MANAGEMENT

Strengthen the links between economics and production;
results of the conference on textile industry economics.
T. B. Poliak. Izv. vys. ucheb. zav.; tekhn. tekst. prom.
no. 1:3-8 '63.

TEXTILE INDUSTRY—PERIODICALS

Brief information on new developments in foreign tech-
nology. Tekst. prom. 23 no. 3:88-92 Mr '63.

Brief information on the new developments in foreign
technology. Tekst. prom. no. 2:85-89 F '63.

TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS

see subdivision under Moscow

TEXTILE MACHINERY

(see also subdivision under Poland; Tashkent;
Uzbekistan)

Designing thread tension devices with washers. V. N.
Garbaruk. Izv. vys. ucheb. zav.; tekhn. tekst. prom.
no. 1:91-95 '63.

Machine for rubber covering. E. I. Frenkel'. Tekst.
prom. 23 no. 3:92 Mr '63.

Mathematical theory of some elements of automatic
control instruments. G. I. Tushina. Izv. vys. ucheb.
zav.; tekhn. tekst. prom. no. 1:142-147 '63.

Purification of dusty air. B. M. Vladimirov. Tekst.
prom. no. 2:49-50 F '63.

Spinning breakers for ray processing. L. M. Glotser.
Tekst. prom. no. 2:70-82 F '63.

Theory of false twisting in the manufacture of elastic
(helanca) yarn. G. V. Sokolov. Tekst. prom. 23 no. 3:
34-39 Mr '63.

TEXTILE MACHINERY—ELECTRIC PROPERTIES

New type of ionizing static eliminator. P. A. Polonik.
Tekst. prom. 23 no. 3:82-85 Mr '63.

TEXTILE MACHINERY—TECHNOLOGICAL INNOVATIONS

Proposals of efficiency promoters. D. M. Biblin and
others. Lezh. prom. no. 1:50-58 Ja-Mr '63.

TEXTILE PRINTING

Artistic finishing of modern printed fabrics for clothing.
I. U. N. Tukhtarova. Tekst. prom. 23 no. 3:13-16 Mr
'63.

Automatic system for textile printing by the phototrans-
parentography method. T. I. Aleksishvili. Tekst. prom.
no. 2:83-84 F '63.

Development of the three-color textile printing; color
gamut of the color triad for three-color printing.
E. O. Vil'dt and others. Izv. vys. ucheb. zav.; tekhn. tekst.
prom. no. 1:103-109 '63.

TEXTILE PRINTING—EQUIPMENT AND SUPPLIES

Corrosion of the color doctor in printing with insoluble
azo dyes. S. N. Iablokova. Tekst. prom. 23 no. 3:
67-69 Mr '63.

TEXTILE RESEARCH

(see also subdivision under Communist Countries;
Ukraine)

Moscow, (Province) Oblastnoi sovet narodnogo khozai-
stva. [Experiments in the improvement of the technol-
ogy of wool and silk manufacture] Opyt sovershenstvo-
vaniia tekhnologii sherstianogo i shelkovogo proizvod-
stva; sbornik statei. Moskva, Tsentr. bluro tekhn.
informatsii, 1962. 55 p.

[MICROFILM]

Nauchno-tekhnicheskii seminar "Mekhanizatsiia, avtomat-
izatsiia, progressivnaia tekhnologiia v tekstil'nom proi-
vodstve i novyi assortiment tkanei." 1962. [Materials
of the Scientific and Technical Seminar on the
"Mechanization, Automation and Advanced Technology
in Weaving and the New Assortment of Textile Fabrics"]
Materialy seminar. Moskva, Ob-vo po rasprostrane-
niu polit. i nauchn. znanii RSFSR.
No. 1-2. 1962.

[MICROFILM]

On the basis of volunteer participation. I. G. Kartashev.
Tekst. prom. 23 no. 3:23-26 Mr '63.

Progress is achieved by a close link between science
and production. M. I. Belov, S. I. Leikin. Tekst. prom.
23 no. 3:26-29 Mr '63.

TEXTILE WORKERS see subdivision under Lyon;
Tambov Province

THAILAND—AGRICULTURE—ECONOMIC ASPECTS

In a village of Thailand [with English summary in insert,
p. 4]. B. Kiselev. Az. i Afr. seg. no. 4:38-40 Ap '63.

THAILAND—ECONOMIC ASSISTANCE, AMERICAN

In a village of Thailand [with English summary in insert,
p. 4]. E. Kiselev. Az. i Afr. seg. no. 4:38-40 Ap '63.

THALLIUM

Effect of an electric field on the diffusion of thallium on
single-crystal germanium. N. I. Ibragimov, M. G.
Shakhtakhtskii, A. A. Kuliev. Fiz. tver. tela 5 no. 3:
862-864 Mr '63.

THALLIUM COMPOUNDS

Structure of thin films of the compound TlBrSe. L. I.
Man, S. A. Semiletov. Kristallografiia 7 no. 6:844-
848 N-D '62.

THALLIUM COMPOUNDS—ELECTRIC PROPERTIES

Electric conductivity of some aminates of trivalent
thallium in nitrobenzene solutions. F. I. Kul'ba and
others. Zhur. neorg. khim. 8 no. 3:672-675 Mr '63.

THEATER

(see also subdivision under Armenia; Berlin; Borisov;
Budapest; Bukovina; Bulgaria; Erivan; Estonia; Finland;
Ghana; Great Britain; Kishinev; Latvia; Leningrad;
London; Lvov; Margolan; Mexico; Minsk; Moscow;
Paris; Poland; Prague; Rostov; Spain; Ukraine;
Uzbekistan; Vinnitsa; White Russia; Yaroslavl;
Zhitomir)

Annals in Krasnogorsk. V. Icol's. Teatr 24 no. 4:115-
120 Ap '63.

Conventionality of the stage and conventionality of the
screen. L. V. Chulei. Isk. kino 33 no. 3:103-105 '63.

Mailbox of the periodical "Teatr." Teatr 24 no. 3:141-
148 Mr '63.

News from Kiev and other cities. Teatr 24 no. 3:106,
113, 110-117, 120 Mr '63.

News from Kuybyshev and other cities. Teatr 24
no. 4:122 Ap '63.

On stages of the world. Teatr 24 no. 4:154-155 Ap
'63.

Open letter written to Dr. Henning Riechbieler. Lev
Kopolev. Teatr 24 no. 3:143-144 Mr '63.

Remarks on stage atmospheres. O. Grudisova. Teatr 24
no. 3:20-31 Mr '63.

Vladimirov, Z., ed. [Art of stage production today]
Rozhisserskoe iskusstvo segodnia; sbornik statei.
Moskva, Iskusstvo, 1962. 381 p.

(NN)

Wise and casual choice. I. U. Onosa. Teatr 24 no. 3:43-
48 Mr '63.

THEATER—PERIODICALS

Repertoire of Soviet theaters and the position of the
periodical "Teatr." I. U. Zubkov. Kommunist 40
no. 7:94-101 My '63.

THEATER—PRODUCTION AND DIRECTION

(see also subdivision under Kaunas)

"Art of stage-direction today." Reviewed by G.
Kryzhitskii. Teatr 24 no. 4:98-100 Ap '63.

Some of A. D. Dikii's precepts. P. Ershov. Teatr 24
no. 3:64-72 Mr '63.

THEATER AUDIENCES

When I rarely go to the theater. E. Feinberg. Teatr 24
no. 4:84-86 Ap '63.

THEATER IN ART—EXHIBITIONS see subdivision under
Moscow

THEATERS—FINANCE

Current economic situation of theaters. O. S. Teatr
24 no. 3:104 Mr '63.

THEATERS—STAGE SETTING AND SCENERY

Golovin's lessons. I. U. Nekhoroshev. Teatr 24 no. 3:
35-42 Mr '63.

THEFT see Larceny

THEODOLITES

Laying out an earth roadbed with a theodolite. P. N.
Grinchik. Transp. stroi. 13 no. 4:47-48 p '63.

THEOLOGICAL SEMINARIES see subdivision under Odessa

THEORY OF ERRORS see Errors, Theory of

THEORY OF GAMES see Game theory

THEORY OF STRUCTURES see Structures, Theory of

THERAPEUTICS, PHYSIOLOGICAL

Tsentralfnyi nauchno-issledovatel'skii institut kurortologii i fizioterapii. [Abstracts of reports presented at the scientific session of the Central Scientific Research Institute of Health Resort Therapy and Physiotherapy in the section "Physiotherapy in diseases of the nervous system"] Referaty dokladov na nauchnoi sessii Tsentral'nogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii po razdelu "Fizicheskaya terapiya bol'nykh s zabolevaniyami nervnoi sistemy," Moskva, 20-31 marta 1961 g. Pod red. N.I. Strelkova. Moskva, 1962, 67 p.

[DNLM MICROFILM]

THERMAL ANALYSES

Thermal decomposition of solid solutions of salts, Part 2: Thermography of binary solid solutions of iron group metal oxalates. V. P. Korntenko, M. N. Dubrovskaya, G. M. Shapovalova. Ukr. khim. zhur. 20 no. 3:271-278 '63.
Thermographic and calorimetric study of the system samarium trichloride - potassium chloride. Sun Iui-lin [Sung Yu-lin], G. I. Novikov. Zhur. neorg. khim. 8 no. 3:700-703 Mr '63.

THERMAL STRESSES

Crack formation during the welding of copper containing bismuth. IU. M. Korenuk. Avtom. svar. 10 no. 4: 24-26 Ap '63.
Hot cracking. D. P. Lebed', V. S. Sidork. Avtom. svar. 16 no. 2:41-42 F '63.
Increasing of plastic deformation zones in T-joint elements during the automatic welding of a second corner joint. V. I. Terezhchenko, A. A. Zhabud'ko. Avtom. svar. 16 no. 4:50-54 Ap '63.
Leibenzon's method in the theory of thermal stress. I. P. Tsai. Izv. AN Uz. SSR, Ser. fiz. - mat. nauk 7 no. 1:80-82 '63.
Residual stresses and the warping of iron castings. O. U. Kotshubinski and others. Lit. proizv. no. 4:28-31 Ap '63.
Shrinkage cracks during iron casting in metal molds. L. B. Kogan and others. Lit. proizv. no. 4:32-34 Ap '63.
Simultaneous conference of sections of scientific technological organizations on problems of stress concentrations in welded structures. Sudostroenie 20 no. 3:70 Mr '63.
Stability of welded joints in 25-5 type ferrite-austenite steel against zone cracking. I. A. Zaka. Avtom. svar. 16 no. 3:21-27 Mr '63.
Use of undulated surfaces for the control of hot cracking in steel castings. IA, I. Shklemik, A. I. Batyashov. Lit. proizv. no. 4:1-3 Ap '63.
Ways of reducing welding deformations in structures of aluminum-magnesium alloys. A. A. Kazantsev, A. IA. Nedoseka. Avtom. svar. 10 no. 4:41-49 Ap '63.

THERMAL WATERS

(see also subdivision under Siberia, Western; Stavropol region)

Hot underground waters. Priroda 52 no. 4:115 '63.

THERMIONIC EMISSION

Secondary electron emission from tungsten, tantalum, and yttrium oxide in the presence of a thermionic emission current. A. R. Shul'man, IU. A. Morozov, I. N. Petrov. Fiz. tver. tela 6 no. 3:839-842 Mr '63.

THERMOCOUPLES

Contact thermocouple. A. N. Smolakov, S. A. Il'ichev. Lit. proizv. no. 4:44 Ap '63.
Temperature measurement with copper-constantan thermocouples. R. I. Efremova and others. Izv. tekhn. no. 3:25-28 Mr '63.

THERMOCOUPLES—TESTING

Distorting effect of oxides on the readings of a natural thermocouple. G. I. Iakunin, V. A. Mirbabaev. Izv. AN Uz. SSR, Ser. tekhn. nauk 7 no. 2:84-87 '63.
Results of the investigation of differential thermocouple batteries. V. V. Vlasov. Priboirostroenie no. 4:27-28 Ap '63.

THERMODYNAMICS

Calculation of the heating of bodies subject to the action of radiant heat using the similitude theory. O. P. Boikov. Trudy MIIT no. 139:105-110 '61.
Calorimetric method for checking techniques used in determining boundary conditions in nonstationary heat exchange. E. V. Kudriavtsev, K. N. Chakalev. Trudy MIIT no. 139:131-134 '61.
Experimental study of the heat emission of carbonic acid in the region of thermodynamic crisis during turbulent flow in pipes. B. N. Kolbasov. Trudy MIIT no. 139: 193-200 '61.

Fisher, J. Z. [Statistical theory of liquids] Statisticheskaya teoriya zhidkostei. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1961. 280 p. diagr. (Sovremennye problemy fiziki) (RPB)

Gruncison's coefficient. V. IA. Vashchenko, V. N. Zubarev. Fiz. tver. tela 5 no. 3:886-890 Mr '63.
Heat similitude, convective heat exchange, and entropy. IA. I. Asnin. Trudy MIIT no. 139:78-81 '61.

Kalafati, D. D. [Thermodynamic cycles of atomic electric power plants] Termodinamicheskie tsikly atomnykh elektrostantov. Moskva, Gosenergoizdat, 1963. 279 p.

Litvin, A. M. [Engineering thermodynamics] Tekhnicheskaya termodinamika. Izd. 4. perer. i dop. Moskva, Gosenergoizdat, 1963. 311 p.

Mechanical study of thermodynamic cycles. B. A. Sheherbakov. Nauch. trudy Tul. gos. inst. no. 3:164-175 '61.
Similitude of nonstationary heat exchange in solid bodies under identical conditions. E. V. Kudriavtsev, N. V. Shumakov. Trudy MIIT no. 139:122-130 '61.

Simulation of gas exchange processes in two-cycle engines. M. G. Kruglov, N. P. Kozlov. Trudy MIIT no. 139:244-254 '61.

Some laws governing complex heat exchange. P. K. Kona-kov. Trudy MIIT no. 139:82-84 '61.

Stability of solutions in the stationary theory of thermal explosions. A. G. Istratov, V. B. Ibrovich. Prikl. mat. i mekh. 27 no. 2:343-347 Mr-Apr '63.

Study of complex heat exchange in a cooled canal. L. A. Gorlakov. Trudy MIIT no. 139:101-105 '61.

Study of complex heat exchange in combustion chambers. V. T. Kumskov. Trudy MIIT no. 139:84-90 '61.

Study of mutual relationship between aerodynamic and convective heat exchange in the gas conduits of water-tube marine boilers. A. N. Khoze, O. N. Lebedev. Trudy MIIT no. 139:206-209 '61.

THERMODYNAMICS—CONGRESSES

Thematic conference devoted to the theory of regular thermal conditions. V. I. Krylovich, I. P. Zhuk. Inzh. - fiz. zhur. 8 no. 3:118-123 Mr '63.

THERMOELECTRIC APPARATUS AND APPLIANCES

Simple transistor thermorelays. V. IA. Kozhukh. Izv. tekhn. no. 8:30 Ag '62.

THERMOELECTRICITY

Distribution of potential and concentration in a low-pressure thermionic energy converter. A. A. Ostrovskhov. Radiotekh. i elektron. 8 no. 4:619-621 Ap '63.

Lashkarov, O. V., A. M. Taranets, and V. S. Pomenko. [New sources of electric energy] Novye istochniki elektricheskoi energii. Kiev, Izd-vo Akad. nauk USSR, 1962. 85 p. (Nauchno-popul'narnaya literatura)

THERMOMAGNETISM

"Anomaly" of the longitudinal thermomagnetic Nernst-Ettingshausen effect. N. I. Davidenko, I. G. Fakidov. Fiz. tver. tela 6 no. 3:769-772 Mr '63.

THERMOMETERS

Electric transistorized thermometer for measuring the temperature of arable soil. Uin. tekhn. 7 no. 4:7-9 Ap '63.

Miniature platinum resistance thermometer. A. V. Voronin, V. V. Shchekochikhina. Prikl. i tekhn. eksp. 8 no. 2:101-102 Mr-Apr '63.

Resistance thermometers from indium for temperatures of 3.4° to 300°K. M. M. Orlova, L. A. Medvedeva. Prikl. i tekhn. eksp. 8 no. 2:160-163 Mr-Apr '63.

THERMOMETRY

Measuring temperatures below 10°K. M. P. Orlova, D. N. Astrov. Izv. tekhn. no. 8:37-38 Ag '62.

Temperature measurement with copper-constantan thermocouples. R. I. Efremova and others. Izv. tekhn. no. 3:25-28 Mr '63.

THERMONUCLEAR REACTIONS

The humanism of science. N. N. Semenov. Priroda 52 no. 4:51-62 '63.

THERMOPLASTICS

Problem of the flow of polymer melts in circular channels [with summary in English]. V. H. Lytvynov. Prikl. mekh. 8 no. 3:322-323 '63.

THERMOSTAT

Noncontact magnetic semiconductor program temperature controller for electric furnaces. R. A. Lipman, R. I. Mazo. Priboirostroenie no. 4:16-17 Ap '63.

THIAMINE

Dynamics of some biochemical indices of thiamine metabolism in children with tuberculosis [with summary in English]. G. G. Nazarenko. Pediatria 41 [16.42] no. 2:79-85 F '63.

Effect of copper, manganese, zinc, and cobalt on the vitamin B₁ requirement of animals [with summary in English]. Z. Zh. Hude. Ukr. biokhimi. zhur. 34 no. 6: 840-845 '62.

Effect of feeding smelt and adding vitamin B₁ to the rations on the state of the puppies of silver foxes and the utilization of proteins by them. L. A. Shel'puk. Trudy Kras. SKHI 3 no. 1:164-173 '60.

Effect of thiamine and some of its derivatives on α -amylase activity [with summary in English]. N. K. Lukashik. Ukr. biokhimi. zhur. 34 no. 6:897-901 '62.

Formation of sedoheptulose-7-phosphate in tissues of organisms with different thiamine supply [with summary in English]. IU. M. Ostrovskii. Biokhimiia 28 no. 1:22-30 Ja-F '63.

THIAZOLINE

Structure of 2-aminothiazoline. IU. N. Sheinker and others. Dokl. AN SSSR 148 no. 4:876-880 F '63.

THIENOTHIOPHENE

Thiophene series. Report No. 1: Searching for methods of synthesizing substituted compounds of thiophene. IA. L. Gol'dfarb, V. P. Litvinov. Izv. AN SSSR. Ot. khim. nauk no. 2:343-351 F '63.

Thiophene series. Report No. 2: Cyclization of esters of substituted (thienylmercaptol)-acetic acids and some transformations of 2-ethylthiophene. IA. L. Gol'dfarb, V. P. Litvinov. Izv. AN SSSR. Ot. khim. nauk no. 2:352-359 F '63.

THIOCYANATES

Determination of halide and thiocyanate ions by the use of mercarbides. S. V. Bleshinski, M. Usubakunov. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no. 9:47-51 '62.

Determination of microquantities of iodide by its catalytic action on thiocyanate oxidation reactions [with summary in English]. K. B. Iatsimirskii and others. Zhur. anal. khim. 18 no. 1:103-106 Ja '63.

THIOPHENE

Synthesis and some conversions of 2-furyl-2-thienylmethane. Report No. 2: Metallation and preparation of some derivatives of 2-furyl-2-phenylmethane. IA. L. Gol'dfarb, IA. L. Danilushkevskii. Izv. AN SSSR. Ot. khim. nauk no. 3:540-548 Mr '63.

THIOSULFATES

Complex compounds of cobalt (III) containing a thiosulfato group. A. V. Babaeva, I. B. Baranovskii, IU. IA. Kharitonov. Zhur. neorg. khim. 8 no. 3:604-611 Mr '63.

THORIUM—ANALYSIS

Analytical application of dibromoarsenazo 2. Determination of thorium in the presence of rare earths [with summary in English]. S. B. Savvin, N. N. Basargin, V. P. Makarova. Zhur. anal. khim. 18 no. 1:61-65 Ja '63.

THORIUM CARBIDES

Speed and evaporation products of a thorium carbide thermocathode. B. I. Mikhailovskii, R. I. Marchenko. Radiotekh. i elektron. 8 no. 4:680-683 Ap '63.

THORIUM COMPOUNDS

Mixed thorium complex with cupferron and 4'-nitroso-2,2'-dihydroxy-4-methyl-5-isopropylazobenzene. V. M. Dziamko, N. P. Rudenko, I. N. Kremenskaya. Zhur. neorg. khim. 8 no. 3:655-659 Mr '63.

THORON

Advances in the use of reagents of the group arsenazo-thoron in analytical chemistry. S. B. Savvin. Usp. khim. 32 no. 2:105-219 F '63.

THOUGHT AND THINKING

Correct use of probability techniques in analyzing thought assignments [with summary in English]. M. M. Novoselov. Vop. psikh. 9 no. 2:96-100 Mr-Apr '63.

THROMBIN

Change in the permeability of capillary vessels and the absorption of the Congo red from the blood channel by the cells of reticuloendothelium following intravenous injection of thrombin. V. E. Pastarova. Nauch. dokl. vya. shkoly; biol. nauki no. 2:105-109 '63.

THROMBOPHLEBITIS

Thrombophlebitis of the facial veins. O. M. Omboeva. Stomatologiya 41 no. 5:38-40 S-O '62.

THROMBOSIS

New method for treating diseases of the blood vessels. Blok. agit. (Gruz.) 19 no. 23:3 of cover D '62.

THRUSHES see subdivision under Ural Mountains

THULIUM

Electron paramagnetic resonance of Tu^{2+} in CaF_2 . P. P. Pashinin, A. M. Prokhorov, V. T. Udovenchik. Fiz. tver. tela 5 no. 4:1221-1222 Ap '63.

THYROID GLAND

Development and function of the thyroid gland and the anterior lobe of the hypophysis in the embryonic period of life of various poultry breeds. B. H. Novikov and others. Vsiykh Kyiv. un. no. 3. Ser. biol. no. 1:97-107 '60.

Histogenesis of the thyroid gland and the anterior part of the hypophysis in bronze turkeys. O. H. Abramova. Vsiykh Kyiv. un. no. 1. Ser. biol. no. 2:107-112 '58.
Seasonal variations of the functions of the thyroid gland in female Pekin ducks. V. H. Novikov, L. O. Salhan's'ka. Vsiykh Kyiv. un. no. 1. Ser. biol. no. 2:97-105 '58.

THYROID GLAND—CANCER

Diagnosis of malignant neoplasms of the thyroid gland by the puncture method. V. U. Fetisov. Klin. khir. no. 5:58-61 My '62.

THYROID GLAND—DISEASES

Aggravation of thyrotoxicosis phenomena in the treatment with hormonal preparations [with summary in English]. D. D. Drozdov. Vrach. delo no. 3:26-29 Mr '63.

Character of changes in the cardiovascular system due to endocrine therapy in thyrotoxicosis. L. A. Leshchinskii, V. V. Trunov. Vrach. delo no. 3:127-130 Mr '63.

Hashimoto type thyroiditis. A. O. Likhtenshtein, A. A. Agefonov. Kaz. med. zhur. no. 5:55-56 S-O '62.

Recurrent myocardial infarctions in patients with thyrotoxicosis. V. S. Krupnikov. Shor. nauch.-prakt. rab. Poliklin. im. P. E. Dzerzh. no. 2:36-38 '61.

Use of renorphine for a patient with thyrotoxicosis and chronic nephritis with a nephrotic component. M. I. A. Livshits. Trudy MONKI no. 5:231-232 '62.

THYROID GLAND—SURGERY

Drachinskaya, E. S., and I. S. Byrdov. [Surgery of the thyroid gland] Khirurgiya shchitovidnoi zhelezy. Leningrad, Medgiz, 1963. 233 p. (Biblioteka prakticheskogo vracha) (DNLIM)

Late results of subtotal subtotal resection of the thyroid gland in thyrotoxicosis. G. V. Filimonov. Klin. khir. no. 5:61-64 My '62.

TICKS see subdivision under Alma-Ata region; Turkmenistan

TICKS AS CARRIERS OF DISEASE see subdivision under Soviet Central Asia; Turkmenistan

TIDAL POWER

"Tidal electric power stations in modern power engineering" by L. B. Bernikstein. Reviewed by V. P. Zankovitch. Okeanologiya 3 no. 2:365-366 '63.

TIDAL WAVES—MAPS

An atlas protects life. Valentin Gukov. Ogonek 41 no. 14:10-11 Mr '63.

TIAN SHAN—ACCENTORS (BIRDS)

The accentor Prunella fulvescens Rev. in the central Tian Shan. A. Kylyrallov. Ornitologiya no. 4:206-209 '62.

TIAN SHAN—GEOMORPHOLOGY

Morphology of Kok-Ata-Clap. D. Inanov. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 4:70-78 '62.

TIAN SHAN—ROCKS, IGNEOUS

Geology of granitoid and alkali intrusions in the area of the Alay and Turkestan Ranges [with summary in English]. N. F. Shinkarev. Vest. L'NU 18 no. 6:56-62 '63.

TIFLES—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

A new horizon has opened before us. G. Chikava. Blok. aglt. [Gruz.] 10 no. 23:6-7 D '62.

TIFLES—MACHINE-TOOL INDUSTRY—AUDITING AND INSPECTION

The pulse of the factory beats regularly. M. Tsanova, V. Kirtukhan. Komgom. zhizn' no. 2:5-7 Ja '63.

TIFLES—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Shop of communist labor. G. Avtandov. Avt. transp. 4 no. 8:54 Ag '62.

TIFLES—VOCATIONAL EDUCATION

The key with a hitch and industrial training. L. Dzhanov. Komgom. zhizn' no. 4:21-23 F '63.

TIGERS see subdivision under Kiev

TILES

Plant unit for the continuous production of plastic foam tiles. B. A. Golubev, I. D. Shleifer. Khim. mashinostr. no. 2:40-41 Mr-Apr '63.

Unit for the production of cement-sand tile. I. U. F. Rozentat. Mekh. stroit. 20 no. 4:22 Ap '63.

TILLAGE

(see also subdivision under Krasnoyarsk Territory) Effect of different methods of cultivation on soil microflora. L. I. Boeva. Nauch. dokl. vuz. shkoly; biol. nauki no. 2:100-100 '63.

TIMAN RIDGE—BRACHIOPODA, FOSSIL

Development of Late Paleozoic Horridonia and Spiriferella in the northern Timan Ridge. V. P. Barkhatova. Trudy VNIIGI no. 106. Paleont. sbor. no. 3:37-47 '62.

TIMAN RIDGE—FORAMINIFERA, FOSSIL

Grozilova, L. P., and N. S. Lohodeva. [Foraminifera in the Carboniferous on the western slope of the Ural and the Timan Ridge; atlas of more representative species] Foraminifery karnomougol'nykh otlozhenii zapadnogo sklona Urala i Timana; atlas naibolee kharakternykh vidov. Leningrad, Gosoptekhnizdat, 1960. 263 p. (Leningrad. Vsesoluznyi neftianoi nauchnoissledovatel'skii geologorazvedochnyi institut. Trudy, no. 100)

TIMBERING OF MINES see Mine timbering

TIME STUDY

New methods for studying and analyzing working time at Krasnoyarsk construction projects. I. A. Chernavskii. Ekon. stroit. no. 4:34-38 Ap '63.

Organizing and establishing technical work norms in industrial enterprises. A. Khudkovskii. Nar. khoz. Uzb. 5 no. 4:64-67 Ap '63.

TIMIRIAZEV, KLIMENT ARKAD'EVICH, 1843-1920

Mogilevskii, B. L. [Life of Timiriazev] Zhizn' Timiriazeva. Moskva, Gos. izd-vo det'skoi lit-ry, 1959. 200 p. (Shkol'naya biblioteka) (LU)

Noteworthy dates in science and technology. Shkola i proizv. 7 no. 4:94-96 Ap '63.

TIMOFEEV, VLADIMIR PETROVICH, 1893-

Scientist, pedagogue, and a public figure; anniversary of V. P. Timofeev. Les. khoz. 16 no. 1:93 Ja '63.

TIN CHLORIDES

Thermal and tensimetric study of the systems formed by tin chloride with alkali metal and ammonium chlorides. Li Chi-fa [Li Ch'ih-fa], I. S. Morozov. Zhur. neorg. khim. 8 no. 3:706-711 Mr '63.

TIN ORES

(see also subdivision under Chukchi National Area; Uzbekistan)

Classification of tin-bearing ores by their beneficiation properties. E. N. Vishnevskii. Obog. rud. 7 no. 2: 11-16 '62.

TIRE FABRICS

Comparison analysis of formulas proposed for the strength calculation of rayon cord. L. I. Folman. Izv. vuz. uchob. zav.; tekhn. tekst. prom. no. 1:27-33 '63.

TIRE FABRICS—RESEARCH see subdivision under Omsk

TIRE FABRICS—TESTING

Studying the causes of fatigue destruction of automobile tire cord. A. A. Rogovina. Izv. vuz. uchob. zav.; tekhn. tekst. prom. no. 1:34-38 '63.

TIRES, RUBBER

(see also subdivision under Yaroslavl)

Long service tires. I. Tseitlin. Tekhn. v sel'khoz. 23 no. 1: 43-44 Ja '63.

Tires for any road. I. Minkov, V. Roznikova. Za rul. 20 no. 5:11 My '62.

TIRES, RUBBER—TESTING

Experimental dependence for side tilt of tires. D. A. Antonov. Avt. prom. 20 no. 5:21-24 My '63.

Results of tests of self-propelled machines equipped with pneumatic tires. Gor. zhur. no. 4:47-49 Ap '63.

TISSUE CULTURE

Effect of the serums of patients suffering from rheumatism and infectious nonspecific polyarthritis on some tissue cultures [with summary in English]. L. T. Piat, L. B. Prilimagi. Vop. revm. 3 no. 1:25-31 Ja-Mr '63.

TISSUE EXTRACTS

Changes in the organs of experimental animals caused by the introduction of β -hemolytic streptococcal culture and homologous homogenate of a connective tissue [with summary in English]. L. V. Beletskaja, I. M. Liampert. Vop. revm. 1 no. 3:25-31 Ji-S '61.

TISSUES—PRESERVATION

Portable refrigeration unit for the preservation of homologous tissues. B. I. Vinichenko, V. E. Tytar'. Klin. khir. no. 6:95-96 My '62.

TITANIUM

Corrosion resistance of metals and alloys in sulfuric acid solutions with titanium admixture. V. N. Diatlova, E. M. Frolikova. Khim. mashinostr. no. 2:32-39 Mr-Apr '63.

Electron paramagnetic resonance in silicate glasses containing trivalent titanium. N. S. Garif'yanov, M. I. Rubtsov, I. M. Ryzhannov. Stek. i ker. 20 no. 3:11-12 Mr '63.

Reaction of titanium with hydrogen peroxide and oxalic acid. L. I. Dubovenko, E. I. Gerasenko. Ukr. khim. zhur. 20 no. 3:255-258 '63.

Synthesis and investigation of the characteristics of nickel titanates and mixed nickel-titanium pigments. N. S. Rassudova and others. Lakokras. mat. i kh. prim. no. 2:25-29 '63.

TITANIUM—ANALYSIS

New extraction-photometric method for the determination of titanium. Report No. 2: Stabilization of diisobutylpyrophosphoric ether. Determination of titanium in solutions of various composition [with summary in English]. I. U. B. Kletenik. Zhur. anal. khim. 18 no. 1: 68-70 Ja '63.

TITANIUM—ELECTROMETALLURGY

Properties of commercial titanium and alloys of the OT4-type prepared by electric slag melting. S. M. Gurevich and others. Avtom. svar. 16 no. 4:27-33 Ap '63.

TITANIUM—METALLOGRAPHY

Titanium self-shaded pseudoreplicas for electron microscopy studies of finely-disseminated minerals. I. U. A. Rus'ko. Geol. zhur. 23 no. 1:94-97 '63.

TITANIUM—OPTICAL PROPERTIES

Optical properties of titanium in the quantum transition region. M. M. Kirillova, B. A. Charikov. Fiz. met. i metallov. 15 no. 2:315-316 F '63.

TITANIUM ALLOYS

Davydov, I. U. P., and G. V. Pokrovskii. [Technology for the die stamping of titanium-alloy sheet] Tekhnologiya listovoi shtampovki titanovykh splavov. Moskva, Mashgiz, 1963. 69 p.

TITANIUM ALLOYS—HEAT TREATMENT

Vacuum unit for light annealing. L. A. Rakov, A. K. Kazakov, V. I. Shpeikher. Mashinostroitel' no. 3:34 Mr '63.

TITANIUM ALLOYS—METALLURGY

Welded joints in inoculated titanium. S. M. Gurevich. Avtom. svar. 16 no. 3:34-39 Mr '63.

TITANIUM COMPOUNDS

On the existence of titanium etherates. I. U. A. Lysenko, O. A. Osipov, E. E. Kravtsov. Zhur. neorg. khim. 8 no. 3:663-667 Mr '63.

TITANIUM-NIOBIUM-ZIRCONIUM ALLOYS see Niobium-titanium-zirconium alloys

TITANIUM ORES see subdivision under Zeya-Bureya Plain

TITANIUM OXIDE CRYSTALS

Magnetoelectric effect in titanium oxide Ti_2O_3 [with summary in English]. B. I. Al'shin, D. N. Astrov. Zhur. eksp. i teor. fiz. 44 no. 4:1195-1198 Ap '63.

TITANIUM OXIDES

Ilmenite concentrates for the production of titanium dioxide by the sulfuric acid method. M. L. Borodina and others. Lakokras. mat. i kh. prim. no. 2:22-25 '63.

TITANIUM OXIDES—ELECTRIC PROPERTIES

Electric and magnetic properties of TiO . A. A. Samokhvalov, A. G. Rustamov. Fiz. tver. tela 5 no. 4:1202-1207 Ap '63.

TITANIUM OXIDES—MAGNETIC PROPERTIES

Electric and magnetic properties of TiO . A. A. Samokhvalov, A. G. Rustamov. Fiz. tver. tela 5 no. 4:1202-1207 Ap '63.

TITANIUM-TUNGSTEN-COBALT ALLOYS—METALLOGRAPHY

Effect of the composition and structure of alloys in the system WC - Co and TiC - WC - Co on the strength limit during compression. V. I. Tumanov and others. Fiz. met. i metallov. 15 no. 2:285-288 F '63.

TTMICE see subdivision under Moscow Province

TIPOV, GERMAN STEPANOVICH, 1935-

Titov, G. S. [Aviation and space] Aviatitsia i kosmos; raskaz letchika-kosmonavta SSSR. Moskva, Voenizdat, 1963. 244 p. (Gerol-sovremenniki)

TIUTUNNYK, IRYKHOR, 1920-

"Vortex" by H. Tiutunnyk. Reviewed by Pylyp Havrylov. Ukraina no. 7:3 Ap '63.

TKIBULI REGION—COAL

Composition of ash and of the organic part of Tkibuli rhabdopsite. I. G. Iosava. Trudy Inst. khim. AN Gruz. SSR. 16:66-74 '62.

TOADS

Tree toad in a nature corner. G. B. Sviatkovskii. Biol. v shkole no. 2:85-88 Mr-Apr '63.

TOBACCO—DISEASE AND PEST RESISTANCE

Tobacco varieties unsuceptible to diseases. M. F. Ternovskii. Zashch. rast. ot vred. i bol. 6 no. 6:25-27 Je '61.

TOBACCO—DISEASES AND PESTS

What the Laboratory of Plant Protection at the All-Union Research Institute of Tobacco and Makhorka is working on. T. M. Matveenko, M. P. Goncharova. Zashch. rast. ot vred. i bol. 6 no. 11:8-10 N '61.

TOBACCO INDUSTRY see subdivision under Kazan

TOBACCO INDUSTRY—EQUIPMENT AND SUPPLIES

Use of lacquer and paint coatings for the protection of fermentation chambers and conditioners in tobacco fermentation plants. N. A. Fomicheva. Lakokras. mat. i kh. prim. no. 2:39-40 '63.

TOCOPHEROL

Using tocopherol (vitamin E) for improving the keeping quality of beef fat in storage. I. U. Lapshev. Mias. ind. SSSR 34 no. 1:50 '63.

TOEPLER, AUGUST JOSEPH IGNAZ, 1836-1912

Prominent physicist August Toepler of the 19th century and his work in Riga. I. A. Eldus. Izv. AN Latv. SSR no. 2:128-130 '63.

TOGLIATTI, PALMIRO, 1893-
Loyal son of the Italian people. Luigi Amedesi. Ogonek 41 no.13:4-5 Mr '63.
May you live a long time. Ukraina no.6:4 Mr '63.

TOILET PREPARATIONS—TESTING

Using a pendulum type constanometer for testing tooth paste with a water-soluble base. M.Kh. Gluzman, G.S. Bashura, D.A. Gubril'an. Masl.-zhir.prom. 29 no.3:28-31 Mr '63.

TOLSTOI, LEV NIKOLAEVICH, 1828-1910

"Literary legacy; Vol.69; Lev Tolstol, Book one." Reviewed by N.Portunov. Vop.lit. 7 no.2:210-214 F '63.

TOLUENE

Effect of the adsorption of reducing substances on the kinetics of electrode process. Report No.2: Electrochemical behavior of benzyl chloride. G.A. Tedoradze, A.B. Ershler, S.G. Mairanovskii. Izv. AN SSSR, Otd. khim. nauk no.2:235-240 F '63.
Oxidation of p-chlorotoluene in the liquid phase. I.N. Ruban, K.A. Chervinskii, O.V. Varslavskais. Zhur. V KHO 8 no.2:227 '63.

TOMATOES

(see also subdivision under Podolia)
Water balance of tomatoes grown in a greenhouse. T.V. Lapina. Vsiyky Kyiv. un. no.2, Ser. biol. no.1: 50-67 '59.

TOMATOES, CANNED

Using the hot product pouring method for canning tomato paste in three-liter containers. A.F. Fan-Yung (Fang-Yung) and others. Koms. i ov. prom. 18 no.5: 16-20 My '63.

TOMIOKA, TESSAI, 1836-1924

Hermitage exhibition of the works of Tomioka Tessai. V. Dashkevich. Sob. Gos. Erm. no.23:75-70 '62.

TOMSK—METAL-CUTTING TOOLS

Budnikell, L.D. [Modernization of equipment; practice of the Tomsk Metal-Cutting Tool Plant] Modernizatsia obrudovaniia; opyt Tomskogo ordena Trudovogo Krasnogo Znameni zavoda rezhashchikh instrumentov. [Tomsk] Tomskoe knizhnoe izd-vo, 1962. 66 p. [MICROFILM]

TOMSK PROVINCE—PUBLIC HEALTH

History of public health in northern Tomsk Province. P.A. Bova. Sov. zdrav. 22 no.4:32-36 '63.

TONSILS—DISEASES

(see also subdivision under Lvov)
Allergic reactivity in chronic tonsillitis. A.A. Mel'nikov. Kaz. med. zhur. no.5:44-45 S-O '62.
Clinicopathogenetic evaluation of a comparative study of medullary hematopoiesis in rheumatic fever and chronic tonsillitis [with summary in English]. A.A. Krylov. Vop. revm. 1 no.3:68-74 J1-S '61.
Differential diagnosis between chronic tonsillogenic intoxication and latent rheumatic fever in children according to the level of stalic acid in the blood serum. R.M. Shakirzhanova. Kaz. med. zhur. no.5:40-41 S-O '62.
Differential diagnosis between tonsillogenic and rheumatic lesions of the myocardium and the coronary arteries [with summary in English]. R.G. Mezhebovskii. Vop. revm. 1 no.3:64-60 J1-S '61.
Interrelations between chronic tonsillitis and rheumatic fever (content of stalic acid in the blood serum of patients suffering from chronic tonsillitis and rheumatic fever) [with summary in English]. V.Z. Pushkin, V.N. Lebedev, L.S. Mospanov. Vop. revm. 3 no.1:65-68 Ja-Mr '63.
Primary rheumatic tonsillo-cardiac complex (tonsillitis, mediastinitis, carditis) and the general pathological process in rheumatic fever [with summary in English]. V.K. Boletskii. Vop. revm. 1 no.2:19-25 Ap-Je '61.
Role of pathological changes in the palatine tonsils in the clinical treatment of congenital cleft palate. E.V. Rapoport. Stomatologiya 41 no.5:63-65 S-O '62.
Subfebrile chronic tonsillitis simulating tuberculous intoxication [with summary in English]. P.Sh. Talimantova. Pediatria 41 [i.e.42] no.2:85-89 F '63.

TOOL STEEL

Steels for cold extrusion tools and their forging. Kuz.-shtam, proizv. 5 no.4:48-5 of cover Ap '63.

TOOL STEEL—HARDENING

Quick partial cooling of rapid steel during hardening as a method of increasing its cutting ability. M.M. Shteinberg, L.B. Sabun, S.P. Shabashov. Fiz. met. i metallov. 16 no.3:475-477 Mr '63.

TOOL STEEL—STANDARDS

Machining and engineering requirements for alloyed tool steel. E.I. Malinkina. Standartizatsiya 27 no.4: 27-30 Ap '63.

TOOL STEEL—TESTING

Comparing the wear resistance of various tool materials used in drawing cast-iron parts. S.I. Zhitnitskii. Avi. prom. 28 no.8:40 Je '62.

TOPOLOGY

Antonovskii, M.I.A., V.G. Boltianskii, and T.A. Sarymsakov. [Topological semifields] Topologicheskie polupol'ia. Tashkent, Izd-vo SamGU, 1960. 48 p. [MICROFILM]

Characteristics of the dimensionality of a metric space using the dimensional properties of its mappings onto Euclidean spaces. M.L. Shersnev. Mat. sbor. 60 no.2:207-218 F '63.

Factor-semigroups of topological semigroups. P.D. Krumping. Uch. zap. Ped. inst. Gerts. 238:95-101 '62.

Normal triangulations of a convex cone. B.A. Venkov, B.B. Venkov. Izv. AN SSSR, Ser. mat. 27 no.2:367-366 Mr-Apr '63.

The 1-r semigroups. P.D. Krumping. Uch. zap. Ped. inst. Gerts. 238:89-94 '62.

TORQUE

Using hydrodynamic torque transformers in farm tractors. V.M. Ivanov. Trudy Kras. SKHI 3 no.1:311-315 '59.

TORQUE—MEASUREMENT

Device for measuring the torque on high-speed shafts. L.B. Frolov. Izv. tekhn. no.8:36 Ag '62.

TOSNA VALLEY—CLAY

Cone-in-cone structure in Cambrian blue clays [with summary in English]. E.V. Mamontova, V.K. Golovonok. Vest. LGU 18 no.6:135-136 '63.

TOUCH

Ability to exercise tactile sensitivity [with summary in English]. I.M. Gol'dberg. Vop. psikh. 9 no.1:35-40 Ja-F '63.

Algorithmic structure of active facility. A.M. Parachev. Vop. psikh. 9 no.1:67-70 Ja-F '63.

TOULOUSE—SINGING—COMPETITIONS

The Toulouse Contest. N. Rozhdestvenskai. Sov. muz. 27 no.1:85 Ja '63.

TOURISM

Good rest is a guaranty of successful studies. V.M. Frolov. Sred. spets. obr. 10 no.4:43-44 Ap '63.

TOURIST CAMPS, HOSTELS, ETC. see subdivision under Moscow

TOWERS see subdivision under Chechen-Ingush A.S.S.R.

TOXEMIA

State of carbohydrate metabolism in toxemias of the first half of pregnancy. A.D. Malova-Kasumova. Azerb. med. zhur. no.2:35-42 F '62.

TOXICOLOGY—ABSTRACTS

[Pharmacology. Toxicology] Ref. zhur.: Farm. Toks. nos.9-10 My '63.

TOXOPLASMOSIS

Penetration of toxoplasms into the eggs of infected hens. A.K. Lygiste. Dokl. AN SSSR 148 no.4:889-890 F '63.

TOY INDUSTRY see subdivision under Moscow

TOYS

Make it with the older children for the younger. Nauka i zhizn' 30 no.1:104-105 Ja '63.
Musical toy. E. Kossakovskais. Doshk. vosp. 36 no.3: 61 Mr '63.

TRACE ELEMENTS

(see also subdivision under Sakmara Valley)

Akimtsev, V.V. [Trace elements and their use] Mikroelementy i ikh primeneniye. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1962. 52 p. [MICROFILM]

Experiment with microelements. S. Kaaymalov. Shkola i proizv. 7 no.2:58-59 F '63.

Field experiment on the use of trace-element fertilizers and some herbicides in rural schools. D.B. Kolanbaev. Khim. v shkole 18 no.1:72-75 Ja-F '63.

"Microelements in living nature" by A.I. Volner. Book review. Priroda 52 no.3:88 '63.

Mitsyk, V.IU. [Trace elements in the feeds of farm animals] Mikroelementy v hodivli sil's'kohospodars'kykh tvaryn. Kyiv, Dorzh. vyd-vo sil's'kohospodars'koi lit-ry Ukrainy'koi RSR, 1962. 163 p. (DNAL)

TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

Effect of some trace elements on the nitrogen balance and productivity of silkworm caterpillars [with summary in English]. E.E. Shakhbazova. Ukr. biokhim. zhur. 34 no.5:604-701 '62.

TRACE ELEMENTS IN THE BODY

Effect of a urea load on the metabolism of some trace elements in the kidneys [with summary in English]. V.R. Soroka. Ukr. biokhim. zhur. 34 no.6:834-839 '62.

Effect of copper, manganese, zinc, and cobalt on the vitamin B1 requirement of animals [with summary in English]. Z. Zh. Hudo. Ukr. biokhim. zhur. 34 no.6: 840-845 '62.

Taucins, E.J. [Determining trace elements in the animal organism] Opređenje mikroelementov v organizme zivotnykh. Riga, Izd-vo Akad. nauk Latvieskoj SSR, 1962. 75 p.
Trace elements and leukemias. V.A. Leonov. Pediatria 41 [i.e.42] no.2:21-24 F '63.

TRACHOMA see Conjunctivitis, Granular

TRACK ATHLETICS

(see also subdivision under Tashkent)

In the realm of the "queen of sports." G. Elenski. Smena 39 no.11:22-23 Je '62.

Khomenkov, L.S., ed. [Track athletics] Legkai atletika; uchebnik dlia trenerov. Fizkul'tura i sport, 1963. 560 p.

TRACTOR INDUSTRY see subdivision under Chelyabinsk; Minsk

TRACTOR INDUSTRY—TECHNOLOGICAL INNOVATIONS see subdivision under Minsk

TRACTORS

(see also subdivision under Rovno Province; Ukraine)
Improve the utilization of machinery in agriculture. M.G. Valner. Uchet i fin. v kolhoz. i sovkhov. 20 no.3:36-38 Mr '63.

"Kolkhida" appeared on our countries' highways.

D. Kartvelishvili. Za rul. 20 no.5:10 My '62.

Learn to drive a tractor. I. Kozlev. Sel'. mekh. no.1: 25 Ja '63.

Vasil'ev, V.N., G.L. Lazur, and M.K. Maiev. [Pocket manual for tractor drivers] Karmannyi spravochnik traktorista. Alma-Ata, Kazsel'khogiz, 1962. 354 p. Wheeled tractors for rice fields. M. Starikov. Tekh. v sel'khoz. 23 no.1:60-62 Ja '63.

TRACTORS—ABSTRACTS

[Tractors and agricultural machinery and equipment] Ref. zhur.: Trakt. i sel'khoz. mash. i orud. no.5 My '63.

TRACTORS—COLD WEATHER OPERATION

Winter; advice to tractor drivers. N. Pasechnikov. Sel'. mekh. no.1:8-9, 31 Ja '63.

TRACTORS—DESIGN AND CONSTRUCTION

(see also subdivision under Minsk; Ukraine)
Uliyanov, N.A. [Fundamentals of the theory and design of wheeled tractors for excavating machinery] Osnovy teorii i rascheta kolosnogo dvizhiteľa zemlerolnykh mashin. Moskva, Mashgiz, 1962. 206 p.

TRACTORS—ELECTRIC EQUIPMENT

Rotermol', B.P., and D.I. Ivanov. [Electrical equipment of tractors and combine harvesters; their installation, operation, maintenance and repair] Elektrooborudovanie traktorov i kombainov; ustroistvo, ekspluatatsiya, tekhnicheskii ukhod, neispravnosti i ikh ustraneniye. [Omsk] Omskoe knizhnoe izd-vo, 1962. 148 p.

TRACTORS—ENGINES

Answers to readers. A.N. Stepanenko, I.N. Zal'tsman. Mekh. sil', hosp. 14 no.1:32 Ja '63.

TRACTORS—FUEL SYSTEMS

Improve the care of the feed systems of diesel engines. M.M. Vesna. Mekh. sil', hosp. 14 no.1:27-28 Ja '63.

TRACTORS—HYDRAULIC EQUIPMENT

Device for determining disrepair in hydraulic equipment. B. Pavlov, A. Gibert. Tekh. v sel'khoz. 23 no.1: 58-59 Ja '63.
Devices for repairing the hydraulic equipment of tractors. V. Tkachenko, V. Kalenichenko. Tekh. v sel'khoz. 23 no.1:84-85 Ja '63.

Technical maintenance of the hydraulic suspension system of tractors for single machines and aggregates. V. Degtiarev, IU. Sislukin. Tekh. v sel'khoz. 23 no.1: 52-57 Ja '63.

Using hydrodynamic torque transformers in farm tractors. V.M. Ivanov. Trudy Kras. SKHI 3 no.1:311-315 '59.

TRACTORS—HYGIENIC ASPECTS

Remember, tractor driver! Okhr. truda i sots. strakh. no.4:23 Ap '63.

TRACTORS—MAINTENANCE AND REPAIR

(see also subdivision under Ukraine)
Brigade or detachment? A. Asanov. Sel'. mekh. no.1: 14-15 Ja '63.

Characteristics of the technology of gluing parts. S. Popov. Tekh. v sel'khoz. 23 no.1:73-74 Ja '63.

Device for dismantling and assembling carriages. A. Ocheret. Mekh. sil', hosp. 14 no.1:15-16 Ja '63.

For the proposal of the turner I.I. Cherednichenko. M.P. Chertok. Mekh. sil', hosp. 14 no.2:16-17 F '63.

Manufacture of transmission case packings for DT-54 and DT-55 tractors. L.G. Kutuzov. Torf. prom. 40 no.3:36 '63.

Method for reconditioning cylinder heads. B.A. Lashert. Mekh. sil', hosp. 14 no.2:14-16 F '63.

Polymeric materials in the repairing practice. L. Liberman. Tekh. v sel'khoz. 23 no.1:70-73 Ja '63.

Repairing parts by built-up welding in an atmosphere of steam. G. Tur. Tekh. v sel'khoz. 23 no.1:69-70 Ja '63.

TRACTORS—STARTING DEVICES

The way to start an engine. S. Stopalov, Sel'mekh. no. 1:24 Ja '63.

TRACTORS—TRANSMISSION DEVICES

Modernization of the gearbox of the T-40 tractor. L. Bulankov, Tekh. v sel'khoz. 23 no. 1:49-50 Ja '63.

TRADE UNIONS

(see also subdivision under Argentina; Bryansk; Communist Countries, Asian; Germany, East; Great Britain; Malagasy Republic; Underdeveloped Areas; United States; Yugoslavia)

Activities want in nonch. I. Mislavskii. Sov. profsoyuzy 19 no. 7:18-19 Ap '63.

Committee and public inspectors of social insurance at a plant. Okhr. truda i soc. strakh. 6 no. 3:23-24 Mr '63.

A great honor. V. Moskalov. Most, prom, i khud. promys. 4 no. 3:1-2 Mr '63.

Inalienable rights of trade unions. Edwin Chleboun. Vsem. prof. dvizh. no. 4:3-5 Ap '63.

Increase of labor productivity and tasks of trade union committees. A. P. Voropal. Zhel. dor. transp. 45 no. 1:10-14 Ja '63.

"Kulningrad is speaking!" B. Donetskii, I. Ivolgin. Sov. profsoyuzy 19 no. 7:18 Ap '63.

Lost confidence. N. Zuraev. Sov. profsoyuzy 19 no. 7:23 Ap '63.

[Participation of Soviet trade unions in economic development] Uchastie sovetskikh profsoyuzov v khoziaistvennom stroitel'stve. [Moskva] Profizdat, 1962. 143 p.

Problem of national significance. Okhr. truda i soc. strakh. 6 no. 3:4-5 Mr '63.

Reliable assistance. I. Belikov. Obshchestv. pit. no. 2:3-6 F '63.

Reports and elections of trade union executive bodies. M. Rovunov, I. Gordienko. Most, prom, i khud. promys. 4 no. 3:3 Mr '63.

Tasks of rural trade-union organizations. I. K. Shkuratov. Okhr. truda i soc. strakh. no. 4:6-7 Ap '63.

Tasks of the World Federation of Trade Unions' production departments. Umberto Scallia. Vsem. prof. dvizh. no. 4:1-2 Ap '63.

Third Plenum of the Central Committee of the Trade Union of Food Industry Workers. V. Spovak. Mias. ind. SSSR 33 [i.e. 34] no. 2:56-57 '63.

TRADE UNIONS—CONGRESSES

Be more active in preparation for the conference of working women. Elena Teodorescu. Vsem. prof. dvizh. no. 4:25-27 Ap '63.

Give a fitting greeting to the 13th Congress of Trade Unions. Klub 12 no. 3:1 F '63.

Strive to achieve common demands. Vladimir Makel'skii. Vsem. prof. dvizh. no. 4:10-21 Ap '63.

Third Plenum of the Central Committee of the Government Workers Trade Union. N. Isent'ev. Fin. SSSR 37 Mr '63.

World Trade Union Congress, 5th Moscow, 1961. [Handclasp of millions] Rukopozhatie millionov [By] A. S. Varshavskii i dr. [Moskva, Profizdat, 1962] 270 p.

TRADITION (THEOLOGY)

Orthodox conception of the Tradition. P. Gnedich. Zhur. Mosk. Patr. no. 3:43-50 Mr '63.

TRAFFIC ACCIDENTS

(see also subdivision under Moscow)

"Examination of traffic accidents" by I. G. Malankin. Reviewed by I. Kh. Mekutov. Izv. vyz. ucheb. zav. prav. 6 no. 2:155-157 '62.

How the defense lawyers examine the expert evaluation of traffic accidents. P. Rabinovich. Sov. iust. no. 8:7-9 Ap '63.

TRAFFIC POLICE

(see also subdivision under Moscow)

Duel. V. Mikhailov. Za bezop. dvizh. 5 no. 4:3 Ap '63.

TRAFFIC REGULATIONS

(see also subdivision under Samsat)

Answers. Za bezop. dvizh. 5 no. 3:16 Mr '63.

Conference on the improvement of traffic regulations. G. Klinkovskii. Avt. transp. 4 no. 3:46-47 Ag '62.

On traffic regulations for drivers. G. Solov'ov. Za rul. 20 no. 5:21 My '62.

Poltov, K. M., and M. K. Poltov. [Driver's manual on traffic rules and safety] Vozrastu o pravilakh i bezopasnosti dvizhenia avtotransporta. [Moskva] Mosk. raiochii, 1963. 191 p.

[Traffic regulations for streets and roads of the U.S.S.R.] Pravila dvizhenia po ulitsam i dorogam SSSR. Ashkhabad, Turkmen'skoe gos. izd-vo, 1963. 87 p.

Ukraine. Ministerstvo vnutrennikh del. [Traffic regulations on streets and roads in the U.S.S.R.] Pravila dvizhenia po ulitsam i dorogam SSSR. [Zaporozh'e] Zaporozh'skoe knizhno-gazetnoe izd-vo, 1961. 88 p.

TRAFFIC SAFETY

(see also subdivision under Moscow)

Following up our articles. Za bezop. dvizh. 5 no. 3:14 Mr '63.

TRAFFIC SIGNS AND SIGNALS

Teaching traffic signs. IU. Bachkov. Avt. transp. 41 no. 3:52 Mr '63.

TRAFFIC SURVEYS

Methodical principles of studying the flow of traffic on city streets. S. V. Shaposhnikov. Sbor. nauch. rab. AKKH no. 13:203-217 '62.

TRAIN FERRIES

Underwater concreting in the construction of ferry crossings. A. S. Zubarev, A. I. Tsapkin. Transp. stroit. 13 no. 4:22-24 Ap '63.

TRAINING SHIPS

Department conducts work on a training ship. V. V. Shtnikov. Vest. vyz. shkoly 21 no. 3:26-30 Mr '63.

TRANSBAIKALIA—BRONZE AGE

Dikov, N. N. [The bronze age in Transbaikalia] Bronzovyi vek Zabaikal'ia. Ulan-Ude, Buriatskii kompleksnyi nauchno-issl. in-t Sibirskogo otd-nia Akad. nauk SSSR, 1963. 105 p.

TRANSBAIKALIA—CALCITE CRYSTALS

Calcite crystals from the Bukha and Belukha wolframite deposits [with summary in English]. V. F. Barabanov, I. I. Shavranovskii. Vest. LGU 18 no. 6:12-23 '63.

TRANSBAIKALIA—CORN (MAIZE)

Ear corn of Transbaikalia. A. Lisicimkov. Agitator no. 14:27-30 Ji '62.

TRANSBAIKALIA—MOLYBDENUM ORES

Molybdenum mineralization in the Uda Vitim tectonic zone of Transbaikalia. A. R. Zilov, V. T. Pokalov. Min. syr'ie no. 5:70-82 '62.

TRANSBAIKALIA—REVOLUTION, 1917-1921

Krushanov, A. I. [Struggle for the Soviet regime in the Far East and Transbaikalia, April, 1918-March, 1920] Bor'ba za vlast' Sovetov na Dal'nem Vostoke i Zabaikal'e, april' 1918 - mart 1920 g. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 354 p.

TRANSBAIKALIA—WOLFRAMITE

Calcite crystals from the Bukha and Belukha wolframite deposits [with summary in English]. V. F. Barabanov, I. I. Shavranovskii. Vest. LGU 18 no. 6:12-23 '63.

TRANSCARPATIA—FOLKLORE

The joint folklore expedition to Transcarpathia. M. Huta'. Nar. tvorch. ta etn. 6 no. 4:140-141 O-D '62.

TRANSCARPATIA—LAUMONTITE

Laumontite and associated minerals from the diorite-porphyrite intrusive in the Vyshkevo region of Transcarpathia. A. E. Korzhinski, I. A. V. Maslakov. Dokl. AN SSSR 149 no. 3:677-680 Mr '63.

TRANSCARPATIA—PAINTING

From the history of art in Transcarpathia. G. Ostrovskii. Iskusstvo 26 no. 2:44-50 '63.

TRANSCAUCASIA—EUROPEAN WAR, 1914-1918

Sarkisjan, E. K. [Expansionist policy of the Ottoman Empire in Transcaucasia on the eve of and during the First World War] Ekspansionistskaja politika Osmanskoi Imperii v Zakavkaz'e nakanune i v gody Pervoi Mirovoi voyny. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 495 p.

TRANSUCEDERS

AMT-2 thermocatalytic methane analyzer. V. S. Kravchenko and others. Ugol' Ukr. 7 no. 4:38-39 Ap '63.

Devices with ohmic pressure transducers for measuring the height of sedimentation in pipelines of hydraulic conveying systems. V. M. Kondakov. Visti Inst. hidrol. i hidr. AN URSSR 21:114-118 '62.

Frequency transducers and indicator-type frequency meters based on materials with rectangular hysteresis loop. V. G. Emel'janenko. Izv. vyz. ucheb. zav. elektromekh. 6 no. 2:237-245 '63.

Jet relay in an automatic control system. G. N. Mikhailov. Prom. energ. 18 no. 4:12-13 Ap '63.

New capacitor transducer of the level and position of liquid phase discontinuity. M. I. Shustov. Priborostroenie no. 4:1-3 Ap '63.

A new electromechanical converter. A. A. Kol'tsov. Izv. vyz. ucheb. zav. elektromekh. 6 no. 2:252-262 '63.

Studying the hatching temperature of the hazel hen with the help of a semiconductor transducer. M. S. Dolbik. Ornitologiya no. 4:389-393 '62.

Thermopile groups of a single-chamber thermocatalytic transducer for the IM-2, IM-3, IMT-1, IM-3M, and AMT-2 automatic mine methanometers. A. N. Shcherban' and others. Ugol' Ukr. 7 no. 4:20-22 Ap '63.

TRANSFORMATIONS (MATHEMATICS)

Axiomatic determination of the entropy of a transformation with an invariant measure. V. A. Rokhlin. Dokl. AN SSSR 148 no. 4:770-781 F '63.

Finite integral Hankel transforms. M. E. El'stater. Izv. vyz. ucheb. zav. mat. no. 3:44-51 '63.

TRANSGALACTOSIDASES

Transgalactosylase activity of Streptococcus faecalis [summary in English]. S. I. Novikova. Biokhimi. zhurn. no. 1:13-17 Ja-F '63.

TRANSGLUCOSIDASES

Transglucosylase of the brain [with summary in English]. B. I. Khaykina, V. IE. IAKushko. Ukr. biokhim. zhurn. no. 6:876-882 '62.

TRANSISTOR AMPLIFIERS

Calculation of the power losses of transistor push-pull a.c. power amplifiers. E. I. Uyskhin. Elektronika no. 3:61-66 Mr '63.

Conversion of the low-frequency amplifiers of V-12, K-12, and K-24 apparatus of the SIP bays to transistor operation. N. A. Semanova. Vest. svyazi 23 no. 4:21-21 Ap '63.

Principal parameters of transistor amplifiers with positive feedback. V. M. Shamshin. Elektrosvyaz' 12 no. 3:15-21 Mr '63.

TRANSISTOR CIRCUITS

Elkin, N. A., and L. N. Toshechakov. [Rectification using transistor devices] Detektirovanie na poluprovodnikovyykh priborakh. Moskva, Svyaz'izdat, 1962. 53 p. (Lektsii po tekhnike svyazi)

Isaev, E. A. [Transistorized voltage converters] Poluprovodnikovyye preobrazovateli napriazheniya. Moskva, Voenizdat, 1962. 109 p.

TRANSISTOR OSCILLATORS see Oscillators, Transistor

TRANSISTORS

Commutator on semiconductor triodes. A. S. Eremin, B. S. Rozov. Prib. i tekhn. eksp. 6 no. 2:59-62 May '63.

Distributor equipped with ferrotransistor cells. V. M. Puzhnikov. Priborostroenie no. 4:14-16 Ap '63.

Elementary processes near the surfaces in a gas discharge. V. I. Rydnik, B. M. Ilyarskii. Radiotekhn. i elektron. 8 no. 4:639-645 Ap '63.

Equivalent circuits of a transistor for calculating the temperature drift of the coordinates of its operating point. V. I. Anisimov. Radiotekhnika 16 no. 2:10-11 F '63.

Frequency characteristics of p-n junctions. O. I. Mironov, V. N. Parygin. Radiotekhn. i elektron. 8 no. 4:659-668 Ap '63.

Measurement of the current amplification factor of a transistor. V. S. Vlasov, A. S. Eremin, B. S. Rozov. Izv. tekhn. no. 3:46-47 Mr '63.

Relaxations in nonlinear capacitance frequency multipliers. A. A. Rabinovich-Vizel, M. E. Gertsenshteyn. Radiotekhn. i elektron. 8 no. 4:725-727 Ap '63.

Valltov, R. A., and others. [Measurements of transistor parameters] Izmereniya parametrov poluprovodnikovyykh triodov. Pod red. R. A. Valltova. Khar'kov, Izd-vo Khar'kovskogo univ., 1960. 123 p.

TRANSISTORS—HANDBOOKS, MANUALS, ETC.

Barshchevskii, I. N. [Physicochemical properties of semiconductors] Fiziko-khimicheskie svoystva poluprovodnikov; uchebnoe posobie dlia studentov starshikh kursov MFTI-a. Moskva, Mosk. in-izhenerov transporta, 1962. 60 p. [MICROFILM]

TRANSISTORS—TERMINOLOGY

Akademiya nauk SSSR. Komitet nauchno-tekhnicheskoi terminologii. [Transistor devices] Poluprovodnikovyye pribory. Moskva, Izd-vo Akad. nauk SSSR.

Pl. I. [Basic concepts; terminology] Osnovnye poniatia; terminologiya. 1962. 22 p. (Uslozhnennyye rekomendatsii po terminologii, no. 62)

TRANSITION METAL COMPOUNDS

Electron configuration and structure of complexes of transition metals. R. S. Nyholm. Usp. khim. 32 no. 2:354-387 Mr '63.

TRANSITION METAL OXALATES

Thermal decomposition of solid solutions of alkali metal oxalates. V. P. Kornienko, M. N. Dubrovskaya, G. M. Shapovalova. Ukr. khim. zhur. 29 no. 3:271-278 '63.

TRANSLATING AND INTERPRETING

Significance of homework in the translation course. R. K. Min'har-Belorushev. Uch. zap. kaf. lingv. i IMO no. 3:203-223 '60.

TRANSLITERATION

Nadellaev, V. M. [Draft of a phonetic transliteration system] Proekt foneticheskoi transkriptsii (Ukr.). Moskva, Akad. nauk SSSR, 1960. 62 p. (InU)

TRANSPLANTATION OF ORGANS, TISSUES, ETC.

Petrov, R. V. [Immunology and sphinxes of the 20th century] Immunologiya i sfinksy XX veka. Moskva, Izd-vo "Znanie," 1963. 47 p. (Novoe v zhizni, tekhnika. VIII Seriya: Biologiya, no. 8)

TRANSPLANTATION OF ORGANS, TISSUES, ETC. (Continued)

Transplantation of a nonerupted wisdom tooth into the socket of the first lower molar immediately after its removal. N. A. Chudnovskaya, Stomatologiya 41 no. 5:45-47 S-O '62.

Using biological films in treating burns. M. I. Gasanov, M. A. Fel'dshteyn, Dokl. AN Azerb. SSR 18 no. 1:55-56 '63.

TRANSPORTATION

(see also subdivision under Armenia)

Coordinate the operations of various systems of transportation. A. Komarov, NTO 5 no. 3:13-16 Mr '63.

Coordinate the work of various types of transportation. V. Merkulov, M. Chebotarev, Rech. transp. 22 no. 4:8-10 Ap '63.

Development of mixed transportation is an important factor for the continued expansion of river transportation. A. Gleizer, K. Cherkov, Rech. transp. 22 no. 4:11-12 Ap '63.

Interaction between railroad and automotive transportation. F. I. Shaul'skii, M. K. Sologub, Zhel. dor. transp. 45 no. 4:31-34 Ap '63.

We will fulfill the plan of the fifth year of the seven-year plan ahead of schedule. Transp. stroi. 13 no. 4:1-3 Ap '63.

TRANSPORTATION—ABSTRACTS

Container shipments and the interaction of various types of transportation. Ref. zhur.: Vaimodels. raz. vid. transp. i kont. perav. no. 5 My '63.

[Industrial transportation] Ref. zhur.: Prom. transp. no. 5 My '63.

TRANSPORTATION—BUILDING AND STRUCTURES

Improve planning and designing standards in transportation construction. V. Milen'kii, Ekon. stroi. no. 4: 20-26 Ap '63.

TRANSPORTATION—INTERNATIONAL COOPERATION

Cooperation of socialist countries in the development of transportation. V. S. Gavrilov, Zhel. dor. transp. 45 no. 4:28-31 Ap '63.

TRANSPORTATION—LAWS AND REGULATIONS

"International organizations in the field of transportation and communication" by E. A. Shibaeva. Reviewed by M. I. Lazarev, D. I. Fel'dman, Izv. vyzn. ucheb. zav.; prav. 6 no. 2:189-190 '62.

It's time to decide who should control the pretrial investigation of criminal offenses committed on railroads and ships. I. Nalmark, Sots. zakon. 30 no. 7:34-35 Ji '62.

TRANSPORTATION—TIMETABLES

Health Resort visitor's manual on timetables for trains, boats, airplanes, buses and taxis: Sochi, summer 1960. Spravochnik kurortnika; o dvizhenii poezdov, sudov, samoletov, avtobusov i taksi: Sochi, leto 1960 g. Sochi [n. d.] 73 p.

TRANSPORTATION, AUTOMOTIVE

(see also subdivision under Armenia; Chelyabinsk; Estonia; Khabarovsk Territory; Latvia; Moscow; Tartu)

Cybernetics in automotive transportation. A. Shigin, D. Pospelov, Za rul. 21 no. 3:16-17 Mr '63.

Direction for the development of initiative and activity. Avt. transp. 41 no. 3:3-5 Mr '63.

Editions of the Publishing House of Automotive Transportation Literature for 1963. V. Klennikov, Za rul. 21 no. 2:33 F '63.

Evaluating the efficiency of automotive transportation. S. Rogachevskii, Avt. transp. 4 no. 8:33-35 Ag '62.

Men from the same automotive transportation unit. D. Grave, Za rul. 21 no. 2:22 F '63.

Methods for planning and accounting for freight haulage. B. Trofimenetski. Avt. transp. 4 no. 8:31-33 Ag '62.

Our dictionary. G. Solov'ov, Za bezop. divzh. 5 no. 3: 10-11 Mr '63.

Planning indices for automotive transportation. L. Bronshteyn, Avt. transp. 4 no. 8:20-31 Ag '62.

Planning should be at the level of communist development. Avt. transp. 4 no. 8:27 Ag '62.

Work, conscience and honor are inseparable. N. G. Zagladin, Avt. transp. 41 no. 3:6 Mr '63.

TRANSPORTATION, AUTOMOTIVE—ABSTRACTS

[Automotive and city transportation] Ref. zhur.: Avt. i gor. transp. no. 5 My '63.

TRANSPORTATION, AUTOMOTIVE—ACCIDENTS

Accident analysis in automotive transportation units. E. Kogan, Zh. Manusadzhants. Avt. transp. 41 no. 3: 20-22 Mr '63.

TRANSPORTATION, AUTOMOTIVE—BIBLIOGRAPHY

see Bibliography—Transportation, Automotive

TRANSPORTATION, AUTOMOTIVE—COST OF OPERATION

Improve the quality of cost estimation. I. Bukhshteyn, Avt. transp. 4 no. 8:48 Ag '62.

TRANSPORTATION, AUTOMOTIVE—FREIGHT

see subdivision under North Kazakhstan Province

TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

Are self-supporting centralized dispatcher units needed? O. Elzenkrein, S. Krupkin, Avt. transp. 41 no. 3:16 Mr '63.

Labor planning in an automotive transportation unit. A. Goronovskii, Avt. transp. 41 no. 3:14 Mr '63.

Once more on transportation and dispatching work. B. Kononov, Avt. transp. 41 no. 3:24-26 Mr '63.

Operational plan for an automotive transportation unit and objective evaluation of its fulfillment. K. Arkhipov, Avt. transp. 41 no. 3:12-14 Mr '63.

Planning the operations of automotive transportation. M. Basov, Avt. transp. 41 no. 3:7-11 Mr '63.

Unification of indices in planning accounting and book-keeping. M. Smirnov, Avt. transp. 41 no. 3:15 Mr '63.

TRANSPORTATION, AUTOMOTIVE—PRODUCTION STANDARDS

Seven annual quotas before the end of the seven-year plan. B. Lysov, Avt. transp. 4 no. 8:4-5 Ag '62.

TRANSPORTATION, AUTOMOTIVE—TECHNOLOGICAL INNOVATIONS

Technical development is the basis for an improvement of working conditions. N. Bazhulin, Avt. transp. 41 no. 3:17-18 Mr '63.

TRANSPORTER BRIDGES

see subdivision under Germany, East; Ukraine

TRANSURANIUM ELEMENTS

New transuranium elements. V. I. A. Kabanov, Khim. v shkole 18 no. 1:91-95 Ja-F '63.

TRAUMATISM

(see also subdivision under United States)

Physiotherapy in the compound treatment of traumatic lesions. A. M. Landa, Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:3-9 '63.

Report on the work of the societies of traumatologists and orthopedists from June through August 1962. A. M. Bolous, Ortop., travm. i protez. 23 no. 11:92-93 N '62.

TRAVELERS

Verne, Jules. [Travelers of the 19th century. Translated from the French] Puteshestvenniki XIX veka. Leningrad, Gos. izd-vo detskoi lit-ry, 1961. 493 p. (MIDW)

TRAVELING-WAVE TUBES

Bunching of electrons in the field of a delay system. V. N. Parygin, Radiotekh. i elektron. 8 no. 4:561-569 Ap '63.

Calculation of a depression coefficient. G. N. Rapoport, V. R. Dobrovinskii, Radiotekh. i elektron. 8 no. 4:565-590 Ap '63.

TRAVERSES (SURVEYING)

Druiman, G. V., N. A. Petrov, and L. A. Fel'dman. [Handbook on reconnaissance of triangulation and traverse stations] Spravochnoe posobie po rekognostirovke punktov triangulyatsii i poligonometrii. Moskva, Geodezizdat, 1962. 219 p.

Kos'kov, B. I. [Field work in traverse surveying of cities] Gorodskaya poligonometriya; polevye raboty. Izd. 2. 1. pr. 1 dop. [Moskva] Geodezizdat, 1963. 338 p.

TREE FELLING

Investigating the crosscutting of wood in a stretched state. I. U. G. Savitskii, Trudy TSNIIME no. 39:45-48 '62.

TREE PLANTING

see subdivision under Kursk Province

TREE RINGS

see subdivision under Altai Mountains

TREES

(see also subdivision under Ukraine)

Dynamic effect of single gusts of wind on trees. I. U. G. Savitskii, Trudy TSNIIME no. 39:61-71 '62.

TREES—DISEASES AND PESTS

see subdivision under Karaganda

TREES—PHYSIOLOGY

Brief review of research papers completed by the students of the Faculty of Forestry, Ural Institute of Lumbering Technology, in the Laboratory of Plant Physiology, of the Ural Institute of Lumbering Technology during the period 1947-1957. L. I. Vigorov, Trudy Ural. lesoselsk. inst. no. 17:79-88 '60.

TRENCH DIGGING MACHINES

A new type of trench digger. V. Obernikhin, Tekh. v sel'khoz. 23 no. 1:38-39 Ja '63.

TRENET, CHARLES, 1913-

Charles Trenet sings. Oskar Fel'tsman, Sov. muz. 27 no. 3:83 Mr '63.

TRENEV, KONSTANTIN ANDREEVICH, 1878-1945

"K. A. Trenev; studies of his works" by R. Fainberg. Reviewed by P. Gromov, Vop. lit. 7 no. 2:202-209 F '63.

TRESTLES

Multitrack railroad trestle made of precast reinforced concrete. G. Podutov, Prom. stroi. i inzh. soor. 5 no. 2:7-9 Mr-Ap '63.

TRESTLES—STANDARDS

We need a single standard plan for trestles between shops. V. Pomln, Na stroi. Ros. 4 no. 4:10-11 Ap '63.

TRIALS (INFANTICIDE)

see subdivision under Belgium

TRIALS (POLITICAL CRIMES AND OFFENSES)

see subdivision under United States

TRIALS (TREASON)

see subdivision under Germany

TRIANGULATION

Druiman, G. V., N. A. Petrov, and L. A. Fel'dman. [Handbook on reconnaissance of triangulation and traverse stations] Spravochnoe posobie po rekognostirovke punktov triangulyatsii i poligonometrii. Moskva, Geodezizdat, 1962. 219 p.

TRIAZINE

Using almatrine and atrazine in millet fields. V. Sh. Kogan, Zemledelie 25 no. 1:56-58 Ja '63.

TRICHINA AND TRICHINOSIS

Clinical aspect and diagnosis of trichinosis [with summary in English]. V. A. Pestov, V. I. Shemonaev, Vrach. delo no. 3:97-100 Mr '63.

TRICHOMONIASIS

Treatment of trichomonas colpitis with DDT emulsions. A. A. Satusheva, Kaz. med. zhur. no. 5:38-39 S-O '62.

Treatment of trichomoniasis in women with para-aminosalicylic acid. M. G. Vorenova, Kaz. med. zhur. no. 5:38-37 S-O '62.

TRICKS

The other side of tricks. A. Akopian, IUn. tekhn. 7 no. 2: 78-79 F '63.

Other side of tricks. A. Akopian, IUn. tekhn. 7 no. 12: 45 D '62.

TRIETHYLENE GLYCOL

Copolymerization of 2-methyl-5-vinylpyridine with triethylene glycol dimethacrylate [with summary in English]. A. B. Davankov, L. B. Zubakova, Vysokom. soed. 5 no. 3:309-315 Mr '63.

TRIGEMINAL NEURALGIA

see Neuralgia, Trigeminal

TRIMETHYLAMINE

Production of trimethylamine from the wastes of distilling industries. N. I. Pavlostuk, A. I. Skiriatimon-s'kiy, Khar. prom. no. 1:57-59 Ja-Mr '63.

TRIPLE BONDS

Polymer with tetraacetylenic links in the molecule. M. S. Shvartsberg, I. L. Kotlarovskii, V. N. Andrievskii, Izv. AN SSSR, Otd. khim. nauk no. 3:575-576 Mr '63.

TROLLEY BUSES

(see also subdivision under Moscow)

Analysis of methods of controlling rectified voltage on busbars of traction substations. A. A. Trofimov, Sbor. nauch. rab. AKKH no. 13:80-92 '62.

Automation of the traction substations of streetcars and trolley buses. N. M. Kulikovskaya, V. P. Magnichkina, A. I. Iakovlev, Sbor. nauch. rab. AKKH no. 13:93-104 '62.

Choosing a power supply system for the contact networks of street cars and trolley buses. D. K. Tomlanovich, Sbor. nauch. rab. AKKH no. 13:3-11 '62.

Determining the optimum capacity of trolley-bus substations. L. M. Vlasova, Sbor. nauch. rab. AKKH no. 13:105-110 '62.

Increasing the life of trolley-bus springs. A. N. Prokhorov, A. M. Burnevich, Sbor. nauch. rab. AKKH no. 13:236-264 '62.

Methods of making electric computations for the power supply system of streetcars and trolley buses with parallel feed to the contact network. D. K. Tomlanovich, A. G. Smirnov, Sbor. nauch. rab. AKKH no. 13: 25-48 '62.

Pulse circuit for protection against small short-circuit currents. D. K. Buzetti, Sbor. nauch. rab. AKKH no. 13: 59-63 '62.

Sectional protection with parallel functioning of the sections of a contact network. N. E. Nikol'skaya, Sbor. nauch. rab. AKKH no. 13:64-79 '62.

Study of protection against small short-circuit currents. D. K. Buzetti, D. K. Tomlanovich, Sbor. nauch. rab. AKKH no. 13:49-58 '62.

TROLLEY BUSES—TESTING

Study of the 8TR-8 and ZIU-5 trolley buses under the conditions of a mountainous route. M. I. Aksenov, Sbor. nauch. rab. AKKH no. 13:147-154 '62.

Testing new streetcars and trolley buses. A. I. Iakovlev, I. S. Sviridenko, M. I. Aksenov, Sbor. nauch. rab. AKKH no. 13:138-146 '62.

TROPININ, VASILII ANDREEVICH, 1778-1857

A recently discovered painting attributed to V. Tropinin. L. Prokopenko, Iskusstvo 26 no. 2:68-69 '63.

TROUT

see subdivision under Daghestan

TRUCK DRIVERS

(see also subdivision under Kemerovo Province)

Blue lights illuminate the desert. I. I. Iatovskaya, Smena 30 no. 23:2 of cover, 1-3 D '62.

TRUCK TRAILERS

Comparing the requirement for means of transportation in the assembly of prefabricated buildings directly from trucks. L. M. Kukharensko. Mekh. stroi. 20 no. 5:5-7 My '63.

Heavy-duty trailers for transporting heavy and large technical equipment. Z. B. Kharcha, V. M. Fedorov. Mekh. stroi. 20 no. 3:25-31 My '63.

Trailer for the removal of stones. E. Matlans. Tekh. v sel'khoz. 23 no. 1:40-41 Ja '63.

TRUSSES

Protsay, K. G. [New cable-supported trusses] Novye vantovye fermy. Moskva, Transzheldorizdat, 1963. 96 p.

Trusses with frame and cross stay for roofs of multi-story industrial buildings. I. Vinnichenko, Prom. stroi. i inzh. soor. 5 no. 2:43-44 Mr-Apr '63.

TRUSSES, INDUSTRIAL see subdivision under United States

TRYKOV, PETR PAVLOVICH, 1903-

Petr Pavlovich Trykov; on the occasion of his 60th birthday and celebration of 35 years of industrial, scientific, pedagogical and public activities. Izv. vys. ucheb. zav.; tekhn. tekst. prom. no. 1:103 '63.

TRYPSIN

Polarography of trypsin in the presence of a substrate and an inhibitor during irradiation with ultraviolet light [with summary in English]. I. D. Ivanov, E. E. Bakhleeva, V. G. Krylova. Ukr. biokhim. zhurn. 34 no. 5:670-687 '62.

TRYPTOPHAN SYNTHETASE

Formation of enzymes and the genetic code. D. M. Bunner. Biokhimiia 28 no. 1:106-100 Ja-F '63.

TSELINYY KRAY see Virgin Territory

TSELINOGRAD PROVINCE—ADULT EDUCATION

The door is open for all. I. Matovkin, Part. zhizn' Kazakh. 33 no. 3:50-52 Mr '63.

TSELINOGRAD PROVINCE—RETAIL TRADE

After the reorganization. V. Novikov, Koop. Kazakh. 5 no. 11:28-30 N '62.

TSELINOGRAD PROVINCE—STATE FARMS—LABOR PRODUCTIVITY

Increasing productivity of virgin land on state grain farms. O. Kozhassov, Dokl. TSKHA no. 68:75-82 '61.

TSELINOGRAD PROVINCE—STOCK AND STOCK-BREEDING

Economic efficiency of stockbreeding branches on virgin land state farms. O. Kozhassov, Dokl. TSKHA no. 68:175-183 '61.

TSELINOGRAD PROVINCE—WATER, UNDERGROUND

Hydrogeological regionalization of Tselinograd Province based on agricultural water supply. P. A. Dobrynin, Vop. gidrogeol. i inzh. geol. no. 20:38-51 '62.

TSELINOGRAD PROVINCE—WATER SUPPLY, RURAL

Hydrogeological regionalization of Tselinograd Province based on agricultural water supply. P. A. Dobrynin, Vop. gidrogeol. i inzh. geol. no. 20:38-51 '62.

TSENTRAL'NO-CHERNOZOM ZAPOVEDNIK see Central Chernozem Preserve

TSMILYANSK RESERVOIR—ANIMAL INTRODUCTION

Food of invertebrates introduced into Tsmilyansk Reservoir from the lower Don River. L. P. Maksimova. Izv. GosNIORKH 45 no. 317:326 '66.

TSMILYANSK RESERVOIR—BENTHOS

TSMILYANSK RESERVOIR—FISHERIES—RESEARCH

Principal results of the scientific activity of the Stalin-grad Branch of the All-Union Scientific Research Institute of the Fish Industry of Lakes and Rivers. P. A. Driagin. Izv. GosNIORKH 45:3-5 '58.

TSMILYANSK RESERVOIR—FISHES

Biology and productivity of young fishes in Tsmilyansk Reservoir; based on the observations of 1953-1955. I. A. Ginzburg. Izv. GosNIORKH 45:111-141 '58. Formation of schools and the state of the stock of basic commercial fishes in Tsmilyansk Reservoir. I. I. Lapitskii. Izv. GosNIORKH 45:90-110 '58. Reproduction of fishes in the upper reaches of Tsmilyansk Reservoir. L. N. Domnitskii. Izv. GosNIORKH 45:142-159 '58.

TSMILYANSK RESERVOIR—FISHES—FOOD

Enrichment of bottom fauna in Tsmilyansk Reservoir. T. I. Ioffe. Izv. GosNIORKH 45:272-316 '58. Feeding habits and food relationships of young fishes in Tsmilyansk Reservoir in 1954. L. N. Lapitskii. Izv. GosNIORKH 45:100-177 '58. Materials on the feeding habits of the breams Abramis ballerus and A. brama and wild carp. A. V. Kogan. Izv. GosNIORKH 45:178-189 '58.

TSMILYANSK RESERVOIR—FISHING—EQUIPMENT AND SUPPLIES

Technical evaluation of fishing equipment in Tsmilyansk Reservoir. P. A. Vasil'ev. Izv. GosNIORKH 45:258-271 '58.

TSMILYANSK RESERVOIR—INVERTEBRATES

Food of invertebrates introduced into Tsmilyansk Reservoir from the lower Don River. L. P. Maksimova. Izv. GosNIORKH 45:317-326 '58.

TSMILYANSK RESERVOIR—PIKE

Biological and fishery characteristics of pike in Tsmilyansk Reservoir. L. N. Domnitskii. Izv. GosNIORKH 45:201-212 '58.

TSMILYANSK RESERVOIR—STURGEONS

Materials on the biology of sterlet in Tsmilyansk Reservoir. N. I. Frantsuzov. Izv. GosNIORKH 45:213-225 '58.

TSMILYANSK RESERVOIR—WATER—COMPOSITION

Dynamics of biogenic substances in Tsmilyansk Reservoir in 1955. N. N. Guseva. Izv. GosNIORKH 45:35-50 '58.

TSMILYANSK RESERVOIR—ZOOPLANKTON

Zooplankton of Tsmilyansk Reservoir. N. A. Dziban. Izv. GosNIORKH 45:61-74 '58.

TSIOLKOVSKII, KONSTANTIN EDUARDOVICH, 1857-1935

Explorers of the unknown. G. Pomerantseva. IUn. tekhn. 7 no. 4:76-78 Ap '63.

TSIREL'SON, NOI BORISOVICH, 1893-

Seventieth birthday of Professor N. B. Tsirel'son. Mias. ind. SSSR 33 [i.e. 34] no. 2:18 '63.

TENA RIVER—BRIDGES—DESIGN AND CONSTRUCTION

Bolted joints in the assembly of a reinforced concrete span. B. M. Veinblat, N. N. Tikhonov, Transp. stroi. 13 no. 3:10-22 Mr '63.

TSONCHEV, DIMITŪR, 1898-1962

DimitŪr Tsonchev; obituary. K. V. Genchev. Sov. arkheol. 7 no. 2:202 '63.

TUBERCULOSIS

Dynamics of some biochemical indices of thiamine metabolism in children with tuberculosis [with summary in English]. G. G. Nazarenko. Pediatria 41 [i.e. 42] no. 2:79-85 F '63.

Frequency and characteristics of pulmonary hemorrhages in tuberculosis patients not treated and treated with antibacterial preparations [with summary in English]. Z. N. Rozmainskaia. Sov. med. 26 no. 1:70-84

ma in a pulmonary tuberculosis
a. V. S. Anastes'ev. Kaz. med.
S-O '62.
ung resection in tuberculosis
ri tuberkuloza. Novosibirsk. Izd-
a AN SSSR, 1962. 371 p.

xd for bacterioscopic diagnosis of
TSeliarius. Lab. delo 9 no. 3:45-

ors in compound treatment of pa-
m bronchial and pulmonary tuber-
isev. Vrach. delo no. 3:136-138 Mr

xico-allergic pneumonia in pulmo-
with summary in English. N. A.
zhkova, A. I. Dobychina. Vrach.
'63.

osillitis stimulating tuberculous in-
nary in English. P. Sh. Taima-
1 [i.e. 42] no. 2:85-89 F '63.

EVENTION

e control of tuberculosis in children.
trila 41 [i.e. 42] no. 2:85-41 F

ses in tuberculosis prevention in a
hanov. Med. sestra 21 no. 10:12-

TUGBOATS

Indices of power efficiency of motor tugboats. A. Alek-
sandrov. Rech. transp. 22 no. 3:28-30 Mr '63.
New propeller system for motor-tugboats. P. Mechanov,
IU. Aksenov. Mor. flot 23 no. 1:25-27 Ja '63.
Pusher-tug "OT-800" with complex automation.
S. Bellanin. Rech. transp. 22 no. 4:38 Ap '63.

TUGNAY DEPRESSION—COAL GEOLOGY

Experience in using logging for the study of the sequence
of coal-bearing sediments in the Tugnay Depression.
V. S. Dorzhiev. Trudy BKNII no. 7:31-35 '61.

TUKHACHEVSKII, MEKHAIL NIKOLAEVICH, 1893-1937

Last days of a marshal. Lev Nikulin. Ogonek 41 no. 1:
26-27 Mr '63.

TULA—PAVEMENTS, CONCRETE

Determining the dimensions of panels for the turns of a
velodrome. A. A. Alekseev. Nauch. trudy Tul. gor.
inst. no. 3:158-164 '61.

Technology of the construction of the pavement of a
velodrome. A. A. Alekseev. Nauch. trudy Tul. gor.
inst. no. 3:154-158 '61.

TULA PROVINCE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Long life for machines! I. Ledenev. Komsom. zhizn'
no. 2:10-12 Ja '62.

TULA PROVINCE—COAL MINES AND MINING

Mechanization and automation in mines of the Priekazi,
Economic Council. A. A. Subbotin and others. Bezop.
truda v prom. 7 no. 4:22-3 Ap '63.

TULA PROVINCE—COAL MINES AND MINING—TECHNOLOGICAL INNOVATIONS

Over-all mechanization of production processes in a mine.
A. I. Cherepov. Bezop. truda v prom. 8 no. 8:1-3 S
'62.

TULA PROVINCE—FOREST MANAGEMENT

From the practices in carrying out gradual cuttings in the
Tula forests. A. Markin. Les. khoz. 16 no. 1:67-69
Ja '63.

TULA PROVINCE—RED CROSS

Inducing the active members of the Red Cross Society
to assist the medical personnel in a rural area. V. A.
Badakba. Zdrav. Ros. Feder. 6 no. 10:24-26 O '62.

TUMORS

"Role of viruses in the development of tumors" by A. D.
Timofeevskii. Reviewed by V. M. Bergol'ts, Vop.
virus. 7 no. 6:747-748 N-D '62.

TUNDRA see subdivision under Russia, Northern

TUNGSTEN-COBALT ALLOYS—METALLOGRAPHY

Effect of the composition and structure of alloys in the
system WC - Co and TiC - WC - Co on the strength
limit during compression. V. I. Tumanov and others.
Fiz. met. i metalloved. 15 no. 2:285-289 F '63.

TUNGSTEN-COBALT-TITANIUM ALLOYS see Titanium-tungsten-cobalt alloys

TUNGSTEN ISOTOPES—MAGNETIC PROPERTIES

Measurement of the gyromagnetic ratio for the W182 nu-
cleus in the first excited state [with summary in Eng-
lish]. V. A. Kliucharov and others. Zhur. eksp. i teor.
fiz. 44 no. 4:1136-1140 Ap '63.

TUNGSTEN-MOLYBDENUM ALLOYS see Molybdenum-tungsten alloys

TUNGSTEN ORES see subdivision under Chukchi National Area

TUNGUSKA VALLEY, PODKAMENNAYA see Podkamennaya Tunguska Valley

TUNING

Antoshina, M. N. [Teaching intonation with a tuning fork
in solfeggio classes] Intonatsionnaya nastroyka po
kamertonu v klassakh sol'fodzho. Moskva, Muzglz,
1962. 47 p. (V pomoshchi pedagogu-muzykantu)

TUNNEL DIODES

Effect of admixtures with deep levels on the excess
current of germanium tunnel diodes. N. A. Belova.
Radiotekh. i elektron. 8 no. 4:646-652 Ap '63.

Voltampere characteristics of gallium arsenide. L. A.
Logunov, V. S. Pitanov. Radiotekh. i elektron. 8 no. 4:
723-726 Ap '63.

TUNNEL LINING

Working tunnels using anchor supports and sprayed con-
crete. L. N. Bellaev, D. M. Golitsynskii. Transp. stroi.
13 no. 4:19-22 Ap '63.

TUNNELING

Construction of dismantling chambers using a shield.
IA. A. Aliev. Transp. stroi. 13 no. 3:27-28 Mr '63.

Integrated organization and mechanization of tunnel
construction operations. P. A. Chasovtina. Transp.
stroi. 13 no. 3:23-27 Mr '63.

TUNNELS

Pedestrian tunnels in cities. K. E. Aleksander. Probl.
sov. gradostroi. no. 10:76-89 '63.

TUNNELS—STANDARDS

"Road and railroad tunnels. Standards for design." *Izbl. stroit. tekhn.* 20 no. 3:20-21 Mr '63.
Standardization among branches of industry of shallow tunnels and channels. *M. Brodskii. Prom. stroit. i inzh. soor.* 5 no. 2:30-33 Mr-Apr '63.

TURBINES

New profiles for the peripheral cross sections of the working blades of the terminal stage of a large turbine. *G. A. Sokolovskii. Teploenergetika* 10 no. 3:30-33 Mr '63.

TURBINES—ABSTRACTS

[Turbine manufacture] Ref. zhur.: *Turbostr.* no. 5 My '63.

TURBOGENERATORS

Concerning the strength of hydrogenerator rotors. *S. I. Gol'denberg. Elek. sta.* 34 no. 2:50-51 F '63.
Device for indicating the shift of the axle of feed pump rotors. *A. P. Kalinichenko. Energetik* 11 no. 3:11-14 Mr '63.
Engineering regulations for the installation of vertical-shaft hydraulic turbine-generator units. *M. I. Babadzhani. Elek. sta.* 34 no. 2:100-91 F '63.

TURBOGENERATORS—WINDINGS

Damage of the stator winding of the TVF-100-2 turbo-generator. *N. N. Maksimenko. Energetik* 11 no. 3: 6-7 Mr '63.

TURBOMACHINES

Turbo feed-pumps for KVG25 and KVG34 boilers. *V. I. Etnin. Izbl. tekhn. - ekon. inform. Tekhn. upr. Min. mor. flota* 7 no. 4:10-27 '62.

TURBULENCE

Flow of a free turbulent jet into a moving medium. *G. L. Grodzovskii. Prom. aerodin.* no. 23:110-165 '62.
Possibility of using Prandtl and Taylor's turbulent flow models for the solution of turbulent gas flow problems in the absence of solid boundaries. *E. E. Solodkin. Prom. aerodin.* no. 23:6-10 '62.
Propagation of laminar and turbulent axisymmetric spreading jets in a flooded space. *G. L. Grodzovskii. Prom. aerodin.* no. 23:60-71 '62.
Turbulent jet flows with return currents of fluid. *A. S. Ginevskii. Prom. aerodin.* no. 23:80-90 '62.
Turbulent nonisothermal jet flows of a compressed gas. *A. S. Ginevskii. Prom. aerodin.* no. 23:11-65 '62.

TURGAY GATES—BAUXITE

Conditions governing the formation of bauxite-bearing series in the Turgay trough. *A. V. Gol'dbert. Trudy SNIIGIMS* no. 25:81-102 '62.

TURGAY GATES—IRON ORES

Dynkin, A. M. [Contact-metasomatic iron deposits in the southern part of the Main run in Turgay] *Kontakovo-metasomaticheskie mestorozhdeniia zheleza iuzhnoi chasti Glavnoi rudnoi polovy Turgaina. Novosibirsk. Izd-vo Sibirskogo otd-nia AN SSSR.* 1962. 236 p.

TURGAY GATES—PALYNOLOGY

Spores and pollens of the new species of Mesozoic plants in the Turgay trough. *G. M. Romanovskaya. Paleont. zhur.* no. 1:127-138 '63.

TURGENEV, IVAN SERGEEVICH, 1818-1883

Heroine of Turgenev's tale. *Mykola Nazarevskyi. Ukraina* no. 4:24 F '63.
Orel. Gosudarstvennyi muzei I. S. Turgeneva. [I. S. Turgenev's "Sportaman's sketches," 1852-1952] *Zapiski okhotnika* I. S. Turgeneva, 1852-1952; sbornik statoi i materialov. Orel, Orl'ovskaya pravda, 1955 p. 455 p. facsim. (ICU)

TURKESTAN—COMMUNIST PARTY OF THE SOVIET UNION

Following the living tracks of history. *Uzbekiston* 21 no. 11:8-9 N '62.

TURKESTAN—REVOLUTION, 1917-1921—FOREIGN PARTICIPATION

How "Central Asian Review" has "corrected" my study. *A. M. Matveev. Ist. SSSR* 7 no. 1:203-210 Ja-F '63.

TURKEY—ECONOMIC POLICY

Vdovichenko, D. I. [The national bourgeoisie of Turkey] *Natsional'nai burzhuazlia Turtsii. Moskva. In-i mezhdunarodnykh otnoshenii.* 1962. 265 p.

TURKEY—EUROPEAN WAR, 1914-1918

Sarkisian, E. K. [Expansionist policy of the Ottoman Empire in Transcaucasia on the eve of and during the First World War] *Eksansionistskaia politika Osmanskoi imperii v Zakavkaz'e nakanune i v gody Pervoi Mirovoi voyny. Erevan. Izd-vo Akad. nauk Armianskoi SSR.* 1962. 495 p.

TURKEY—LABOR AND LABORING CLASSES

The class struggles in Turkey. *D. Vdovichenko. Mir. ekon. i mezhdunar. otn.* no. 2:107-111 '63.

TURKEY—POLITICS AND GOVERNMENT

The class struggles in Turkey. *D. Vdovichenko. Mir. ekon. i mezhdunar. otn.* no. 2:107-111 '63.
Vdovichenko, D. I. [The national bourgeoisie of Turkey] *Natsional'nai burzhuazlia Turtsii. Moskva. In-i mezhdunarodnykh otnoshenii.* 1962. 265 p.

TURKIC LANGUAGES—TRANSLITERATION INTO RUSSIAN

Form of author entry for the descriptive cataloging of works by Central Asian and Kazakh authors. *S. A. Erzin. Sov. bibl.* no. 1:32-39 '63.

TURKISH DECORATION AND ORNAMENT see DECORATION and ornament, Turkish

TURKISH LITERATURE—HISTORY AND CRITICISM

Fleish, R. G. [Turkish writers, their books and destinies] *Pisatelii Turtsii — knigi i sud'by. Moskva. Sovetskii pisatel'*, 1963. 265 p.

TURKISH LANGUAGE—WORDS

Khudaikuliev, Mukhamedkuli. [Onomatopoeic words in Turkmen] *Podrazhatel'nye slova v turkmenskoi iazyke. Ashkhabad. Izd-vo Akad. nauk Turkmenskoi SSR.* 1962. 134 p.

TURKISH LANGUAGE—AMATEUR ART ACTIVITIES

Amateur art activity is the most important factor in the aesthetic education of workers. *I. L. Sosonkin. Izv. AN Turk. SSR. Ser. obshchestv. nauk* no. 1:25-38 '63.

TURKISH LANGUAGE—ANIMALS AS CARRIERS OF DISEASE

Natural focus diseases of man in Turkmenistan. *E. N. Pavlovskii, P. A. Petrishcheva. Vop. kraev. paraz. Turk. SSR* 3:11-30 '62.
Possible natural sources of visceral leishmaniasis in Turkmenistan. *P. A. Petrishcheva. Vop. kraev. paraz. Turk. SSR* 3:169-178 '62.

TURKISH LANGUAGE—ARCHAEOLOGY

Uzuno-Turkmenistanskai arkhologicheskai kompleks-naia ekspeditsiia, 1946-1948. [Transactions of the Southern Turkmenistan Archaeological Expedition, 1946-1948.] Trudy. Ashkhabad. Izd-vo Akad. nauk Turkmenskoi SSR. Vol. 12, 1963. 371 p.

TURKISH LANGUAGE—COMMUNITY CENTERS

Voluntary participation in the work of the community center. *A. Nepesov. Klub* 12 no. 10:31-33 O '62.

TURKISH LANGUAGE—DELIH BOIL

Characteristics of natural foci of cutaneous leishmaniasis in western Turkmenistan. *M. B. Shekhanov, L. G. Suvorova. Vop. kraev. paraz. Turk. SSR* 3:81-88 '62.
Cutaneous leishmaniasis (Borovskii's disease) in Turkmenistan and the problem of its eradication. *N. F. Rodiakin. Vop. kraev. paraz. Turk. SSR* 3:63-69 '62.
Experiment in mapping the habitat of the greater gerbil within the foci of cutaneous leishmaniasis in southern Turkmenistan. *IU, D. Chugunov and others. Vop. kraev. paraz. Turk. SSR* 3:157-160 '62.
Susceptibility of some wild animals to the agent of cutaneous leishmaniasis. *E. M. Belova. Vop. kraev. paraz. Turk. SSR* 3:103-115 '62.
Treatment of the initial stage of cutaneous leishmaniasis by acriche injections and recurrent cases of the disease. *I. A. Davydov. Vop. kraev. paraz. Turk. SSR* 3:90-102 '62.

TURKISH LANGUAGE—ECONOMIC RESEARCH

Bring economics nearer to the practice of the building of communism. *A. Annaklychev, V. S. Manakov. Izv. AN Turk. SSR. Ser. obshchestv. nauk* no. 1:3-7 '63.

TURKISH LANGUAGE—GEOGRAPHY

Turkmen S. S. R. Ministerstvo narodnogo obrazovaniia. [Programs on the geography of the Turkmen S. S. R.] *Programmy po geografii Turkmenskoi SSR. Ashkhabad. Turkmenuchpedgiz.* 1962. 17 p.

TURKISH LANGUAGE—GERBILS AS CARRIERS OF DISEASE

Experiment in mapping the habitat of the greater gerbil within the foci of cutaneous leishmaniasis in southern Turkmenistan. *IU, D. Chugunov and others. Vop. kraev. paraz. Turk. SSR* 3:157-160 '62.

TURKISH LANGUAGE—HEDGEHOGS AS CARRIERS OF DISEASE

Susceptibility of some wild animals to the agent of cutaneous leishmaniasis. *E. M. Belova. Vop. kraev. paraz. Turk. SSR* 3:103-115 '62.

TURKISH LANGUAGE—HELEDAE

Biting midges (Holeidae) in Turkmenistan. *P. A. Petrishcheva. Vop. kraev. paraz. Turk. SSR* 3:207-209 '62.

TURKISH LANGUAGE—HISTORY—SOURCES

Akademii nauk Turkmenskoi SSR. Ashkhabad. Institut istorii, arkhologii i etnografii. [Penetration of revolutionary ideas into Turkmenistan and the development of the revolutionary movement in this country in 1881-1907; documents and source materials] *Proniknovenie revoliutsionnykh idei i razvitiie revoliutsionnogo dvizheniia v Turkmenistane v 1881-1907 gody; dokumenty i materialy.* Pod red. B. Kurbanova i L. R. Semenovoi. Ashkhabad. Izd-vo Akad. nauk Turkmenskoi SSR, 1962. 521 p.

TURKISH LANGUAGE—HYPOCOLIUS

Hypocotilus ampetinus in the U. S. S. R. *V. E. Flint. Ornithologia* no. 4:186-188 '62.

TURKISH LANGUAGE—KURDS—MARRIAGE CUSTOMS AND RITES

Wedding customs among the Kurds of Turkmenistan. *A. Mamedazarov. Izv. AN Turk. SSR. Ser. obshchestv. nauk* no. 1:40-51 '63.

TURKISH LANGUAGE—LANGUAGES—STUDY AND TEACHING

Conference on the problems of the content and methods of teaching. *Sapargeli'dy Nazarov. Inostr. iaz. v shkole* no. 2:125-127 Mr-Apr '63.

TURKISH LANGUAGE—LEISHMANIASIS

Possible natural sources of visceral leishmaniasis in Turkmenistan. *P. A. Petrishcheva. Vop. kraev. paraz. Turk. SSR* 3:169-178 '62.

TURKISH LANGUAGE—LEISHMANIASIS—RESEARCH

Study of leishmaniasis in the Ashkhabad Institute of Epidemiology and Hygiene. *E. S. Popova. Vop. kraev. paraz. Turk. SSR* 3:55-61 '62.

TURKISH LANGUAGE—LEMON

Kozlov, I. A. [Cultivation of lemon in Turkmenistan] *Kul'tura limona v Turkmenskoi SSR. Otv. red. K. M. Muradov. Ashkhabad. Izd-vo Akad. nauk Turkmenskoi SSR.* 1963. 26 p. (DNAL)

TURKISH LANGUAGE—MILK VETCH

Some structural characteristics of the subterranean organs of *Astragalus retamocarpus* Boiss. et. Hohen. *P. K. Krasil'nikov. Bot. zhur.* 48 no. 2:266-268 F '63.

TURKISH LANGUAGE—MOSQUITOES

Natural biotopes of bloodsucking mosquitoes in Turkmenistan. *P. A. Petrishcheva. Vop. kraev. paraz. Turk. SSR* 3:243-265 '62.

TURKISH LANGUAGE—NARCOTIC LAWS

Judicial practice and the struggle against narcotic habit. *A. Alimamedov. Sots. zakon.* 39 no. 7:21-23 Ji '62.

TURKISH LANGUAGE—PALMS, FOSSIL

Nipa Thunba. palm fossil in Eocene sediments in Turkmenia. *G. N. Gladkova. Trudy VNIGRI no. 196. Paleont. sbor.* no. 3:579-599 '62.

TURKISH LANGUAGE—Q FEVER

Q-fever in Turkmenistan. *Z. M. Zhmaeva, A. A. Pchelkina, B. E. Karulin. Vop. kraev. paraz. Turk. SSR* 3:207-213 '62.

TURKISH LANGUAGE—RELAPSING FEVER

Data on tick-borne recurrent typhus in Turkmenistan. *E. B. Korbabaev. Vop. kraev. paraz. Turk. SSR* 3:179-185 '62.

TURKISH LANGUAGE—RODENTS AS CARRIERS OF DISEASE

Susceptibility of some wild animals to the agent of cutaneous leishmaniasis. *E. M. Belova. Vop. kraev. paraz. Turk. SSR* 3:103-115 '62.

TURKISH LANGUAGE—SAND FLIES AS CARRIERS OF DISEASE

Characteristics of natural foci of cutaneous leishmaniasis in western Turkmenistan. *M. B. Shekhanov, L. G. Suvorova. Vop. kraev. paraz. Turk. SSR* 3:81-88 '62.

TURKISH LANGUAGE—SEA URCHINS, FOSSIL

Turangelaster, a new echinoid genus from Upper Cretaceous sediments in Turkmenia and Azerbaijan. *A. N. Solov'ev, O. G. Melikov. Paleont. zhur.* no. 1:105-110 '63.

TURKISH LANGUAGE—SERICULTURE

Increasing the economic efficiency of sericulture on the collective farms of the Murgab and Tedzhen Oases, the Turkmen S. S. R. *I. A. Geist. Izv. AN Turk. SSR. Ser. obshchestv. nauk* no. 1:52-58 '63.

TURKISH LANGUAGE—TICKS

Data on some species of ticks of the genus *Hyalomma* from Turkmenistan; the tick *Hyalomma marginatum* Koch, 1844. *E. B. Korbabaev. Vop. kraev. paraz. Turk. SSR* 3:223-229 '62.

Development of some species of ixodid ticks. Preliminary report. *E. B. Korbabaev. Vop. kraev. paraz. Turk. SSR* 3:231-234 '62.

TURKISH LANGUAGE—TICKS AS CARRIERS OF DISEASE

Behavior of ticks of the genus *Ornithodoros* in the anterior section of the burrow. *E. B. Korbabaev. Vop. kraev. paraz. Turk. SSR* 3:199-205 '62.
Ixodid ticks of Turkmenistan, their pathogenic importance and distribution in the republic. *E. B. Korbabaev. Vop. kraev. paraz. Turk. SSR* 3:215-222 '62.

TURKISH LANGUAGE—WATER, UNDERGROUND

Method for utilizing fresh water lenses and basic prerequisites for estimating their reserves. *V. D. Babushkin, I. S. Glazunov, V. M. Gol'berg. Vop. gidrogeol. i inzh. geol.* no. 20:71-89 '62.

TURKMENISTAN—WATER, UNDERGROUND—ANALYSIS
Akademii nauk SSSR. Laboratoriya gidrogeologicheskikh problem. [Geochemistry of underground waters in certain regions of Turkmenia and Uzbekistan] Geokhimiya podzemnykh vod nekotorykh rayonov Turkmenii i Uzbekistana. Moskva, Izd-vo Akad. nauk SSSR, 1963. 98 p.

TURKSIB—AIR, IONIZED—THERAPEUTIC USE
Changes in the bioelectric activity of the brain in hypertension patients under the influence of a single treatment of inhaling light aerolons. G. G. Efremushkin. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:168-174 '62.

Effect of artificially ionized air together with other health resort factors of the Turksib Sanatorium on the electric activity of the brain in hypertension patients. G. G. Efremushkin. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:161-167 '62.

Our experiment with aero-ionotherapy in the Turksib Sanatorium. Report No. 2. I. G. Zheleznikov. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:126-132 '62.

TURKSIB—CLIMATE
Climatic characteristics of the Turksib Sanatorium. Report No. 1. I. G. Zheleznikov, T. S. Rusmanova. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:119-125 '62.

TURKSIB—PHYSICAL THERAPY
Comparative evaluation of the therapeutic effectiveness of radon coniferous baths, and physical therapy for patients with neuroses in a sanatorium: according to data on a study of the nervous system and vascular reflexes. I. I. Volkov. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:133-160 '62.

TURKSIB—SANATORIA
Climatic characteristics of the Turksib Sanatorium. Report No. 1. I. G. Zheleznikov, T. S. Rusmanova. Trudy Inst. kraev. pat. AN Kazakh. S. S. R. 11:119-125 '62.

TURNING
Approximate calculation of the speed of machining on lathes for steels and chrome-nickel alloys according to their chemical composition. N. I. Tashkizki. Vest. mashinost. 43 no. 4:50-50 Ap '63.

Calculating errors in machining parts by the method of transverse turning with a radial feed. M. A. Lazhnikovskaya. Izv. vuz. ucheb. zav. i prib. 6 no. 2:147-153 '63.

Methods for experimental establishment of high-speed turning conditions in machine shops. A. S. Kondratov. Vest. mashinost. 43 no. 4:50-61 Ap '63.

Obshchaya B. I. [Methodology of teaching machining on lathes] Metodika prepodavaniya tokarnogo dela. Izd. 3. perer. i dop. Moskva, Proftekhizdat, 1963. 281 p.

Sovetskoye V. A. [Laboratory course in turning] Laboratornyy praktikum v tokarnykh gruppakh posobie dlia instruktorov proizvodstvennogo obucheniya v srednei shkole. Moskva, Izd-vo APN RSFSR, 1962. 77 p.

TURPENTINE—THERAPEUTIC USE
Using turpentine in enzootic catarrhal and catarrhal-hemorrhagic inflammation of intestines in goats. E. M. Krepyshev. Trudy Kras. SMU 3 no. 1:93-99 '60.

TURPENTINING
(see also subdivision under Tyumen' Province)
[Manual on turpentinizing] Spravochnik: posobie lesa. Pod obshch. red. B. V. Tuljakov. Moskva, Gosleskhizdat, 1962. 334 p. (DNAL)

TURSHU (AZERBAIJANI)—HEALTH RESORTS, WATER-ING PLACES, ETC.
Influence of the Turshu health resort area and the Shiran mineral water on the evacuative capability of the stomach. A. I. Karaev, R. I. Safarov. Shor. trud. Azerb. nauch. i issl. inst. kur. i fiz. med. lech. no. 3: 9-14 '60.

TUSOCK MOTH—BIOLOGICAL CONTROL
Mycologic method for controlling the moth Oenieria monacha. I. Chernyshev. Les. khoz. 16 no. 1:59 Ja '63.

TUVA A. S. S. R.—GEOLOGY, STRATIGRAPHIC
Ordovician of the Khamshik zone in western Tuva. V. M. Sannikov, M. A. Mikhailov. Geol. i geofiz. no. 1:141-144 '63.

TUVA A. S. S. R.—MOHAMMEDAN ANTIQUITIES
Medieval Moslem monument in Tuva. L. R. Kyzlasov. Sov. arkhool. 7 no. 2:203-210 '63.

TUVA A. S. S. R.—STATISTICS
Tannu-Tuva. Statisticheskoe upravlenie. [National economy of the Tuva A. S. S. R.] statistical abstract] Narodnoe khoz. i stat. Tuvinskoi ASSR; statisticheskii sbornik. Kyzyl, Tuvinskoe knizhnoe izd-vo, 1962. 260 p.

[MICROFILM]

TUVA A. S. S. R.—TENT CATERPILLARS—BIOLOGICAL CONTROL
From practices in the bacteriological control of the tent caterpillar Dendrolimus sibiricus in Tuva. A. S. R. A. B. Gukasian, V. D. Fedorovskii. Les. khoz. 16 no. 1:44-45 Ja '63.

TVARDOVSKII, ALEKSANDR TRIFONOVICH, 1910-
Libarova, E. P. [Poem of A. Tvardovskii "Long, long way"] Poema A. Tvardovskogo "Za dal'nyu-dal'". Moskva, Gos. izd-vo khudozh. lit-ry, 1962. 101 p. (Massovaya istoriko-literaturnaya biblioteka) (RFB)

TWAIN, MARK, pseud. see Clemens, Samuel
Langhorne, 1835-1910

TWILIGHT
Polarization of light from the sky during twilight [with summary in English]. T. G. Megrel'shvi. Blul. Abast. astrofiz. obser. no. 20:93-102 '62.

Spectral studies of the OH emission of light from the sky during twilight [with summary in English]. T. G. Megrel'shvi, T. I. Torosheidze. Blul. Abast. astrofiz. obser. no. 20:103-109 '62.

TYACHEV DISTRICT—JUSTICE, ADMINISTRATION OF
For a strict observance of socialist laws. V. Betsa. Rad. pravo no. 2:89-92 Mr.-Ap '63.

TYACHEV DISTRICT—UKRAINIAN LANGUAGE—DIALECTS
The most significant phonetic and morphologic characteristics of Hungarian loan words in the Ukrainian "ukrahshchil" dialect of Tyachev District in Transcarpathia. A. A. Mokan. Uch. zap. LGU no. 314:60-74 '62.

TYPE AND TYPE FOUNDING
(see also subdivision under Moscow)
Basic elements of the theory of the process of casting letters from plastic. V. N. Ponomarev. Trudy NIIPoligrafmash. no. 16:3-36 '62.

TYPESETTING MACHINES
Large-point phototypesetting machine. L. K. Erenin. Trudy NIIPoligrafmash. no. 17:18-26 '62.

TYPHOID FEVER
Umugova, Kh. A., N. S. Loginova, and O. S. Makhmudov. [Typhoid fever and paratyphoid fever in children] Brishnoi tif i paratify d etel. Tashkent, Modgiz UzSSR, 1962. 169 p. (DNAL)

Treatment of typhoid fever with various doses of chloromycin and syntomycin (continuous method). P. I. Plankov. Sov. med. 26 no. 1:65-69 Ja '63.

TYRNYAUZ—CRUSHING MACHINERY—TESTING
Results of testing inertial crushers and centrifugal mills at the Tyrnyauz Combine. B. N. Dubrovina, B. N. Fedorov. Obog. rud 7 no. 3:34-36 '62.

TYROSINE
Mechanism of C¹⁴-tyrosine incorporation into proteins of large cytoplasmic granules [with summary in English]. L. Tolstus. Biokhimiya 28 no. 1:161-171 Ja-F '63.

TYUMEN' PROVINCE—AGRICULTURAL WORKERS
Moscow residents change their registration. A. Kana-shevich, A. Perekhodina. Smena 39 no. 11:1-3 Je '62.

TYUMEN' PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING
Effectiveness of ideological work. B. Shcherbina. Part. zhizn' no. 9:8-14 My '63.

TYUMEN' PROVINCE—AGRICULTURE—FINANCE
First steps of a rural province finance department. L. Lukashkov. Fin. SSSR 37 no. 4:60-69 Ap '63.

TYUMEN' PROVINCE—TURPENTINING
Vartikovskii, G. L., I. I. Orlov, and V. I. Maksimov. [Three years' results (1959-1961) of forecasting the tar production of the pine forests of the Tyumen' Economic Council, and the forecast of tar production for the 1962 tapping season] Trekhletnie itogi prognozirovaniya smoleproduktivnosti sosnovykh lesov Tiimenskogo soynarkhoza, 1959-1961 gg. i prognoz smoleproduktivnosti dlia sezona podsechki 1962 g. Tyumen', TSentr. biuro tekhn. informatsii, 1962. 14 p. (PHOTOCOPY)

UFA—ART SCHOOLS
We wish you success, lucky ones! N. Vasil'ev. Smena 39 no. 17:14-15 S '62.

UFA—GAS COMPANIES
Creative activity of innovators of the gas distribution system. N. A. Sankin. Bezop. truda v prom. 6 no. 8: 35-36 Ag '62.

UFA—MACARONI
Mechanization of the intrashop conveying of production in the Ufa Macaroni Factory. R. O. Gimranov. Khleb. i kond. prom. 7 no. 4:31-34 Ap '63.

UFA—MOTORCYCLE RACING
Final chord. V. Karneev. Za rul. 20 no. 5:30 My '62.

UFA—MUSIC—INSTRUCTION AND STUDY
We wish you success, lucky ones! N. Vasil'ev. Smena 39 no. 17:14-15 S '62.

UFA—PETROLEUM INDUSTRY—HYGIENIC ASPECTS
From border to border. S. Aleksandrov. Ochr. truda i soc. strakh. no. 4:24-25 Ap '63.

UFA—RHEUMATIC HEART DISEASE
Distribution of rheumatic fever among the school children of Ufa [with summary in English]. E. N. Tretyakova and others. Vop. revm. 3 no. 1:66-70 Ja-Me '63.

UFA PROVINCE—EDUCATION, PRESCHOOL
Student practice in state and collective farm kindergartens. T. Khuzainov. Doshk. vosp. 36 no. 3:13-15 Je '63.

UKHTA DISTRICT—AUDITING AND INSPECTION
The city committee is right. A. Tulubenski. Part. zhizn' no. 8:57-58 Ap '63.

UKRAINE
Lytyva, K. Z. [The Ukraine in questions] Ukraina i zapytanni vidpovidai. Kyiv, Derzh. vyd-vo pols. lit-ry URSR, 1961. 174 p. (WU)

UKRAINE—ADMINISTRATIVE AND POLITICAL DIVISIONS
Economic regions of the Ukraine. Znannia ta pratsia no. 2:2 F '63.

UKRAINE—ADMINISTRATIVE ECONOMIC COUNCILS
Legal problems in the organization and work of economic councils in the Ukraine. H. Aleksandrenko. Rad. pravo no. 1:40-18 [Ja-F] '63.

UKRAINE—ADMINISTRATIVE LAW
Dubrovina, A. B. [Reorganization of the Ukrainian S. S. R. government organs in 1937-1941] Perebudovali vladu Ukrainy kol RSR u 1937-1941 rr. [Kyiv, Vyd-vo Kyivskoho univ., 1960. 28 p. (MH-L)]

We should amend the code of administrative law. O. Iakuba. Rad. pravo no. 1:97-92 [Ja-F] '63.

UKRAINE—ADVERTISING
In the Ministry of Commerce of the Ukrainian S. S. R. Sov. org. 36 no. 2:56-57 F '63.

UKRAINE—AERONAUTICS, COMMERCIAL
At the sources. M. Liakhovetski. Grazhd. av. 2-9 no. 1:13 Ja '63.

UKRAINE—AGRICULTURAL ADMINISTRATION
We should do our best in carrying out the objectives of our party. Komm. Ukr. 36 no. 4:11-17 Ap '63.

UKRAINE—AGRICULTURAL CHEMISTRY—STUDY AND TEACHING
Kalinka, A. V. [Relation of the teaching of chemistry to agriculture] Zv'язok vykladanni khimii z sil'skokhoskars'kym vyrobnitstvom; posibnyk dlia velyteliv. Kyiv, Radnashka shkola, 1962. 138 p. (DNAL)

UKRAINE—AGRICULTURAL LAWS AND LEGISLATION
Codification of the agricultural laws of the U. S. S. R. P. Indychenko. Rad. pravo no. 2:77-82 Mr.-Ap '63.

UKRAINE—AGRICULTURAL MACHINERY
Approved for manufacture. Mekh. sil. hosp. 14 no. 8-9, 10, 22, 24 F '63.

Danylovich, S. I., and others. [Over-all mechanization of corn production] Kompleksna mekhanizatsiia vyrobnytstva kukurudzy. Za red. V. B. Babuka. Kyiv, Izd-vo Akad. sil'skokosp. nauk, 1962. 194 p. (DNAL)

Ushakov, O. F., and S. I. Klyavir. [Over-all mechanization of growing sugar beets] Kompleksna mekhanizatsiia v buraklyvnytstvi. 2., perer. i dop. vyd. Kyiv, Derzhsil'hospvydav URSR, 1962. 229 p. (DNAL)

UKRAINE—AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR
Agricultural machines should be repaired the whole round by specialized crews. P. V. Omel'chuk. I. P. Dmytryshyn. Mekh. sil. hosp. 14 no. 2:23-24 F '63.

In the republic society "Ukrainian hospital." Mekh. hosp. 14 no. 1:12 Ja '63.

UKRAINE—AGRICULTURAL MACHINERY—STUDY AND TEACHING
On a communal basis. O. I. Ostapenko. Mekh. sil. hosp. 14 no. 2:4 F '63.

Provide all collective and state farms with machine operators. M. O. Davydanko. Mekh. sil. hosp. no. 2:3-4 F '63.

UKRAINE—AGRICULTURAL WAGES
Wages for machinery operators. I. N. Zal'tsman. sil. hosp. 14 no. 2:31-32 F '63.

UKRAINE—AGRICULTURAL WORKERS
Zablada, N. H. [Life, Work, Meditation; a field is telling her story] Zhytia, Pratsa, Rozdumy; rozkavkova. Kyiv, Derzhpolitytydav URSR, 1962. 10 p. (DNAL)

UKRAINE—AGRICULTURE

Discussing the path of their "offensive." *Ukraina* no. 7: 1 Ap '63.

For the further development of Soviet farming. *Andri-enko, Komm. Ukr.* 38 no. 4:18-28 Ap '63.

For the maximum employment of agricultural potentials in the Ukraine. *Ekon. Rad. Ukr.* no. 2:3-9 Mr-Ap '63.

We are meeting the spring as true masters. *Mekh. sil'. hosp.* 14 no. 2:1-2 F '63.

UKRAINE—AGRICULTURE—STUDY AND TEACHING

Raising the educational level of Ukrainian collective farmers, 1950-1961. *V. S. Petrenko. Ukr. ist. zhur.* 6 no. 2:73-78 Mr-Ap '63.

"Rapid cultural development of rural regions, how Ukrainian collective farmers have raised their cultural level and technical qualifications during the large-scale building of communism" by V. S. Petrenko. Reviewed by A. Santsevich. *Komm. Ukr.* 38 no. 4:92-95 Ap '63.

UKRAINE—ALLIED INTERVENTION, 1918-1920

"Imperialist policy of the Entente and the U.S.A. toward the Ukraine in 1919" by R. O. Simonenko. Reviewed by A. Kurlina. *E. Skliarenko. Komm. Ukr.* 38 no. 3:92-95 Mr '63.

UKRAINE—AMATEUR ART ACTIVITIES

Amateur art activities in the Ukraine. *L. Nosov. Nar. tvorch. ta etn.* 6 no. 4:139-140 O-D '62.

UKRAINE—AMATEUR MOTION PICTURES

The Third Republic Amateur Motion Picture Festival. *V. Perlovych. Nar. tvorch. ta etn.* 6 no. 4:138-139 O-D '62.

UKRAINE—AMATEUR THEATRICALS

Mykola Lysenko Music and Drama School and amateur theatricals. *R. M. Estepenko. Nar. tvorch. ta etn.* 6 no. 4:95-98 O-D '62.

UKRAINE—APPELLATE COURTS

Let us improve our supervisory proceeding. *V. Hlukh. Rad. pravo* no. 2:30-35 Mr-Ap '63.

UKRAINE—ARBITRATION AND AWARD

Decisions of arbitration agencies. *Rad. pravo* no. 2: 146-147 Mr-Ap '63.

UKRAINE—ARCHITECTURE, MODERN

Our time and traditions. *O. Fedorov. Ukraina* no. 4:12 F '63.

UKRAINE—ARMENIANS

"Armenian colonies in the Ukraine in historical sources and literature from the 15th to the 19th century" by I. A. R. Dashkevich. Reviewed by G. P. Pingirlan. *Ukr. ist. zhur.* 6 no. 2:156-157 Mr-Ap '63.

UKRAINE—ART INDUSTRIES

"Beauty lives forever" by I. Voloshyn. Reviewed by K. Promenyte'kyi. *Nar. tvorch. ta etn.* 6 no. 4:135-136 O-D '62.

UKRAINE—AUDITING AND INSPECTION

Economic analysis is the means for uncovering production potentials. *I. Ishchenko. Ekon. Rad. Ukr.* no. 2: 111-113 Mr-Ap '63.

UKRAINE—AUTOMOBILES—MODELS

Young people's creative activity. *L. Klochan. Za kul.* 20 no. 5:28 My '62.

UKRAINE—AUXILIARY POLICE

How our voluntary policemen maintain law and order. *M. Marchenko. M. Danylov. V. Velenyk. Rad. pravo* no. 3:34-39 My-Je '62.

We should improve the work of voluntary policemen. *A. Znakuluk. Rad. pravo* no. 2:9-14 Mr-Ap '63.

UKRAINE—BANKS AND BANKING

Put projects in the final stages of construction at the center of attention. *B. Lisitsyn. Fin. SSSR* 37 no. 4: 26-30 Ap '63.

UKRAINE—BONE CARVING

A unique monument of ancient art. *V. Diadenko. Nar. tvorch. ta etn.* 6 no. 4:142-145 O-D '62.

UKRAINE—BOOKSELLERS AND BOOKSELLING

Republic-wide conference of the friends of books. *S. Kirilov. Sov. knizh. torg.* 14 no. 4:5-7 Ap '63. Sign of the times. *V. Smolchova. Sov. knizh. torg.* 14 no. 4:9-11 Ap '63.

UKRAINE—BOTANICAL GARDENS

Karagay, G. M. ["Askaniya-Nova" Botanical Park] *Boimicheskii park "Askaniya-Nova"; Itogi rabot. Kiev, Gosstatizdat USSR, 1962.* 200 p.

UKRAINE—BUCKWHEAT

Savits'kyi, K. A. [Growing buckwheat in the Ukraine] *Kul'tura hroshky na Ukraini. Kyiv, Derzhall'hospvydav URSR, 1963.* 202 p. (DNAL)

UKRAINE—CATHOLIC CHURCH (BYZANTINE RITES)

Kurylas, Bolidan, [Conversion of Archbishop Meletii Smotryts'kyi from the historical and psychological viewpoint] *Z'lydynennia arkhiepyskopa Meletia Smotryts'koho v istorychnomu i psykholohichnomu nasvitleni. L'unieon de l'archeveque M. Smotryts'kyi dans la lumiere de l'histoire et de la psychologie. Brussels, Centre Ukrainien d'etudes en Belgique, 1962.* 139 p. (MH)

UKRAINE—CENSUS

Russia (1923- U.S.S.R.) Tsentral'noe statisticheskoe upravlenie. [Results of the 1959 all-Union population census; the Ukrainian S.S.R.] Itogi Vsesoiuznoi perepisi naseleniia 1959 goda; Ukrainskaia SSR. Moskva, Gosstatizdat, 1963. 209 p.

UKRAINE—CHEMICAL INDUSTRIES

For high development rates in the chemical industry of the republic. *I. Vilesov. Ekon. Rad. Ukr.* no. 2:10-14 Mr-Ap '63.

UKRAINE—CITIES AND TOWNS

Preparation of the "History of Soviet Ukrainian cities and villages." *P. T. Tron'ko. Ukr. ist. zhur.* 6 no. 2:24-30 Mr-Ap '63.

Preparation of the "History of Ukrainian cities and villages"; its organization and methods. *I. V. Harnaha. Ukr. ist. zhur.* 6 no. 2:98-101 Mr-Ap '63.

UKRAINE—COAL MINES AND MINING

Projects approved for reconstructing mines. *A. A. Zaplotynskii. Ugol' Ukr.* 7 no. 4:47-48 Ap '63.

UKRAINE—COKE INDUSTRY—BY-PRODUCTS

Increase the use of coke oven gas, natural gases and coke by-products in the production of synthetic materials. *N. Zhehlman. Ekon. Rad. Ukr.* no. 2:22-25 Mr-Ap '63.

UKRAINE—COLLECTIVE FARMS

The changing face of the village. *H. Bonk. S. Shumars'kyi. Sil', bud.* 12 no. 5:13-14 My '62.

Reminiscences on the collectivization of agriculture in the Ukraine. *S. T. Lukashenko, A. S. Barladian. Ukr. ist. zhur.* 6 no. 2:105-107 Mr-Ap '63.

UKRAINE—COLLECTIVE FARMS—FINANCE

Employ extra income for developing stockbreeding. *B. I. A. Pansluk. Uchet i fin. v kolhoz, i sovkhoz.* 20 no. 3: 32 Mr '63. From practice in organizing working capital on a collective farm. *B. V. Valentynov. Uchet i fin. v kolhoz, i sovkhoz.* 20 no. 3:29-30 Mr '63.

UKRAINE—COLLECTIVE FARMS—LAWS AND LEGISLATION

Anchuk, V. Z., ed. [Collected legislative enactments and regulations of the U.S.S.R. and the Ukrainian S.S.R. on collective farming] Zbirnyk ditueykh zakonodavchikh i normatyvnykh aktiv SRSR i URSR z kolhospolno budivnytstva. Kyiv, Derzhall'hospvydav URSR, 1962. 440 p.

UKRAINE—COMBINES (AGRICULTURAL MACHINERY)

Danylevych, S. I. [Harvesting corn with grain combines] Zbyrannia kukurudzy zernovymy kombainamy. Kyiv, Derzhall'hospvydav URSR, 1962. 56 p. (DNAL)

UKRAINE—COMBINES (AGRICULTURAL MACHINERY)—MAINTENANCE AND REPAIR

Repairing combines at specialized shops. *A. A. Voronenko. Mekh. sil', hosp.* 14 no. 2:11-13 F '63.

UKRAINE—COMMERCE

"Development of commerce and commodity production in the Ukraine" by I. O. Hurzhil. Reviewed by V. O. Markina. *O. I. Luhova. Ukr. ist. zhur.* 6 no. 2:149-151 Mr-Ap '63.

UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Role of the working community in the struggle for the communist reorganization of the way of life. *V. T. Zynch. Nar. tvorch. ta etn.* 6 no. 4:3-10 O-D '62.

UKRAINE—COMMUNIST YOUTH LEAGUE

Toward the new heroic deeds! *Znannia ta pratsia* no. 2: 1 F '63.

We should do our best in carrying out the objectives of our party. *Komm. Ukr.* 38 no. 4:11-17 Ap '63.

UKRAINE—COMMUNITY CENTERS

Role of rural clubs in the political education of rural toilers. *R. D. Chaichuk. Ukr. ist. zhur.* 6 no. 2:108-110 Mr-Ap '63.

UKRAINE—CONSTITUTIONAL LAW

"History of the state and law of the Ukrainian S.S.R., 1917-1960." Reviewed by V. Kalynovych. *V. Kul'chyts'kyi. Rad. pravo* no. 2:143-147 Mr-Ap '63.

UKRAINE—CONSTRUCTION INDUSTRY—COSTS

Potentials for reducing the cost of construction and assembly work in the agriculture of the Ukrainian S.S.R. *M. Berlin. Ekon. Rad. Ukr.* no. 2:56-61 Mr-Ap '63.

UKRAINE—CONSTRUCTION INDUSTRY—FINANCE

Put projects in the final stages of construction at the center of attention. *B. Lisitsyn. Fin. SSSR* 37 no. 4: 26-30 Ap '63.

UKRAINE—CORN (MAIZE)

Danylevich, S. I., and others. [Over-all mechanization of corn production] Kompleksna mekhanizatsiia vyrobnytstva kukurudzy. Za red. V. B. Babuka. Kyiv, Izd-vo Ukr. Akad. all'skohoosp. nauk, 1962. 194 p. (DNAL)

Without the use of manual labor. *V. M. Kravchenko. Mekh. sil', hosp.* 14 no. 2:9-10 F '63.

UKRAINE—CORN (MAIZE)—HARVESTING

Danylevych, S. I. [Harvesting corn with grain combines] Zbyrannia kukurudzy zernovymy kombainamy. Kyiv, Derzhall'hospvydav URSR, 1962. 56 p. (DNAL)

Romanuk, O. I. [Harvest corn with machines only]

Zbyratty kukurudzu til'ky mashynamy. Kyiv, Derzhall'hospvydav URSR, 1962. 29 p. (DNAL)

UKRAINE—CRIMINAL LAW

Preparation of the new criminal code of the Ukrainian S.S.R. *P. Mykhailenko. Rad. pravo* no. 2:70-77 Mr-Ap '63.

UKRAINE—CRIMINAL PROCEDURE

Problems relating to the codification of the criminal procedure laws of the Ukrainian S.S.R. *O. Solov'ov. Rad. pravo* no. 2:82-88 Mr-Ap '63.

System of the criminal procedure code of the Ukrainian S.S.R. *I. A. Shutin. Rad. pravo* no. 1:96-101 [Ja-F] '63.

UKRAINE—CROWN-GALL DISEASE

Crown gall as a dangerous disease in nurseries. *E. V. Isaeva. Zashch. rast. ot vred. i bol.* 6 no. 1:12 N '61.

UKRAINE—DISORDERLY CONDUCT

How we implement the decree on the struggle against rowdism. *S. Kogan. Rad. pravo* no. 1:77-80 [Ja-F] '63.

Pretrial investigation and judicial examination of disorderly conduct cases. *B. Iaroslav's'kyi, P. Matysheva'-kyi, K. O. Leksienko. Rad. pravo* no. 2:116-124 Mr-Ap '63.

UKRAINE—DOLLS

Taras'kyi has crossed the ocean. *M. Horoshko. Ukraina* no. 5:24 Mr '63.

UKRAINE—DOMESTIC RELATIONS

"History of the family and marriage law of the Ukrainian S.S.R." by G. K. Matveev. Reviewed by M. Topol'-nyts'kyi. *Rad. pravo* no. 3:151-153 My-Je '62.

UKRAINE—ECONOMIC CONDITIONS

Defense of a dissertation for the degree of Doctor of Historical Science. *N. V. Plushch. Ukr. ist. zhur.* 6 no. 2:162 Mr-Ap '63.

"Development of commerce and commodity production in the Ukraine" by I. O. Hurzhil. Reviewed by V. O. Markina. *O. I. Luhova. Ukr. ist. zhur.* 6 no. 2:149-151 Mr-Ap '63.

The 45th anniversary of the Soviet Ukraine. *Blok. agit. [Gruz.]* 19 no. 23:23-24 D '62.

Markina, V. A. [Baronial estates of the right bank of the Dniester in the Ukraine during the second half of the 18th century; its social and economic development] Magnatske pomest'e Pravooberezhnoi Ukrainy vtoroi poloviny XVIII v.; sotsial'no-ekonomicheskoe razvitiie. [Kiev] Izd-vo Kievskogo univ., 1961. 232 p. (MH)

We are growing! *Ukraina* no. 4:1 F '63.

UKRAINE—ECONOMIC POLICY

Dotsenko, I. L., and V. Ye. Kozak. [Sources of our strength and prosperity] Dzhorela nashei syly i dostatku. Kyiv, Vyd-vo AN URSR, 1963. 63 p. (Problemy komunistychnoho budivnytstva v svitli rishen' XXII z'lydu KPRS)

UKRAINE—ECONOMIC ZONING

Economic regions of the Ukraine. *Znannia ta pratsia* no. 2:2 F '63.

UKRAINE—EDUCATION, PRESCHOOL

Let's raise the work standards of methodological study rooms. *M. Il'chenko. Doshk. vykh.* 24 no. 3:6-9 Mr '63.

Public Inspector as an active organizer of preschool education. *N. Promyslova. Doshk. vykh.* 24 no. 3: 3-6 Mr '63.

Seminar of activists in preschool education. *N. Makhovt. Doshk. vykh.* 24 no. 3:46-47 Mr '63.

UKRAINE—ELECTRIC INSULATORS AND INSULATION

Work practices of the Pervomaisk Factory of Electric Engineering Porcelain. *L. M. Sadyonicha. Leh. prom.* no. 1:48-49 Ja-Mr '63.

UKRAINE—ERYSIPLOID

Golota, I. A. [Swine erysipelas and measures for its control in the Ukraine] Rozha svinei i mery bor'by s nei na Ukraini. Kiev, Gos. izd-vo sel'khoz. lit-ry URSR, 1962. 188 p. (DNAL)

UKRAINE—FARM BUILDINGS

Potentials for reducing the cost of construction and assembly work in the agriculture of the Ukrainian S.S.R. *M. Berlin. Ekon. Rad. Ukr.* no. 2:56-61 Mr-Ap '63.

UKRAINE—FARM BUILDINGS—FIRES AND FIRE PREVENTION

You are our real friend, ... P. Tochilkin. Pozh. delo 9 no. 3:25 Mr '63.

UKRAINE—FARM MECHANIZATION

All efforts should be made to fulfill the resolutions of the November Plenum of the Central Committee of the CPSU. V. I. Kryvoshelev. Mekh. sil'. hosp. 14 no. 1:1-2 Ja '63.

Forms of the organization of the work of mechanizers on collective farms. V. M. Hol'man. Mekh. sil'. hosp. 14 no. 1:17-21 Ja '63.

Without the use of manual labor. V. M. Kravchenko. Mekh. sil'. hosp. 14 no. 2:9-10 F '63.

UKRAINE—FARM MECHANIZATION—STUDY AND TEACHING

How to organize mass education in farm mechanization. Mekh. sil'. hosp. 14 no. 1:insert Ja '63.

UKRAINE—FEED GRINDERS

How to reconstruct the grinder IIK-30. V. I. Moroz. Mekh. sil'. hosp. 14 no. 1:21-23 Ja '63.

UKRAINE—FEEDS

Problems in developing mixed feed production further. V. Nestorenko, A. Pavliuchenkov, II. Podzolov. Ekon. Rad. Ukr. no. 2:39-45 Mr-Apr '63.

UKRAINE—FERTILIZER INDUSTRY

"Foxtails" will disappear. S. Hanz. Nauka i zhyttia 12 no. 2:10 F '63.

UKRAINE—FIELD CROPS

Tuleney, M. O. [Growing potatoes, vegetables and forage crops on drained swamps in the Ukraine] Vyroshchuvannya kartopl, ovochovykh ta kormovykh kul'tur na osushenykh bolotakh URSR. Kyiv, Vyd-vo Akad. nauk URSR, 1953, 71 p. (DNAL)

UKRAINE—FIRES AND FIRE PREVENTION—RESEARCH

Contribution to a nationwide task. V. Tochilkin. Pozh. delo 9 no. 4:27 Ap '63.

UKRAINE—FOLKLORE—PERIODICALS

Readers are talking about this periodical. Nar. tvorch. ta est. 6 no. 4:147-150 O-D '62.

UKRAINE—FOLKLORE AND CHILDREN

Children's folklore is a very important means in the work and aesthetic training of small children. V. II. Bolko. Nar. tvorch. ta est. 6 no. 4:123-131 O-D '62.

UKRAINE—FOOD INDUSTRY

Basic trends in the overall mechanization and automation of the food industry in the Ukraine. Khar. prom. no. 1:3-5 Ja-Mr '63.

UKRAINE—FOREIGN RELATIONS

"Imperialist policy of the Entente and the U.S.A. toward the Ukraine in 1919" by R. G. Simonenko. Reviewed by A. Kudina, E. Skliarenko. Komm. Ukr. 38 no. 3:92-95 Mr '63.

The Ukraine on the international stage. L. Palamarchuk. Komm. Ukr. 38 no. 3:44-53 Mr '63.

UKRAINE—FOREST INSECTS—EXTERMINATION

Polychloroprene and chlorophos in controlling forest pests. D. F. Rudnev, N. E. Kononova. Zashch. rast. ot vred. i bol. 6 no. 6:35 Ja '61.

UKRAINE—FUNGI, PHYTOPATHOGENIC

Materials on the fungous flora of trees and shrubs in the city parks of the southern Ukraine. E. Z. Koval', N. F. Karmol'ova, Z. II. Lavits'ka. Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:5-11 '58.

UKRAINE—FURNITURE INDUSTRY

You can see only the pictures of this furniture. S. Iukhy-menko. Ukraina no. 7:29 Ap '63.

UKRAINE—GAMMARIDAE

Materials on the fertility of Gammarus (Rivulogammarus) pulex L. in bodies of water of the Ukraine. A. M. Abramova. Visnyk Kyiv. un. no. 1. Ser. biol. no. 2:147-150 '58.

UKRAINE—GAS, NATURAL

Increase the use of coke oven gas, natural gases and coke by-products in the production of synthetic materials. M. Zel'man. Ekon. Rad. Ukr. no. 2:22-25 Mr-Apr '63.

UKRAINE—GEOLOGY

Joint session of the Council of Geological Testimony of the Ministry of Geology and Conservation of Mineral Resources of the U.S.S.R. and the Main Geological-Prospecting Administration of the Ukrainian S.S.R. A. M. Palil. Geol. zhur. 23 no. 1:100-113 '63.

Second Conference of the Young Geologists of the Ukraine, April 17-22, 1962. B. Kh. Kevork'yan, V. I. Orsa, S. S. Krasovskii. Geol. zhur. 23 no. 1:113-116 '63.

UKRAINE—GERMAN OCCUPATION, 1941-1943

Marunchak, M. G. [System of Nazi concentration camps and the policy of extermination in the Ukraine] Sistoma nymets'kykh kontsentratsionnykh i polityka vynyashchuvannya v y Ukraini. Winnipeg, Zahal'na biblioteka "YKT," 1963, 87 p.

UKRAINE—GOOSEBERRIES—DISEASES AND PESTS

Effective method for controlling Sphaerotheca infection and gooseberry aphids. A. S. Matviievskii, I. A. Mikolaichuk. Zashch. rast. ot vred. i bol. 6 no. 6:38-39 Ja '61.

UKRAINE—HISTORICAL RESEARCH

Defense of dissertations for the degree of Candidate of Historical Science. M. K., L. M. Ukr. ist. zhur. 6 no. 2:158-162 Mr-Apr '63.

Toward new achievements of Ukrainian historians. O. K. Kasymenko. Ukr. ist. zhur. 6 no. 2:13-23 Mr-Apr '63.

UKRAINE—HISTORY

Bzhes'kyl, Roman. [Outline history of the Ukrainian liberation movements from 1917 to 1922; events about which history has remained silent] Narysy z istorii ukrains'kykh vyzvol'nykh zmahann' 1917-1922 rr; pro shcho "istoria movchit". [Detroit, 1961, 381 p. (Publ. under his pseud. R. Mlynovets'kyl)]

(InU)

Chalenko, R. K. [Realization of the eternal dream of the Ukrainian people] Zditseennia vkovichnoi mrti ukrains'koho narodu. [Kyiv] Vyd-vo Kyivs'koho univ., 1960, 264 p.

(CU)

History of Ukrainian relations with Russia and Poland, 1600-1665. L. V. Olinyk. Ukr. ist. zhur. 6 no. 2:52-65 Mr-Apr '63.

Preparation of the "History of Soviet Ukrainian cities and villages." P. T. Tron'ko. Ukr. ist. zhur. 6 no. 2:24-30 Mr-Apr '63.

Ukrainian home guards in 1912. B. S. Abalkhin. Ist. zap. no. 72:87-118 '62.

UKRAINE—HYDRAULIC MINING

Sublevel hydraulic breaking in the "Yanovskiy" hydraulic mine. A. I. Baravlev and others. Ugol' Ukr. 7 no. 4:5-7 Ap '63.

UKRAINE—INDUSTRIAL MANAGEMENT

Economic analysis is the means for uncovering production potentials. I. Ishchenko. Ekon. Rad. Ukr. no. 2:111-113 Mr-Apr '63.

"Scouts" of the Soviet people. I. S. Hrushets'kyl. Ukraina no. 7:8 Ap '63.

UKRAINE—INDUSTRIAL ORGANIZATION

The work of Kharkov Province Industrial Committee of the Communist Party of the Ukraine for the execution of the November, 1962 resolution of the Plenum of the Central Committee of the CPSU on the further development of specialization in industry. Part. zhizn' no. 9: 28-29 Ap '63.

UKRAINE—INDUSTRIES

Improving the planning of the national economy. P. Rozenko. Komm. Ukr. 38 no. 3:9-17 Mr '63.

New developments in our economic regions. Ukraina no. 5:10-17 Mr '63.

UKRAINE—IRON INDUSTRY—LABOR PRODUCTIVITY

Katson, L. G., M. R. Luk'ianov, and S. S. Aplekar'. [Labor productivity in ferrous metallurgy in the Ukrainian S.S.R.] Proizvoditel'nost' truda v chernoi metallurgii USSR, Kiev, Gostekhnizdat USSR, 1963, 218 p.

UKRAINE—IRRIGATION LAWS

Codification of irrigation laws and the protection of water resources in the Ukrainian S.S.R. V. Muntian. Rad. pravo no. 3:101-107 My-Je '62.

UKRAINE—JUSTICE, ADMINISTRATION OF

In the Ministry of Justice of the Ukrainian S.S.R. Rad. pravo no. 2:150 Mr-Apr '63.

UKRAINE—JUVENILE DELINQUENCY

We should eliminate juvenile delinquency. Sois. zakon. 39 no. 7:74-76 JI '62.

UKRAINE—LABOR LAWS AND LEGISLATION

Problem of the codification of labor laws. K. Shkalenkova. Rad. pravo no. 1:93-96 [Ja-F] '60.

UKRAINE—LAW

"History of the state and law of the Ukrainian S.S.R., 1917-1960." Reviewed by V. Kalynovych, V. Kul'chyts'kyl. Rad. pravo no. 2:143-147 Mr-Apr '63.

Recent legislative enactments. Rad. pravo no. 2:141-142 Mr-Apr '63.

Recent legislative enactments. Rad. pravo no. 2:155-156 Mr-Apr '63.

Recent legislative enactments. Rad. pravo no. 3:144-147 My-Je '62.

UKRAINE—LAW—BIBLIOGRAPHY

Legal studies published in the Ukraine in 1955-1957. Rad. pravo no. 1:154-158 [Ja-F] '58.

UKRAINE—LAW—CASES

Decisions of the Supreme Court of the Ukrainian S.S.R. Rad. pravo no. 1:128-134 [Ja-F] '58.

Decisions of the Supreme Court of the Ukrainian S.S.R. Rad. pravo no. 2:132-137 Mr-Apr '63.

Decisions of the Supreme Court of the Ukrainian S.S.R. Rad. pravo no. 2:143-149 Mr-Apr '63.

Decisions of the Supreme Court of the Ukrainian S.S.R. Rad. pravo no. 3:137-143 My-Je '62.

UKRAINE—LAW—STUDY AND TEACHING

In the Ministry of Justice of the Ukrainian S.S.R. Rad. pravo no. 1:146-147 [Ja-F] '58.

UKRAINE—LAW SCHOOLS

Present-day conditions of higher legal education in the Ukrainian S.S.R. P. Zavorot'ko, D. Suslo. Rad. pravo no. 2:99-104 Mr-Apr '63.

UKRAINE—LEATHER RESEARCH

Ukrainian Scientific and Technical Conference of the Representatives of the Leather Industry. Leb. prom. no. 1:92 Ja-Mr '63.

UKRAINE—LEGAL RESEARCH

Development of Soviet Ukrainian jurisprudence from 1918 to 1958. S. Makohon. Rad. pravo no. 1:19-27 [Ja-F] '58.

In the institutes of legal research and law schools of the Ukrainian S.S.R. Rad. pravo no. 1:148-152 [Ja-F] '58.

UKRAINE—LOCAL GOVERNMENT

Karan'flov, P. I. [Always with the masses] Zavzhdy z masamy. [Odesa] Odes'ke obl. vyd-vo, 1959, 29 p. (ML-L)

Mozdyr, S. M., and K. IE. Fedoniuk. [Mass organization activities of local soviets of workers' deputies in the Ukraine] Organizatsiino-masova diial'nist' mistsevykh rad deputativ trudiaschchykh Ukrainy'koi RSR. [Lviv] Vyd-vo L'vivskoho univ., 1961, 153 p. (MH)

UKRAINE—MACHINERY INDUSTRY

Utilizing and increasing capacity in machinery manufacturing. M. Rodychev. Ekon. Rad. Ukr. no. 2:34-38 Mr-Apr '63.

UKRAINE—MARRIAGE LAW

"History of the family and marriage law of the Ukrainian S.S.R." by G. K. Matveev. Reviewed by M. Topol'nits'kyl. Rad. pravo no. 3:151-153 My-Je '62.

UKRAINE—MEDICAL LIBRARIES

Promotion of library and bibliographical knowledge by Ukrainian medical libraries. P. E. Kolonets. Sov. biol. no. 1:26-31 '63.

UKRAINE—MILDEW

Effective method for controlling Sphaerotheca infection and gooseberry aphids. A. S. Matviievskii, I. A. Mikolaichuk. Zashch. rast. ot vred. i bol. 6 no. 6:38-39 Ja '61.

UKRAINE—MINE HAULAGE

Determining the weight characteristics of continuous mine transportation equipment and efficient mine parameters in using it. V. P. Aksekov. Sbor. trud. MESI no. 30:285-287 '61.

UKRAINE—MINES AND MINERAL RESOURCES

Metallurgy and mining in the Soviet Ukraine in the fifth year of the seven-year plan. Met. i gornod. prom. no. 1:3-5 Ja-F '63.

UKRAINE—MOSAICS

Masters in mosaic. S. Muzychenko. Nar. tvorch. ta est. 6 no. 4:145-146 O-D '62.

UKRAINE—MOTOR VEHICLES—MAINTENANCE AND REPAIR

For a smooth run of collective farm motor vehicles. R. K. Shmidt. Mekh. sil'. hosp. 14 no. 2:31 F '63.

UKRAINE—MOTORTRUCKS

Highly efficient use of trucks in winter. A. A. Strilkov's'kyl. Mekh. sil'. hosp. 14 no. 1:25-27 Ja '63.

UKRAINE—MOTORTRUCKS—DESIGN AND CONSTRUCTION

Prospective development of motortruck manufacture. IA. I. Neovita'kyl. Mekh. sil'. hosp. 14 no. 1:5-8 Ja '63.

UKRAINE—NAMES, GEOGRAPHICAL

History of names. I. O. Hurzhil and others. Nauka i zhyttia 12 no. 2:33 F '63.

UKRAINE—NATIONAL PARKS AND RESERVES

"In the preserves of the Ukraine." Reviewed by N. I. Burchak-Abramovich. Okhr. priir. i zapov. delo v SSSR no. 7:149-151 '62.

UKRAINE—NATIONALISM

Lapchak, Toma. [Ukrainian nationalism; a criticism and a defense] Ukrain's'kyl natsionalizm; krytyka i oborona. New York, Vyd-vo Kluchik [1962], 144 p. (Zhyttia i mysl, no. 6) (InU)

UKRAINE—NOTARIES

New regulations governing the work of notarial agencies of the Ukrainian S.S.R. D. Chorpita. Rad. pravo no. 1:111-116 [Ja-F] '58.

UKRAINE—NURSERY STOCK—DISEASES AND PESTS

Crown gall as a dangerous disease in nurseries. Isaeva. Zashch. rast. ot vred. i bol. 6 no. 1:1:12 N. V. '61.

UKRAINE—PARACHUTING

At gatherings, G. Golik, Kryl, rod, 14 no. 2:18 F '63.
Competition of rural sportsmen, V. Sobko, Kryl, rod, 14 no. 2:10 F '63.

UKRAINE—PINE

Duration of the effect of deep plowing on the growth of pine stands, M. M. Drulchenko, Les, khoz, 16 no. 1: 41-43 Ja '63.

UKRAINE—PLANT INTRODUCTION

Karashev, G. M., ["Askaniya-Nova" Botanical Park] Botanicheskii park "Askaniya-Nova"; itogi rabot, Kiev, Gosmel'khozizdat USSR, 1962, 200 p.
Representatives of the tree flora of the Caucasus in the Ukraine, IE, Sh, Bilorusets', Vianyky Kyiv, un, no. 3, Ser, biol, no. 1:13-22 '60.

UKRAINE—PLANT LICE—EXTERMINATION

Effective method for controlling Sphaerotheca infection and gooseberry aphids, A. S. Matviyevskii, I. A. Mikolichuk, Zashch, rast, ot vred. i bol, 8 no. 6:36-39 Ja '61.

UKRAINE—PLANTS, PROTECTION OF

Rare, endemic, and disappearing plant species in the Ukrainian S. S. R. and the necessity for their protection, M. I. Kotov, Okhr. priro, i zapov, delo v SSSR, no. 7:50-53 '62.

UKRAINE—POLITICS AND GOVERNMENT

The 40th anniversary of the Soviet Ukrainian state, Rad, pravo, no. 1:3-11 [Ja-F] '56.

How the local branches of the Central Control Committee (the Workers' and Peasants' Inspection) of the Ukrainian S. S. R. organized the public inspection of governmental agencies and industrial enterprises, 1926-1929, V. S. Trishchenko, Ukr, ist, zhur, 6 no. 2:85-91 Mr-Apr '63.

Kosach, Iurii, [From feudalism to neofascism; essays] Vid feodalizmu do neofashizmu; narysy, New York, [Vyd-vo Za synim okeanom] 1962, 95 p. (MIL)

"Scouts" of the Soviet people, I. S. Hruschols'kyi, Ukraina no. 7:8 Ap '63.
"The voice of my heart" by Iurii Mal'nychuk, Reviewed by Mykola Havliuk, Ukraina no. 5:23 Mr '63.

UKRAINE—POLITICS AND GOVERNMENT—BIBLIOGRAPHY

Useful and helpful publications; a review of the booklets and information bulletins of province executive committees, R. Bernheda, Rad, pravo, no. 1:135-138 [Ja-F] '50.

UKRAINE—PRODUCE TRADE

On the further development and improvement of collective farm trade, A. Zhurav'ov, Ekon, Rad, Ukr, no. 2: 107-110 Mr-Apr '63.

UKRAINE—PROSPECTING

Results of prospecting operations carried out by the Main Geological-Prospecting Administration of the Ukrainian S. S. R. in 1962, V. S. Popov, Geol, zhur, 23 no. 1:10-16 '63.

UKRAINE—PUBLIC HEALTH

"Data on the history of hygiene and sanitation in the Ukraine," Reviewed by G. Kh. Shakhbazian, T. M. Trekhlenberg, Vrach, delo, no. 3:153-155 Mr '63.
Results of five years' work of the cardio-rheumatological service in the Ukrainian S. S. R., K. M. Sherstnev, Vrach, delo, no. 3:122-124 Mr '63.

UKRAINE—PUBLIC PROSECUTORS

In the Office of the Public Prosecutor of the Ukrainian S. S. R., Rad, pravo, no. 1:147-148 [Ja-F] '63.
Work of Soviet public prosecutors should contribute to the solution of present-day problems, D. Panasuk, Rad, pravo, no. 1:33-38 [Ja-F] '60.

UKRAINE—RAILROADS

History of the development of railroad transportation in the Ukraine, S. Kul'chyts'kyi, Ekon, Rad, Ukr, no. 2: 102-106 Mr-Apr '63.

UKRAINE—RECONSTRUCTION

Butsko, N. A., [The Communist Party as the organizer of nation-wide assistance to Soviet Ukraine in the reconstruction of its economy during the years of the Great Patriotic War] Kommunisticheskii partiiia - organizator vsenarodnoi pomoshchi Sovetskoi Ukraine v voenostanovlenii narodnogo khoziaistva v gody Velikoi Otechestvennoi volny, [Kiev] Izd-vo Kievskogo univ., 1962, 177 p.

UKRAINE—RELATIONS (GENERAL) WITH POLAND

"Cooperation between the Ukrainian S. S. R. and the Polish People's Republic" by I. F. Evseev, Reviewed by P. Kostenko, Ukraina no. 4:8 F '63.

In Lublin University, Rad, pravo, no. 1:152 [Ja-F] '50.

UKRAINE—REVOLUTION, 1917-1921

The 46th anniversary of the organization of the "Red Cossack" units, P. D. Pavlenko, Ukr, ist, zhur, 6 no. 2:100-106 Mr-Apr '63.

How the "Red Cossacks" fought for the Soviet regime in the Ukraine, P. D. Hur'ianov, Ukr, ist, zhur, 6 no. 2: 91-97 Mr-Apr '63.

How the Soviet regime won the allegiance of the middle-class peasants of the Ukraine, late 1918-early 1919, I. K. Rybalka, Ukr, ist, zhur, 6 no. 2:31-41 Mr-Apr '63.

Lenin's'kyi komunistychnyi aglut molodi Ukrainy, Khar'kovskii oblastnoi komitet, [Formation and activities of the Communist Youth League in Kharkov Province, 1917-1920; documents and materials] Obrazovanie i deiatel'nost' komunisticheskoi organizatsii Khar'kovshchiny, 1917-1920; dokumenty i materialy, [Khar'kov] Khar'kovskoe knizhnoe izd-vo, 1961, 420 p. (CST-II)

UKRAINE—RHEUMATIC FEVER

Results of antirheumatic drug treatment in preventing rheumatic relapses [with summary in English], M. A. Iatsnovskii, Vop, revm, 1 no. 2:55-61 Ap-Je '61.

UKRAINE—RHEUMATIC HEART DISEASE

Results of five years' work of the cardio-rheumatological service in the Ukrainian S. S. R., K. M. Sherstnev, Vrach, delo, no. 3:122-124 Mr '63.

UKRAINE—ROAD CONSTRUCTION

The obligation undertaken by Ukrainian road builders is practicable, I. I. Bratchenko, Avt, dor, 26 no. 2:1-2 F '63.

UKRAINE—ROADS—MAINTENANCE AND REPAIR

The Omanski Road Section has earned a high rank, O. Enyakh, Avt, dor, 26 no. 4:4-8 Ap '63.

UKRAINE—ROADSIDE IMPROVEMENT

Plantings along roads in the Ukraine, G. Cherednichenko, Avt, dor, 26 no. 2:14-15 F '63.

UKRAINE—RUSSIAN PERIODICALS

Russian periodicals "Mysl'" and "Prosveshchenie" and their distribution in the Ukraine, H. A. Lushchenko, Ukr, ist, zhur, 6 no. 2:42-51 Mr-Apr '63.

UKRAINE—SOCIAL GROUP WORK

"Rapid cultural development of rural regions, how Ukrainian collective farmers have raised their cultural level and technical qualifications during the large-scale building of communism" by V. S. Petrenko, Reviewed by A. Santsevich, Komm, Ukr, 39 no. 4:82-95 Ap '63.

UKRAINE—SOIL CONSERVATION

Khar'kov, Ukrainskii nauchno-issledovatel'skii institut pochyvedeniia, [Erosion control and increasing the fertility of eroded soils in the Ukraine; materials of a republic-wide conference] Bor'ba s eroziiei i povyshe-nie plodorodiiia erodirovannykh pochv Ukrainy; materialy Respublikanskogo soveshchaniia, Kiev, Izd-vo Ukrainskoi akad. selkhoz. nauk, 1962, 323 p. (DNAL)

UKRAINE—SPRAYING AND DUSTING EQUIPMENT

Approved for manufacture, Mekh, sil', hosp, 14 no. 1: 4-5, 10-11, 20, 23 Ja '63.

UKRAINE—STATISTICS

"National economy of the Ukrainian S. S. R. in 1961," Reviewed by V. Stetsiura, Ekon, Rad, Ukr, no. 2:115-117 Mr-Apr '63.

Results of the national economic development of the Ukrainian S. S. R. for 1962, Ekon, Rad, Ukr, no. 2: 110-128 Mr-Apr '63.

UKRAINE—STEEL INDUSTRY—MANAGEMENT

"Progressive work methods and their efficiency in ferrous metallurgy," edited by M. M. Seredenka, Reviewed by M. Horbalyuk, M. Kuznetsov, Ekon, Rad, Ukr, no. 2:117-118 Mr-Apr '63.

UKRAINE—STOCK AND STOCKBREEDING

Employ extra income for developing stockbreeding, B. I. A. Panasuk, Uchoi i fin. v kol'khoz, i sovkhov, 20 no. 3: 32 Mr '63.

UKRAINE—SUGAR BEETS

Ushakov, O. F., and S. I. Kliavir, [Over-all mechanization of growing sugar beets] Kompleksna mekhanizatsiia v burliaktivnyi, 2., perer., i dop, vyd, Kyiv, Derzhail'hospvydav URSR, 1962, 220 p. (DNAL)

UKRAINE—TEACHERS

Enthusiasts, O. Frolova, Doashk, vykh, 24 no. 3:16-18 Mr '63.

UKRAINE—TECHNOLOGICAL INNOVATIONS

Toward new technological achievements, V. P. Vasil'ev, NTO 5 no. 3:2-4 Mr '63.

UKRAINE—TEXTILE RESEARCH

Ukrainian Scientific and Technical Conference of the representatives of textile and knit goods industries, Lek, prom, no. 1:91-92 Ja-Mr '63.

UKRAINE—THEATER

Buchma Amvrosii, [From the depth of the soul; articles and reminiscences] Z hlybny duhi; statii i spohady, Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, 1959, 180 p. (WAL)

UKRAINE—TRACTORS

Approved for manufacture, Mekh, sil', hosp, 14 no. 1: 4-5, 10-11, 20, 23 Ja '63.

UKRAINE—TRACTORS—DESIGN AND CONSTRUCTION

Basic trends in the development of tractor design, O. P. Iaremchuk, Mekh, sil', hosp, 14 no. 1:3-5 Ja '63.

UKRAINE—TRACTORS—MAINTENANCE AND REPAIR

Are wholesale prices needed in major repairs? I. S. Derevets', Mekh, sil', hosp, 14 no. 2:20-22 F '63.

Order of checking in for repair and receiving repaired tractors, I. Sidlets'kyi, Mekh, sil', hosp, 14 no. 1: 30-31 Ja '63.

A penny saved is a penny earned, S. S. Ponomarenko, Mekh, sil', hosp, 14 no. 1:8-10 Ja '63.

We are repairing tractors without the help of collective farm mechanizers, O. I. Zhukov, Mekh, sil', hosp, 14 no. 1:11-13 Ja '63.

UKRAINE—TRANSPORTER BRIDGES

Flowsheets and new equipment for coal and ore pits in the Ukraine, M. M. Zherbin, Sbor, trud, MSI no. 39: 360-368 '61.

UKRAINE—TREES

Representatives of the tree flora of the Caucasus in the Ukraine, IE, Sh, Bilorusets', Vianyky Kyiv, un, no. 3, Ser, biol, no. 1:13-22 '60.

UKRAINE—VIEWS

Photographic mosaic, Ukraina no. 7:4-5 Ap '63.
[Through the Soviet Ukraine; photo report] Po rad, Ukr, no. 3 '63.

UKRAINE—VILLAGES

Each town began as a village, Volodymyr Vashchenko, Ukraina no. 7:11 Ap '63.

UKRAINE—WHEAT—WATER REQUIREMENTS

Characteristics of the water balance of winter wheat, D. F. Protchenko, I. G. Shmatko, Bot, zhur, 48 no. 2: 211-215 F '63.

UKRAINE—WILDLIFE, CONSERVATION OF

Parkhomenko, V. V., [Animal and bird protection in the Ukraine] Okhrona zviriv i ptakhy na Ukraini, Kyiv, Derzh. vyd-vo sil'sk'khopodars'koi lit-ry URSR, 1962, 97 p. (DNAL)

Unity of science and practice, A. P. Fedorenko, Priroda 52 no. 3:69 '63.

UKRAINE—WOODY PLANTS—DISEASES AND PESTS

Materials on the fungous flora of trees and shrubs in the city parks of the southern Ukraine, E. Z. Koval', N. F. Karmel'tova, Z. H. Lavits'ka, Vianyky Kyiv, un, no. 1, Ser, biol, no. 2:6-11 '53.

UKRAINE—WORLD WAR, 1939-1945

Military operations of the Soviet Armed Forces and guerrilla units against the occupation forces of German fascists, March-April, 1943, O. V. Moiseev, Ukr, ist, zhur, 6 no. 2:123-125 Mr-Apr '63.

UKRAINE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Lushchenko, M. D., [Political propaganda of Ukrainian Communists during the occupation of the Ukraine by German fascists] Agitatsiia i propaganda komunistiv Ukrainy v umovakh niemets'ko-fashists'koi okupatsii, [Kyiv] Vyd-vo Kyivs'koho univ., 1962, 173 p.

UKRAINE—YOUTH

Youth of the Soviet republics, R. A. Zybenko, Mat. i scob, Isst, old, Inst. po izuch, SSSR, no. 38/39:131-134 O-N '62.

Youth in the Soviet Ukraine, E. A. Glavinskii, Mat. i scob, Isst, old, Inst. po izuch, SSSR, no. 38/39:127-130 '62.

UKRAINE, WESTERN—COLLECTIVE FARMS

"Studies on the organization of collective farms in the western provinces of the Ukrainian S. S. R.," by M. K. Ivasiuta, Reviewed by IE, M. Halushko, V. I. Iurchuk, Ukr, ist, zhur, 6 no. 2:146-148 Mr-Apr '63.

UKRAINE, WESTERN—SCIADOPITYS, FOSSIL

New species of Sciadopitys from Jurassic sediments in the Western Ukraine, M. P. Dofudenko, Paleont, zhur, no. 1:123-126 '63.

UKRAINE, WESTERN—UKRAINIAN LANGUAGE—DIALECTS

Names for the woodpecker in the western dialects of the Ukrainian language, IA, V. Zakrevs'ka, Dosl. i mat, z ukr, movy 3:66-72 '60.

UKRAINIAN ACTORS see Actors, Ukrainian

UKRAINIAN ESSAYS

Hurjad, Myroslava, [Features of the present; notes for essays and essays] Rysy suchasnosti; notatky pro narysy i narysiv, Kyiv, Derzhlitvydav, 1962, 132 p. (MH)

UKRAINIAN FOLKLORE see Folklore, Ukrainian

UKRAINIAN LANGUAGE—CASE

Declension of neuter nouns in Ukrainian literary monuments of the 16th century, I. M. Karpyts'kyi, Dosl. i mat, z ukr, movy 3:73-92 '60.

UKRAINIAN LANGUAGE—DIALECTS see subdivision under Drogobych District; Tyachiv District; Ukraine, Western

UKRAINIAN LANGUAGE—DICTIONARIES—RUSSIAN
Akademii nauk USSR, Kiev, Instytut movoznavstva, [Ukrainian-Russian dictionary] Ukrainsko-russkii slovar', Glav. red. I. N. Kirichenko, Chleny red. kollegii: S. F. Levchenko i dr., Red. tomat: S. F. Levchenko, L. S. Palamarchuk, L. G. Skripnik, Kiev, Izd-vo Akad. nauk USSR, Vol. 6, R - S, 1962, 591 p.

UKRAINIAN LANGUAGE—FOREIGN WORDS AND PHRASES—HUNGARIAN
The most significant phonetic and morphologic characteristics of Hungarian loan words in the Ukrainian "ukrainischti" dialect of Tyachiv District in Transcarpathia, A. A. Mekan', Uch. zap. LGU no. 314:60-74 '62.

UKRAINIAN LANGUAGE—FOREIGN WORDS AND PHRASES—POLISH
Polish words in the language of Ukrainian documents at the end of the 16th and the beginning of the 17th century, M. L. Khudash, Dosl. i mat. z ukr. movy 3:121-139 '60.

UKRAINIAN LANGUAGE—LEXICOGRAPHY
Moskalenko, A. A. [Outline history of Ukrainian lexicography] Narys istorii ukrains'koj leksykografii, Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1961, 161 p.

UKRAINIAN LANGUAGE—NUMERALS
Studies on the substantiation of numerals in Ukrainian, D. H. Hrynychshyn, Dosl. i mat. z ukr. movy 3:27-36 '60.

UKRAINIAN LANGUAGE—PREPOSITIONS
Primary prepositions and their syntactic functions in Ukrainian documents of the 14th and 15th century, L. L. Humets'ka, Dosl. i mat. z ukr. movy 3:37-51 '60.

UKRAINIAN LANGUAGE—STUDY AND TEACHING
Kiev, Naukovo-doslidnyi instytut pedagogiky, [Methodology of teaching the Ukrainian language in secondary schools] Metodika vykladannia ukrains'koj movy v serednii shkoli, Za red. S. Kh. Chavdarova i V. I. Masal'skoho, Kyiv, Radians'ka shkola, 1962, 371 p.

UKRAINIAN LANGUAGE—STYLE
"Protocol book of the Bishop of Mukachevo," a monument of the Ukrainian literary language in Transcarpathia from the second half of the 18th century, U. I. A. Iedlins'ka, Dosl. i mat. z ukr. movy 3:62-67 '60.

UKRAINIAN LANGUAGE—SYNTAX
Means of connecting the participial phrase with the main clause, L. M. Kots', Dosl. i mat. z ukr. movy 3:93-105 '60.

UKRAINIAN LANGUAGE—TERMS AND PHRASES
The "biography" of words, S. Karavans'kyi, Ukraina no. 6:23 Mr '63.
The terminology of court records, A. Poteshko, Rad. pravo no. 3:122-127 My-Je '62.

UKRAINIAN LANGUAGE—VERB
Studies of some verbal synonyms employed by Ivan Franko in his poetic works, L. M. Polkova, Dosl. i mat. z ukr. movy 3:106-120 '60.

UKRAINIAN LITERATURE—HISTORY AND CRITICISM
Bilets'kyi, O. I., and others, [Ukrainian literature] Ukrains'ka literatura; pidruchnyk dlia 9 klasu serednoi shkoly, Za zahal'noiu red. O. I. Bilets'koho, Vyd. 16, Kyiv, Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1962, 278 p.

UKRAINIAN LITERATURE—STUDY AND TEACHING
Morenets', P. H. [Studying Soviet Ukrainian literature in the eight-year school] Vyvechenia ukrains'koj radians'koj literatury u vos'myrichnii shkoli; metodichniy posibnyk, Kyiv, Radians'ka shkola, 1962, 163 p.

UKRAINIAN LITERATURE—TRANSLATIONS INTO SLOVAK
Slovak translation of an Ukrainian ballad at the end of the first half of the 18th century, K. I. U. Danylo, Irena Subota, Ner. tvorcha ta cin. 6 no. 4:104-108 O-D '62.

UKRAINIAN MANUSCRIPTS see Manuscripts, Ukrainian

UKRAINIAN OPERA see Opera, Ukrainian

UKRAINIAN PAINTERS see Painters, Ukrainian

UKRAINIAN SATIRE see Satire, Ukrainian

UKRAINIAN TALES see Tales, Ukrainian

UKRAINIANS see subdivision under Cuba; United States

ULAN BATOR—BAKERIES

Ulan Bator bread factory, L. Enkhe, Sovr. Mong. 7 no. 12:13 D '62.

ULAN BATOR—CITY PLANNING

Our capital will be even more beautiful, Sovr. Mong. 7 no. 12:30 D '62.

ULAN BATOR—COAL MINES AND MINING

In a "boiler room" of the capital, Sovr. Mong. 7 no. 12:1-3 D '62.

ULAN BATOR—MEAT INDUSTRY

Giant of the food industry, Sovr. Mong. 7 no. 12:27 D '62.

ULAN-UDE—MAGPIES

Azure-winged magpies in the Buryat Fruit and Berry Experiment Station, M. A. Prokofiev, Ornithologia no. 4: 333-335 '62.

ULCERS

Changes of microflora in trophic ulcers under the influence of acid solutions, T. A. Konopikhina, Sov. med. 26 no. 1:56-60 Ja '63.

UL'YANOVA, MARIA IL'ICHNA, 1876-1937

Beloved sister of our D'kch, M. Uladzimirava, Rab. i stal. 38 no. 2:10 F '63.

ULTRABASITE see subdivision under Dnieper Valley

ULTRASONIC TESTING

Techniques of ultrasonic testing of the hard facing of bore bit rollers, A. I. A. Shvarts, I. G. Sokolinskaya, Avtom. svar. 16 no. 3:84-86 Mr '63.

Ultrasonic methods for investigating the fatigue of materials, E. N. Kapustianskii, Trudy Kras. SKH 3 no. 1:301-310 '59.

Ultrasonic testing of uncleaned surfaces of R18 steel, B. A. Pribylovskii, L. A. Rabinakina, L. I. Betker, Stal' 23 no. 4:364 Ap '63.

ULTRASONIC TESTING—CONGRESSES

Conference on ultrasonic flaw detection, A. K. Gurevich, L. I. Kuz'mina, Avtom. svar. 16 no. 3:84-85 Mr '63.

ULTRASONIC WAVES

Depolarizing effect of ultrasound as dependent on the pH of the solution, A. I. Riazanov, B. B. Kudriavtsev, Prim. ul'trakust. k issl. veshch. no. 16:13-24 '62.

Directionally diagrams of radiators of Lamb and Rayleigh waves, I. A. Viktorov, O. M. Zubova, Akust. zhur. 9 no. 2:171-175 '63.

Effect of ultrasonic frequency on the composition of the dispersed phase of an emulsion at the moment of emulsification, S. A. Neduzhil, Akust. zhur. 9 no. 2:241-243 '63.

Effect of ultrasound on the potential of cathodic hydrogen evolution on activated smooth platinum, F. I. Kukoz, Prim. ul'trakust. k issl. veshch. no. 16:47-60 '62.

Efficiency of ultrasonic concentrators, I. I. Tomin, Akust. zhur. 9 no. 2:205-208 '63.

Impulse ultrasonic generator, V. V. Burilakov, Trudy Ural. issled. inst. no. 17:68-70 '60.

Kinetics of ultrasonic fog formation, O. K. Eknadlosants, Akust. zhur. 9 no. 2:247-248 '63.

Method for measuring ultrasonic stresses in transparent bodies, V. F. Kazantsev, Akust. zhur. 9 no. 2:230-238 '63.

The nonlinearity relation in gases and liquids, A. I. Kalachev, Akust. zhur. 9 no. 2:187-191 '63.

Propagation of ultrasonic surface waves at the boundary between a solid body and a liquid, I. A. Viktorov, E. K. Grishchenko, T. M. Kaekina, Akust. zhur. 9 no. 2:182-170 '63.

Scattering field of a spherical source above a plane layer containing discrete inhomogeneities, V. P. Glotov, IU, P. Lysanov, Akust. zhur. 9 no. 2:176-181 '63.

Spectral characteristics of the genesis of ultrasonic cavitation in water, V. A. Akulichev, V. I. Il'ichev, Akust. zhur. 9 no. 2:188-191 '63.

Ultrasound absorption in the melting region of polycrystalline paraffin, N. I. Kosikhin, D. V. Sholomut, Prim. ul'trakust. k issl. veshch. no. 16:97-99 '62.

Use of the optical method in measuring the absorption of ultrasonic waves by superheated saturated hydrocarbons, O. N. Guseva, V. F. Nozdrev, Prim. ul'trakust. k issl. veshch. no. 16:89-92 '62.

Use of ultrasonics in determining the extent and degree of fracture of rocks, A. A. Korabely, Nauch. soob. IGD 11:110-117 '61.

ULTRASONIC WAVES—EXPERIMENTS

Experiments on ultrasonics with magnetostrictive emitters, V. I. Solomkin, Fiz. v shkole 23 no. 1:45-47 Ja-F '63.

ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Degree of rarefaction in the zone of ultrasonic cutting, G. M. Borun, Z. I. Poljakov, Akust. zhur. 9 no. 2:231-232 '63.

Demonstrating the use of ultrasonics, N. M. Markosova, Fiz. v shkole 23 no. 1:42-45 Ja-F '63.

Effect of ultrasonic vibrations on the anodic dissolution of bismuth in hydrochloric acid solutions, A. I. Riazanov, G. D. Chigrinova, Prim. ul'trakust. k issl. veshch. no. 16:39-46 '62.

Effect of ultrasonic waves on the microflora in the process of grape juice production, G. N. Gasiuk, L. M. Tsvetkova, Trudy MNIPP 2:76-80 '62.

Manufacture of clarified grape juice by means of a simplified technology with the application of ultrasonic waves, G. N. Gasiuk, I. P. Dul'neva, M. V. Levina, Trudy MNIPP 2:56-66 '62.

Use of ultrasonic waves in the manufacture of oil-lacquers for leather, V. I. A. Lutsuk, A. I. Mikhel' Lezh. prom. no. 1:34-35 Ja-Mr '63.

ULTRASONIC WAVES—MEASUREMENT

Apparatus for ultrasonic measurements in liquids wide range of frequencies and temperatures using single quartz plate, V. P. Akhmadza, V. I. Semir ul'trakust. k issl. veshch. no. 16:177-182 '62.

Comparative evaluation of ultrasound intensity measurements by radiometric and calorimetric analysis, Kolliarevskaya, N. P. Morozova, E. A. Maler, P. ul'trakust. k issl. veshch. no. 16:169-175 '62.

Measurement of ultrasound absorption in liquids: the stream method, K. P. Nikonov, B. B. Kudria Prim. ul'trakust. k issl. veshch. no. 16:163-169 '62.

ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of ultrasonic waves of relatively low intensity on areolar tissue, A. P. Spurnskii, L. L. Martavel Vop. kur., fizioter. i lech. fiz. kul't. 28 no. 1:60 '63.

Effect of ultrasound on the activity of depolymers brain nucleic acids [with summary in English], Babit, E. B. Skyva'kaev, Ukr. biokhim. zhur. 3 807-814 '62.

ULTRASONIC WAVES—SPEED

Anomaly of the temperature coefficient of the speed of ultrasonic waves in water, A. A. Glinakii, Prim. ul'trakust. k issl. veshch. no. 16:123-129 '62.

Propagation of ultrasonic waves in compressed air, A. A. Glinakii, Prim. ul'trakust. k issl. veshch. 131-136 '62.

ULTRASONIC WELDING—CONGRESSES

All-Union Conference on Cold and Ultrasonic Welding, S. B. Albinder, Avtom. svar. 16 no. 2:89 F '63.

ULTRASONICS

Calculability of the activity of solutions from the dynamic properties of the pure components on of ultrasonic data, A. P. Grishin, Prim. ul'trakust. k issl. veshch. no. 16:161-168 '62.

The newspaper and ultrasonics, P. Cherkashin, pech. no. 4:23-25 Ap '63.

Temperature effect on the height of liquid level capillary tubes subjected to high-frequency vibration [with summary in English], E. G. Kononov, Germanovich, Inzh.-fiz. zhur. 8 no. 3:103-1 '63.

ULTRASONICS—BIBLIOGRAPHY see Bibliography Ultrasonics

ULTRASONICS—INDUSTRIAL APPLICATIONS

Padalka, E. S. [Ultrasonics in the petroleum industry] Ul'trazvuk v nefianoi promyshlennosti, Kiev, tshchizdat USSR, 1962, 65 p.

ULTRAVIOLET RAYS

Features of using PRK-2 and EUV-15 lamps as O. P. Shelkova and others, Svetotekhnika 9 n Mr '63.

Polarographic wave and catalytic activity of chry trypsin in the presence of a substrate, inhibits DNA in the process of irradiation with ultraviolet light [with summary in English], I. D. Ivanov, E. E. Ieova, V. G. Krylova, Ukr. biokhim. zhur. 34 853-862 '62.

Polarography of trypsin in the presence of a substrate as an inhibitor during irradiation with ultraviolet light [with summary in English], I. D. Ivanov Rakhleova, V. G. Krylova, Ukr. biokhim. zhur. no. 5:878-887 '62.

ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Effect of a series of hydrocarbons and ultraviolet irradiation of the skin on the biochemical oxidation of linoleic acid, A. Z. Babayev, Sbor. trud. Azer. issl. inst. kur. i fiz. metod. lech. no. 3:28-39 '62.

Effect of ultraviolet irradiation and atropine on terol metabolism [with summary in English], Finahin, Ukr. biokhim. zhur. 34 no. 6:902-6 '62.

Experimental study of the inactivation of enteric in water by means of ultraviolet rays [with summary in English], E. L. Lovtsevich, Vop. virus. 070-675 N-D '62.

Irradiating hens with the PRK-7 mercury-quartz, E. I. Smirnova, Trudy Kras. SKH 3 no. 1:7 '62.

ULTRAVIOLET RAYS—THERAPEUTIC USE

(see also subdivision under Alma-Ata)
Once more concerning the effective (normalization) of D. Zhilov, Vop. kur., fizioter. i lech. fiz. no. 1:82-84 '63.

ULUTAUISKIY DISTRICT—COOPERATIVE SOCIETY

Embellished picture, N. Shakhmatov, Koop. 5 no. 11:80 N '62.

UL'YANOVSK—CITY PLANNING

Memorial area of Ul'yanovsk, N. Kashkadam strol. Ros. 4 no. 4:22-23 Ap '63.

UL'YANOVSK—STANDARDIZATION

Seminar on the revision and recalculation of specifications. B. I. Matlunin. Standartizatsiya 27 no. 2:53-54 p. '63.

UNDERDEVELOPED AREAS

Creative Marxism and the problems of national liberation revolutions. G. Minskii. Mir, ekon. i mezhdunar. otn. no. 2:63-68 '63.

Lenin, Asia, Africa. Abd al-Wahhab al-Bayati. Az. i Afr. seg. no. 4:1-2, 7 Ap '63.

Myrdal, Gunnar. [An international economy; problems and prospects. Translated from the English] Mirovaia ekonomika; problemy i perspektivy. Rod. iu. i. A. Ol'sovich. Moskva, Izd-vo inostr. lit-ry, 1968. 564 p. (Ru)

New "aid" program of the Federal German Republic to underdeveloped countries. I. A. Iakovlev. Mir, ekon. i mezhdunar. otn. no. 2:105-107 '63.

UNDERDEVELOPED AREAS—ECONOMIC ASSISTANCE, RUSSIAN

International day [with English summary in insert, p. 3]. V. L. L. Az. i Afr. seg. no. 4:24-28 Ap '63.

UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS

Kollontai, V. M., and I. A. Etlinger. [The "Common Market" and liberated countries] "Obshchit' rynok" i osvobodivshiesia strany. Moskva, Izd-vo vostochnoi lit-ry, 1963. 75 p.

Neocolonialism under the mask of "help"; foreign press review. Mezhdunar. zhizn' 10 no. 5:145-147 My '63.

UNDERDEVELOPED AREAS—TECHNICAL ASSISTANCE, RUSSIAN

With the help of the Soviet Union. ... Az. i Afr. seg. no. 4:20-31 Ap '63.

UNDERDEVELOPED AREAS—TRADE UNIONS

Colonialists and the labor movement [with English summary in insert, p. 5]. I. U. Popov. Az. i Afr. seg. no. 4:60-66 Ap '63.

UNDERGROUND WATER see Water, Underground

UNDERWATER ACOUSTICS

Calibration of infrasonic hydrophones using an electrodynamic compensation technique. A. N. Golentkov. Trudy Inst. Kom. stand., mer. i izm. prib. no. 61:47-57 '62.

Effect of surface waves on the propagation of sound in a shallow fresh-water reservoir. L. N. Zakharov, V. S. Nesterov, E. G. Fedoseeva. Akust. zhur. 9 no. 2:234-236 '63.

Short method for calibrating hydrophones in a pipe-resonator using a reciprocity technique. A. N. Golentkov, I. G. Rusakov. Trudy Inst. Kom. stand., mer. i izm. prib. no. 61:50-63 '62.

UNDERWATER CONCRETE CONSTRUCTION

Hardening of cement under water at temperatures just above zero. N. N. Egorov. Transp. stroit. 13 no. 3:40-51 Mr '63.

Underwater concreting in the construction of ferry crossings. A. S. Zubarev, A. I. Tsapkin. Transp. stroit. 13 no. 4:22-24 Ap '63.

UNDERWATER TELEVISION

Underwater television on a floating dock. I. A. Barshai. Bliz. tekhn. - ekon. inform. Tekhn. upr. Min. mor. flota 7 no. 6:68-74 '62.

UNDERWEAR

Would you like to be slim and elegant? Most, prom. i khud. promya. 4 no. 3:34-36 Mr '63.

UNDULANT FEVER see Brucellosis

UNEMPLOYED

(see also subdivision under United States)

Akademika nauk SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Problems of unemployment during the period of the general crisis of capitalism] Problemy bezrabotitsy v period obshchego krizisa kapitalizma. Moskva, Sotsekgiz, 1963. 339 p.

Underground work of children. I. Kiselev. Mol. komm. no. 7:84-93 Ji '62.

UNION CATALOGS see Catalogs, Union

UNION OF SOVIET SOCIALIST REPUBLICS see Russia

UNITED ARAB REPUBLIC—CONSTITUTION

Constitutional principles of the United Arab Republic. I. A. Pitasun. Rad. pravo no. 2:140-142 Mr-Ap '63.

UNITED NATIONS

The crisis of colonial policies [with English summary in insert, p. 2-3]. V. I. Ushakov. Az. i Afr. seg. no. 4:18-21 Ap '63.

Practical problems of the space law. G. Zhukov. Mezhdunar. zhizn' 10 no. 5:37-43 My '63.

Principles of peaceful coexistence in the charter of the United Nations. V. K. Sobakin. Uch. zap. IMO no. 10:27-32 '62.

Some problems in improving the structure of the U. N. Security Council. V. N. Fedorov. Uch. zap. IMO no. 10:95-118 '62.

Theoretical and practical significance of the problems relating to the legal nature of the United Nations. G. I. Morozov. Uch. zap. IMO no. 10:63-84 '62.

UNITED STATES—AGRICULTURE

Situation of American farmers and the agricultural policy of the U. S. Government, 1945-1950 [with summary in English, pp. 221-222]. V. P. Zolotukhin. Vop. ist. 38 no. 4:70-94 Ap '63.

Tragedy of American farmers. V. Metelkin. Agitator no. 14:38-39 Ji '62.

UNITED STATES—AGRICULTURE—ECONOMIC ASPECTS

What is happening to agriculture in the U. S. A. E. Solertinskaya. Polit. samosbr. 7 no. 3:97-102 Mr '63.

UNITED STATES—AIR CONDITIONING

Air conditioning in the U. S. A. B. V. Barkalov, E. A. Leakov. Vod. i san. tekhn. no. 4:37-39 Ap '63.

UNITED STATES—AIRSHIPS

Cargo-carrying dirigible [from "Light metal age," no. 5-6, 1961; "Science and mechanics," no. 1, 1962]. I. A. A. Rapoport. Stroit. stroboptov. 8 no. 4:40 Ap '63.

UNITED STATES—ATOMIC ENERGY RESEARCH—PERIODICALS

The "Bulletin of Atomic Scientists" on the problems of war and peace. I. U. Volodin. Mezhdunar. zhizn' 10 no. 5:128-130 My '63.

UNITED STATES—ATOMIC SUBMARINES

Oceanographic studies conducted in the Arctic Basin on American atomic submarines. O. V. Kol'man. Okeanologiya 3 no. 2:356-362 '63.

UNITED STATES—AUTOMATION—ECONOMIC ASPECTS

Wheeler, George Shaw. [The economic problems of automation in the U. S. A. Translated from the English] Ekonomicheskie problemy avtomatizatsii v SSHA. Moskva, Izd-vo inostr. lit-ry, 1962. 317 p.

UNITED STATES—BALLOON ASCENSIONS

Flight of a stratosphere balloon. A. G. Vorob'ev, N. I. Smirnov. Priroda 52 no. 3:101-102 '63.

UNITED STATES—BIG BUSINESS

American plutocracy today. S. Men'shikov. Mir, ekon. i mezhdunar. otn. no. 4:16-29 '63.

UNITED STATES—CAPITAL

Accumulation of capital; social and economic analysis. A. Anikin. Mir, ekon. i mezhdunar. otn. no. 4:43-56 '63.

Kyasha, I. A. B. [Capital investments and assets of the U. S. S. R. and the U. S. A.] Kapital'nye vlozheniya i osnovnye fondy SSSR i SSHA. Moskva, Izd-vo Akad. nauk SSSR, 1963. 261 p.

UNITED STATES—CAPITAL INVESTMENTS

Kyasha, I. A. B. [Capital investments and assets of the U. S. S. R. and the U. S. A.] Kapital'nye vlozheniya i osnovnye fondy SSSR i SSHA. Moskva, Izd-vo Akad. nauk SSSR, 1963. 261 p.

UNITED STATES—CARDING MACHINES

New method for cotton carding. Leh. prom. no. 1:62 Ja-Mr '63.

UNITED STATES—CATHOLIC CHURCH—CLERGY

A letter to Cardinal Cushing. L. Kedrin. Nauka i rel. 4 no. 2:20-31 F '63.

UNITED STATES—CHEMICAL INDUSTRIES

"Du Pont de Nemours," a chemical monopoly. I. Bykov. Mir, ekon. i mezhdunar. otn. no. 4:90-95 '63.

UNITED STATES—CHEMISTRY—STUDY AND TEACHING

Chemistry as an academic subject in the general secondary schools of the United States. V. L. Ryss-Snorgouskaya. Izv. APN no. 122:350-359 '62.

UNITED STATES—CIVILIZATION

"America and the world revolution" [in English] by Arnold J. Toynbee. Reviewed by V. Trukhanovskii. Mir, ekon. i mezhdunar. otn. no. 4:145-148 '63.

UNITED STATES—COMMUNIST PARTY

Advance of American reaction and the struggle of the Communist Party for the interests of American workers. N. Syrtsov. Komm. Ukr. 38 no. 4:71-78 Ap '63.

For peace and the bright future of all peoples. Henry Winston. Mol. komm. no. 7:3-6 Ji '62.

The McCarran-Wood law and American "justice." B. Krylov. Sots. zakon. 30 no. 7:30-41 Ji '62.

UNITED STATES—CORPORATIONS—TAXATION

Preferential tax treatment for monopolies in the U. S. A. E. Lebedeva. Mir, ekon. i mezhdunar. otn. no. 2:102-105 '63.

UNITED STATES—COST AND STANDARD OF LIVING

"Industrial traumatism and the standard of living of the workers in the U. S. A." by I. T. Nazarenko. Reviewed by I. A. Zinov'ev. Zdrav. Ros. Feder. 6 no. 10:36-37 O '62.

UNITED STATES—CRIME AND CRIMINALS

Growing number of criminal offenses in capitalist countries. N. Zakora. Rad. pravo no. 3:132-134 My-Je '62.

UNITED STATES—DESCRIPTION AND TRAVEL

The real face of America. G. Kovalenko. Mol. komm. no. 7:80-83 Ji '62.

UNITED STATES—ECONOMIC CONDITIONS

The real face of America. G. Kovalenko. Mol. komm. no. 7:80-83 Ji '62.

UNITED STATES—ELECTIONS

I am a citizen of the land of the Soviets. Mykola Tarnovskiy. Ukraina no. 5:2-3 Mr '63.

UNITED STATES—ELECTROMETALLURGY

Blowing the bath of an electric furnace with oxygen (from "Journal du Four Electrique et des Industries Electrochimiques," no. 5, 1962). Met. i gornorud. prom. no. 1:86-87 Ja-F '63.

State of vacuum-arc refining in the United States (from "Journal du Four Electrique," no. 7, 1961). Met. i gornorud. prom. no. 1:87-89 Ja-F '63.

UNITED STATES—ELECTRONIC COMPUTERS

Use of computer techniques in shipbuilding (from "Electronics," no. 12, 1962, "Marine Engineer and Naval Architect," no. 1035, 1962). V. P. Evtsev. Sudostroyeniye 29 no. 3:57 Mr '63.

UNITED STATES—FEEDS

Manufacture of feed meal (from "The National Provisioner," Aug. 1962). A. Sevast'yanova, N. Timokhina. Mias. ind. SSSR 34 no. 1:60-61 '63.

UNITED STATES—FIELD CROPS—FERTILIZERS AND MANURES

Use of fertilizers in the U. S. A. D. A. Koren'kov. Zemledelie 25 no. 1:80-84 Ja '63.

UNITED STATES—FINANCIAL STATEMENTS

Vietsman, N. R. [Financial statements of capitalist enterprises and their analysis] Bakansy kapitalisticheskikh predpriyatii i ikh analiz. Izd. 3. dop. Moskva, Vneshtorgizdat, 1962. 187 p.

UNITED STATES—FOREIGN ECONOMIC RELATIONS

"Europe at sixes and sevens" by E. Benoit. Reviewed by A. Borisov. Vnesh. torg. 43 no. 3:32-38 '63.

United States and the "Common Market" [with English summary in appendix]. M. Zakharov. Vnesh. torg. 43 no. 4:25-30 '63.

UNITED STATES—FOREIGN ECONOMIC RELATIONS—ASIA, SOUTHEASTERN

Economic aggression of the United States in Southeastern Asia [with English summary in appendix]. L. Klovchovskii. Vnesh. torg. 43 no. 3:10-16 '63.

UNITED STATES—FOREIGN RELATIONS

Emile Mas's sensible ideas. I. Gorev. Sov. professury 19 no. 7:28-29 Ap '63.

"The U. S. A. and Munich; from the history of American foreign policy, 1937-1938" by M. Baturin. Reviewed by P. Lavrov. Mir, ekon. i mezhdunar. otn. no. 2:148-150 '63.

U. S. A. capitalists are counting on the "Polaris." V. P. Rogov. Mor. zbor. 46 no. 5:77-85 My '63.

UNITED STATES—FOREIGN RELATIONS—CUBA

Growth of the national liberation movement of the peoples of Latin America; triumph of the people's revolution in Cuba. B. M. Merin. Prep. ist. v shkole 18 no. 2:77-84 Mr-Ap '63.

UNITED STATES—FOREIGN RELATIONS—NEAR EAST

The Suez scenario of Mr. Dulles. B. Marushkin. Mezhdunar. zhizn' 10 no. 5:85-97 My '63.

UNITED STATES—FOREIGN RELATIONS—SIKKIM

Love and the State Department. I. Andronov. Nov. vrem. 20 no. 19:29-30 My '63.

UNITED STATES—GRAIN—TRANSPORTATION

Characteristics of grain transportation in the U. S. A. V. A. Katolichenko. Zhel. dor. transp. 45 no. 4:89-90 Ap '63.

UNITED STATES—HISTORY

Samollo, A. S. [English colonies in North America in the 17th century; early period of the history of the U. S. A.] Angliiskie kolonii v Severnoi Amerike v XVII veke; nachal'nyi period istorii SSHA. Moskva, Izd-vo Akad. nauk SSSR, 1963. 321 p.

UNITED STATES—HOUSING

Slums and palaces. A. Kirsanov. Agitator no. 15:28-30 Ag '62.

UNITED STATES—INDUSTRIAL MANAGEMENT

Organization of auxiliary work in the U. S. A. M. Shukhgalt'er. Sots. trud 8 no. 4:111-119 Ap '63.

UNITED STATES—INDUSTRIES

"Structural changes in the industry of the U. S. A., Great Britain and the Federal Republic of Germany in the postwar years." Reviewed by A. Miletovskii. Mir, ekon. i mezhdunar. otn. no. 4:151-155 '63.

UNITED STATES—INFORMERS

Role of informers in the criminal procedure of the U. S. A. I. Mikhailovskaya. Sov. iust. no. 8:25-27 Ap '63.

UNITED STATES—INSURANCE, SOCIAL
Behind the façade of the "government of general prosperity," I. Nazarenko. Okhr. truda i sots. strakh. 6 no. 3:46-47 Mr '63.

UNITED STATES—JUVENILE DELINQUENCY
"American mirages" by L. N. Mitrokhin. Reviewed by V. Ozerov. Kommunist 40 no. 6:110-113 Ap '63.

UNITED STATES—LANGUAGES—STUDY AND TEACHING
Basic methodological problems of teaching foreign languages in the United States. Morton Benson. Inostr. iaz. v shkole no. 2:111-116 Mr-Apr '63.

UNITED STATES—MILITARY POLICY
U. S. militarism is a menace to peace. V. Vasin. Komm. Bel. 37 no. 3:58-62 Mr '63.

UNITED STATES—MINING MACHINERY
New loader with crawler traction and pneumatic drive (from "Mining World," no. 7, 1962). Met. i gornorud. prom. no. 1:92 Ja-F '63.

UNITED STATES—MOTION PICTURES—PRODUCTION AND DIRECTION
Through the eyes of a motion-picture technician. B. Konoplev. Isk. kino 33 no. 2:125-134 '63.

UNITED STATES—MOTION PICTURES IN EDUCATION
Educational films in the United States. Warwick M. Tompkins. Isk. kino 33 no. 2:121-124 '63.

UNITED STATES—NARCOTIC ADDICTS
The slaves of narcotic habit. V. L. Lubchenko. Ukraina no. 7:24 Ap '63.

UNITED STATES—NEWS AGENCIES
The "Associated Press" agency. Mezhdunar. zhizn' 10 no. 6:147-149 My '63.

UNITED STATES—PAINT—TESTING
Physical processes occurring during the drying and aging of paint coatings (from "Official Digest," 33 no. 430, 1961). D. S. Jakubovich. Lakokr. mat. i kh. prim. no. 2:73-77 '63.

UNITED STATES—PEACE
American voices for peace; book reviews. G. Gerasimov. Mezhdunar. zhizn' 10 no. 5:131-133 My '63.

UNITED STATES—PEACE—PERIODICALS
"War-peace report," a monthly journal devoted to war and peace problems. I. Chagolev. Mir. ekon. i mezhdunar. otn. no. 4:138-140 '63.

UNITED STATES—PERIODICALS
The last trump; a pamphlet. M. Vistinskii. Polit. samozh. 7 no. 3:121-123 Mr '63.

UNITED STATES—POLITICS AND GOVERNMENT
The real face of America. G. Kovalenko. Mol. komm. no. 7:80-83 Ji '62.

UNITED STATES—POOR
Black book. Kommunist 40 no. 6:113-115 Ap '63.

UNITED STATES—POVERTY
"Thirty-two million Americans are on the border of poverty..." (Kennedy). Vsem. prof. dvizh. no. 4:22-24 Ap '63.

UNITED STATES—POWER ENGINEERING
"Development of electric power engineering in the U. S. A." by R. P. Kuropliatnik. Reviewed by V. Udovenko. Mir. ekon. i mezhdunar. otn. no. 2:142-146 '63.

UNITED STATES—PROPAGANDA, ANTI-COMMUNIST
What they teach young people in the country of "enlightened egotism." A. Beliaev, A. Churbar'ian. Kommunist 40 no. 6:104-110 Ap '63.

UNITED STATES—PUBLIC OPINION
"American credos" [in English] by S. Chase; a book review. Mir. ekon. i mezhdunar. otn. no. 4:155-156 '63.

UNITED STATES—RACE QUESTION
Dayvov, Fedor. [No. 1 star looks for a place for the night] "Zvezda No. 1" ishchet nochlega. Moskva, Izd-vo "Znanie," 1961. 77 p. (Prochti, tovarishchi!)

UNITED STATES—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES
"America and the world revolution" [in English] by Arnold J. Toynbee. Reviewed by V. Trukhanovskii. Mir. ekon. i mezhdunar. otn. no. 4:145-149 '63.
"Democracy's manifesto" [in English] by William O. Douglas. Reviewed by I. Lapitskii. Mir. ekon. i mezhdunar. otn. no. 2:139-142 '63.

UNITED STATES—RELATIONS (GENERAL) WITH RUSSIA
I have a friend. A. Medvedev. Smena 39 no. 23:14-15 D '62.

UNITED STATES—RELATIONS (MILITARY) WITH THE FAR EAST
Militarists' pact in the Far East. T. Zhukova. Mir. ekon. i mezhdunar. otn. no. 4:106-107 '63.

UNITED STATES—RESEARCH, INDUSTRIAL
Research in the service of monopolies. M. Goriainov. Mir. ekon. i mezhdunar. otn. no. 4:114-124 '63.

UNITED STATES—REVOLUTION
Aptheker, Herbert. [The American Revolution, 1783-1789; a history of the American people. Translated from the English] Amerikanskaya revoliutsiya 1783-1789; istoriya amerikanskogo naroda. Moskva, Izd-vo Inostr. lit-ry, 1962. 381 p. (IaU)

UNITED STATES—RUSSIAN PERIODICALS
What the periodical "Amerika" fights for. G. Pondopulo. Mol. komm. no. 7:112-121 Ji '62.

UNITED STATES—RUSSIAN STUDIES
Unfair criticism of a sober evaluation of international relations. O. S. Pavlov. Vop. ist. 38 no. 4:181-182 Ap '63.

What they teach young people in the country of "enlightened egotism." A. Beliaev, A. Churbar'ian. Kommunist 40 no. 6:104-110 Ap '63.

UNITED STATES—SOCIAL CONDITIONS
Dayvov, Fedor. [No. 1 star looks for a place for the night] "Zvezda No. 1" ishchet nochlega. Moskva, Izd-vo "Znanie," 1961. 77 p. (Prochti, tovarishchi!)

UNITED STATES—STANDARDIZATION
From technical periodicals. L. S. Povarennykh. Standartizatsiya 27 no. 2:61-63 F '63.

UNITED STATES—STUDENT ACTIVITIES
Behind the smoke curtain of deceit. V. Osipov. Smena 39 no. 12:16-17 Je '62.

UNITED STATES—TELEVISION BROADCASTING
The bought word. Sov. pech. no. 3:60 Mr '63.

UNITED STATES—TRADE UNIONS
Emile Mas's sensible ideas. I. Gorev. Sov. profsoyuzy 19 no. 7:28-29 Ap '63.

UNITED STATES—TRAUMATISM
"Industrial traumatism and the standard of living of the workers in the U. S. A." by I. T. Nazarenko. Reviewed by I. A. Zinov'ev. Zdrav. Res. Feder. 6 no. 10:36-37 O '62.

UNITED STATES—TRIALS (POLITICAL CRIMES AND OFFENSES)
Role of informers in the criminal procedure of the U. S. A. I. Mikhailovskaya. Sov. iust. no. 8:25-27 Ap '63.

UNITED STATES—TRUSTS, INDUSTRIAL
Vielmann, N. R. [Financial statements of capitalist enterprises and their analysis] Balansy kapitalisticheskikh predpriyatii i ikh analiz. Izd. 3. dop. Moskva, Vneshtorgizdat, 1962. 187 p.

UNITED STATES—UKRAINIANS
They met in San Antonio. S. Horvits, L. Shamis. Ukraina no. 5:16 Mr '63.

UNITED STATES—UNEMPLOYED
Fanfare and hopeless poverty. Ukraina no. 4:6 F '63.

UNITED STATES—WAR—PERIODICALS
"War-peace report," a monthly journal devoted to war and peace problems. I. Chagolev. Mir. ekon. i mezhdunar. otn. no. 4:138-140 '63.

UNITED STATES—WATER RESOURCES DEVELOPMENT
Using modern computing systems in designing hydraulic developments. L. V. Dunin-Barkovskii. Gidr. i mai. 15 no. 3:48-52 Mr '63.

UNITED STATES—WOMEN—EMPLOYMENT
Position of working women in the U. S. A. Philip M. Connolly. Vsem. prof. dvizh. no. 4:31-34 Ap '63.

UNITED STATES—WOMEN AND PEACE
A great-hearted woman; an interview with Dagmar Wilson. Irina Onyashchuk. Zhen. mira no. 3:8-8 '63.
Women can weave a future of peace. Helen Miller. Zhen. mira no. 1:13-14 '63.

UNITED STATES—WORLD WAR, 1939-1945
Vorontsov, V. B. [Korea in the plans of the U. S. A. during the Second World War] Koreia v planakh SShA v gody Vtoroi mirovoi voyny. Moskva, Izd-vo vostochnoi lit-ry, 1962. 138 p.

UNITED STATES—YOUTH
"American mirages" by L. N. Mitrokhin. Reviewed by V. Ozerov. Kommunist 40 no. 6:110-113 Ap '63.
Future belongs to us. B. Laroshevskii. Mol. komm. no. 7:23-31 Ji '62.
Grimaces of the "free" world. Mol. komm. no. 2:123-124 F '63.

Indifferent, where do they come from? IU, Kashlev, S. Filushkina. Smena 39 no. 11:18-19 Je '62.
Uncle Sam's stepchildren. I. Gur'ev. Mol. komm. no. 2:119-122 F '63.

UNITED STATES IN LITERATURE
"Beyond the ocean" by Mikhail Lyn'kov. Reviewed by M. Dosin. Belarus' 20 no. 4:26-29 Ap '63.

UNITES
Concerning the adoption of the international unit system by the U. S. S. R. V. Korotkov. Khleb. i kond. prom. 7 no. 4:44-47 Ap '63.

International system of units. L. R. Stetskii. Prom. energ. 10 no. 1:46-59 Ja '63.

International system of units. Met. i gornorud. prom. no. 1:83 Ja-F '63.

International system of units and its application in designing and construction. L. Stetskii, N. Kalashnikov. Ekon. stroi. no. 4:55-59 Ap '63.

International system of units in the teaching of physics. N. N. Malov. Fiz. v shkole 23 no. 1:22-24 Ja-F '63.
Introduction of the international system of units in the U. S. S. R. V. P. Korotkov. Prom. energ. 18 no. 4:40-42 Ap '63.

Introduction of the International System of Units in the U. S. S. R. V. P. Korotkov. Mekh. stroi. 20 no. 3:10-12 My '63.

Introduction of the international unit system in the S. S. S. R. V. Korotkov. Akuat. zhur. 9 no. 2:257-260 '63.

SI - the International System of Units. L. R. Stetskii, N. V. Kalashnikov. Stroi. mat. 9 no. 3:36-38 Mr '63.

Technological progress and the new international unit system. IA, G. Shtepan. Khar. prom. no. 1:84-85 Ja-Mr '63.

Technological progress and the new international unit system. IA, G. Shtepan. Leh. prom. no. 1:88-91 Ja-Mr '63.

Use of published academic literature with the application of the SI system. D. M. Shapiro. Sred. spets. obr. 10 no. 4:24-29 Ap '63.

UNSATURATED COMPOUNDS

Addition of some α -halo ethers to unsaturated compounds. B. A. Arbutov, O. N. Paretlianova. Izv. AN SSSR, Otd. khim. nauk no. 2:311-318 F '63.

Infrared spectra of unsaturated organosilicon compounds with a pentamethyldifluoride group. IU, P. Egorov and others. Izv. AN SSSR, Otd. khim. nauk no. 3:560-571 Mr '63.

Synthesis of bifunctional organophosphorus compounds. Report No. 2: Addition of butylphosphine to unsaturated compounds. B. A. Arbutov, G. M. Vinokurova. Izv. AN SSSR, Otd. khim. nauk no. 3:502-508 Mr '63.

Unsaturated acids and macrocyclic lactones. Report no. 7: Synthesis of unsaturated ω -hydroxy acids. L. D. Bergel'son, E. V. Dostovitskaya, M. M. Sizemakina. Izv. AN SSSR, Otd. khim. nauk no. 3:506-509 Mr '63.

UPTIS, PETERIS, 1899-

Uptis, Peteris. [Reproductions. Reprodukcijas] Riga, Latvijas Valsts izdevnieciba, 1962. [4] p. plates. [Text in Latvian and Russian]

UPTIS, ANDREJS, 1877-

The 86th birthday of Andrejs Uptis. Teatr 24 no. 3:103 Mr '63.

URA-TYUBE—HISTORY—SOURCES

Akademiya nauk Tadzhikskoi SSR, Dushanbe. Institut istorii. [Collection of source materials from the 17th-19th centuries on the history of Ura-Tyube] Materialy po istorii Ura-Tyube; sbornik aktov XVII-XIX vv. Sost., perevod i predisl. A. Mulditarova. Pod red. A. A. Semanova i O. D. Chekhovich. Moskva, Izd-vo vostochnoi lit-ry, 1963. 134 p.

URAL COMPUTER

Morphometric calculations on the Ural-2 Electronic Digital Computer. A. V. Bulgakov. Transp. stroi. 13 no. 4:58-59 Ap '63.

Performing surveying calculations on a "Ural" electronic computer. A. V. Khlebnikov. [Trudy] VNIIM no. 45: 63-69 '62.

URAL COMPUTER—PROGRAMMING

[Programming for the "Ural-1" electronic computer] Programmirovaniye dlia elektronnoi vychislitel'noi mashiny "Ural-1." [By] E. T. Gavrilenko i dr. Moskva, Mashgiz, 1962. 296 p.

URAL MOUNTAIN REGION—ARCHAEOLOGY—CONGRESSES

Ural'skoe arkhologicheskoe soveshchaniye. 2d, Sverdlovsk, 1961. [Second Ural Archaeological Congress at the Ural University] Vtoroe Ural'skoe arkhologicheskoe soveshchaniye pri Ural'skom universite, Sverdlovsk, 1961. 2 v. (Voprosy arkhologii Urala, nos. 1-2) (MI)

URAL MOUNTAIN REGION—DAIRY BARN

Loose housing of cows in the Urals. P. Moiseev. Tekh. v sel'khoz. 23 no. 1:22-26 Ja '63.

URAL MOUNTAIN REGION—ENCEPHALITIS

Epidemiology of tick-borne encephalitis in the Urals [with summary in English]. A. V. Pashentchnov, V. M. Minacova, G. I. Starodubtseva. Vop. virus. 7 no. 6:651-665 N-D '62.

URAL MOUNTAIN REGION—FORESTS AND FORESTRY—VALUATION

Practices in making the draft of a table of the growth of model stands of berry-type pine forests. L. F. Mironenkova. Trudy Ural'skoi lesotekhn. insh., no. 17: 88-91 '60.

URAL MOUNTAIN REGION—GAS, NATURAL—GEOLOGY
Formation of oil and gas pools in the reef zone of the cis-Ural trough. V. A. Koshlakov, I. A. Iakupov. Geol. nefti i gaza 7 no. 4:7-12 Ap '63.

URAL MOUNTAIN REGION—GAS, NATURAL—PIPE-LINES
For the needs of the industrial Urals. N. Sokratov. Part. zhizn' no. 8:43-47 Ap '63.

URAL MOUNTAIN REGION—GEOLOGY, STRUCTURAL
"Materials on the geomorphology and recent tectonics of the Urals and the Volga Valley." Vol. 1. Reviewed by S. K. Gorelov. Izv. AN SSSR, Ser. geog., no. 2:143-146 Mr-Apr '63.

URAL MOUNTAIN REGION—INDUSTRIAL WASTES
"Covering the vegetation slag dumping fields (ash heaps) of the thermoelectric power stations of the Urals" by V. V. Tarchevskii and others. Reviewed by F. I. A. Levina. Rot. zhur. 40 no. 3:460-461 Mr '63.

URAL MOUNTAIN REGION—MINING ENGINEERING—SAFETY MEASURES
Voluntary Inspector Ivan Saibert. T. Nikolaev. Bezop. truda v prom. 6 no. 8:13 Ag '62.

URAL MOUNTAIN REGION—PETROLEUM GEOLOGY
Formation of oil and gas pools in the reef zone of the cis-Ural trough. V. A. Koshlakov, I. A. Iakupov. Geol. nefti i gaza 7 no. 4:7-12 Ap '63.

URAL MOUNTAIN REGION—PETROLEUM INDUSTRY—FINANCE
Luzhn, V. I. [Economic efficiency of capital investments in petroleum production; based on the example of the Urals and the Volga Valley] Ekonomicheskaya effektivnost' kapital'nykh vlozhenii v nefteobrabatovaniye promyshlennosti; na primere Uralsko-Povolzh'ia. Moskva, Gosstatizdat, 1963. 130 p.

URAL MOUNTAIN REGION—PUBLIC HEALTH
Public health in the Urals "facing production" (1930-1934). V. T. Solozneva. Sov. zdrav. 22 no. 4:23-29 '63.

URAL MOUNTAIN REGION—ROCKS, IGNEOUS
Materials on the geology of Cenozoic-type effusives in the trans-Ural region. A. P. Sigov, V. M. Iakushev. Sov. geol. 6 no. 2:143-150 F '63.

URAL MOUNTAIN REGION—SOIL BINDING
"Covering the vegetation slag dumping fields (ash heaps) of the thermoelectric power stations of the Urals" by V. V. Tarchevskii and others. Reviewed by F. I. A. Levina. Bol. zhur. 48 no. 3:400-401 Mr '63.

URAL MOUNTAIN REGION—TECHNICAL EDUCATION
Scientists as organizers of public institutes of technological progress. A. V. Bukunin. Vest. vya. shkoly 21 no. 3:36-38 Mr '63.

URAL MOUNTAINS—BIRDS
Some problems of the formation of the bird fauna in the Urals. V. D. Il'ichev. Ornitologiya no. 4:135-141 '62.

URAL MOUNTAINS—FERNS, FOSSIL
Genus Cladophlebia in Lower Mesozoic sediments of the eastern Urals. A. I. Kirichkova. Trudy VNIIGRI no. 196. Paleont. sbor. no. 3:495-577 '62.

URAL MOUNTAINS—FORAMINIFERA, FOSSIL
Grozdlava, L. P., and N. S. Lebedeva. [Foraminifers in the Carboniferous on the western slope of the Urals and the Timan Ridge; atlas of more representative species] Foraminifery karnomoungol'nykh otlozhenii zapadnogo sklona Urala i Timana; atlas naibolee kharakternykh vidov. Leningrad, Gosstatizdat, 1960. 283 p. (Leningrad, Vsesoiuznyi neflanoi nauchnoissledovatel'skii geologorazvedochnyi institut. Trudy, no. 150)

URAL MOUNTAINS—GABBRO
Hypabyssal alkali gabbros from the western slope of the Urals. N. A. Rumiantseva. Dokl. AN SSSR 149 no. 3:684-687 Mr '63.

URAL MOUNTAINS—GEOLOGY
New data on the geology of the Kharamatolou trough in the Arctic Urals. A. P. Belousov. Sov. geol. 6 no. 2:130-135 F '63.

URAL MOUNTAINS—IRON SULFIDES
Iron sulfides in the oolite iron ores of the Urals. B. F. Gorbachev. Zap. Vses. min. ob-va 92 no. 1:96-98 '63.

URAL MOUNTAINS—OOILITE
Iron sulfides in the oolite iron ores of the Urals. B. F. Gorbachev. Zap. Vses. min. ob-va 92 no. 1:96-98 '63.

URAL MOUNTAINS—PALEOBOTANY, STRATIGRAPHIC
New materials on the Triassic flora of the Central Urals. A. I. Kirichkova. Trudy VNIIGRI no. 196. Paleont. sbor. no. 3:457-460 '62.

URAL MOUNTAINS—QUARTZ
Natural dust-like quartz from deposits of the Southern Urals. N. A. Subbotin. Lit. profizv. no. 4:30-40 Ap '63.

URAL MOUNTAINS—ROCKS, CARBONATE

Hydrothermal alterations in carbonate rocks near crystal-bearing veins. V. I. U. Eshkin. Zap. Vses. min. ob-va 92 no. 1:3-14 '63.

URAL MOUNTAINS—THRUSHES

Geographical variation of the propagation of the fieldfare and the redwing in the Urals. N. N. Danilov, V. A. Tarchevskaya. Ornitologiya no. 4:142-153 '62.

URAL RIVER (ORENBURG PROVINCE)—RUNOFF

Several problems in regulating the Ural River runoff in the eastern part of Orenburg Province. V. S. Smetenich. Izv. Vses. geog. ob-va 95 no. 1:79-83 Ja-F '63.

URAL VALLEY—GEOLOGY, STRATIGRAPHIC
Some data on the Tertiary stratigraphy of the Ural-Volga interfluvium. T. N. Dzhamgaliev. Trudy Inst. nefti AN Kazakh, SSSR 4:10-19 '61.

URANIUM
High temperature oxidation of metal uranium. A. F. Bessonov, V. G. Vlasov. Fiz. met. i metalloved. 15 no. 3:477-479 Mr '63.

Kotlar, V. N., and others. [Uranium in ancient conglomerates] Urani v drevnikh konglomeratakh. [By] A. I. Bezgudov i dr. Pod red. V. N. Kotlars. Moskva, Gosstatizdat, 1963. 187 p.

URANIUM—ANALYSIS

On the luminescence determination of uranium, cerium, and niobium [with summary in English]. A. M. Ushakova. Zhur. anal. khim. 18 no. 1:79-81 Ja '63. Reaction of hexavalent uranium with arsenazo III in strongly acid solutions [with summary in English]. A. A. Nemodruk, L. P. Glukhova. Zhur. anal. khim. 18 no. 1: 93-98 Ja '63.

URANIUM CARBIDES—ELECTRIC PROPERTIES

Thermal emission properties of uranium and zirconium carbides and their solid solutions. B. S. Kul'vanskaya and others. Radiotekh. i elektron. 8 no. 4:875-879 Ap '63.

URANIUM COMPOUNDS—ABSORPTION SPECTRA

Method of coordinating NCS-groups in the complex compounds of uranium (IV) and uranyl. I. U. I. A. Kharitonov and others. Zhur. neorg. khim. 8 no. 3:767-768 Mr '63.

URANIUM ORES

Some geological characteristics and prospecting criteria of high concentrations and deposits of uranium in coals [with summary in English]. A. A. Predovskii, G. G. Kochin. Vest. LGU 18 no. 6:35-45 '63.

URANIUM OXIDES

Article by Vikt. Spitsyn, G. M. Nesmelanova, E. A. Kanevskii, "Certain problems of the thermodynamics and kinetics of solution of uranium oxides in an acid medium," discussed by O. A. Songina, Z. B. Rozhdestvenskaya, Zhur. neorg. khim. 8 no. 3:781-782 Mr '63. Phase transformations during the reduction of U₃O₈. V. M. Zhukovskii, E. V. Tkachenko, V. G. Vlasov. Fiz. met. i metalloved. 15 no. 2:210-214 F '63. Phase transformations during the reduction processes of uranium oxide by solid carbon. E. V. Tkachenko, V. G. Vlasov. Fiz. met. i metalloved. 15 no. 2:239-243 F '63. Reply to the letter by O. A. Songina, Z. B. Rozhdestvenskaya on the article by Vikt. Spitsyn, G. M. Nesmelanova, E. A. Kanevskii, Zhur. neorg. khim. 8 no. 3:782 Mr '63.

URANYL COMPOUNDS

Structure of complex compounds of uranyl with anions of tartaric, malic, and trihydroxyglutaric acids. V. P. Markov, I. U. I. A. Kharitonov, Z. M. Alikhanova, Zhur. neorg. khim. 8 no. 3:774-775 Mr '63.

UREA

Complex formation of cadmium with thiourea in water-ethanol solutions. P. K. Migal', V. A. Tsipilakova, Zhur. neorg. khim. 8 no. 3:629-633 Mr '63.

Double compounds of urea and manganese chloride. I. G. Druzhinin, K. Rysmendeev. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:21-32 '62.

Effect of a urea load on the metabolism of some trace elements in the kidneys [with summary in English]. V. R. Soroka. Ukr. biokhim. zhur. 34 no. 6:834-839 '62.

Heat transfer to the boiling urea melt. P. G. Trunov. Khim. prom. no. 3:217-218 Mr '63.

Interaction of urea with sodium and potassium halides and nitrates. Report No. 1: Ternary systems consisting of urea - potassium nitrate and potassium halides. A. G. Bergman, K. Nogojev. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:149-154 '62.

Interaction of urea with the products of the nitric acid decomposition of phosphates. I. A. S. Shenkin, V. A. Klevke, B. G. Lyudkovskaya. Dokl. AN SSSR 149 no. 3: 858-859 Mr '63.

Properties of double compounds of urea, manganese sulfate, and water. I. G. Druzhinin, N. Dulshenaleva. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:123-127 '62.

Reaction of iron sulfate with urea in an aqueous medium at 25 and 40°C. I. G. Druzhinin, A. Kaikiev. Izv. AN Kir. SSR, Ser. est. i tekhn. nauk 4 no. 9:101-106 '62.

UREA DERIVATIVES

Cholesterol, phospholipide, protein, and lipoprotein content of the blood serum in diabetes mellitus during treatment with sulfonylurea derivatives [with summary in English]. P. A. Sil'nikskii. Sov. med. 28 no. 1:39-42 Ja '63.

URETHANES

Production of self-damping elastic polyurethane foams. V. A. Sidorov and others. Plast. massy no. 4:69-70 '63.

URETHANS

Possibilities of using polyurethane varnishes. Der. prom. 12 no. 2:3 of cover F '63.

URETHRA—DISEASES

Nongonorrheal urethritis in men. B. M. Mosheovich. Med. sestra 21 no. 12:18-19 D '62.

URINARY ORGANS—CALCULI see Calculi, Urinary

URINARY ORGANS—DISEASES

Aifavetakil, A. V. [Treatment of urological diseases at health resorts of the Caucasian Mineral Waters Region] Lechenie bol'nykh s urologicheskimi zabolevaniyami na kurortakh Kavkazskikh Mineral'nykh Vod. 2. dop. izd. [Stavropol'] Stavropol'skoe knizhnoe izd-vo, 1961. 101 p. (DNLM)

URINE—ANALYSIS AND PATHOLOGY

Determination of exopeptidase in the urine [with summary in English]. N. E. Bel'skii. Vrach. delo no. 3: 44-47 Mr '63.

URN BURIAL see subdivision under Mingechar

UROLOGY

"Pediatric urology" by A. I. A. Dukhanov. Reviewed by I. A. D. Mikhailson. Pediatria 41 [i.e. 42] no. 2:94-95 F '63.

USHAKOV, DIODOR VLADIMIROVICH

Creative collaboration; remarks on the exhibition of works by I. I. A. Val'denberg and D. V. Ushakov. M. Mints. Iskustvo 25 no. 12:37-43 '62.

USMAN' DISTRICT—SOVIETS

Popova, P. I. [Sessions of a rural soviet; experience in preparing for and carrying on the sessions of the Nikol'skaya Rural Soviet of Workers' Deputies in Usman' District] Seitsi sel'skogo Soveta; o praktike podgotovki i provedeniya sessii Nikol'skogo sel'skogo Soveta deputatov trudashchikh Usmanskogo raiona. Lipetsk, Lipetskoe knizhnoe izd-vo, 1959. 23 p. [MICROFILM]

UST'-LABINSK—RESTAURANTS, LUNCHROOMS, ETC.

Let's encourage good initiative. G. Shevlyakov. Sov. potrebn. koop. 7 no. 2:14-15 F '63.

UST'-LABINSK REGION—AGRICULTURAL ADMINISTRATION

New methods of work with rural toilers. V. Zadoroshchenko. Agitator no. 15:38-40 Ag '62.

UST'-ORDA—EDUCATION

In the Ust'-Orda Buryat National Area. V. Bluev. Nar. obr. no. 4:26-30 Ap '63.

UST' PORT REGION—GRAVITY PROSPECTING

Interpretation of the Vazh B field in the Ust' Yenisey region. G. I. Martynova. Trudy NIIGA 132:75-102 '62.

UST-URT—ARGALI

Jerboa and argali on the Ust-Urt Plateau. I. M. Fokin. Priroda 52 no. 3:67-69 '63.

UST-URT—GEOLOGY, STRATIGRAPHIC

Upper Cretaceous and Paleogene stratigraphy of the northern Ust-Urt key well. P. T. Rygina. Trudy Inst. nefti AN Kazakh, SSSR 4:60-68 '61.

UST-URT—JERBOAS

Jerboa and argali on the Ust-Urt Plateau. I. M. Fokin. Priroda 52 no. 3:67-69 '63.

UTERUS—MOTILITY

Effect of temporary cessation of fetomaternal blood circulation on the contracting activity of the uterus and carbohydrate metabolism of the mother. Kh. G. Kanbal. Azerb. med. zhur. no. 2:10-15 F '62.

UTKHOLOK, CAPE—MOLLUSKS, FOSSIL

Mollusks in the "Tufogene horizon" of Utkholok Cape on the west coast of Kamchatka. A. P. Il'ina. Trudy VNIIGRI no. 196. Paleont. sbor. no. 3:337-359 '62.

UZBEK ART see Art, Uzbek

UZBEK LITERATURE

Basic principles of Soviet literature. V. Mogilevskii. Komm. Uz. 35 no. 3:75-84 Mr '63.

UZBEKISTAN—AERONAUTICS IN AGRICULTURE

Bedrosov, I. U. I. A., and L. P. Sudars. [Aeronautics in agriculture] Aviatatsiya v sel'skom khozaystve. Tashkent, Gosizdat UzSSR, 1962. 48 p.

UZBEKISTAN—AGRICULTURAL ADMINISTRATION

Organization of the administration of agricultural production. V. Klm. Nar. khoz. Uzb. 4 no. 1:63-67 Ja '63.

UZBEKISTAN—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

Training of collective farm cadres in Uzbekistan during the years of the Great Patriotic War. V. A. Ordukhonov. Obshchestv. nauki v Uz. 7 no. 3:42-45 '63.

UZBEKISTAN—AGRICULTURE

Dry farming area is Uzbekistan's richest granary. N. Simonov, A. Smirnov. Nar. khoz. Uzb. 5 no. 2:28-33 F '63.

Let's give a great push to agriculture. I. A. Ashurov. Uzbekiston 21 no. 5:9 My '62.

UZBEKISTAN—AGRICULTURE—FINANCE

Fixed assets and working capital of collective and state farms and their utilization. E. Spil'nikov, M. Amirov. Nar. khoz. Uzb. 5 no. 4:67-74 Ap '63.

UZBEKISTAN—AMMONIA AS FERTILIZER

Ammonium-enriched superphosphate. R. N. Ivanov. Priroda 52 no. 4:62-63 '63.

UZBEKISTAN—ANTIQUITIES

Creations of ancient culture. V. A. Shishkin. Uzbekiston 21 no. 5:15 My '62.

UZBEKISTAN—ARCHITECTURE—DESIGNS AND PLANS

Raise designing work to a higher level. I. Nizamov. Nar. khoz. Uzb. 4 no. 1:36-38 Ja '63.

UZBEKISTAN—ARCHITECTURE, ANCIENT

Field studies of the Institute of the History of the Arts in 1961 and 1962. F. M. Karomatov. Obshchestv. nauki v Uz. 7 no. 2:60-71 '63.

UZBEKISTAN—ARTERIOSCLEROSIS

Study of the lipid level in the blood of healthy inhabitants of a rural locality and of those suffering from arteriosclerosis; results of expedition work in some Uzbekistan provinces. V. I. Umidova, L. Kh. Inolatova, L. I. Lazarenko. Med. zhur. Uzb. no. 3:3-8 Ag '62.

UZBEKISTAN—ATHLETICS

Young Dynamo club members. A. Borozovskii. Uzbekiston 21 no. 5:27 My '62.

UZBEKISTAN—AUDITING AND INSPECTION

A genuine people's mass control. V. Gukhlov. Komm. Uz. 35 no. 3:60-66 Mr '63.

UZBEKISTAN—AUXILIARY POLICE

People's militia. S. Nestorovich. Uzbekiston 21 no. 11:19 N '62.

UZBEKISTAN—BARN—HEATING AND VENTILATION

Babichev, G. A. [Ventilation of livestock buildings in Uzbekistan] Ventilyatsiya zhivotnovodcheskikh pomeshchenii v Uzbekistane. Tashkent, Gosizdat UzSSR, 1962. 83 p.

UZBEKISTAN—BENTONITE

The cheapest canal lining. L. Shamrai. Nar. khoz. Uzb. 5 no. 2:77-78 F '63.

UZBEKISTAN—BIOGRAPHY

Kazakova, A. S. [The motherland is proud of them; deeds of Uzbek heroes of the Soviet Union] Imi gorditsia Rodina; podvigi Geroev Sovetskogo Soюза - uzbekistan-tsov. Tashkent Gos. izd-vo Uzbekskoi SSR, 1961. 170 p.

(CBK-II)

UZBEKISTAN—BORDER PATROLS

Guarding the frontier. E. Letman, A. Mallants. Uzbekiston 21 no. 5:22-23 My '62.

UZBEKISTAN—BUSINESS EDUCATION

Hundred and ten words a minute. V. Borisov. Uzbekiston 21 no. 11:20 N '62.

UZBEKISTAN—CANNING INDUSTRY

Supply the fruit canning industry with high quality raw materials. M. Khanzhin. Nar. khoz. Uzb. 5 no. 2:75-77 F '63.

UZBEKISTAN—CAPITAL

Capital assets and productive capacity of industrial enterprises. B. Elisavetskii. Nar. khoz. Uzb. 5 no. 2:55-59 F '63.

UZBEKISTAN—CHEMICAL INDUSTRIES

Develop the chemical industry without the scope of government interests. I. Avakov, A. Dul'man. Nar. khoz. Uzb. 4 no. 1:12-19 Ja '63.

UZBEKISTAN—CIVIL LAW

Proposed civil code of the Uzbek S. S. R. Kh. A. Rakhmankulov. Obshchestv. nauki v Uz. 7 no. 2:53-55 '63.

UZBEKISTAN—COAL—TESTING

Some physicochemical properties of coals and wall rocks in the Shargun' coal deposit. F. M. Arripova. Uzb. geol. zhur. 7 no. 1:26-33 '63.

UZBEKISTAN—COLLECTIVE FARMS

Il'ich dreamed about it. M. Dubinskii. Uzbekiston 21 no. 11:9-7 N '62.

UZBEKISTAN—COMMERCE

Uzbekistan in the foreign economic relations of the U. S. S. R. Kh. Bogdanov. Komm. Uz. 35 no. 3:85-91 Mr '63.

UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Production is the main objective of party work. V. Shchepotkina. Komm. Uz. 35 no. 3:52-59 Mr '63.

UZBEKISTAN—COMMUNITY AND SCHOOL

Some problems concerning public participation in the work of schools and departments of education. U. Enradova. Obshchestv. nauki v Uz. 7 no. 3:30-42 '63.

UZBEKISTAN—CONSTRUCTION INDUSTRY

Development of the construction industry in Uzbekistan during the Great Patriotic War. I. I. Borovkov. Obshchestv. nauki v Uz. 7 no. 2:55-58 '63.

Thirty-four important construction projects. Nar. khoz. Uzb. 5 no. 4:62-63 Ap '63.

UZBEKISTAN—CONSTRUCTION INDUSTRY—FINANCE

Raise designing work to a higher level. I. Nizamov. Nar. khoz. Uzb. 4 no. 1:36-38 Ja '63.

UZBEKISTAN—COTTON—DISEASES AND PESTS

Smoke pots for controlling pests of cotton produce. A. Kh. Khodzimev. Zashch. rast. ot vred. i bol. 6 no. 11:26-27 N '61.

UZBEKISTAN—COTTON GROWING

Communists call forward. Uzbekiston 21 no. 12:9-9 D '62.

Let us give more cotton to our country. Komm. Uz. 35 no. 3:3-12 Mr '63.

The shock front of the building of communism. F. Kalunov. Komm. Uz. 35 no. 3:13-19 Mr '63.

UZBEKISTAN—COTTON MACHINERY

Speeding the scientific and technological progress in the national economy. T. Kagramanov. Komm. Uz. 35 no. 3:39-44 Mr '63.

UZBEKISTAN—COTTON-PICKING MACHINERY

On state farm lands. M. Kadyrov. Uzbekiston 21 no. 11:5 N '62.

Platonov, V., and others. [Practices in machine harvesting of cotton] Opyt mashinnoi uborki khlopka. Tashkent, Gosizdat UzSSR, 1962. 78 p. (Uchites' u nikhi) (DNAL)

UZBEKISTAN—DANCING

Aydeeva, L. [The art of the dance in Uzbekistan] Tansoviy'noe iskusstvo Uzbekistana. Tashkent, Gosizdat Uzbekskoi SSR, 1960. 191 p. (V pomoshch' slozhnolium narodnykh universitetov kul'tury) (MII)

UZBEKISTAN—DISSERTATIONS, ACADEMIC

Dissertations defended by collaborators of the Institutes of the Social Science Department of the Academy of Sciences of the Uzbek S. S. R. in 1962. R. G. Khashchenko, A. A. Artykov. Obshchestv. nauki v Uz. 7 no. 3:55-56 '63.

UZBEKISTAN—EARTHWORK

Rozhdestvenskii, E. D. [Forest soils of Uzbekistan as materials for earthen dams] Lessovye grunty Uzbekistana kak material dlia zemlianykh plotin. Tashkent, Izd-vo Akad. nauk UzSSR, 1962. 204 p.

UZBEKISTAN—ECONOMIC POLICY

The economy and culture of Uzbekistan in the fifth year of the seven-year plan. S. Ziaidullaev. Nar. khoz. Uzb. 4 no. 1:3-11 Ja '63.

Let's take Lenin's path to new heights. Uzbekiston 21 no. 12:3 D '62.

Production is the main objective of party work. V. Shchepotkina. Komm. Uz. 35 no. 3:52-59 Mr '63.

UZBEKISTAN—EDUCATION, HIGHER

Training of specialists in the higher educational institutions of Uzbekistan during the years 1920-1941. F. Sharipov. Obshchestv. nauki v Uz. 7 no. 3:27-32 '63.

UZBEKISTAN—ELECTRICITY IN AGRICULTURE

Preferential rates for electric power used for drainage and irrigation pumping units. B. P. Kurbanov. Gidr. i mel. 15 no. 3:46-47 Mr '63.

UZBEKISTAN—FARM EQUIPMENT

Fixed assets and working capital of collective and state farms and their utilization. E. Spil'nikov, M. Amirov. Nar. khoz. Uzb. 5 no. 4:67-74 Ap '63.

UZBEKISTAN—FARM MECHANIZATION

Steel horses of agricultural workers. N. Zaprudskii. Uzbekiston 21 no. 5:5 My '62.

UZBEKISTAN—FERTILIZERS AND MANURES

Making the earth bountiful at all times. M. Kh. Pruger. Nar. khoz. Uzb. 5 no. 2:63-65 F '63.

Metal and fertilizers tool. A. Lomov. Nar. khoz. Uzb. 5 no. 2:22-23 F '63.

UZBEKISTAN—FIRES AND FIRE PREVENTION

Year after year. V. Parada. Pozh. delo 9 no. 4:32 Ap '63.

UZBEKISTAN—FREIGHT AND FREIGHTAGE

Against common sense. K. Khodzhaev. Nar. khoz. Uzb. 5 no. 2:69-71 F '63.

UZBEKISTAN—FRUIT CULTURE

Supply the fruit canning industry with high quality raw materials. M. Khanzhin. Nar. khoz. Uzb. 5 no. 2:75-77 F '63.

UZBEKISTAN—GAS—STORAGE

Underground gas reservoirs. V. Knorring. Nar. khoz. Uzb. 5 no. 2:19-20 F '63.

UZBEKISTAN—GAS, NATURAL—GEOLOGY

Akademika nauk Uzbekskoi SSR. Tashkent, Institut geologii i razrabotki neflanykh i gazovykh mestorozhdenii. [Problems of geology and oil and gas potentials of western Uzbekistan and the Kara-Kalpak A. S. S. R.] Voprosy geologii i neftegazonosnosti Zapadnogo Uzbekistana i Karakalpakii; tretyi vyezdnoi sessii otdelenia geologicheskikh nauk AN UzSSR v g. Bukhara. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1962. 167 p.

UZBEKISTAN—GEOLOGY, STRATIGRAPHIC

Some problems of the stratigraphy of Quaternary sediments in Uzbekistan. V. I. Eliseev. Bul. Kom. chetiv. per. no. 27:154-158 '62.

Using the refraction prospecting method for determining the depth of occurrence of the surface of the Paleozoic basement and its lithological divisions. T. Ergeshev, Sh. Z. Musayev. Uzb. geol. zhur. 7 no. 1:40-44 '63.

UZBEKISTAN—HARDBOARD

Transformation of waste products. V. Bronovitskii. Nar. khoz. Uzb. 4 no. 1:19-20 Ja '63.

UZBEKISTAN—HISTORICAL RESEARCH

In the Institute of History and Archaeology of the Academy of Sciences of the Uzbek S. S. R. E. A. Dzeva. Obshchestv. nauki v Uz. 7 no. 3:54 '63.

UZBEKISTAN—HISTORY

Akademika nauk Uzbekskoi SSR. Tashkent, Muzei istorii Uzbekskoi SSR. [Materials on the history of Uzbekistan] Materialy po istorii Uzbekistana. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1963. 136 p.

UZBEKISTAN—INDUSTRIAL CAPACITY

Capital assets and productive capacity of industrial enterprises. B. Elisavetskii. Nar. khoz. Uzb. 5 no. 2:55-59 F '63.

UZBEKISTAN—INDUSTRIAL MANAGEMENT

Business executive's creative activity and initiative. Nar. khoz. Uzb. 5 no. 2:3-7 F '63.

Strive for the Lenin touch in management. Nar. khoz. Uzb. 5 no. 4:3-7 Ap '63.

UZBEKISTAN—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Drafts of future enterprises. B. Aleksandrov. Nar. khoz. Uzb. 4 no. 1:39 Ja '63.

UZBEKISTAN—INDUSTRIAL PROCUREMENT

Material balance and production. V. Skrebnev. Nar. khoz. Uzb. 4 no. 1:22-25 Ja '63.

UZBEKISTAN—INDUSTRIES

Employ potentials to serve the seven-year plan. Nar. khoz. Uzb. 5 no. 4:8-44 Ap '63.

Thirty-four important construction projects. Nar. khoz. Uzb. 5 no. 4:62-63 Ap '63.

UZBEKISTAN—IRRIGATION CANALS AND FLUMES

The cheapest canal lining. L. Shamrai. Nar. khoz. Uzb. 5 no. 2:77-78 F '63.

UZBEKISTAN—JAWS—CANCER

Symptomatology and clinical aspect of cancer of the jaw according to data of the Oncological Dispensary Uzbekistan. K. D. Musayev. Med. zhur. Uzb. no. 8:24-28 Ag '62.

UZBEKISTAN—JOURNALISM

Always searching. Z. Esenbaev. Sov. pech. no. 43-44 Mr '63.

UZBEKISTAN—LABOR AND LABORING CLASSES—EDUCATION

Tighten the tie between propaganda and life. V. Drobyshev, G. Liubimov. Komm. Uz. 35 no. 3:67-74 Mr '63.

UZBEKISTAN—LIBRARIES AND READERS

Literature on economics for cotton growers. I. A. Kelshteln. Bibliotekar' no. 4:19-20 Ap '63.

UZBEKISTAN—MOTION PICTURES

Motion picture about a Communist Youth League hero. D. Polinin. Uzbekiston 21 no. 12:25 D '62.

UZBEKISTAN—MUSIC

From the editors. Sov. muz. 27 no. 2:107-110 F '63.

A matter of state importance. Sabir Babaev. Sov. muz. 27 no. 2:104-107 F '63.

UZBEKISTAN—PENSIONERS

Cotton grower retires. M. Sherman. Uzbekiston 21 no. 12:10 D '62.

UZBEKISTAN—PETROLEUM—TRANSPORTATION

Delivery of petroleum should be organized on an efficient basis. V. Avnapov. Nar. khoz. Uzb. 5 no. 2:72 F '63.

UZBEKISTAN—PETROLEUM GEOLOGY

Akademiya nauk Uzbekskoi SSR, Tashkent, Institut geologii i razrabotki neflianykh i gazovykh mestorozhdenii. [Problems of geology and oil and gas potentials of western Uzbekistan and the Kara-Kalpak A. S. S. R.] Voprosy geologii i neftegazonosnosti Zapadnogo Uzbekistana i Karakalpakii; trudy vyezdnoi sessii otdeleniia geologicheskikh nauk AN UzSSR v g. Bukhara, Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR, 1982, 167 p.

The fifth year of the seven-year plan. Nar.khoz, Uzb, 5 no.2:15,18 F '83.

UZBEKISTAN—PHOSPHATES

Ammonium-enriched superphosphate. R. N. Ivanov. Priroda 52 no.4:62-63 '83.

UZBEKISTAN—PIONEERS (COMMUNIST YOUTH)

Fortieth anniversary of youth. V. Tsurikov. Uzbekiston 21 no.5:14 My '82.

UZBEKISTAN—POLITICS AND GOVERNMENT

Kommunisticheskaya partiya Uzbekistana, 10. s'ezd, Tashkent, 1981. [Resolutions of the 10th Congress of the Communist Party of Uzbekistan, Sep. 26-27, 1981] Rezolyutsii XVI s'ezda, 25-27 sent. 1981 g. Tashkent, Gosizdat Uzbekskoi SSR, 1981, 44 p.

(CST-II)

Observer's notes. Uzbekiston 21 no.5:3 My '82.

UZBEKISTAN—PRECAST CONCRETE CONSTRUCTION

Concrete without cement? This is possible! A. Zakharova, V. Zvereva. Nar.khoz, Uzb, 5 no.2:43-46 F '83.

UZBEKISTAN—PRESS

Observer's notes. Uzbekiston 21 no.5:3 My '82.

UZBEKISTAN—PUMPING STATIONS

Preferential rates for electric power used for drainage and irrigation pumping units. B. P. Kurbanov. Gidr. i mel. 15 no.3:45-47 Mr '83.

UZBEKISTAN—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

With an open heart. Kh. Shukurova. Uzbekiston 21 no.11:21 N '82.

UZBEKISTAN—RESEARCH

Keep pace with national economic development. M. Khamidkhanov. Nar.khoz, Uzb, 4 no.1:54-58 Ja '83.

UZBEKISTAN—RESINS, SYNTHETIC

Transformation of waste products. V. Bronovitskiy. Nar.khoz, Uzb, 4 no.1:10-20 Ja '83.

UZBEKISTAN—ROCKS—TESTING

Some physicochemical properties of coals and wall rocks in the Shargun coal deposit. F. M. Arifova. Uzb. geol. zhur. 7 no.1:26-33 '83.

UZBEKISTAN—RUSSIAN LANGUAGE—STUDY AND TEACHING

Rapoport, E. A. and A. S. Safarov. [The Russian language; textbook for Uzbek students in higher educational institutions] Russkii iazyk: uchebnoe posobie dlia studentov uzbekskikh grupp vuzov. Tashkent, Brednatsia i vysshaya shkola. Pt.1. [Phonetics and morphology] Fonetika i morfologiya. 1982, 274 p.

UZBEKISTAN—SAND-LIME PRODUCTS

Concrete without cement? This is possible! A. Zakharova, V. Zvereva. Nar.khoz, Uzb, 5 no.2:43-46 F '83.

UZBEKISTAN—SOCIALIST COMPETITION

Sadykova, N. [Socialist competition in the industries of Uzbekistan] Socialisticheskoe sorevnovanie v promyshlennosti Uzbekistana. Tashkent, Akad. nauk UzSSR, 1981, 106 p.

(NIC)

UZBEKISTAN—SOILS—FERTILIZERS AND MANURES

Effect of fertilizers on soils of the various improvement conditions. N. P. Malinkin. Zemledelie 25 no.1:65-70 Ja '83.

UZBEKISTAN—SOVIETS

Chudnovskii, E. [District soviets efficiently carry out the mandates of the voters] Raisovety - organizatory voploneniia nakazov izbiratelei. Tashkent, Gosizdat UzSSR, 1982, 29 p. (V pomoshch' deputatu raisoveta)

UZBEKISTAN—STATISTICS

[National economy of the Uzbek S. S. R. in 1981; brief statistical abstract] Narodnoe khoziaistvo Uzbekskoi SSR v 1981 godu; kratkii statisticheskii sbornik. Tashkent, Gosstatizdat, Uzb. otd-nie 1982, 227 p.

UZBEKISTAN—STUDENT ACTIVITIES

Guarding the frontier. E. Loltman, A. Mallants. Uzbekiston 21 no.5:22-23 My '82.

UZBEKISTAN—TEXTILE MACHINERY

Speeding the scientific and technological progress in the national economy. T. Kagramanov. Komm. Uz. 35 no.3:39-44 Mr '83.

UZBEKISTAN—THEATER

Meeting with Lopo de Vega. A. Sadovnikova. Uzbekiston 21 no.11:16 N '82.

UZBEKISTAN—TIN ORES

Genetic formations of tin deposits in the Zirabulak-Ziaetdin Mountains. Kh. N. Baimukhamedov. Uzb. geol. zhur. 7 no.1:5-14 '83.

UZBEKISTAN—WATER, UNDERGROUND—ANALYSIS

Akademiya nauk SSSR, Laboratoriya gidrogeologicheskikh problem. [Geochemistry of underground waters in certain regions of Turkmenia and Uzbekistan] Geo-khimiya podzemnykh vod nekotorykh raionov Turkmenii i Uzbekistana. Moskva, Izd-vo Akad. nauk SSSR, 1983, 96 p.

UZBEKISTAN—WATER RESOURCES DEVELOPMENT—FINANCE

Supply irrigation systems with norms for working capital. A. Ulanov. Fin. SSR 37 no.3:43-46 Mr '83.

UZBEKISTAN—WOMEN—EMPLOYMENT

Soviet women are active builders of communism. D. Ukhomova. Komm. Uz. 35 no.3:45-51 Mr '83.

UZBEKISTAN—WOMEN—RIGHTS OF WOMEN

The triumph of Lenin's idea of equal rights for women in the U. S. S. R. R. Sharafutdinova. Obshchestv. nauki v Uz. 7 no.3:5-11 '83.

VACATIONS, EMPLOYEE

Employees' vacations and work on holidays. B. Zhelez-nov, Okhr. truda i sots. strakh. no.4:37-38 Ap '83.

Replies to our readers. Sots. trud 8 no.4:133-139 Ap '83.

Rules which regulate the granting of three-day supplementary leave for continuous and uninterrupted work. G. Iamenfel'd. Sots. zakon. 39 no.7:77-78 Jl '82.

Supplementary leave. V. Dunalovskiy, V. Svirs'kiy. Rad. pravo no.2:93-94 Mr-Apr '83.

VACCINES

Comparative data on the determination of the concentration of the smallpox vaccine virus by titration in chicken embryos and tissue cultures. B. G. Archakov and others. Vop. virus. 7 no.6:731-734 N-D '82.

Cultivation and inactivation of the virus in the preparation of tissue vaccine for the prophylaxis of tick-borne encephalitis [with summary in English]. B. F. Semenov, P. S. Korasova, A. I. Rezapova. Vop. virus. 7 no.6:654-657 N-D '82.

Resistance of the foot-and-mouth disease and influenza viruses to desiccation by the pulverization method [with summary in English]. E. E. Nikitin, A. G. Vladimirov, V. A. Sergeev. Vop. virus. 7 no.6:719-723 '82.

VACUUM APPARATUS

Adjustment of the vacuum chamber and pumping system of the 7 bev. proton synchrotron. K. K. Onosovskii. Prikl. tekhn. eksp. 7 no.4:52-54 Jl-Ag '82.

Modernization of vacuum apparatus. V. M. Shegolev. Khar. prom. no.1:61 Ja-Mr '83.

Vacuum system of the 7 bev. proton synchrotron. I. F. Malyshov and others. Prikl. tekhn. eksp. 7 no.4:46-51 Jl-Ag '82.

VACUUM APPARATUS—TESTING

Testing vacuum deaerators with a jet spraying system. A. A. Mamakov, P. V. Epifanov, A. A. Erofeev. Trudy MNTIP 2:87-95 '82.

VACUUM METALLURGY

Making steel and alloys in vacuum furnaces. V. G. Kapel'nitskii and others. Stal' 23 no.4:325-328 Ap '83.

Prospects for the use of vacuum steam-ejector pumps in metallurgy. A. B. Tseitlin. Stal' 23 no.4:374-377 Ap '83.

Use of a steam ejector pipe for the vacuum treatment of steel in the ladle. G. K. Petukhov, V. S. Sorokin. Stal' 23 no.4:377-378 Ap '83.

VACUUM TECHNOLOGY

Experiments on electron beam welding in vacuum $1 \cdot 10^{-1}$ to $1 \cdot 10^{-2}$ mm rt. st. O. K. Nazarenko, A. G. Povod, N. N. Leonov. Avtom. svar. 16 no.3:88-89 Mr '83.

VACUUM-TUBE VOLTMETER see Electron-tube voltmeter

VACUUM-TUBES see Electron tubes

VAGNER, GENRIKH

Anger and lyricism. T. Sheherbakova. Sov. muz. 27 no.3:23-25 Mr '83.

VAGUS NERVE

Changes in the cardiac output, cardiac work and peripheral resistance in acute disorder of coronary circulation in normal and vagotomized animals [with summary in English]. A. V. Dokukin. Kardiologiya 2 no.3:21-25 My-Je '82.

Effect of a necrotized tissue on the conduction of excitation in the vagus nerve. G. E. Samonina. Nauch. dokl. vys. shkoly; biol. nauki no.2:69-71 '83.

VAKHRAEVEV, IVAN IVANOVICH

First lieutenant of the Soviet Navy. N. Badoev. Sov. voen. 45 no.3:32 F '83.

VAKHSH RIVER—COFFERDAMS

Initial cofferdamming of the Vakhsh River in construction of the Golovnaya Hydroelectric Power Station. V. G. Ivanov. Gidr. stroi. 33 no.2:23-26 F '83.

VAL'DENBERG, ISAAK IAKOVLEVICH

Creative collaboration; remarks on the exhibition of works by I. A. Val'denberg and D. V. Ushakov. M. Miunts. Iskusstvo 25 no.12:37-43 '82.

VALKI DISTRICT—STOCK AND STOCKBREEDING

Potentials for increasing the production of livestock products. M. Turchenko. Ekon. Rad. Ukr. no.2:52-55 Mr-Apr '83.

VALMIERA—GUIDEBOOKS

Kampars, P., and Liepnieks. [Valmiera; guidebook for Valmiera and its vicinity] Valmiera; turisma celvedis pa Valmieru un tas apkarti. Riga, Latvijas Valsts izdevnieciba, 1982, 112 p.

VALVES

Make precise determinations of the design and dimensions of valves. A. P. Usov. Stroi. truhoprov. 8 no.4:26 Ap '83.

VALVES—TESTING

Testing springs. P. Voronov. Sal'. mekh. no.1:22 Ja '83.

VAN ALLEN RADIATION BELTS

Results of experiments with three-electrode charged particle traps in the second radiation belt and in the outermost belt of charged particles. K. I. Gringauz and others. Isk. sput. Zem. no.15:92-97 '83.

Shabanskii, V. P., ed. [Earth's radiation belts. Translated from the English] Radiatsionnye polosa Zemli. Moskva, Izd-vo inostr. lit-ry, 1982, 208 p. (Problemy astronomii i geofiziki)

VAN BREEMEN, JAN FRANS LEONARD, 1874-1961

History of the foundation and development of the International League Against Rheumatism (in memory of its founder Jan van Breemen). G. M. Danilshchikov. Vop. revn. 1 no.2:81-83 Ap-Je '81.

VANADIUM IODIDES

Vanadium triiodide. T. A. Tolmacheva, V. M. Tsintaus, L. V. Andrianova. Zhur. neorg. khim. 8 no.3:553-559 Mr '83.

VANADIUM-NIOBIUM ALLOYS see Niobium-vanadium alloys

VANCEVICIUS, HENRIKAS

Relay race of generations; portrait of the stage-director H. Vancevicius. M. Petuchauskas. Teatr 24 no.3:49-55 Mr '83.

VANDA, LAKE, ANTARCTICA—TEMPERATURE

Mystery of an Antarctic lake. V. I. Bardin. Priroda 52 no.4:112-113 '83.

VANINO—COASTWISE NAVIGATION

Specialization of coastwise sea transportation between Sakhalin and the mainland. A. Filatov. Mor. flot 23 no.1:6-8 Ja '83.

VANIUSHIN, V.

"Second life" by V. Vaniushin. Reviewed by A. Novikov. Mol. komm. no.2:125-127 F '83.

VAPOR PRESSURE—MEASUREMENT

Standard method for the determination of saturated vapor pressure. M. A. Peshkin. Standartizatsia 27 no.3:39-40 Mr '83.

VARIABLE STARS see Stars, Variable

VARIATION (BIOLOGY)

Effect of high-energy protons on the frequency of mutations [with summary in English]. I. A. Rapoport, S. P. IArmonenko, G. A. Avrunina. Probl. kosm. biol. 2:370-387 '82.

Molecular mechanisms of chemical mutagenesis. V. N. Krylov. Zhur. VKHO 8 no.1:46-55 '83.

Mutagenic activity of antiparticles [with summary in English]. I. A. Rapoport, A. V. Miller. Probl. kosm. biol. 2:358-369 '82.

Nucleic acids and variability of microorganisms. V. D. Timakov. Vest. AMN SSSR 17 no.12:38-49 '82.

Sciences control the nature of plants. Zemledelie 25 no.1:87-89 Ja '83.

VARIATION OF LATITUDE see Latitude variation

VARNISH AND VARNISHING

Possibilities of using polyurethane varnishes. Der. prom. 12 no.2:3.3 of cover F '83.

VASILENKO, PETR IVANOVICH, 1892-

Seventieth birthday of Petr Ivanovich Vasilenko. Gidr. stroi. 33 no.2:62 F '83.

VASIL'EV, GEORGI NIKOLAEVICH, d. 1946

Brothers Vasil'ev, L. Parfenov. Isk. kino 33 no.3:105-114 '83.

VASIL'EV, SERGEI DMITRIYEVICH, d. 1959

Brothers Vasil'ev, L. Parfenov, Isk. kino 33 no. 3: 105-114 '63.

VASIL'KOV DISTRICT—AGRICULTURAL ADMINISTRATION

First steps of a party committee. Pavlo Polynskiy. Ukraina no. 5:8 Mr '63.

VASIL'YEVSKIY DISTRICT (ZAPOROZH'YE PROVINCE)—FINANCE

How we strengthen rural budgets. P. Vasil'chenko. Fin. SSSR 37 no. 4:60 Ap '63.

VASODILATORS

Erlinit treatment of patients with chronic coronary insufficiency [with summary in English]. Sov. med. 26 no. 1:21-23 Ja '63.

VASOMOTOR NERVOUS SYSTEM see Nervous system, Vasomotor

VATICAN COUNCIL, 1963-

Through harmony of opinion: on the first session of the Second Vatican Council (to be concluded). A. Vederikov. Zhur. Mosk. Patr. no. 3:64-69 Mr '63.

VAUDEVILLE

Conversations of Smirnov-Sokol'skii. D. Zolotnitskii. Teatr 24 no. 3:73-80 Mr '63.

VAVILOV, NIKOLAI IVANOVICH, 1887-1942

N. I. Vavilov as a geographer. E. N. Sinikala. Izv. Vses. geog. ob-va 95 no. 1:23-31 Ja-F '63.

VECTOR ANALYSIS

Elements of vector algebra in secondary schools. I. V. Naum. Mat. v shkole no. 2:56-59 Mr-Apr '63.

Some properties of vector vibrational potentials. D. Z. Avetisyan. Trudy GPI (Gruz.) no. 8:20-34 '61.

Studying the elements of vector algebra in secondary schools. V. F. Kotov, K. F. Mikhailov. Mat. v shkole no. 2:50-64 Mr-Apr '63.

Vectors in a high school mathematics course. A. A. Lobeeva. Mat. v shkole no. 2:64-66 Mr-Apr '63.

VEDERNIKOV, ALEKSANDR

Aleksandr Vedernikov. L. Pollakova. Sov. muz. 27 no. 4:80-90 Ap '63.

VEGA CARPIO, LOPE FELIX DE, 1602-1635

Meeting with Lope de Vega. A. Sadovnikova. Uzbekiston 21 no. 11:16 N '62.

True folk art is eternal. Z. Plavskii. Kul't. i zhizn' 6 no. 11:42-44 '62.

VEGETABLE GARDENING

(see also subdivision under Moldavia; Tashkent region)

How we mechanize vegetable gardening. M. D. D'ikonov. V. A. Lastovenko. Mekh. sl. hosp. 14 no. 2:27-29 F '63.

Taranov, V. V. [Vegetable growing for canning]. Vysshichivanie ovoshchei dlia konservirovaniia. Leningrad, Sel'khozizdat, 1962. 179 p.

(DNAL)

Your kitchen garden. Rab. i stal. 39 no. 4:24 Ap '63.

VEGETABLE GARDENING—LABOR PRODUCTIVITY

Using the index method in analyzing labor productivity in vegetable growing. D. N. Pis'mennii. Dokl. TSKhA no. 68:190-200 '61.

VEGETABLE JUICES

Manufacture of fruit, berry and vegetable juices and powders. K. I. Danilov. Khim. prom. no. 1:77-83 Ja-Mr '63.

VEGETABLES

Vyshechepan, A. G., M. E. Mel'man, and D. A. Nazarov. [Commercial study of vegetables, fruit and wine]. Tovarovedenie ovoshchei dlia konservirovaniia. Leningrad, Sel'khozizdat, 1963. 303 p.

VEGETABLES—DISEASES AND PESTS

Possible use of carbofenthion. I. M. Pollakov. Zashch. rast. ot vred. i bol. 6 no. 11:30-32 N '61.

VEGETABLES—STORAGE

Storing potatoes and vegetables in snow. V. D'achenko. Sov. ptreb. koop. 7 no. 2:58-59 F '63.

VEGETATION AND CLIMATE see subdivision under Crimea

VEL'AMINOV, NIKOLAI ALEKSANDROVICH, 1955-1920

"N. A. Vel'aminov" by V. M. Korneev. Reviewed by A. S. Georgievskii. B. M. Petulov. Sov. med. 26 no. 1:164-166 Ja '63.

VELIKIY USTYUG—CHURCH DECORATION AND ORNAMENT

Church gates from Velikiy Ustyug. F. Morozov. Soob. Gos. Erm. no. 23:24-26 '62.

VELIKIY USTYUG—MOTION PICTURES IN EDUCATION

Teacher shows a motion picture. I. Brusenskii. Nar. obr. no. 4:85-86 Ap '63.

VENA CAVA—LIGATION

Ligation of the inferior vena cava above the junction with the renal veins. F. Sh. Sharafislamov. Kaz. med. zhur. no. 5:30-32 S-O '62.

VENEZUELA—PETROLEUM INDUSTRY

People and oil of the "small Venice." Edmund Osman-czyk. Ogonek 41 no. 15:4-5 Ap '63.

VENEZUELA—POLITICS AND GOVERNMENT

Crisis of the antinational regime in Venezuela. R. Tuch-nin. Mir. ekon. i mezhdunar. otn. no. 2:100-102 '63.

People and oil of the "small Venice." Edmund Osman-czyk. Ogonek 41 no. 15:4-5 Ap '63.

VENTILATION

Temperature characteristics of a room. L. I. Ginzburg. Vod. i san. tekhn. no. 4:30-31 Ap '63.

VENTILATION—EQUIPMENT AND SUPPLIES

"Heating, ventilation and air conditioning; equipment, accessories and materials." Biol. stol. tekhn. 20 no. 4: 8-9 Ap '63.

VENUS (PLANET)—SPECTRA

Preliminary data on the spectra of Venus in 5200-3600 Å wave length. T. A. Polozhentseva. Astron. teir. no. 23:24-6 D '62.

VENUS PROBES

Mysterious planet. V. Vasil'ev. Grazhd. av. 20 no. 3: 14-15 Mr '63.

VERESHCHAGIN, VASILII VASIL'EVICH, 1842-1904

Volodarskii, V. M. Vasilii Vasil'evich Vereshchagin. Leningrad, Khudozhnik RSFSR, 1962. 28 p. Illus. (Narodnaya biblioteka po iskusstvu)

VERKHNE-CHIRCHIKSKIY DISTRICT—COLLECTIVE FARMS—MANAGEMENT

Analyzing annual reports. I. Ladushkin. Nar. khoz. Uzb. 5 no. 4:75-78 Ap '63.

VERKHOTUR'YE REGION—FOREST REPRODUCTION

Natural regeneration of some types of Siberian pine stands in the Verkhotur'ye Forest Working Circle. O. V. Gushingina. Trudy Ural. lesotekh. inst. no. 17: 112-115 '60.

VERMICULITE

(see also subdivision under Azov Sea region)

Alternation of layers in composite laminar structures of vermiculite - biotite. I. S. D'ikonov. Kristallografiia 7 no. 6:878-881 N-D '62.

VERNADSKII, VLADIMIR IVANOVICH, 1803-1945

Explorers of the unknown. G. Pomerantseva. IUn. tekhn. 7 no. 4:76-78 Ap '63.

Gumilevskii, L. I. Vernadskii, [Moskva] Molodala gvardiia, [1961] 318 p. (Zhizn' zamechatel'nykh liudel. Seriya biografiia, no. 11[325])

Scientists and thinker; the 100th anniversary of the birth of V. I. Vernadskii. A. E. Ferman and others. Priroda 52 no. 3:40-60 '63.

Through the long years; N. A. Rubakin's letters to V. I. Vernadskii. A. G. Chernov. Priroda 52 no. 4:73-74 '63.

V. I. Vernadskii; on the one-hundredth anniversary of his birth. S. I. Plotkin. Khim. v shkole 18 no. 2:11-14 Mr-Apr '63.

Vladimir Ivanovich Vernadskii; on the occasion of his 100th birthday anniversary. I. U. S. Musabekov. Vest. vys. shkoly 21 no. 3:81-87 Mr '63.

Vladimir Ivanovich Vernadskii; on the 100th anniversary of his birth. Geol. zhur. 23 no. 1:3-8 '63.

Vladimir Ivanovich Vernadskii; on the 100th anniversary of his birth. I. E. Starik. Ukr. khim. zhur. 29 no. 3: 235-244 '63.

VERTERATES see subdivision under Stavropol Territory; Volgograd Province

VESELAYA LOPAN'—DISTILLING INDUSTRIES—BY-PRODUCTS

Manufacture of baker's yeast and edible carbon dioxide in the Veselaya Lopan' Distillery. N. I. Ignatenko. Spirt. prom. 29 no. 3:47 '63.

VESTIBULAR APPARATUS

Vestibulometry and oxymetry in hypertensives. A. A. Kravchenko, B. I. Mironov, V. I. Balashov. Trudy MONIKI no. 5:115-131 '62.

VETERINARY ANATOMY

Akoevskii, A. I. [Anatomy of domestic animals]. Anatomia domashnykh zhivotnykh. Moskva, Sel'khozizdat, 1962. 591 p. (Uchebniki i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii)

VETERINARY ANATOMY—ATLAS

Popecko, Peter. [Atlas of the topographical anatomy of farm animals. Translated from the Slovak]. Atlas topografichesko anatomi sel'skokhoziaistvennykh zhivotnykh. Bratislava, Slovenske Izd-vo sel'khoz. lit-ry, Vol. 2. [Trunk] Tulovishche. 1962. 200 p.

VETERINARY HYGIENE

How we reduced the volume of rejected by-products. A. Sandler. Mias. ind. SSSR 34 no. 1:52-53 '63.

Raise the sanitary level of production and improve the quality control of meat and meat products; review of reports presented at the scientific conference on veterinary sanitation and inspection in the meat and dairy industry. Mias. ind. SSSR 34 no. 1:16-18 '63.

VETERINARY MATERIA MEDICA AND PHARMACY

Antibiotic properties of sodium norsulfazole. T. S. Kado-shnikova. Trudy Kras. SKH 3 no. 1:30-32 '59.

VETERINARY MEDICINE—ABSTRACTS

[Animal husbandry. Veterinary medicine] Ref. zhur.: Zhiv. Vet. nos. 3, 9-10 F, My '63.

VETERINARY SURGERY

Histological and functional characteristics of skin grafts which have taken on wounds and ulcers resulting from burns in animals. I. I. Smetberg. Trudy Kras. SKH 3 no. 1:116-120 '59.

VIBRATED CONCRETE

Kunnos, G. J., and A. M. Skudra. [Theory and practice of the vibration mixing of concrete] Teoriia i praktika vibromeshivaniia betonnykh smesol. Riga, Izd-vo Akad. nauk Latvinskoi SSR, 1962. 216 p.

VIBRATION

Intensification of some processes in the chemical industry by means of vibration. S. Bretsznjdor, M. Jaszcak, W. Pauluk. Khim. prom. no. 3:211-217 Mr '63.

Nonlinear vibrating systems with random parameters. V. H. Kolomiets. Prikl. mekh. 9 no. 3:329-330 '63.

Nonlinear vibrations in the presence of small resistance forces proportional to the speed [with summary in English]. M. H. Bondar. Prikl. mekh. 9 no. 3:233-243 '63.

Vibration method of sinking pilings, sheet piling, pipes, boring holes, and breaking soil. D. D. Barkan. Sbor. trud. MESI no. 39:155-166 '61.

VIBRATION—MEASUREMENT

Device IChMk-1-2-3 for measuring the frequency of mechanical vibrations in the refractories industry. B. S. Polunovskii. Met. i gornorud. prom. no. 1:82 Ja-F '63.

VIBRATION—PHYSIOLOGICAL EFFECT

Let's join our efforts in the struggle against vibration sickness. A. Makhovich, V. Andrianov. Okh. truda i sots. strakh. 6 no. 3:6-8 Mr '63.

VIBRATION (THERAPEUTICS)

Stimulation in comprehensive treatment of poliomyelitis sequelae [with summary in English]. L. M. Smir-nina. Vrach. delo no. 3:86-89 Mr '63.

VIBRATORS

Design of a feeder with an electric vibrator of high amplitude. I. M. Farnukovskii. Obog. rud 7 no. 2:34-36 '62.

Knapper, M. A. [Mechanization of the conveying and feeding of parts by means of vibratory devices]. Mekhanizatsiia transportirovaniia i zgruzki detaliei vibratsionnykh ustroistvami. Minsk, Gos. izd-vo BSSR, 1962. 70 p.

Methods of calculating the torsional elastic system of resonance vibration machines. A. I. Makarov. Obog. rud 7 no. 5:46-48 '62.

Unsteady radiation from thin linear vibrators. V. N. Krashtnikov. Probl. dif. i mepr. voln 2:111-131 '62.

VIBRATORS—ELECTRIC DRIVING

Power losses in the idle running of electric motors on vibration machines. G. I. Malyshev, V. I. Pollakov. Obog. rud. 7 no. 4:39-41 '62.

VIBRATORS—FOUNDATIONS

Insulating foundations of vibrators. A. A. Zhavoronkov. Transp. stroit. 13 no. 4:83-84 Ap '63.

VICTORIA LAND

Largest oasis of the Antarctic. K. K. Markov. Priroda 52 no. 3:111-112 '63.

VICTORIA REGINA see subdivision under Kiev

VIDEO TAPE RECORDERS AND RECORDING

Modulator-demodulator for television video magnetic tape recorder systems [with summary in English on p. 86]. V. F. Vorob'ev, A. A. Rikken. Tekhn. kino i telev. 7 no. 4:11-18 Ap '63.

VIENNA—MUSIC HALLS (VARIETY THEATERS, CABARETS, ETC.)

Herr Karl and politics. M. B. Teatr 24 no. 4:159-160 Ap '63.

VIENNA—OPERA

"Lulu" by Alban Berg. M. Rubin. Sov. muz. 27 no. 4: 131-132 Ap '63.

VIETNAM, NORTH—CITRUS FRUIT

Biological characteristics of fruit-bearing shoots of citrus plants. Bui Qui Dap, Nguyen Khau Thuk. Bot. zhur. 48 no. 3:443-448 Mr '63.

VIETNAM, NORTH—FOREIGN ECONOMIC RELATIONS RUSSIA

Trade and economic cooperation between the U. S. S. R. and the Democratic Republic of Vietnam [with summary in appendix]. M. Boteln, A. Miliukov, P. Norenkov. Vnesh. torg. 43 no. 3:3-6 '63.

VIETNAM, NORTH—POLITICS AND GOVERNMENT

Mazaev, A. G. [Government machinery of the Democratic Republic of Vietnam] Gosudarstvennyi stroi Demokraticheskoi Respubliki V'etnam. Moskva, Gosturizdat, 1963. 84 p. (Gosudarstvennyi stroi stran mira)

VIETNAM, NORTH—TEA

Tanning materials in the raw tea of the Democratic Republic of Vietnam. K. M. Dzhemukhadze, L. F. Milesko. Biokhim. zhurn. no. 0:61-63 '62.

VIETNAM, SOUTH—BUDGET

Under the domination of American monopolies. V. Rastorguev. Fin. SSSR 37 no. 4:84-90 Ap '63.

VIETNAM, SOUTH—ECONOMIC ASSISTANCE, AMERICAN

Under the domination of American monopolies. V. Rastorguev. Fin. SSSR 37 no. 4:84-90 Ap '63.

VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN

Justice will prevail. Nguyen-thai-Binh. Az. i Afr. seg. no. 4:32 Ap '63.

VIETNAMESE TALES see Tales, Vietnamese

VILEYKA DISTRICT—SWINE—FEEDING AND FEEDS

Liaison has returned from Moscow. Ianka Kazlou. Belarus' 20 no. 4:14 Ap '63.

VILLAGES see subdivision under Ukraine

VILNIUS—CHAMBER ORCHESTRA

Orchestra of the Vilnius School of Arts. Georgii Pollanovskii. Sov. muz. 27 no. 4:98-99 Ap '63.

VILNIUS—LIBRARIES

Vilna, Universitetas. Mokslinė biblioteka. [Old Lithuanian books in Vilna University; Bibliographical index of publications prior to the 19th century] Senoji lietuviška knyga Vilniaus universiteto; leidiniai iki 1800 m. bibliografinis rodiklis. Vilnius, 1959. 130 p. [In Lithuanian]

VILNIUS—TELEGRAPH

Work practices in the central telegraph exchange of Vilnius. A. A. Valua. Vest. aviast. 23 no. 4:17 Ap '63.

VILLON, FRANÇOIS, b. 1431

François Villon and folk-Gothic art. L. Plusskii. Vop. lit. 7 no. 2:135-152 F '63.

VILONOV, NIKIFOR EFREMOVICH, 1883-1910

V. I. Lenin and the Russian worker-philosopher. N. E. Vilonov. I. A. Kogan. Vop. filol. 17 no. 4:47-53 '63.

VILSKOVO—SOCIAL LIFE AND CUSTOMS

At the sources of new social customs. D. Kosaryk. Nar. tvorch. ta etn. 0 no. 4:153-155 O-D '62.

VINCANINE

Structure of vincanline. P. A. Iuldashev, S. I. Iunusov. Uzb. khim. zhur. 7 no. 1:44-49 '63.

VINCETOXICUM

Biological characteristics of Vincetoxicum officinale. E. S. Leskovy. Bot. zhur. 40 no. 2:255-258 F '63.

VINEGAR—MICROBIOLOGY

Lolitsanskaya, M. S. [Microbiological foundations of the production of vinegar] Mikrobiologicheskie osnovy proizvodstva ukusov. Moskva, Tsentr. in-t nauchno-tekhn. informatsii pishchevol. promyshl., 1962. 35 p. [MICROFILM]

VINNITSA—EDUCATION, COOPERATIVE

Let's improve the industrial training of students. N. N. Pospelov. Shkola i prolzv. 7 no. 2:26-28 F '63.

VINNITSA—THEATER

In Vinnitsa. N. Smolitskaya. Tentr 24 no. 3:56-59 Mr '63.

VINNITSA PROVINCE—AGRICULTURAL COURTS AND PROCEDURE

"In the name of the Soviet people." S. Horvyts', V. Mandel'. Rad. pravo no. 3:45-47 My-Je '62.

VINNITSA PROVINCE—AUDITING AND INSPECTION

Supplement bank audits by inspecting enterprises on the spot. V. Gotsatshuk. Den. i kred. 21 no. 4:52-54 Ap '63.

VINNITSA PROVINCE—BANKS AND BANKING

Supplement bank audits by inspecting enterprises on the spot. V. Gotsatshuk. Den. i kred. 21 no. 4:52-54 Ap '63.

VINYL ACETATE

Determination of the composition of crude vinyl acetate derived from carbide acetylene. V. A. Balandina and others. Plast. massy no. 4:64-65 '63.

Synthesis and conversions of vinyl ethers of ethanalamines. Report No. 14: Reaction of vinyl ether of monoethanolamine with vinyl acetate. M. F. Shostakovskii, I. A. Cherkasova, I. V. Lipovich. Izv. AN SSSR, Otd. khim. nauk no. 3:532-535 Mr '63.

VINYL ACETATE POLYMERS—CONGRESSES

Second All-Union Coordination Conference on Polyvinyl Acetate Plastics. K. P. Przhialkovskaya. Plast. massy no. 3:74-75 '63.

VINYL ALCOHOL POLYMERS

Physicochemical properties of crosslinked polyvinyl alcohol. B. I. Aikhodzhaev, N. Inolatov, A. Sharipdzhanov. Uzb. khim. zhur. 7 no. 1:40-43 '63.

VINYL ALCOHOL POLYMERS—ABSORPTION SPECTRA

Changes in the absorption spectra of aqueous solutions of iodopolyvinylpyrrolidinone and iodopolyvinyl alcohol in the process of their dialysis. V. O. Mokhnach, I. P. Zueva. Zhur. neorg. khim. 8 no. 3:665-671 Mr '63.

VINYL COMPOUND POLYMERS

Effect of the type of plasticization of polyvinyl chloride on its physical properties [with summary in English]. I. N. Razinskaya, B. P. Shtarkman. Vysokom. soed. 5 no. 3:393-395 Mr '63.

Synthesis and conversions of vinyl ethers of ethanalamines. Report No. 15: Polymerization of vinyl ethers of ethanalamines. I. A. Cherkasova, I. V. Lipovich, M. F. Shostakovskii. Izv. AN SSSR, Otd. khim. nauk no. 3: 535-540 Mr '63.

VINYL COMPOUND POLYMERS—DENSITY

Pycnometric method for the determination of the density of powdered polyvinyl chloride. V. L. Balakirskaya, B. P. Shtarkman. Plast. massy no. 4:63-64 '63.

VINYL POLYMERS

Effect of certain disintegrating agents on poly(vinyl chloride) anticorrosion coatings. V. G. Ben'kovskii, T. M. Bogoslovskaya, E. A. Drizo. Trudy Inst. nefi AN Kazakh. SSSR 4:148-154 '61.

Effect of water and electrolyte solutions on poly(vinyl chloride) anticorrosion coatings. V. G. Ben'kovskii, T. M. Bogoslovskaya, E. A. Drizo. Trudy Inst. nefi AN Kazakh. SSSR 4:156-167 '61.

Efficient formula for the decorative polyvinyl chloride wet coating providing for the optimum spraying conditions. E. S. Rabinovich. Leh. prom. no. 1:46-47 Ja-Mr '63.

VIOLIN—COMPETITIONS see subdivision under Poznan

VIOLONCELLO—STUDIES AND EXERCISES

Remarks on the training of cellists. B. Burlakov, M. Rostropovich. Sov. muz. 27 no. 2:69-72 F '63.

VIRGIN TERRITORY—AGRICULTURE

Role of the reclamation of virgin lands in the development of Soviet society. A. A. Amvrosov. Uch. zap. kaf. dial. i ist. mat. no. 3:51-64 '63.

VIRGIN TERRITORY—COMMUNITY CENTERS

Helpers in the battle for a good harvest. Zh. Seksimbaev, V. Goncharenko. Klub 12 no. 10:12-13 O '62.

VIRGIN TERRITORY—CRIMINAL INVESTIGATION

Noble duty. A. Popov. Sots. zakon. 39 no. 7:61-62 Ji '62.

VIRGIN TERRITORY—DISABILITY EVALUATION

Good initiative. S. Ivanov. Sots. obesp. 24 no. 3:39 Mr '63.

VIRGIN TERRITORY—EARTHWORK

Digging trenches in water-soaked soil on the route of water lines in the Virgin Territory. R. D. Gabelata. Stroi. truboprov. 8 no. 4:21 Ap '63.

VIRGIN TERRITORY—FARM MECHANIZATION

A question of honor of the workers and farmers of Virgin Territory. Agitator no. 14:7-8 Ji '62. Welcome, the city of Helsinki! V. Dubinin. Mol. komm. no. 7:10-11 Ji '62.

VIRGIN TERRITORY—FARM MECHANIZATION—STUDY AND TEACHING

Unjustified optimism. D. Popel'. Part. zhizn' Kazakh. 33 no. 3:27-30 Mr '63.

VIRGIN TERRITORY—POSTERS

Through the language of posters. M. Korotovskii. Koop. Kazakh. 5 no. 12:51-52 D '62.

VIRGIN TERRITORY—RESTAURANT, LUNCHROOMS, ETC.

Workers' lunchrooms for the state farm workers in the Virgin Territory. N. Glukhov. Obshchestv. pit. no. 1: 32 Ja '63.

VIRGIN TERRITORY—SALINE WATERS—DEMINERALIZATION

Demineralization of water by the method of natural freezing; from practices in the Virgin Territory. M. F. Mitin. Gidr. i mel. 15 no. 2:20-27 F '63.

VIRGIN TERRITORY—STATE FARMS—MANAGEMENT

New frontiers of the Virgin Territory. M. Tsybenko. Ekon. sel'khoz. 34 no. 3:7-15 Mr '63.

VIROLOGY—CONGRESSES

Virology at the Eighth International Congress of Microbiology. V. M. Zhdanov. Vop. virus. 7 no. 6: 755-756 N-D '62.

VIRUS DISEASES

Inclusion cytomegaly (its role in fetal and neonatal pathology). V. I. TSareva. Kaz. med. zhur. no. 5:74-81 S-O '62.

Role of nucleic acids in virus infections. A. S. Spirin. Vest. AMN SSSR 17 no. 12:35-38 '62.

VIRUS DISEASES OF PLANTS

Advice in agricultural virology. I. I. Vlasov. Zashch. rast. ot vred. i bol. 6 no. 6:36-37 Je '61.

Treatment of plants infected with viruses. A. E. Protzenko. Zashch. rast. ot vred. i bol. 6 no. 11:52 N '61.

VIRUS RESEARCH

Cellular strain from the kidney of an adult rabbit [with summary in English]. V. A. Solkin. Vop. virus. 7 no. 6:715-718 N-D '62.

Experimental study of the inactivation of enteroviruses in water by means of ultraviolet rays [with summary in English]. E. I. Lovtsevich. Vop. virus. 7 no. 6: 670-675 N-D '62.

Hereditary variability of viruses and bacteriophages under the action of radiation and chemical agents. A. S. Krivishii. Zhur. VKHO 3 no. 1:68-81 '63.

Isolation and cultivation of chicken pox and herpes zoster viruses in a tissue culture [with summary in English]. E. B. Gurvich. Vop. virus. 7 no. 6:706-712 N-D '62.

Use of the drip-laminar method in producing complement fixation reaction in experimental viral and rickettsial infections. A. I. AKovlev, V. A. Andreav. Lab. delo 9 no. 3:47-50 Mr '63.

VIRUSES

Changes in the dimensions of the cell nuclei of single-layer tissue cultures in the cytopathic action of viruses. I. A. E. Khazin. Vop. virus. 7 no. 6:543-549 N-D '62.

Classification and nomenclature of viruses. V. M. Zhdanov, S. I. Gaidamovich. Vop. virus. 7 no. 6: 749-754 N-D '62.

Classification of the Sendai virus in correlation with the difference of some biological properties in its variants. Khon Iun'-de [Hon Yun-té]. Vop. virus. 7 no. 6: 739-740 N-D '62.

More about classification of viruses. Vop. virus. 7 no. 6:746 N-D '62.

Multiplication of the measles virus and formation of plaques in a cell culture of cutaneous and muscular tissue of a mouse embryo [with summary in English]. S. A. Demidova. Vop. virus. 7 no. 6:697-700 N-D '62.

Role of intestinal viruses in the etiology of serious meningitis in Leningrad. Report No. 1: Isolation of viruses and serological studies in tissue cultures. V. P. Nikolaev. Vop. virus. 7 no. 6:742 N-D '62.

"Role of viruses in the development of tumors" by A. D. Timofeevskii. Reviewed by V. M. Bergol'ts. Vop. virus. 7 no. 6:747-748 N-D '62.

Study of influenza virus strains, type A2, by the use of hemagglutination retention reaction. A. I. Kir'ianova. Vop. virus. 7 no. 6:738 N-D '62.

Study of virusemia in muskrats in experimental inoculation with the Omsk hemorrhagic fever virus. T. N. Zakorkina. Vop. virus. 7 no. 6:742 N-D '62.

Use of the mixture method for the identification of enteroviruses. K. Kasimov, A. N. Pavlovich. Vop. virus. 7 no. 6:738-737 N-D '62.

VISCERA—DISEASES

Morphological changes in the internal organs during the immobilization of an extremity; an experimental study [with summary in English in insert]. V. M. Gordienko. Ortop. i travm. i protez. 23 no. 11:68-72 N '62.

VISCOSIMETER

Bridge circuit of a rotary viscosimeter with a synchronous pickup. P. A. Ivanov. Izv. tekhn. no. 3:59-61 Mr '63.

VISCOSIMETRY

Scientific papers of students completed in the Laboratory of Physical Chemistry. S. I. Rempel', Trudy Ural. lesotekh. inst. no. 17:81-86 '60.

Viscosity of liquid iron-carbon alloys. N. A. Vatolin, A. A. Vostriakov, O. A. Esin. Fiz. met. i metallurg. 15 no. 2:222-228 F '63.

VISCOSITY

Concentrated solutions of polymers. Part 3: Viscosity of polyisobutylene solutions in various solvents [with summary in English]. A. A. Tager, V. E. Dreval', F. A. Khasina. Vysokom. soed. 5 no. 3:432-439 Mr '63.

VISION

Concerning the transmissivity of a sight analyzer. M. A. Faermark. Svetotekhnika 9 no. 2:8-10 F '63.

Information losses in a visual analyzer depending on the character of fatigue [with summary in English]. M. P. Shek. Vop. psikh. 9 no. 1:111-113 Ja-F '63.

VISUAL AIDS

A school for designers of visual propaganda materials. Z. Ivanova. Agitator no. 9:30-32 My '63.

VITAMINS

Agents of life. R. Chahovets'. Nauka i zhytiia 12 no. 2: 38-39, 41 F '63.
Vitamin value of Warsaw baked products. N. N. Ershova. Khleb, i kond. prom. 7 no. 4:36-37 Ap '63.

VITAMINS-B₁ see Thiamine

VITAMINS-B₆ see Pyridoxine

VITAMINS-B₁₂ see Cyanocobalamin

VITAMINS-B_C see Folic acid

VITAMINS-C see Ascorbic acid

VITAMINS-D

Combined treatment in lupus tuberculous with phthivazide, streptomycin and vitamin D-2. I. N. Agapkin. Sov. med. 26 no. 1:123-128 Ja '63.
Effect of vitamin D on the activity of blood and bone alkaline phosphatase in albino rats on diets with various fat content [with summary in English]. K. K. Golikov. Ukr. biokhim. zhur. 34 no. 5:750-757 '62.

VITAMINS-E see Tocopherol

VITAMINS-M see Folic acid

VITAMINS-P

Effect of a vitamin P preparation from tea leaves on the respiration of tissues. L. E. Tomas. Blokhim. chain. protzv. no. 6:201-203 '62.
Effect of the introduction of a new technology in the tea industry of the Azerbaijan S.S.R. on the increase of the vitamin P value of black tea. K. I. Makhmudov. Blokhim. chain. protzv. no. 9:192-195 '62.

Physiological interaction between vitamins C and P and the hormones of the adrenal cortex. A. F. Shampai, O. M. Ivanova. Vrach. delo no. 3:29-33 Mr '63.
Use of vitamins P and C in stomatological practice. P. P. Limareva. Stomatologin 41 no. 5:9-9 S-O '62.

VITEBSK—STUDENT EMPLOYMENT

All students combine their studies with work in industrial enterprises; a photosketch. P. Nikitsin. Rab. i stal. 39 no. 2:2 F '63.

VITEBSK—TECHNOLOGICAL INNOVATIONS

Our heroic friends. M. Vadanosau. Belarus' 20 no. 4: 20-21 Ap '63.

VITEBSK—WOMEN IN PUBLIC LIFE

Let us march together, comrades! Alena Vasilevich. Rab. i stal. 39 no. 3:3-4 Mr '63.

VITICULTURE

(see also subdivision under Samarkand Province)
Inverted stratification of vine cuttings with stove heating. G. I. Ansh. Shkola i protzv. 7 no. 2:66-68 F '63.
New machinery for grape cultivation. A. Loktionov. Ekon. sel'khoz. 34 no. 3:61-63 Mr '63.

VITICULTURE—CONGRESSES

Zonal'noe nauchno-metodicheskoe soveshchanie. Tashkent, 1957. [Scientific achievements in fruit culture, viticulture, and subtropical crops in the republics of Central Asia and of Kazakhstan; materials of the Zonal Conference held in Tashkent, Feb. 12-16, 1957] Nauchnye dostizheniya po sadovodstvu, vinogradarstvu i subtropicheskim kul'turam Srednaziatskikh respublik i Kazakhskoi SSR; materialy. Otv. red. A. F. Evtushenko. Moskva, Izd-vo M-vn sel'. khoz. SSSR, 1959. 104 p.
(CU-A)

VITIM PLATEAU—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Mesozoic continental sediments in the Vitim Plateau. Ch. M. Kolesnikov. Sov. geol. 6 no. 2:82-90 F '63.

VITIM PLATEAU—ROCKS, SEDIMENTARY

Konev, A. A. [Petrography of alkali ultrabasic and basic rocks in the Sayzha and Gulkhen plutons (Vitim Plateau)] Petrografia shchelochnykh ul'traosnovnykh i osnovnykh gornykh porod Sayzhinskogo i Gulkhenskogo plutonov (Vitimskoe ploskogor'e). [Irkutsk] Irkutskoe knizhnoe izd-vo, 1962. 136 p. (Akademiya nauk SSSR, Sibirskoe otdeleniye. Vostochno-Sibirskii geologicheskii institut. Trudy, no. 11)

VLADIMIR—CONSTRUCTION WORKERS

A young construction worker. V. D'ichev. Sov. deput. trud. no. 4:78-79 Ap '63.

VLADIMIR—MONUMENTS

[Monument in commemoration of the 850th anniversary of Vladimir] Pamiatnik v oznamenovanie 850-letia goroda Vladimira. [Vladimir] Vladimirskaa knizhnoe izd-vo, 1963. 1 v. illus.

VLADIVOSTOK—FISHERIES—LABOR PRODUCTIVITY

The best landing brigade of the Vladivostok fishing port. R. G. Kartavyl. Ryb. khoz. 39 no. 4:58-60 '63.

VLASOV, VLADIMIR ALEKSANDROVICH, 1903-

Vladimir Vlasov. I. Martynov. Sov. muz. 27 no. 1:136-138 Ja '63.

VNUKOVO—AIRPLANES—MAINTENANCE AND REPAIR

Conscience is our bearing. A. Sysoev. Grazhd. av. 20 no. 1:14-15 Ja '63.

VOCATIONAL EDUCATION

(see also subdivision under Bukovina; Khmel'nitskiy Province; Tula)
Connection between mathematics and industrial training. V. M. Kvashneva. Shkola i protzv. 7 no. 2:15-18 F '63.

Development of student abilities. I. A. Nevskii. Shkola i protzv. 7 no. 4:11-13 Ap '63.

Instruction on the procedure for conducting graduation tests in secondary general technical schools with industrial training. Shkola i protzv. 7 no. 2:87-90 F '63.

Interuniversity conference on student production brigades. R. Shipilevoi. Sov. pedag. 27 no. 1:155-156 Ja '63.

Seyor'lanov, A. A. [Laboratory course in turning] Laboratornyi praktikum v tokarnykh gruppakh; posobie dlia instruktorov proizvodstvennogo obucheniia v srednei shkole. Moskva, Izd-vo APN RSFSR, 1962. 77 p.

Some student mistakes in filing. E. I. A. Minchenko, N. A. Chernenko. Shkola i protzv. 7 no. 2:41-43 F '63.

Systems of vocational training. S. A. Shaporinskii. Sov. pedag. 27 no. 1:24-33 Ja '63.

Vocational orientation of students. A. Kotenko. Shkola i protzv. 7 no. 4:90-91 Ap '63.

Work of class advisers on vocational guidance. M. M. Mingaleeva. Shkola i protzv. 7 no. 4:18-22 Ap '63.

VOCATIONAL GUIDANCE

(see also subdivision under Poland; Sverdlovsk; Warsaw)

Choice of a vocation. V. A. Umatov. Shkola i protzv. 7 no. 4:38-40 Ap '63.

The duty of every school is to help students in the choice of their occupation. M. I. Aramonova. Shkola i protzv. 7 no. 4:3-6 Ap '63.

Influence of clubs on the choice of occupation. A. Dantuev. Shkola i protzv. 7 no. 4:63-64 Ap '63.

New occupation list for secondary school students. A. A. Vasil'ev, I. I. A. Golomshok. Shkola i protzv. 7 no. 4: 48-52 Ap '63.

Path to a vocation begins in school. D. M. Vol'khin. Shkola i protzv. 7 no. 4:32-35 Ap '63.

Preparing students for the choice of an occupation. V. V. Chebysheva. Shkola i protzv. 7 no. 4:7-10 Ap '63.

Vocational guidance in a boarding school. N. K. Elisev. Shkola i protzv. 7 no. 4:35-38 Ap '63.

Vocational orientation. E. I. A. Pastukh. Shkola i protzv. 7 no. 4:14-18 Ap '63.

Vocational orientation in eight-year schools. I. U. P. Averchev. Shkola i protzv. 7 no. 4:27-31 Ap '63.

Vocational orientation in general secondary schools. S. N. Arkhangelskii. Shkola i protzv. 7 no. 4:24-26 Ap '63.

Vocational orientation of grade 5-8 students. V. L. Zaitsev. Sov. pedag. 27 no. 4:38-44 Ap '63.

Vocational orientation of students. I. U. Frenkel'. Shkola i protzv. 7 no. 4:91-92 Ap '63.

Work of class advisers on vocational guidance. M. M. Mingaleeva. Shkola i protzv. 7 no. 4:18-22 Ap '63.

VOCATIONAL GUIDANCE—HYGIENIC ASPECTS

Medical aspects of vocational guidance. L. V. Mikhailova, T. S. L. Ushacheva. Shkola i protzv. 7 no. 4:22-24 Ap '63.

VOLCANIC ASH, TUFF, ETC. see subdivision under Armenia; Nidzhasu Valley

VOLES see Field mice

VOLGA-AKHTUBA FLOOD PLAIN—SOIL FERTILITY

Increase soil fertility in the Volga-Akhtuba Flood Plain. P. K. Ivanov, A. V. Berdnikova. Zemledelie 25 no. 1: 59-65 Ja '63.

VOLGA-BALTIC SEA WATERWAY—FREIGHTERS

Freight carrier motorship for the Volga-Baltic Sea Waterway. S. Kniazev. Rech. transp. 22 no. 3:31-33 Mr '63.

VOLGA HYDROELECTRIC POWER STATION (22d CONGRESS OF THE CPSU)—DESIGN AND CONSTRUCTION

Bukha, M. A., and I. S. Birger. [Largest in the world; history of the construction of the Volga Hydroelectric Power Station (22d Congress of the CPSU)] Krupneishala v mire; k istorii sozdaniia Volzhskoi GES imeni XXII s'ezda KPSS. Pod red. S. R. Medvedeva. Moskva, Sotsekgiz, 1962. 225 p.

VOLGA RIVER

Geographical aspects of redirecting a part of the Pechora and Vychegda runoff into the Volga basin. S. L. Vendrov. Izv. AN SSSR, Ser. geog. no. 2:35-45 Mr-Ap '63.

VOLGA RIVER—NAVIGATION

Volga River workers are striving for the title of a brigade of communist labor. V. Shurpitskii. Rech. transp. 22 no. 4:28-29 Ap '63.

VOLGA RIVER—LUMBER—TRANSPORTATION

Russia (1917- R. S. F. S. R.) Gosudarstvennyi nauchno-tekhnicheskii komitet. [Improving the machinery and technology of the water transportation of lumber in the Volga-Kama basin] Sovershenstvovanie tekhniki i tekhnologii vodnogo transporta leza v Volzhako-Kamskoi basseine; materialy soveshchaniia sostoiavshegosia 25-26 ianvaria 1960 g. pri GNTK RSFSR. Moskva, Goslesbumizdat, 1960. 115 p.

VOLGA RIVER—SHIPPING

Program of action of the Volga River workers. N. Gor'kov, K. Liakhov. Rech. transp. 22 no. 3:3-4 Mr '63.

VOLGA RIVER—WATER—PURIFICATION

For sanitary improvement of the Volga. M. Sinit'syn. Izobr. irata. no. 3:15-17 '63.

VOLGA-URAL REGION—GEOLOGY, STRUCTURAL

Some basic characteristics of the subsurface tectonics of the Volga-Ural oil-bearing province. Z. I. Borozdina, A. I. Kleshchev, V. A. Klubov. Dokl. AN SSSR 1 no. 4:900-903 F '63.

VOLGA-URAL REGION—PALEONTOLOGY, STRATIGRAPHIC

Prokof'ev, V. A. [Materials on paleontological characteristics of Lower Permian sediments in the Volga-Ural region] Materialy k paleontologicheskoi kharakteristike nizhnepermianskikh otlozhenii Volgo-Ural'skoi Oblasti. Moskva, Gsgeotekhnizdat, 1963. 58 p.

VOLGA VALLEY—ANTIQUITIES

Work of the Volga Valley Expedition in 1960. A. P. Sem'nov. Krat. soob. Inst. arsheol. no. 80:23-32 '62.

VOLGA VALLEY—BRONZE AGE

Bader, O. N. [A burial mound near the village of Bala novo; history of the Volga Valley woodland in the bronze age] Balanovskii mogil'nik; iz istorii lesnogo Povolzh'ia v epokhu bronzy. Moskva, Izd-vo Akad. nauk SSSR, 1963. 308 p.

VOLGA VALLEY—FAMINES

Struggle against the famine of 1921-1922 in the Volga Valley. P. A. Agrikov, A. S. Bashkirev, I. A. Lychev. Ist. SSSR 7 no. 1:142-147 Ja-F '63.

VOLGA VALLEY—FOREST PROTECTION

Preserve sections of taiga forests in the Volga-Kama region. V. S. Porfir'ev. Ochr. priro. i zapov. delo v SSSR no. 7:34-44 '62.

VOLGA VALLEY—GAS, NATURAL

Molecular hydrogen in the composition of gas dissolved in the waters of gas and oil fields of the lower Volga Valley [with summary in English]. A. S. Zinger. Gkhimika no. 10:890-898 '62.

VOLGA VALLEY—GEOLOGY, STRATIGRAPHIC

Some data on the Tertiary stratigraphy of the Ural-Volga interfluvio. T. N. Dzhamagliev. Trudy Inst. nefti i Kazakh. SSSR 4:10-19 '61.

Vistelius, A. B. [Phase differentiation of Paleozoic sediments in the middle trans-Volga region and Volga Valley] Fazovnaia differentsiatsiia paleozoicheskikh otlozhenii Srednego Povolzh'ia i Zavolzh'ia. Otv. red. V. N. Tikhii. Moskva, Izd-vo Akad. nauk SSSR, 1962. 202 p.

VOLGA VALLEY—GEOLOGY, STRUCTURAL

"Materials on the geomorphology and recent tectonics of the Ural and the Volga Valley." Vol. 1. Reviewed S. K. Gorolov. Izv. AN SSSR, Ser. geog. no. 2:143-1 Mr-Ap '63.

VOLGA VALLEY—IRRIGATION

Irrigation practices in flooding enlarged checks. M. Bagrov. Gidr. i mel. 15 no. 3:12-19 Mr '63.

VOLGA VALLEY—KHAZARS

Archaeological expeditions in the lower Volga Valley. V. Belitskii. Soob. Gos. Ernt. no. 23:61-64 '62.

VOLGA VALLEY—OIL FIELD BRINES

Molecular hydrogen in the composition of gas dissolved in the waters of gas and oil fields of the lower Volga Valley [with summary in English]. A. S. Zinger. Gkhimika no. 10:890-898 '62.

VOLGA VALLEY—ORGANIC MATTER

Studying the composition of residual organic matter in Paleozoic sedimentary rocks in the middle Volga Valley [with summary in English]. K. F. Rodionova, A. Chetverikova. Gekhimika no. 10:899-903 '62.

VOLGA VALLEY—PETROLEUM INDUSTRY—FINANCIAL

Luzin, V. I. [Economic efficiency of capital investment in petroleum production; based on the example of the Ural and the Volga Valley] Ekonomicheskaiia effektivnost' kapital'nykh vlozhenii v nefte dobyvatel'skuiu promyshlennost'; na primere Uralo-Povolzh'ia. Moskva, Gosstektizdat, 1962. 130 p.

VOLGA VALLEY—PETROLEUM PIPELINES—DESIGN AND CONSTRUCTION

Laying a crossing under the Volga. O. S. Zuev. Stroytruboprov. 8 no. 4:22-23 Ap '63.

VOLGA VALLEY—ROCKS, SEDIMENTARY

Studying the composition of residual organic matter in Paleozoic sedimentary rocks in the middle Volga Valley [with summary in English]. K. F. Rodionova, O. P. Chetverikova. *Geokhimiia* no. 10:899-903 '62.

VOLGOGRAD—CEMENT INDUSTRIES

Baranov, I. P., and N. I. Shitymenko. [Plant of communist labor] Zavod kommunisticheskogo truda. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 68 p. [MICROFILM]

VOLGOGRAD—EXHIBITIONS

Second All-Russian Meeting of Young Technicians. *IUn. tekhn.* 7 no. 12:5-7 D '62.

VOLGOGRAD—STORES, RETAIL

"Mineral water" store. A. Sokolovskii. *Sov. torg.* 36 no. 2:21-22 F '63.

VOLGOGRAD—WAR MEMORIALS

Monument in honor of a heroic exploit. A. Fedorov. *Izvestiia* 26 no. 2:12-13 '63.

VOLGOGRAD PROVINCE—CEMENT INDUSTRIES

Perseverant efforts to introduce new and progressive methods. A. Volodin. *Agitator* no. 14:24-26 JI '62.

VOLGOGRAD PROVINCE—INDUSTRIAL HYGIENE

If Fedor Maksimovich said it, ... I. U. Klarov. *Okhr. truda i sots. strakh.* no. 4:14-15 Ap '63.

VOLGOGRAD PROVINCE—PETROLEUM GEOLOGY

Formation of oil pools in the sand layer B₁ of the Tula horizon in the Zhirnovskoe and Bakhtmet'yevskoye deposits. T. L. Vesnina. *Geol. nefti i gaza* 7 no. 4:18-21 Ap '63.

VOLGOGRAD PROVINCE—VERTEBRATES

Kubantsev, B. S., V. I. A. Uvarova, and N. A. Kosareva. [Animal kingdom of Volgograd Province; terrestrial vertebrates] Zhivotnyi mir Volgogradskoi oblasti; nazomnye pozvonochnye zhivotnye. Pod nauchnoi red. B. S. Kubantseva. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 191 p. [MICROFILM]

VOLKOV, FEDOR GRIGOR'EVICH, 1720-1763

Fedor Volkov, S. Sovetov. *Teatr* 24 no. 4:87-91 Ap '63. Homeland of the Russian theater. O. Borisov, T. Troitskaya. *Ogonek* 41 no. 16:26-27 Ap '63.

VOLKOV, FEDOR GRIGOR'EVICH, 1720-1763—BIBLIOGRAPHY

see Bibliography—Volkov, Fedor Grigor'evich, 1720-1763

VOLLEYBALL

Characteristics of the volume and intensity of training and amount of competition in volleyball. Nader El-Awanri. *Teor. i prak. fiz. kul't.* 26 no. 4:36-38 Ap '63.

VOLNOVAKHA DISTRICT—ROAD CONSTRUCTION

Road work in Volnovakha District, Donetsk Province. E. Dubrov, D. Belichenko. *Avt. dor.* 26 no. 2:9-10 F '63.

VOLOGDA PROVINCE—BAKERIES

Scientific and technical conference of the representatives of the bakery industry of Vologda Province. *Khleb. i kond. prom.* 7 no. 4:43 Ap '63.

VOLOGDA PROVINCE—HYDROLOGY

Hydrological regionalization of relatively small areas exemplified by the regionalization of Vologda Province [with summary in English]. B. A. Filenko. *Vest. LGU* 18 no. 5:106-117 '63.

VOLOGDA PROVINCE—PASTURES AND MEADOWS

Basic development of meadows in Vologda Province and their relation to environmental conditions [with summary in English]. G. I. Kozlova. *Vest. LGU* 18 no. 6: 71-82 '63.

VOLOGDA PROVINCE—STOMATOLOGY

First Conference of Stomatologists in Vologda Province. D. P. Kontushko. *Stomatologiya* 41 no. 5:107 S-O '62.

VOLTMETER

Quick-acting self-controlled digital voltmeter. V. N. Khilistunov, G. G. Zhilyov. *Izm. tekhn.* no. 8:44-46 Ag '62. Widening measurement ranges of magnetoelectric voltmeters and kilovoltmeters. I. U. A. Donde. *Izm. tekhn.* no. 3:47-48 Mr '63.

VOLYN' PROVINCE—FLAX—DRYING

Drying rotted flax straw with the VP-300 air heater. R. S. Iryshchuk. *Mekh. sil'. hosp.* 14 no. 2:20 F '63.

VOLYNSKIY DISTRICT—CONIFERAE

Vokhov, N. K., and V. N. Vokhov. [Coniferous species of the Forest-Steppe Station; results of their introduction] Khvoynye porody Lesostepnoi stantsii; itogi introduktsii. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 147 p. (DNAL)

VOLYNSKIY DISTRICT—PLANT INTRODUCTION

Vokhov, N. K., and V. N. Vokhov. [Coniferous species of the Forest-Steppe Station; results of their introduction] Khvoynye porody Lesostepnoi stantsii; itogi introduktsii. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1962. 147 p. (DNAL)

VON BEKESY, GEORG, 1899-

Nobel prize winner G. Bekesy. *Akust. zhur.* 9 no. 2:249 '63.

VORKUTA BASIN—COAL MINES AND MINING—SAFETY MEASURES

Results of the increase of responsibility for labor safety. V. I. Khitsunov. *Bezop. truda v prom.* 6 no. 8:11-12 Ag '62.

VORONEZH—ENSEMBLES (MUSIC)

Why they are remembered. V. Sakk. *Smena* 39 no. 23: 16-17 D '62.

VORONEZH—RESTAURANTS, LUNCHROOMS, ETC.

In Voronezh. M. Sergeev. *Obshchestv. pit.* no. 2:29-30 F '63.

VORONEZH—TEXTILE INDUSTRY

Researches. V. Malykhin. *NTO* 5 no. 3:5-7 Mr '63.

VORONEZH—YEAST

From work practices of the yeast factory in Voronezh. N. I. Derkanosov. *Khleb. i kond. prom.* 7 no. 4:34-36 Ap '63.

VORONEZH PRESERVE—SQUIRRELS

Squirrel in an artificial nest. V. N. Aleksandrov. *Priroda* 62 no. 4:84 '63.

VORONEZH PROVINCE—AGRICULTURE

Mass political work in rural areas in the first years of the rapid expansion of agriculture (based on the materials of Voronezh Province). L. V. Pogorelskii. *Nauch. zap. VLTi* 28:99-115 '62.

VORONEZH PROVINCE—CONSTRUCTION EQUIPMENT

The most responsible sections. V. Litubavichev. *Part. zhitn'* no. 8:47-48 Ap '63.

VORONEZH PROVINCE—DISABILITY EVALUATION

Invalids should be usefully employed on state farms. I. Ziazin. *Sots. obesp.* 24 no. 4:26-29 Ap '63.

VORONEZH PROVINCE—FOREST MANAGEMENT

Determining the economic effectiveness of improvement cuttings. V. P. Smorodin. *Nauch. zap. VLTi* 28:77-80 '62.

VORONEZH PROVINCE—HANDICAPPED—EMPLOYMENT

Invalids should be usefully employed on state farms. I. Ziazin. *Sots. obesp.* 24 no. 4:26-28 Ap '63.

VORONEZH PROVINCE—NATURAL RESOURCES

Vserossiiskoe obshchestvo sodelstva okhrane priroda. [Voronezhskoe otdelenie. [Our region; articles and sketches on the nature of the native region] Nash kraj; sbornik statii i ocherkov o prirode rodnogo kraia. Voronezh [Voronezhskoe knizhnoe izd-vo, 1962] 48 p. [MICROFILM]

VORONEZH PROVINCE—PLANTS, PROTECTION OF

Contribution of scientists to agriculture. B. A. Rider. *Zashch. rast. ot vred. i bol.* 6 no. 6:27 Je '61.

VORONEZH PROVINCE—PUBLIC HEALTH, RURAL

"Medical care for the rural population of Voronezh Province" by I. P. Furmenko. Reviewed by V. Ch. Brzheveskii. *Zdrav. Ros. Feder.* 7 no. 4:45 Ap '63.

VORONEZH PROVINCE—REFORESTATION

Economic and silvicultural bases for the regeneration of inferior stands of the right-bank tract of the Voronezh Forestry and Lumbering Institute. V. A. Bugaev. *Nauch. zap. VLTi* 28:59-61 '62.

VORONEZH PROVINCE—SOIL MICROORGANISMS

Effect of different methods of cultivation on soil microflora. L. I. Boeva. *Nauch. dokl. vys. shkoly; biol. nauki* no. 2:100-109 '63.

VORONTOV-VEL'AMINOV, BORIS ALEKSANDROVICH, 1904-

F. A. Bredikhin prize in 1962. *Priroda* 52 no. 3:100-107 '63.

VOROSHILOVGRAD see Lugansk

VOROSHILOVGRAD PROVINCE see Lugansk Province

VORTEX MOTION

"Captive" ball. I. U. Konfetkin. *IUn. tekhn.* 7 no. 4:49-51 Ap '63.

VOSKRESENSK DISTRICT—FISHPONDS

From the editor's mail. *Agitator* no. 15:61-64 Ag '62.

VOSTOK STATION, ANTARCTICA—AURORAS

Distribution of auroras at Vostok Station in 1961. L. N. Zhigalov. *Inform. bul. Sov. antark. eksp.* no. 36: '62.

VOSTOK STATION, ANTARCTICA—MAGNETISM, TERRESTRIAL

New feature of magnetic activity at Vostok Station. L. N. Zhigalov, D. A. Nizinaev. *Inform. bul. Sov. antark. eksp.* no. 37:39-39 '62.

VOSTOK STATION, ANTARCTICA—RUNWAYS (AERONAUTICS)

Stability of the supporting surface of the landing strip at Vostok Station. V. S. Ignatov. *Inform. bul. Sov. antark. eksp.* no. 32:39-43 '62.

VOTING

How the voting results of the elections to party organs should be determined. *Part. zhizn'* no. 8:56-59 Ap '63.

VOTISH LANGUAGE—PRONOUN

Usage of possessive suffixes and means for their substitution in modern Votish. L. Sabo. *Uch. zap. LGU* no. 314:85-100 '62.

VOTKINSK HYDROELECTRIC POWER STATION—BEAMS AND GIRDERS

Precast reinforced concrete crane girders with partial prestressing. L. I. Ioslievskii, G. M. Ereemeev, A. V. Nosarev. *Gidr. stroi.* 33 no. 2:18-22 F '63.

VOTKINSK HYDROELECTRIC POWER STATION—PRE-CAST CONCRETE CONSTRUCTION

Manufacture and assembly of precast reinforced concrete elements in construction of the Votkinsk Hydroelectric Power Station. I. U. S. Lukenberg. *Gidr. stroi.* 33 no. 4:11-14 Ap '63.

VOYAGES AND TRAVELS

Our famous countrymen. H. Kurylenka. *Belarus'* 20 no. 3:26 Mr '63.

VOYAGES AROUND THE WORLD

Baratashvili, V. [Around the world] Vokrug sveta. Minsk, Gos. izd-vo BSSR, 1956. 190 p. (U)

VUCHETICH, EVGENII VIKTOROVICH, 1908-

Monument in honor of a heroic exploit. A. Fedorov. *Izvestiia* 26 no. 2:12-13 '63.

VULCANIZATION

The VU-1 machine for attaching boot tabs by the vulcanization method. I. V. Kolesnik, E. L. Kritsberg. *Leb. prom.* no. 1:18-23 Ja-Mr '63.

VULCANIZATION—EQUIPMENT AND SUPPLIES

Portable vulcanizer. E. A. Chitaeva, V. A. Blizniuk. *Gor. zhur.* no. 4:51 Ap '63.

VYATKA GOVERNMENT—LABOR AND LABORING CLASSES

Natmushin, V. V. [Daybreak approaches; labor and Social-Democratic movement in the Vyatka government on the eve of the Revolution, 1905-1907] Zare navstrechu; rabochee isotsial'-demokraticheskoe dvizhenie v Taiskoi gubernii nakanune revoliutsii 1905-1907 godov. [Kirov] Kirovskoe knizhnoe izd-vo, 1961. 113 p. (MII)

VYATKA GOVERNMENT—RUSSIAN SOCIAL DEMOCRATIC PARTY

Natmushin, V. V. [Daybreak approaches; labor and Social-Democratic movement in the Vyatka government on the eve of the Revolution, 1905-1907] Zare navstrechu; rabochee isotsial'-demokraticheskoe dvizhenie v Taiskoi gubernii nakanune revoliutsii 1905-1907 godov. [Kirov] Kirovskoe knizhnoe izd-vo, 1961. 113 p. (MII)

VYCHEGDA RIVER—REGULATION

Geographical aspects of redirecting a part of the Pechora and Vychegda runoff into the Volga basin. S. L. Vendrov. *Izv. AN SSSR, Ser. geog.* no. 2:35-45 Mr-Apr '63.

VYSHINSKII, ANDREI IANUAR'EVICH, 1863-1954

We should eliminate all traces of the personality cult in Soviet jurisprudence. P. Nedbalto, E. Nazarenko. *Rad. pravo* no. 3:3-12 My-Je '62. We should fully repudiate A. I. A. Vyshinskii's erroneous views on the theory of Soviet criminal law. A. Plontkovskii. *Sots. zakon.* 38 no. 7:10-15 JI '62.

WAGES

Editor's mail. G. Miller, A. Kuritsyna, A. Arakelov. *Okhr. truda i sots. strakh.* no. 4:44 Ap '63. Petrov, V. V., and B. V. Antonov. [How wages are calculated] Kak podschityvaetsia zarabotnaya plata. Moskva, Mashgiz, 1960. 44 p. (Seria "Osnovy konkretnoi ekonomiki," no. 7) Premises for the introduction of distribution according to communist principles. A. Skuman. *Komm. Bel.* 37 no. 3:22-27 Mr '63. Reproduction of the labor force and wages under socialism. R. Obukhivskii. *Ekon. Rad. Ukr.* no. 2:15-21 Mr-Apr '63.

WAGES—CONSTRUCTION WORKERS

The piecework system and its advantages. M. F. Kadil'nikov. *Transp. stroi.* 13 no. 3:40-42 Mr '63. Zuzin, G. V., and L. T. Nozdin. [Wages in the construction industry] Oplata truda v stroitel'stve. [Moskva] Profizdat, 1962. 175 p.

WAGES—ELECTRIC EQUIPMENT INDUSTRY

Planning work and wages in workshops of the instrument and the electric equipment industries. F. Bardier. *Ekon. Rad. Ukr.* no. 2:88-75 Mr-Apr '63.

WAGES—HIGHWAY TRANSPORT WORKERS

Zakladnoi, V. S., and T. A. Komarova. [Wages for drivers on state farms] Oplata truda shofarov v sovkhozakh. Moskva, Izd-vo M-va sel'skogo khoz. RSFSR, 1963. 155 p.

WAGES--INSTRUMENT INDUSTRY

Planning work and wages in workshops of the instrument and the electric equipment industries, F. Bardier, Ekou, Rad, Ukr, no. 2:68-75 Mr-Apr '63.

WAGES--MEAT INDUSTRY

Improve the system of bonus payments to engineers and technicians, K. Denisenko, I. E. Ilychev, Mias, ind, SSSR 34 no. 1:47-50 '63.

WAGES--MECHANICS (PERSONS)

Consultation, L. I. Basalygo, Shvein, prom, no. 1:38 Ja-F '63.

WAGES--WOMEN see subdivision under Finland

WAKES (FLUID DYNAMICS)

Experimental investigation of the wake behind a body of revolution, L. I. Bizarova, K. A. Pochkina, Prom, aerodin, no. 23:99-106 '62.
Investigating the distribution of mean and pulsating speeds in the wake behind a cylinder in the presence of a longitudinal pressure gradient, L. N. Ukhanova, Prom, aerodin, no. 23:166-173 '62.

WALL NEWSPAPERS

(see also subdivision under Leningrad)
Antipova, M. N. [Wall newspapers in schools] Stennain gazeta v shkole, Moskva, Gos. uchebno-pedagog. izd-vo, 1962, 49 p.
(NIC)

WALLPAPER--STANDARDS

"Finishing coatings (paints, varnishes, wallpaper)," Bul. stroi, tekhn. 20 no. 3:16-17 Mr '63.

WALLS

Exterior elements made of asbestos cement and foam plastics, O. Gogolitsyn, N. Perunov, Na stroi, Ros, 4 no. 4:16 Ap '63.

WALNUT see subdivision under Kiev

WALNUT--FERTILIZERS AND MANURES

Effect of the application of mineral fertilizers on the physiological processes in walnut seedlings in saline soils, L. K. Polishchuk, Vsesyuzh, no. 3, Ser. biol., no. 1:68-77 '60.

WALTZES

Clarinet of an old musician, Mykola Skors'kyl, Ukraina no. 4:24 F '63.

WAR

"Do the Russians want war?" M. Potapov, Kul't.-pros. rab., 23 no. 11:49-50 N '62.

WAR--PERIODICALS see subdivision under United States

WAR, USE OF DOGS IN see Dogs, War use of

WAR CRIME TRIALS see subdivision under Germany, West

WAR CRIMINALS see subdivision under Germany, West

WAR MEMORIALS see subdivision under Plovdiv, Bulgaria; Sofia; Volgograd

WARDLE FLIES

Orum, K. I. A. [Warble flies (Hypodermatidae)] Podkozhnyye ovoda (Hypodermatidae), Moskva, Izd-vo Akad. nauk SSSR, 1962, 237 p. (Fauna SSSR, no. 82, Nannokomye dvukrylyye, vol. 10, no. 4)

WAREHOUSES

Warehouse automat, N. Toterin, Nauka i zhizn' 30 no. 1:29, 64 b-a Ja '63.

WAREHOUSES--STANDARDS

"Universal storage buildings and structures; standards for design," Bul. stroi, tekhn. 20 no. 4:18-19 Ap '63.

WARPING MACHINES

Thread tension on the S-140 warper, E. D. Efremov, Izv. vyzh. ucheb. zav., tekhn. tekhn. prom, no. 1:96-103 '63.

WARRANTY

What is the length of guaranty? IA. Sorin, Agitator no. 14:32-34 Ji '62.

WARSAW--BAKED PRODUCTS

Vitamin value of Warsaw baked products, N. N. Ershova, Khleb, i kond. prom, 7 no. 4:35-37 Ap '63.

WARSAW--BALLET

The Warsaw Bolshoi Theater, S. Zolochowski, Sov. muz., 27 no. 4:124-126 Ap '63.

WARSAW--OPERA

The Warsaw Bolshoi Theater, S. Zolochowski, Sov. muz., 27 no. 4:124-126 Ap '63.

WARSAW--VOCATIONAL GUIDANCE

Work of vocational center No. 3, in Warsaw, Danuta Barzach, Shkola i prom., 7 no. 4:86-87 Ap '63.

WASTE PAPER

Problems in the paper stock business, M. Serobritskaya, Most, prom, i khud. promys., 4 no. 3:31 Mr '63.

WASTE PRODUCTS

Potentials for reducing losses due to waste in machinery manufacturing, S. Gershtenkern, Fin. SSSR 37 no. 4:31-33 Ap '63.

WATER

Will there be a "universal draught?" S. Krylov, IUn. tekhn. 7 no. 4:37-39 Ap '63.

WATER--ACOUSTIC PROPERTIES

Anomaly of the temperature coefficient of the speed of ultrasonic waves in water, A. A. Glinak, Prim. ul'trakust. k. issl. veshch., no. 10:123-129 '62.

WATER--COMPOSITION

(see also subdivision under Tsimlyansk Reservoir)
Durov, S. A. [Critical analysis of the errors accumulated in hydrochemistry] Kriticheskiy razbor nakopivshikhsya v gidrokhimii oshibok, Novocherkassk, Redaktsionnoizdatel'skiy otdel NPI, 1961, 14 p.
[MICROFILM]

WATER--DENSITY

Apparatus for observing the dependence of the density of water on temperature, A. F. Sviridov, Fiz. v shkole 23 no. 1:54 Ja-F '63.

WATER--DISTRIBUTION

(see also subdivision under Yakutsk)
Automatic temperature checking system on water-supply networks in the permafrost zone, M. N. Siniagina, Sbor. nauch. rab. AKKH no. 12:163-170 '62.
Choosing the layout of water-supply networks for populated places and industrial enterprises in permafrost regions, G. A. Borisov, Sbor. nauch. rab. AKKH no. 12:3-12 '62.

"Indoor water supply in manufacturing and auxiliary buildings of industrial enterprises; standards for design," Bul. stroi, tekhn. 20 no. 4:7-8 Ap '63.

WATER--MICROBIOLOGY

Kuznetsov, S. I., V. I. Romanenko, [Microbiological study of inland bodies of water; a laboratory manual] Mikrobiologicheskoe izuchenie vnutrennikh vodostanov; laboratornoe rukovodstvo, Moskva, Izd-vo Akad. nauk SSSR, 1963, 128 p.

WATER--OXYGEN CONTENT

"Oxygen content of fishponds in intensive carp culture" by G. I. Shipet, M. B. Fed'aman. Reviewed by V. Ivanski, Ryb. khoz., 30 no. 4:95 '63.

WATER--PURIFICATION

(see also subdivision under Volga River)
Purification of mine water used for dust control in mines, G. P. Kargin, Bezop. truda v prom., 7 no. 4:22-23 Ap '63.

Rustproof ribbed ceramic filter, V. V. Shimanovskii, Gidr. i mel., 15 no. 2:28-28 F '63.

Separate washing out of filters, P. F. Dagaev, Vod. i san. tekhn., no. 4:35-36 Ap '63.

Utilization of phytocidal plants for the conservation of water, V. G. Bogdanova, Bot. zhur., 48 no. 2:231-234 F '63.

WATER, UNDERGROUND

(see also subdivision under Caspian Sea; Gay region, Orenburg Province; Mangyshlak Peninsula; Siberia, Eastern; Bakh Valley; Tselinograd Province; Turkmenistan)

Building structures on weak saturated clays, M. I. U. Abelev, Transp. stroi., 13 no. 4:70-71 Ap '63.

Determining the proved reserves of artesian waters in narrow river valleys, G. N. Asosvskii, Vop. gidrogeol. i inzh. geol., no. 20:94-98 '62.

Gavrilko, Y. M. [Screens for intake drainage and hydrogeological wells] Fil'try vodozabornykh, vodoopozhtel'nykh i gidrogeologicheskikh skvazhin. 2, Izd. lapr. i dop. Moskva, Gosstroizdat, 1962, 399 p.

Method for an approximate determination of the ground water recharge or evaporation and transpiration losses under irrigation conditions, E. I. Minkin, Vop. gidrogeol. i inzh. geol., no. 20:90-93 '62.

"Methodology of hydrogeological investigations" by P. P. Klimentov. Reviewed by A. V. Lebedev, N. V. Rogovskaya, V. D. Babushkin, Sov. geol., 6 no. 2:157-159 F '63.

Reduction of pressures in hydrogeology, E. F. Stankovich, Sov. geol., 6 no. 4:99-108 Ap '63.

Some characteristics of the formation of the fresh underground water zone in the European part of the U. S. S. R., V. I. Dukhanina, Vop. gidrogeol. i inzh. geol., no. 20:18-37 '62.

A systematic list of principal engineering techniques for artificial enrichment of ground water, O. Sh. Kokochashvili, Trudy Inst. energ. AN Gruz. SSR 16:205-212 '62.

Using methods of nuclear physics for solving problems of engineering geology and hydrogeology, V. I. Ferron-skil and others, Vop. gidrogeol. i inzh. geol., no. 20:13-17 '62.

WATER, UNDERGROUND--ANALYSIS see subdivision under Turkmenistan; Uzbekistan

WATER BIRDS see subdivision under Astrakhan Preserve; Meshchera; Moscow; Oka Valley

WATER CONSERVATION

General plan for diversified use and preservation of water resources in the U. S. S. R., V. D. Nefedov, Gidr. i mel., 15 no. 3:61-64 Mr '63.

WATER HEATERS

Changing the design of gas water heaters, R. Pomirchyl, B. Samylin, R. Freidin, Pozh. delo 9 no. 3:15 Mr '63.

Highly economical water heater, O. Likhov, O. Golovanov, Obshchestv. pit., no. 1:38-40 Ja '63.

New water heating equipment for electric power plants, S. M. Gurvich, A. P. Mamet, Teploenergetika 10 no. 3:87-92 Mr '63.

Stamping bottoms using a blasting method, I. A. Vovchenko, E. I. Zaitsev, Transp. stroi., 13 no. 4:64 Ap '63.

Water heater, Sel'. mekh., no. 1:33 Ja '63.

WATER PIPES

Checking the formation of ice inside aqueducts, M. P. Suslov, Vod. i san. tekhn., no. 4:5-8 Ap '63.

Practices in the construction of water pipelines from the rolled pipes, IE. R. Borovskiy, V. O. Nekhotashchyl, Mekh. sil', hosp., 14 no. 1:24-25 Ja '63.

Telescopic main water line which gradually expands in diameter, S. A. Gross, Izv. vyzh. ucheb. zav. i stroi. i arkhlt., 6 no. 3:116-121 '63.

Unidimensional turbulent flow of a liquid in a perforated cylindrical pipe, Sh. N. Kvintadze, Trudy Inst. energ. AN Gruz. SSR 16:213-216 '62.

WATER RESOURCES DEVELOPMENT

(see also subdivision under Afghanistan; United States)

General plan for diversified use and preservation of water resources in the U. S. S. R., V. D. Nefedov, Gidr. i mel., 15 no. 3:61-64 Mr '63.

Water resources of a multipurpose water power development, L. N. Zhigenti, Trudy Inst. energ. AN Gruz. SSR 16:151-158 '62.

WATER RESOURCES DEVELOPMENT--FINANCE see subdivision under Uzbekistan

WATER STORAGE

Salinization of the bottom of artificial reservoirs, A. Demidenko, V. M. Demurdzhan, Bul. v shkole no. 2:95-96 Mr-Apr '63.

WATER SUPPLY

(see also subdivision under Kaban; Minsk; Naftalan)
Distribution of the concentration of suspended particles along the cross section of a free flow, V. I. Vinogradova, Trudy Inst. energ. AN Gruz. SSR 16:3-12 '62.

Laboratory studies of transportation capability of an open flow, O. I. Menabdishvili, Trudy Inst. energ. AN Gruz. SSR 16:159-167 '62.

Methodology for formulating future water supply balances based on the example of the Kura River, G. G. Svanidze, I. I. Melchit v. Trudy Inst. energ. AN Gruz. SSR 16:31-46 '62.

Problem concerning the joining of reservoirs in mountainous areas, D. S. Abashvili, Trudy Inst. energ. AN Gruz. SSR 16:169-180 '62.

Recent scientific discoveries and technological innovations, Belarus' 20 no. 4:30 Ap '63.

Water supply systems for fighting fires during the production of peat fuels, E. S. Dzektsar, V. A. Kudravyi, Bul. tekhn. i ekon. inform. Gos. nauch. i issl. inst. nauch. tekhn. inform., no. 3:15-17 '63.

WATER SUPPLY, RURAL

(see also subdivision under Kazakhstan; Tselinograd Province)

Indoor water supply with insulated glass and rubber pipes on livestock farms, M. Nechaev, Sil', bud., 12 no. 5:9-12 My '62.

WATER-SUPPLY ENGINEERING

"Overall automation and remote control of the water supplying systems of industrial enterprises," A. Kh Dobrovskii, Prom. energ., 17 no. 8:52-53 Ag '62.

WATER-SUPPLY ENGINEERING--CONGRESSES

All-Union Scientific Technological Conference on Improving the Operation of Agricultural Water-Supply Structures, Vod. i san. tekhn., no. 4:40-43 of cover Ap '63.

WATER-SUPPLY ENGINEERING--PERIODICALS

List of literature with summaries, Vod. i san. tekhn., no. 4:3 of cover, Ap '63.

WATER TURBINES see Hydraulic turbines

WATER VAPOR

Chemical mechanism of the reaction of carbon with water vapor, B. M. Derman, Trudy IGI 19:150-158 '62.

Important phase in the study of the properties of water vapor, V. V. Sychev, Teploenergetika 10 no. 3:93 Mr '63.

Reaction of water vapor with carbon in the burning of peat coke in a bed, V. A. Olenov, Trudy IGI 18:161-173 '62.

WATER WORKS INTAKES see Intakes (Hydraulic engineering)

WATERPROOFING

Pin welding for fixing packs of waterproofing to ship structures of aluminum-magnesium alloys. S. V. Iakushkin. Sudostroenie 20 no. 3:54 Mr '63.

Unit for the manufacture of "carpets" of waterproofing. A. F. Zhukov. Transp. stroi. 13 no. 3:53-54 Mr '63.

Use of cold emulsion bituminous mastic in nonrolled roofs and for waterproofing. I. I. Bushedti, G. E. Faingol'd. Stroi. mat. 9 no. 3:17-20 Mr '63.

Voronkov, M. G., and N. V. Shorokhov. [Water-repellent coatings in construction] Vodootalkivushchie pokrytiia v stroitel'stve. Riga, Izd-vo Akad. nauk Latvisskoi SSR, 1963. 189 p.

WATERPROOFING--STANDARDS

"Insulation against water and steam. Regulations for executing and inspecting operations." Biul. stroi. tekhn. 20 no. 3:20-29 Mr '63.

WATERPROOFING OF FABRICS

Imparting strength and hydrophobic properties to fabrics made of glass fibers. L. V. Golosova. Plast. massy no. 3:68-71 '63.

WAVE GUIDES

Calculation of a shielded surface wave transmission line. M. B. Kaplunov. Elektrosviaz' 17 no. 4:20-27 Ap '63.

Calculation of wave guide junctions with partial anisotropic filling. E. L. Kulikov. Radiotekh. i elektron. 8 no. 4:713-714 Ap '63.

Characteristic waves on a homogeneous plane impedance surface. V. V. Shevchenko. Akust. zhur. 9 no. 2:215-221 '63.

[Complex wave guide systems] Slozhnye volnovodnye sistemy. [By] N. L. Kogan, B. M. Mashkovtsev, K. N. Tshil'tsov. Leningrad, Sudpromgiz, 1963. 355 p.

Designing wide-band waveguide directional coupler. A. N. Akhiezer. Izv. tekhn. no. 3:50-52 Mr '63.

Efficiency of ultrasonic concentrators. I. I. Teumin. Akust. zhur. 9 no. 2:205-208 '63.

Ferrite valve for waves with mutually perpendicular polarization. N. D. Kozyrev. Elektrosviaz' 17 no. 4:28-32 Ap '63.

Measurement of power losses in short wave guide lines. R. F. Matveev. Radiotekh. i elektron. 8 no. 4:577-584 Ap '63.

Verification of the method for calculating the propagation of electromagnetic oscillations in irregular wave guides. A. G. Sveshnikov. Zhur. vych. mat. i mat. fiz. 3 no. 2:314-320 Mr-Apr '63.

WAVES

(see also subdivision under Kakhovka Reservoir)

Determination of energy losses of swells caused by the action of turbulent and kinematic viscosity. A. M. Zhukovets. Okeanologiya 3 no. 2:225-234 '63.

Determining the damping of the height of a wave in deep water and shoals. I. G. Rybchovskii. Gidr. stroi. 33 no. 2:48-48 F '63.

Study of the kinematics of waves. G. E. Kononkova, N. V. Kontoboltseva. Okeanologiya 3 no. 2:219-224 '63.

Waves caused by pressures exerted on the surface of a viscous liquid. I. V. Cherkasov. Vest. AN BSSR, Ser. fiz.-tekhn. nav. no. 1:42-45 '63.

WAVES--TERMINOLOGY

Terminology of swells. K. M. Sirovov. Okeanologiya 3 no. 2:362 '63.

WAVES, CALMING OF

Full scale verification of the wave damping effect of bushes. Rezh. transp. 22 no. 4:44 Ap '63.

WEATHER--MENTAL AND PHYSIOLOGICAL EFFECTS

Effect of meteorological factors on the course of vascular diseases. G. A. Tshupo-Gran. Vrach. delo no. 3: 59-62 Mr '63.

WEATHERING

(see also subdivision under Chu-Ili Mountains; Dnieper Valley)

Formation of the weathering surface of halogen formations [with summary in English]. A. E. Khod'kov. Vest. LGU 18 no. 6:46-55 '63.

Genesis of minerals in bauxite of Mesozoic and Cenozoic platform deposits. K. F. Terent'eva, F. G. Psova, M. A. Syrov. no. 4:3-24 '62.

WEAVING

Concerning N. Kh. Urazov's article "Classification of weaving patterns." V. I. Lobodov. Izv. vys. ucheb. zav. i tekhn. tekhn. prom. no. 1:88-90 '63.

"Theoretical studies of the structure of linen weave fabrics" by V. I. Smirnov. Reviewed by N. Strizhnikov. Tekst. prom. 23 no. 4:84-86 Ap '63.

WEDDINGS

For the happiness of the people. K. Emel'ianova. Kul't.-pros. rab. 23 no. 11:23-24 N '62.

On this solemn day. I. Chytotakii. Kul't.-pros. rab. 23 no. 11:25-26 N '62.

WEED CONTROL

(see also subdivision under Astrakhan Province; Krasnoyarsk Territory; White Russia)

Chemical weed control in onion, carrot, and beet fields. P. S. Zhukova. Zashch. rast. ot vred. i bol. 8 no. 6: 33 Je '61.

WEED KILLERS see Herbicides

WEEVILS see subdivision under Odessa Province

WEIGHT FUNCTIONS

Numerical integration of functions having logarithmic and exponential singularities. V. I. Krylov, A. A. Pal'tsev. Vest. AN BSSR, Ser. fiz.-tekhn. nav. no. 1: 14-23 '63.

WEIGHT LIFTING

Assigning the proper amount of training exercises for weight lifters. N. N. Saksanov. Teor. i prak. fiz. kul't. 26 no. 3:71-72 Mr '63.

Oscillographic observations of weight lifters. M. B. Kazakov, T. V. Kolosova, N. M. Khodakov. Teor. i prak. fiz. kul't. 26 no. 3:26-28 Mr '63.

WEIGHTLESSNESS

Change in motor habits in weightlessness [with summary in English]. Probl. kosm. biol. 2:220-225 '62.

Emptying and filling vessels under weightlessness conditions. A. S. Povitskii, L. I. Liubin. Isk. sput. Zem. no. 15:22-37 '63.

Some human reactions under conditions of decreased gravity [with summary in English]. E. M. Uganov and others. Probl. kosm. biol. 2:206-214 '62.

Studying the quality of the reception and transmission of speech in weightlessness [with summary in English]. I. A. Borshehevskii and others. Probl. kosm. biol. 2:215-219 '62.

WEIGHTS AND MEASURES

Fifty-first session of the International Committee on Weights and Measures. G. D. Burdun. Izv. tekhn. no. 3:62-63 Mr '63.

WEIGHTS AND MEASURES--STANDARDS

International system of units. Prykl. mekh. 9 no. 1: 104-113 '63.

International unit system. Biul. tekhn.-ekon. inform. Gos. nauch. i issl. inst. nauch. i tekhn. inform. no. 3:96 - 3 of cover '63.

Introduction of the International Unit System in the U. S. S. R. V. P. Korotkov. Standartizatsia 27 no. 3: 3-7 Mr '63.

WEIGHTS AND MEASURES--TABLES, ETC.

"Geographical conversion tables" [in English] by D. K. Amiran, A. P. Schick. Reviewed by E. E. Shvede. Izv. Vses. geog. ob-va 95 no. 1:90-97 Ja-F '63.

WEILL, KURT, 1900-1950

Kurt Weill. O. Leon'teva. Sov. muz. 27 no. 1:114-116 Ja '63.

WELDING

(see also subdivision under Germany, West; Leningrad) Lashko, N. F., and S. V. Lashko. [Some problems in connection with the weldability of metals] Nekotorye problemy svariivaniia metallov. Moskva, Mashgiz, 1963. 290 p.

[Welder's handbook] Metinataya rokasgramata. [By] V. Ivanovskii and others. Riga, Latvijas Valsts izdevnieciba. [In Latvian] Vol. 2. 1963. 270 p.

Welding in tomorrow's world. B. E. Paton. Avtom. svar. 16 no. 2:1-9 F '63.

WELDING--CONGRESSES

Conference on the automatic control of welding processes. N. V. Podola. Avtom. svar. 16 no. 4:95-98 Ap '63.

Fifteenth Congress of the International Institute of Welding. Avtom. svar. 16 no. 2:95-98 F '63.

Third Interprovince Scientific Technological Conference in Pensa. I. V. Dovbyschenko. Avtom. svar. 16 no. 4: 95 Ap '63.

WELDING--EQUIPMENT AND SUPPLIES

Conference on the design and use of mechanized equipment. Avtom. svar. 16 no. 3:95 Mr '63.

WELDING--PERIODICALS

Readers' conference. P. K. Aleksandrov. Avtom. svar. 16 no. 2:91 F '63.

WELDING--SAFETY MEASURES

Professionalnyi soiz rabochikh metalurgicheskoi promyshlennosti. Tsentralnyi komitet. [Safety regulations in pipe-rolling and pipe-welding industries] Pravila bezopasnosti v truboprovodnom i trubovarochnom proizvodstvakh. Moskva, Metallurgizdat, 1962. 110 p.

WELDING--TESTING

Rapid method of selecting one-phase alloys with satisfactory weldability and heat resistance. B. A. Movchan, L. A. Daykovich. Avtom. svar. 16 no. 2:34-40 F '63.

Resistance of welded butt joints in large diameter 36GS steel reinforcement rods. A. I. A. Brodskii, V. I. Loschillov. Avtom. svar. 16 no. 3:28-33 Mr '63.

Television in X-ray flaw detection of welded joints. O. D. Bychkov. Avtom. svar. 16 no. 3:45-52 Mr '63.

Welded joints in inoculated titanium. S. M. Gurevich. Avtom. svar. 16 no. 3:34-39 Mr '63.

WELDING, ELECTRIC see Electric welding

WELDING, GAS see Gas welding and cutting

WELLS--EQUIPMENT AND SUPPLIES

Gavrilko, V. M. [Screens for intake drainage and hydrogeological wells] Fil'try vodozabornyykh, vodoopozitel'nykh i gidrogeologicheskikh skvazhin. 2. izd. ispr. i dop. Moskva, Gosstroizdat, 1962. 399 p.

WENDS

Lusatians, a West-Slavic nation. V. A. Motornyi, K. K. Trofimovych. Nar. ivorch. ta etn. 6 no. 4:69-76 O-D '62.

WEST GERMANY see Germany, West

WEST SIBERIAN PLAIN--ELECTROMAGNETIC PROSPECTING

Study of the geology of the northern part of the West Siberian Plain by the magnetotelluric profiling method. M. N. Berdichevskii, I. U. S. Kopelev, A. E. Lantsev. Trudy NIIG 132:133-139 '62.

WEST SIBERIAN PLAIN--FORAMINIFERA, FOSSIL

Late Cretaceous Foraminifera in the West Siberian Plain. F. S. Putria. Paleont. zhur. no. 1:35-41 '63.

WEST SIBERIAN PLAIN--MINERAL WATERS

Mineral waters in the southwestern part of the West Siberian Plain. L. V. Slavianova. Vop. gidrogeol. i inzh. geol. no. 20:117-124 '62.

WEST SIBERIAN PLAIN--PLACER DEPOSITS

Genetic series of placer deposits and their distribution in Mesozoic and Cenozoic sediments of the West Siberian Plain. V. A. Dargevich. Trudy SNIIGGIMS no. 25:63-71 '62.

WEST SIBERIAN PLAIN--SAND

Recent aeolian sands in the western margin of the West Siberian Plain and their commercial significance. N. B. Molitun, V. I. A. Komarskii. Trudy SNIIGGIMS no. 25:52-56 '62.

WESTERN DVINA VALLEY--LANDFORMS

Role of the relief formation of the Valdai ice sheet in the Dvina-Dnieper interfluvium. N. S. Chebotareva, V. I. Pasiukevich. Biul. Kom. chetv. per. no. 2:14-20 '62.

WESTERN EUROPE see Europe, Western

WESTERN SIBERIA see Siberia, Western

WHALE OIL

Obtaining higher unsaturated alcohols by the method of selective hydrogenation of whale oil. I. M. Tovbin and others. Masl. i zhir. prom. 29 no. 3:16-21 Mr '63.

WHALE PRODUCTS

Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. [Collection of abstracts of scientific works of the All-Union Scientific Research Institute of Maritime Fisheries and Oceanography; technology and mechanization] Sbornik annotatsii nauchnykh rabot VNIRO; tekhnologiya i mekhanizatsiya. Moskva, Rybnoe khoziaistvo, 1962. 49 p.

WHALES see subdivision under Greenland Sea

WHALING

Cachalots swim to "Skalistyy." Vadim Gippenreiter. Smena 39 no. 2:320-23 D '62.

WHEAT

(see also subdivision under Africa; China)

Causes of different grain sizes in the ear of barley and wheat. I. U. B. Konovalov. Dokl. AN SSSR 149 no. 3: 728-730 Mr '63.

Increase the production of durum wheat. P. E. Sudnov. Zemledelie 25 no. 1:22-25 Ja '63.

WHEAT--DISEASES AND PESTS

(see also subdivision under Kazakhstan)

Morphological variations of the mycelium of Ustilago tritici Pers., causative agent of wheat smut. N. K. Klaptsova. Bot. zhur. 48 no. 2:262-263 F '63.

WHEAT--VARIETIES see subdivision under Kuban

WHEAT--WATER REQUIREMENTS see subdivision under Ukraine

WHEAT BREEDING

Udal'skaya, N. L. [Selection of spring wheat] Selektatsiya iarovoii pshenitsy. Alma-Ata, Kazakhskoe gos. izd-vo, 1961. 104 p. (RPD)

WHITE RUSSIA--AGRICULTURE

We should do our best in preparing and carrying out the spring sowing. Komm. Bel. 37 no. 3:8-11 Mr '63.

WHITE RUSSIA--AGRICULTURE--AUDITING AND INSPECTION

Preparations for spring sowing were placed under the control of the Communist Youth League. Komsom. zhizn' no. 4:15-16 F '63.

WHITE RUSSIA--AGRICULTURE--ECONOMIC ASPECTS

"Economic effectiveness of the specialization of collective farming" by K. P. Orlovskii, A. A. Nikitenko. Reviewed by M. Chepikov. Kommunist 40 no. 6:125-127 Ap '63.

WIEPRZ-KRZNA CANAL

Construction of the Wieprz-Krzna Canal. K. Radzichowski. Gidr. i mel. 15 no. 3:52-54 Mr '63.

WILDLIFE, CONSERVATION OF

see subdivision under Ukraine

WILL

Will of a first grader [with summary in English]. Sh. N. Chkhartishvili. Vop. psikh. 9 no. 2:109-116 Mr-Apr '63.

WILNO

see Vilnius

WINDBREAKS, SHELTERBELTS, ETC.

see subdivision under Dnieper Valley; Saratov Province

WINDING MACHINES

Development of an electric charge in moulined yarns during rewinding on automatic reels. A. V. Morozov, K. S. Tugoev, N. A. Borodovskii. Tekst. prom. 23 no. 3:42-45 Mr '63.

WINDS

Approximate probability analysis of the wind velocity structure over the sea [with summary in English]. F. A. Dmitrieva. Vest. LGU 18 no. 7:99-108 '63.

WINE—THERAPEUTIC USE

Therapeutic uses of wine. N. F. Anisimov. Biokhim. vin. no. 7:82-90 '63.

WINE AND WINE MAKING

(see also subdivision under Moldavia)

Absorption of gases through the wine surface coated with an oily film. A. A. Merzhanian. Trudy KIPP no. 22: 98-94 '61.

Antagonism between yeasts. G. G. Agabaliants, P. F. Ivlev, I. M. Riabchenko. Trudy KIPP no. 22:266-273 '61.

Contraction in the alcoholization of must and wine. T. L. Parfent'eva. Trudy KIPP no. 22:396-398 '61.

Determining the exchange capacity of ion-exchange resins in winemaking. G. D. Ratushnyi. Trudy KIPP no. 22: 310-325 '61.

Dynamics of nitrogen substances during the fermentation of grape must and aging of new wine. V. I. Zinchenko. Biokhim. vin. no. 7:59-73 '63.

Experience in the application of ion exchange in the manufacture of fruit and berry juices and wines. G. G. Agabaliants, E. S. Drboglav. Trudy KIPP no. 22:361-370 '61.

Extract as indicator of the quality of desert wines and its changes in the course of grape ripening. Z. I. Galvoronskaya. Biokhim. vin. no. 7:43-57 '63.

Formation of new impurities during the continuous distillation of wine. V. A. Maslov. Trudy KIPP no. 22: 190-200 '61.

Konferentsiia po razrabotke uluchshennykh metodov proizvodstva i stabilizatsii polusladkikh vin, Moscow, 1961. [Methods for the manufacture and stabilization of semisweet wines] Metody proizvodstva i stabilizatsii polusladkikh vin; sbornik dokladov, Moskva, TSentr. in-t nauchno-tekhn. informatsii plishchevoi promyshl. 1962, 40 p.

[MICROFILM]

Making semisweet table wines by the method of fermenting juices treated with ion exchange resins. G. D. Ratushnyi, V. I. Reva. Trudy KIPP no. 22:354-360 '61.

Manufacture of lyant champagne and table wines under industrial conditions. V. M. Loza. Trudy KIPP no. 22: 162-170 '61.

New methods for obtaining semisweet table wine. E. S. Drboglav. Trudy KIPP no. 22:331-338 '61.

New technology and production control in wine making. V. I. Nilov. Khar. prom. no. 1:69-68 Ja-Mr '63.

Obtaining wine of the sherry type by the method of the oxidizing autolysis of yeasts. V. M. Loza. Trudy KIPP no. 22:240-249 '61.

Role of the intensity of sugar accumulation and of the amino acids composition of grapes in the formation of the organoleptic qualities of wine and juices. L. N. Nechaev. Biokhim. vin. no. 7:25-42 '63.

Transformation and formation of substances during the heating of wines. E. L. Mndzholian. Biokhim. vin. no. 7:208-217 '63.

Use of a Sclerotinia sclerotiorum preparation for the processing of must and wines. E. M. Popova, L. I. Karasova. Biokhim. vin. no. 7:110-130 '63.

Use of ion-exchange resins for the stabilization of semisweet table wine. G. G. Agabaliants, E. S. Drboglav. Trudy KIPP no. 22:326-330 '61.

Using yeast autolysis in the making of white table wine. V. M. Loza. Trudy KIPP no. 22:190-197 '61.

Vyshechepan, A. G., M. E. Mol'man, and B. A. Nazarov. [Commercial study of vegetables, fruit and wine] Tovarovedenie ovoshchei plodov i vina. Izd. 2., perer. Moskva, Gosstorgizdat, 1963, 303 p.

WINE AND WINE MAKING—ANALYSIS

(see also subdivision under Georgia)

Chemical composition and quality of grape wine. N. N. Protoserdov. Biokhim. vin. no. 7:74-81 '63.

Determining copper content of wine and brandy by means of ion exchange resins. I. U. E. Fal'kovich. Trudy KIPP no. 22:375-378 '61.

Determining tartaric acid in wine and must by means of ion exchange resins. I. U. E. Fal'kovich. Trudy KIPP no. 22:379-382 '61.

Nature of the changes occurring in the nitrogen substances of wine during its sherrization. G. G. Agabaliants, P. F. Ivlev. Trudy KIPP no. 22:299-303 '61.

Overacidity of wines. E. N. Datunashvili. Biokhim. vin. no. 7:91-101 '63.

Simplified method of determining sugar in wine. T. L. Parfent'eva. Trudy KIPP no. 22:393-395 '61.

WINE AND WINEMAKING—BIBLIOGRAPHY

see Bibliography—Wine and winemaking

WINE AND WINE MAKING—CONGRESSES

Tenth International Congress on Viticulture and Wine Making. O. I. Mel'nikov. Khar. prom. no. 1:75-76 Ja-Mr '63.

WINE AND WINE MAKING—EQUIPMENT AND SUPPLIES

Anticorrosive coatings of the internal surfaces of tanks used for the storage and processing of wine and juices; preliminary report. E. V. Zobov and others. Trudy MNIPP 2:43-55 '62.

Electric separation of grape juice in a continuous apparatus. G. N. Gasluk, B. M. Malov. Trudy MNIPP 2:68-74 '62.

WINE AND WINE MAKING—FILTRATION

Studying the changes in the composition of wines during filtration with cation filters. E. S. Drboglav. Trudy KIPP no. 22:339-353 '61.

Use of diatomite in the winemaking industry. G. D. Ratushnyi. Trudy KIPP no. 22:389-396 '61.

WINE AND WINE MAKING—MICROBIOLOGY

Effect of ultrasonic waves on the microflora in the process of grape juice production. G. N. Gasluk, L. M. TSvetkova. Trudy MNIPP 2:75-80 '62.

WINE AND WINE MAKING—RESEARCH

see subdivision under Krasnodarsk

WINGS

Geographical variability of the bean goose. V. I. Kroshkin. Ornitologiya no. 4:449-452 '62.

WINTER

A fierce January. D. Zuev. Sel. mekh. no. 1:35 Ja '63.

A hard winter. N. V. Kolobkov. Priroda 52 no. 4:127-128 '63.

Winter weather of 1962-1963 in the northern hemisphere. T. F. Balinova, T. V. Sldochenko. Priroda 52 no. 4: 124-127 '63.

WINTERGREEN

Development of the ovule and female gametophyte in Pyrolaea and Monotropa. E. S. Terekhin. Bot. zhur. 48 no. 3:400-414 Mr '63.

WIPING CLOTHS

Trapkin, A. I. [Production and reclaiming of wiping materials] Vyrabotka i regeneratsiia obitrochnykh materialov. Moskva, Gosmestpromizdat, 1962, 145 p.

WIRE DRAWING

Potemkin, K. D. [Heat treatment and drawing of high-strength wire] Termicheskaia obrabotka i volocheniye vysokoprochnoi provoloki. Moskva, Metallurgizdat, 1963, 119 p.

Problem of multiloop control of multiple wire-drawing mills using multiterminal networks [with summary in English]. I. G. Grishman, N. I. Sakhipov. Avtom. i telex. 24 no. 4:540-557 Ap '63.

WIRE DRAWING—EQUIPMENT AND SUPPLIES

Electric drive of a powder wire drawing machine. M. V. Mitul'man, B. M. Shinkarev. Avtom. svar. 16 no. 4: 78-81 Ap '63.

WIRE ROPE

Grips for steel wire rope eyes. L. N. Goredetskii. Met. i gorunod. prom. no. 1:75 Ja-F '63.

Natural oscillations of a flexible wire. G. A. Nekhaev. Nauch. trudy Tul. gor. inst. no. 3:81-86 '61.

WOLF, HUGO, 1860-1903

Some letters of Hugo Wolf. Sov. muz. 27 no. 3:112-124 Mr '63.

WOLF FISH

see subdivision under Arctic Ocean

WOLFRAMITE

see subdivision under Transbaikalia

WOLVES—EXTERMINATION

At the break of dawn. Ukraina no. 8:30-31 Mr '63.

WOMEN

(see also subdivision under Africa; Chuuk National Area; Cuba; Samarkand; White Russia)

Concern for women. L. Artem'eva. Sots. obsap. 24 no. 3:14-18 Mr '63.

Do you remember? Zhen. mira no. 12:4-7 '62.

Friends. Zhen. mira no. 12:18-20 '62.

Soviet women. V. I. Danilova. Nach. shkola 31 no. 2:30-31 F '63.

WOMEN—CONGRESSES

On the eve of the World Congress of Women. Zhen. mira no. 12:8 '62.

WOMEN—EMPLOYMENT

(see also subdivision under Achair; Great Britain; Moscow; United States; Uzbekistan)

"Astronaut's brigade leader." V. Sakk. Smera 39 no. 11:12-13 Je '62.

Be more active in preparation for the conference of working women. Elena Teodorescu. Vsem. prof. dvizh. no. 4:25-27 Ap '63.

Great concern. A. Novikova. Okhr. truda i sots. strakh. 6 no. 3:1-3 Mr '63.

Let us carry out the seven-year plan ahead of schedule! Rab. i slal. 39 no. 3:1 Mr '63.

Problem of the utmost importance. Alena Lazarenko. Rab. i slal. 39 no. 3:2-3 Mr '63.

Professions of Soviet women. Liudmyla Shendryk. Ukraina no. 5:6-7 Mr '63.

Soviet women are tireless builders of communism. Mashinostroitel' no. 3:1 Mr '63.

Women are beacons of socialist competition. A. Lishtina. Avt. transp. 41 no. 3:58-59 Mr '63.

WOMEN—HEALTH AND HYGIENE

Results of prophylactic examinations of women between 1954 and 1957. V. A. Dobronravov, S. A. Dentsenko. Shor. nauch.-prak. rab. Poliklin. im. F. E. Dzerzh. no. 2: 223-231 '61.

WOMEN—RIGHTS OF WOMEN

(see also subdivision under Daghestan; Uzbekistan)

Marxism-Leninism on the political and economic equality of women and men. V. M. Tkachenko. Veatsi AN BSSR. Ser. hram. nav. no. 1:5-14 '63.

They are entitled to this happiness. Evgenia Kiranova. Zhen. mira no. 3:15, 25 '63.

WOMEN—SOCIETIES, ETC.

see subdivision under Cuba

WOMEN—SOCIETIES AND CLUBS

see subdivision under Zhitkovichi District

WOMEN AND PEACE

(see also subdivision under United States)

Letters from our readers. E. Grune and others. Zhen. mira no. 1:5 '63.

Women struggle for peace. Ukraina no. 5:2 Mr '63.

WOMEN AS PHYSICIANS

(see also subdivision under Mogilev)

A grandmother of 3,000 grandchildren. I. Semenov, I. Mahal'nyk. Ukraina no. 5:22-23 Mr '63.

WOMEN IN AERONAUTICS

Poetry of her work. P. Mikhalevich. Grazhd. av. 20 no. 3:2 Mr '63.

A word to you, women! V. Shipov. Grazhd. av. 20 no. 3:3 Mr '63.

WOMEN IN AGRICULTURE

(see also subdivision under Pukhovichi District)

I am a collective farm woman. Hanna Lapatsina. Rab. i slal. 39 no. 4:5 Ap '63.

WOMEN IN ART

Late Helladic clay female statuettes. K. A. Kachuris. Sov. arkheol. 7 no. 2:139-150 '63.

WOMEN IN CONSTRUCTION

A great force. Transp. stroi. 13 no. 3:1-3 Mr '63.

Women of the Moscow Subway Construction Administration. T. V. Fedorova. Transp. stroi. 13 no. 3:3-4 Mr '63.

WOMEN IN PUBLIC LIFE

(see also subdivision under Chirchik Province; Gorky District; Stavropol; Vilobsk)

I am very grateful to this woman. M. Rahachova. Rab. i slal. 39 no. 2:11 F '63.

News from everywhere. Zhen. mira no. 3:4-5 '63.

To live in freedom is the desire of all peoples. Layla. Zhen. mira no. 3:18-20 '63.

WOMEN'S PERIODICALS

We are from the magazine "Rabotnitsa." Elena Kononenko. Sov. pech. no. 3:16-19 Mr '63.

WOMEN'S PERIODICALS, NORWEGIAN

The women's press. I. Fossen. Zhen. mira no. 12:8 '62.

WOOD

Economy of wood in the production and use of wooden containers. F. I. A. Koviazin. Nauch. zap. VLTi 28:71-78 '62.

WOOD—CHEMISTRY

[Chemical technology of wood] Khimicheskaya tekhnologiya drevesiny. [By] Slavianski, A. K. i dr. Moskva, Goslesbumizdat, 1962, 574 p.

Wood starch from pine shoots. A. V. Peskova. Shor. trud. TSNIKHI no. 14:106-115 '61.

WOOD—PRESERVATION

Device for coating boards with an antiseptic solution. M. F. Kadil'nikov. Transp. stroi. 13 no. 4:65-66 Ap '63.

Preservation of wood. A. F. Popov. Shkola i proizv. 7 no. 2:61-65 F '63.

"Protecting newly felled timber of species with low biological resistance to rot" by I. I. Gordenko. Reviewed by G. A. Goncharenko. Les. khoz. 16 no. 1:70 Ja '63.

WOOD—TESTING

Comparative resistance of pine sapwood and heartwood to the scaly house fungus *Coniophora cerebella* Sch. O. V. Rabchevskaya. Trudy Ural. lesotekh. inst. no. 17: 38-39 '60.

Determining the rheological indices of wood. B. N. Ugolev. Der. prom. 12 no. 2:17-19 F '63.

WOOD—THERMAL PROPERTIES

Effect of high temperature on the mechanical properties of wood. B. V. Kholomeev. Trudy Ural. lesotekh. inst. no. 17:39-42 '60.

WOOD, COMPRESSED

Instead of metal. NTO 5 no. 3:62 and 3 of cover Mr '63.

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii bumazhnoi i derevoobrabatываushchey promyshlennosti. [Producing wood fiberboards] Proizvodstvo drevessno-voloknistykh plit; sbornik statei. Moskva, 1962. (Bumaga i tselluloza) [MICROFILM]

Ukraine. Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot. [Uses of wood laminates compressed wood and textile chips in machinery manufacture] Primenenie drevessnykh sloistnykh plastikov, pressovannoi drevessiny i tekstil'noi kroshki v mashinostroenii. Kiev, In-t tekhn. informatsii, 1962. 61 p. [MICROFILM]

WOOD CARVING

Sculptures on the trunks of trees. N. Kutsuk. Ukraina no. 6:32 Mr '63.

WOOD-DECAYING FUNGI

Comparative resistance of pine sapwood and heartwood to the scaly house fungus *Coniophora cerebella* Sch. O. V. Rabchevskaya. Trudy Ural. lesotekh. inst. no. 17: 36-39 '60.

WOOD DISTILLATION

Korolev, V. I. [Thermal decomposition of wood] Termicheskoe razlozhenie drevessiny. Izd. 2. perer. i dop. Moskva, Goslesbumizdat, 1962. 203 p. Technical and economic evaluation of the optimum depth of wood predrying for charring in buggy retort furnaces with periodical action. D. I. El'kin. Sbor. trud. TSNILKHI no. 14:8-16 '61.

Technology of the processing of gray calcium acetate. L. A. Aferova, V. I. Katurina. Sbor. trud. TSNILKHI no. 14:17-25 '61.

Thermal stability of wood tar oils extracted from the tar of softwood species. V. P. Sumarokov, E. V. Klin'skikh. Sbor. trud. TSNILKHI no. 14:53-59 '61.

WOOD FINISHING

Conference on the technology of finishing furniture framework. Der. prom. 12 no. 2:26-29 F '63.

Finishing furniture panels with plastics without using glue. Der. prom. 12 no. 2:3-3 of cover F '63.

Practices in finishing boards made from wood chips by using polymethyl methacrylate coatings under industrial conditions. G. P. Plotnikova, R. A. Mirkovich, K. N. Andriunina. Der. prom. 12 no. 2:24-25 F '63.

Using "tyrsolit" in the production of furniture. G. A. Ivanov. Der. prom. 12 no. 2:21-22 F '63.

Varnishing bent chairs in a high-frequency electric field. M. I. Morkulov, R. I. Gorbunova. Der. prom. 12 no. 2: 22-24 F '63.

WOOD PRESERVATIVES

Make more extensive field investigations of antiseptics for wood. S. N. Gorshin. Der. prom. 12 no. 2:20 F '63.

WOOD TAR

Dry distillation soluble wood tar as source of phenol raw materials. T. I. Fedorishchev. Sbor. trud. TSNILKHI no. 14:39-45 '61.

Extraction of pyrocatechol from settled gas producer wood tar by means of its washing and obtaining of tar oils and phenols from the washed tar. L. V. Gordon and others. Sbor. trud. TSNILKHI no. 14:29-31 '61.

Herbicidal activity of some preparations derived from wood tar. B. R. Eldus, N. M. Ponomarenko. Trudy Kras. SKHI 3 no. 1:273-276 '60.

Rapid method for determining moisture in tar. E. I. Eydokimov, M. I. Kukushkin. Trudy Ural. lesotekh. inst. no. 17:66-68 '60.

Using phenolic acids of wood tar pitch as raw material for obtaining viscosity reducers. D. V. Tshchenko, A. N. Kisiltay, O. S. Zagarmistr. Sbor. trud. TSNILKHI no. 14:46-52 '61.

WOOD-USING INDUSTRIES

Bokshchanin, Yu. R. [Ways of expanding the processing and use of larch wood] Puti rasshireniya pererabotki i potrebleniya listvennitsy. Sverdlovsk, Sverdlovskoe obl. upr. nauchno-tekhn. ob-va bumazhnoi i derevoobrabatываushchey promyshl., 1962. 107 p. [MICROFILM]

From the pages of technical and economic bulletins of the economic councils. Der. prom. 12 no. 2; insert F '63.

Khaskin, Kh. M. [Technical and economic justification in the construction of enterprises of the forest and wood-using industries] Tekhniko-ekonomicheskoe obosnovanie stroitel'stva predpriyatiy lesnoi fabrichno-zavodskoi promyshlennosti. Moskva, Goslesbumizdat, 1962. 98 p.

WOOD-USING INDUSTRIES—BIBLIOGRAPHY see Bibliography—Wood-Using Industries

WOOD-USING INDUSTRIES—BY-PRODUCTS see subdivision under Makeyevka

WOOD-USING INDUSTRIES—ECONOMIC ASPECTS

Increasing the effectiveness of capital investments. K. M. Arslanov. Der. prom. 12 no. 2:1-4 F '63.

WOOD WASTE

Ianson, A. L., and V. F. Kachan. [Utilization of small wood waste from woodworking enterprises by means of gluing] Ispol'zovanie kuskovykh otkhodov derevoobrabatываushchikh predpriyatiy putem sklevanila. Moskva, Goslesbumizdat, 1962. 161 p.

Investigating some problems in hydraulic conveying of chips in horizontal steel pressure pipes. L. I. Kachelkin, V. V. Korobov. Trudy TSNIME no. 37:20-54 '62.

New system for processing sawing waste into technological chips. I. A. Otlev. Der. prom. 12 no. 2:5-6 F '63.

Packing cardboard from lumbering waste. L. I. Kachelkin and others. Trudy TSNIME no. 37:23-28 '62.

Studying the process of sorting chips from lumbering waste. L. I. Kachelkin, N. P. Rushnov. Trudy TSNIME no. 37:3-11 '62.

Testing the RMO-1600 wood chopping machine. N. P. Rushnov. Trudy TSNIME no. 37:13-22 '62.

WOODPULP INDUSTRY see subdivision under Krasnokamsk

WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

[Technology and equipment of the papermaking and printing industry] Ref. zhur.: Tekh. i obor. bumagodel. i poligr. proizv. no. 5 My '63.

WOODWORK

Morozov, N. A., and K. K. Arsen'ev. [Manufacture of bent and glued blocks for furniture parts] Izgotovlenie gnutokleennykh blokov dlia detalей mebeli. Moskva, Tsentr. in-t tekhn. informatsii i ekon. issl. po lesnoi, bumazhnoi i derevoobrabatываushchey promyshl., 1962. 34 p. [MICROFILM]

WOODWORK—STUDY AND TEACHING

Fret saw work in manual training lessons. B. T. Rihov, V. I. Emel'yanov. Shkola i proizv. 7 no. 2:44-45 F '63.

WOODWORKING INDUSTRIES see subdivision under Shar'ya District

WOODWORKING MACHINERY

Afanas'ev, P. S., and A. F. Ianishevskii. [Setting up woodworking machinery] Naladka derevoobrabatываushchikh stankov. Izd. 2., perer. i dop. Moskva, Proftekhizdat, 1962. 439 p.

Four-spindle horizontal drilling machine. B. F. Tokarchuk. Der. prom. 12 no. 2:26-27 F '63.

Modernization of some groups of woodworking machines [translated from the Czech]. Mojmir Stejskal. Der. prom. 12 no. 2:31-32 F '63.

WOODWORKING MACHINERY—SAFETY MEASURES

Investigating the operational methods of chain choppers in order to improve safety regulations. E. P. Knylov. Trudy Ural. lesotekh. inst. no. 17:4-5 '60.

WOODWORKING MACHINERY—STANDARDS

Cutters for wood machining. A. F. Ianishevskii. Standartizatsiya 27 no. 2:47 F '63.

WOODY PLANTS see subdivision under Bashkiria; Karaganda; Karaganda region

WOODY PLANTS—DISEASES AND PESTS see subdivision under Ukraine

WOODY PLANTS—FERTILIZERS AND MANURES see subdivision under Dzhuzkazgan

WOOL—DYEING

The "SMP-1" make layer-forming machine. O. P. Sushkov. Leb. prom. no. 1:5-9 Ja-Mr '63.

WOOL—GRADING

Advanced method of wool sorting. V. D. Shorm, V. A. Lysin, N. I. Larina. Tekst. prom. no. 2:4-6 F '63.

WOOL—TESTING see subdivision under Mongolia

WOOLEN AND WORSTED MANUFACTURE

Experience in the use of synthetic fibers in woolen pile fabrics. V. B. Korsakova. Tekst. prom. 23 no. 3:10-22 Mr '63.

Procurement and primary processing of wool rags and wastes. Tekst. prom. no. 2:18-21 F '63.

Use of Iavsan in the manufacture of woolen fabrics. D. O. Ivanishchenko, N. D. Vasil'Issova. Leb. prom. no. 1:41-42 Ja-Mr '63.

Using prototypes as base for the development of flow sheets for the manufacture of woolen fabrics mixed with lavsan and nitron. V. P. Shmulevich. Izv. vyz. uchob. zav.; tekhn. tekst. prom. no. 1:80-87 '63.

Utilization of reclaimed wool in the manufacture of woolen cloth. B. V. Levortova. Tekst. prom. no. 2: 21-23 F '63.

WOOLEN AND WORSTED MANUFACTURE—STANDARDS

Norms for weight and density deviations in manufactured woolen fabrics. V. P. Budanova, A. I. Danilina, S. A. Karzheva. Standartizatsiya 27 no. 2:48-50 F '63.

WORDS, NEW—ENGLISH

Lexicon supplementation of the British and American versions of English. N. M. Bulavin, Uch. zap. kaf. 23; Inostr. jazy. IMO no. 3:104-141 '60.

WORK

All-round development of the employees of industrial plants. N. Kristostur'ian. Kommunist 40 no. 7:51-5 My '63.

Basic differences between intellectual and manual labor in capitalist countries. S. N. Solemina. Uch. zap. kaf. dial. i ist. mat. no. 3:86-101 '63.

Chief educator. V. Ermilov. Smena 39 no. 13:1 S '63.

Communism will be created by work. I. Aleksandrov. Mol. komm. no. 7:45-55 Jl '62.

Inculcating group habits and convictions in students. L. I. Russo. Sov. pedagog. 27 no. 4:45-54 Ap '63.

Raud, V. M. [Transforming the socialist organization of work into a communist one] O prevraschenii sotlialisticheskoi organizatsii obshchestvennogo truda v kommunisticheskuiu. Leningrad, Ob-vo po rasprostraneniю polit. i nauchnykh znaniy RSFSR, 1962. 51 p.

Work is the most important factor in the all-round development of the individual [with summary in English, p. 185]. V. A. Sukhomlinskii. Vop. filosof. 17 no. 4:54-63 '63.

WORK CLOTHES

Technological information. D. Kobylanskii and others. Okhr. truda i sots. strakh. 6 no. 3:33-37 Mr '63.

WORK MEASUREMENT

Establishing work norms for students. D. M. Tarvopol'skii. Shkola i proizv. 7 no. 2:39-41 F '63.

WORKINGMEN'S CLUBS see subdivision under Moscow

WORKS COUNCILS

Factory and Plant Local Committee on pensions. I. Kolmogorov. Okhr. truda i sots. strakh. no. 4:31 Ap '63.

Legal problems in the work of production conferences. IE. Monastyr'skii. Rad. pravo no. 2:94-98 Mr-Apr '63.

WORKSHOPS

Students build a workshop. I. Isa'kov. Shkola i proizv. 7 no. 2:45 F '63.

WORLD COUNCIL OF CHURCHES

Meeting of the Executive Committee of the World Council of Churches. Zhur. Mosk. Patri. no. 3:9 Mr '63.

WORLD FEDERATION OF TRADE UNIONS

For solidarity with the Spanish people. Vsem. prof. dvizh. no. 4:9-10 Ap '63.

Our common cause. Renato Billon. Nov. vrem. 20 no. 10:20-22 My '63.

WORLD HISTORY

"Democracy's manifesto" [in English] by William O. Douglas. Reviewed by I. Lapitskii. Mir. ekon. i mezhdunar. otn. no. 2:139-142 '63.

WORLD POLITICS

Brief news. Mir. ekon. i mezhdunar. otn. no. 2:113-115 '63.

Brief news on international events. Nov. vrem. 20 no. 10:32 My '63.

The crisis of colonial policies [with English summary in insert, p. 2-3]. V. I. Ushakov. Az. i Afr. seg. no. 4: 18-21 Ap '63.

Current problems of world politics. V. I. Matveev, Vadim Nekrasov, Evgenii Primakov. Mir. ekon. i mezhdunar. otn. no. 4:57-74 '63.

"Democracy's manifesto" [in English] by William O. Douglas. Reviewed by I. Lapitskii. Mir. ekon. i mezhdunar. otn. no. 2:139-142 '63.

Growing power of the world socialist system and social progress. N. Inozemtsev. Kommunist 40 no. 6:62-72 Ap '63.

Henri, Ernest. [Does neofascism have a future?] Est' li budushcheye neofashizma? Moskva, Izd-vo In-ta mezhdunarodnykh otnoshenii, 1962. 175 p.

Historical role of the laboring classes. V. Kortunov. Agitator no. 14:10-12 Jl '62.

International commentary. V. Levin and others. Mezhdunar. zhizn' 10 no. 5:110-122 My '63.

International notes. Nov. vrem. 20 no. 10:24-25 My '63.

International review. V. Silant'ev. Agitator no. 6:48-48 My '63.

WORLD POLITICS (Continued)

Khrushchev, N. S. [Speech at the Sixth Congress of the Socialist Unity Party of Germany, January 16, 1963] Vystuplenie na VI s'ezde Sotsialisticheskoi edinoi partii Germanii, 16 yanvara 1963 goda, Moskva, Gospolitizdat, 1963. 47 p.

Peace in the world. Zhen, mira no. 1:4 '63.

Socialism and the national liberation movement. G. Starushenko. Mir, ekon. i mezhdunar. otn. no. 2: 155-157 '63.

To live in freedom is the desire of all peoples. Layla, Zhen, mira no. 3:16-20 '63.

Victorious march of Leninism. Komm. Ukr. 38 no. 3: 62-70 Mr '63.

"The voice of my heart" by Yuri Mol'nychuk. Reviewed by Mykola Raviuk. Ukraina no. 5:23 Mr '63.

WORLD WAR, 1939-1945

(see also subdivision under Ashkhabad; Bobruysk District; Crimea; Czechoslovakia; Feodosiya; France; Germany; Korea; Kuybyshev Province; Lepel District; Russia, Northern; Ukraine; United States)

Butsko, N. A. [The Communist Party as the organizer of nation-wide assistance to Soviet Ukraine in the reconstruction of its economy during the years of the Great Patriotic War] Kommunisticheskaya partiya - organizator vsenarodnoi pomoshchi Sovetskoi Ukraine v vosstanovlenii narodnogo khozaystva v gody Velikoi Otechestvennoi volny. [Kiev] Izd-vo Kievskogo univ., 1962. 177 p.

[Documents and materials relating to the history of international proletarian solidarity] Iz istorii mezhdunarodnoi proletarskoi solidarnosti; dokumenty i materialy. Glav. red. G. A. Belov i dr. Moskva, Sovetskaya Rossiya.

Vol. 6. [International solidarity of workers in the struggle for peace and national liberation against fascist aggression, for the complete annihilation of fascism in Europe and Asia, 1938-1946] Mezhdunarodnaya solidarnost' trudnyashchikhsia v borbu za mir i natsional'noe osvobodzhenie protiv fashistskoi agressii, za polnoe unichtozhenie fashizma v Evrope i Azii, 1938-1946. Moskva, Sovetskaya Rossiya, 1962. 708 p.

The party during the Great Patriotic War, June 1941-1945; methodological advice for propagandists. Komm. Ukr. 38 no. 4:84-90 Ap '63.

Pathfinders of war. S. Smirnov. Kul't.-prom. rab. 24 no. 2:10-11 F '63.

Proektör, D. M. [The war in Europe in 1939-1941] Voina v Evrope, 1939-1941 gg. Moskva, Voenizdat, 1963. 435 p.

WORLD WAR, 1939-1945—AERIAL OPERATIONS

Andreev, S. P. [Wing to wing; recollections of a military pilot, commander of a guards bomber division] Krylom k krylu; vospominaniya voennogo letchika, komandira gvardейskoi bombardirovochnoi aviatseionnoi divizii. Moskva, Izd-vo "Znanie", 1962. 93 p. (Prochiti, tovarishchi!)

Bridge, N. Baranov. Kryl. rod. 14 no. 3:8-9 Mr '63.

A hunter's son. V. Vyshnevskiy. Ukraina no. 7: 14 Ap '63.

Members of elite units. N. Ivanov. Kryl. rod. 14 no. 2: 5 F '63.

On the regimental rolls forever. B. Monastyrskii. Kryl. rod. 14 no. 2:6 F '63.

WORLD WAR, 1939-1945—BIBLIOGRAPHY see Bibliography—World War, 1939-1945

WORLD WAR, 1939-1945—BIOGRAPHY

[For our motherland, freedom, and honor; sketches on Heroes of the Soviet Union, natives of Gorkiy] Za otchiznu, svobodu i chest'; ocherki o gorodskikh Sovetskogo Soюза - gor'kovskanakh. [Gor'ki] Gor'kovskoe knizhnoe izd-vo, 1961. 1 v.

(CSI-II) Kazakova, A. S. [The motherland is proud of them; deeds of Uzbek Heroes of the Soviet Union] Imi gorditsia Rodina; podvigi Героев Советского Союза - uzbekistansev. Tashkent Gos. izd-vo Uzbekskoi SSR, 1961. 178 p.

(CSI-II)

WORLD WAR, 1939-1945—CAMPAIGNS

Great victory. V. Lavrinchenko. Kryl. rod. 14 no. 2:3 F '63.

Rodimtsay, A. I. [These are your sons, O motherland! A notebook of the war years] Tvoi, Rodina, synov'ia! Zapisi voennykh let. Kiev, Gos. izd-vo polit. lit-ry USSR, 1962. 273 p.

(CSI-II)

WORLD WAR, 1939-1945—CHILDREN

She met her daughter. Z. Hryhko. Rab. i stal. 30 no. 2: 10 F '63.

WORLD WAR, 1939-1945—DIPLOMATIC HISTORY

"History of the international relations and foreign policy of the U.S.S.R." Vol. 2. 1939-1945. Reviewed by V. Popov. Mezhdunar. zhizn' 10 no. 5:135-137 My '63.

Legal aspects of the "executive agreement" between the President of the U.S.A. and England on "the exchange of destroyers for naval bases." M. I. Lazarev. Uch. zap. IMO no. 10:140-158 '62.

WORLD WAR, 1939-1945—NAVAL OPERATIONS—SUBMARINE

War with German submarines in the wide blockade zone of the Northern and Norwegian seas. E. N. Lebedev. Mor. sbor. 46 no. 5:28-34 My '63.

WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Legend of a Communist Youth League card. O. Kozopolianskii. Smena 38 no. 18:25-27 S '62.

Story of a photograph. D. Emilitin. Sov. knizh. torg. 14 no. 4:23-25 Ap '63.

WORLD WAR, 1939-1945—PRISONERS AND PRISONS

The "Hindenburg" sinks. Mikhail Iskrin. Smena 38 no. 12:18-20 Je '62.

WORLD WAR, 1939-1945—PRISONERS AND PRISONS, GERMEN

Friends are searching for their hero. IU. Kotler. Za rul. 20 no. 5:8 My '62.

WORLD WAR, 1939-1945—REGIMENTAL HISTORIES

Solomatin, M. D. [Krasnograd Corps] Krasnogradskiy. Moskva, Voenizdat, 1963. 187 p.

WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

"In partisan regions and zones; patriotic deeds of the Soviet peasantry in the enemy's rear, 1941-1944" by A. I. Zaleskii. Reviewed by R. Kriuchok. Vestnik AN BSSR. Ser. hram. nav. no. 1:134-137 '63.

Manuscripts sent with a balloon. Nikolai Voronov. Ogonek 41 no. 15:9-10 Ap '63.

WORMS, INTESTINAL AND PARASITIC see subdivision under Belovezhskaya Pushcha; Kamchatka

WORMWOOD

Recent data on the range of the wormwood Artemisia taurica Wild. F. I. A. Levina. Bot. zhur. 48 no. 3:422-428 Mr '63.

WRAPPING MACHINES

Use of the automatic KZAM-100 caramel-wrapping machine for wrapping soft candy. D. S. Polinovskiy. Khar. prom. no. 1:61-62 Ja-Mr '63.

WRECKING

Dismantling ships for scrap metal. N. A. Ivanov. Sudostroenie 20 no. 4:48-50 Ap '63.

WRENCHES

Pipe wrench with an automatic catch. I. V. Favin. Bezop. truda v prom. 8 no. 8:35 Ap '62.

WRENS see subdivision under Leningrad Province

WRESTLING

Aleksandr Mladzvedz', our champion of the world. M. Vasil'ev. Belarus' 20 no. 4:21 Ap '63.

Athletic team. Vladimir Pashinin. Smena 38 no. 16: 30-31 Ag '62.

Complex method of studying the movements of a wrestler. A. A. Novikov, V. L. Fedorov, G. G. Ratishvili. Teor. i prak. fiz. kul't. 28 no. 4:27-28 Ap '63.

WRIST—DISEASES

Acute infection of the lymphatic tracts in the wrist. G. V. Roslovskii. Zdrav. Turk. 7 no. 2:38-40 F '63.

WUSTITE—DECAY

Kinetics of wustite decay. O. K. Shabalina, G. I. Chufarov. Dokl. AN SSSR 148 no. 4:890-892 F '63.

X-RAY CRYSTALLOGRAPHY

Alteration of layers in composite lamellar structures of vermiculite - biotite. IU. S. D'inkinonov. Kristallografiya 7 no. 6:878-881 N-D '62.

Change in the structure of amorphous quartz following its annealing in hydrogen. I. E. Balygin. Kristallografiya 7 no. 6:922-925 N-D '62.

Röntgenographic study of asbestos. G. A. Sidorenko. Min. syr'e no. 5:110-121 '62.

Size of spots on X-ray photographs of single crystals and their relation to the size and disorientation of blocks and the spread of values of lattice periods. IU. A. Bagarinakii. Kristallografiya 7 no. 6:886-894 N-D '62.

X-ray study of single crystal easy cleavage planes. V. M. Kosevich. Fiz. met. i metalloved. 15 no. 3: 321-326 Mr '63.

X-RAY DIFFRACTION EXAMINATION

Orientation of graphite generated in a diamond following its allotropic transformation by heating. V. M. Titova, S. I. Fatergendler. Kristallografiya 7 no. 6:926-929 N-D '62.

Results of an X-ray diffraction study of cerolites. IU. S. D'inkinonov. Dokl. AN SSSR 148 no. 4:908-911 F '63.

X-ray diffraction study of radial distributions in amorphous solid solutions in the system sulfur - P₄S₁₀. A. I. Sokolov, G. S. Zhdanov. Kristallografiya 7 no. 8: 892-898 N-D '62.

X-ray diffraction study of some compounds of the type A₃B₂ with stoichiometric deviations. G. V. Ozolin'sh and others. Kristallografiya 7 no. 6:950-953 N-D '62.

X-ray diffraction study to determine the thickness of amorphous coatings on crystalline backings. K. P. Mamedov, K. M. Mekhitev. Trudy Inst. fiz. AN Azerb. SSR 11:25-30 '63.

X-RAY SPECTROSCOPY

Shape and width of X-ray K_{α1,2} lines of manganese in MnTe in the temperature region of antiferromagnetic transformations. R. M. Ovrutskaya, B. I. Kotliar, E. E. Vainshtein. Fiz. met. i metalloved. 15 no. 2:303-304 F '63.

X RAYS

Determination of the thickness and effectiveness of the yield zone of true secondary electrons by studying the energy band structure of X-ray photoemission. V. N. Shechmelev, M. A. Rumash, E. P. Denisov. Fiz. tver. tela 5 no. 4:1132-1137 Ap '63.

Portable apparatus with pulse transformers for producing short X-ray flashes. K. F. Zelenkii, I. A. Troshkin, V. A. Tsukerman. Prikl. tekhn. eksp. 6 no. 2:140-144 Mr-Apr '63.

X RAYS—PHYSIOLOGICAL EFFECT

Electrophoretic and immunochemical analysis of the blood serum of mice irradiated with a lethal dose of X rays [with summary in English]. K. P. Kashkin, P. N. Grabar, J. Courcon. Biokhimiya 28 no. 1:89-100 Ja-F '63.

Homo- and autoplasty in burns of irradiated animals. A. Kh. Khabdarov and others. Med. zhur. Uzb. no. 8: 55-57 Ag '62.

X RAYS—SCATTERING

Diffusion scattering of X-rays and the actual structure of solid solutions in equilibrium. E. N. Vlasova, V. I. Iveronova. Fiz. met. i metalloved. 15 no. 2:254-259 F '63.

XANTHIC ACID

Diesters of xanthic acids as antiwear additives to lubricating oils. A. I. Grigor'ev. Khim. i tekhn. topl. i masel. 8 no. 3:29-32 Mr '63.

XEROGRAPHY

Devices for electrically photographing criminological objects. IU. L. Kiranov. Trudy NIIPoligafmash no. 15: 82-98 '61.

XYLENE

Oxidation of xylenes by a potassium permanganate solution. D. Rakhimov, G. Khodzhaev. Uzb. khim. zhur. 7 no. 1:70-75 '63.

XYLOLITH

Xyloolith coatings of wooden decks of fishing boats. P. Amaratil. Ryb. khoz. 39 no. 4:40-41 '63.

YAKUTIA—BIRDS

Birds of northeastern Yakutia (to be continued). S. M. Uspenskii and others. Ornitologiya no. 4:64-86 '62.

YAKUTIA—KIMBERLITE

Dispersion halo of the disintegration products of kimberlite bodies. V. A. Litinskii. Trudy NIIGA 132:103-124 '62.

Using the metallometric survey method and Kapp line measurement in prospecting for kimberlite bodies. V. A. Litinskii. Sov. geol. 6 no. 2:58-71 F '63.

YAKUTIA—LOCUSTS—EXTERMINATION

Harmful locusts in Yakutia. R. I. Karelin. Zashch. rast. ot vred. i bol. 6 no. 11:28 N '61.

YAKUTIA—PIPELINES—COMMUNICATION SYSTEMS

The communication line along the Taas-Tumus - Yakutsk - Pokrovsk Gas Pipeline. G. A. Shebman. Stroitel. truboprov. 6 no. 4:5-7 Ap '63.

YAKUTIA—PROSPECTING

Using the metallometric survey method and Kapp line measurement in prospecting for kimberlite bodies. V. A. Litinskii. Sov. geol. 6 no. 2:58-71 F '63.

YAKUTIA—SPRINGS

Springs of southern Yakutia. V. V. Uzembo. Priroda 62 no. 3:81-82 '63.

YAKUTSK—WATER—DISTRIBUTION

Installation and operation of a water-supply network in Yakutsk. L. V. Beepalova. Sbor. nauch. rab. AKKH no. 12:20-54 '62.

YALTA—RESTAURANTS, LUNCHROOMS, ETC.

In constant search for betterment. A. Fradkin. Obshchestv. pit. no. 1:17-21 Ja '63.

Servicing of rest home guests by the Greater Yalta enterprises. K. Vagladova. Obshchestv. pit. no. 1:11-12 Ja '63.

Today we have a "Vegetarian Diet Day." D. Arkad'ev. Obshchestv. pit. no. 1:12-13 Ja '63.

YANY-KURGAN—PEDDLERS AND PEDDLING

Always on the road. N. Shekhov. Koop. Kazakh. 5 no. 11:9-10 N '62.

YARN

Methods for the manufacture of bulked yarn. Zh. S. Grigorian. Leh. prom. no. 1:57-60 Ja-Mr '63.

Theory of false twisting in the manufacture of elastic (helanca) yarn. G. V. Sokolov. Tekst. prom. 23 no. 3: 34-39 Mr '63.

YARN—TESTING

Changes in the diameter of twist cotton yarn taking place during various tension conditions. G. I. Selivanov, *Izv. vya, ucheb. zav. ; tekhn. tekst. prom.*, no. 1:23-26 '63.

Characteristics of the structure of two-component mixed yarn made of heterogeneous fibers. A. V. Matukonis, *Izv. vya, ucheb. zav. ; tekhn. tekst. prom.*, no. 1:15-22 '63.

Effect of the various methods of silver preparation after carding on the lasting quality of cotton yarn in repeated tension. N. N. Milovikov, *Izv. vya, ucheb. zav. ; tekhn. tekst. prom.*, no. 1:9-14 '63.

YAROSLAVL—ECLIPSES, SOLAR

Observation of the gravity effect of the solar eclipse of February 15, 1961 in Yaroslavl. I. I. Karal'nikova and others. *Izvestiya VAGO* no. 31:15-17 '62.

YAROSLAVL—PEAT MACHINERY

Performance of pneumatic combines during the 1962 season. V. I. Diuzhin, *Torfn. prom.*, 40 no. 2:10-12 '63.

YAROSLAVL—PUBLIC HEALTH

"Public health in Yaroslavl in the past and present" by V. I. Beliaev. Reviewed by B. D. Petrov. *Zdrav. Ros. Feder.*, 6 no. 10:37-38 O '62.

YAROSLAVL—THEATER

Homeland of the Russian theater. O. Borisov, T. Troitskaya, *Ogonek* 41 no. 16:26-27 Ap '63.

YAROSLAVL—TIRES, RUBBER

Practice of Yaroslavl's chemists. V. Epshtein, *NTO* 5 no. 3:45 Mr '63.

YAROSLAVL PROVINCE—STOMATOLOGY

Sixth Provincial Scientific and Practical Conference of Stomatologists in Yaroslavl Province. D. P. Konushko, *Stomatologiya* 41 no. 5:106-107 S-O '62.

YEAST

(see also subdivision under Voronezh)
Antagonism between yeasts. G. G. Agabek'yan, P. F. Ivlev, I. M. Rabinchenko. *Trudy KIPP* no. 22:266-273 '61.

Effect of increasing the amounts of yeast on the keeping quality of butter. G. I. Blok, *Trudy Kras. SKH* 3 no. 1:174-187 '59.

Effect of the factors of space flight in the Vostok-2 spaceship on haploid and diploid yeast organisms [with summary in English]. N. V. Kovtun, A. A. Lukin, G. P. Parfenov. *Probl. kosm. biol.*, 2:149-152 '62.

Film-forming and shattering capacity of some wine yeast strains. P. F. Ivlev, *Trudy KIPP* no. 22:274-280 '61.

Moscow. Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevoi promyshlennosti. [Yeast Industry of the U. S. S. R.] *Drozhzhevala promyshlennost' SSSR*, Moskva, 1962. 80 p.

[MICROFILM]

Studying the process of yeast reproduction as applicable to the conditions of continuous champagne production. A. A. Merzhanian, L. A. Kibko, M. I. Klomer. *Trudy KIPP* no. 22:105-110 '61.

Studying the specific diversity of yeast in sweet-cream butter. G. G. Blok, *Trudy Kras. SKH* 3 no. 1:188-201 '59.

YELETS—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

In our microdistrict... A. Merkulova, *Agitator* no. 8: 28-29 My '63.

YELLOW STAR-OF-BETHLEHEM

Heat and frost resistance of leaf cells of the yellow star-of-Bethlehem at different stages of development. N. I. Fel'dman, I. E. Kamentseva. *Bot. zhur.*, 48 no. 3: 414-418 Mr '63.

YEMEN—DESCRIPTION AND TRAVEL

Ruins of a monarchy. Iurii Bochkarev, *Ukraina* no. 4: 25-26 F '63.

YEMEN—POLITICS AND GOVERNMENT

Meeting on the way to Hodeida. B. Cherkasov, *Smena* 40 no. 9:24-25 My '63.

Ruins of a monarchy. Iurii Bochkarev, *Ukraina* no. 4: 25-26 F '63.

YENISEY GOVERNMENT—COMMUNIST PARTY OF THE SOVIET UNION—MEMBERSHIP

The Lenin summons to join the party; based on materials of the Yenisey Government. I. P. Panov, *Trudy Sib. tekhn. inst.*, no. 30:5-22 '61.

YENISEY GOVERNMENT—INDUSTRIES

Krasnoyarsk. Gosudarstvennyi pedagogicheskii institut. *Kafedra istorii*. [On the study of the Yenisey Government economy at the end of the 19th and the beginning of the 20th century] K izucheniya ekonomiki Eniseiskoi gubernii kontsa XIX-nachala XX vv.; sbornik statei i dokumentov. [Krasnoyarsk] Krasnoyarskoe knizhnoe izd-vo, 1962. 249 p.

YENISEY GOVERNMENT—PEASANTRY

Krasnoyarsk. Gosudarstvennyi pedagogicheskii institut. *Kafedra istorii*. [On the study of the Yenisey Government economy at the end of the 19th and the beginning of the 20th century] K izucheniya ekonomiki Eniseiskoi gubernii kontsa XIX-nachala XX vv.; sbornik statei i dokumentov. [Krasnoyarsk] Krasnoyarskoe knizhnoe izd-vo, 1962. 249 p.

YENISEY GOVERNMENT—REVOLUTION, 1917-1921

Kommunisticheskaya partiya Sovetskogo Soyuza. Krasnoyarskii kraevoi komitet. *Partiinyy arkhiv*. [The fiery years; reminiscences by participants in the Krasnoyarsk Bolshevik underground and the partisan movement in the Yenisey Government during the struggle for the Soviet regime, 1918-1920] Gody ognenye; sbornik vospominanii uchastnikov krasnoyarskogo bol'shevistskogo podpol'ia i partizanskogo dvizheniya Eniseiskoi gubernii v bor'bu za vlast' Sovetov, 1918-1920 gody. [Krasnoyarsk] Krasnoyarskoe knizhnoe izd-vo, 1962. 403 p. (MH)

YENISEY RIVER

Yenisey's past and future. F. Nesteruk. *Rech. transp.*, 22 no. 4:34-35 Ap '63.

YENISEY RIVER—NAVIGATION

On a difficult stretch. A. Pozdnev. *Rech. transp.*, 22 no. 4:7 Ap '63.

YENISEY RIVER—INLAND WATER TRANSPORTATION—EMPLOYEES

Everyday life on the Yenisey River. A. Pozdnev, I. U. Gorbachev. *Rech. transp.*, 22 no. 4:18, 26-27 Ap '63.

YENISEY RIVER—REFRIGERATOR SHIPS

On the refrigerator ship "504." A. Pozdnev. *Rech. transp.*, 22 no. 4:7 Ap '63.

YENISEY VALLEY—ELECTROMAGNETIC PROSPECTING

Using magnetotelluric profiling in studying the Ust' Yenisey depression. D. I. Gvizd', A. N. Platonenkov. *Trudy NIIGA* 132:140-142 '62.

YENISEY VALLEY—FORAGE PLANTS

Silage crops for the northern Yenisey Valley. A. V. Egorov, L. A. Plotnashko. *Trudy Kras. SKH* 3 no. 1: 232-237 '59.

YENISEY VALLEY—FUR TRADE

Role of wealthy Russian merchants in organizing the fur trade in the Yenisey Valley in the 17th century. V. A. Aleksandrov. *Ist. zap.*, no. 71:158-165 '62.

YENISEY VALLEY—GEOLOGY, STRUCTURAL

Subsurface geology of the Ust' Yenisey depression and its margins in the light of new geophysical data. I. U. G. Kiselev. *Trudy NIIGA* 132:61-74 '62.

YENISEY VALLEY—JOURNALISTS

With the journalists of the Yenisey Valley of Siberia. *Sov. pech.*, no. 3:45 Mr '63.

YENISEY VALLEY—MAGNETISM, TERRESTRIAL

Methods for plotting the subsurface structural plans of the Ust' Yenisey region based on aeromagnetic data. N. N. Lastochkina. *Trudy NIIGA* 132:187-191 '62.

YEREVAN see Erivan

YESSEN'YUKI—HEALTH RESORTS, WATERING PLACES, ETC.

Characteristics of the night sleep in patients with diseases of the digestive system during treatment at Yesen'yuki health resort. G. M. Krashenitsa. *Vop. kur., fizioter. i lech. fiz. kul't.*, 28 no. 1:53-60 '63.

YOUNG COMMUNIST LEAGUE see Communist Youth League

YOUTH

(see also subdivision under Armenia; Bulgaria; Estonia; Germany, West; Great Britain; Malagasy Republic; Mongolia; Temir-Tau; Ukraine; United States; White Russia)

About work, quests and dreams... *Smena* 39 no. 12: 1 Je '62.

Aspirations and hopes of Soviet youth. G. F. Akhmedov. *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:54-74 O-N '62.

Attitude of Soviet youth to religion. N. A. Teodorovich. *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:103-108 O-N '62.

Attitude of Soviet youth toward the noncommunist world. Martin Shtiger. *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:82-90 O-N '62.

Brief information at a conference of the Institute. M. D. Santer, *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:144-146 O-N '62.

Chief educator. V. Ermilov, *Smena* 39 no. 18:1 S '62. Let's talk about human beauty. Konstantin Lapin, *Smena* 39 no. 23:4-5 D '62.

National distribution of youth in the U. S. S. R. according to data of Soviet demographic statistics. I. U. P. Mironenko. *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:135-139 O-N '62.

Present-day Soviet youth and the problem of public opinion. S. S. Voronitayn, *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:75-81 O-N '62.

Soviet youth and educational reform. I. N. Shumilin. *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39: 113-117 O-N '62.

Soviet youth and sports. N. E. Men'chukov, *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:97-102 O-N '62.

Soviet youth and the army. N. I. A. Galai. *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:38-53 O-N '62.

Soviet youth as the mainstay of the Soviet regime. A. I. Lebed', *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:3-22 O-N '62.

These are the facts. *Mol. komm.*, no. 7:93-95 Jl '62. "Today there is a dance at the club." E. Vinogradskaya, *Smena* 39 no. 11:25-26 Je '62.

Youth as the object of political education in the U. S. S. R. Bogdan Fedenko. *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:140-143 O-N '62.

Youth holiday. A. Kamshalov. *Agitator* no. 0:12-15 My '63.

YOUTH—CONGRESSES

The festival works for the world. A. Efremov. *Smena* 39 no. 10:24-25 S '62.

Human solidarity. N. Chikhoriya, *Mol. komm.*, no. 7:18 Jl '62.

The most representative youth meeting. V. Shevchenko. *Mol. komm.*, no. 11:45-51 N '62.

Welcome, the city of Holstinki! V. Dubinin. *Mol. komm.*, no. 7:10-11 Jl '62.

YOUTH—EMPLOYMENT

In the Presidium of the All-Union Central Council of Trade Unions. *Okhr. truda i sots. strakh.*, 6 no. 3:44-45 Mr '63.

Legal problems concerning the job placement of young people and teenagers. A. Kovalenko. *Rad. pravo* no. 2: 88-93 Mr-Ap '63.

Place under the sun. Evgenii Pernlak, *Smena* 39 no. 11:4-6 Je '62.

Role of youth in the development of the present-day Soviet economy. F. Gaenko. *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:23-37 O-N '62.

"Your today and tomorrow"; a review of letters to the editor. *Mol. komm.*, no. 7:41-44 Jl '62.

YOUTH IN LITERATURE

Youth in Soviet literature. A. Gaev. *Mat. i soob. Issl. otd. Inst. po izuch. SSSR* no. 38/39:147-154 O-N '62.

YTTRIUM

Determining the amplitude of coherent scattering of thermal neutrons on yttrium metal. I. U. S. Kuz'minov and others. *Kristallografiya* 7 no. 5:948-949 N-D '62.

YTTRIUM FERRATE—MAGNETIC PROPERTIES

Magnetic structure of yttrium ferrate. I. U. S. Kuz'minov, I. I. Iamzin, N. V. Belov. *Kristallografiya* 7 no. 5:946-948 N-D '62.

YTTRIUM OXIDE CRYSTALS

Anisotropy of the resonance line width in yttrium garnet with rare earth impurities. A. G. Gurevich, Mon. Stan' chizhen' [Meng Hei-cheng], S. S. Skrobichina. *Fiz. tver. tela* 5 no. 3:740-749 Mr '63.

YUEH, FEI, 1103-1141—FICTION

Ch'ien Ts'ai. [Legend about Yueh Fei; an historical novel in two volumes. Translated from the Chinese.] *Skazanie o Yue Fei; istoricheskiy roman v dvukh tomakh*. Moskva, Goslitizdat. Vol. 1. 1963. 478 p. (Biblioteka istoricheskogo romana)

YUGOSLAVIA—INDUSTRIES

Meetings in Yugoslavia. V. Kalinin. *Sov. profsoyuzy* 19 no. 7:26-27 Ap '63.

YUGOSLAVIA—RUSSIAN LANGUAGE—AUDIO-VISUAL AIDS

Audio-visual method of studying foreign languages in Yugoslavia. V. P. Gudkov. *Inostr. iaz. v shkole* no. 2: 81 Mr-Ap '63.

YUGOSLAVIA—SHIPBUILDING

Yugoslav-built ships (from "Shipbuilding and Shipping Record," no. 9, 1962). *Sudostroenie* 29 no. 3:64 Mr '63.

YUGOSLAVIA—TRADE UNIONS

Meetings in Yugoslavia. V. Kalinin. *Sov. profsoyuzy* 19 no. 7:26-27 Ap '63.

YUNNAN PROVINCE—TEA

Problem of the place of origin of the tea plant. K. M. Dzhekmukhadze. *Blokhim. chisl. proizv.*, no. 8:64-68 '62.

YURAK LANGUAGE—GRAMMAR

Kupriyanova, Z. N., L. V. Khomich, and A. M. Sheherbakova. [The Nenets language] *Nenetskiy iazyk; uchebnoe posobie dlia pedagogicheskikh uchilishtch. 2. izd.* Leningrad, Gos. uchilno-pedagog. izd-vo M-va prosv. RSFSR, 1961. 286 p. (Ciy)

ZAGLADA, NADEZHDA GRIGOR'EVNA, 1893-

"Life, work, and thoughts" by N. G. Zaglada. Reviewed by D. Priliuk. *Komm. Ukr.*, 38 no. 3:90-92 Mr '63.

ZAGORSK—SCULPTURE

Zagorsk. Gosudarstvennyi istoriko-khudozhestvennyi muzei. [Plastic sculpture of the 13th to the 17th century in the collection of Zagorsk Museum; a catalog] *Proizvedeniya mekoi plastiki XIII-XVII vekov v sobranii Zagorskogo muzeia; katalog*. Zagorsk, 1960. 338 p. (DDO) (MH)

ZAIARNYI, NIKOLAI IVANOVICH, 1897-1962

N. I. Zaiarnyi; obituary. *Mias, ind. SSSR* 33 [i.e. 34] no. 2:63 '63.

ZAKHAROV, VLADIMIR GRIGOR'EVICH, 1901-1956

Livanova, T. N. [Vladimir Grigor'evich Zakharov; a brief sketch of his life and works] Vladimir Grigor'evich Zakharov; kratkiy ocherk zhizni i tvorchestva. Moskva, Sovetskii kompozitor, 1962. 50 p. [V pomoshch' slushateliam narodnykh universitetov kul'tury. Besedy o muzyke]

ZAKHAVA, PAVEL DMITRIYEVICH, 1770-1830

Case of drawing instruments from 1815 made by P. D. Zakhava. M. Malchenko. *Sobh. Gos. Erm.* no. 23:29-30 '62.

ZAMOST'YE (PRIOZERSK DISTRICT)—RETAIL TRADE

People's stores. *Sov. potrebn. koop.* 7 no. 2:16a-16b F '63.

ZANGEZUR RANGE—GEOLOGY, STRATIGRAPHIC

Akopian, V. T. [Stratigraphy of Jurassic and Cretaceous sediments in the southeastern part of the Zangezur Range] Stratigrafiya iurakikh i melovykh otlozhenii yugo-vostochnogo Zangezura. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1962. 287 p.

ZANZIBAR—POLITICS AND GOVERNMENT

The fragrant island; a letter from Zanzibar. *Az. i Afr. seg.* no. 4:33, 45 Ap '63.

ZAPOROZH'YE—FISHERIES

Introduction of business accounting in the brigades of fishing collectives in Zaporozh'ye. I. Mozolenko. *Ryb. khoz.* 39 no. 2:86-92 '63.

ZAPOROZH'YE—STEEL—ELECTROMETALLURGY

Antipenko, G. I., Ia. E. Kaplanskii, and A. D. Grabel'skii. [Pouring electrical steel; from practices of the "Dnepropetsstal'" Plant] Razlivka elektrostali; opyt zavoda "Dnepropetsstal'". Khar'kov, Metallurgizdat, 1962. 36 p.

ZAPOROZH'YE PROVINCE—FARM MECHANIZATION

Every collective farmer should also be a mechanic. G. Abakumov. *Part. zhizn'* no. 9:45-47 My '63.

ZAPOROZH'YE PROVINCE—MOTORCYCLE RACING

Conference after seventh attempt. E. Todorov. *Za rul.* 20 no. 5:23 My '62.

ZAPOROZH'YE PROVINCE—PALYNOLOGY

Palynological study of Maikop sediments in the Bol'shetomskakiy area of Zaporozh'ye Province. G. P. Gopchika. *Dokl. AN SSSR* 149 no. 3:663-665 Mr '63.

ZARDABI, GASAN-BEK, 1837-1907

Gelushav, Z. B. [Philosophy of Gasan-bek Zardabi] Mirovozzrenie G. B. Zardabi. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1962. 401 p.

ZAREBSKI, JULIUSZ, 1854-1885

The St. Petersburg diploma of Juliusz Zarobski. I. Bolza. *Sov. muz.* 27 no. 2:111-113 F '63.

ZAVYALOVA ISLAND—FISHERIES—HYGIENIC ASPECTS

Passed over. V. Ostrovskii, P. Miroshnichenko. *Okhr. truda i sots. strakh.* 6 no. 3:21 Mr '63.

ZEIN

Effect of the number of kernels per cob on zein accumulation in corn. A. N. Pavlov, E. G. Grinfeld. *Bot. zhur.* 48 no. 2:216-218 F '63.

ZELENOVSKIY DISTRICT—AGRICULTURAL ADMINISTRATION

Toward new frontiers. P. Zemlianov. *Part. zhizn'* Kazaki, 33 no. 3:19-23 Mr '63.

ZEOLITES

Kinetics of cumene cracking of 10X zeolite. K. V. Topchieva, B. V. Romanovskii, Khio-Shi Tkhoang [Huo-shih Ch'uang]. *Dokl. AN SSSR* 140 no. 3:644-647 Mr '63.

Water in zeolites. E. V. Rozhkova, K. S. Ershova, N. I. Andrusenko. *Min. syr'e* no. 6:3-28 '62.

ZERAVSHAN RANGE—ICE CAVES

Nuriddin's ice cave. M. A. Abdurazhabov. *Priroda* 52 no. 4:116-116 '63.

ZERAVSHAN RANGE REGION—GEOLOGY

Some characteristics of the recent development of mountain troughs as revealed by the studies in the Zeravshan trough. N. P. Kostenko, A. A. Chistiakov. *Blul. Kom. obshch. per.* no. 27:107-117 '62.

ZERAVSHAN VALLEY—PASSERIFORMES

Vertical migration of passerine birds of the Zeravshan Valley. A. K. Sagitov. *Ornitologiya* no. 4:354-366 '62.

ZEYA-BUREYA PLAIN—TITANUM ORES

Titanium potential of loose Mesozoic and Cenozoic sediments in the Amur-Zeya Depression. S. N. Kalluzhnaia, V. I. Kholina. *Min. syr'e* no. 5:60-60 '62.

ZHABOTIN—SCYTHIAN ANTIQUITIES

Early antiquities of the Scythian animal style. M. I. Viaz'mitina. *Sov. arkheol.* 7 no. 2:158-170 '63.

ZHASHKOV DISTRICT—FARM MECHANIZATION

Machine operator is the boss of a sugar beet plantation. I. Sokolov. *Ekon. sel'khoz.* 34 no. 3:51-54 Mr '63.

ZHASHKOV DISTRICT—SUGAR BEETS

Machine operator is the boss of a sugar beet plantation. I. Sokolov. *Ekon. sel'khoz.* 34 no. 3:51-54 Mr '63.

ZHDANOV—CONSTRUCTION WORKERS

Don't extinguish the light. N. Dunaevskaya. *Mol. komm.* no. 11:32-35 N '62.

ZHDANOV—ROLLING MILLS—DESIGN AND CONSTRUCTION

Construction of a cold-rolling mill. M. Dasthevskii. *Prom. stroi. i inzh. soor.* 5 no. 2:3-7 Mr-Apr '63.

ZHDANOV—ROLLING MILLS—EQUIPMENT AND SUPPLIES

Operation of compartment furnaces at the Azovstal' Plant. V. S. Shklier, M. T. Bul'skii. *Met. i gornorud. prom.* no. 1:72-74 Ja-F '63.

ZHDANOV—SHIPYARDS

Use of epoxy resins at the Zhdanov shipyard. IU. M. Sotnikov. *Blul. tekhn.-ekon. inform. Tekh. upr. Min. mor.* [Izda 7 no. 4:78-85 '62.

ZHEREBOV, LEONID PETROVICH, 1863-1958

The life and work of Professor Leonid Petrovich Zherebov. V. P. Sumarekov. *Sbor. trud. TSNIKHI* no. 14: 3-7 '61.

ZHIGULI MOUNTAINS—NATIONAL PARKS AND RESERVES

It is necessary to restore the preserve in the Zhiguli Mountains. A. M. Krastinskii. *Bot. zhur.* 48 no. 2: 292-296 F '63.

ZHITKOVIKH DISTRICT—WOMEN—SOCIETIES AND CLUBS

Effective work of a women's committee. M. Zhuk. *Rab. i stal.* 30 no. 3:22 Mr '63.

ZHITOMIR—ACCORDION

So that we may hear the sound of the accordion. Fedir Korets'kyi. *Ukraina* no. 4:13 F '63.

ZHITOMIR—THEATER

"Stolen souls," review of a play. S. Losev. *Nauka i rel.* 4 no. 2:91 F '63.

ZHITOMIR PROVINCE—COLLECTIVE FARMS

Scent of bread. Nadezhda Zaglada. *Znamia* 33 no. 2: 132-143 F '63.

ZHITOMIR PROVINCE—CUT GLASS

Beautiful articles from a cut glass factory. K. Kizub. *Ukraina* no. 5:6 Mr '63.

ZHITOMIR PROVINCE—POTATO WART

Cultivation practices as a basic means for eradicating potato wart. N. Trochinskii, G. Korytko. *Zashch. rast. ot vred. i bol.* 6 no. 6:40-50 Ja '61.

ZHLOBIN—HOUSING

I am very grateful to this woman. M. Rezhachova. *Rab. i stal.* 39 no. 2:11 F '63.

ZHODINO—DESCRIPTION

Lenin Street. M. Hrytsen. *Belarus'* 20 no. 4:1-2 Ap '63.

ZHODINO—SOVIETS

Care for the welfare of laboring people is our foremost duty. T. Shevchuk. *Sov. deput. trud.* no. 4:13-15 Ap '63.

ZIMELEV, GEORGIY VLADIMIROVICH, 1903-1962

G. V. Zimelev; obituary. *Za rul.* 21 no. 2:20 F '63.

ZINC

Distribution coefficient of zinc in indium antimonide. E. V. Shudnova, M. S. Mirkalovskaya, R. Annamamedov. *Zhur. neorg. khim.* 8 no. 3:665-668 Mr '63.

Inoculation of cast iron by zinc. A. V. Chernovol, IU. N. Taran. *Lit. proizv.* no. 4:10-20 Ap '63.

ZINC ANTIMONIDES

Properties of the compounds CdSb and ZnSb (reply to V. Frei and B. Velitski). V. E. Khartslav. *Fiz. tver. tela* 5 no. 4:1225-1227 Ap '63.

ZINC INDUSTRY

(see also subdivision under "Almalyk")
Moscow. Tsentral'nyi institut informatsii i tekh. metalurgii. [The lead and zinc industries of capitalist countries] *Zhivotsvo-tainkovaia promyshlennost' kapitalisticheskikh stran.* Moskva, Pt. 1. [Technical and economic survey] *Tekhniko-ekonomicheskii obzor*, 1962. 65 p.

ZINC INDUSTRY—BY-PRODUCTS see subdivision under *Altyn-Topkan***ZINC OXIDE**

Effect of binding agents on the photoconductivity kinetics of zinc oxide. N. N. Markevich, E. K. Putselko. *Fiz. tver. tela* 5 no. 4:1189-1193 Ap '63.

ZINC PHOSPHIDES

Inflammability and stability of zinc phosphide. P. V. Popov. *Zashch. rast. ot vred. i bol.* 6 no. 11:37-38 N '61.

ZINC SULFATE

Preparation by the autoclave method of a solution of zinc sulfate from a concentrate of the Kvaial sulfide ore deposit. G. M. Kuiperman and others. *Trudy Inst. khim. AN Gruz. SSR* 16:9-13 '62.

ZINC SULFIDE—SPECTRA

Determining the spectral composition of the Gudden-Pohl flash in zinc-sulfide luminophors. A. G. Goldsman, A. I. Proskura. *Dokl. AN SSSR* 149 no. 3:567-570 Mr '63.

ZINC TELLURIDE CRYSTALS—SPECTRA

Reflection and luminescence of zinc telluride single crystals. E. F. Gross, L. G. Snelina, A. I. Livehits. *Fiz. tver. tela* 5 no. 3:801-806 Mr '63.

ZIRCONIUM

Effect of the composition of zirconium enamels on their whiteness and water-resistance. G. I. Bellinaev, IU. D. Barinov. *Slek. i ker.* 20 no. 3:20-23 Mr '63.

ZIRCONIUM CARBIDES—ELECTRIC PROPERTIES

Thermal emission properties of uranium and zirconium carbides and their solid solutions. B. S. Kul'varskaya and others. *Radiotekh. i elektron.* 8 no. 4:875-879 Ap '63.

ZIRCONIUM COMPOUNDS

Some compounds of zirconium and areas of their use. P. P. Busnikov, A. M. Cherepanov. *Zhur. VKHO* 8 no. 2:141-148 '63.

ZIRCONIUM COMPOUNDS—SPECTRA

Comparative study of absorption spectra of zirconium complexes and ionic forms of reagents [with summary in English]. A. K. Babko, V. T. Vasilenko. *Zhur. anal. khim.* 18 no. 1:71-78 Ja '63.

ZIRCONIUM-NIOBIUM-TITANIUM ALLOYS see *Niobium-titanium-zirconium alloys***ZNAMENKA—POLITICS AND GOVERNMENT**

Public participation in the work of the soviets. O. Kalendo. *Rad. pravo* no. 2:16-18 Mr-Apr '63.

ZOLOTOREY, VASILII ANDREEVICH, 1873-

Creative feat. K. Dan'kevich. *Sov. muz.* 27 no. 3:31-32 Mr '63.
Our master. A. Bogatyrev. *Sov. muz.* 27 no. 3:32-34 Mr '63.
Those memorable years. M. Vainberg. *Sov. muz.* 27 no. 34 Mr '63.
With love for people. S. Nisnevich. *Sov. muz.* 27 no. 3: 26-31 Mr '63.

ZONE MELTING

Certain characteristics of the electric slag refining of copper. A. A. Syrovatki, G. I. Pogodin-Alekseev. *Avtom. svar.* 16 no. 2:77-78 F '63.

Effect of electric slag refining on the technological plasticity of iron-nickel-chromium base alloys. M. V. Prizantsev, I. G. Sokolov, A. I. Kondrat'ev. *Avtom. svar.* 16 no. 3:7-12 Mr '63.

Electron beam radial heaters for metal melting in vacuum. B. A. Movchan, A. V. Zlotin. *Avtom. svar.* 16 no. 3:1-6 Mr '63.

Medovar, B. I., and others. [Electric slag remelting] *Elektroslakovyi pereplav*. Pod red. B. E. Patona. Moskva, Metallurgizdat, 1963. 109 p.

Properties of commercial titanium and alloys of the OT-4 type prepared by electric slag melting. S. M. Gurevich and others. *Avtom. svar.* 16 no. 4:27-33 Ap '63.

ZOOGEOGRAPHY

Zoogeography at the Third All-Union Ornithological Conference. R. P. Zimina, IU. A. Iankov. *Izv. AN SSSR, Ser. geog.* no. 2:160-162 Mr-Apr '63.

ZOOLOGY

Tsummer, M. Ia. [Zoology] *Zoologiya*, Hannover, Ridna shkola, 1947. 247 p. (OCI)

ZOOLOGY—STUDY AND TEACHING

Lessons on the topic "Coelenterata." L. A. Latskaya. *Blul. v shkole* no. 2:25-28 Mr-Apr '63.

ZOOLOGY—VARIATION

Intraspecific variations in small rodents. T. S. Gladkina, M. N. Meier, T. M. Moiseeva. *Dokl. AN SSSR* 148 no. 4: 982-985 F '63.

ZOOPLANKTON

(see also subdivision under "Antarctic regions; Barents Sea; Donetsk Province; Tsimlyansk Reservoir")
Productivity of zooplankton and temperature; in reply to IU. I. Galkin. M. M. Kamshilov. *Okeanologiya* 3 no. 2: 330-336 '63.

ZOYSIA

New genus and a new species for the flora of the U.S.S.R., *Zoysia japonica* Steudel (fam. Gramineae). Z. G. Valova. *Bot. zhur.* 48 no. 2:270-271 F '63.

ZUBANOV, FEDOR SEMENOVICH

On the trail of a telegram. A. Lazebnikov. *Sov. pech.* no. 4:7-13 Ap '63.

ZUBANOV, VASILII SEMENOVICH

On the trail of a telegram. A. Lazebnikov. *Sov. pech.* no. 4:7-13 Ap '63.